

N O T I C E

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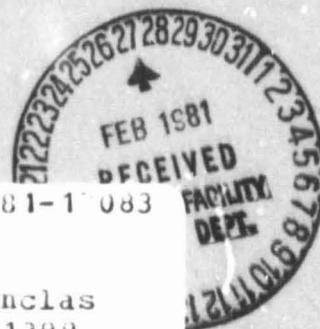


**MODEL AERODYNAMIC TEST RESULTS
FOR TWO VARIABLE CYCLE ENGINE
COANNULAR EXHAUST SYSTEMS
AT SIMULATED TAKEOFF
AND CRUISE CONDITIONS**

**COMPREHENSIVE DATA REPORT
VOLUME II
TABULATED AERODYNAMIC DATA
BOOK 2**

By D.P. Nelson

**Commercial Products Division
Pratt & Whitney Aircraft Group
United Technologies Corporation**



(NASA-CR-159819-Vol-2-Bk-2) MODEL
AERODYNAMIC TEST RESULTS FOR TWO VARIABLE
CYCLE ENGINE COANNULAR EXHAUST SYSTEMS AT
SIMULATED TAKEOFF AND CRUISE CONDITIONS.
COMPREHENSIVE (Pratt and Whitney Aircraft

NO 1-1 083

Unclas

G3/07 41399

**Prepared for
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Lewis Research Center
Under
Contract NAS3-20061**

Run 26

NAVAL-LEWIS PRELIMINARY DATA CADDIS-II FACILITY RFX71 PROGRAM C034 P065 1528 TO 1597
TIME AND DATE PROCESSED 20:15:12 JUN 14 1979

NOZZLE TYPE NEW BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS TAKEOFF
NOZZLE CONFIGURATION C2
PRIMARY-NOZZLE PLUG SPLIT PLUG (EXTENDED)
FLOW SPLITTER ISENTROPIC SPLITTER
FAN NOZZLE SHORT FLAP
FLAMSHIELD POSITION 13 DEG
EJECTOR INLET OPENING MAXIMUM

PGC	MD	PTF/BTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	COF	COP	CF1	ETA1	ETA1,INT	CFP1	CFP2	F9
1529	0.365	1.70	1.81	1.07	0.000	0.455	0.965	1.044	0.9075	0.9075	0.9099	0.9099	0.9110	*****
1520	0.364	1.70	2.11	1.24	0.000	0.475	0.966	1.032	0.9217	0.9217	0.9233	0.9233	0.9260	*****
1520	0.361	1.70	2.51	1.47	0.000	0.402	0.967	1.025	0.9196	0.9196	0.9208	0.9208	0.9247	*****
1531	0.359	1.71	2.77	1.62	0.000	0.360	0.968	0.989	0.9135	0.9135	0.9145	0.9145	0.9176	*****
1532	0.364	1.71	3.12	1.82	0.000	0.320	0.981	0.974	0.9067	0.9067	0.9075	0.9075	0.9102	*****
1533	0.365	1.70	3.60	2.11	0.000	0.279	0.976	0.971	0.9317	0.9317	0.9324	0.9324	0.9346	*****
1534	0.364	1.70	3.99	2.28	0.000	0.255	0.970	0.979	0.9385	0.9385	0.9391	0.9391	0.9411	*****
1535	0.364	1.71	3.94	2.30	0.000	0.257	0.971	0.973	0.9377	0.9377	0.9383	0.9383	0.9403	*****
1536	0.362	1.74	3.70	2.13	0.000	0.272	0.972	0.969	0.9399	0.9399	0.9405	0.9405	0.9427	*****
1537	0.359	1.71	3.12	1.82	0.000	0.319	0.969	0.974	0.9159	0.9159	0.9167	0.9167	0.9194	*****
1538	0.362	1.71	2.76	1.62	0.000	0.361	0.968	0.991	0.9158	0.9158	0.9168	0.9168	0.9198	*****
1530	0.363	1.70	2.51	1.47	0.000	0.431	0.967	1.026	0.9204	0.9204	0.9216	0.9216	0.9247	*****
1540	0.369	1.70	2.12	1.24	0.000	0.475	0.966	1.036	0.9294	0.9294	0.9310	0.9310	0.9337	*****
1541	0.357	1.71	1.83	1.07	0.000	0.550	0.966	1.044	0.9168	0.9168	0.9191	0.9191	0.9203	*****
1542	0.358	1.69	1.81	1.07	0.000	0.555	0.966	1.040	0.9161	0.9161	0.9185	0.9185	0.9197	*****
1543	0.361	1.69	2.11	1.25	0.000	0.475	0.966	1.032	0.9296	0.9296	0.9313	0.9313	0.9340	*****
1544	0.365	1.70	3.19	1.82	0.000	0.320	0.969	0.974	0.9190	0.9190	0.9199	0.9199	0.9226	*****
1545	0.360	1.71	3.61	2.11	0.000	0.278	0.970	0.968	0.9366	0.9366	0.9373	0.9373	0.9395	*****
1546	0.365	1.45	1.82	1.25	0.000	0.553	0.965	1.009	0.9258	0.9258	0.9279	0.9279	0.9312	*****
1547	0.362	1.42	2.09	1.47	0.000	0.491	0.970	1.015	0.9370	0.9370	0.9385	0.9385	0.9424	*****
1548	0.359	1.46	2.50	1.71	0.000	0.399	0.966	0.985	0.9222	0.9222	0.9233	0.9233	0.9267	*****
1549	0.364	1.47	3.12	2.12	0.000	0.320	0.969	0.979	0.9229	0.9229	0.9237	0.9237	0.9263	*****
1550	0.363	1.47	3.11	2.12	0.000	0.320	0.969	0.979	0.9211	0.9211	0.9219	0.9219	0.9245	*****
1551	0.366	1.47	2.76	1.87	0.000	0.359	0.967	0.979	0.9254	0.9254	0.9263	0.9263	0.9294	*****
1552	0.360	1.46	3.62	2.49	0.000	0.278	0.971	0.975	0.9388	0.9388	0.9395	0.9395	0.9416	*****
1553	0.362	1.47	3.91	2.66	0.000	0.260	0.970	0.977	0.9411	0.9411	0.9417	0.9417	0.9437	*****
1554	0.364	1.45	3.93	2.68	0.000	0.259	0.970	0.976	0.9415	0.9415	0.9421	0.9421	0.9441	*****
1555	0.366	1.45	3.62	2.49	0.000	0.275	0.970	0.976	0.9392	0.9392	0.9398	0.9398	0.9420	*****
1556	0.361	1.47	3.12	2.13	0.000	0.319	0.970	0.979	0.9261	0.9261	0.9269	0.9269	0.9295	*****
1557	0.359	1.48	2.77	1.88	0.000	0.359	0.966	0.975	0.9231	0.9231	0.9240	0.9240	0.9271	*****
1558	0.354	1.44	2.11	1.47	0.000	0.477	0.965	1.016	0.9365	0.9365	0.9379	0.9379	0.9418	*****
1559	0.363	1.47	2.50	1.71	0.000	0.399	0.966	0.986	0.9234	0.9234	0.9245	0.9245	0.9280	*****
1560	0.358	1.45	1.82	1.25	0.000	0.553	0.964	1.037	0.9295	0.9295	0.9314	0.9314	0.9347	*****
1561	0.360	1.70	1.92	1.07	0.000	0.547	0.963	1.182	0.9624	0.9624	0.9624	0.9624	0.9638	*****
1562	0.360	1.60	2.11	1.25	0.000	0.477	0.966	1.079	0.9615	0.9615	0.9615	0.9615	0.9644	*****
1563	0.360	1.70	2.51	1.48	0.000	0.399	0.967	1.026	0.9376	0.9376	0.9376	0.9376	0.9408	*****
1564	0.360	1.70	2.75	1.62	0.000	0.359	0.968	0.990	0.9308	0.9308	0.9308	0.9308	0.9339	*****
1565	0.360	1.71	3.10	1.81	0.000	0.319	0.966	0.973	0.9297	0.9297	0.9297	0.9297	0.9324	*****

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BASE-10MIS PRELIMINARY DATA CANNOT BE FACILITY RYAXI
TIME AND DATE PROCESSED 23:19:13 JUN 14 1979

PROGRAM C074 P065 1528 TO 1537

RUN 26 CONT.

NOZZLE TYPE	RAW BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS	TAKEOFF
NOZZLE CONFIGURATION	C3
PRIMARY-NOZZLE PLUG	SPLIT PLUG (EXTENDED)
FLW SPLITTER	IDENTIFIC SPLITTER
CAN NOZZLE	SHORT FLAP
CRENSHAW POSITION	13 DEG
EJECTOR INLET OPENING	MAXIMUM

30G	NO	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	COF	CDP	CF1	ETA1	ETA1.INT	CFP1	CFP2	FW
1565	0.052	1.72	3.60	2.09	0.000	0.277	0.972	0.973	0.9436	0.9436	0.9436	0.9436	0.9436	0.9436
1567	0.054	1.72	4.16	2.47	0.000	0.247	0.972	0.975	0.9453	0.9453	0.9453	0.9453	0.9453	0.9453
1568	0.056	1.74	4.70	2.80	0.000	0.261	0.969	0.973	0.9434	0.9434	0.9434	0.9434	0.9434	0.9434
1569	0.057	1.72	3.59	2.09	0.000	0.278	0.968	0.973	0.9426	0.9426	0.9427	0.9427	0.9427	0.9427
1570	0.067	1.73	3.11	1.82	0.000	0.317	0.968	0.971	0.9281	0.9281	0.9281	0.9281	0.9281	0.9281
1571	0.061	1.71	2.76	1.62	0.000	0.357	0.966	0.969	0.9263	0.9263	0.9264	0.9264	0.9264	0.9264
1572	0.061	1.70	2.91	1.67	0.000	0.398	0.968	1.007	0.9302	0.9302	0.9302	0.9302	0.9302	0.9302
1573	0.023	1.71	2.11	1.24	0.000	0.471	0.965	1.087	0.9516	0.9516	0.9516	0.9516	0.9516	0.9516
1574	0.024	1.71	1.81	1.04	0.000	0.490	0.965	1.233	0.9489	0.9489	0.9489	0.9489	0.9489	0.9489
1575	-0.000	1.70	1.80	1.06	0.000	0.557	0.965	1.257	0.9462	0.9462	0.9462	0.9462	0.9462	0.9462
1576	0.031	1.69	2.09	1.24	0.000	0.478	0.966	1.089	0.9494	0.9494	0.9494	0.9494	0.9494	0.9494
1577	0.027	1.70	2.51	1.48	0.000	0.390	0.967	1.075	0.9287	0.9287	0.9287	0.9287	0.9287	0.9287
1578	0.029	1.68	1.80	1.23	0.000	0.492	0.963	1.088	0.9485	0.9485	0.9485	0.9485	0.9485	0.9485
1579	-0.000	1.43	2.10	1.46	0.000	0.474	0.964	1.023	0.9523	0.9523	0.9523	0.9523	0.9523	0.9523
1580	0.033	1.49	2.90	1.77	0.000	0.398	0.966	0.984	0.9341	0.9341	0.9341	0.9341	0.9341	0.9341
1581	0.053	1.46	2.77	1.89	0.000	0.355	0.967	0.978	0.9302	0.9302	0.9302	0.9302	0.9302	0.9302
1582	0.069	1.49	3.11	2.11	0.000	0.318	0.968	0.978	0.9297	0.9297	0.9297	0.9297	0.9297	0.9297
1583	0.054	1.46	3.61	2.47	0.000	0.277	0.970	0.974	0.9435	0.9435	0.9436	0.9436	0.9436	0.9436
1584	0.059	1.46	4.15	2.87	0.000	0.248	0.970	0.976	0.9472	0.9472	0.9472	0.9472	0.9472	0.9472
1585	0.056	1.46	4.18	2.86	0.000	0.247	0.969	0.975	0.9470	0.9470	0.9470	0.9470	0.9470	0.9470
1586	0.050	1.46	3.60	2.47	0.000	0.278	0.964	0.970	0.9473	0.9473	0.9473	0.9473	0.9473	0.9473
1587	0.051	1.43	3.12	2.11	0.000	0.317	0.965	0.973	0.9329	0.9329	0.9330	0.9330	0.9330	0.9330
1588	0.031	1.46	2.76	1.89	0.000	0.358	0.967	0.978	0.9303	0.9303	0.9303	0.9303	0.9303	0.9303
1589	0.030	1.44	2.11	1.47	0.000	0.470	0.965	1.022	0.9521	0.9521	0.9521	0.9521	0.9521	0.9521
1590	0.019	1.46	1.81	1.24	0.000	0.494	0.967	1.080	0.9484	0.9484	0.9485	0.9485	0.9485	0.9485
1591	0.051	1.45	2.51	1.73	0.000	0.394	0.967	0.983	0.9359	0.9359	0.9359	0.9359	0.9359	0.9359
1592	0.033	1.73	2.75	1.67	0.000	0.357	0.967	0.989	0.9259	0.9259	0.9259	0.9259	0.9259	0.9259

RUN 26

VASE-1 FMS PRELIMINARY DATA 06/14/79 CADDETT REC 10/25/79 04:14:55.514 FAC 00601 PCM 0034 PPG 1528

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.438	0.98245	0.54367	0.92211	0.72200
117	15.138	1.0023	0.54468	0.94073	0.82000
127	15.268	1.0109	0.54941	0.94880	0.91900
137	15.338	1.0197	0.56179	0.95283	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.348	0.98972	0.54770	0.92893	0.42200
117	14.888	0.98311	0.54404	0.92273	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	13.355	0.86439	0.47834	0.81130	0.50800
117	14.981	1.1237	0.62144	1.0540	0.58300
127	15.138	1.0023	0.54465	0.94073	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR CURBUP

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.678	0.97187	0.53781	0.91217	-1.0000
117	14.573	0.96402	0.53397	0.90566	-1.0000
127	14.578	0.96375	0.53415	0.90597	-1.0000
137	14.863	0.98410	0.54458	0.92366	-1.0000
147	14.848	0.98311	0.54404	0.92273	-1.0000
157	14.648	0.96988	0.53672	0.91031	-1.0000

ADDITIONAL PRESSURE RATIOS, COVERDOY IMET

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.678	0.97187	0.53781	0.91217	0.39800
117	14.573	0.96402	0.53397	0.90566	0.43100
127	14.578	0.96375	0.53415	0.90597	0.44900
137	14.863	0.98410	0.54458	0.92366	0.48600
147	14.848	0.98311	0.54404	0.92273	0.52200
157	14.648	0.96988	0.53672	0.91031	0.58800
167	15.123	1.0013	0.54410	0.93980	-1.0000
177	15.123	1.0013	0.54410	0.93980	-1.0000

ADDITIONAL PRESSURE RATIOS, PAN NETTIE FLAP

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
157	15.123	1.0013	0.54410	0.93980	-1.0000
167	15.123	1.0013	0.54410	0.93980	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.118	1.0010	0.54392	0.93949	0.79300
177	15.118	1.0010	0.54392	0.93949	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
187	14.948	0.98311	0.54404	0.92273	0.79300
197	14.454	0.95699	0.52958	0.89823	0.84400

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RUN26

MASA-LEWIS PRELIMINARY DATA 06/14/79 CAGNDEF1 PFC 10/25/79 04:16:10.251 FAR 9X6X1 PGM 0324 PNC 1520

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	14.217	0.93731	0.44269	0.75359	0.72200
77	15.266	1.0765	0.47644	0.80921	0.82000
57	15.641	1.0312	0.48813	0.82907	0.91900
97	15.971	1.0664	0.49930	0.84124	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	14.901	0.98245	0.44505	0.78988	0.42200
57	14.747	0.96588	0.44776	0.78048	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.953	0.85396	0.40423	0.68657	0.50800
82	17.498	1.1908	0.48473	0.92921	0.98300
52	15.276	1.0025	0.47456	0.80403	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-177	14.746	0.97289	0.46093	0.78219	-1.0000
-112	14.662	0.96667	0.45757	0.77716	-1.0000
-122	14.662	0.96667	0.45757	0.77716	-1.0000
-127	14.931	0.98442	0.46599	0.79146	-1.0000
-137	14.921	0.98376	0.46568	0.79093	-1.0000
-147	14.696	0.96894	0.45866	0.77902	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
177	14.746	0.97289	0.46093	0.78219	0.39800
112	14.662	0.96667	0.45757	0.77716	0.43100
122	14.662	0.96667	0.45757	0.77716	0.44900
127	14.931	0.98442	0.46599	0.79146	0.48600
137	14.921	0.98376	0.46568	0.79093	0.52200
147	14.696	0.96894	0.45866	0.77902	0.58800
152	15.201	1.0022	0.47441	0.80577	1.0000
157	15.196	1.0019	0.47425	0.80550	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN WHIPPLE PLUG~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.201	1.0022	0.47441	0.80577	-1.0000
-157	15.196	1.0019	0.47425	0.80550	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
177	15.196	1.0019	0.47425	0.80550	0.79300
172	15.191	1.0016	0.47410	0.80524	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
197	14.946	0.98805	0.46770	0.79438	0.79300
192	14.532	0.96268	0.45570	0.77308	0.84400

RUN26

NASA-Lewis PRELIMINARY DATA 06/14/79 CADDILLAC REF 10/25/79 04:17:31.370 FAC 4X4X1 PCM 0024 PPG 1530

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
77	11.115	0.73644	0.29383	0.50023	0.72200
77	14.738	0.94341	0.37641	0.64082	0.82090
47	15.548	1.0302	0.41102	0.69575	0.91900
47	16.092	1.0662	0.42547	0.72474	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
62	15.173	1.0053	0.40112	0.68288	0.42200
47	12.439	0.82420	0.37889	0.59989	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
77	9.1100	0.60360	0.24083	0.41001	0.50800
47	14.545	1.2976	0.51779	0.88144	0.98300
92	15.178	1.0023	0.39993	0.67094	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
107	14.698	0.97387	0.38857	0.66151	-1.0000
112	14.618	0.96857	0.38645	0.65792	-1.0000
127	14.638	0.98990	0.38688	0.65882	-1.0000
127	14.903	0.98744	0.39398	0.67074	-1.0000
137	14.898	0.98711	0.39385	0.67051	-1.0000
147	14.753	0.97751	0.39002	0.66399	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
107	14.698	0.97387	0.38857	0.66151	0.39800
112	14.618	0.96857	0.38645	0.65792	0.43100
127	14.638	0.98990	0.38688	0.65882	0.44900
127	14.903	0.98744	0.39398	0.67074	0.48600
137	14.898	0.98711	0.39385	0.67051	0.52200
147	14.753	0.97751	0.39002	0.66399	0.58800
152	15.138	1.0033	0.40032	0.68131	-1.0000
157	15.143	1.0033	0.40032	0.68153	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
152	15.138	1.0033	0.40032	0.68131	-1.0000
157	15.143	1.0033	0.40032	0.68153	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
147	15.138	1.0030	0.40019	0.68131	0.79300
172	15.133	1.0027	0.40006	0.68108	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
192	14.908	0.98778	0.39412	0.67096	0.79300
197	14.548	0.96394	0.38460	0.65477	0.84400

RUN26

NASA-LEWIS PRELIMINARY DATA 06/14/79 CANNFIELD REC 10/25/79 04:17:51.022 FAC 446X1 PGM 0034 PDC 1531

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
22	7.7817	0.46987	0.16961	0.29000	0.72200
27	12.007	0.79669	0.28759	0.49171	0.82000
47	15.416	1.2229	0.36923	0.63131	0.91900
57	16.316	1.3976	0.39978	0.66814	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
67	16.636	1.1738	0.39844	0.68124	0.62200
77	13.762	0.91311	0.32961	0.56356	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	9.9326	0.65932	0.23789	0.40674	0.50800
87	14.870	1.2920	0.49194	0.77272	0.58300
97	15.347	1.0707	0.36121	0.61759	0.67000

~~ADDITIONAL PRESSURE RATIOS, FAN NOZZLE SHROUD~~

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.672	0.97347	0.25140	0.40081	-1.0000
-112	14.592	0.96816	0.24948	0.39754	-1.0000
-127	14.612	0.96949	0.24996	0.39836	-1.0000
-127	14.872	0.98673	0.25614	0.40900	-1.0000
-137	14.892	0.98806	0.25666	0.40982	-1.0000
-147	14.822	0.98342	0.25499	0.40695	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.672	0.97347	0.25140	0.40081	0.39800
112	14.592	0.96816	0.24948	0.39754	0.43100
127	14.612	0.96949	0.24996	0.39836	0.44900
127	14.872	0.98673	0.25614	0.40900	0.48600
137	14.892	0.98806	0.25666	0.40982	0.52200
147	14.822	0.98342	0.25499	0.40695	0.58800
-147	15.087	1.0010	0.26133	0.41780	-1.0000
-157	15.347	1.0610	0.26133	0.41780	-1.0000

~~ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP~~

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
-157	15.087	1.0010	0.26133	0.41780	-1.0000
-157	15.347	1.0610	0.26133	0.41780	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
177	15.087	1.0010	0.26133	0.41780	0.79300
177	15.087	1.0010	0.26133	0.41780	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	14.717	0.97649	0.25747	0.40269	0.79700
197	14.377	0.95359	0.24314	0.38669	0.84400

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RUN 26

NACA-LFWIS PRELIMINARY DATA 06/14/79 CANNETT REC 10/25/79 04:18:45.127 FSC 8VAX1 PGM C036 PPG 1532

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
27	11.147	0.54194	0.17397	0.29761	0.72200
37	13.714	0.93836	0.29160	0.49887	0.82000
47	11.779	0.77996	0.25038	0.42832	0.91000
52	16.897	1.1018	0.39363	0.60494	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	18.835	1.2472	0.47036	0.68488	0.42200
67	15.567	1.0308	0.39090	0.56606	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.194	0.74124	0.23795	0.40705	0.50800
82	14.792	1.0417	0.39440	0.57208	0.58300
87	15.123	1.0013	0.32144	0.54989	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
102	14.723	0.97487	0.31295	0.53536	-1.0000
112	14.658	0.97057	0.31157	0.53299	-1.0000
122	14.675	0.97156	0.31189	0.53354	-1.0000
127	14.938	0.98910	0.31751	0.54317	-1.0000
137	14.993	0.99208	0.31847	0.54480	-1.0000
142	15.013	0.99406	0.31911	0.54589	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTOR INLET

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.723	0.97487	0.31295	0.53536	0.39800
112	14.658	0.97057	0.31157	0.53299	0.43100
122	14.675	0.97156	0.31189	0.53354	0.44900
127	14.938	0.98910	0.31751	0.54317	0.48600
137	14.993	0.99208	0.31847	0.54480	0.52200
142	15.013	0.99406	0.31911	0.54589	0.58800
152	14.133	1.0020	0.32166	0.55075	1.0000
157	15.133	1.0729	0.32166	0.55075	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.133	1.0020	0.32166	0.55075	-1.0000
157	15.133	1.0729	0.32166	0.55075	1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.153	1.0733	0.32208	0.55088	0.79300
172	15.148	1.0030	0.32198	0.55080	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.698	0.97256	0.31220	0.53408	0.79300
187	14.788	0.94609	0.30771	0.51955	0.84400

RUN26

MASS-LEWIS PRELIMINARY DATA 06/14/79 CARRELL REC 10/25/79 04:19:33.159 F&F 446X1 PG4 C034 PPG 1533

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	0.3430	0.61765	0.17170	0.29245	0.72200
37	16.367	1.0000	0.10762	0.51544	0.82000
47	13.543	0.89532	0.74000	0.42391	0.91900
92	16.872	1.1155	0.31006	0.52012	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
42	22.055	1.4580	0.40531	0.69034	0.42200
87	19.491	1.2198	0.37908	0.57755	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	13.023	0.84095	0.23933	0.40764	0.50800
92	19.228	1.2049	0.33499	0.57091	0.98300
92	15.153	1.0017	0.27846	0.47430	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.739	0.97430	0.27084	0.46131	-1.0000
-112	14.673	0.97000	0.26965	0.45928	-1.0000
-127	14.888	0.97100	0.26992	0.45975	-1.0000
-127	14.963	0.98917	0.27497	0.46835	-1.0000
-137	14.993	0.99114	0.27552	0.46929	-1.0000
-142	15.018	0.99280	0.27598	0.47007	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.739	0.97430	0.27084	0.46131	0.39900
112	14.673	0.97000	0.26965	0.45928	0.43100
127	14.888	0.97100	0.26992	0.45975	0.44900
127	14.963	0.98917	0.27497	0.46835	0.48600
137	14.993	0.99114	0.27552	0.46929	0.52200
142	15.018	0.99280	0.27598	0.47007	0.58800
147	15.153	1.0017	0.27846	0.47430	1.0000
147	15.153	1.0017	0.27846	0.47430	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-157	15.153	1.0017	0.27846	0.47430	-1.0000
-157	15.153	1.0017	0.27846	0.47430	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.158	1.0021	0.27856	0.47445	0.79300
172	15.163	1.0024	0.27865	0.47461	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.813	0.97026	0.27222	0.46366	0.79300
187	14.673	0.95348	0.26505	0.45145	0.84400

RUN26

NASA-LEWIS PRELIMINARY DATA 06/14/79 CANNETT PFC 10/25/79 04:23:35.800 FAC MAX1 PCM 0324 PPG 1534

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
17	9.6724	0.63989	0.16186	0.28315	0.72200
17	17.198	1.1378	0.28780	0.50247	0.82000
47	14.793	0.97802	0.24730	0.43278	0.91900
97	14.983	1.0929	0.27383	0.47993	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
47	23.457	1.5518	0.39254	0.68670	0.42200
47	18.958	1.2542	0.31724	0.54498	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	14.238	0.94196	0.23927	0.41682	0.50800
97	20.003	1.3293	0.33824	0.48920	0.58300
97	15.138	1.0015	0.25333	0.44317	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.778	0.97769	0.24731	0.43263	-1.0000
-112	14.723	0.97405	0.24639	0.43102	-1.0000
-122	14.753	0.97603	0.24689	0.43190	-1.0000
-127	15.008	0.99290	0.25116	0.43936	-1.0000
-137	15.153	0.99588	0.25191	0.44068	-1.0000
-147	15.098	0.99886	0.25266	0.44200	-1.0000

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.778	0.97769	0.24731	0.43263	0.39800
112	14.723	0.97405	0.24639	0.43102	0.43100
122	14.753	0.97603	0.24689	0.43190	0.44900
127	15.008	0.99290	0.25116	0.43936	0.48600
137	15.153	0.99588	0.25191	0.44068	0.52200
147	15.098	0.99886	0.25266	0.44200	0.58800
-152	15.148	1.0022	0.25350	0.44346	1.0000
-157	15.148	1.0022	0.25350	0.44346	-1.0000

>ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.148	1.0022	0.25350	0.44346	-1.0000
-157	15.148	1.0022	0.25350	0.44346	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.148	1.0022	0.25350	0.44346	0.79300
177	15.153	1.0025	0.25358	0.44361	0.84400

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
187	14.928	0.98761	0.24982	0.43702	0.79300
197	14.578	0.96446	0.24396	0.42678	0.84400

RUN26

MEGA-LEWIS PRELIMINARY DATA 7/14/79 CANNETT REC 10/25/79 04:24:20.656 FAC ARANK PGM 0024 DRG 1535

ADDITIONAL PRESSURE RATIOS , PRIMARY WING

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
17	9.7303	0.66306	0.16325	0.27969	0.72200
27	17.278	1.1478	0.28987	0.49618	0.82000
47	14.844	0.94010	0.24881	0.42628	0.91900
77	16.577	1.0947	0.27779	0.47594	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
62	23.675	1.5632	0.39683	0.67989	0.42200
67	10.952	1.2980	0.31936	0.56713	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	14.369	0.94875	0.24085	0.41264	0.57800
97	20.032	1.3728	0.35478	0.57426	0.96000
92	15.184	1.0025	0.25450	0.43604	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTION SHROUD~~

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.799	0.97713	0.24805	0.42498	-1.0000
117	14.739	0.97317	0.24705	0.42326	-1.0000
127	14.774	0.97948	0.24763	0.42427	-1.0000
127	15.344	0.99330	0.25216	0.43207	-1.0000
137	15.094	0.99860	0.25299	0.43345	-1.0000
147	15.139	0.99957	0.25375	0.43475	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.799	0.97713	0.24805	0.42498	0.99000
117	14.739	0.97317	0.24705	0.42326	0.43100
127	14.774	0.97948	0.24763	0.42427	0.44900
127	15.344	0.99330	0.25216	0.43207	0.48000
137	15.094	0.99860	0.25299	0.43345	0.52200
147	15.139	0.99957	0.25375	0.43475	0.58800
157	15.174	1.0022	0.25442	0.43589	-1.0000
157	15.174	1.0019	0.25433	0.43575	-1.0000

~~ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP~~

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
157	15.174	1.0022	0.25442	0.43589	-1.0000
157	15.174	1.0019	0.25433	0.43575	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
167	15.179	1.0022	0.25442	0.43589	0.79300
177	15.179	1.0022	0.25442	0.43589	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
187	14.949	0.98703	0.25096	0.42929	0.79300
197	14.614	0.96497	0.24695	0.41067	0.84400

RUN 26

NACA-LENIC PRELIMINARY DATA 06/14/79 TADDELL REC 10/25/79 04:25:55.412 FAC AXAVI PGM C774 BPG 1536

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	9.3742	0.62031	0.16765	0.29177	0.72200
17	16.342	1.0914	0.29275	0.40862	0.82000
17	13.818	0.91427	0.24712	0.43008	0.91600
17	16.898	1.1156	0.30146	0.52666	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	22.763	1.4599	0.39457	0.60669	0.42200
67	19.979	1.2126	0.32773	0.47036	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.203	0.87369	0.23613	0.41095	0.50800
49	18.755	1.2411	0.35441	0.48974	0.58900
22	15.142	1.0020	0.27080	0.47130	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SURROUND

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
117	14.762	0.97687	0.26401	0.45948	-1.0000
112	14.708	0.97323	0.26303	0.45777	-1.0000
122	14.713	0.97356	0.26312	0.45792	-1.0000
127	14.977	0.99109	0.26786	0.46616	-1.0000
137	15.012	0.99340	0.26848	0.46725	-1.0000
142	15.037	0.99506	0.26893	0.46803	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
197	14.762	0.97687	0.26401	0.45948	0.39800
112	14.708	0.97323	0.26303	0.45777	0.43100
122	14.713	0.97356	0.26312	0.45792	0.44900
127	14.977	0.99109	0.26786	0.46616	0.48600
137	15.012	0.99340	0.26848	0.46725	0.52200
142	15.037	0.99506	0.26893	0.46803	0.58800
152	15.142	1.0020	0.27080	0.47130	1.0000
157	15.147	1.0023	0.27089	0.47145	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
162	15.142	1.0020	0.27080	0.47130	-1.0000
167	15.147	1.0023	0.27089	0.47145	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.147	1.0023	0.27089	0.47145	0.79300
172	15.142	1.0020	0.27080	0.47130	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.932	0.99150	0.26526	0.46165	0.79300
187	14.448	0.95604	0.25838	0.44969	0.84400

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RUN26

NASA-LEWIS PRELIMINARY DATA 06/14/79 CADDIE1 REC 10/25/79 04:27:40.071 FAC 9XAX1 PGM C034 PPG 1537

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVN WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
27	9.1306	0.53934	0.17274	0.29618	0.72200
27	13.726	0.93880	0.29161	0.50001	0.92000
47	11.746	0.77773	0.24955	0.42789	0.91900
52	16.675	1.1714	0.35341	0.60598	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVN WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
47	18.809	1.2454	0.39959	0.68517	0.42200
47	14.000	1.0329	0.33143	0.56829	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVN WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	11.211	0.74231	0.23818	0.40840	0.50800
97	15.769	1.0438	0.33493	0.97430	0.98300
07	15.135	1.0021	0.22155	0.55136	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVN WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
-177	14.755	0.97566	0.31306	0.53679	-1.0000
-112	14.665	0.97102	0.31157	0.53424	-1.0000
-122	14.689	0.97239	0.31200	0.53497	-1.0000
-127	14.945	0.98956	0.31752	0.54444	-1.0000
-137	14.990	0.99254	0.31847	0.54608	-1.0000
-147	15.010	0.99386	0.31890	0.54680	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD IMFT

AVN WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.755	0.97566	0.31306	0.53679	0.39800
112	14.665	0.97102	0.31157	0.53424	0.43100
122	14.689	0.97239	0.31200	0.53497	0.44900
127	14.945	0.98956	0.31752	0.54444	0.48600
137	14.990	0.99254	0.31847	0.54608	0.52200
147	15.010	0.99386	0.31890	0.54680	0.58800
-147	15.125	1.0011	0.32123	0.55081	1.0000
-157	15.120	1.0011	0.32123	0.55081	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVN WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
-152	15.125	1.0011	0.32123	0.55081	-1.0000
-157	15.120	1.0011	0.32123	0.55081	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVN WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
147	15.115	1.0008	0.32113	0.55063	0.79300
177	15.115	1.0008	0.32113	0.55063	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVN WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	14.665	0.97102	0.31157	0.53424	0.79300
187	14.256	0.94389	0.30286	0.51931	0.84400

RUN26

NASA-LEWIS PRELIMINARY DATA 36/14/79 CANNETT REC 10/25/79 04:28:39.400 FSC 8VAV1 PGM 0074 PPG 1538

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
12	7.1062	0.46909	0.16973	0.28971	0.72203
11	17.058	0.79593	0.28799	0.49156	0.82007
47	15.492	1.0276	0.27001	0.63158	0.91901
42	16.397	1.0876	0.29162	0.66846	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
12	16.747	1.1055	0.39998	0.68273	0.42200
47	13.877	0.91276	0.39028	0.56372	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.O.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	9.8224	0.64838	0.23460	0.40044	0.50800
87	19.176	1.2592	0.44581	0.77768	0.48300
92	15.177	1.0019	0.36249	0.61874	0.67300

~~ADDITIONAL PRESSURE RATIOS, EJECTION SHROUD~~

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.767	0.97480	0.35270	0.60203	-1.0000
112	14.702	0.97051	0.35115	0.59938	-1.0000
127	14.707	0.97084	0.35127	0.59958	-1.0000
127	14.982	0.98809	0.35784	0.61079	-1.0000
137	14.987	0.98932	0.35796	0.61100	-1.0000
147	14.927	0.98536	0.35652	0.60855	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTION INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.767	0.97480	0.35270	0.60203	0.39800
112	14.702	0.97051	0.35115	0.59938	0.43100
127	14.707	0.97084	0.35127	0.59958	0.44900
127	14.982	0.98809	0.35784	0.61079	0.48600
137	14.987	0.98932	0.35796	0.61100	0.52200
147	14.927	0.98536	0.35652	0.60855	0.58800
152	15.177	1.0019	0.36249	0.61874	-1.0000
157	15.177	1.0019	0.36249	0.61874	-1.0000

~~ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP~~

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
152	15.177	1.0019	0.36249	0.61874	-1.0000
157	15.177	1.0019	0.36249	0.61874	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.177	1.0019	0.36249	0.61874	0.79300
172	15.177	1.0015	0.36237	0.61854	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.912	0.97777	0.35378	0.60386	0.79300
187	14.417	0.95170	0.34435	0.58776	0.84400

PUN26

MACH-10MIS PRELIMINARY DATA 06/14/70

CANNONET

REF 10/25/70 04:25:00.000

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ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.273	0.74260	0.29641	0.50458	0.72200
77	14.193	0.97493	0.37318	0.63524	0.82000
47	15.558	1.0240	0.40006	0.69634	0.91500
47	15.157	1.0043	0.47687	0.72719	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
47	15.257	1.0047	0.40105	0.65270	0.42200
47	12.903	0.82362	0.32879	0.59963	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.7128	0.57394	0.22009	0.38998	0.50800
42	21.720	1.4908	0.57110	0.97217	0.98300
92	15.223	1.0028	0.40026	0.68135	0.67000

~~ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.703	0.97378	0.38869	0.66166	-1.0000
117	14.708	0.96884	0.38672	0.65831	-1.0000
122	14.713	0.96917	0.38689	0.65893	1.0000
127	14.983	0.98605	0.39395	0.67061	-1.0000
137	14.988	0.98728	0.39408	0.67084	-1.0000
142	14.953	0.97839	0.39053	0.66480	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.703	0.97378	0.38869	0.66166	0.39800
117	14.708	0.96884	0.38672	0.65831	0.43100
122	14.713	0.96917	0.38689	0.65893	0.44900
127	14.983	0.98605	0.39395	0.67061	0.48600
137	14.988	0.98728	0.39408	0.67084	0.52200
142	14.953	0.97839	0.39053	0.66480	0.58800
152	15.208	1.0018	0.39906	0.68068	1.0000
157	15.203	1.0014	0.39973	0.68044	-1.0000

~~ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	15.208	1.0018	0.39906	0.68068	-1.0000
157	15.203	1.0014	0.39973	0.68044	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.208	1.0018	0.39906	0.68068	0.79300
177	15.203	1.0014	0.39973	0.68044	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.978	0.98662	0.39382	0.67079	0.79300
197	14.608	0.96726	0.38409	0.65383	0.84400

RUN26

NASA-LEWIS PRELIMINARY DATA 76/14/79 CADDEII DEC 10/25/79 04:30:37.796 FAF 9XAXI PCM 0026 PPG 1540

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
72	14.715	0.93659	0.44254	0.75260	0.72200
77	15.295	1.0070	0.47584	0.80927	0.82000
47	15.669	1.0324	0.48782	0.82960	0.91900
69	14.899	1.0000	0.49468	0.84124	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	14.925	0.98334	0.46463	0.79017	0.42200
67	14.960	0.98613	0.44709	0.78027	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.706	0.83713	0.39555	0.67268	0.50800
82	14.349	1.1001	0.58187	0.95559	0.98300
92	15.220	1.0028	0.47381	0.80578	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.799	0.97182	0.45919	0.78091	-1.0000
-112	14.670	0.96655	0.45670	0.77668	-1.0000
-127	14.690	0.96786	0.45732	0.77774	-1.0000
-127	14.950	0.98499	0.46541	0.79150	-1.0000
-137	14.930	0.98367	0.46479	0.79044	-1.0000
-142	14.710	0.96918	0.45794	0.77800	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.750	0.97182	0.45919	0.78091	0.39800
112	14.670	0.96655	0.45670	0.77668	0.43100
127	14.690	0.96786	0.45732	0.77774	0.44900
127	14.950	0.98499	0.46541	0.79150	0.48600
137	14.930	0.98367	0.46479	0.79044	0.52200
142	14.710	0.96918	0.45794	0.77800	0.58800
-152	15.205	1.0018	0.47335	0.80499	1.0000
-157	15.235	1.0018	0.47335	0.80499	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.205	1.0018	0.47335	0.80499	-1.0000
-157	15.235	1.0018	0.47335	0.80499	1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.295	1.0018	0.47335	0.80499	0.79300
172	15.235	1.0018	0.47335	0.80499	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.995	0.98739	0.46650	0.79335	0.79300
197	14.615	0.96293	0.45499	0.77377	0.84400

RUN16

WASA-1 CMIS PRELIMINARY DATA 06/14/79 CADDIE1 REC 10/25/79 04:31:07.526 FAC NYAK1 PCW 0014 PPG 1561

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
22	14.953	0.98248	0.53797	0.91904	0.72200
77	15.163	1.0030	0.54914	0.93821	0.82000
47	15.298	1.0119	0.55403	0.94656	0.91900
92	15.163	1.0162	0.55638	0.95058	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
42	14.973	0.99041	0.54227	0.92646	0.42200
67	14.863	0.98314	0.53829	0.91966	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	13.074	0.86481	0.47350	0.80898	0.50800
82	16.908	1.1183	0.61229	1.0661	0.58300
92	15.153	1.0223	0.54878	0.93759	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.758	0.97620	0.53449	0.91317	-1.0000
-112	14.623	0.96727	0.52960	0.90482	-1.0000
-127	14.833	0.98798	0.52996	0.90548	-1.0000
-127	14.933	0.98578	0.53573	0.92214	-1.0000
-137	14.873	0.98380	0.53869	0.92028	-1.0000
-142	14.663	0.96992	0.53105	0.90730	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.758	0.97620	0.53449	0.91317	0.39800
112	14.623	0.96727	0.52960	0.90482	0.43100
127	14.833	0.98798	0.52996	0.90548	0.44900
127	14.933	0.98578	0.53573	0.92214	0.48600
137	14.873	0.98380	0.53869	0.92028	0.52200
142	14.663	0.96992	0.53105	0.90730	0.58800
-152	15.148	1.0020	0.54860	0.93728	1.0000
-157	15.188	1.0020	0.54860	0.93728	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.148	1.0020	0.54860	0.93728	-1.0000
-157	15.188	1.0020	0.54860	0.93728	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.163	1.0030	0.54914	0.93821	0.79300
172	15.158	1.0026	0.54898	0.93793	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.943	0.98314	0.53829	0.91966	0.79300
197	14.449	0.95773	0.52399	0.89524	0.84400

RUN 26

NASA-Lewis PRELIMINARY DATA 06/14/70 CANNON PEC 10/25/79 04:40:07.252 FAC REXY1 PCN 004 PPG 1542

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	14.972	0.99224	0.54388	0.91731	0.72200
37	15.192	1.0034	0.55448	0.93704	0.82000
47	15.721	1.0120	0.56023	0.94505	0.91500
49	15.998	1.0169	0.56907	0.94968	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	14.992	0.99020	0.54827	0.92471	0.42700
47	14.992	0.99299	0.54424	0.91797	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.072	0.86343	0.47807	0.80432	0.50800
82	10.966	1.1147	0.61681	1.0403	0.50300
92	15.167	1.0718	0.55466	0.93550	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.927	0.97271	0.53858	0.90837	-1.0000
-112	14.627	0.96610	0.53497	0.90220	-1.0000
-127	14.542	0.97710	0.53467	0.90313	-1.0000
-127	14.937	0.98459	0.54516	0.91944	-1.0000
-137	14.992	0.99360	0.54461	0.91854	-1.0000
-142	14.682	0.96974	0.53693	0.90559	-1.0000

ADDITIONAL PRESSURE RATIOS, EMERGENCY INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.727	0.97271	0.53858	0.90837	0.39800
112	14.627	0.96610	0.53497	0.90220	0.43100
127	14.542	0.97710	0.53467	0.90213	0.44000
127	14.907	0.98459	0.54516	0.91944	0.48600
137	14.992	0.98360	0.54461	0.91854	0.52200
142	14.682	0.96974	0.53693	0.90559	0.58800
152	15.162	1.0018	0.55466	0.93519	1.0000
157	15.167	1.0018	0.55466	0.93550	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.162	1.0018	0.55466	0.93519	-1.0000
-157	15.167	1.0018	0.55466	0.93550	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.167	1.0018	0.55466	0.93550	0.79300
172	15.167	1.0018	0.55466	0.93550	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.882	0.98206	0.54424	0.91732	0.79300
187	14.697	0.95752	0.53017	0.89618	0.84400

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OF POOR QUALITY

RUN 26

VASA-1 FMS PRELIMINARY DATA 06/14/79 CANNON REC 10/25/79 04:41:45.107 FAC 8X6V1 PCM 0374 ENG 1543

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
22	14.143	1.93707	0.44385	0.75187	0.72290
37	15.233	1.0077	0.47710	0.80816	0.82000
47	15.578	1.7721	0.48887	0.82809	0.91900
52	15.793	1.0463	0.49561	0.83051	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
62	14.943	0.98337	0.46581	0.78903	0.42200
67	14.294	0.94681	0.46839	0.75953	0.67900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	12.663	0.83897	0.39741	0.67316	0.50800
92	17.782	1.1701	0.49804	0.94526	0.58300
92	15.133	1.0026	0.47491	0.80444	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.893	0.97387	0.46138	0.78106	-1.0000
-112	14.593	0.96681	0.45796	0.77574	-1.0000
-122	14.593	0.96681	0.45796	0.77574	-1.0000
-127	14.868	0.98503	0.46659	0.79036	-1.0000
-137	14.948	0.98370	0.46496	0.78979	-1.0000
-142	14.633	0.96946	0.45922	0.77787	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.893	0.97387	0.46110	0.78106	0.39800
112	14.593	0.96681	0.45796	0.77574	0.43100
122	14.593	0.96681	0.45796	0.77574	0.44900
127	14.868	0.98503	0.46659	0.79036	0.48600
137	14.948	0.98370	0.46496	0.78979	0.52200
142	14.633	0.96946	0.45922	0.77787	0.58800
-152	14.143	1.0030	0.47538	0.80524	1.0000
-157	15.143	1.0032	0.47777	0.80497	1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-152	15.143	1.0030	0.47538	0.80524	-1.0000
-157	15.143	1.0032	0.47777	0.80497	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.138	1.0028	0.47806	0.80471	0.79300
172	15.133	1.0026	0.47491	0.80444	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
182	14.913	0.98901	0.46800	0.79275	0.79300
187	14.523	0.96217	0.45577	0.77202	0.84400

RUN 16

NASA-LEWIS PRELIMINARY DATA 36/14/79 CASE#11 REC 13/25/79 04:43:27.674 FAC REAX1 PCP 0034 PPG 1544

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
22	9.1595	0.53838	0.17249	0.29547	0.72200
27	13.771	0.97968	0.29281	0.49868	0.82000
47	11.941	0.78130	0.25177	0.42879	0.91900
49	10.588	1.1010	0.39479	0.60423	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	19.910	1.2478	0.40209	0.68479	0.42200
47	19.891	1.0907	0.35219	0.56987	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.061	0.72982	0.23518	0.40054	0.50800
47	15.748	1.0390	0.35481	0.47020	0.98500
22	15.166	1.0007	0.32247	0.54920	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.746	0.97299	0.31354	0.53399	-1.0000
112	14.671	0.96804	0.31195	0.53127	-1.0000
122	14.691	0.96936	0.31239	0.53200	-1.0000
127	14.971	0.98783	0.31833	0.54214	-1.0000
137	15.011	0.99047	0.31918	0.54358	-1.0000
147	15.151	0.99212	0.31971	0.54449	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.746	0.97299	0.31354	0.53399	0.39800
112	14.671	0.96804	0.31195	0.53127	0.43100
122	14.691	0.96936	0.31239	0.53200	0.44900
127	14.971	0.98783	0.31833	0.54214	0.48600
137	15.011	0.99047	0.31918	0.54358	0.52200
147	15.036	0.99212	0.31971	0.54449	0.58800
157	15.151	0.99971	0.32216	0.54865	-1.0000
167	15.151	0.99971	0.32216	0.54865	-1.0000

~~ADDITIONAL PRESSURE RATIOS , CAN NOZZLE CLAD~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	15.156	1.0390	0.32226	0.54883	-1.0000
157	15.151	0.99971	0.32216	0.54865	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.151	0.99971	0.32216	0.54865	0.79300
177	15.156	1.0390	0.32226	0.54883	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.711	0.97968	0.31280	0.53272	0.79300
187	14.701	0.96263	0.30408	0.51788	0.84400

RUN26

MECA-LEWIS PRELIMINARY DATA 06/14/79 CANDELL PEC 10/25/75 04:45:20.184 FAC 8X41 PGM 0024 OF 1545

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	9.3345	0.62014	0.17179	0.29339	0.72200
37	16.311	1.0833	0.30005	0.51245	0.82000
47	13.506	0.89693	0.24844	0.42431	0.91000
52	16.781	1.1145	0.30870	0.52727	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	21.942	1.4572	0.40363	0.68934	0.42200
67	18.511	1.2227	0.37869	0.57863	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.815	0.85109	0.23575	0.40262	0.50800
82	18.238	1.2111	0.33947	0.57293	0.98300
92	15.086	1.0019	0.27757	0.47396	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.891	0.97965	0.27029	0.46145	-1.0000
-117	14.641	0.97794	0.26993	0.45997	-1.0000
-127	14.846	0.97266	0.26942	0.46013	-1.0000
-137	14.911	0.99026	0.27430	0.46846	-1.0000
-147	14.936	0.99197	0.27476	0.46924	-1.0000
-157	14.956	0.99325	0.27513	0.46987	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.891	0.97964	0.27029	0.46155	0.39800
112	14.641	0.97233	0.26933	0.45997	0.43100
127	14.846	0.97266	0.26942	0.46013	0.44900
127	14.911	0.99026	0.27430	0.46846	0.48600
137	14.936	0.99197	0.27476	0.46924	0.52200
147	14.956	0.99325	0.27513	0.46987	0.58800
157	14.976	1.0012	0.27753	0.47396	0.60000
167	15.001	1.0016	0.27763	0.47390	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	15.276	1.0012	0.27753	0.47396	-1.0000
-157	15.081	1.0016	0.27763	0.47390	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	15.081	1.0016	0.27763	0.47390	0.79300
157	15.081	1.0016	0.27763	0.47390	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.734	0.97864	0.27109	0.46296	0.79300
197	14.374	0.95473	0.26445	0.45165	0.84400

RUN26

NACA-LEWIS PRELIMINARY DATA 04/14/79 C/NOFFIT REF 10/25/79 04:48:74.406 FAN RTAK1 PC= 0034 PPG 1544

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PL	PL/PD	PI/PTF	PI/PTP	X/DMAX
32	14.442	0.95104	0.52327	0.76027	0.72200
37	15.413	1.0197	0.54844	0.81136	0.82900
47	15.733	1.0340	0.57004	0.82822	0.91907
52	15.999	1.0492	0.57729	0.83874	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PL	PL/PD	PI/PTF	PI/PTP	X/DMAX
62	15.163	0.99848	0.54938	0.79819	0.42200
67	14.877	0.98892	0.54179	0.77264	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PL	PL/PD	PI/PTF	PI/PTP	X/DMAX
77	13.144	0.86570	0.47632	0.69205	0.50800
82	14.974	1.1177	0.61444	0.89339	0.98300
87	15.213	1.0718	0.55119	0.80083	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR GROUND~~

AVD WOPD	PL	PL/PD	PI/PTF	PI/PTP	X/DMAX
107	14.777	0.97311	0.53542	0.77791	-1.0000
112	14.677	0.96652	0.53179	0.77265	-1.0000
122	14.692	0.96751	0.53294	0.77344	-1.0000
127	14.993	0.98662	0.54285	0.78871	-1.0000
137	14.968	0.98463	0.54231	0.78792	-1.0000
142	14.777	0.97311	0.53542	0.77791	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WOPD	PL	PL/PD	PI/PTF	PI/PTP	X/DMAX
107	14.777	0.97311	0.53542	0.77791	0.39800
112	14.677	0.96652	0.53179	0.77265	0.43100
122	14.692	0.96751	0.53294	0.77344	0.44900
127	14.993	0.98662	0.54285	0.78871	0.48607
137	14.968	0.98463	0.54231	0.78792	0.52200
142	14.777	0.97311	0.53542	0.77791	0.58800
147	15.213	1.0718	0.55119	0.80083	0.67000
152	15.223	1.0924	0.55194	0.80144	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN NOZZLE CLAP~~

AVD WOPD	PL	PL/PD	PI/PTF	PI/PTP	X/DMAX
152	15.213	1.0718	0.55119	0.80083	-1.0000
157	15.223	1.0924	0.55194	0.80144	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PL	PL/PD	PI/PTF	PI/PTP	X/DMAX
167	15.219	1.0721	0.55137	0.80109	0.79300
172	15.228	1.0928	0.55173	0.80162	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WOPD	PL	PL/PD	PI/PTF	PI/PTP	X/DMAX
182	15.088	0.99354	0.54666	0.79424	0.79300
187	14.727	0.94987	0.53761	0.77528	0.84400

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RUN 26

NACA-11EMIS PRELIMINARY DATA 06/14/79 CADDELL REC 10/25/79 04:49:02.254 FAP RV6V1 PCM C134 PPG 1547

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	12.935	0.79542	0.38111	0.54133	0.72200
37	15.180	1.0032	0.48068	0.68274	0.82000
47	15.879	1.0495	0.52284	0.71423	0.91900
92	16.229	1.0726	0.51397	0.72997	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	15.485	1.0734	0.49034	0.69647	0.62200
87	13.489	0.88828	0.42580	0.60492	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.670	0.83738	0.40122	0.56989	0.50800
82	17.888	1.1881	0.59871	0.79398	0.98700
92	15.150	1.0012	0.47973	0.68141	0.47000

ADDITIONAL PRESSURE RATIOS, F-SECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.700	0.97191	0.48549	0.68117	-1.0000
-112	14.635	0.96524	0.46248	0.65690	-1.0000
-127	14.619	0.96597	0.46268	0.65713	-1.0000
-127	14.885	0.99374	0.47134	0.66949	-1.0000
-137	14.880	0.98209	0.47055	0.66897	-1.0000
-142	14.670	0.96623	0.46296	0.65758	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.700	0.97191	0.48549	0.68117	0.98800
112	14.635	0.96524	0.46248	0.65690	0.43100
127	14.619	0.96597	0.46268	0.65713	0.44900
127	14.885	0.99374	0.47134	0.66949	0.48600
137	14.880	0.98209	0.47055	0.66897	0.52200
142	14.670	0.96623	0.46296	0.65758	0.58800
-152	15.145	1.0009	0.47998	0.68118	-1.0000
-157	15.143	1.0006	0.47962	0.68098	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN WHIPPLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.145	1.0009	0.47998	0.68118	-1.0000
-157	15.143	1.0006	0.47962	0.68098	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.145	1.0009	0.47998	0.68118	0.79300
172	15.150	1.0012	0.47973	0.68141	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.970	0.99935	0.47404	0.67331	0.79300
197	14.613	0.96557	0.46264	0.65713	0.84400

RUN26

NASA-Lewis PRELIMINARY DATA 06/14/79 C200F11 REC 10/25/79 04:49:58.807 F&E MAX1 PG# 0024 POC 1448

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
22	6.8009	0.45098	0.18016	0.26317	0.72200
27	12.277	0.86056	0.34379	0.50218	0.82000
67	15.557	1.0716	0.41213	0.60199	0.91000
52	18.897	1.1032	0.44073	0.64377	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.C.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	17.491	1.1599	0.46737	0.67684	0.42700
67	15.617	0.92299	0.46073	0.52694	0.87000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.5368	0.54609	0.22615	0.33034	0.50800
82	21.555	1.4299	0.57102	0.83679	0.58300
87	15.092	1.0308	0.39981	0.58400	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.667	0.97269	0.38856	0.56756	-1.0000
-112	14.587	0.96730	0.38844	0.56447	-1.0000
-122	14.612	0.96896	0.38710	0.56543	-1.0000
-127	14.882	0.98686	0.39425	0.57588	-1.0000
-137	14.867	0.98586	0.39385	0.57530	-1.0000
-147	14.712	0.97559	0.38975	0.56930	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.667	0.97269	0.38856	0.56756	0.39800
112	14.587	0.96730	0.38844	0.56447	0.43100
122	14.612	0.96896	0.38710	0.56543	0.44900
127	14.882	0.98686	0.39425	0.57588	0.48600
137	14.867	0.98586	0.39385	0.57530	0.52200
147	14.712	0.97559	0.38975	0.56930	0.58800
152	15.092	1.0308	0.39981	0.58400	1.0000
157	15.102	1.0314	0.40008	0.58439	1.0000

ADDITIONAL PRESSURE RATIOS , PAN MUFFLE PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.092	1.0311	0.39981	0.58420	-1.0000
-157	15.102	1.0314	0.40008	0.58439	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.102	1.0314	0.40008	0.58439	0.79300
177	15.102	1.0314	0.40008	0.58439	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.767	0.97923	0.39120	0.57143	0.79300
187	14.767	0.97923	0.39048	0.55576	0.84400

RUN26

NASA-Lewis PRELIMINARY DATA 06/14/79 CANNEL REC 10/25/79 04:51:26.594 FAC 00601 PCM 0074 RMC 1549

ADDITIONAL PRESSURE RATIOS, PRIMARY NOZ

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
72	8.9782	0.59409	0.19067	0.28080	0.72203
77	14.245	0.94258	0.30251	0.44451	0.82003
67	11.654	0.77117	0.24750	0.36449	0.91900
82	17.134	1.1331	0.26430	0.47851	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER T.O.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
62	21.714	1.4368	0.46113	0.67911	0.42200
87	17.134	1.1338	0.36388	0.53589	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	11.079	0.73311	0.23528	0.34651	0.50800
87	19.780	1.0428	0.33428	0.49289	0.58300
92	14.120	1.0005	0.22109	0.47287	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	14.730	0.97467	0.31281	0.46088	-1.0000
-112	14.665	0.97037	0.31143	0.45864	-1.0000
-122	14.690	0.97207	0.31196	0.45943	-1.0000
-127	14.955	0.98956	0.31759	0.46771	-1.0000
-137	14.995	0.99220	0.31843	0.46897	-1.0000
-142	15.020	0.99386	0.31897	0.46975	-1.0000

ADDITIONAL PRESSURE RATIOS, ENGINE INLET

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.730	0.97467	0.31281	0.46088	0.8000
112	14.665	0.97037	0.31143	0.45864	0.43100
122	14.690	0.97207	0.31196	0.45943	0.44900
127	14.955	0.98956	0.31759	0.46771	0.48600
137	14.995	0.99220	0.31843	0.46897	0.52700
142	15.020	0.99386	0.31897	0.46975	0.58800
-147	14.125	1.0000	0.22120	0.47303	-1.0000
-152	15.125	1.0000	0.22120	0.47303	-1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-152	15.125	1.0000	0.22120	0.47303	-1.0000
-157	15.125	1.0000	0.22120	0.47303	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
147	15.125	1.0000	0.22120	0.47303	0.79300
172	15.125	1.0000	0.22120	0.47303	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
182	14.630	0.96809	0.31068	0.45759	0.79300
197	14.710	0.96025	0.30177	0.44441	0.84400

RUN26

NASA-LEWIS PRELIMINARY DATA 06/14/70 CANNETT PFC 10/25/79 04:55:27.005 FAC 94671 PGM 0724 PPG 1550

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
27	8.9943	0.59593	0.19151	0.28128	0.72200
77	14.737	0.94387	0.30332	0.44551	0.82000
67	11.677	0.77407	0.24876	0.36536	0.91000
47	17.124	1.1999	0.36902	0.49612	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	21.698	1.4392	0.46251	0.67931	0.42200
47	17.124	1.1999	0.36902	0.49612	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.360	0.73361	0.23575	0.34626	0.50000
82	15.710	1.0420	0.37487	0.49184	0.58300
92	15.795	1.0712	0.32176	0.47259	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.795	0.94637	0.31345	0.46098	-1.0000
-112	14.635	0.97073	0.31196	0.45810	-1.0000
-122	14.650	0.97173	0.31228	0.45866	-1.0000
-127	14.970	0.98963	0.31803	0.46711	-1.0000
-137	14.975	0.98963	0.31803	0.46711	-1.0000
-142	15.010	0.99560	0.31995	0.46992	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
127	14.795	0.94637	0.31345	0.46098	0.39000
112	14.635	0.97073	0.31196	0.45810	0.43100
122	14.650	0.97173	0.31228	0.45866	0.44900
127	14.970	0.98963	0.31803	0.46711	0.48600
137	14.975	0.98963	0.31803	0.46711	0.57700
142	15.010	0.99560	0.31995	0.46992	0.58800
-152	15.105	1.0022	0.32197	0.47290	-1.0000
-157	15.110	1.0022	0.32208	0.47305	-1.0000

>ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.105	1.0019	0.32197	0.47290	-1.0000
-157	15.110	1.0022	0.32208	0.47305	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.105	1.0019	0.32197	0.47290	0.79300
172	15.105	1.0019	0.32197	0.47290	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.615	0.96941	0.31153	0.45756	0.79300
187	14.195	0.94155	0.30259	0.44441	0.84400

RUN26

NACA-LEWIS PRELIMINARY DATA 06/14/70 CANNETT REC 10/25/79 04:55:32.465 FAC 4X6X1 PCN 0334 PRC 1551

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	7.6300	0.53266	0.18203	0.26930	0.72200
37	11.717	0.76186	0.26865	0.39598	0.82000
47	14.942	0.98824	0.35788	0.52740	0.91900
57	16.677	1.0993	0.3911	0.58670	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
62	19.201	1.2699	0.45989	0.67785	0.42200
67	15.762	0.9818	0.35079	0.53172	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	9.6662	0.63931	0.23152	0.34124	0.50800
87	14.941	1.2924	0.48803	0.68989	0.98300
97	15.137	1.0011	0.36255	0.53437	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.707	0.96807	0.35225	0.51919	-1.0000
117	14.637	0.96807	0.35057	0.51672	-1.0000
127	14.647	0.98873	0.35081	0.51707	-1.0000
137	14.912	0.98626	0.35716	0.52643	-1.0000
147	14.937	0.98791	0.35776	0.52731	-1.0000
157	14.882	0.98427	0.35644	0.52537	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.707	0.97270	0.35225	0.51919	0.39800
117	14.637	0.96807	0.35057	0.51672	0.43100
127	14.647	0.98873	0.35081	0.51707	0.44900
137	14.912	0.98626	0.35716	0.52643	0.48400
147	14.937	0.98791	0.35776	0.52731	0.52200
157	14.882	0.98427	0.35644	0.52537	0.58800
167	14.132	1.0000	0.35000	0.50000	1.0000
177	14.127	1.0000	0.35000	0.50000	1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	15.132	1.0000	0.36243	0.53419	-1.0000
197	15.127	1.0000	0.36243	0.53402	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
147	14.132	1.0000	0.36243	0.53419	0.79300
177	15.122	1.0001	0.36210	0.53384	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	14.622	0.96708	0.35021	0.51619	0.79300
197	14.207	0.93937	0.34015	0.50136	0.84400

RUN26

WASH-LEWIS PRELIMINARY DATA 06/14/79 CANNELL REF 10/25/79 05:00:00.667 FAC 8X6X1 PGW 0034 PPG 1552

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PL/PD	PI/PTF	PI/PTP	X/DMAX
32	17.428	0.69085	0.19076	0.27761	0.72200
37	18.729	1.2406	0.34289	0.49850	0.82000
47	14.457	0.95779	0.26447	0.38488	0.91900
49	18.911	1.1137	0.30798	0.44759	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PL/PD	PI/PTF	PI/PTP	X/DMAX
52	25.607	1.7124	0.47009	0.68411	0.42200
67	20.909	1.3786	0.39067	0.55398	0.67900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WORD	PI	PL/PD	PI/PTF	PI/PTP	X/DMAX
77	12.917	0.85580	0.23631	0.34389	0.50900
87	18.940	1.2151	0.39551	0.48824	0.59900
92	15.122	1.0018	0.27664	0.40258	0.67000

~~ADDITIONAL PRESSURE RATIOS , FUGGION SHROUD~~

AVD WORD	PI	PL/PD	PI/PTF	PI/PTP	X/DMAX
107	14.732	0.97600	0.26950	0.39220	-1.0000
112	14.672	0.97203	0.26841	0.39060	-1.0000
122	14.797	0.97435	0.26905	0.39153	-1.0000
127	14.967	0.99157	0.27380	0.39845	-1.0000
137	15.007	0.99427	0.27453	0.39952	-1.0000
142	15.037	0.99620	0.27508	0.40031	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PL/PD	PI/PTF	PI/PTP	X/DMAX
107	14.732	0.97600	0.26950	0.39220	0.39800
112	14.672	0.97203	0.26841	0.39060	0.43100
122	14.797	0.97435	0.26905	0.39153	0.44900
127	14.967	0.99157	0.27380	0.39845	0.48600
137	15.007	0.99427	0.27453	0.39952	0.52200
142	15.037	0.99620	0.27508	0.40031	0.58800
147	15.112	1.0012	0.27645	0.40231	1.0000
149	15.117	1.0015	0.27654	0.40244	1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN MODULE FLAP~~

AVD WORD	PI	PL/PD	PI/PTF	PI/PTP	X/DMAX
147	15.112	1.0012	0.27645	0.40231	1.0000
149	15.117	1.0015	0.27654	0.40244	1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PL/PD	PI/PTF	PI/PTP	X/DMAX
147	15.117	1.0015	0.27654	0.40244	0.79300
172	15.117	1.0015	0.27654	0.40244	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PL/PD	PI/PTF	PI/PTP	X/DMAX
182	14.872	0.98528	0.27206	0.39592	0.79300
187	14.527	0.96243	0.26575	0.38674	0.84400

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RUN26

WAS1-LEWIS PRELIMINARY DATE 06/14/79 CADRETT REC 10/25/75 DE:00:40.472 FAR 98481 PGM C034 PPG 1453

ADDITIONAL PRESSURE RATIOS , PRIMARY MISC

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	10.955	0.72375	0.18527	0.27182	0.72200
77	19.788	1.2743	0.32627	0.47858	0.82000
47	16.079	1.0622	0.27194	0.39897	0.91900
87	12.870	0.84753	0.21699	0.31936	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
47	27.340	1.8063	0.46239	0.67839	0.42200
87	21.997	1.4739	0.36649	0.53476	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	13.979	0.92029	0.23558	0.34563	0.50800
87	19.422	1.3990	0.35578	0.49189	0.58300
92	15.139	1.0302	0.25604	0.37565	0.67000

ADDITIONAL PRESSURE RATIOS , CORRECTION SHROUD

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	14.759	0.97511	0.24982	0.36622	-1.0000
-117	14.704	0.97148	0.24869	0.36496	-1.0000
-127	14.739	0.97379	0.24928	0.36573	-1.0000
-17	14.989	0.99030	0.25351	0.37193	-1.0000
-177	14.959	0.98969	0.25435	0.37217	-1.0000
-147	15.089	0.99691	0.25520	0.37441	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.759	0.97511	0.24982	0.36622	0.39800
117	14.704	0.97148	0.24869	0.36496	0.43100
127	14.739	0.97379	0.24928	0.36573	0.44900
177	14.989	0.99030	0.25351	0.37193	0.48600
17	15.079	0.99360	0.25435	0.37317	0.52200
147	15.089	0.99691	0.25520	0.37441	0.58800
157	15.139	0.99980	0.25590	0.37599	1.0000
167	15.129	0.99955	0.25587	0.37540	1.0000

ADDITIONAL PRESSURE RATIOS , PEN WITTE FLOW

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-157	15.129	0.99955	0.25586	0.37553	-1.0000
-157	15.129	0.99955	0.25587	0.37540	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
147	15.139	0.99980	0.25590	0.37593	0.79300
177	15.129	0.99955	0.25587	0.37540	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
187	14.949	0.98108	0.25114	0.36846	0.79300
197	14.474	0.95629	0.24480	0.35915	0.84400

RUN26

MESS-1 FMS PRELIMINARY DATA 06/14/79 CANNETT PFC 10/25/79 05:01:00.836 FAF 04461 PCN 0034 PNC 1554

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
32	11.002	0.72756	0.14516	0.27119	0.72200
37	19.373	1.2912	0.32805	0.47753	0.82000
47	16.145	1.0703	0.27239	0.39805	0.91900
49	12.671	0.87795	0.21726	0.31234	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
62	27.499	1.8185	0.46280	0.67787	0.42200
49	21.471	1.4266	0.36909	0.59173	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
77	13.986	0.92401	0.25538	0.34474	0.50800
47	19.432	1.2187	0.33440	0.49133	0.48900
92	15.150	1.0019	0.25498	0.37345	0.67000

ADDITIONAL PRESSURE RATIOS , EXETER ENDING

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
107	14.775	0.97713	0.24867	0.36421	-1.0000
112	14.730	0.97416	0.24791	0.36310	-1.0000
122	14.760	0.97614	0.24847	0.36394	-1.0000
127	15.070	0.99333	0.25279	0.37025	-1.0000
137	15.070	0.99663	0.25363	0.37148	-1.0000
147	15.115	0.99961	0.25439	0.37259	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
107	14.775	0.97713	0.24867	0.36421	0.39800
112	14.730	0.97416	0.24791	0.36310	0.43100
122	14.760	0.97614	0.24847	0.36394	0.44900
127	15.070	0.99333	0.25279	0.37025	0.48400
137	15.070	0.99663	0.25363	0.37148	0.52200
147	15.115	0.99961	0.25439	0.37259	0.58900
157	15.165	1.00229	0.25523	0.37382	1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
157	15.165	1.00229	0.25523	0.37382	-1.0000
157	15.165	1.0029	0.25523	0.37382	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOULDER LOCATION

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
167	15.165	1.0029	0.25523	0.37382	0.75300
177	15.165	1.0029	0.25523	0.37382	0.84600

ADDITIONAL PRESSURE RATIOS , 90 DEG SHOULDER LOCATION

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DHAX
187	14.645	0.98393	0.25010	0.36645	0.79300
197	14.600	0.9829	0.24988	0.36610	0.84400

RUN26

MASA-1 FWIC PRELIMINARY DATA 06/14/79 CANNETT REC 10/25/79 05:01:59.481 FAC 9XAV1 PCM 0034 000 1555

SAFETY JET PRESSURE RATIOS , PRIMARY PLUG

AVD WORN	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	10.559	0.67679	0.10250	0.27968	0.72200
37	18.856	1.2436	0.76397	0.49545	0.82000
47	14.518	0.95751	0.26480	0.38455	0.91000
92	16.912	1.1156	0.30841	0.44798	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORN	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
42	25.862	1.7057	0.47173	0.68504	0.42200
87	21.004	1.3893	0.38312	0.55637	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORN	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	12.953	0.85432	0.23627	0.34311	0.50000
82	18.381	1.2123	0.39927	0.48887	0.58300
92	15.175	1.0007	0.27675	0.40189	0.67000

~~ADDITIONAL PRESSURE RATIOS , EXHAUST MUFFLER~~

AVD WORN	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.788	0.97931	0.26973	0.39170	-1.0000
112	14.733	0.97168	0.26872	0.39024	-1.0000
127	14.738	0.97201	0.26881	0.39037	-1.0000
127	15.013	0.99014	0.27383	0.39765	-1.0000
137	15.263	0.99344	0.27474	0.39898	-1.0000
142	15.098	0.99575	0.27538	0.39940	-1.0000

ADDITIONAL PRESSURE RATIOS , EXHAUST MUFFLER

AVD WORN	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.788	0.97931	0.26973	0.39170	0.39900
112	14.733	0.97168	0.26872	0.39024	0.43100
127	14.738	0.97201	0.26881	0.39037	0.44900
127	15.013	0.99014	0.27383	0.39765	0.48600
137	15.263	0.99344	0.27474	0.39898	0.52200
142	15.098	0.99575	0.27538	0.39940	0.58800
147	15.175	1.0007	0.27675	0.40189	-1.0000
157	15.159	1.0004	0.27665	0.40176	1.0000

~~ADDITIONAL PRESSURE RATIOS , EXHAUST MUFFLER~~

AVD WORN	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
152	15.173	1.0007	0.27675	0.40189	-1.0000
157	15.168	1.0004	0.27665	0.40176	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SIMOUN LOCATION

AVD WORN	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.168	1.0004	0.27665	0.40176	0.79300
172	15.173	1.0007	0.27675	0.40189	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SIMOUN LOCATION

AVD WORN	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.948	0.98586	0.27266	0.39507	0.79300
187	14.407	0.94311	0.26675	0.38680	0.84400

RUN 26

WELL-15415 PRELIMINARY DATA 06/14/79 GADDFIT REC 10/25/79 05:02:51.019 FAF 445V1 PCW 0774 PDG 1556

>ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	9.0936	0.63017	0.19249	0.28228	0.72200
17	14.437	0.95286	0.30561	0.44816	0.82000
47	11.858	0.78264	0.25107	0.36810	0.91900
47	17.209	1.1798	0.38421	0.57410	1.0170

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	21.472	1.4436	0.46309	0.67497	0.42200
47	17.285	1.1409	0.38590	0.57658	0.67000

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.203	0.73942	0.23715	0.36778	0.50800
47	15.871	1.0479	0.35597	0.49768	0.58300
97	15.152	1.0000	0.32074	0.47025	0.67000

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER THROUGH

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.767	0.97463	0.31259	0.45840	-1.0000
-112	14.712	0.97103	0.31143	0.45670	-1.0000
-122	14.722	0.97166	0.31164	0.45701	-1.0000
-127	14.997	0.98980	0.31746	0.46554	-1.0000
-137	15.137	0.99244	0.31833	0.46678	-1.0000
-147	15.187	0.99574	0.31936	0.46833	-1.0000

>ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.767	0.97463	0.31259	0.45840	0.39800
112	14.712	0.97103	0.31143	0.45670	0.43100
122	14.722	0.97166	0.31164	0.45701	0.44900
127	14.997	0.98980	0.31746	0.46554	0.48600
137	15.137	0.99244	0.31833	0.46678	0.52200
147	15.187	0.99574	0.31936	0.46833	0.58800
-107	14.767	0.97463	0.31259	0.45840	0.39800
-112	14.712	0.97103	0.31143	0.45670	0.43100
-122	14.722	0.97166	0.31164	0.45701	0.44900
-127	14.997	0.98980	0.31746	0.46554	0.48600
-137	15.137	0.99244	0.31833	0.46678	0.52200
-147	15.187	0.99574	0.31936	0.46833	0.58800

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.152	1.0000	0.32074	0.47025	-1.0000
-157	15.152	1.0000	0.32074	0.47025	-1.0000

>ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.152	1.0000	0.32074	0.47025	0.79300
177	15.152	1.0000	0.32074	0.47025	0.84400

>ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.662	0.96770	0.31037	0.45514	0.79300
187	14.722	0.93867	0.30106	0.44149	0.84400

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RUN26

NAF1-LIMITS PRELIMINARY DATA 06/14/79 CANNETT REC 10/25/79 05:03:38.551 FAC AYAY1 PG4 0374 PPG 1557

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	7.6594	0.50725	0.18312	0.27032	0.72200
47	11.334	0.76865	0.27026	0.39896	0.82000
47	14.883	0.98564	0.35582	0.52525	0.91900
52	16.592	1.0988	0.39868	0.58556	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	19.200	1.2715	0.45903	0.67761	0.42200
67	15.138	1.0025	0.36191	0.53424	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	9.7495	0.64568	0.23309	0.34408	0.50800
82	18.889	1.7388	0.44977	0.69804	0.78300
82	15.118	1.0012	0.36143	0.53354	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.718	0.97472	0.35188	0.51948	-1.0000
-112	14.643	0.96975	0.35008	0.51678	-1.0000
-127	14.658	0.97079	0.34944	0.51731	-1.0000
-127	14.718	0.98796	0.35665	0.52660	-1.0000
-137	14.893	0.98928	0.35713	0.52710	-1.0000
-142	14.893	0.98630	0.35606	0.52560	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD IMFT

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.718	0.97472	0.35188	0.51948	0.39800
112	14.643	0.96975	0.35008	0.51678	0.43100
127	14.658	0.97079	0.34944	0.51731	0.44900
127	14.718	0.98796	0.35665	0.52660	0.48600
137	14.893	0.98928	0.35713	0.52710	0.52200
142	14.893	0.98630	0.35606	0.52560	0.58800
-107	14.718	0.97472	0.35188	0.51948	-1.0000
-107	15.123	1.0015	0.36155	0.53377	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.123	1.0015	0.36155	0.53377	-1.0000
-157	15.123	1.0015	0.36155	0.53377	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.138	1.0025	0.36191	0.53424	0.79300
172	15.133	1.0022	0.36179	0.53407	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.618	0.96810	0.34948	0.51590	0.79300
187	14.718	0.96167	0.33993	0.50179	0.84400

RUN26

MECA-LEWIS PRELIMINARY DATA 06/14/79 CAMDFII REC 10/25/79 05:04:35.222 FAC 98AXI PCM 0024 PPG 1558

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	11.979	0.79246	0.37635	0.54029	0.72200
37	15.138	1.0014	0.47559	0.68265	0.82000
47	15.848	1.0484	0.49789	0.71464	0.91900
57	16.143	1.0712	0.49872	0.73021	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	15.413	1.0196	0.49423	0.69505	0.42200
67	15.904	0.88400	0.41989	0.60264	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.619	0.87479	0.39645	0.56906	0.50800
87	15.792	1.1703	0.49869	0.60187	0.58300
92	15.153	1.0024	0.47606	0.68333	0.67000

~~ADDITIONAL PRESSURE RATIOS , EXHAUST INLET~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.714	0.97366	0.46240	0.66372	-1.0000
-117	14.614	0.96705	0.45926	0.65921	-1.0000
-122	14.603	0.96679	0.45879	0.65854	-1.0000
-127	14.478	0.98424	0.46743	0.67093	-1.0000
-137	14.959	0.98292	0.46680	0.67003	-1.0000
-147	14.628	0.96771	0.45958	0.65967	-1.0000

ADDITIONAL PRESSURE RATIOS , EXHAUST INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.714	0.97366	0.46240	0.66372	0.39800
117	14.614	0.96705	0.45926	0.65921	0.43100
122	14.603	0.96679	0.45879	0.65854	0.44900
127	14.478	0.98424	0.46743	0.67093	0.48600
137	14.959	0.98292	0.46680	0.67003	0.52200
147	14.628	0.96771	0.45958	0.65967	0.58800
157	15.138	1.0014	0.47559	0.68265	1.0000
167	15.143	1.0014	0.47575	0.68264	1.0000

~~ADDITIONAL PRESSURE RATIOS , EXHAUST FLOW~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	15.138	1.0014	0.47559	0.68265	-1.0000
-167	15.143	1.0014	0.47575	0.68264	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.143	1.0014	0.47575	0.68264	0.79300
177	15.153	1.0024	0.47606	0.68333	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.959	0.98953	0.46994	0.67454	0.79300
197	14.603	0.96606	0.45879	0.65854	0.84400

RUN 26

VASA-1 FMC PRELIMINARY DATA 07/14/79 CADDILLAC 10/25/79 CS: 76: 20.60" FAC 876X1 PGM 0074 POC 1559

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
17	4.8438	0.45043	0.19007	0.26382	1.72200
17	13.092	0.86167	0.34448	0.50468	0.82000
17	15.673	1.0313	0.41231	0.60406	0.91900
17	18.749	1.1724	0.46079	0.64566	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
17	17.588	1.576	0.46279	0.67801	0.42200
17	17.732	0.90376	0.46131	0.52933	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
17	8.5988	0.56594	0.27625	0.33147	0.50800
17	21.789	1.8711	0.57218	0.83822	0.58300
17	15.195	1.0001	0.39982	0.58577	0.67000

~~ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD~~

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.791	0.97089	0.38812	0.48883	-1.0000
112	14.661	0.96493	0.38576	0.56516	-1.0000
127	14.671	0.96998	0.38602	0.56554	-1.0000
127	14.954	0.98433	0.39351	0.57652	-1.0000
127	14.954	0.98433	0.39351	0.57652	-1.0000
147	14.971	0.97413	0.38944	0.57055	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.791	0.97089	0.38812	0.48883	0.39800
112	14.661	0.96493	0.38576	0.56516	0.43100
127	14.671	0.96998	0.38602	0.56554	0.45900
127	14.954	0.98433	0.39351	0.57652	0.48600
127	14.954	0.98433	0.39351	0.57652	0.52200
147	14.971	0.97413	0.38944	0.57055	0.58800
157	15.195	1.0001	0.39982	0.58577	1.0000
157	15.195	1.0001	0.39982	0.58577	-1.0000

~~ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.~~

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
157	15.195	1.0001	0.39982	0.58577	-1.0000
157	15.195	1.0001	0.39982	0.58577	1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
117	15.200	1.0004	0.39996	0.58596	0.79300
177	15.195	1.0001	0.39982	0.58577	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	14.971	0.97874	0.38128	0.57325	0.79300
187	14.671	0.96342	0.38116	0.55842	0.84400

RUN 26

MESS-1 FMS PRELIMINARY DATA 06/14/79 C/NOF11 SEC 10/25/79 05:37:32.18) FAC 956X1 PCM 0024 PPG 1560

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	14.434	0.95095	0.52284	0.75864	0.72200
17	15.159	1.0130	0.55747	0.80921	0.82000
17	15.633	1.0360	0.56962	0.82685	0.91900
92	19.999	1.0486	0.97891	0.83488	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	15.124	0.99864	0.54895	0.79684	0.42200
92	19.898	0.98812	0.93118	0.77105	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.135	0.86717	0.47678	0.69208	0.50800
92	19.999	1.1179	0.91440	0.89188	0.98300
92	15.184	1.0224	0.55112	0.80000	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.744	0.97338	0.53517	0.77684	-1.0000
-112	14.654	0.96764	0.53190	0.77210	-1.0000
-122	14.664	0.96819	0.53227	0.77263	-1.0000
-127	14.934	0.98591	0.54206	0.78684	-1.0000
-137	14.919	0.98402	0.54151	0.78605	-1.0000
-147	14.724	0.97206	0.53444	0.77579	-1.0000

ADDITIONAL PRESSURE RATIOS , FORERUN INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.744	0.97338	0.53517	0.77684	0.39800
112	14.654	0.96764	0.53190	0.77210	0.43100
122	14.664	0.96819	0.53227	0.77263	0.44900
127	14.934	0.98591	0.54206	0.78684	0.48600
137	14.919	0.98402	0.54151	0.78605	0.52200
147	14.724	0.97206	0.53444	0.77579	0.58800
152	15.179	1.0021	0.54904	0.79974	1.0000
157	15.184	1.0224	0.55112	0.80000	-1.0000

ADDITIONAL PRESSURE RATIOS , FOR NOZZLE PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.179	1.0021	0.54904	0.79974	-1.0000
-157	15.184	1.0224	0.55112	0.80000	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.169	1.0214	0.55058	0.79921	0.79300
172	15.169	1.0214	0.55058	0.79921	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	15.024	0.99185	0.54532	0.79158	0.79300
187	14.694	0.97008	0.53335	0.77421	0.84400

RUN26

WASP-LEWIS PRELIMINARY DATA 04/14/79 CENDEF1 PFC 10/25/79 05:40:34.742 FAC 00000000 PGW 0034 POC 1561

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PL	PI / PN	PI / PTF	PI / PTP	X / DMAX
17	13.554	0.95242	0.52229	0.88503	0.72200
17	13.934	0.97911	0.53603	0.91394	0.92300
47	14.309	0.99073	0.54328	0.92476	0.91900
67	14.194	0.99739	0.54694	0.93099	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI / PN	PI / PTF	PI / PTP	X / DMAX
62	13.739	0.96542	0.52941	0.90114	0.42200
67	13.804	0.96993	0.52421	0.90230	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI / PN	PI / PTF	PI / PTP	X / DMAX
77	12.125	0.85355	0.46642	0.79353	0.50800
87	12.994	1.0029	0.49933	1.0202	0.98300
87	14.259	1.7010	0.54945	0.93525	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER~~

AVD WORD	PL	PI / PN	PI / PTF	PI / PTP	X / DMAX
107	14.229	0.99984	0.54829	0.93329	-1.0000
112	14.219	0.99917	0.54791	0.93263	-1.0000
122	14.214	0.99878	0.54771	0.93230	-1.0000
127	14.224	0.99949	0.54810	0.93296	-1.0000
137	14.189	0.99703	0.54675	0.93066	-1.0000
142	14.079	0.99930	0.54251	0.92345	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI / PN	PI / PTF	PI / PTP	X / DMAX
107	14.229	0.99984	0.54829	0.93329	0.39800
112	14.219	0.99917	0.54791	0.93263	0.43100
122	14.214	0.99878	0.54771	0.93230	0.44900
127	14.224	0.99949	0.54810	0.93296	0.48000
137	14.189	0.99703	0.54675	0.93066	0.52200
142	14.079	0.99930	0.54251	0.92345	0.58800
152	14.269	1.00720	0.54983	0.93591	-1.0000
157	14.269	1.00726	0.54983	0.93591	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FORWARD INLET~~

AVD WORD	PL	PI / PN	PI / PTF	PI / PTP	X / DMAX
152	14.269	1.00726	0.54983	0.93591	-1.0000
157	14.269	1.00726	0.54983	0.93591	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI / PN	PI / PTF	PI / PTP	X / DMAX
187	14.269	1.00726	0.54983	0.93591	0.79300
172	14.274	1.0030	0.55002	0.93624	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI / PN	PI / PTF	PI / PTP	X / DMAX
187	13.654	0.95944	0.52814	0.89548	0.79300
187	13.559	0.95277	0.52248	0.88535	0.84400

RUN 26

PGM 0026

PGM 0026

PGM 0026

PGM 10/25/79 08:41:36.922

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ADDITIONAL PRESSURE RATIOS, PPTMPTD PING

AVN WPRN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
32	12.663	0.99084	0.42254	0.71311	0.72200
37	13.853	0.97299	0.40163	0.77909	0.82000
47	14.245	1.0013	0.47545	0.80241	0.91000
52	14.499	1.0114	0.48713	0.81936	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVN WPRN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
62	13.510	0.94960	0.45092	0.76100	0.42200
64	13.845	0.92214	0.42854	0.72297	0.61000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVN WPRN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
77	11.760	0.82656	0.39249	0.66240	0.50800
82	16.940	1.14894	0.54594	0.92042	0.59900
82	14.250	1.0016	0.47562	0.80249	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER WPRN

AVN WPRN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
107	14.295	0.99466	0.47412	0.80015	1.00000
112	14.195	0.99775	0.47379	0.79959	1.00000
122	14.199	0.99760	0.47362	0.79931	1.00000
127	14.203	0.99810	0.47385	0.79987	1.00000
137	14.159	0.99459	0.47228	0.79905	1.00000
142	14.230	0.99615	0.46928	0.79029	1.00000
147	14.249	1.00220	0.47412	0.80325	1.00000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER IMPT

AVN WPRN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
107	14.295	0.99466	0.47412	0.80015	0.39900
112	14.195	0.99775	0.47379	0.79959	0.43100
122	14.199	0.99760	0.47362	0.79931	0.44900
127	14.203	0.99810	0.47385	0.79987	0.44600
137	14.159	0.99459	0.47228	0.79705	0.52200
142	14.230	0.99615	0.46928	0.79029	0.58800
147	14.249	1.00220	0.47412	0.80325	1.00000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER IMPT

AVN WPRN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
152	14.265	1.00227	0.47412	0.80353	1.00000
157	14.263	1.0023	0.47506	0.80375	1.00000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD INCLINATION

AVN WPRN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
147	14.245	1.00227	0.47412	0.80353	0.79300
172	14.269	1.0023	0.47506	0.80325	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD INCLINATION

AVN WPRN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
182	13.540	0.95452	0.45376	0.76694	0.79300
187	13.545	0.96643	0.46042	0.75846	0.84400

RUN26

NACA-LEWIS PRELIMINARY DATA 06/14/79 CADDIE REF 10/25/79 05:42:17.011 FSC 45621 PCN 036 POC 1563

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	7.1445	0.51235	0.10092	0.13061	0.12200
37	12.690	0.89160	0.15482	0.10276	0.12000
47	14.112	0.99213	0.139483	0.17077	0.91000
47	16.715	1.0367	0.41175	0.69968	1.3170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	14.275	1.0337	0.39945	0.17857	0.42200
67	11.501	0.80864	0.32181	0.54668	3.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	7.9749	0.56074	0.22215	0.37908	0.50800
82	20.308	1.0068	0.99988	0.99107	0.58300
92	14.233	1.0006	0.39819	0.17643	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR CHAMBER

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.140	0.99709	0.19679	0.17409	-1.0000
-112	14.173	0.99835	0.19651	0.17358	-1.0000
-127	14.172	0.99835	0.19651	0.17358	-1.0000
-127	14.180	0.99705	0.19679	0.17405	-1.0000
-137	14.145	0.99659	0.19581	0.17239	-1.0000
-147	14.253	0.98791	0.19315	0.16787	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.180	0.99705	0.19679	0.17405	0.59800
112	14.173	0.99835	0.19651	0.17358	0.43100
127	14.170	0.99835	0.19691	0.17398	0.44900
127	14.180	0.99705	0.19679	0.17405	0.48600
137	14.145	0.99659	0.19581	0.17239	0.52200
147	14.253	0.98791	0.19315	0.16787	0.58800
-107	14.245	1.0018	0.19881	0.17714	-1.0000
-147	14.245	1.0020	0.19879	0.17738	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-147	14.245	1.0018	0.19881	0.17714	-1.0000
-147	14.253	1.0020	0.19875	0.17738	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.245	1.0018	0.19881	0.17714	0.79300
177	14.245	1.0016	0.19861	0.17714	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.535	0.05171	0.17874	0.16240	0.79300
197	13.383	0.04981	0.17641	0.16093	0.84400

RUN26

NASA-LEWIS PRELIMINARY DATA 7/14/77 C807F11 REF 13/25/77 05:42:51.593

FAC 8X6X1

PCN 0076

PDC 1564

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
17	6.7206	0.47153	0.17123	0.29151	0.72200
17	12.657	0.76777	0.27155	0.46220	0.82000
17	17.928	0.97723	0.35687	0.60615	0.91500
17	18.878	1.0493	0.47058	0.66622	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
17	15.738	1.1042	0.40098	0.64266	0.42200
17	13.098	0.91829	0.33047	0.50772	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.9910	0.63092	0.22911	0.39004	0.50800
17	14.393	1.0040	0.30449	0.52128	0.58500
17	14.218	0.99758	0.26226	0.61673	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR THROUGH

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.148	0.99337	0.36073	0.61413	-1.0000
117	14.158	0.99337	0.36073	0.61413	-1.0000
127	14.143	0.99231	0.36035	0.61248	-1.0000
127	14.168	0.99407	0.36099	0.61456	-1.0000
137	14.128	0.99126	0.35997	0.61283	-1.0000
147	14.063	0.98670	0.35831	0.61001	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.158	0.99337	0.36073	0.61413	0.39800
117	14.158	0.99337	0.36073	0.61413	0.43100
127	14.143	0.99231	0.36035	0.61248	0.44900
127	14.168	0.99407	0.36099	0.61456	0.48600
137	14.128	0.99126	0.35997	0.61283	0.52200
147	14.063	0.98670	0.35831	0.61001	0.58800
157	14.233	0.99863	0.36251	0.61738	-1.0000
167	14.238	0.99878	0.36251	0.61716	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.233	0.99863	0.36251	0.61738	-1.0000
167	14.238	0.99878	0.36251	0.61716	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.238	0.99878	0.36251	0.61738	0.79300
177	14.233	0.99863	0.36251	0.61738	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.443	0.96320	0.34251	0.58311	0.79300
197	13.743	0.99917	0.33742	0.57444	0.84400

RUN26

NASA-Lewis PRELIMINARY DATA 06/14/79 CANNETT PFC 10/25/79 05:43:20.394 FFC 0X6X1 PGM 0334 PGC 1565

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
22	7.6267	0.53492	0.17254	0.29507	0.72200
27	12.333	0.91386	0.29477	0.50411	0.82000
47	13.246	0.71964	0.23180	0.35642	0.91900
92	14.733	1.0754	0.74689	0.59372	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	17.745	1.2446	0.43146	0.68657	0.42200
67	14.813	1.0590	0.33912	0.47312	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	10.786	0.72845	0.23497	0.40183	0.50800
82	14.893	1.0818	0.33603	0.47467	0.59300
87	14.730	0.99656	0.32145	0.54973	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER SHROUD~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.139	0.99126	0.31986	0.54702	-1.0000
112	14.134	0.99131	0.31975	0.54683	-1.0000
122	14.134	0.99131	0.31975	0.54683	-1.0000
127	14.154	0.99271	0.32020	0.54760	-1.0000
137	14.114	0.98990	0.31930	0.54606	-1.0000
142	14.074	0.98710	0.31840	0.54451	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
127	14.139	0.99126	0.31986	0.54702	0.39800
112	14.134	0.99131	0.31975	0.54683	0.43100
122	14.134	0.99131	0.31975	0.54683	0.44900
127	14.154	0.99271	0.32020	0.54760	0.48600
137	14.114	0.98990	0.31930	0.54606	0.52200
142	14.074	0.98710	0.31840	0.54451	0.58800
152	14.224	0.99761	0.32179	0.55031	-1.0000
157	14.224	0.99761	0.32179	0.55031	-1.0000

~~ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.224	0.99761	0.32179	0.55031	-1.0000
157	14.224	0.99761	0.32179	0.55031	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.224	0.99761	0.32179	0.55031	0.79300
172	14.229	0.99796	0.32190	0.55150	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.398	0.93979	0.33314	0.51842	0.79300
187	13.109	0.92530	0.35839	0.51333	0.84400

RUN26

VASA-IEMIS PRELIMINARY DATA 06/14/79 CANNETT RFC 10/25/79 OF:46:00.937 F&T 9X6X1 PCM C734 PNG 1566

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	9.6291	0.63556	0.16816	0.23967	0.72200
37	15.393	1.0592	0.29414	0.50667	0.82000
47	12.754	0.89504	0.24855	0.42814	0.91900
52	19.488	1.0799	0.29988	0.51657	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	20.550	1.4422	0.40049	0.68986	0.42200
67	17.097	1.1998	0.33319	0.57394	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.209	0.85680	0.23793	0.40985	0.50800
82	17.232	1.2772	0.33524	0.57747	0.98300
92	14.194	0.99606	0.27110	0.47647	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.114	0.99045	0.27504	0.47378	-1.0090
-112	14.109	0.99010	0.27495	0.47362	-1.0000
-122	14.104	0.98975	0.27486	0.47345	-1.0000
-127	14.129	0.99150	0.27534	0.47429	-1.0000
-137	14.099	0.98939	0.27475	0.47328	-1.0000
-142	14.054	0.98624	0.27388	0.47177	-1.0780

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.114	0.99045	0.27504	0.47378	0.39800
112	14.109	0.99010	0.27495	0.47362	0.43100
122	14.104	0.98975	0.27486	0.47345	0.44900
127	14.129	0.99150	0.27534	0.47429	0.48100
137	14.099	0.98939	0.27475	0.47328	0.52200
142	14.054	0.98624	0.27388	0.47177	0.58800
-152	14.224	0.99816	0.27719	0.47748	1.0000
-157	14.229	0.99851	0.27729	0.47774	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.224	0.99816	0.27719	0.47748	-1.0000
-157	14.229	0.99851	0.27729	0.47774	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.224	0.99816	0.27719	0.47748	0.79300
172	14.224	0.99816	0.27719	0.47748	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.454	0.94415	0.26219	0.45164	0.79300
187	13.229	0.92836	0.25780	0.44408	0.84400

RUN16

VECT-1 FMTS PRELIMINARY DATA 06/14/79 CADDIT DEC 10/25/79 05:47:03.443 FAC RWAY1 PCM 034 PDC 1567

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	14.175	1.1341	0.27277	0.46551	0.82000
77	14.175	1.1341	0.27277	0.46551	0.82000
77	14.175	1.1341	0.27277	0.46551	0.82000
77	14.175	1.1341	0.27277	0.46551	0.82000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	14.175	1.1341	0.27277	0.46551	0.82000
77	14.175	1.1341	0.27277	0.46551	0.82000
77	14.175	1.1341	0.27277	0.46551	0.82000
77	14.175	1.1341	0.27277	0.46551	0.82000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	14.175	1.1341	0.27277	0.46551	0.82000
77	14.175	1.1341	0.27277	0.46551	0.82000
77	14.175	1.1341	0.27277	0.46551	0.82000
77	14.175	1.1341	0.27277	0.46551	0.82000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000

ADDITIONAL PRESSURE RATIOS, EJECTOR INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000

ADDITIONAL PRESSURE RATIOS, EJECTOR PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000
112	14.175	1.1341	0.27277	0.46551	0.82000

RUN26

DATE-TIME: 00:00:00 DATE: 01/14/79 CADDSET: REC 10/25/79 05:47:32.023 FSC 88681 RCM 0036 PPG 1568

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAV
77	14.113	0.15163	0.15511	0.27120	0.72200
77	14.113	0.15163	0.15511	0.27120	0.72200
67	14.113	0.15163	0.15511	0.27120	0.72200
97	14.113	0.15163	0.15511	0.27120	0.72200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAV
77	14.113	0.15163	0.15511	0.27120	0.72200
67	14.113	0.15163	0.15511	0.27120	0.72200
97	14.113	0.15163	0.15511	0.27120	0.72200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAV
77	14.113	0.15163	0.15511	0.27120	0.72200
67	14.113	0.15163	0.15511	0.27120	0.72200
97	14.113	0.15163	0.15511	0.27120	0.72200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER S.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAV
137	14.113	0.15163	0.15511	0.27120	0.72200
117	14.113	0.15163	0.15511	0.27120	0.72200
127	14.113	0.15163	0.15511	0.27120	0.72200
127	14.113	0.15163	0.15511	0.27120	0.72200
127	14.113	0.15163	0.15511	0.27120	0.72200
147	14.113	0.15163	0.15511	0.27120	0.72200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAV
107	14.113	0.15163	0.15511	0.27120	0.72200
117	14.113	0.15163	0.15511	0.27120	0.72200
127	14.113	0.15163	0.15511	0.27120	0.72200
127	14.113	0.15163	0.15511	0.27120	0.72200
127	14.113	0.15163	0.15511	0.27120	0.72200
147	14.113	0.15163	0.15511	0.27120	0.72200
157	14.113	0.15163	0.15511	0.27120	0.72200
157	14.113	0.15163	0.15511	0.27120	0.72200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER S.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAV
157	14.113	0.15163	0.15511	0.27120	0.72200
157	14.113	0.15163	0.15511	0.27120	0.72200

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAV
147	14.113	0.15163	0.15511	0.27120	0.72200
177	14.113	0.15163	0.15511	0.27120	0.72200

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAV
187	14.113	0.15163	0.15511	0.27120	0.72200
197	14.113	0.15163	0.15511	0.27120	0.72200

RUN26

NASA-Lewis PRELIMINARY DATA 06/14/79 CANNETT PFC 10/25/79 05:48:24.697 FAC AXAVI PGM C034 PDG 1569

ADDITIONAL PRESSURE RATIOS , PRIMARY MISC

AVG WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
22	8.6160	0.67424	0.16814	0.29900	0.77200
27	14.951	1.0485	0.29176	0.50149	0.82000
47	17.766	0.89533	0.24913	0.42822	0.91900
57	15.395	1.0797	0.29045	0.51641	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVG WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
42	23.553	1.4414	0.40110	0.68941	0.42200
47	17.220	1.2076	0.33609	0.57760	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVG WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	12.091	0.84797	0.23596	0.40558	0.50800
82	17.140	1.2720	0.37449	0.57492	0.58300
87	14.206	0.99626	0.27723	0.47651	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVG WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.126	0.99066	0.27567	0.47382	-1.0000
112	14.111	0.98960	0.27538	0.47332	-1.0000
122	14.111	0.98960	0.27538	0.47332	-1.0000
127	14.141	0.99171	0.27596	0.47433	-1.0000
137	14.106	0.98975	0.27528	0.47315	-1.0000
142	14.061	0.98610	0.27440	0.47164	-1.0000

ADDITIONAL PRESSURE RATIOS , ENGINE INLET

AVG WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.126	0.99066	0.27567	0.47382	0.39800
112	14.111	0.98960	0.27538	0.47332	0.43100
122	14.111	0.98960	0.27538	0.47332	0.44900
127	14.141	0.99171	0.27596	0.47433	0.48600
137	14.106	0.98975	0.27528	0.47315	0.52200
142	14.061	0.98610	0.27440	0.47164	0.58800
152	14.236	0.99837	0.27782	0.47751	-1.0000
157	14.236	0.99837	0.27782	0.47751	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVG WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
152	14.236	0.99837	0.27782	0.47751	-1.0000
157	14.236	0.99837	0.27782	0.47751	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
147	14.236	0.99837	0.27782	0.47751	0.79300
177	14.236	0.99837	0.27782	0.47751	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVG WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	12.466	0.94438	0.26278	0.45169	0.79300
192	12.256	0.92966	0.25870	0.44465	0.84400

RUN21

NASA-LFWIS PRELIMINARY DATA 06/14/79 CANNELL REF 10/25/79 05:49:33.000 FAC 98AX1 PCM 0024 PPG 1570

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	7.6501	1.53617	0.17266	0.29431	0.72200
37	13.146	0.92139	0.29669	0.59574	0.82000
47	10.254	0.71880	0.27147	0.39454	0.61900
57	19.330	1.7744	0.34999	0.58978	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	17.864	1.2520	0.40218	0.68727	0.42200
42	14.899	1.0436	0.33696	0.57286	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	10.406	0.72937	0.23485	0.40033	0.50800
82	14.825	1.0391	0.33469	0.57036	0.58300
92	14.205	0.99562	0.32061	0.54651	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.155	0.99177	0.31937	0.54440	-1.0000
117	14.130	0.99037	0.31892	0.54363	-1.0000
127	14.130	0.99037	0.31892	0.54363	-1.0000
127	14.155	0.99177	0.31937	0.54440	-1.0000
137	14.115	0.98932	0.31858	0.54305	-1.0000
147	14.075	0.98651	0.31767	0.54151	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.150	0.99177	0.31937	0.54440	0.39900
117	14.130	0.99037	0.31892	0.54363	0.43100
127	14.130	0.99037	0.31892	0.54363	0.44900
127	14.150	0.99177	0.31937	0.54440	0.48600
137	14.115	0.98932	0.31858	0.54305	0.52200
147	14.075	0.98651	0.31767	0.54151	0.58800
157	14.275	0.99707	0.32106	0.54778	-1.0000
157	14.230	0.99737	0.32117	0.54747	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.225	0.99707	0.32106	0.54778	-1.0000
157	14.230	0.99737	0.32117	0.54747	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.230	0.99737	0.32117	0.54747	0.79300
177	14.230	0.99737	0.32117	0.54747	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.394	0.93187	0.30233	0.51536	0.79300
197	12.184	0.92415	0.29759	0.50728	0.84400

RUN26

NASA-Lewis Preliminary Data 06/14/79 CADDIT REF 10/25/79 05:40:48.835 FAC 3X6V1 PG# 0334 PPG 1571

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
37	6.7531	0.47345	0.17134	0.29230	0.72200
17	10.713	0.75105	0.27191	0.46348	0.82000
57	13.876	0.97283	0.35207	0.66062	0.91900
97	14.975	1.0429	0.37747	0.64386	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
62	15.770	1.1363	0.40037	0.44300	0.42200
87	13.111	0.91923	0.33267	0.56751	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	9.0581	0.63506	0.22093	0.39207	0.50800
87	13.981	0.99078	0.34408	0.48698	0.58300
92	14.216	0.99665	0.36069	0.61531	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.148	0.99289	0.35917	0.61271	-1.0000
-112	14.151	0.99210	0.35904	0.61250	-1.0000
-127	14.146	0.99174	0.35891	0.61228	-1.0000
-127	14.166	0.99315	0.35942	0.61315	-1.0000
-137	14.131	0.99069	0.35853	0.61163	-1.0000
-147	14.066	0.98614	0.35689	0.60882	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.156	0.99245	0.35917	0.61271	0.39800
112	14.151	0.99210	0.35904	0.61250	0.43100
127	14.146	0.99174	0.35891	0.61228	0.44900
127	14.166	0.99315	0.35942	0.61315	0.48600
137	14.131	0.99069	0.35853	0.61163	0.52200
147	14.066	0.98614	0.35689	0.60882	0.58800
-157	14.236	0.99805	0.36120	0.61617	-1.0000
-157	14.236	0.99805	0.36120	0.61617	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-157	14.236	0.99805	0.36120	0.61617	-1.0000
-157	14.236	0.99805	0.36120	0.61617	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.236	0.99805	0.36120	0.61617	0.79300
177	14.236	0.99805	0.36120	0.61617	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	13.441	0.94235	0.34194	0.58179	0.79300
197	13.246	0.92860	0.32600	0.57335	0.84400

RUN 16

NASA-Lewis PRELIMINARY DATA 06/14/79 CANNELL REC 10/25/79 05:50:14.762 FAC 3XAVI PG# 0974 PPG 1572

ADDITIONAL PRESSURE RATIOS ; PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	7.0400	0.49349	0.19700	0.33506	0.72200
37	12.714	0.89137	0.35581	0.60517	0.82000
47	14.130	0.90048	0.39540	0.67249	0.91900
42	14.729	1.0777	0.41204	0.70080	1.0170

ADDITIONAL PRESSURE RATIOS ; FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	14.245	0.99853	0.39861	0.67706	0.42200
47	11.491	0.89947	0.32154	0.54688	0.87000

ADDITIONAL PRESSURE RATIOS ; FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	9.0403	0.56362	0.22500	0.38267	0.50800
82	20.136	1.4115	0.44348	0.95857	0.58300
92	14.225	0.99713	0.39805	0.67701	0.67000

ADDITIONAL PRESSURE RATIOS ; EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.135	0.99363	0.39666	0.67463	-1.0000
-112	14.165	0.99203	0.39638	0.67416	-1.0000
-122	14.160	0.99358	0.39624	0.67392	-1.0000
-127	14.180	0.99398	0.39680	0.67487	-1.0000
-137	14.140	0.99118	0.39568	0.67297	-1.0000
-142	14.060	0.98557	0.39344	0.66916	-1.0000

ADDITIONAL PRESSURE RATIOS ; EJECTOR INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.175	0.99363	0.39666	0.67463	0.39800
112	14.165	0.99203	0.39638	0.67416	0.43100
122	14.160	0.99358	0.39624	0.67392	0.44000
127	14.180	0.99398	0.39680	0.67487	0.48600
137	14.140	0.99118	0.39568	0.67297	0.52200
142	14.060	0.98557	0.39344	0.66916	0.58900
-107	14.135	0.99363	0.39666	0.67463	1.0000
-112	14.165	0.99203	0.39638	0.67416	1.0000

ADDITIONAL PRESSURE RATIOS ; FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-142	14.245	0.99853	0.39861	0.67796	-1.0000
-157	14.240	0.99818	0.39847	0.67772	-1.0000

ADDITIONAL PRESSURE RATIOS ; 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.240	0.99818	0.39847	0.67772	0.79300
177	14.245	0.99853	0.39861	0.67796	0.84400

ADDITIONAL PRESSURE RATIOS ; 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
102	13.540	0.94013	0.37889	0.64442	0.79300
107	13.375	0.93757	0.37428	0.63657	0.84400

VASE-LEWIS PRELIMINARY DATA

06/14/79

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REC 10/25/79 05:51:30.656

FAC MAXI

PGM 0034

PG 1572

RUN26

ADDITIONAL PRESSURE RATIOS, PRIMARY PIUG

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	12.633	0.88435	0.41909	0.71077	0.72200
37	13.472	0.96728	0.45856	0.77763	0.82000
47	14.247	0.99701	0.47263	0.80153	0.91900
52	14.477	1.0131	0.48026	0.81446	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
42	13.497	0.94385	0.44743	0.75879	0.42200
47	17.793	0.89324	0.42439	0.71971	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	11.718	0.82004	0.38874	0.65926	0.50800
82	18.459	1.1912	0.44473	0.82549	0.98300
92	14.247	0.99701	0.47263	0.80153	0.67000

ADDITIONAL PRESSURE RATIOS, EXHAUST SHROUD

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.202	0.99386	0.47114	0.79900	-1.0000
-112	14.192	0.99316	0.47081	0.79843	-1.0000
-122	14.192	0.99316	0.47081	0.79843	-1.0000
-127	14.192	0.99316	0.47081	0.79843	-1.0000
-137	14.192	0.99316	0.47081	0.79843	-1.0000
-142	14.192	0.99316	0.47081	0.79843	-1.0000
-147	14.192	0.99316	0.47081	0.79843	-1.0000

ADDITIONAL PRESSURE RATIOS, EXHAUST INLET

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.202	0.99386	0.47114	0.79900	0.39800
112	14.192	0.99316	0.47081	0.79843	0.43100
122	14.192	0.99316	0.47081	0.79843	0.44900
127	14.192	0.99316	0.47081	0.79843	0.48600
137	14.192	0.99316	0.47081	0.79843	0.52200
142	14.192	0.99316	0.47081	0.79843	0.58800
147	14.192	0.99316	0.47081	0.79843	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE PLATE

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-152	14.257	0.99771	0.47296	0.80209	-1.0000
-157	14.257	0.99806	0.47313	0.80237	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.262	0.99806	0.47313	0.80237	0.79300
172	14.262	0.99826	0.47313	0.80237	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
182	13.592	0.95050	0.45059	0.76416	0.79300
187	13.462	0.94219	0.44661	0.75739	0.84400

RUN26

NACA-LEWIS PRELIMINARY DATA 06/14/79 CANNETT REC 10/25/79 05:51:44.258 FAC RT6X1 PGM C374 PNC 1974

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	13.579	0.95031	0.52547	0.89642	0.72203
37	13.994	0.97484	0.43020	0.91984	0.82000
47	14.394	0.98533	0.54500	0.92974	0.91900
42	14.174	0.98102	0.54848	0.93968	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	13.739	0.96123	0.53166	0.90697	0.42200
57	13.614	0.95246	0.52082	0.89979	0.67003

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.394	0.84616	0.46802	0.79842	0.50800
87	14.978	1.0899	0.50282	1.0784	0.58330
07	14.258	0.99756	0.55177	0.94128	0.67000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.228	0.99567	0.55083	0.93931	-1.0000
-112	14.218	0.99477	0.55022	0.93865	-1.0000
-122	14.218	0.99477	0.55022	0.93865	-1.0000
-127	14.218	0.99477	0.55022	0.93865	-1.0000
-137	14.183	0.99232	0.54887	0.93634	-1.0000
-142	14.374	0.98463	0.54461	0.92908	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.228	0.99567	0.55061	0.93931	0.39800
112	14.218	0.99477	0.55022	0.93865	0.43100
122	14.218	0.99477	0.55022	0.93865	0.44900
127	14.218	0.99477	0.55022	0.93865	0.48600
137	14.183	0.99232	0.54887	0.93634	0.52200
142	14.374	0.98463	0.54461	0.92908	0.58800
-147	14.248	0.99874	0.55216	0.94104	1.0000
-157	14.373	0.98861	0.55235	0.94327	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.268	0.99826	0.55216	0.94104	-1.0000
-157	14.373	0.99861	0.55235	0.94327	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.268	0.99826	0.55216	0.94194	0.79300
177	14.268	0.99826	0.55216	0.94194	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.654	0.95526	0.52837	0.90137	0.79300
187	13.549	0.94791	0.52431	0.89444	0.84400

RUN26

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ADDITIONAL PRESSURE RATIOS, PRIMARY MUG

AVN WPN	PL	PI / P0	PI / PTF	PI / PTP	X / DMAX
12	13.579	0.94982	0.52502	0.89860	0.72200
13	13.934	0.97463	0.54284	0.92187	0.82000
14	14.393	1.08512	0.56867	0.93178	0.91900
15	14.169	1.09106	0.55198	0.93767	1.01170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVN WPN	PL	PI / P0	PI / PTF	PI / PTP	X / DMAX
12	13.739	0.96101	0.53525	0.90808	0.42200
13	13.609	0.99197	0.53019	0.90048	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVN WPN	PL	PI / P0	PI / PTF	PI / PTP	X / DMAX
12	12.115	0.84743	0.47190	0.80154	0.50800
13	12.997	1.0882	0.80808	1.0293	0.98700
14	14.253	1.99700	0.55529	0.94302	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTION SUBNO

AVN WPN	PL	PI / P0	PI / PTF	PI / PTP	X / DMAX
12	14.274	0.99929	0.88433	0.84137	-1.0000
13	14.213	0.99420	0.85373	0.84037	-1.0000
14	14.213	0.98467	0.84373	0.84037	-1.0000
15	14.218	0.99455	0.85393	0.84071	-1.0000
16	14.218	0.99246	0.84276	0.83872	-1.0000
17	14.378	0.98477	0.84868	0.83125	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVN WPN	PL	PI / P0	PI / PTF	PI / PTP	X / DMAX
12	14.220	0.99525	0.84432	0.84137	0.39800
13	14.213	0.99420	0.85373	0.84037	0.43100
14	14.213	0.99420	0.84432	0.84037	0.68900
15	14.218	0.99455	0.85393	0.84071	0.48600
16	14.218	0.99246	0.84276	0.83872	0.52200
17	14.378	0.98477	0.84868	0.83125	0.58800
18	14.263	0.99339	0.84432	0.84037	0.68900
19	14.263	0.99339	0.84432	0.84037	0.68900

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE ELAB

AVN WPN	PL	PI / P0	PI / PTF	PI / PTP	X / DMAX
12	14.258	0.99735	0.84432	0.84137	-1.0000
13	14.263	0.99770	0.85568	0.84335	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUN INCLINATION

AVN WPN	PL	PI / P0	PI / PTF	PI / PTP	X / DMAX
12	14.259	0.99735	0.85568	0.84335	0.79300
13	14.263	0.99770	0.85568	0.84335	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHROUN INCLINATION

AVN WPN	PL	PI / P0	PI / PTF	PI / PTP	X / DMAX
12	13.654	0.95507	0.53194	0.80334	0.79300
13	13.654	0.95507	0.53194	0.80334	0.84400

RUN26

NASA-LEWIS PRELIMINARY DATA 06/14/79 CANNF11 REF 10/25/79 05:55:12.232 FAC 884X1 PG# 0034 PG# 1576

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	12.697	0.88687	0.42484	0.71783	0.72200
37	11.921	0.96612	0.46281	0.78197	0.82000
47	14.226	0.99443	0.47635	0.80484	0.91900
47	14.498	1.0109	0.48409	0.81784	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	12.507	0.94412	0.45227	0.76417	0.42200
67	12.982	0.89009	0.45070	0.72772	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.783	0.82367	0.39497	0.66667	0.50800
82	10.239	1.1391	0.54974	0.91879	0.98900
92	14.741	0.99544	0.47686	0.80571	0.67000

ADDITIONAL PRESSURE RATIOS , PJCTER SHROUD

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.201	0.99265	0.47552	0.80345	-1.0000
-112	14.186	0.99160	0.47502	0.80260	-1.0000
-122	14.176	0.99091	0.47468	0.80204	-1.0000
-127	14.196	0.99230	0.47595	0.80317	-1.0000
-137	14.151	0.98914	0.47385	0.80062	-1.0000
-142	14.021	0.98008	0.46550	0.79328	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.201	0.99265	0.47552	0.80345	0.39800
112	14.186	0.99160	0.47502	0.80260	0.43100
122	14.176	0.99091	0.47468	0.80204	0.44900
127	14.196	0.99230	0.47535	0.80317	0.48600
137	14.151	0.98914	0.47385	0.80062	0.52200
142	14.021	0.98008	0.46550	0.79328	0.58800
-107	14.201	0.99265	0.47552	0.80345	-1.0000
-112	14.186	0.99160	0.47502	0.80260	-1.0000
-122	14.176	0.99091	0.47468	0.80204	-1.0000
-127	14.196	0.99230	0.47535	0.80317	-1.0000
-137	14.151	0.98914	0.47385	0.80062	-1.0000
-142	14.021	0.98008	0.46550	0.79328	-1.0000

ADDITIONAL PRESSURE RATIOS , PAY NOZZLE PLUG

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.251	0.99614	0.47719	0.80627	-1.0000
-157	14.246	0.99579	0.47702	0.80599	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.251	0.99614	0.47719	0.80627	0.79300
177	14.251	0.99614	0.47719	0.80627	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.572	0.94866	0.45445	0.76784	0.79300
187	13.457	0.94063	0.45060	0.76125	0.84400

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VASA-1 FWH PRELIMINARY DATA 06/14/79 CADDREII

REF 10/25/79 05:57:12.627

FAC 286V1

PCW 0326

ODF 1577

RUN26

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	5.9627	0.41764	0.16613	0.28221	0.72200
37	17.791	0.89589	0.35637	0.60537	0.87000
67	16.335	1.7147	0.39538	0.67844	0.91900
57	16.879	1.7622	0.41455	0.70621	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
12	14.325	1.0733	0.39910	0.67706	0.42200
17	11.522	0.80699	0.42100	0.54530	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
17	8.9128	0.56123	0.22325	0.37924	0.50800
27	20.129	1.4099	0.46087	0.95268	0.98300
97	14.220	0.99597	0.39618	0.67300	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTION SHROUD

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.170	0.99247	0.39578	0.67063	-1.0000
112	14.155	0.99142	0.39437	0.66993	-1.0000
127	14.195	0.99182	0.39437	0.66993	-1.0000
137	14.170	0.99247	0.39478	0.67063	-1.0000
147	14.130	0.98967	0.39367	0.66874	-1.0000
157	14.340	0.99337	0.39117	0.66449	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.170	0.99247	0.39478	0.67063	0.39900
112	14.155	0.99142	0.39437	0.66993	0.43100
127	14.195	0.99182	0.39437	0.66993	0.45700
137	14.170	0.99247	0.39478	0.67063	0.43200
147	14.130	0.98967	0.39367	0.66874	0.52200
157	14.235	0.99337	0.39117	0.66449	0.58800
167	14.235	0.99337	0.39117	0.66449	1.0000
177	14.235	0.99337	0.39117	0.66449	1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
157	14.235	0.99337	0.39117	0.66449	-1.0000
167	14.235	0.99337	0.39117	0.66449	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.235	0.99337	0.39117	0.66449	0.79300
177	14.240	0.99737	0.39673	0.67394	0.84600

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORN	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	13.535	0.96403	0.37711	0.64060	0.79300
197	13.365	0.93613	0.37237	0.63256	0.84400

RUN 26

VASA-LEWIS PRELIMINARY DATA 06/14/79 CADDREII REF 10/25/79 05:59:55.299 FAC 986V1 PG# 0024 PPG 1578

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	12.947	0.90666	0.50325	0.73496	0.72200
47	13.771	0.97996	0.54150	0.79082	0.82900
67	14.271	0.99974	0.55470	0.81010	0.91900
87	14.478	1.0137	0.56266	0.82177	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
52	13.716	0.96052	0.53315	0.77863	0.42200
67	13.177	0.92275	0.51218	0.74901	0.87000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.373	0.84545	0.46927	0.68534	0.50800
87	15.519	1.0968	0.69929	0.89097	0.58300
92	14.241	0.99725	0.55353	0.80839	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.271	0.99445	0.55198	0.80613	-1.0000
112	14.196	0.99410	0.55178	0.80584	-1.0000
122	14.191	0.99375	0.55159	0.80556	-1.0000
127	14.271	0.99445	0.55198	0.80613	-1.0000
137	14.164	0.99200	0.55062	0.80414	-1.0000
147	14.261	0.99466	0.54654	0.79819	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.271	0.99445	0.55198	0.80613	0.39800
112	14.196	0.99410	0.55178	0.80584	0.43100
122	14.191	0.99375	0.55159	0.80556	0.44900
127	14.271	0.99445	0.55198	0.80613	0.48600
137	14.164	0.99200	0.55062	0.80414	0.52200
147	14.261	0.99466	0.54654	0.79819	0.58800
157	14.271	0.99445	0.55198	0.80613	1.0000
167	14.271	0.99445	0.55198	0.80613	1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.266	0.99747	0.55373	0.80868	-1.0000
167	14.256	0.99830	0.55411	0.80924	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.251	0.99705	0.55352	0.80896	0.79300
177	14.251	0.99705	0.55352	0.80896	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.676	0.95772	0.53159	0.77636	0.79300
197	13.532	0.95108	0.52791	0.77097	0.84400

RUN26

NASA-LEWIS PRELIMINARY DATA 06/14/79 CANNETT DEC 10/25/79 06:11:16.471 FAC AV6V1 RGN 0314 RNC 1570

SPONTANEOUS PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	10.524	0.73699	0.35173	0.50391	0.72200
37	13.652	0.95607	0.45628	0.65371	0.82000
47	14.431	1.0107	0.48234	0.69103	0.91900
52	14.771	1.0246	0.49269	0.70727	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	14.321	1.0030	0.47866	0.68577	0.42200
67	12.098	0.86443	0.40201	0.57738	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
71	11.698	0.81924	0.39098	0.56015	0.50800
82	16.185	1.1339	0.54099	0.77500	0.58200
92	14.236	0.99701	0.47582	0.68170	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-117	14.181	0.99316	0.47399	0.67907	-1.0000
-112	14.166	0.99211	0.47349	0.67835	-1.0000
-127	14.181	0.99178	0.47332	0.67811	-1.0000
-127	14.181	0.99316	0.47399	0.67907	-1.0000
-137	14.131	0.98968	0.47232	0.67688	-1.0000
-142	14.002	0.98056	0.46797	0.67046	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.181	0.99316	0.47399	0.67907	0.39800
112	14.166	0.99211	0.47349	0.67835	0.43100
127	14.181	0.99178	0.47332	0.67811	0.44900
127	14.131	0.99316	0.47399	0.67907	0.48600
137	14.131	0.98968	0.47232	0.67688	0.52200
142	14.002	0.98056	0.46797	0.67046	0.58800
152	14.246	0.99791	0.47616	0.68218	1.0000
157	14.241	0.99736	0.47606	0.68104	1.0000

ADDITIONAL PRESSURE RATIOS , PDP WOPD PLUG

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.246	0.99791	0.47616	0.68218	-1.0000
-157	14.241	0.99736	0.47606	0.68104	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.241	0.99736	0.47599	0.68104	0.79300
177	14.241	0.99736	0.47599	0.68104	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.557	0.84942	0.45211	0.64916	0.79300
197	13.427	0.84022	0.44877	0.64294	0.84400

54

RUN 16

NASA-LEWIS PRELIMINARY DATA 06/14/79 CANNETT REC 10/25/79 06:02:06.006 FAR 946X1 PG# 0324 ENG 1500

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	6.4652	0.45263	0.18108	0.26189	0.72200
17	9.9990	0.69229	0.27699	0.40057	0.82000
47	14.158	0.90120	0.30655	0.57350	0.91900
67	19.227	1.0887	0.42648	0.61679	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	16.665	1.1667	0.46675	0.67503	0.42200
47	12.979	0.90999	0.36940	0.52556	0.67300

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	7.9545	0.55690	0.22279	0.32221	0.50800
97	20.144	1.4103	0.36821	0.81998	0.98300
92	14.238	0.99470	0.39795	0.57553	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.143	0.99089	0.39641	0.57330	-1.0000
-112	14.143	0.99015	0.39613	0.57290	-1.0000
-122	14.139	0.99990	0.39599	0.57269	-1.0000
-127	14.153	0.99085	0.39641	0.57330	-1.0000
-137	14.113	0.98806	0.39529	0.57168	-1.0000
-142	14.023	0.98176	0.39277	0.56804	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.153	0.99085	0.39641	0.57330	0.39800
112	14.143	0.99015	0.39613	0.57290	0.43100
122	14.139	0.99990	0.39599	0.57269	0.44900
127	14.153	0.99085	0.39641	0.57330	0.48400
137	14.113	0.98806	0.39529	0.57168	0.52200
142	14.023	0.98176	0.39277	0.56804	0.58900
152	14.218	0.99549	0.39823	0.57593	1.0000
157	14.223	0.99575	0.39837	0.57613	1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.218	0.99549	0.39823	0.57593	-1.0000
-157	14.223	0.99575	0.39837	0.57613	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.223	0.99575	0.39837	0.57613	0.79300
172	14.229	0.99610	0.39851	0.57634	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.419	0.93946	0.37585	0.54357	0.79300
197	13.234	0.92657	0.37067	0.53608	0.84400

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ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
27	7.7545	0.57899	0.18401	0.26940	0.72200
37	10.622	0.74527	0.25947	0.39444	0.82900
47	13.143	0.92356	0.33289	0.48887	0.91900
57	15.737	1.0686	0.39537	0.56549	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER T.O.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	18.196	1.2766	0.46154	0.67571	0.42200
77	14.772	1.0999	0.36333	0.53227	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.9732	0.62957	0.22761	0.33323	0.50800
87	13.787	0.88420	0.34838	0.51036	0.83000
97	14.192	0.99572	0.35998	0.52707	0.67000

~~ADDITIONAL PRESSURE RATIOS , EXHAUST SHROUD~~

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.132	0.99152	0.35866	0.52480	-1.0000
112	14.127	0.99117	0.35833	0.52462	-1.0000
127	14.117	0.99047	0.35808	0.52429	-1.0000
127	14.142	0.99222	0.35871	0.52517	-1.0000
137	14.102	0.98947	0.35770	0.52369	-1.0000
147	14.742	0.98521	0.35618	0.52147	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.132	0.99152	0.35866	0.52480	0.39800
112	14.127	0.99117	0.35833	0.52462	0.43100
127	14.117	0.99047	0.35808	0.52429	0.46900
127	14.142	0.99222	0.35871	0.52517	0.48600
137	14.102	0.98947	0.35770	0.52369	0.52200
147	14.742	0.98521	0.35618	0.52147	0.58800
157	14.712	0.99712	0.36049	0.52777	1.0000
167	14.712	0.99712	0.36049	0.52777	1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP~~

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.712	0.99712	0.36049	0.52777	-1.0000
167	14.712	0.99712	0.36049	0.52777	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.712	0.99712	0.36049	0.52777	0.79300
177	14.712	0.99712	0.36049	0.52777	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	13.258	0.93021	0.33630	0.49235	0.79300
177	13.737	0.91277	0.32997	0.48308	0.84400

RUN26

TEST-1 UNIT PRELIMINARY DATA 06/14/79 CADDIE PFC 10/25/79 06:03:58.213 FAC RV6V1 PGM C226 PDS 1582

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.4261	0.59116	0.19001	0.29045	0.72200
17	13.851	0.97180	0.31735	0.46102	0.82000
47	13.894	0.76433	0.24567	0.36260	0.91900
97	19.974	1.0327	0.39121	0.51837	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
47	20.385	1.4374	0.45975	0.67858	0.42200
97	16.164	1.1340	0.38449	0.53798	0.87000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	10.355	0.72648	0.23350	0.34464	0.50900
97	14.819	1.0394	0.39409	0.49310	0.58300
97	14.701	0.99632	0.32024	0.47266	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVG WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.136	0.99177	0.31877	0.47050	-1.0000
-112	14.126	0.99107	0.31855	0.47017	-1.0000
-122	14.121	0.99072	0.31843	0.47000	-1.0000
-127	14.146	0.99247	0.31900	0.47083	-1.0000
-137	14.106	0.98967	0.31810	0.46950	-1.0000
-147	14.771	0.99721	0.31731	0.46834	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVG WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.136	0.99177	0.31877	0.47050	0.39800
112	14.126	0.99107	0.31855	0.47017	0.43100
122	14.121	0.99072	0.31843	0.47000	0.44900
127	14.146	0.99247	0.31900	0.47083	0.48600
137	14.106	0.98967	0.31810	0.46950	0.52200
147	14.771	0.99721	0.31731	0.46834	0.58800
157	14.221	0.99772	0.32069	0.47332	-1.0000
157	14.771	0.99772	0.32069	0.47332	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	14.221	0.99772	0.32069	0.47332	-1.0000
-157	14.771	0.99772	0.32069	0.47332	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.221	0.99772	0.32069	0.47332	0.79300
177	14.224	0.99877	0.32080	0.47340	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVG WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.397	0.93921	0.30188	0.44566	0.79300
187	13.167	0.92379	0.29692	0.43825	0.84400

ORIGINAL PAGE IS
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RUN26

WASH-LEWIS PRELIMINARY DATA 06/14/79 CARRETT REC 10/25/79 06:04:52.222 FAC 00001 DSM 0074 DDC 1583

SECTIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	9.7941	0.49139	0.18890	0.27548	0.72203
77	17.224	1.2774	0.37529	0.48807	0.82333
67	13.759	0.96825	0.28843	0.39146	0.91909
77	16.079	0.98857	0.27408	0.39068	1.0170

SECTIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	23.989	1.6944	0.46697	0.49101	0.42200
77	19.276	1.3907	0.37426	0.44980	0.67003

SECTIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.117	0.45079	0.23586	0.34397	0.50800
77	17.189	1.2786	0.37426	0.44980	0.98300
92	14.149	0.99633	0.27620	0.40280	0.67000

SECTIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-127	14.134	0.99034	0.27499	0.39739	-1.0000
-112	14.099	0.98940	0.27425	0.40025	-1.0000
-127	14.099	0.98928	0.27478	0.39997	-1.0000
-127	14.119	0.99130	0.27484	0.40082	-1.0000
-137	14.099	0.98959	0.27408	0.39968	-1.0000
-147	14.044	0.98613	0.27338	0.39869	-1.0000

SECTIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.104	0.99034	0.27499	0.40039	0.39800
112	14.099	0.98940	0.27445	0.40025	0.43100
127	14.099	0.98928	0.27478	0.39997	0.44900
127	14.119	0.99130	0.27484	0.40082	0.48600
137	14.079	0.98859	0.27408	0.39968	0.52200
147	14.044	0.98613	0.27338	0.39869	0.58800
157	14.219	0.99840	0.27679	0.40365	1.0000
157	14.219	0.99840	0.27679	0.40365	-1.0000

SECTIONAL PRESSURE RATIOS , EJECTOR NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	14.219	0.99840	0.27679	0.40365	-1.0000
-157	14.219	0.99840	0.27679	0.40365	-1.0000

SECTIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.219	0.99840	0.27679	0.40365	0.79300
177	14.214	0.99805	0.27649	0.40351	0.84400

SECTIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	13.445	0.94564	0.28211	0.38225	0.79300
187	13.260	0.93108	0.28812	0.37643	0.84400

RUN26

MASS-Lewis PRELIMINARY DATA 06/14/79 CANNELL REC 10/25/79 06:06:06.870 FAC 8X4V1 PCW 0024 PPG 1584

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	10.830	0.76095	0.18220	0.26547	0.72200
37	16.384	1.1512	0.27563	0.40171	0.82000
47	16.834	1.1827	0.28319	0.41263	0.91900
52	12.314	0.86919	0.27716	0.37184	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	27.590	1.0385	0.46414	0.67629	0.42200
67	21.168	1.4879	0.29810	0.51884	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	14.002	0.98380	0.23556	0.34322	0.50800
82	14.994	0.9999	0.23918	0.48839	0.48200
92	14.182	0.99644	0.23858	0.34763	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.082	0.98942	0.23690	0.34518	-1.0000
117	14.172	0.98872	0.23673	0.34494	-1.0000
127	14.072	0.98877	0.23673	0.34494	-1.0000
127	14.107	0.99117	0.23732	0.34579	-1.0000
137	14.072	0.98872	0.23673	0.34494	-1.0000
142	14.047	0.98696	0.23631	0.34432	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.082	0.98942	0.23690	0.34518	0.39800
117	14.072	0.98872	0.23673	0.34494	0.43100
127	14.072	0.98877	0.23673	0.34494	0.44900
127	14.107	0.99117	0.23732	0.34579	0.48600
137	14.072	0.98872	0.23673	0.34494	0.52200
142	14.047	0.98696	0.23631	0.34432	0.58800
152	14.217	0.98889	0.23917	0.34849	1.0000
157	14.222	0.98924	0.23925	0.34861	1.0000

~~ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP~~

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
152	14.217	0.98889	0.23917	0.34849	-1.0000
157	14.222	0.98924	0.23925	0.34861	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.222	0.98924	0.23925	0.34861	0.79300
172	14.222	0.98924	0.23925	0.34861	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.283	0.93327	0.22346	0.32559	0.79300
187	12.778	0.91187	0.21833	0.31812	0.84400

RUN26

NACA-LEWIS PRELIMINARY DATA 76/14/79 CANNETT REC 10/25/79 06:06:28.729 FIC 8Y6X1 PG4 C034 PPG 1585

ADDITIONAL PRESSURE RATIOS , PRIMARY PILE

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	10.856	0.76194	0.18227	0.26612	0.72200
37	16.411	1.1518	0.27552	0.40227	0.82000
47	16.995	1.1865	0.28382	0.41430	0.91960
52	17.355	0.86713	0.20743	0.30285	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	27.627	1.9390	0.46384	0.67722	0.42200
77	27.210	1.4986	0.35609	0.51990	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	14.033	0.98492	0.23561	0.34399	0.50800
82	19.996	1.8006	0.33708	0.48918	0.58300
92	14.193	0.90544	0.23812	0.34767	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.379	0.98808	0.23636	0.34510	-1.0000
112	14.078	0.98808	0.23636	0.34510	-1.0000
122	14.078	0.98808	0.23636	0.34510	-1.0000
127	14.108	0.99018	0.23686	0.34583	-1.0000
137	14.379	0.98779	0.23628	0.34497	-1.0000
147	14.043	0.98562	0.23577	0.34424	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.078	0.98808	0.23636	0.34510	0.39900
112	14.078	0.98808	0.23636	0.34510	0.43100
122	14.379	0.98808	0.23636	0.34510	0.44900
127	14.108	0.99018	0.23686	0.34583	0.48600
137	14.079	0.98779	0.23628	0.34497	0.52200
147	14.043	0.98562	0.23577	0.34424	0.58800
152	14.219	0.99209	0.23871	0.34852	-1.0000
157	14.223	0.99274	0.23879	0.34865	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.219	0.99209	0.23871	0.34852	-1.0000
157	14.223	0.99274	0.23879	0.34865	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.223	0.99274	0.23879	0.34865	0.79300
177	14.213	0.99754	0.23862	0.34840	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	13.294	0.92234	0.22203	0.32963	0.79300
197	12.774	0.91060	0.21783	0.31804	0.84400

RUN26

NASA-LEWIS PRELIMINARY DATA 06/14/79 CANNETT REC 10/25/79 06:08:32.542 FAC 00001 PGW 0734 RDC 1586

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
72	9.6829	0.67958	0.18893	0.27540	0.72200
77	17.788	1.2137	0.33729	0.49169	0.82000
47	13.720	0.96291	0.26771	0.39022	0.91907
67	13.992	0.76966	0.21370	0.31150	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
72	23.933	1.6797	0.46699	0.69071	0.42200
67	19.279	1.5531	0.37617	0.5432	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.077	0.77743	0.21614	0.31505	0.53000
67	15.469	1.0923	0.30367	0.44264	0.59700
92	14.194	0.99621	0.27696	0.40272	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.110	0.99025	0.27531	0.40130	-1.0000
-112	14.100	0.99955	0.27511	0.40102	-1.0000
-122	14.095	0.99929	0.27502	0.40087	-1.0000
-127	14.120	0.99096	0.27550	0.40158	-1.0000
-137	14.095	0.99850	0.27482	0.40059	-1.0000
-147	14.145	0.98570	0.27404	0.39945	-1.0000

ADDITIONAL PRESSURE RATIOS , SUPERNOV INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.110	0.99025	0.27531	0.40130	0.39800
112	14.100	0.99955	0.27511	0.40102	0.43100
122	14.095	0.99929	0.27502	0.40087	0.44900
127	14.120	0.99096	0.27550	0.40158	0.48600
137	14.095	0.99850	0.27482	0.40059	0.52200
147	14.145	0.98570	0.27404	0.39945	0.58800
-107	14.110	0.99025	0.27531	0.40130	1.0000
-112	14.100	0.99955	0.27511	0.40102	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.214	0.99767	0.27735	0.40628	-1.0000
-157	14.219	0.99797	0.27745	0.40643	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.219	0.99797	0.27745	0.40643	0.79300
177	14.219	0.99797	0.27745	0.40643	0.84433

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.465	0.94503	0.26273	0.37297	0.79300
187	13.740	0.97925	0.25835	0.37658	0.84403

ADDITIONAL PRESSURE RATINGS, PRIMARY INLET

AVN WREN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
107	14.185	0.99452	0.31980	0.28690	0.72200
112	14.125	0.99371	0.31100	0.28618	0.72200
127	14.115	0.99298	0.30608	0.28675	0.72200
142	14.075	0.99862	0.31147	0.28625	0.72200

ADDITIONAL PRESSURE RATINGS, FLOW SPLITTER I.D.

AVN WREN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
107	14.223	0.99825	0.31986	0.28695	0.72200
112	14.125	0.99807	0.31100	0.28618	0.72200
127	14.115	0.99774	0.30608	0.28675	0.72200
142	14.075	0.99862	0.31147	0.28625	0.72200

ADDITIONAL PRESSURE RATINGS, FLOW SPLITTER O.D.

AVN WREN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
107	14.258	0.99825	0.31986	0.28695	0.72200
112	14.125	0.99807	0.31100	0.28618	0.72200
127	14.115	0.99774	0.30608	0.28675	0.72200
142	14.075	0.99862	0.31147	0.28625	0.72200

ADDITIONAL PRESSURE RATINGS, FLOW SPLITTER I.D.

AVN WREN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
107	14.185	0.99452	0.31980	0.28690	0.72200
112	14.125	0.99371	0.31100	0.28618	0.72200
127	14.115	0.99298	0.30608	0.28675	0.72200
142	14.075	0.99862	0.31147	0.28625	0.72200

ADDITIONAL PRESSURE RATINGS, FLOW SPLITTER O.D.

AVN WREN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
107	14.185	0.99452	0.31980	0.28690	0.72200
112	14.125	0.99371	0.31100	0.28618	0.72200
127	14.115	0.99298	0.30608	0.28675	0.72200
142	14.075	0.99862	0.31147	0.28625	0.72200

ADDITIONAL PRESSURE RATINGS, FLOW SPLITTER I.D.

AVN WREN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
107	14.223	0.99825	0.31986	0.28695	0.72200
112	14.125	0.99807	0.31100	0.28618	0.72200
127	14.115	0.99774	0.30608	0.28675	0.72200
142	14.075	0.99862	0.31147	0.28625	0.72200

ADDITIONAL PRESSURE RATINGS, 20 DEG SHRIMP INLET

AVN WREN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
107	14.223	0.99825	0.31986	0.28695	0.72200
112	14.125	0.99807	0.31100	0.28618	0.72200
127	14.115	0.99774	0.30608	0.28675	0.72200
142	14.075	0.99862	0.31147	0.28625	0.72200

ADDITIONAL PRESSURE RATINGS, 20 DEG SHRIMP INLET

AVN WREN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
107	14.223	0.99825	0.31986	0.28695	0.72200
112	14.125	0.99807	0.31100	0.28618	0.72200
127	14.115	0.99774	0.30608	0.28675	0.72200
142	14.075	0.99862	0.31147	0.28625	0.72200

RUN26

WES-LEWIS PRELIMINARY DATA 06/14/79 CANNETT REC 10/25/79 05:05:42.157

FAC 8V6M1

PCN 0334

ONG 1588

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
11	7.2489	0.51084	0.18532	0.27123	0.72260
12	17.682	0.76865	0.27159	0.39750	0.82000
13	13.155	0.92195	0.33446	0.48952	0.91900
14	18.743	1.0687	0.39754	0.56720	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	19.189	1.2748	0.46245	0.67684	0.42200
13	14.334	1.0748	0.56887	0.53338	0.67500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
11	9.0882	0.63694	0.23106	0.33819	0.50800
12	13.879	0.99421	0.44852	0.40717	0.58300
13	14.199	0.95111	0.36100	0.52836	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
111	14.139	0.99091	0.35947	0.52613	-1.0000
112	14.129	0.99021	0.35922	0.52576	-1.0000
121	14.129	0.99021	0.35922	0.52576	-1.0000
122	14.154	0.99194	0.35986	0.52669	-1.0000
131	14.114	0.98916	0.35884	0.52520	-1.0000
141	14.054	0.98496	0.35732	0.52297	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.139	0.99091	0.35947	0.52613	0.39800
112	14.129	0.99021	0.35922	0.52576	0.43100
122	14.129	0.99021	0.35922	0.52576	0.44900
127	14.154	0.99194	0.35986	0.52669	0.48600
137	14.114	0.98916	0.35884	0.52520	0.52700
147	14.054	0.98496	0.35732	0.52297	0.58800
152	14.224	0.99686	0.36163	0.52929	-1.0000
157	14.224	0.99686	0.36163	0.52929	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.224	0.99686	0.36163	0.52929	-1.0000
157	14.224	0.99686	0.36163	0.52929	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
117	14.224	0.99686	0.36163	0.52929	0.79300
127	14.224	0.99686	0.36163	0.52929	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.275	0.93935	0.32751	0.49398	0.79300
197	13.320	0.91250	0.33103	0.49450	0.84400

ORIGINAL PAGE IS
OF POOR QUALITY

RUN26

MASS-FLOW PRELIMINARY DATA 3/16/79 CADDEII REC 10/25/79 06:11:47.500 EAC 076W1 PG# 0314 PG 1599

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	10.467	1.73325	0.74490	0.49984	0.72203
27	17.423	0.95441	0.45152	0.75027	0.82000
47	14.437	1.0114	0.47850	0.68049	0.91903
72	16.792	1.0763	0.49025	0.70647	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVD WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	14.358	1.0358	0.47586	0.68548	0.42200
27	17.745	0.84386	0.39927	0.57524	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVD WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.631	0.81479	0.38547	0.55544	0.50800
87	18.717	1.1430	0.44077	0.77916	0.98300
92	14.228	0.99674	0.47155	0.67947	0.67000

~~ADDITIONAL PRESSURE RATIOS , FAN MOTOR~~

AVD WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.178	0.99324	0.46990	0.67709	-1.0000
117	14.168	0.99254	0.46957	0.67661	-1.0000
127	14.163	0.99219	0.46940	0.67637	-1.0000
127	14.173	0.99289	0.46973	0.67685	-1.0000
137	14.128	0.98974	0.46824	0.67471	-1.0000
142	13.998	0.98065	0.46794	0.66850	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.178	0.99324	0.46990	0.67709	0.39800
112	14.168	0.99254	0.46957	0.67661	0.43100
127	14.163	0.99219	0.46940	0.67637	0.44900
127	14.173	0.99289	0.46973	0.67685	0.48600
137	14.128	0.98974	0.46824	0.67471	0.52200
142	13.998	0.98065	0.46794	0.66850	0.58800
147	14.238	0.99799	0.47205	0.68019	-1.0000
147	14.243	0.99779	0.47205	0.68019	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN MOTOR FLOW~~

AVD WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.238	0.99799	0.47205	0.68019	-1.0000
147	14.243	0.99779	0.47205	0.68019	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.243	0.99779	0.47205	0.68019	0.79300
177	14.743	0.99779	0.47205	0.68019	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	17.549	0.94916	0.44904	0.64704	0.79300
187	17.474	0.94941	0.44490	0.64108	0.84400

RUN26

VACA-I FMS PRELIMINARY DATA 06/14/79 CADDIE REF 17/25/79 06:12:42.303

FAC RX6V1

PGM C034

P0G 1590

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
22	12.951	0.93648	0.57142	0.73156	0.72700
27	13.944	0.97604	0.57999	0.78770	0.82000
47	14.285	0.99982	0.55205	0.80689	0.91900
92	14.494	1.0185	0.56117	0.81874	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	13.740	0.96171	0.53197	0.77614	0.42200
87	13.186	0.92291	0.51051	0.74482	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.377	0.84529	0.46757	0.68218	0.50800
82	12.488	0.8841	0.49869	0.67487	0.58300
92	14.245	0.99702	0.55150	0.80463	0.67000

ADDITIONAL PRESSURE RATIOS , OFFSET SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-102	14.219	0.99482	0.55078	0.80294	-1.0000
-112	14.205	0.99422	0.54995	0.80237	-1.0000
-122	14.200	0.99387	0.54976	0.80209	-1.0000
-127	14.210	0.99457	0.55015	0.80265	-1.0000
-137	14.179	0.99178	0.54860	0.80040	-1.0000
-147	14.060	0.98408	0.54435	0.79419	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.215	0.99492	0.55034	0.80294	0.39800
112	14.205	0.99422	0.54995	0.80237	0.43100
122	14.200	0.99387	0.54976	0.80209	0.44900
127	14.210	0.99457	0.55015	0.80265	0.48600
137	14.179	0.99178	0.54860	0.80040	0.52200
147	14.060	0.98408	0.54435	0.79419	0.58800
152	14.260	0.99887	0.55208	0.80548	1.0000
157	14.265	0.99842	0.55227	0.80576	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.260	0.99887	0.55208	0.80548	-1.0000
-157	14.265	0.99842	0.55227	0.80576	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.260	0.99887	0.55208	0.80548	0.79300
172	14.265	0.99842	0.55227	0.80576	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.685	0.95787	0.52984	0.77202	0.79300
187	13.675	0.95018	0.52559	0.76633	0.84400

DATA-LEVEL PRELIMINARY DATA 06/14/79 CADDREI REC 10/25/79 06:14:30.493 FAC 00001 PGM C134 ENG 1501

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
52	8.4749	0.45417	0.18099	0.26204	0.72700
57	9.8920	0.69397	0.27654	0.40037	0.82000
67	14.159	0.99312	0.39577	0.57299	0.91900
82	15.717	1.0674	0.42535	0.61593	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
52	16.685	1.1703	0.46640	0.67524	0.42200
67	12.989	0.91089	0.36797	0.52549	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	7.9893	0.56939	0.22332	0.32332	0.50000
87	20.139	1.4123	0.58284	0.81488	0.98300
92	14.213	0.99697	0.39731	0.57521	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SURROUND~~

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.169	0.99382	0.39609	0.57339	-1.0000
-112	14.154	0.99277	0.39563	0.57279	-1.0000
-127	14.154	0.99277	0.39563	0.57279	-1.0000
-127	14.164	0.99347	0.39591	0.57319	-1.0000
-137	14.124	0.99067	0.39479	0.57197	-1.0000
-142	14.134	0.99436	0.39228	0.56794	-1.0000

ADDITIONAL PRESSURE RATIOS , FOPEROV INLET

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.169	0.99382	0.39609	0.57339	0.39800
112	14.154	0.99277	0.39563	0.57279	0.43100
127	14.154	0.99277	0.39563	0.57279	0.44900
127	14.164	0.99347	0.39591	0.57319	0.48600
137	14.124	0.99067	0.39479	0.57197	0.52200
142	14.134	0.99436	0.39228	0.56794	0.59800
-142	14.134	0.99436	0.39228	0.56794	-1.0000
-142	14.134	0.99436	0.39228	0.56794	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP~~

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-152	14.233	0.99837	0.39786	0.57602	-1.0000
-157	14.233	0.99837	0.39786	0.57602	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
142	14.233	0.99837	0.39786	0.57602	0.79300
157	14.233	0.99837	0.39786	0.57602	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
142	13.419	0.96127	0.37511	0.54308	0.79300
157	13.225	0.92761	0.36567	0.53520	0.84400

RUN26

NASA-LENIS PRELIMINARY DATA 06/14/70 CANNETT REC 10/25/70 06:16:29.786 FAC 04XVI PCM 0024 PPG 1592

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
72	8.7366	0.47179	0.17132	0.29157	0.72200
77	10.699	0.74904	0.27199	0.46290	0.82000
87	13.499	0.97322	0.35244	0.60151	0.91900
92	14.477	1.0419	0.37834	0.64388	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
72	15.751	1.1031	0.40057	0.48172	0.42200
87	13.379	0.91595	0.33262	0.56609	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.9862	0.62934	0.22853	0.38892	0.50800
87	13.448	0.98983	0.35217	0.49934	0.98300
92	14.238	0.99502	0.36131	0.61491	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.149	0.99047	0.35966	0.61210	-1.0000
112	14.138	0.99012	0.35953	0.61189	-1.0000
122	14.138	0.99012	0.35953	0.61189	-1.0000
127	14.153	0.99117	0.35992	0.61254	-1.0000
137	14.123	0.98907	0.35915	0.61124	-1.0000
142	14.158	0.99452	0.35750	0.60843	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.149	0.99047	0.35966	0.61210	0.39800
112	14.138	0.99012	0.35953	0.61189	0.43100
122	14.138	0.99012	0.35953	0.61189	0.44900
127	14.153	0.99117	0.35992	0.61254	0.48600
137	14.123	0.98907	0.35915	0.61124	0.52200
142	14.158	0.99452	0.35750	0.60843	0.56800
152	14.218	0.99572	0.36157	0.61535	-1.0000
157	14.223	0.99607	0.36169	0.61554	-1.0000

~~ADDITIONAL PRESSURE RATIOS , CAN NOZZLE PLUG~~

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.218	0.99572	0.36157	0.61535	-1.0000
157	14.223	0.99607	0.36169	0.61554	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.223	0.99607	0.36169	0.61554	0.79300
172	14.223	0.99607	0.36169	0.61554	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.423	0.94009	0.34137	0.58047	0.74200
192	13.208	0.92505	0.32591	0.57167	0.84400

MESE-LEWIS PRELIMINARY DATA CRUDE-11 FACILITY WKKX1
TIME AND DATE PROCESSED 22:26:14 JUN 14 1970

PROGRAM F024 PDGS 1593 TO 1653

Run 27

NOZZLE TYPE ----- P/W ROSE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS ----- TAKEOFF
NOZZLE CONFIGURATION ----- C3
PRIMARY-NOZZLE PLUG ----- SPLIT PLUG (EXTENDED)
FLOW SPLITTED ----- ISENTROPIC SPLITTED
FAN NOZZLE ----- SHORT FLAP
FLAMMABLE POSITION ----- 15 DEG
EJECTOR INLET OPENING ----- MINIMUM

RNG	NO	PTE/PYO	PTE/PO	PYP/PO	OMEGA	PYS/PYE	COP	COP	CEI	ETAI	ETAI,INT	CEPI	CEP2	59
1499	0.029	1.72	1.82	1.04	0.000	0.944	0.971	1.287	0.9631	0.9631	0.9631	0.9631	0.9644	0.0000
1504	0.033	1.69	2.10	1.24	0.000	0.471	0.967	1.102	0.9599	0.9599	0.9599	0.9599	0.9624	0.0000
1505	0.047	1.70	2.49	1.45	0.000	0.398	0.967	1.033	0.9376	0.9376	0.9376	0.9376	0.9408	0.0000
1506	0.051	1.71	2.74	1.62	0.000	0.356	0.970	0.989	0.9318	0.9318	0.9318	0.9318	0.9340	0.0000
1507	0.052	1.71	3.09	1.81	0.000	0.319	0.969	0.972	0.9315	0.9315	0.9315	0.9315	0.9343	0.0000
1508	0.055	1.72	3.59	2.00	0.000	0.277	0.972	0.970	0.9451	0.9451	0.9451	0.9451	0.9474	0.0000
1509	0.059	1.71	4.04	2.36	0.000	0.240	0.971	0.974	0.9461	0.9461	0.9461	0.9461	0.9481	0.0000
1601	0.063	1.71	4.04	2.36	0.000	0.240	0.971	0.975	0.9458	0.9458	0.9458	0.9458	0.9477	0.0000
1601	0.066	1.71	3.60	2.11	0.000	0.277	0.971	0.972	0.9447	0.9447	0.9447	0.9447	0.9470	0.0000
1602	0.051	1.71	3.10	1.87	0.000	0.319	0.969	0.971	0.9358	0.9358	0.9358	0.9358	0.9386	0.0000
1603	0.029	1.71	2.75	1.61	0.000	0.357	0.969	0.991	0.9291	0.9291	0.9291	0.9291	0.9322	0.0000
1604	0.041	1.70	2.50	1.47	0.000	0.394	0.969	1.024	0.9345	0.9345	0.9345	0.9345	0.9377	0.0000
1605	0.037	1.69	2.10	1.24	0.000	0.471	0.967	1.098	0.9587	0.9587	0.9587	0.9587	0.9616	0.0000
1606	0.022	1.70	1.91	1.06	0.000	0.548	0.966	1.274	0.9586	0.9586	0.9586	0.9586	0.9599	0.0000
1607	0.035	1.70	1.80	1.06	0.000	0.550	0.965	1.267	0.9527	0.9527	0.9527	0.9527	0.9549	0.0000
1608	0.039	1.70	1.80	1.06	0.000	0.549	0.965	1.283	0.9505	0.9505	0.9505	0.9505	0.9514	0.0000
1609	0.029	1.65	1.80	1.24	0.000	0.549	0.965	1.077	0.9529	0.9529	0.9529	0.9529	0.9564	0.0000
1610	0.037	1.63	2.04	1.46	0.000	0.475	0.969	1.024	0.9547	0.9547	0.9547	0.9547	0.9587	0.0000
1611	0.047	1.47	2.14	1.45	0.000	0.443	0.964	1.090	0.9527	0.9527	0.9527	0.9527	0.9565	0.0000
1612	0.035	1.66	2.10	1.46	0.000	0.471	0.967	1.024	0.9553	0.9553	0.9553	0.9553	0.9592	0.0000
1613	0.045	1.65	2.50	1.72	0.000	0.395	0.966	0.985	0.9378	0.9378	0.9378	0.9378	0.9413	0.0000
1614	0.040	1.67	2.75	1.87	0.000	0.357	0.968	0.980	0.9343	0.9343	0.9343	0.9343	0.9374	0.0000
1615	0.045	1.67	3.11	2.11	0.000	0.319	0.968	0.974	0.9327	0.9327	0.9327	0.9327	0.9353	0.0000
1616	0.053	1.66	3.59	2.45	0.000	0.278	0.970	0.972	0.9460	0.9460	0.9460	0.9460	0.9497	0.0000
1617	0.057	1.66	4.04	2.75	0.000	0.253	0.971	0.974	0.9478	0.9478	0.9478	0.9478	0.9497	0.0000
1618	0.055	1.66	4.03	2.76	0.000	0.251	0.971	0.977	0.9490	0.9490	0.9490	0.9490	0.9539	0.0000
1619	0.057	1.66	3.60	2.47	0.000	0.276	0.968	0.971	0.9504	0.9504	0.9504	0.9504	0.9526	0.0000
1620	0.047	1.68	3.11	2.10	0.000	0.317	0.966	0.973	0.9377	0.9377	0.9377	0.9377	0.9430	0.0000
1621	0.054	1.68	3.10	2.09	0.000	0.318	0.967	0.978	0.9372	0.9372	0.9372	0.9372	0.9394	0.0000
1622	0.052	1.67	2.75	1.88	0.000	0.357	0.968	0.970	0.9320	0.9320	0.9320	0.9320	0.9351	0.0000
1623	0.014	1.65	2.40	1.73	0.000	0.393	0.969	0.985	0.9371	0.9371	0.9371	0.9371	0.9436	0.0000
1624	0.035	1.64	2.10	1.46	0.000	0.470	0.966	1.027	0.9566	0.9566	0.9566	0.9566	0.9615	0.0000
1625	0.014	1.66	1.90	1.24	0.000	0.549	0.966	1.076	0.9575	0.9575	0.9575	0.9575	0.9608	0.0000
1626	0.033	1.67	2.75	1.88	0.000	0.357	0.967	0.974	0.9326	0.9326	0.9326	0.9326	0.9357	0.0000
1627	0.033	1.69	1.81	1.07	0.000	0.554	0.965	1.052	0.9000	0.9000	0.9000	0.9000	0.9035	0.0000
1628	0.044	1.69	2.11	1.25	0.000	0.475	0.967	1.022	0.9203	0.9203	0.9203	0.9203	0.9247	0.0000
1629	0.044	1.73	2.51	1.49	0.000	0.400	0.967	1.024	0.9128	0.9128	0.9128	0.9128	0.9172	0.0000
1630	0.057	1.71	2.76	1.62	0.000	0.340	0.969	0.993	0.9098	0.9098	0.9098	0.9098	0.9130	0.0000

NASA-LEWIS PRELIMINARY DATA GADDE-11 FACILITY RXXVI
TIME AND DATE PROCESSED 22:26:14 JUN 14 1979

PROGRAM C034 P005 1593 TO 1653

RUN 27 CONT.

NOZZLE TYPE: BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS: TAKEOFF
NOZZLE CONFIGURATION: C3
PRIMARY-NOZZLE PLUG: SPLIT PLUG (EXTENDED)
FLOW SPLITTER: ISENTROPIC SPLITTER
FAN NOZZLE: SHORT FLAP
CLAMSHELL POSITION: 13 DEG
EJECTOR INLET OPENING: MINIMUM

POG	MO	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	COF	CDP	CF1	ETA1	ETA1,INT	CFP1	CFP2	F9
1631	0.359	1.70	3.12	1.84	0.000	0.319	0.970	0.973	0.9114	0.9114	0.9123	0.9123	0.9150	*****
1632	0.363	1.70	3.62	2.13	0.000	0.278	0.970	0.962	0.9343	0.9343	0.9350	0.9350	0.9372	*****
1633	0.359	1.71	3.80	2.23	0.000	0.265	0.967	0.970	0.9376	0.9376	0.9383	0.9383	0.9403	*****
1634	0.358	1.70	3.80	2.23	0.000	0.265	0.967	0.969	0.9376	0.9376	0.9382	0.9382	0.9403	*****
1635	0.355	1.71	3.62	2.12	0.000	0.276	0.968	0.961	0.9373	0.9373	0.9379	0.9379	0.9401	*****
1636	0.361	1.71	3.11	1.82	0.000	0.319	0.966	0.973	0.9145	0.9145	0.9153	0.9153	0.9180	*****
1637	0.357	1.70	2.76	1.82	0.000	0.360	0.969	0.991	0.9100	0.9100	0.9110	0.9110	0.9141	*****
1638	0.363	1.70	2.50	1.48	0.000	0.400	0.968	1.026	0.9129	0.9129	0.9141	0.9141	0.9173	*****
1639	0.359	1.89	2.10	1.25	0.000	0.477	0.968	1.034	0.9215	0.9215	0.9231	0.9231	0.9259	*****
1640	0.357	1.70	1.81	1.07	0.000	0.554	0.965	1.050	0.9037	0.9037	0.9060	0.9060	0.9072	*****
1641	0.359	1.71	3.61	2.11	0.000	0.278	0.971	0.964	0.9325	0.9325	0.9332	0.9332	0.9354	*****
1642	0.362	1.45	1.81	1.25	0.000	0.554	0.967	1.013	0.9198	0.9198	0.9218	0.9218	0.9251	*****
1643	0.361	1.45	2.09	1.47	0.000	0.480	0.968	1.014	0.9294	0.9294	0.9308	0.9308	0.9347	*****
1644	0.363	1.46	2.50	1.71	0.000	0.399	0.969	0.987	0.9176	0.9176	0.9187	0.9187	0.9221	*****
1645	0.364	1.48	2.76	1.87	0.000	0.360	0.970	0.980	0.9179	0.9179	0.9189	0.9189	0.9220	*****
1646	0.367	1.47	3.12	2.12	0.000	0.319	0.970	0.976	0.9180	0.9180	0.9188	0.9188	0.9213	*****
1647	0.361	1.46	3.61	2.47	0.000	0.276	0.969	0.971	0.9382	0.9382	0.9388	0.9388	0.9410	*****
1648	0.367	1.46	3.60	2.47	0.000	0.280	0.967	0.969	0.9395	0.9395	0.9402	0.9402	0.9423	*****
1649	0.364	1.49	3.11	2.09	0.000	0.320	0.970	0.981	0.9173	0.9173	0.9181	0.9181	0.9207	*****
1650	0.361	1.48	2.77	1.87	0.000	0.358	0.968	0.980	0.9175	0.9175	0.9184	0.9184	0.9215	*****
1651	0.359	1.46	2.51	1.72	0.000	0.399	0.969	0.986	0.9196	0.9196	0.9206	0.9206	0.9241	*****
1652	0.363	1.44	2.11	1.46	0.000	0.476	0.966	1.015	0.9305	0.9305	0.9320	0.9320	0.9358	*****
1653	0.364	1.46	1.82	1.25	0.000	0.553	0.966	1.011	0.9174	0.9174	0.9194	0.9194	0.9227	*****

RUN17

WASA-LEWIS PRELIMINARY DATA 06/14/79 CADDEII REC 10/26/79 20:50:21.105 FSC 9XAY1 PGM 0024 PPG 1503

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	13.363	0.93991	0.51590	0.88572	0.72700
37	13.745	0.96695	0.53074	0.91120	0.82300
47	13.909	0.97853	0.53710	0.92212	0.91900
52	14.704	0.98920	0.54077	0.93740	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	13.550	0.95325	0.52323	0.89829	0.42200
67	13.410	0.94942	0.51783	0.88903	0.61000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.883	0.83597	0.45885	0.78777	0.50800
82	14.322	1.0770	0.59184	1.0157	0.98300
92	14.169	0.99679	0.54713	0.93932	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.144	0.99503	0.54618	0.93767	-1.0000
112	14.149	0.99539	0.54635	0.93800	-1.0000
122	14.119	0.99378	0.54520	0.93601	-1.0000
127	14.179	0.99740	0.54751	0.93998	-1.0000
137	14.124	0.99363	0.54539	0.93634	-1.0000
142	13.984	0.97678	0.53614	0.92046	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.144	0.99503	0.54618	0.93767	0.39800
112	14.149	0.99539	0.54635	0.93800	0.43100
122	14.119	0.99378	0.54520	0.93601	0.44900
	14.179	0.99740	0.54751	0.93998	0.48600
	14.124	0.99363	0.54539	0.93634	0.52700
142	13.984	0.97678	0.53614	0.92046	0.58800
147	14.144	0.99503	0.54618	0.93767	1.0000
152	14.179	0.99740	0.54751	0.93998	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FORWARD INLET~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.179	0.99740	0.54751	0.93998	-1.0000
157	14.179	0.99740	0.54751	0.93998	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.174	0.99714	0.54732	0.93965	0.79300
172	14.174	0.99714	0.54732	0.93965	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	13.515	0.95079	0.52188	0.89598	0.79300
107	13.470	0.94763	0.52014	0.89300	0.84400

RUN27

WATERWAYS PRELIMINARY DATA 06/16/79 CADDIS 10/26/79 00:51:17.631 640 BYBY 074 0004 P00 1596

ADDITIONAL PRESSURE RATIOS , PRIMARY MISC

AVG WORD	PI	PI/PD	PI/PTE	PI/PTD	X/DMAX
12	13.380	0.97151	0.41484	0.70270	0.72200
13	13.407	0.95719	0.45564	0.77189	0.82000
14	14.124	0.98660	0.46568	0.79517	0.91900
15	14.271	1.0070	0.47787	0.80555	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVG WORD	PI	PI/PD	PI/PTE	PI/PTD	X/DMAX
12	13.302	0.93577	0.44545	0.75412	0.42200
13	12.949	0.88275	0.47021	0.71181	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVG WORD	PI	PI/PD	PI/PTE	PI/PTD	X/DMAX
12	11.360	0.79916	0.38042	0.64445	0.50800
13	10.157	1.1356	0.94109	0.91657	0.58300
14	14.156	0.99581	0.47403	0.80304	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.~~

AVG WORD	PI	PI/PD	PI/PTE	PI/PTD	X/DMAX
112	14.121	0.99339	0.47280	0.80109	-1.0000
112	14.146	0.99511	0.47370	0.80247	-1.0000
122	14.091	0.99129	0.47184	0.79938	-1.0000
122	14.101	0.99165	0.47219	0.79992	-1.0000
122	14.126	0.99371	0.47303	0.80134	-1.0000
142	13.926	0.97264	0.46300	0.78435	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVG WORD	PI	PI/PD	PI/PTE	PI/PTD	X/DMAX
122	14.121	0.99335	0.47284	0.80105	0.39800
112	14.146	0.99511	0.47370	0.80247	0.43100
122	14.091	0.99129	0.47184	0.79938	0.44900
122	14.101	0.99165	0.47219	0.79992	0.48600
122	14.126	0.99371	0.47303	0.80134	0.52700
142	13.926	0.97264	0.46300	0.78435	0.58800
112	14.146	0.99511	0.47370	0.80247	-1.0000
142	14.146	0.99511	0.47370	0.80247	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FOREBODY INLET~~

AVG WORD	PI	PI/PD	PI/PTE	PI/PTD	X/DMAX
152	14.146	0.99511	0.47370	0.80247	-1.0000
152	14.146	0.99511	0.47370	0.80247	-1.0000

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTE	PI/PTD	X/DMAX
142	14.141	0.99616	0.47420	0.80332	0.79300
132	14.146	0.99651	0.47436	0.80360	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTE	PI/PTD	X/DMAX
182	13.442	0.94560	0.45013	0.74245	0.79300
182	13.477	0.94704	0.44795	0.75004	0.84400

ORIGINAL PAGE
OF PAGES 44

RUN27

DATA-LEWIS PRELIMINARY DATA 7/14/79 CANNETT REC 10/26/79 00:51:34.726 FAN BEAK1 PCN 0074 PDC 1595

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	7.3257	0.52277	0.27928	0.35674	0.72200
77	12.509	0.89516	0.35308	0.47221	0.82000
67	12.542	0.98163	0.39452	0.47117	0.91900
67	14.701	1.0297	0.41203	0.70097	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
67	14.124	0.99463	0.39975	0.68006	0.42200
67	11.971	0.89962	0.39177	0.54741	0.47000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	7.8603	0.55344	0.27243	0.37841	0.50800
67	14.741	1.3999	0.45862	0.45035	0.58300
67	14.146	0.99604	0.40031	0.68103	0.67000

ADDITIONAL PRESSURE RATIOS , EFFECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-107	14.111	0.99393	0.39946	0.67958	-1.0000
-117	14.141	0.99669	0.40017	0.68079	-1.0000
-127	14.071	0.99777	0.39819	0.67742	-1.0000
-127	14.106	0.99182	0.39862	0.67814	-1.0070
-137	14.116	0.99393	0.39946	0.67958	-1.0000
-147	13.867	0.97636	0.39240	0.66757	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
07	14.116	0.99393	0.39946	0.67958	0.39800
117	14.141	0.99669	0.40017	0.68079	0.43100
127	14.071	0.99777	0.39819	0.67742	0.44900
127	14.086	0.99182	0.39862	0.67814	0.48600
137	14.116	0.99393	0.39946	0.67958	0.52200
147	13.867	0.97636	0.39240	0.66757	0.58800
-157	14.141	0.99709	0.40073	0.68175	-1.0000
-167	14.181	0.99777	0.40073	0.68175	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN WHEEL P150

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-157	14.141	0.99709	0.40073	0.68175	-1.0000
-157	14.141	0.99709	0.40073	0.68175	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
167	14.111	0.99709	0.40073	0.68175	0.79300
177	14.111	0.99709	0.40073	0.68175	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
187	13.427	0.94543	0.37997	0.64642	0.79300
187	13.798	0.93629	0.37630	0.64018	0.84400

RW-127

WATER LEVEL PRELIMINARY DATE 07/14/79 CADDSET REC 10/26/79 00:52:43.787 EAC 00001 PCP 0004 PCG 1506

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
17	12.7255	0.47417	0.17164	0.29299	0.72703
27	12.710	0.75573	0.27227	0.46657	0.82000
47	12.725	0.96756	0.25031	0.59780	0.91500
57	16.723	1.0379	0.27270	0.64137	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
17	15.651	1.1333	0.39048	0.61180	0.42200
27	12.068	0.97112	0.33290	0.58510	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	8.9228	0.67904	0.27275	0.38671	0.50800
87	12.108	0.92999	0.32452	0.57093	0.58300
97	14.174	0.99570	0.26050	0.61528	0.67600

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.~~

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-107	14.099	0.99398	0.27283	0.61420	-1.0000
-117	14.129	0.99675	0.26763	0.61550	-1.0000
-127	14.049	0.99742	0.25859	0.61202	-1.0000
-137	14.074	0.99718	0.25923	0.61311	-1.0000
-147	14.104	0.99629	0.25099	0.61441	-1.0000
-157	13.884	0.97881	0.35439	0.63685	-1.0000

ADDITIONAL PRESSURE RATIOS , ENDERBY INLET

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
177	14.399	0.99394	0.25087	0.61420	0.39800
117	14.129	0.99605	0.26763	0.61550	0.43100
127	14.049	0.99742	0.25859	0.61202	0.44900
137	14.074	0.99718	0.25923	0.61311	0.48600
147	14.104	0.99629	0.25099	0.61441	0.52200
157	13.884	0.97881	0.35439	0.63685	0.58800
-167	14.144	0.99311	0.26101	0.61115	-1.0000
-177	14.144	0.99311	0.26101	0.61115	-1.0000

~~ADDITIONAL PRESSURE RATIOS , ENDERBY INLET~~

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-167	14.144	0.99311	0.26101	0.61615	-1.0000
-177	14.144	0.99311	0.26101	0.61615	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
187	14.130	0.99676	0.26089	0.61593	0.79300
197	14.144	0.99711	0.26101	0.61615	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	13.335	0.92800	0.22061	0.57063	0.79300
127	12.116	0.92463	0.22477	0.57137	0.84400

RUN27

NASA-Lewis PRELIMINARY DATA DE/14/79 GADDELL REC 10/26/79 00:57:25.713 FAC MAY1 PGM C024 P06 1507

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	7.5681	0.53346	0.17246	0.29496	0.72200
37	13.312	0.01717	0.29681	0.40713	0.82000
47	10.200	0.71901	0.23245	0.39756	0.91900
52	15.198	1.0713	0.24634	0.49235	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	17.629	1.2426	0.40173	0.68706	0.42200
67	14.714	1.0372	0.33530	0.47348	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	10.255	0.72288	0.23370	0.39970	0.50800
82	14.819	1.0906	0.33514	0.56978	0.58900
92	14.120	0.99529	0.22177	0.55032	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.135	0.99424	0.32182	0.54974	-1.0000
112	14.130	0.99600	0.32199	0.55071	-1.0000
122	14.035	0.99931	0.31983	0.54702	-1.0000
127	14.165	0.99142	0.32041	0.54818	-1.0000
137	14.110	0.99459	0.32154	0.54993	-1.0000
147	13.930	0.98192	0.31744	0.54293	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.105	0.99424	0.32142	0.54974	0.39900
117	14.130	0.99600	0.32199	0.55071	0.43100
122	14.035	0.99931	0.31983	0.54702	0.44900
127	14.165	0.99142	0.32051	0.54818	0.48600
137	14.110	0.99459	0.32154	0.54993	0.52200
147	13.930	0.98192	0.31744	0.54293	0.58800
152	14.145	0.99706	0.32234	0.55130	1.0000
157	14.140	0.99670	0.32222	0.55110	1.0000

ADDITIONAL PRESSURE RATIOS , FAN SHROUD FLOW

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.145	0.99706	0.32234	0.55130	-1.0000
157	14.140	0.99670	0.32222	0.55110	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.140	0.99670	0.32222	0.55110	0.79300
177	14.140	0.99670	0.32222	0.55110	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.316	0.93864	0.30345	0.51900	0.79300
192	13.122	0.92451	0.29901	0.51141	0.84400

RUN27

NACA-LEWIS PRELIMINARY DATA 06/14/79 CONFIDENTIAL DEC 10/26/79 00:54:27.404 FAC 00601 PCM 0034 PPG 1598

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.6294	0.60853	0.16943	0.29082	0.72200
77	14.948	1.0471	0.29154	0.50042	0.82000
77	17.668	0.89370	0.24872	0.42693	0.91900
77	19.719	1.0731	0.29879	0.51287	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	20.357	1.4355	0.39968	0.68606	0.42200
67	16.978	1.1958	0.33288	0.57138	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.059	0.85037	0.23676	0.40641	0.50800
77	17.018	1.1998	0.35409	0.47780	0.58300
77	14.120	0.99571	0.27723	0.47587	0.67000

~~ADDITIONAL PRESSURE RATIOS, FORWARD SHROUD~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.044	0.98973	0.27557	0.47301	-1.0000
112	14.375	0.99254	0.27635	0.47436	-1.0000
127	14.019	0.98837	0.27517	0.47234	-1.0000
127	14.045	0.99043	0.27576	0.47335	-1.0000
137	14.370	0.99219	0.27625	0.47419	-1.0000
147	13.325	0.98199	0.27341	0.46931	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.395	0.98973	0.27557	0.47301	0.39800
112	14.375	0.99254	0.27635	0.47436	0.43100
127	14.019	0.98837	0.27517	0.47234	0.44900
127	14.045	0.99043	0.27576	0.47335	0.48600
137	14.370	0.99219	0.27625	0.47419	0.52200
147	13.325	0.98199	0.27341	0.46931	0.58800
152	14.145	0.99747	0.27772	0.47671	-1.0000
157	14.145	0.99747	0.27772	0.47671	-1.0000

~~ADDITIONAL PRESSURE RATIOS, FAN NOZZLE PLUG~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.145	0.99747	0.27772	0.47671	-1.0000
157	14.145	0.99747	0.27772	0.47671	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.145	0.99747	0.27772	0.47671	0.79300
177	14.160	0.99712	0.27762	0.47654	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.386	0.96398	0.26283	0.45115	0.79300
197	13.122	0.93024	0.25501	0.44459	0.84400

RUN27

WASA-LEWIS PRELIMINARY DATA 36/14/79 GADDELL REF 10/26/77 00:55:27.952 FAC RYAX1 PCM 0034 PNC 1599

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
72	0.1739	0.64686	0.16004	0.27398	0.72200
77	15.797	1.1138	0.27557	0.47177	0.82000
47	14.370	1.0132	0.25069	0.42915	0.91900
42	14.170	0.99914	0.24729	0.42219	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	22.687	1.5996	0.39577	0.67754	0.42200
62	17.982	1.2693	0.31230	0.53465	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.581	0.95762	0.23693	0.40560	0.50900
42	19.104	1.3527	0.37467	0.57294	0.58300
92	14.110	0.99492	0.24615	0.42140	0.67300

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.075	0.98894	0.24667	0.41887	-1.0000
112	14.060	0.99140	0.24528	0.41991	-1.0000
122	14.310	0.98788	0.24441	0.41842	-1.0000
127	14.160	0.98999	0.24493	0.41931	-1.0000
137	14.075	0.99245	0.24554	0.42036	-1.0000
142	13.941	0.98295	0.24319	0.41633	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.075	0.98894	0.24667	0.41887	0.39800
112	14.060	0.99140	0.24528	0.41991	0.43100
122	14.310	0.98788	0.24441	0.41842	0.44900
127	14.160	0.98999	0.24493	0.41931	0.48600
137	14.075	0.99245	0.24554	0.42036	0.52200
142	13.941	0.98295	0.24319	0.41633	0.58800
152	14.145	0.99728	0.24676	0.42244	-1.0000
157	14.145	0.99703	0.24676	0.42230	1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.145	0.99728	0.24676	0.42244	-1.0000
157	14.145	0.99703	0.24676	0.42230	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.145	0.99728	0.24676	0.42244	0.79300
172	14.145	0.99728	0.24676	0.42244	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.397	0.94660	0.23370	0.40000	0.79300
187	13.152	0.92736	0.22544	0.38279	0.84400

RUN27

NACA-Lewis PRELIMINARY DATA OF 14/79 CINDREI DEC 10/26/79 10:55:45.752

FAC RV6V1

PGM C074

DOC 1637

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
22	9.1491	0.64692	0.15965	0.27275	0.72230
27	15.792	1.1135	0.77531	0.47118	0.82000
47	14.351	1.0125	0.25023	0.42842	0.91990
97	15.115	0.99591	0.24423	0.42142	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	22.692	1.6393	0.39567	0.67718	0.42200
97	17.942	1.2989	0.31129	0.53270	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.556	0.95648	0.23649	0.49474	0.53800
92	17.170	1.3929	0.37869	0.67237	0.58300
42	14.105	0.99521	0.24606	0.42117	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SURROUND

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-100	14.714	0.99997	0.24449	0.41844	-1.0000
-112	14.351	0.99134	0.24510	0.41949	-1.0000
-122	14.336	0.99117	0.24432	0.41815	-1.0000
-127	14.331	0.99993	0.24476	0.41880	-1.0000
-137	14.379	0.99274	0.24545	0.42008	-1.0000
-142	13.926	0.98253	0.24293	0.41574	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
127	14.916	0.99887	0.24449	0.41844	0.39800
112	14.351	0.99134	0.24510	0.41949	0.43100
122	14.336	0.99117	0.24432	0.41815	0.44900
127	14.331	0.99993	0.24476	0.41880	0.48600
137	14.379	0.99274	0.24545	0.42008	0.52200
142	13.926	0.98253	0.24293	0.41574	0.58800
100	14.714	0.99997	0.24449	0.41844	1.00000
110	14.351	0.99134	0.24510	0.41949	1.00000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-142	14.135	0.99732	0.24458	0.42202	-1.0000
-157	14.135	0.99732	0.24458	0.42202	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
142	14.135	0.99732	0.24458	0.42202	0.79300
157	14.147	0.99747	0.24467	0.42217	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.397	0.94571	0.22270	0.39997	0.79300
187	13.157	0.92831	0.22252	0.39282	0.84400

RUN 27

MACS-LEWIS PRELIMINARY DATA 06/14/79 CANNETT PFC 10/26/79 03:57:1A.156

FAC 8X4V1

PGM 0034

PGC 1632

ADDITIONAL PRESSURE RATIOS , PRIMARY MISC

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	7.6100	0.53682	0.17289	0.29551	0.72203
37	13.700	0.92378	0.29740	0.50831	0.82000
47	13.226	0.72133	0.22232	0.29709	0.91900
52	15.197	1.7708	0.74489	0.58948	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	17.694	1.2475	0.40179	0.68672	0.42203
67	14.826	1.0499	0.33688	0.57573	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	10.395	0.73260	0.23595	0.40329	0.50800
82	14.798	1.0409	0.33979	0.57502	0.48300
92	14.128	0.99650	0.22097	0.54861	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.044	0.99188	0.31938	0.54590	-1.0000
-112	14.748	1.00095	0.31916	0.54551	-1.0000
-122	14.039	0.99075	0.31893	0.54512	-1.0000
-127	14.063	0.99201	0.31950	0.54609	-1.0000
-137	14.363	0.99201	0.31950	0.54609	-1.0000
-142	13.908	0.98110	0.31599	0.54009	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.958	0.99164	0.31939	0.54590	0.39800
112	14.748	0.99095	0.31916	0.54551	0.43100
122	14.039	0.99075	0.31893	0.54512	0.44900
127	14.063	0.99201	0.31950	0.54609	0.48600
137	14.363	0.99201	0.31950	0.54609	0.52200
142	13.908	0.98110	0.31599	0.54009	0.58800
147	14.153	0.99734	0.32143	0.54938	1.0000
152	14.153	0.99734	0.32143	0.54938	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-142	14.153	0.99734	0.32143	0.54938	-1.0000
-152	14.153	0.99734	0.32143	0.54938	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
162	14.148	0.99709	0.32143	0.54938	0.79300
172	14.148	0.99709	0.32143	0.54938	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.314	0.93922	0.29259	0.51703	0.79300
192	13.123	0.92540	0.28908	0.50047	0.84400

RUN27

MASS-FLOW PRELIMINARY DATA 26/14/79 CADDREI REC 10/26/79 20:58:12.954

FAR PAXI PG# 0374 PPG 1423

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	6.7326	0.47429	0.17232	0.29427	0.72200
37	10.738	0.75637	0.27481	0.46929	0.82000
47	13.723	0.96661	0.35120	0.59973	0.91900
52	14.795	1.03399	0.37678	0.64270	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
E2	15.634	1.1012	0.40011	0.68326	0.42200
E7	13.754	0.91951	0.33408	0.57051	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.9939	0.63329	0.27009	0.39292	0.50800
82	13.174	0.82302	0.33536	0.47269	0.58300
92	14.122	0.99473	0.36142	0.61718	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.062	0.99051	0.35988	0.61456	-1.0000
-117	14.062	0.99011	0.35937	0.61369	-1.0000
-127	14.062	0.99011	0.35937	0.61369	-1.0000
-127	14.062	0.99051	0.35988	0.61456	-1.0000
-137	14.062	0.99016	0.35976	0.61435	-1.0000
-147	13.899	0.97891	0.35567	0.60737	-1.0000

ADDITIONAL PRESSURE RATIOS , ENERGY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.062	0.99051	0.35988	0.61456	0.39800
117	14.062	0.989	0.35937	0.61369	0.43100
127	14.062	0.989	0.35937	0.61369	0.44900
127	14.062	0.99051	0.35988	0.61456	0.48600
137	14.062	0.99016	0.35976	0.61435	0.52700
147	13.899	0.97891	0.35567	0.60737	0.58800
-107	14.062	0.99051	0.35988	0.61456	-1.0000
-117	14.062	0.989	0.35937	0.61369	-1.0000
-127	14.062	0.989	0.35937	0.61369	-1.0000
-127	14.062	0.99051	0.35988	0.61456	-1.0000
-137	14.062	0.99016	0.35976	0.61435	-1.0000
-147	13.899	0.97891	0.35567	0.60737	-1.0000

ADDITIONAL PRESSURE RATIOS , PAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	14.132	0.86579	0.36189	0.61784	-1.0000
-167	14.147	0.99649	0.36205	0.61827	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.142	0.99614	0.36193	0.61805	0.79300
177	14.147	0.99649	0.36205	0.61827	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.329	0.83884	0.36111	0.61250	0.75300
197	13.150	0.82680	0.36677	0.61509	0.84400

PG 1674

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RUN27

WASA-LEWIS PRELIMINARY DATA 06/14/79 CADDELL REC 10/26/79 01:00:17.77

FAC 874X1

PGM C374

PGF 1675

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
2	12.421	0.87395	0.41613	0.70791	0.72260
27	13.674	0.98844	0.45840	0.77204	0.82000
47	14.048	0.98837	0.47061	0.79607	0.91900
67	14.287	1.0749	0.47848	0.89936	1.3170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	13.319	0.93713	0.44621	0.75480	0.42200
67	12.596	0.88624	0.42198	0.71381	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.503	0.80936	0.39537	0.65189	0.50800
87	16.063	1.1302	0.58812	0.91027	0.58300
97	14.152	0.99575	0.47412	0.80201	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.107	0.99259	0.47261	0.79947	-1.0000
112	14.068	0.98978	0.47128	0.79720	-1.0000
122	14.078	0.99048	0.47151	0.79777	-1.0000
127	14.098	0.99188	0.47228	0.79890	-1.0000
137	14.138	0.99049	0.47161	0.79777	-1.0000
142	13.908	0.97153	0.46259	0.78250	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.107	0.99259	0.47261	0.79947	0.39800
112	14.068	0.98978	0.47128	0.79720	0.43100
122	14.078	0.99048	0.47151	0.79777	0.44900
127	14.098	0.99188	0.47228	0.79890	0.48600
137	14.138	0.99049	0.47161	0.79777	0.52200
142	13.908	0.97153	0.46259	0.78250	0.68800
147	14.167	0.99680	0.47462	0.80286	0.84400
152	14.162	0.99645	0.47445	0.80258	-1.0000

~~ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.162	0.99645	0.47445	0.80258	-1.0000
157	14.167	0.99680	0.47462	0.80286	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.162	0.99645	0.47445	0.80258	0.79300
177	14.167	0.99680	0.47462	0.80286	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.444	0.94591	0.45029	0.76187	0.79300
197	13.384	0.94160	0.44838	0.75848	0.84400

RUN27

NEAR-LEWIS PRELIMINARY DATA 06/14/79 CADDET1 REC 10/26/79 01:00:57.656

FAC 9X6X1

PCM 0024

P06 1406

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
17	13.363	0.93943	0.51391	0.88525	0.72200
27	13.746	0.96645	0.53486	0.91071	0.82000
47	13.904	0.97768	0.54108	0.92129	0.91900
67	13.998	0.98434	0.54477	0.92757	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
17	13.549	0.95276	0.52729	0.89781	0.42700
27	13.910	0.96293	0.52185	0.88855	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	11.982	0.83555	0.46242	0.78736	0.50800
87	12.208	1.0728	0.92377	1.0109	0.96300
97	14.163	0.99592	0.55119	0.93848	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-107	14.133	0.99382	0.55001	0.93850	-1.0000
-117	14.058	0.98855	0.54710	0.93154	-1.0000
-127	14.108	0.99296	0.54904	0.93485	-1.0000
-127	14.173	0.99662	0.55156	0.93915	-1.0000
-137	14.098	0.99066	0.54826	0.93352	-1.0000
-147	13.879	0.97592	0.54011	0.91924	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
107	14.133	0.99382	0.55001	0.93850	0.39800
117	14.058	0.98855	0.54710	0.93154	0.43100
127	14.173	0.99662	0.55156	0.93915	0.44900
127	14.173	0.99662	0.55156	0.93915	0.48600
137	14.098	0.99066	0.54826	0.93352	0.52200
147	13.879	0.97592	0.54011	0.91964	0.58800
-157	14.173	0.99662	0.55156	0.93915	-1.0000
-167	14.168	0.99627	0.55137	0.93882	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN VAPOR PLE~~

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-157	14.173	0.99662	0.55156	0.93915	-1.0000
-167	14.168	0.99627	0.55137	0.93882	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
177	14.168	0.99627	0.55137	0.93882	0.79300
177	14.173	0.99662	0.55156	0.93915	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
187	13.519	0.95966	0.52612	0.89583	0.79300
187	13.444	0.95679	0.52399	0.89219	0.84400

RUN27

WATER-LOWE PRELIMINARY DATA 07/14/70 CANNETT REC 10/24/70 01:22:25.240

EAC 246X1

PGM 0074

PG 1627

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.375	0.94093	0.52157	0.88695	0.72207
77	13.749	0.94726	0.52658	0.91177	0.82000
67	13.779	0.97869	0.54281	0.97238	0.51900
69	14.079	0.99957	0.54671	0.97898	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	13.559	0.95392	0.52018	0.89020	0.42200
67	13.874	0.95444	0.52392	0.89028	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	14.882	0.83594	0.46273	0.78700	0.50800
67	15.941	1.0722	0.59481	1.0107	0.58300
77	14.168	0.96675	0.55294	0.53957	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.133	0.99429	0.55157	0.92226	-1.0000
117	14.083	0.99078	0.54953	0.93395	-1.0000
127	14.113	0.99289	0.55080	0.93593	-1.0000
127	14.173	0.99710	0.55213	0.93990	-1.0000
137	14.083	0.99148	0.55007	0.93461	-1.0000
147	13.854	0.97744	0.54723	0.92137	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.133	0.99429	0.55157	0.92226	0.39800
117	14.083	0.99078	0.54953	0.93395	0.43100
127	14.113	0.99289	0.55080	0.93593	0.44900
127	14.173	0.99710	0.55213	0.93990	0.48600
137	14.083	0.99148	0.55007	0.93461	0.52200
147	13.854	0.97744	0.54723	0.92137	0.58800
157	14.133	0.99429	0.55157	0.92226	-1.0000
167	14.178	0.99745	0.55233	0.94023	-1.0000

~~ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP~~

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.133	0.99429	0.55157	0.92226	-1.0000
167	14.178	0.99745	0.55233	0.94023	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.178	0.99745	0.55233	0.94023	0.79300
177	14.178	0.99745	0.55233	0.94023	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.529	0.95181	0.52401	0.89721	0.79300
187	13.577	0.94873	0.52674	0.89300	0.84400

SUBJECTS: PRESIDENT PATTON , PRIMARY PRINC.

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTED 1:1.

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.2.

~~ADDITIONAL REFERENCE DATES LISTED BELOW~~

ADDITIONAL PRESSURE RATIOS, ENERGY INLET

~~CONFIDENTIAL - SECURITY INFORMATION~~

ADDITIONAL PRESSURE RATIOS, 20 DEG. SHROUD LOCATION

NAVIGATIONAL PRESSURE RATES, 90 DEG SURROUND LOCATION

AVG WPPD	PI	PI/PD	PI/PTF	PI/PTP	Y/NMAX
100	13.526	0.95128	0.52715	0.89822	2.79307
50	13.421	0.94742	0.52591	0.89457	2.84460

OF FROM QUALITY

RUN 27

WAS-LEWIS PRELIMINARY DATA 05/14/79 C-DOFFI REC 10/26/79 01:05:19.709 FAC 384V1 PCM 0374 PDC 1679

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	12.678	0.89196	0.49431	0.71854	0.72200
17	13.771	0.96572	0.57498	0.77763	0.82000
47	14.075	0.99024	0.54877	0.79771	0.91900
57	14.289	1.0793	0.59713	0.83997	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	13.536	0.95234	0.52776	0.77717	0.42200
67	12.437	0.91077	0.50447	0.73724	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.860	0.87479	0.46240	0.67216	0.50800
97	15.182	1.0699	0.59234	0.86174	0.58900
22	14.160	0.93621	0.55208	0.80252	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.140	0.99410	0.55091	0.80082	-1.0000
-117	14.180	0.99059	0.54897	0.79799	-1.0000
-127	14.195	0.99235	0.54994	0.79941	-1.0000
-127	14.165	0.99656	0.55227	0.80280	-1.0000
-137	14.099	0.99165	0.54955	0.79884	-1.0000
-147	13.870	0.97585	0.54080	0.78612	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTOR INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.139	0.99410	0.55091	0.80082	0.39800
117	14.180	0.99059	0.54897	0.79799	0.43100
127	14.195	0.99235	0.54994	0.79941	0.45900
127	14.165	0.99656	0.55227	0.80280	0.48600
137	14.099	0.99165	0.54955	0.79884	0.52200
147	13.870	0.97585	0.54080	0.78612	0.58800
-157	14.170	0.99691	0.55247	0.80308	1.0000
-157	14.175	0.99691	0.55247	0.80308	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	14.170	0.99691	0.55247	0.80308	-1.0000
-157	14.175	0.99691	0.55247	0.80308	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.170	0.99691	0.55247	0.80308	0.79300
177	14.175	0.99726	0.55266	0.80334	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.531	0.95199	0.52757	0.76689	0.75300
187	13.574	0.94817	0.52543	0.76778	0.84400

Run 27

SEATTLE WASH PRELIMINARY DATA 7/14/70 CRODREI SEC 10/26/70 11:30:10.224 FAC 07481 PCM 0034 PPG 1410

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	13.276	0.72336	0.46727	0.49642	0.72200
17	13.610	0.74401	0.45320	0.44611	0.82000
17	14.704	0.99986	0.48001	0.48646	0.91500
22	15.453	1.7237	0.49748	0.70286	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	14.194	0.90916	0.47967	0.48597	0.42200
17	11.913	0.83881	0.40280	0.57575	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER R.O.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	11.744	0.73856	0.38237	0.44825	0.50800
17	19.089	1.1737	0.43958	0.77158	0.98300
17	14.144	0.93565	0.47799	0.68354	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR EMPLOY

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-127	14.779	0.99289	0.47800	0.48139	-1.0000
-112	14.08	0.90142	0.47596	0.48067	-1.0000
-127	14.089	0.99178	0.47613	0.48091	-1.0000
-127	14.180	0.99178	0.47613	0.48091	-1.0000
-137	14.794	0.99214	0.47630	0.48115	-1.0000
-142	13.800	0.67141	0.46635	0.46692	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTOR INLET

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.099	0.99244	0.47647	0.48139	0.39800
112	14.084	0.90142	0.47596	0.48067	0.43100
127	14.097	0.99178	0.47613	0.48091	0.44900
127	14.089	0.99178	0.47613	0.48091	0.48800
137	14.094	0.99214	0.47630	0.48115	0.52200
142	13.800	0.67141	0.46635	0.46692	0.58800
152	14.144	0.93565	0.47799	0.68354	1.0000
157	14.779	0.99289	0.47800	0.48139	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	14.144	0.93565	0.47799	0.68354	-1.0000
-157	14.144	0.93565	0.47799	0.68354	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.150	0.93670	0.47849	0.68420	0.79300
177	14.164	0.95705	0.47866	0.68457	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.405	0.64366	0.45303	0.44787	0.79300
197	13.350	0.63076	0.45117	0.44522	0.84400

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AVG W/BN	PI	M/BN	M/PTF	PI/PTP	X/DMAV
77	11.277	0.77404	1.34003	0.49804	3.72703
78	12.007	0.76487	0.44180	0.49026	0.82000
79	14.110	1.0135	0.46862	0.49026	0.41800
80	16.454	1.0924	0.47508	0.47064	1.3170

AVG W/BN	PI	M/BN	M/PTF	PI/PTP	X/DMAV
42	14.135	0.90604	0.46814	0.49610	0.42200
43	11.804	0.89922	0.40100	0.57064	0.47900

AVG W/BN	PI	M/BN	M/PTF	PI/PTP	X/DMAV
77	11.250	0.77422	0.37136	0.54657	0.50800
78	16.200	1.1490	0.45444	0.47860	0.58300
79	14.155	0.90827	0.46081	0.48707	0.47000

AVG W/BN	PI	M/BN	M/PTF	PI/PTP	X/DMAV
100	14.100	0.99450	0.46500	0.49440	-1.0000
112	14.080	0.99400	0.46435	0.49363	-1.0000
122	14.000	0.99400	0.46468	0.49392	-1.0000
127	14.095	0.99415	0.46468	0.49416	-1.0000
137	14.075	0.99415	0.46468	0.49416	-1.0000
142	14.076	0.99373	0.46430	0.49411	-1.0000

AVG W/BN	PI	M/BN	M/PTF	PI/PTP	X/DMAV
137	14.070	0.99450	0.46500	0.49440	0.39400
147	14.080	0.99400	0.46435	0.49363	0.47100
122	14.000	0.99400	0.46468	0.49392	0.44800
127	14.095	0.99415	0.46468	0.49416	0.48400
137	14.075	0.99415	0.46468	0.49416	0.52200
142	14.076	0.99373	0.46430	0.49411	0.58800
147	14.070	0.99450	0.46500	0.49440	-1.0000

AVG W/BN	PI	M/BN	M/PTF	PI/PTP	X/DMAV
152	14.070	0.99450	0.46500	0.49440	-1.0000
157	14.070	0.99450	0.46500	0.49440	-1.0000

AVG W/BN	PI	M/BN	M/PTF	PI/PTP	X/DMAV
147	14.170	0.99043	0.46731	0.48779	0.79300
177	14.145	0.99038	0.46714	0.48779	0.44400

AVG W/BN	PI	M/BN	M/PTF	PI/PTP	X/DMAV
150	13.412	0.94593	0.46729	0.45098	0.79300
157	13.357	0.94593	0.46729	0.45098	0.44400

RUN27

NACA-LEWIS PRELIMINARY DATA 6/14/79 GADDFIT PFC 11/26/79 11:05:54.594 FAC BRAY1 BCM 0034 BPG 1612

ADDITIONAL PRESSURE RATIOS , PRIMARY MISC

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	13.281	0.72391	0.74511	0.49774	0.72200
27	13.419	0.84697	0.45747	0.44920	0.82000
47	14.213	1.0000	0.47710	0.48758	0.51000
57	14.552	1.0000	0.48849	0.70795	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	14.168	0.99762	0.47559	0.48541	0.42200
17	11.907	0.83867	0.39572	0.57806	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
27	11.433	0.87798	0.48280	0.55168	0.50800
37	14.214	1.1006	0.47622	0.78588	0.98700
42	14.143	0.99586	0.47475	0.49420	0.67000

ADDITIONAL PRESSURE RATIOS , SECTION THROUGH

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.093	0.99235	0.47308	0.48179	-1.0000
-112	14.078	0.99129	0.47258	0.48106	-1.0000
-127	14.098	0.99800	0.47291	0.48155	-1.0000
-127	14.093	0.99165	0.47274	0.48131	-1.0000
-137	14.093	0.99235	0.47308	0.48179	-1.0000
-147	13.788	0.97092	0.46286	0.46706	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.093	0.99235	0.47308	0.48179	0.39800
112	14.078	0.99129	0.47258	0.48106	0.43100
127	14.098	0.99800	0.47291	0.48155	0.44900
127	14.093	0.99165	0.47274	0.48131	0.48600
137	14.093	0.99235	0.47308	0.48179	0.52200
147	13.788	0.97092	0.46286	0.46706	0.58800
157	14.158	0.99691	0.47526	0.48493	0.79300
167	14.143	0.99586	0.47475	0.49420	0.67000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.158	0.99691	0.47526	0.48493	-1.0000
-167	14.143	0.99586	0.47475	0.49420	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG THROUGH LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.158	0.99691	0.47526	0.48493	0.79300
177	14.158	0.99691	0.47526	0.48493	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG THROUGH LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.349	0.84352	0.44980	0.44824	0.79300
197	13.344	0.84065	0.44796	0.44558	0.84400

RUN27

WATER-1 FWH PRELIMINARY DATE 06/14/79 CADRETT REC 10/26/79 01:10:51.1 P1

EAC 944X1

PG# 0336

PG 1617

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
1	6.4210	1.45247	0.18115	0.26269	0.72200
27	0.8155	0.69167	0.27692	0.40155	0.82000
47	11.082	1.98525	0.39445	0.57129	0.91500
52	19.708	1.9518	0.47499	0.61627	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
12	16.545	1.1154	0.46678	0.67688	0.42200
67	12.998	0.97901	0.36749	0.52709	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	7.8839	0.55551	0.22742	0.32253	0.50800
82	19.767	1.3930	0.55768	0.80869	0.58300
92	14.131	0.92580	0.39867	0.57811	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-107	14.371	0.92158	0.39699	0.57567	-1.0000
-112	14.386	0.94764	0.39761	0.57628	-1.0000
-122	14.386	0.99263	0.40241	0.57628	-1.0000
-127	14.386	0.99123	0.39684	0.57546	-1.0000
-137	14.386	0.99333	0.39769	0.57669	-1.0000
-147	13.952	0.97611	0.39079	0.56660	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
107	14.371	0.99158	0.39699	0.57567	0.39800
112	14.386	0.99263	0.39741	0.57628	0.43100
122	14.386	0.99263	0.39741	0.57628	0.44900
127	14.386	0.99123	0.39684	0.57546	0.48600
137	14.386	0.99333	0.39769	0.57669	0.52200
147	13.952	0.97611	0.39079	0.56660	0.58800
-107	14.371	0.99158	0.39699	0.57567	-1.0000
-112	14.386	0.99263	0.39741	0.57628	-1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-107	14.151	0.99720	0.39924	0.57893	-1.0000
-107	14.151	0.99720	0.39924	0.57893	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
167	14.146	0.99885	0.39910	0.57873	0.79300
172	14.146	0.99885	0.39910	0.57873	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
192	13.319	0.93850	0.37573	0.54485	0.75300
197	12.164	0.92760	0.37137	0.53852	0.84400

RUN27

NASA-Lewis PRELIMINARY DATA 7/14/79 CADDILLAC PFC 13/26/79 01:11:36.061

EAC 00001

PCW 0036

PG 1616

ADDITIONAL PRESSURE RATIOS , PRIMARY MISC

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
22	7.2353	0.57761	0.19483	0.27174	0.72203
27	10.589	0.74671	0.27164	0.29936	0.82033
47	13.129	0.92467	0.33476	0.44614	0.91900
67	15.096	1.0627	0.38608	0.56888	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
42	17.952	1.2447	0.46052	0.67704	0.62200
62	18.172	0.99078	0.36898	0.53521	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
27	9.8227	0.67155	0.22632	0.33273	0.50800
47	12.917	0.99198	0.38868	0.49062	0.99300
62	14.117	0.90451	0.36213	0.53239	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	14.067	0.99998	0.36085	0.52996	-1.0000
112	14.067	0.99999	0.36085	0.53051	-1.0000
122	14.067	0.99998	0.36085	0.52938	-1.0000
127	14.067	0.99994	0.36047	0.52904	-1.0000
137	14.077	0.99169	0.36111	0.53088	-1.0000
147	13.877	0.97764	0.35599	0.52326	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	14.052	0.99994	0.36047	0.52994	0.39800
112	14.067	0.99999	0.36085	0.53051	0.43100
122	14.067	0.99998	0.36085	0.52938	0.44900
127	14.052	0.99994	0.36047	0.52904	0.48600
137	14.077	0.99169	0.36111	0.53088	0.52200
147	13.877	0.97764	0.35599	0.52326	0.58800
157	14.137	0.99501	0.36264	0.53314	-1.0000
167	14.137	0.99501	0.36264	0.53295	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLATE

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
157	14.137	0.99501	0.36264	0.53314	-1.0000
167	14.137	0.99501	0.36264	0.53295	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
147	14.137	0.99501	0.36264	0.53314	0.79300
177	14.137	0.99501	0.36264	0.53314	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
187	12.149	0.62633	0.33730	0.49589	0.79300
197	12.149	0.61384	0.33167	0.48761	0.84400

ORIGINAL PAGE IS
OF POOR QUALITY

RUN27

DATA-TIMES PRELIMINARY DATA 10/14/79 CADDREII PFC 10/26/79 01:14:11.387 FAC 8X6X1 PCM 0034 PDC 1616

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	9.7151	0.69551	0.19047	0.27952	1.72203
112	16.715	1.1936	0.33259	0.48868	0.82000
127	13.670	0.96459	0.26871	0.39331	0.61600
147	16.379	1.0111	0.28167	0.41227	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	23.639	1.6723	0.46885	0.68186	0.42200
112	19.977	1.3387	0.37293	0.54586	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	12.032	0.84902	0.23652	0.34619	0.50900
112	17.030	1.2017	0.33478	0.49998	0.98300
127	14.110	0.90499	0.27715	0.40567	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.019	0.99890	0.27549	0.40322	-1.0000
112	14.330	0.99996	0.27578	0.40366	-1.0000
127	14.310	0.99856	0.27539	0.40308	-1.0000
137	14.035	0.99031	0.27588	0.40380	-1.0000
147	14.100	0.99489	0.27715	0.40567	-1.0000
157	13.905	0.98115	0.27333	0.40006	-1.0000

ADDITIONAL PRESSURE RATIOS , FORBECOV INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.315	0.99890	0.27549	0.40322	0.39800
112	14.330	0.99996	0.27578	0.40366	0.43100
127	14.310	0.99856	0.27539	0.40308	0.44900
137	14.035	0.99031	0.27588	0.40380	0.49600
147	14.100	0.99489	0.27715	0.40567	0.52200
157	13.905	0.98115	0.27333	0.40006	0.58800
167	14.135	0.99736	0.27784	0.40667	1.0000
177	14.199	0.99736	0.27784	0.40667	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.135	0.99736	0.27784	0.40667	-1.0000
167	14.135	0.99736	0.27784	0.40667	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.135	0.99736	0.27784	0.40667	0.79300
177	14.135	0.99736	0.27784	0.40667	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.406	0.84592	0.26351	0.38570	0.79300
197	13.711	0.93219	0.25068	0.38010	0.84400

RUN 17

DATA-LEWIS PRELIMINARY DATA 07/14/75 CANNON PFC 10/26/79 01:15:22.728 FSC 88681 PGM 0074 PPG 1617

ADDITIONAL PRESSURE RATIOS - PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
17	13.493	0.73986	0.18446	0.26923	0.72700
17	16.138	1.1527	0.28723	0.41918	1.82700
47	15.994	1.1278	0.28117	0.41034	0.91967
97	11.671	0.81969	0.20690	0.29818	1.0170

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	26.375	1.8598	0.46767	0.67669	0.42200
47	22.538	1.4080	0.40101	0.47888	0.67000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
17	13.493	0.95072	0.23703	0.34592	0.50800
47	19.959	1.3442	0.33513	0.49909	0.58300
97	14.102	0.99438	0.24792	0.36181	1.67000

ADDITIONAL PRESSURE RATIOS - EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.312	0.99904	0.24634	0.35950	-1.0000
-112	14.347	0.99050	0.24695	0.36040	-1.0000
-122	13.998	0.99904	0.24607	0.35912	-1.0000
-127	14.332	0.99945	0.24669	0.36002	-1.0000
-137	14.112	0.99508	0.24809	0.36207	-1.0000
-147	13.928	0.99206	0.24484	0.35733	-1.0000

ADDITIONAL PRESSURE RATIOS - EJECTOR INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.312	0.99904	0.24634	0.35950	0.39800
112	14.347	0.99050	0.24695	0.36040	0.43100
122	13.998	0.99904	0.24607	0.35912	0.44900
127	14.332	0.99945	0.24669	0.36002	0.48600
137	14.112	0.99508	0.24809	0.36207	0.52200
147	13.928	0.99206	0.24484	0.35733	0.58800
-152	14.142	0.99719	0.24842	0.36283	1.79300
-157	14.117	0.99684	0.24853	0.36271	1.0000

ADDITIONAL PRESSURE RATIOS - CAN NOZZLE FLARE

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.142	0.99719	0.24842	0.36283	-1.0000
-157	14.117	0.99684	0.24853	0.36271	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.142	0.99719	0.24842	0.36283	1.79300
177	14.147	0.99754	0.24871	0.36296	1.84400

ADDITIONAL PRESSURE RATIOS - 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	13.269	0.92560	0.23326	0.34642	1.79300
187	12.263	0.91447	0.22799	0.33274	0.84400

RUN27

MASS-FLOW PRELIMINARY DATA 06/14/79 CADDELL REC 10/26/79 01:15:27.50

FAC SYAKI DSM 0334 DDG 161A

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
10	17.574	0.74230	0.18432	0.26921	0.72203
11	16.320	1.1520	0.28691	0.41774	0.82000
12	16.151	1.1223	0.28112	0.41059	0.91900
13	11.658	0.82239	0.20417	0.29970	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
10	26.478	1.9478	0.46276	0.67732	0.42200
11	27.644	1.4969	0.26163	0.52818	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
11	13.523	0.95443	0.22697	0.34610	0.50800
12	10.147	0.9902	0.22529	0.49062	0.58300
13	14.329	0.99458	0.24693	0.36066	0.67000

~~ADDITIONAL PRESSURE RATIOS , EXJECTOR SHROUD~~

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-100	14.009	0.98978	0.24978	0.35836	-1.0000
-110	14.044	0.99371	0.24507	0.35925	-1.0000
-120	13.994	0.98214	0.24510	0.35798	-1.0000
-127	14.119	0.98805	0.24553	0.35861	-1.0000
-130	14.114	0.99564	0.24720	0.36104	-1.0000
-140	13.919	0.99103	0.24379	0.35606	-1.0000

ADDITIONAL PRESSURE RATIOS , EXJECTOR INLET

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
100	14.030	0.98824	0.24526	0.35836	0.39900
110	14.044	0.99371	0.24597	0.35925	0.43100
120	13.994	0.98214	0.24510	0.35798	0.44900
127	14.119	0.98805	0.24553	0.35861	0.48600
130	14.114	0.99564	0.24720	0.36104	0.52200
140	13.919	0.99103	0.24379	0.35606	0.58800
150	14.144	0.99007	0.24399	0.36139	0.6330
160	14.144	0.99774	0.24772	0.36181	-1.0000

~~ADDITIONAL PRESSURE RATIOS , EXJECTOR FLOW~~

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-150	14.134	0.99774	0.24755	0.36155	-1.0000
-160	14.144	0.99775	0.24772	0.36181	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
160	13.130	0.99740	0.24763	0.36168	0.79300
170	14.130	0.99740	0.24763	0.36168	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
180	13.273	0.93612	0.22262	0.33946	0.79300
190	12.076	0.91524	0.22726	0.33132	0.84400

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OF POOR QUALITY

RUN27

WAS-111111 PRELIMINARY DATA 05/14/79 C/NOFF1 WFC 10/26/79 01:16:39.475

FAC 8X4X1

PGM 0074

PG 1619

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	0.2832	0.69927	0.10164	0.27620	0.72200
47	12.139	1.7097	0.33583	0.48098	0.92000
67	13.540	0.65565	0.36531	0.38709	0.91900
87	14.039	0.90088	0.27509	0.40138	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	23.808	1.6803	0.46650	0.68061	0.42200
47	19.976	1.3389	0.37182	0.54249	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.247	0.86438	0.22597	0.25012	0.50800
82	17.294	1.2147	0.33311	0.49183	0.58300
92	14.114	0.90617	0.27656	0.40359	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER S.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.074	0.98982	0.27480	0.40093	-1.0000
-117	14.074	0.98982	0.27480	0.40093	-1.0000
-127	14.074	0.98982	0.27480	0.40093	-1.0000
-137	14.074	0.98982	0.27480	0.40093	-1.0000
-147	14.074	0.98982	0.27480	0.40093	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER S.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.074	0.98982	0.27480	0.40093	0.39800
117	14.074	0.98982	0.27480	0.40093	0.43100
127	14.074	0.98982	0.27480	0.40093	0.44900
137	14.074	0.98982	0.27480	0.40093	0.48600
147	14.074	0.98982	0.27480	0.40093	0.52200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER S.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.129	0.90772	0.27600	0.40303	-1.0000
157	14.138	0.90793	0.27705	0.40421	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.144	0.90828	0.27715	0.40436	0.79300
177	14.129	0.90793	0.27705	0.40421	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
18	13.423	0.94710	0.26296	0.38266	0.79300
107	13.221	0.93309	0.26405	0.37795	0.84400

RUN27

VAS-LEWIS PRELIMINARY DATA 06/14/79 CADDIE DEC 10/26/79 01:17:29.492

FAC 3X6X1

DEM 0334

POB 1620

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	8.6385	0.60717	0.19498	0.29899	0.72206
37	13.878	0.97882	0.31432	0.46588	0.82000
47	11.381	0.79158	0.25098	0.37200	0.91900
52	15.575	1.0736	0.35119	0.52052	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	20.238	1.4253	0.45770	0.67839	0.42200
87	16.294	1.1893	0.36905	0.54700	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	10.482	0.73930	0.23741	0.35188	0.50900
82	14.881	1.0496	0.33705	0.49957	0.58300
92	14.117	0.99573	0.31975	0.47392	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.047	0.99080	0.31817	0.47158	-1.0000
-112	14.023	0.98904	0.31760	0.47074	-1.0000
-122	14.033	0.98974	0.31783	0.47107	-1.0000
-127	14.062	0.99185	0.31851	0.47208	-1.0000
-137	14.087	0.99361	0.31907	0.47292	-1.0000
-142	14.023	0.98199	0.31534	0.46739	-1.0000

ADDITIONAL PRESSURE RATIOS , FORPCDY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
137	14.047	0.99080	0.31817	0.47158	0.39800
112	14.023	0.98904	0.31760	0.47074	0.43100
122	14.033	0.98974	0.31783	0.47107	0.44900
127	14.062	0.99185	0.31851	0.47208	0.48600
137	14.087	0.99361	0.31907	0.47292	0.52200
142	14.023	0.98199	0.31534	0.46739	0.58800
152	14.142	0.99749	0.32032	0.47476	-1.0000
157	14.142	0.99749	0.32032	0.47476	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.142	0.99749	0.32032	0.47476	-1.0000
-157	14.142	0.99749	0.32032	0.47476	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.142	0.99749	0.32032	0.47476	0.79300
172	14.147	0.99784	0.32043	0.47493	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.333	0.94042	0.30199	0.44761	0.79300
187	13.124	0.92564	0.29724	0.44057	0.84400

RUN27

NACA-LFWTS PRELIMINARY DATA 06/14/79 CADDIE PFC 10/26/79 01:17:51.32R F4C RXAX1 PGM F074 BPG 1621

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
32	8.4323	0.57426	0.19158	0.29414	0.72200
37	13.889	0.97820	0.31536	0.46771	0.82000
47	10.954	0.77201	0.24888	0.36912	0.91900
49	15.438	1.0990	0.34301	0.52346	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
62	20.184	1.4225	0.45858	0.68014	0.42200
67	16.097	1.1344	0.36971	0.54240	0.87000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
77	10.450	0.73646	0.23742	0.35213	0.50800
87	14.769	1.0408	0.33354	0.49768	0.98300
92	14.115	0.99473	0.32069	0.47562	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
-107	14.045	0.99981	0.31910	0.47326	-1.0000
-117	14.015	0.98770	0.31842	0.47226	-1.0000
-127	14.025	0.98860	0.31865	0.47259	-1.0000
-127	14.050	0.99016	0.31921	0.47343	-1.0000
-137	14.085	0.99262	0.32001	0.47461	-1.0000
-147	13.920	0.98101	0.31626	0.46906	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
107	14.045	0.99981	0.31910	0.47326	0.39800
117	14.015	0.98770	0.31842	0.47226	0.43100
127	14.025	0.98860	0.31865	0.47259	0.44900
127	14.050	0.99016	0.31921	0.47343	0.48800
137	14.085	0.99262	0.32001	0.47461	0.52200
147	13.920	0.98101	0.31626	0.46906	0.58900
-152	14.135	0.99614	0.32114	0.47629	-1.0000
-157	14.140	0.99649	0.32125	0.47646	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN MUFFLE PLUG

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
-152	14.135	0.99614	0.32114	0.47629	-1.0000
-157	14.140	0.99649	0.32125	0.47646	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
167	14.145	0.99685	0.32137	0.47663	0.79300
177	14.140	0.99649	0.32125	0.47646	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
187	13.321	0.92879	0.30245	0.44887	0.79300
197	13.116	0.92437	0.29800	0.44158	0.84400

RUN27

NASA-LFWIS PRELIMINARY DATA 04/14/79 FANDELL REC 10/26/79 01:18:35.877

FAC 3X6X1

PGM 5134

PG 1622

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	7.2023	0.51351	0.18649	0.27350	0.72200
117	10.696	0.75423	0.27391	0.46170	0.82000
127	13.014	0.91777	0.33228	0.48877	0.91900
152	15.117	1.06607	0.39714	0.56775	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	18.029	1.2713	0.46170	0.67711	0.42200
157	14.773	1.0065	0.36552	0.53605	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	8.9868	0.63371	0.23014	0.33751	0.50800
82	13.199	0.93074	0.33801	0.49571	0.58300
92	14.118	0.99555	0.36155	0.53023	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SURROUND

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.773	0.99097	0.35989	0.52779	-1.0000
-117	14.018	0.98851	0.35899	0.52648	-1.0000
-122	14.038	0.98991	0.35950	0.52723	-1.0000
-127	14.058	0.99132	0.36002	0.52798	-1.0000
-137	14.083	0.99309	0.36066	0.52892	-1.0000
-142	13.918	0.98146	0.35643	0.52273	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.053	0.99097	0.35989	0.52779	0.39800
117	14.018	0.98851	0.35899	0.52648	0.43100
122	14.038	0.98991	0.35950	0.52723	0.46900
127	14.058	0.99132	0.36002	0.52798	0.48600
137	14.083	0.99309	0.36066	0.52892	0.52200
142	13.918	0.98146	0.35643	0.52273	0.58800
-152	14.138	0.99696	0.36206	0.53098	-1.0000
-157	14.138	0.99696	0.36206	0.53098	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE PLAT

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	14.138	0.99696	0.36206	0.53098	-1.0000
-157	14.138	0.99696	0.36206	0.53098	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.138	0.99696	0.36206	0.53098	0.79300
172	14.138	0.99696	0.36194	0.53079	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.174	0.92897	0.33737	0.40477	0.79300
187	12.344	0.91277	0.33149	0.48614	0.84400

RUN 27

NACA-1F115 PRELIMINARY DATA 04/14/79 CADDF11 REF 10/26/79 01:10:05.73A FAC BXAX1 007 0074 000 1623

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
32	6.4512	0.45412	0.18136	0.26305	0.72200
37	9.7346	0.68595	0.27398	0.39734	0.82000
47	17.986	0.98449	0.39318	0.57024	0.91900
57	19.784	1.0897	0.42323	0.61384	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
62	11.572	1.1656	0.46591	0.67574	0.42200
67	12.897	0.90784	0.36247	0.52587	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
77	8.0106	0.56389	0.22521	0.32653	0.50800
82	14.528	1.3747	0.54901	0.79627	0.58300
92	14.130	0.99468	0.39725	0.57617	0.67000

~~ADDITIONAL PRESSURE RATIOS , SECTION ENDING~~

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
107	14.389	0.99117	0.39585	0.57413	-1.0000
112	14.326	0.98730	0.39431	0.57189	-1.0000
122	14.356	0.98941	0.39515	0.57311	-1.0000
127	14.371	0.99046	0.39557	0.57372	-1.0000
137	14.395	0.99222	0.39627	0.57474	-1.0000
147	13.931	0.98062	0.39164	0.56802	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
107	14.389	0.99117	0.39585	0.57413	0.39800
112	14.326	0.98730	0.39431	0.57189	0.43100
122	14.356	0.98941	0.39515	0.57311	0.44900
127	14.371	0.99046	0.39557	0.57372	0.48600
137	14.395	0.99222	0.39627	0.57474	0.52200
147	13.931	0.98062	0.39164	0.56802	0.58800
152	14.155	0.99644	0.39796	0.57719	-1.0000
157	14.150	0.99609	0.39782	0.57658	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP~~

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
152	14.155	0.99644	0.39796	0.57719	-1.0000
157	14.150	0.99609	0.39782	0.57658	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
167	14.155	0.99644	0.39796	0.57719	0.79300
177	14.150	0.99609	0.39782	0.57658	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X/DMAX
187	13.216	0.63738	0.37437	0.54297	0.79300
197	13.167	0.62683	0.37016	0.53686	0.84400

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RUN27

ENG 1424

PCW 0034

PAR 0041

PER 10/26/79 01:10:53.101

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06/14/79

NOCLIMINARY DATA

ADDITIONAL PRESSURE RATIOS, PRIMARY PLIN

AVD WORN	PI	PI/PO	PI/PTP	PI/PTP	X/DMAX
12	10.268	0.72296	0.24564	0.40550	0.72203
17	11.418	0.94489	0.64892	0.64765	0.82003
17	16.217	1.0011	0.47566	0.68222	0.91900
17	16.447	1.0243	0.48702	0.70262	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVD WORN	PI	PI/PO	PI/PTP	PI/PTP	X/DMAX
12	14.202	1.0000	0.47516	0.48530	0.42203
17	11.989	0.83719	0.39774	0.57387	0.67003

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WORN	PI	PI/PO	PI/PTP	PI/PTP	X/DMAX
12	11.330	0.70770	0.37906	0.54886	0.50800
17	16.090	1.1330	0.99832	0.77682	0.98700
17	16.142	0.94582	0.47315	0.68261	0.67000

AVD WORN	PI	PI/PO	PI/PTP	PI/PTP	X/DMAX
12	16.092	0.99231	0.47188	0.68020	1.00000
112	16.037	0.98444	0.46964	0.67755	1.00000
127	16.077	0.99129	0.47098	0.67947	1.00000
137	16.172	0.99195	0.47132	0.67996	1.00000
147	16.172	0.99301	0.47182	0.68068	1.00000
157	16.173	0.99380	0.47279	0.68177	1.00000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WORN	PI	PI/PO	PI/PTP	PI/PTP	X/DMAX
107	16.092	0.99231	0.47188	0.68020	0.98000
117	16.037	0.98444	0.46964	0.67755	0.43100
127	16.077	0.99129	0.47098	0.67947	0.48000
137	16.172	0.99195	0.47132	0.67996	0.48600
147	16.172	0.99301	0.47182	0.68068	0.52200
157	16.173	0.99380	0.47279	0.68177	0.58000

AVD WORN	PI	PI/PO	PI/PTP	PI/PTP	X/DMAX
167	16.152	0.98853	0.47449	0.68309	1.00000
177	16.162	0.99723	0.47382	0.68347	1.00000

ADDITIONAL PRESSURE RATIOS, 20 DEG. SHOWN LOCATION

AVD WORN	PI	PI/PO	PI/PTP	PI/PTP	X/DMAX
167	16.157	0.98688	0.47366	0.68333	0.79300
177	16.162	0.99723	0.47382	0.68357	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG. SHOWN LOCATION

AVD WORN	PI	PI/PO	PI/PTP	PI/PTP	X/DMAX
167	16.147	0.98447	0.46876	0.68741	0.79300
177	16.153	0.98425	0.46875	0.68652	0.84400

RUN27

NACA-LEWIS PPFLIMINARY DATA 06/14/79 CASEFII REC 10/26/79 01:20:42.845 FAC BXAXY PGM C234 PPG 1625

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	12.735	0.89574	0.49692	0.72484	0.72200
27	13.739	0.96636	0.53617	0.78199	0.82000
47	14.384	0.99060	0.54954	0.80161	0.91900
62	14.289	1.0090	0.55744	0.81326	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	13.549	0.95301	0.52869	0.77118	0.42200
67	12.970	0.91225	0.50608	0.73820	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.851	0.83354	0.46241	0.67451	0.50800
82	15.213	1.0700	0.59359	0.86586	0.58300
92	14.169	0.99658	0.55286	0.80644	0.67300

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.139	0.99447	0.55169	0.80473	-1.0000
112	14.054	0.98849	0.54838	0.79990	-1.0030
122	14.114	0.99271	0.55071	0.80331	-1.0000
127	14.169	0.99658	0.55286	0.80644	-1.0030
137	14.119	0.99306	0.55091	0.80360	-1.0030
142	13.869	0.97550	0.54116	0.78928	-1.0030

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.139	0.99447	0.55169	0.80473	0.39800
112	14.054	0.98849	0.54838	0.79990	0.43100
122	14.114	0.99271	0.55071	0.80331	0.44900
127	14.169	0.99658	0.55286	0.80644	0.48600
137	14.119	0.99306	0.55091	0.80360	0.52200
142	13.869	0.97550	0.54116	0.78928	0.58800
152	14.184	0.99763	0.55344	0.80729	-1.0000
157	14.184	0.99763	0.55344	0.80729	-1.0000

ADDITIONAL PRESSURE RATIOS , FEN 10/71E F12P

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	14.184	0.99763	0.55344	0.80729	-1.0000
157	14.184	0.99763	0.55344	0.80729	-1.0030

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.174	0.99693	0.55305	0.80672	0.79300
172	14.179	0.99728	0.55325	0.80701	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.534	0.95195	0.52810	0.77033	0.79300
187	13.479	0.94899	0.52596	0.76720	0.84400

RUN27

NASA-LEWIS PRELIMINARY DATA 06/14/79 CADDIEI REC 10/26/79 01:22:25.556 FAC 3XAXI PGW 034 PPG 1626

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	7.2523	0.51076	0.18569	0.27219	0.72200
37	10.640	0.74937	0.27247	0.35934	0.82000
47	13.388	0.92174	0.33509	0.49120	0.91900
52	15.110	1.0642	0.38687	0.56711	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	18.026	1.2696	0.46154	0.67655	0.42200
67	14.261	1.0044	0.36514	0.53524	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.8865	0.67586	0.22752	0.33352	0.50800
82	13.367	0.94144	0.34229	0.50169	0.58300
92	14.122	0.99455	0.36156	0.53000	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.037	0.98998	0.35990	0.52756	-1.0000
-112	14.027	0.98787	0.35913	0.52643	-1.0000
-122	14.037	0.98857	0.35938	0.52681	-1.0000
-127	14.062	0.99033	0.36002	0.52775	-1.0000
-137	14.002	0.98244	0.36079	0.52887	-1.0000
-142	13.982	0.97767	0.35542	0.52100	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.057	0.98998	0.35990	0.52756	0.39800
112	14.027	0.98787	0.35913	0.52643	0.43100
122	14.037	0.98857	0.35938	0.52681	0.44900
127	14.062	0.99033	0.36002	0.52775	0.48600
137	14.002	0.98244	0.36079	0.52887	0.52200
142	13.982	0.97767	0.35542	0.52100	0.58800
-107	14.037	0.98998	0.35990	0.52756	-1.0000
-112	14.027	0.98787	0.35913	0.52643	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.142	0.99596	0.36202	0.53075	-1.0000
-157	14.137	0.99561	0.36194	0.53056	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.137	0.99561	0.36194	0.53056	0.79300
172	14.137	0.99561	0.36194	0.53056	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.163	0.92702	0.33701	0.49401	0.79300
187	12.938	0.91119	0.33125	0.48557	0.84400

RUN27

PAGE 1628

PGM C334

PAR AXIAL

DEC 10/26/79 02:00:34.513

PRELIMINARY DATA 06/14/79 CANNON

AXIAL PRESSURE RATIOS, PRIMARY PUMP

AVG W/NO	PL	PI/PN	PI/PT	PI/PTP	X/DMAX
12	14.018	0.9377	0.4437	0.7499	3.72200
17	15.378	1.0365	0.4768	0.8066	0.82000
17	15.553	1.0315	0.4874	0.8217	0.91900
17	15.573	1.0462	0.4970	0.8309	1.01170

AXIAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG W/NO	PL	PI/PN	PI/PT	PI/PTP	X/DMAX
17	14.719	0.9837	0.4613	0.7884	0.42200
17	15.183	0.9567	0.4598	0.7870	0.67000

AXIAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG W/NO	PL	PI/PN	PI/PT	PI/PTP	X/DMAX
17	12.333	0.8232	0.3008	0.6592	0.50800
17	17.837	1.1904	0.5616	0.9428	0.83000
17	15.033	1.0315	0.4745	0.8026	0.87000

AXIAL PRESSURE RATIOS, EJECTION SHROUD

AVG W/NO	PL	PI/PN	PI/PT	PI/PTP	X/DMAX
17	14.533	0.9700	0.4568	0.7751	1.00000
17	14.448	0.9642	0.4519	0.7727	1.00000
17	14.443	0.9640	0.4518	0.7727	1.00000
17	14.718	0.9824	0.4640	0.7871	1.00000
17	14.648	0.9804	0.4644	0.7880	1.00000
17	14.448	0.9650	0.4578	0.7730	1.00000

AXIAL PRESSURE RATIOS, EJECTION INLET

AVG W/NO	PL	PI/PN	PI/PT	PI/PTP	X/DMAX
17	14.533	0.9700	0.4568	0.7751	0.39800
17	14.448	0.9642	0.4519	0.7727	0.33100
17	14.443	0.9640	0.4518	0.7727	0.34900
17	14.718	0.9824	0.4640	0.7871	0.48600
17	14.648	0.9804	0.4644	0.7880	0.52200
17	14.448	0.9650	0.4578	0.7730	0.58800
17	14.533	0.9700	0.4568	0.7751	1.00000
17	14.448	0.9642	0.4519	0.7727	1.00000

AXIAL PRESSURE RATIOS, EJECTION FLOW

AVG W/NO	PL	PI/PN	PI/PT	PI/PTP	X/DMAX
17	15.313	1.0371	0.4748	0.8034	1.00000
17	15.718	1.0325	0.4740	0.8034	1.00000

AXIAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG W/NO	PL	PI/PN	PI/PT	PI/PTP	X/DMAX
17	15.318	1.0318	0.4747	0.8029	0.79300
17	15.718	1.0318	0.4747	0.8029	0.84400

AXIAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVG W/NO	PL	PI/PN	PI/PT	PI/PTP	X/DMAX
17	14.963	0.9021	0.4709	0.7951	0.79300
17	14.448	0.9657	0.4576	0.7743	0.84400

RUN27

MASS-LIFWIS PRELIMINARY DATA 06/14/79 RANDPIL REC 10/26/79 02:01:46.840 PGM C334 PFC 1870

>ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
37	11.113	0.73009	0.20451	0.40010	0.72200
37	11.998	0.83028	0.37066	0.62983	0.82000
47	15.372	1.0224	0.40738	0.69217	0.91900
47	15.782	1.0620	0.42344	0.71963	1.01170

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVD WORN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
67	15.162	1.0084	0.40182	0.64272	0.42200
67	15.943	0.82422	0.32843	0.44802	0.67000

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WORN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
77	8.5776	0.57047	0.22732	0.38623	0.50800
87	21.155	1.4069	0.56062	0.65254	0.58300
92	15.058	1.0314	0.30004	0.67799	0.67000

>ADDITIONAL PRESSURE RATIOS, EJECTION SHROUD

AVD WORN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
-107	15.618	0.97216	0.38758	0.65619	-1.0000
-117	15.538	0.96484	0.38526	0.65459	-1.0000
-127	15.553	0.96784	0.38566	0.65526	-1.0000
-127	15.823	0.98579	0.39281	0.66742	-1.0000
-137	15.943	0.98712	0.39334	0.66832	-1.0000
-152	15.688	0.97682	0.38024	0.66134	-1.0000

>ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVD WORN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
107	15.618	0.97216	0.38758	0.65619	0.39800
117	15.538	0.96484	0.38526	0.65459	0.43100
127	15.553	0.96784	0.38566	0.65526	0.44800
127	15.823	0.98579	0.39281	0.66742	0.48600
137	15.843	0.98712	0.39334	0.66832	0.52200
142	15.688	0.97682	0.38024	0.66134	0.58800
152	15.346	0.96317	0.36817	0.64832	0.60900
152	15.295	1.0011	0.38491	0.67777	-1.0000

>ADDITIONAL PRESSURE RATIOS, SAN NOZZLE FLAP

AVD WORN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
-152	15.363	0.97117	0.38917	0.67822	-1.0000
-157	15.353	1.0311	0.39891	0.67777	-1.0000

>ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
167	15.043	1.0311	0.39491	0.67777	0.79300
172	15.748	1.0304	0.39877	0.67754	0.84400

>ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORN	PL	PI/PN	PI/PTE	PI/PTP	X/DMAX
182	15.893	0.89045	0.39447	0.67057	0.79300
177	15.433	0.84384	0.38407	0.65254	0.84400

RUN27

NASA-LFWIS PRELIMINARY DATA 04/14/79 CADDII REC 10/26/79 02:12:48.50R FAP AX6X1 PCM 7334 RDC 1630

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	7.3589	0.46957	0.17027	0.24966	0.72200
37	11.933	0.79379	0.28776	0.48966	0.82000
47	15.355	1.0215	0.37029	0.63011	0.91900
57	18.754	1.0813	0.39198	0.66721	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	16.619	1.1355	0.40077	0.68197	0.42200
67	13.726	0.91312	0.33101	0.56327	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	9.6536	3.64218	0.23280	0.39614	3.50800
82	19.732	1.2860	0.45898	0.79098	0.58300
97	15.025	0.99953	0.36234	0.61658	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SURROUND

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.908	0.97161	0.35222	0.59936	-1.0000
-112	14.536	0.96696	0.35053	0.59649	-1.0000
-127	14.941	0.96729	0.35065	0.59669	-1.0000
-127	14.911	0.98524	0.35716	0.60776	-1.0000
-137	14.826	0.98624	0.35752	0.60838	-1.0000
-147	14.751	0.98125	0.35571	0.60530	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.606	0.97161	0.35222	0.59936	0.39800
112	14.536	0.96696	0.35053	0.59649	0.43100
127	14.941	0.96729	0.35065	0.59669	0.44900
127	14.911	0.98524	0.35716	0.60776	0.48600
137	14.826	0.98624	0.35752	0.60838	0.52200
147	14.751	0.98125	0.35571	0.60530	0.58800
157	14.615	0.98887	0.36219	0.61617	1.0000
167	14.519	0.98853	0.36198	0.61596	1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	15.016	0.99887	0.36219	0.61617	-1.0000
-167	15.310	0.99853	0.36198	0.61596	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.910	0.99853	0.36198	0.61596	0.79300
177	15.310	0.99853	0.36198	0.61596	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.711	0.97859	0.35475	0.60366	0.79300
197	14.706	0.95131	0.36475	0.58665	0.84400

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OF POOR QUALITY

RUN 27

NACA-LFWIC PRELIMINARY DATA 36/14/79 CADDEII REC 10/26/79 02:04:09.557 FAC MAXI PG# 0034 PDG 1631

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	8.2233	0.54836	0.17596	0.29882	0.72200
47	11.732	0.91571	0.29384	0.49900	0.82000
47	11.713	0.78107	0.25064	0.42563	0.91900
47	16.941	1.1037	0.35415	0.60141	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	19.929	1.2556	0.40291	0.68421	0.42200
67	15.551	1.0970	0.33277	0.58510	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.063	0.73773	0.23673	0.40201	0.50800
92	15.641	1.0490	0.33469	0.58837	0.58300
92	15.302	1.0004	0.32101	0.54513	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.627	0.97537	0.31299	0.53151	-1.0000
-112	14.562	0.97103	0.31160	0.52915	-1.0000
-122	14.567	0.97137	0.31170	0.52933	-1.0000
-127	14.827	0.98870	0.31726	0.53877	-1.0000
-137	14.442	0.98970	0.31758	0.53931	-1.0000
-147	14.872	0.99169	0.31823	0.54040	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.627	0.97537	0.31299	0.53151	0.39800
112	14.562	0.97103	0.31160	0.52915	0.43100
122	14.567	0.97137	0.31170	0.52933	0.44900
127	14.827	0.98870	0.31726	0.53877	0.48600
137	14.442	0.98970	0.31758	0.53931	0.52200
147	14.872	0.99169	0.31823	0.54040	0.58800
152	15.002	1.0004	0.32101	0.54513	1.0000
157	15.332	1.0004	0.32101	0.54513	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.002	1.0004	0.32101	0.54513	-1.0000
-157	15.332	1.0004	0.32101	0.54513	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.337	1.0007	0.22111	0.54531	0.79300
177	15.337	1.0007	0.22111	0.54531	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.662	0.97770	0.21374	0.53278	0.79300
187	14.747	0.94971	0.20675	0.51752	0.84400

RUN 27

NACA-I FWIS PRELIMINARY DATA 76/14/79 CADDIE REC 10/26/79 02:05:32.518 FAC RXAX1 PCM F034 RRG 1632

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	9.4752	0.67985	0.17407	0.29632	0.72200
77	16.742	1.7863	0.73027	0.51108	3.82000
67	13.524	0.89899	0.74944	0.42294	0.91900
67	16.797	1.1166	0.70858	0.52530	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	21.998	1.4623	0.40413	0.48796	0.42200
67	18.281	1.2152	0.33884	0.47171	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.929	0.85946	0.23753	0.40434	0.50800
67	14.296	1.2162	0.33612	0.57218	0.58300
92	15.033	0.99964	0.27627	0.47030	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-127	14.698	0.97440	0.26929	0.45842	-1.0000
-112	14.588	0.96975	0.26801	0.45623	-1.0000
-127	14.613	0.97141	0.26846	0.45701	-1.0000
-127	14.973	0.98868	0.27324	0.46514	-1.0000
-137	14.863	0.98802	0.27306	0.46483	-1.0000
-142	14.913	0.99134	0.27397	0.46639	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.658	0.97440	0.26929	0.45842	0.39800
112	14.588	0.96975	0.26801	0.45623	0.43100
127	14.613	0.97141	0.26846	0.45701	0.44900
127	14.973	0.98868	0.27324	0.46514	0.48600
137	14.863	0.98802	0.27306	0.46483	0.52200
142	14.913	0.99134	0.27397	0.46639	0.58800
-142	14.913	0.99134	0.27397	0.46639	-1.0000
-147	14.949	0.99997	0.27636	0.47045	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.343	0.99997	0.27636	0.47045	-1.0000
-152	15.043	0.99997	0.27636	0.47045	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.038	0.99964	0.27627	0.47030	0.79300
177	15.748	1.0003	0.27645	0.47061	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	15.228	0.98534	0.27232	0.46358	0.79300
197	14.446	0.96011	0.26534	0.45170	0.84400

RUN27

NACA-LEWIS PRELIMINARY DATA 06/14/79 CANNFII PEF 10/26/79 02:06:51.165 FAR 9X6X1 PGM 0774 PDG 1637

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	9.6736	0.44306	0.16014	0.28879	0.72203
37	16.948	1.1270	0.29642	0.40617	0.82000
47	14.703	0.94427	0.24835	0.42404	0.91900
49	16.743	1.1299	0.29668	0.40697	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	22.940	1.5254	0.47121	0.68504	0.42200
67	19.932	1.2529	0.32937	0.55238	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.615	0.90534	0.23812	0.40658	0.50800
82	19.727	1.2785	0.33627	0.57417	0.58300
92	15.744	1.0004	0.26312	0.44927	0.67000

~~ADDITIONAL PRESSURE RATIOS , EFFECTOR SHROUD~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.684	0.97646	0.25683	0.43852	-1.0000
112	14.619	0.97214	0.25569	0.43658	-1.0000
122	14.639	0.97347	0.25604	0.43718	-1.0000
127	14.894	0.99042	0.26050	0.44479	-1.0000
137	14.874	0.98909	0.26015	0.44419	-1.0000
147	14.974	0.99574	0.26190	0.44718	-1.0000

ADDITIONAL PRESSURE RATIOS , FORERODY INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.684	0.97646	0.25683	0.43852	0.39800
112	14.619	0.97214	0.25569	0.43658	0.43100
122	14.639	0.97347	0.25604	0.43718	0.44900
127	14.894	0.99042	0.26050	0.44479	0.48600
137	14.874	0.98909	0.26015	0.44419	0.52200
147	14.974	0.99574	0.26190	0.44718	0.58800
157	15.339	1.0001	0.26303	0.44912	1.0000
157	15.339	1.0001	0.26303	0.44912	1.0000

~~ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	15.339	1.0001	0.26303	0.44912	-1.0000
157	15.339	1.0001	0.26303	0.44912	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.339	1.0001	0.26303	0.44912	0.79300
177	15.339	1.0001	0.26303	0.44912	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.959	0.98809	0.25989	0.44374	0.79300
187	14.977	0.96284	0.25324	0.43740	0.84400

RUN27

NA31-LFWIS PRELIMINARY DATA 06/14/79 CADDII REC 10/26/79 02:07:14.063 FAC 9X6Y1 PGW C374 PRG 1634

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
72	9.6634	0.64335	0.16942	0.28858	0.72200
77	17.022	1.1333	0.29846	0.50835	0.82000
47	14.148	0.94193	0.24807	0.42252	0.91900
57	16.952	1.1286	0.29723	0.50726	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	22.900	1.5246	0.40151	0.68387	0.42200
67	19.795	1.2914	0.37957	0.56133	0.87000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.578	0.93399	0.23808	0.40550	0.50800
82	19.228	1.2800	0.33711	0.57417	0.58300
92	15.038	1.0012	0.26367	0.44909	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.673	0.97687	0.25727	0.43819	-1.0000
112	14.619	0.97321	0.25631	0.43655	-1.0000
127	14.638	0.97454	0.25666	0.43715	-1.0000
127	14.883	0.99085	0.26095	0.44446	-1.0000
137	14.878	0.99051	0.26087	0.44431	-1.0000
142	14.973	0.99684	0.26253	0.44715	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.673	0.97687	0.25727	0.43819	0.39800
112	14.619	0.97321	0.25631	0.43655	0.43100
127	14.638	0.97454	0.25666	0.43715	0.44900
127	14.883	0.99085	0.26095	0.44446	0.48600
137	14.878	0.99051	0.26087	0.44431	0.52200
142	14.973	0.99684	0.26253	0.44715	0.58800
152	15.038	1.0012	0.26367	0.44909	1.0000
157	15.028	1.0005	0.26249	0.44879	1.0000

~~ADDITIONAL PRESSURE RATIOS , PAN NOZZLE PLUG~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	15.038	1.0012	0.26367	0.44909	-1.0
157	15.028	1.0005	0.26249	0.44879	-1.0

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
177	15.033	1.0008	0.26358	0.44894	0.79300
177	15.033	1.0008	0.26358	0.44894	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.949	0.98852	0.26034	0.44342	0.79300
187	14.473	0.96356	0.25777	0.43222	0.84400

RUN27

SEC 10/26/79 02:08:23.477 PGM F03C PNC 1435

FOR HVALI

SEC 10/26/79 02:08:23.477

CANDELL

PRELIMINARY DATA 00/14/79

SECONDARY PRESSURE RATIOS, PRIMARY PLUG

AVD WOOD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
32	0.4575	0.63034	0.17300	0.29689	0.72200
37	16.369	1.0010	0.70114	0.51385	0.82000
47	13.411	0.89386	0.24672	0.42100	0.91900
92	10.710	1.1143	0.77768	0.62888	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOOD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
32	21.020	1.4610	0.40326	0.69810	0.42200
47	19.333	1.2019	0.33726	0.57549	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WOOD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	13.106	0.87354	0.24112	0.41143	0.50800
92	15.020	1.0011	0.27632	0.47141	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOOD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	14.640	0.97474	0.26034	0.45848	1.0000
112	14.575	0.98144	0.27814	0.45145	1.0000
127	14.400	0.97240	0.26842	0.45802	1.0000
137	14.840	0.98912	0.27302	0.46586	1.0000
147	14.870	0.99111	0.27357	0.46680	1.0000
162	14.045	0.99744	0.27531	0.46078	1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOOD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
137	14.640	0.97474	0.26034	0.45848	0.39800
112	14.575	0.98144	0.27814	0.45145	0.43100
127	14.400	0.97240	0.26842	0.45802	0.44900
137	14.840	0.98912	0.27302	0.46586	0.48600
147	14.870	0.99111	0.27357	0.46680	0.52200
162	14.045	0.99744	0.27531	0.46078	0.58800
162	14.045	0.99744	0.27531	0.46078	1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOOD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
142	14.505	0.98944	0.27557	0.47072	1.0000
157	14.065	0.98744	0.27587	0.47072	1.0000

ADDITIONAL PRESSURE RATIOS, 20 NEG. SHOWN IN RATION

AVD WOOD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
147	14.905	0.99944	0.27587	0.47072	0.79300
172	15.330	1.00977	0.27594	0.47088	0.84400

ADDITIONAL PRESSURE RATIOS, 40 NEG. SHOWN IN RATION

AVD WOOD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
182	14.745	0.99612	0.27219	0.46445	0.79300
187	14.431	0.98181	0.26548	0.45300	0.84400

RUN 27

MASS-Lewis PRELIMINARY DATA 36/14/79 CADDFII EC 10/26/79 00:10:34.475 FAC 8VAX1 PGM 0034 PPG 1636

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	8.2241	0.54569	0.17540	0.29933	0.72200
37	12.729	0.91098	0.29282	0.49969	0.82000
47	12.045	0.79910	0.25688	0.43838	0.91900
52	15.673	1.1017	0.35411	0.60420	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
82	18.837	1.2499	0.40176	0.68560	0.42200
87	15.639	1.0377	0.39354	0.56919	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.180	0.74180	0.23844	0.40690	0.50800
82	15.784	1.0673	0.33663	0.57446	0.58300
87	15.069	0.99986	0.32139	0.54845	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.669	0.97333	0.31286	0.53390	-1.0000
-112	14.679	0.96935	0.31158	0.53171	-1.0000
-122	14.679	0.97088	0.31201	0.53244	-1.0000
-127	14.889	0.98792	0.31755	0.54190	-1.0000
-137	14.879	0.98726	0.31734	0.54154	-1.0000
-142	14.974	0.99356	0.31936	0.54499	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.669	0.97333	0.31286	0.53390	0.39800
112	14.679	0.96935	0.31158	0.53171	0.43100
122	14.679	0.97088	0.31201	0.53244	0.44900
127	14.889	0.98792	0.31755	0.54190	0.48600
137	14.879	0.98726	0.31734	0.54154	0.52200
142	14.974	0.99356	0.31936	0.54499	0.58800
-147	15.069	0.99986	0.32139	0.54845	-1.0000
-152	15.074	1.00002	0.32149	0.54863	-1.0000

ADDITIONAL PRESSURE RATIOS , PAN NOZZLE PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.069	0.99986	0.32139	0.54845	-1.0000
-157	15.074	1.00002	0.32149	0.54863	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.084	1.0009	0.32171	0.54900	0.79300
172	15.074	1.00002	0.32149	0.54863	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.729	0.97731	0.31414	0.53608	0.79300
187	14.794	0.94846	0.30486	0.52025	0.84400

RUN27

PAGE 1837

PCW 0034

FAR 84641

REC 10/26/79 02:12:57.277

CANNEL

06/14/79

PRELIMINARY DATA

ADDITIONAL PRESSURE RATIOS & FLOW SPLITTER

AVD W/POD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
35	7.0693	0.47107	0.17064	0.29043	0.72200
37	11.489	0.79162	0.28674	0.48806	0.82000
47	15.318	1.0208	0.36076	0.62933	0.91900
48	18.208	1.3409	0.50123	0.86987	1.0170

ADDITIONAL PRESSURE RATIOS & FLOW SPLITTER I.D.

AVD W/POD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
47	15.603	1.1063	0.40076	0.68209	0.42200
47	18.749	0.91619	0.49184	0.90486	0.67000

ADDITIONAL PRESSURE RATIOS & FLOW SPLITTER O.D.

AVD W/POD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	9.6609	0.64303	0.23293	0.39645	0.50800
47	18.148	1.2984	0.49781	0.74532	0.58300
57	14.999	0.80945	0.36204	0.61619	0.67000

ADDITIONAL PRESSURE RATIOS & FLOW SPLITTER

AVD W/POD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.694	0.97314	0.35251	0.59997	0.39800
117	14.529	0.96815	0.35070	0.59689	0.43100
127	14.539	0.96881	0.35094	0.59739	0.44900
127	14.794	0.98580	0.35709	0.60777	0.48600
137	14.034	0.90312	0.35075	0.61229	0.52200
147	14.744	0.98247	0.35589	0.60572	0.58800
157	14.999	0.90870	0.36189	0.61478	0.60000
157	14.999	0.90870	0.36189	0.61478	0.60000

ADDITIONAL PRESSURE RATIOS & FLOW SPLITTER

AVD W/POD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.694	0.97314	0.35251	0.59997	0.39800
117	14.529	0.96815	0.35070	0.59689	0.43100
127	14.539	0.96881	0.35094	0.59739	0.44900
127	14.794	0.98580	0.35709	0.60777	0.48600
137	14.034	0.90312	0.35075	0.61229	0.52200
147	14.744	0.98247	0.35589	0.60572	0.58800
157	14.999	0.90870	0.36189	0.61478	0.60000
157	14.999	0.90870	0.36189	0.61478	0.60000

ADDITIONAL PRESSURE RATIOS & FLOW SPLITTER

AVD W/POD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.989	0.90870	0.36189	0.61478	0.60000
157	14.989	0.90870	0.36189	0.61478	0.60000

ADDITIONAL PRESSURE RATIOS & FLOW SPLITTER

AVD W/POD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.994	0.90912	0.36182	0.61598	0.79300
177	14.994	0.90912	0.36182	0.61598	0.84400

ADDITIONAL PRESSURE RATIOS & FLOW SPLITTER

AVD W/POD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.994	0.90914	0.36568	0.6367	0.79300
187	14.994	0.90914	0.36568	0.6367	0.84400

RUN27

NASA-Lewis PRELIMINARY DATA 36/14/79 CANDELL RFC 10/26/79 02:14:27.004 FAC RVAX1 PGM C034 PPG 1638

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	11.399	0.73934	0.29474	0.49968	0.72200
37	13.967	0.92848	0.77079	0.62861	0.82000
47	15.372	1.0222	0.47821	0.69206	0.91900
52	15.257	1.0611	0.47374	0.71838	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	15.147	1.0772	0.40224	0.68194	0.42200
67	17.379	0.82317	0.72872	0.55729	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.5591	0.56915	0.22729	0.38533	0.50800
82	21.038	1.3790	0.55868	0.94715	0.38300
92	15.232	0.99960	0.39919	0.67676	0.67000

~~ADDITIONAL PRESSURE RATIOS , EFFECTIVE SHROUD~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.508	0.97135	0.38791	0.65764	-1.0000
112	14.528	0.96604	0.38579	0.65404	-1.0000
122	14.528	0.96604	0.38579	0.65404	-1.0000
127	14.937	0.98464	0.39322	0.66664	-1.0000
137	14.907	0.98431	0.39309	0.66641	-1.0000
142	14.673	0.97567	0.38664	0.66056	-1.0000

ADDITIONAL PRESSURE RATIOS , FORERODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.508	0.97135	0.38791	0.65764	0.39800
112	14.528	0.96604	0.38579	0.65404	0.43100
122	14.528	0.96604	0.38579	0.65404	0.44900
127	14.937	0.98464	0.39322	0.66664	0.48500
137	14.907	0.98431	0.39309	0.66641	0.52200
142	14.673	0.97567	0.38664	0.66056	0.58800
152	15.362	1.0716	0.39999	0.67811	-1.0000
162	15.352	1.0009	0.39572	0.67766	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	15.362	1.0716	0.39999	0.67811	-1.0000
162	15.352	1.0009	0.39572	0.67766	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.342	1.0703	0.39946	0.67721	0.79300
172	15.347	1.0006	0.39559	0.67744	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.992	0.99079	0.39548	0.67046	0.79300
197	14.993	0.97371	0.38496	0.65246	0.84400

RUN 17

NACA-1 FWT PRELIMINARY DATA 06/14/79 CANNETT REC 10/26/79 02:15:57.270 FAC 0XEX1 PGW 0034 PPG 1639

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	14.071	0.93519	0.44451	0.74909	0.72200
37	15.126	1.0093	0.47784	0.80525	0.82000
47	15.506	1.0306	0.48984	0.82548	0.91900
49	15.726	1.0492	0.49679	0.83720	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	14.786	0.98271	0.46710	0.78715	0.42200
67	14.721	0.98916	0.46925	0.75707	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.426	0.82584	0.39254	0.66150	0.50800
82	17.861	1.1871	0.56423	0.99085	0.98300
92	15.056	1.0007	0.47563	0.80153	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR THROUGH

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.606	0.97075	0.46141	0.77757	-1.0000
-112	14.511	0.96443	0.45841	0.77251	-1.0000
-122	14.501	0.96377	0.45809	0.77198	-1.0000
-127	14.776	0.98204	0.46678	0.78662	-1.0000
-137	14.816	0.98470	0.46805	0.78875	-1.0000
-147	14.516	0.96476	0.45857	0.77278	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.606	0.97075	0.46141	0.77757	0.39800
112	14.511	0.96443	0.45841	0.77251	0.43100
122	14.501	0.96377	0.45809	0.77198	0.44900
127	14.776	0.98204	0.46678	0.78662	0.48600
137	14.816	0.98470	0.46805	0.78875	0.52200
147	14.516	0.96476	0.45857	0.77278	0.58800
157	15.051	1.0003	0.47563	0.80126	-1.0000
167	15.746	0.99999	0.47531	0.80100	-1.0000

ADDITIONAL PRESSURE RATIOS , PAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	15.051	1.0003	0.47563	0.80126	-1.0000
-167	15.746	0.99999	0.47531	0.80100	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.746	0.99999	0.47531	0.80100	0.79300
177	15.051	1.0003	0.47563	0.80126	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.996	0.99069	0.47089	0.79354	0.79300
197	14.516	0.96476	0.45857	0.77278	0.84400

RUN27

NASA-LEWIS PRELIMINARY DATA 06/14/79 CANNETT REC 10/26/79 02:17:29.052 FAC 9XAX1 PGW 0034 PDG 1640

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.721	0.98073	0.54216	0.92065	0.72200
37	15.016	1.0004	0.55302	0.93909	0.82000
47	15.136	1.0084	0.55744	0.94659	0.91900
52	15.206	1.0130	0.56002	0.95097	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
52	14.836	0.98839	0.54640	0.92784	0.42200
57	14.731	0.98160	0.54253	0.92127	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	17.882	0.85819	0.47442	0.80562	0.50800
82	18.761	1.1106	0.61726	1.0482	0.98300
92	15.026	1.0010	0.55339	0.93972	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.491	0.97208	0.53738	0.91257	-1.0000
112	14.497	0.96575	0.53388	0.90658	-1.0000
122	14.502	0.96608	0.53407	0.90690	-1.0000
127	14.776	0.98440	0.54419	0.92409	-1.0000
137	14.831	0.98806	0.54621	0.92753	-1.0000
142	14.517	0.96708	0.53462	0.90783	-1.0000

ADDITIONAL PRESSURE RATIOS, FORERODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.491	0.97208	0.53738	0.91257	0.39800
112	14.497	0.96575	0.53388	0.90658	0.43100
122	14.502	0.96608	0.53407	0.90690	0.44900
127	14.776	0.98440	0.54419	0.92409	0.48600
137	14.831	0.98806	0.54621	0.92753	0.52200
142	14.517	0.96708	0.53462	0.90783	0.58800
147	15.036	1.0017	0.55376	0.94034	-1.0000
152	15.036	1.0017	0.55376	0.94034	-1.0000

ADDITIONAL PRESSURE RATIOS, PAN NOZZLE PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
152	15.036	1.0017	0.55376	0.94034	-1.0000
157	15.036	1.0017	0.55376	0.94034	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.026	1.0010	0.55339	0.93972	0.79300
172	15.026	1.0010	0.55339	0.93972	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.831	0.98806	0.54621	0.92753	0.79300
187	14.422	0.96076	0.53112	0.90190	0.84400

ORIGINAL PAGE IS
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RUN21

NASA-LEWIS PRELIMINARY DATA 06/14/79 CADDIE1 REC 10/26/79 02:20:12.296 FAC RXAX1 PCM C034 RDG 1641

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	9.4822	0.62998	0.17445	0.29788	0.72200
47	16.700	1.0929	0.29989	0.51206	0.82000
47	13.501	0.89701	0.24840	0.42415	0.91900
42	16.809	1.1165	0.30917	0.52792	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	21.981	1.4604	0.47441	0.69054	0.42200
47	18.444	1.2280	0.34006	0.58066	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.937	0.85948	0.23801	0.40640	0.50800
47	18.266	1.2137	0.33611	0.57391	0.58300
92	15.076	1.0016	0.27736	0.47360	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR THROAT

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.691	0.97603	0.27028	0.46151	-1.0000
-112	14.676	0.97172	0.26909	0.45947	-1.0000
-127	14.636	0.97238	0.26927	0.45979	-1.0000
-127	14.901	0.98998	0.27415	0.46811	-1.0000
-137	14.871	0.98799	0.27359	0.46716	-1.0000
-147	14.951	0.99330	0.27507	0.46968	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.691	0.97603	0.27028	0.46151	0.39800
112	14.676	0.97172	0.26909	0.45947	0.43100
122	14.636	0.97238	0.26927	0.45979	0.44900
127	14.901	0.98998	0.27415	0.46811	0.48600
137	14.871	0.98799	0.27359	0.46716	0.52200
147	14.951	0.99330	0.27507	0.46968	0.58800
-157	15.061	1.0006	0.27709	0.47313	-1.0000
-157	15.061	1.0006	0.27709	0.47313	-1.0000

>ADDITIONAL PRESSURE RATIOS , PAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	15.061	1.0006	0.27709	0.47313	-1.0000
-157	15.061	1.0006	0.27709	0.47313	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.056	1.0003	0.27700	0.47297	0.79300
172	15.056	1.0003	0.27700	0.47297	0.84403

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.836	0.99566	0.27295	0.46607	0.79300
187	14.431	0.95877	0.26550	0.45335	0.84400

RUN 27

NASA-Lewis PRELIMINARY DATA 06/14/79 CANNETT REC 10/26/79 07:23:04.550 FAC BXAXI PGM C034 R06 1642

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
72	14.250	0.94876	0.52368	0.76063	0.72200
77	15.189	1.0113	0.55819	0.81077	0.82000
47	15.514	1.0329	0.57013	0.82810	0.91900
42	15.709	1.0459	0.57729	0.83851	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
42	14.959	0.99599	0.54575	0.79850	0.42200
47	14.474	0.96373	0.53194	0.77263	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.950	0.86226	0.47593	0.69178	0.50800
42	16.873	1.1734	0.62007	0.90064	0.58300
42	14.029	1.0307	0.55232	0.80224	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-127	14.579	0.97071	0.53579	0.77823	-1.0000
-112	14.479	0.96406	0.53212	0.77290	-1.0070
-127	14.499	0.96472	0.53249	0.77343	-1.0000
-127	14.764	0.98302	0.54259	0.78810	-1.0000
-137	14.719	0.98003	0.54094	0.78570	-1.0000
-142	14.549	0.96872	0.53469	0.77663	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTOR INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.579	0.97071	0.53579	0.77823	0.39800
112	14.479	0.96406	0.53212	0.77290	0.43100
127	14.499	0.96472	0.53249	0.77343	0.44900
127	14.764	0.98302	0.54259	0.78810	0.48600
137	14.719	0.98003	0.54094	0.78570	0.52200
142	14.549	0.96872	0.53469	0.77663	0.58800
-147	14.009	0.99937	0.55158	0.80117	-1.0000
-147	14.009	0.99937	0.55158	0.80117	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE EXIT

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	15.009	0.99937	0.55158	0.80117	-1.0000
-157	15.709	0.99937	0.55158	0.80117	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	15.024	1.0003	0.55214	0.80197	0.79300
177	15.024	1.0003	0.55214	0.80197	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
187	14.949	0.99533	0.54938	0.79797	0.79300
197	14.604	0.97237	0.53671	0.77957	0.84400

RUN37

NASA-Lewis PRELIMINARY DATA 06/14/79 CADDILLAC PFC 10/26/79 02:25:24.288 F&E RYKX1 PGM C334 PPG 1643

>ADDITIONAL PRESSURE RATIOS - PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	11.955	0.79807	0.78139	0.54360	0.72200
17	15.319	1.0326	0.47912	0.68290	0.82000
17	15.733	1.0483	0.50096	0.71403	0.91900
47	18.748	1.0713	0.51196	0.72970	1.0170

>ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	15.334	1.0216	0.48821	0.69585	0.42200
47	15.320	0.88948	0.47408	0.60587	0.67000

>ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.380	0.82643	0.39494	0.56292	0.50800
92	12.707	1.1820	0.56888	0.80513	0.48300
92	14.999	1.0012	0.47848	0.68199	0.67000

>ADDITIONAL PRESSURE RATIOS - EJECTOR NOZZLE

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-102	14.529	0.96988	0.46350	0.66063	-1.0000
-112	14.444	0.96421	0.46079	0.65677	-1.0000
-122	14.434	0.96354	0.46047	0.65632	-1.0000
-127	14.709	0.98189	0.46924	0.66881	-1.0000
-137	14.684	0.98022	0.46844	0.66768	-1.0000
-147	14.424	0.96288	0.46015	0.65586	-1.0000

>ADDITIONAL PRESSURE RATIOS - FOREBODY INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.529	0.96988	0.46350	0.66063	0.39800
112	14.444	0.96421	0.46079	0.65677	0.43100
122	14.434	0.96354	0.46047	0.65632	0.44900
127	14.709	0.98189	0.46924	0.66881	0.48600
137	14.684	0.98022	0.46844	0.66768	0.52200
142	14.424	0.96288	0.46015	0.65586	0.58900
142	14.889	1.0336	0.47816	0.68154	1.0000
147	14.944	1.0032	0.47801	0.68131	1.0000

>ADDITIONAL PRESSURE RATIOS - PDR NOZZLE PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-102	14.989	1.0036	0.47816	0.68154	-1.0000
-107	14.944	1.0032	0.47801	0.68131	-1.0000

>ADDITIONAL PRESSURE RATIOS - 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.979	0.99990	0.47785	0.68108	0.79300
172	14.984	1.0002	0.47801	0.68131	0.84400

>ADDITIONAL PRESSURE RATIOS - 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.974	0.99290	0.47450	0.67631	0.79300
187	14.914	0.98889	0.46702	0.65995	0.84400

RUN27

NASA-Lewis PRELIMINARY DATA 07/14/79 CANNETT PER 10/26/79 02:14:25.236 FAF RK6X1 PCM 0034 PDC 1644

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	6.7433	0.45051	0.17598	0.26347	0.72200
37	12.855	0.85884	0.34311	0.50227	0.82000
47	15.490	1.0349	0.41343	0.60520	0.91900
52	16.579	1.1030	0.44065	0.64505	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
52	17.334	1.1581	0.46266	0.67727	0.42200
57	18.510	0.99260	0.36059	0.52786	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.4993	0.56783	0.22685	0.33208	0.50800
82	20.883	1.3952	0.55739	0.81592	0.58300
87	14.985	1.0011	0.39996	0.58548	0.67000

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.450	0.97207	0.38835	0.56849	-1.0000
-112	14.470	0.96673	0.38621	0.56536	-1.0000
-122	14.475	0.96706	0.38635	0.56556	-1.0000
-127	14.750	0.98543	0.39368	0.57630	-1.0000
-137	14.685	0.98109	0.39195	0.57376	-1.0000
-142	14.570	0.97340	0.38888	0.56927	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.450	0.97207	0.38835	0.56849	0.39800
112	14.470	0.96673	0.38621	0.56536	0.43100
122	14.475	0.96706	0.38635	0.56556	0.44900
127	14.750	0.98543	0.39368	0.57630	0.48600
137	14.685	0.98109	0.39195	0.57376	0.52200
142	14.570	0.97340	0.38888	0.56927	0.58800
152	14.450	0.97207	0.38835	0.56849	-1.0000
157	14.470	0.96673	0.38621	0.56536	-1.0000

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.450	0.97207	0.38835	0.56849	-1.0000
-157	14.470	0.96673	0.38621	0.56536	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.955	0.99912	0.39915	0.58431	0.79300
172	14.955	0.99912	0.39915	0.58431	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.705	0.98247	0.39248	0.57454	0.79300
187	14.705	0.98247	0.39248	0.57454	0.84400

RUN 27

NACA-11415 PRELIMINARY DATA 05/14/79 CANNELL RFC 10/26/79 02:27:33.261 FAC 8X6X1 PGM C334 P06 1645

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	7.5775	0.50603	0.18329	0.27050	0.72200
37	11.190	0.74741	0.27076	0.39958	0.82000
47	14.948	0.99157	0.35016	0.53004	0.91900
49	16.962	1.0000	0.39821	0.58767	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
42	14.981	1.2676	0.45914	0.67759	0.42200
47	14.938	0.99747	0.36133	0.53325	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER P.O.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	9.6083	0.64165	0.23241	0.34290	0.50800
82	10.991	1.2623	0.45720	0.67474	0.58300
92	14.973	0.99991	0.36218	0.53450	0.67000

ADDITIONAL PRESSURE RATIOS, FLEXIBLE SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.548	0.97154	0.35190	0.51933	-1.0000
-112	14.478	0.96686	0.35021	0.51684	-1.0000
-122	14.498	0.96820	0.35069	0.51755	-1.0000
-127	14.768	0.98622	0.35722	0.52710	-1.0000
-137	14.758	0.98556	0.35698	0.52683	-1.0000
-147	14.733	0.98389	0.35637	0.52594	-1.0000

ADDITIONAL PRESSURE RATIOS, FLEXIBLE INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.548	0.97154	0.35190	0.51933	0.39800
112	14.478	0.96686	0.35021	0.51684	0.43100
122	14.498	0.96820	0.35069	0.51755	0.44900
127	14.768	0.98622	0.35722	0.52710	0.48600
137	14.758	0.98556	0.35698	0.52683	0.52200
147	14.733	0.98389	0.35637	0.52594	0.58800
-107	14.548	0.97154	0.35190	0.51933	1.0000
-112	14.478	0.96686	0.35021	0.51684	1.0000

ADDITIONAL PRESSURE RATIOS, PAN NOZZLE PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-147	14.937	1.0006	0.36242	0.53486	-1.0000
-157	14.988	1.0000	0.36254	0.53504	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
147	14.983	1.0006	0.36242	0.53486	0.79300
172	14.783	1.0006	0.36242	0.53486	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.588	0.97421	0.35287	0.52076	0.79300
187	14.153	0.94514	0.34235	0.50524	0.84400

MSA-1 EGIS PRELIMINARY DATA 06/14/79
ADDITIONAL PRESSURE PATIENS - PRIMARY PLUG

VF WORK	PL	PL/MO	PL/P-F	PL/PTP	N/MAX
37	9.2949	0.60673	0.19417	0.78593	0.72203
37	15.393	0.66001	0.30724	0.45246	0.82000
37	11.433	0.78005	0.25252	0.37187	0.91400
2	17.725	1.1356	0.63342	0.63520	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

VO. W. 10	PI	W. /PI	PI /PIE	PI /PIP	X /OMAX
57	21.576	1.4391	0.46357	0.67825	3.62200
77	17.385	1.1376	0.76408	0.58114	0.67090

COMMUNICATIONAL PRESSURE RATING, FLOW FILTER C.O.

VD WSN	PI	PL/PN	PI/PI*	PL/PI*	X/OWAY
77	11.115	0.74138	0.23727	0.34941	3.50830
82	12.717	1.0783	0.31890	0.48604	0.88302
86	14.047	0.7	0.31993	1.47113	0.47000

PL	PL	PL / PD	PL / PTF	PL / PTP	PL / DMAR
14.483	14.483	0.97267	0.3128	0.48661	-1.0000
14.533	0.04935	0.31023	0.45684	-1.0000	-1.0000
14.549	0.06734	0.31758	0.48731	-1.0000	-1.0000
15.813	0.08233	0.31670	0.46579	-1.0000	-1.0000
15.837	0.08067	0.31673	0.46462	-1.0000	-1.0000
15.837	0.09367	0.31401	0.46462	-1.0000	-1.0000

ADDITIONAL PRESSURE RATIOS, FOR FLOW IN FIFT[illegible]

VD	WFO	PI	PI/PW	PI/PTP	PI/DMAV
152	14.982	0.99933	0.91082	0.47048	-1.0000

ADDITIONAL PRESSURE RATIOS • 20 DEG SHROUD LOCATION

run	wt %	PI	PI/PDI	PI/PDI	X/DMAX
167	14.77	0.99000	0.31072	0.47082	0.73000
172	14.982	1.00033	0.31082	0.47000	0.84000

CAPITOL HILL PROFESSIONAL SOCIETY • SUSTAINED MEMBERSHIP

ν_{max}	μ_L	μ_L/μ_0	μ_L/μ_{LF}	μ_L/μ_{DF}	K/Ω_{MAX}
100	14.613	0.97467	0.31103	0.45936	0.79300
105	14.618	0.94464	0.31233	0.46377	0.84400

Run 17

NASA-LEWIS PRELIMINARY DATA 06/14/79 CADDRE1 REC 10/26/79 02:31:14.368 FAC 9XAX1 PCM 0034 P06 1647

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	10.462	0.77032	0.19416	0.28349	0.72200
37	18.523	1.2392	0.34371	0.50185	0.82000
47	14.247	0.95327	0.26440	0.38605	0.91900
52	16.721	1.1188	0.31032	0.45310	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
42	25.343	1.6957	0.47033	0.68673	0.42200
47	22.569	1.3763	0.38174	0.59738	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	2.837	0.65894	0.23824	0.34785	0.50800
82	18.130	1.2131	0.33648	0.49129	0.58300
92	14.937	0.99943	0.27720	0.40474	0.67000

ADDITIONAL PRESSURE RATIOS, PSEUDO INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	14.567	0.97468	0.27034	0.39472	-1.0000
-112	14.507	0.97066	0.26923	0.39309	-1.0000
-122	14.527	0.97203	0.26960	0.39364	-1.0000
-127	14.787	0.99754	0.27442	0.40068	-1.0000
-137	14.952	0.99374	0.27563	0.40244	-1.0000
-142	14.857	0.99408	0.27572	0.40258	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	14.567	0.97468	0.27034	0.39472	0.39800
112	14.507	0.97066	0.26923	0.39309	0.43100
122	14.527	0.97203	0.26960	0.39364	0.44900
127	14.787	0.99754	0.27442	0.40068	0.48600
137	14.952	0.99374	0.27563	0.40244	0.52200
142	14.857	0.99408	0.27572	0.40258	0.58800
152	14.947	1.0001	0.27739	0.40501	-1.0000
157	14.952	1.0004	0.27748	0.40515	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	14.947	1.0001	0.27739	0.40501	-1.0000
-157	14.952	1.0004	0.27748	0.40515	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
167	14.947	1.0001	0.27739	0.40501	0.79300
172	14.952	1.0004	0.27748	0.40515	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
182	14.902	0.99040	0.27470	0.40109	0.79300
187	14.442	0.96631	0.26802	0.39123	0.84400

RUN 27

DEC 10/26/79 02:12:33.329

PCW 7334

FAR 846X1

REC 10/26/79 02:12:33.329

CANOEII

06/14/79

PRELIMINARY DATA

SEMI-ANNUAL PRESSURE RATIOS, PRIMARY PHIG

AVG W/BN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
12	10.499	1.7089	0.10459	0.28427	0.72200
17	16.593	1.2412	0.34460	0.50342	0.87000
17	16.129	0.94323	0.26187	0.38266	0.91900
17	16.765	1.0987	0.30143	0.44036	1.01170

SEMI-ANNUAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG W/BN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
12	25.361	1.6031	0.47005	0.48648	0.42200
17	27.322	1.3867	0.37768	0.55075	0.67000

SEMI-ANNUAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG W/BN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
12	12.944	0.86413	0.23991	0.35048	0.50400
17	18.293	1.2709	0.39886	0.48703	0.58300
17	14.984	1.0003	0.27771	0.40571	0.67000

SEMI-ANNUAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG W/BN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
12	18.808	0.97898	0.27087	0.38882	1.00000
17	14.544	0.97093	0.26056	0.39379	1.00000
17	14.579	0.97327	0.26021	0.39474	1.00000
17	14.864	0.99094	0.27512	0.40192	1.00000
17	14.844	0.98994	0.27412	0.40192	1.00000
17	14.934	0.99406	0.27623	0.40354	1.00000

SEMI-ANNUAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG W/BN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
12	14.634	0.97494	0.27067	0.39542	0.39800
17	14.544	0.97093	0.26056	0.39379	0.43100
17	14.579	0.97327	0.26021	0.39474	0.44900
17	14.844	0.99094	0.27512	0.40192	0.48600
17	14.844	0.99094	0.27512	0.40192	0.48600
17	14.934	0.99406	0.27623	0.40354	0.58800

SEMI-ANNUAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG W/BN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
12	14.590	1.0013	0.27798	0.40411	1.00000
17	14.334	1.0016	0.27608	0.40425	1.00000

SEMI-ANNUAL PRESSURE RATIOS, 20 DEG. SHOWN LOCATION

AVG W/BN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
12	14.334	1.0016	0.27608	0.40425	0.79300
17	14.334	1.0016	0.27608	0.40425	0.84400

SEMI-ANNUAL PRESSURE RATIOS, 40 DEG. SHOWN LOCATION

AVG W/BN	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
12	14.844	0.99229	0.27649	0.40244	0.79300
17	14.844	0.99229	0.27649	0.40244	0.84400

RUN27

WASS-LEWIS PRELIMINARY DATA 76/14/79 CADCELL REC 10/26/79 02:38:40.114 FAC RYKX1 PGM C374 PPG 1449

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
12	8.9112	0.59555	0.14144	0.28481	0.72200
17	14.274	0.95062	0.27557	0.45460	0.82000
17	11.645	0.77829	0.25017	0.37219	0.91900
17	17.017	1.1573	0.26557	0.54388	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
17	21.208	1.4234	0.45754	0.8070	0.42200
17	16.947	1.1259	0.36192	0.53844	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
77	11.371	0.73987	0.23783	0.35382	0.50800
17	15.598	1.0424	0.33509	0.49852	0.58300
17	14.968	1.0704	0.32156	0.47840	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
-107	14.559	0.97299	0.31276	0.46530	-1.0000
-112	14.499	0.96808	0.31147	0.46339	-1.0000
-122	14.529	0.97099	0.31212	0.46434	-1.0000
-127	14.739	0.98502	0.31791	0.47297	-1.0000
-137	14.863	0.99336	0.31931	0.47504	-1.0000
-147	14.873	0.99403	0.31952	0.47534	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
107	14.559	0.97299	0.31276	0.46530	0.39500
112	14.499	0.96808	0.31147	0.46339	0.43100
122	14.529	0.97099	0.31212	0.46434	0.44900
127	14.739	0.98502	0.31791	0.47297	0.48600
137	14.863	0.99336	0.31931	0.47504	0.52200
147	14.873	0.99403	0.31952	0.47534	0.58800
-107	14.559	0.97299	0.31276	0.46530	-1.0000
-112	14.499	0.96808	0.31147	0.46339	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN WHEEL FLAT

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
-152	14.923	1.0307	0.32167	0.47856	-1.0000
-157	14.968	1.0304	0.32156	0.47840	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
167	14.372	1.3397	0.32167	0.47856	0.79300
177	14.378	1.0310	0.32178	0.47872	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
187	16.674	0.97599	0.31373	0.46674	0.79300
197	16.164	0.94661	0.30628	0.45260	0.84400

RUN 27

PG 1653

PG 1653

PG 1653

PG 1653

PG 1653

PG 1653

PG 1653

PG 1653

PG 1653

ADDITIONAL PRESSURE RATIOS, PRIMARY DUE

AVG W/P	PI	PI/PN	PI/PT	PI/PTP	X/DMAX
32	7.5038	0.50735	0.19710	0.27102	0.72200
37	11.266	0.75118	0.27128	0.40154	0.82000
47	14.311	0.88901	0.36728	0.52880	0.91000
57	16.549	1.0091	0.40687	0.68716	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG W/P	PI	PI/PN	PI/PT	PI/PTP	X/DMAX
42	18.379	1.2685	0.45779	0.67761	0.42200
52	18.978	1.0700	0.36123	0.53468	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG W/P	PI	PI/PN	PI/PT	PI/PTP	X/DMAX
77	0.6564	0.64541	0.22292	0.34477	0.50800
87	18.779	1.2505	0.45128	0.66798	0.48300
92	18.966	1.0003	0.36299	0.53433	0.67003

AVG W/P	PI	PI/PN	PI/PT	PI/PTP	X/DMAX
107	18.281	0.83320	0.35397	0.51987	1.0000
112	18.481	0.64786	0.34929	0.51702	1.0000
127	18.481	0.64786	0.34929	0.51702	1.0000
137	18.751	0.88500	0.36880	0.52665	1.0000
147	18.791	0.98857	0.36677	0.52878	1.0000
152	18.796	0.98289	0.35472	0.52505	1.0000

ADDITIONAL PRESSURE RATIOS, ENERGY INLET

AVG W/P	PI	PI/PN	PI/PT	PI/PTP	X/DMAX
107	18.461	0.83320	0.35122	0.51987	0.39800
112	18.461	0.64786	0.34929	0.51702	0.43100
127	18.461	0.64786	0.34929	0.51702	0.46900
137	18.751	0.88500	0.36880	0.52665	0.48600
147	18.791	0.98857	0.36677	0.52808	0.42200
152	18.796	0.98289	0.35472	0.52505	0.52800
162	18.809	0.88901	0.36075	0.53397	1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG. SHERID INLET

AVG W/P	PI	PI/PN	PI/PT	PI/PTP	X/DMAX
157	18.556	0.88901	0.36075	0.53397	1.0000
162	18.556	0.88901	0.36075	0.53397	1.0000

ADDITIONAL PRESSURE RATIOS, 40 DEG. SHERID INLET

AVG W/P	PI	PI/PN	PI/PT	PI/PTP	X/DMAX
167	18.556	0.88901	0.36075	0.53397	0.79300
172	18.556	0.88901	0.36075	0.53397	0.84400

RUN27

NASA-Lewis PRELIMINARY DATA 26/14/79 CADREII REC 10/26/79 C2:41:03.085 FAC 8X6X1 PCM C034 R06 1652

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
42	11.992	0.77985	0.37516	0.54661	0.72200
77	15.927	1.0330	0.47545	0.68543	0.82900
47	15.717	1.0483	0.49695	0.71642	0.91900
82	16.957	1.0710	0.50770	0.73192	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
42	15.292	1.0193	0.48319	0.69659	0.42200
87	13.367	0.89158	0.42265	0.60930	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	12.372	0.82520	0.39118	0.56394	0.50800
82	17.527	1.1404	0.55959	0.82667	0.58300
82	15.097	1.0710	0.47450	0.68406	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-127	14.442	0.96463	0.45727	0.65921	-1.0000
-112	14.462	0.96463	0.45727	0.65921	-1.0000
-127	14.457	0.96429	0.45711	0.65899	-1.0000
-127	14.737	0.98297	0.46596	0.67175	-1.0000
-137	14.687	0.97963	0.46438	0.66947	-1.0000
-142	14.442	0.96329	0.45663	0.65830	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	14.557	0.97096	0.46027	0.66355	0.39800
112	14.462	0.96463	0.45727	0.65921	0.43100
127	14.457	0.96429	0.45711	0.65899	0.44900
127	14.737	0.98297	0.46596	0.67175	0.48600
127	14.687	0.97963	0.46438	0.66947	0.52200
142	14.442	0.96329	0.45663	0.65830	0.58800
-127	14.442	0.96329	0.45663	0.65830	-1.0000
-127	14.442	0.96329	0.45663	0.65830	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN WHIRL PLUG~~

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	15.002	1.0706	0.47434	0.68383	-1.0000
-157	15.007	1.0710	0.47450	0.68406	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
167	15.007	1.0710	0.47450	0.68406	0.79300
177	15.002	1.0706	0.47434	0.68383	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
127	14.892	0.99331	0.47086	0.67882	0.79300
157	14.517	0.96829	0.45601	0.66172	0.84400

RUN27

NASA-LEWIS PRELIMINARY DATA 06/14/79 CANNETT PFC 10/26/79 02:41:54.301 FAC 8X6X1 PGM C334 RRG 1653

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
10	14.787	0.95049	0.52327	0.76155	0.72200
11	14.721	1.0126	0.45749	0.81135	0.82000
17	15.536	1.0336	0.56002	0.82813	0.91900
47	19.731	1.0466	0.47618	0.83852	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	14.992	0.99736	0.54508	0.79910	0.42200
47	14.502	0.96478	0.53114	0.77307	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.963	0.86239	0.47477	0.69096	0.50800
47	16.895	1.1240	0.41880	0.90057	0.58300
62	15.047	1.0310	0.55109	0.80203	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.587	0.97043	0.53425	0.77753	-1.0000
-112	14.487	0.96378	0.53059	0.77220	-1.0000
-122	14.507	0.96511	0.53132	0.77327	-1.0000
-127	14.792	0.98406	0.54176	0.78845	-1.0000
-137	14.782	0.98340	0.54139	0.78792	-1.0000
-142	14.577	0.96977	0.53389	0.77700	-1.0000

ADDITIONAL PRESSURE RATIOS, CRENOV INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
117	14.587	0.97943	0.53425	0.77753	0.39800
112	14.487	0.96378	0.53059	0.77220	0.43100
122	14.507	0.96511	0.53132	0.77327	0.44900
127	14.792	0.98406	0.54176	0.78845	0.48600
137	14.782	0.98340	0.54139	0.78792	0.52200
142	14.577	0.96977	0.53389	0.77700	0.58800
152	15.032	1.0000	0.55072	0.80150	1.0000
-157	15.037	1.0003	0.55072	0.80150	-1.0000

ADDITIONAL PRESSURE RATIOS, PAN NOZZLE PLAT

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.032	1.0000	0.55072	0.80123	-1.0000
-157	15.037	1.0003	0.55072	0.80150	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	15.037	1.0003	0.55072	0.80150	0.79300
172	15.037	1.0003	0.55072	0.80150	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
102	14.982	0.99669	0.54871	0.79857	0.79300
107	14.617	0.97243	0.53535	0.77613	0.84400

Run 28

NASA-LEWIS PRELIMINARY DATA CODED-11 FACILITY RXX41 PROGRAM 0034 P055 1654 TO 1685
TIME AND DATE PROCESSED 23:10:26 JUN 14 1970

NOZZLE TYPE	P+W BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS	TAKEOFF
NOZZLE CONFIGURATION	C23
PRIMARY-NOZZLE PLUG	SPLIT PLUG (RETRACTED)
FLOW SPLITTER	ISENTROPIC SPLITTER
FAN NOZZLE	SHORT FLAP
FLAMSHIELD POSITION	17 DEG
EJECTOR INLET OPENING	MINIMUM

POS	MO	PTF/PTP	PTF/PD	PTD/PD	OMEGA	PTS/PTF	CDF	CDP	CFI	ETA1	ETA1,INT	CFP1	CFP2	FO
1654	0.369	1.89	1.80	1.07	0.000	0.558	0.564	1.034	0.9118	0.9118	0.9143	0.9143	0.9155	*****
1655	0.367	1.69	2.09	1.25	0.000	0.481	0.564	1.070	0.9241	0.9241	0.9258	0.9258	0.9283	*****
1656	0.366	1.70	2.51	1.49	0.000	0.403	0.568	1.030	0.9050	0.9050	0.9062	0.9062	0.9095	*****
1657	0.366	1.70	2.76	1.62	0.000	0.366	0.572	0.995	0.9003	0.9003	0.9014	0.9014	0.9046	*****
1658	0.361	1.71	3.12	1.82	0.000	0.275	0.570	0.987	0.9028	0.9028	0.9036	0.9036	0.9065	*****
1659	0.359	1.71	3.62	2.12	0.000	0.278	0.570	0.976	0.9273	0.9273	0.9279	0.9279	0.9303	*****
1660	0.367	1.70	3.83	2.25	0.000	0.263	0.572	0.975	0.9297	0.9297	0.9303	0.9303	0.9325	*****
1661	0.361	1.70	3.83	2.25	0.000	0.264	0.572	0.978	0.9293	0.9293	0.9299	0.9299	0.9321	*****
1662	0.365	1.70	3.62	2.12	0.000	0.279	0.571	0.978	0.9264	0.9264	0.9271	0.9271	0.9294	*****
1663	0.365	1.71	3.14	1.84	0.000	0.324	0.569	0.979	0.9018	0.9018	0.9027	0.9027	0.9055	*****
1664	0.359	1.70	2.76	1.62	0.000	0.366	0.570	0.996	0.8993	0.8993	0.9003	0.9003	0.9036	*****
1665	0.358	1.70	2.50	1.47	0.000	0.403	0.569	1.031	0.9060	0.9060	0.9071	0.9071	0.9105	*****
1666	0.361	1.69	2.11	1.25	0.000	0.477	0.568	1.076	0.9234	0.9234	0.9251	0.9251	0.9281	*****
1667	0.363	1.70	1.82	1.07	0.000	0.551	0.568	1.050	0.9143	0.9143	0.9166	0.9166	0.9179	*****
1668	0.359	1.70	1.81	1.07	0.000	0.553	0.565	1.040	0.9058	0.9058	0.9081	0.9081	0.9096	*****
1669	0.358	1.70	2.51	1.48	0.000	0.402	0.567	1.070	0.9050	0.9050	0.9061	0.9061	0.9095	*****
1670	0.360	1.46	1.82	1.25	0.000	0.552	0.565	1.069	0.9207	0.9207	0.9227	0.9227	0.9263	*****
1671	0.359	1.45	2.11	1.46	0.000	0.477	0.568	1.076	0.9185	0.9185	0.9199	0.9199	0.9240	*****
1672	0.358	1.46	2.50	1.77	0.000	0.402	0.569	0.986	0.9095	0.9095	0.9106	0.9106	0.9143	*****
1673	0.360	1.47	2.71	1.84	0.000	0.372	0.568	0.980	0.9092	0.9092	0.9101	0.9101	0.9135	*****
1674	0.363	1.48	2.77	1.87	0.000	0.364	0.565	0.980	0.9075	0.9075	0.9085	0.9085	0.9117	*****
1675	0.363	1.48	3.13	2.11	0.000	0.325	0.568	0.980	0.9046	0.9046	0.9053	0.9053	0.9080	*****
1676	0.361	1.45	3.63	2.49	0.000	0.278	0.570	0.981	0.9318	0.9318	0.9325	0.9325	0.9367	*****
1677	0.363	1.46	3.82	2.61	0.000	0.264	0.572	0.976	0.9360	0.9360	0.9365	0.9365	0.9386	*****
1678	0.363	1.46	3.81	2.60	0.000	0.265	0.569	0.976	0.9379	0.9379	0.9385	0.9385	0.9408	*****
1679	0.365	1.46	3.62	2.48	0.000	0.275	0.568	0.975	0.9362	0.9362	0.9369	0.9369	0.9391	*****
1680	0.363	1.48	3.13	2.11	0.000	0.325	0.567	0.975	0.9074	0.9074	0.9082	0.9082	0.9109	*****
1681	0.358	1.48	2.76	1.87	0.000	0.366	0.569	0.979	0.9065	0.9065	0.9074	0.9074	0.9106	*****
1682	0.358	1.45	2.11	1.46	0.000	0.477	0.567	1.035	0.9202	0.9202	0.9216	0.9216	0.9257	*****
1683	0.364	1.47	2.52	1.77	0.000	0.403	0.567	0.986	0.9109	0.9109	0.9120	0.9120	0.9156	*****
1684	0.361	1.46	1.82	1.25	0.000	0.552	0.567	1.070	0.9282	0.9282	0.9291	0.9291	0.9338	*****

PUN22

MAGNETIC PRELIMINARY DATA 05/14/79 CADRETT REC 10/28/79 14:13:40.747 FAC MAXI PGM 0034 REC 1654

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
11	14.333	1.3743	0.55628	0.94011	0.43400
17	14.785	1.06707	0.53584	0.90556	0.53300
47	14.733	0.96334	0.52378	0.92207	0.63100
87	14.933	1.0040	0.55628	0.94011	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	14.545	0.98467	0.54559	0.92204	0.42200
87	14.825	1.0736	0.55610	0.93979	0.67900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.834	0.86686	0.48032	0.81172	0.50800
87	16.879	1.1248	0.52205	1.0979	0.58300
97	14.785	1.0009	0.55459	0.93725	0.67300

ADDITIONAL PRESSURE RATIOS , DIRECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.325	0.96977	0.53734	0.90809	-1.0000
-117	14.245	0.96476	0.52434	0.90307	-1.0000
-127	14.255	0.96508	0.53471	0.90365	-1.0000
-127	14.545	0.98467	0.54559	0.92204	-1.0000
-137	14.545	0.98467	0.54559	0.92204	-1.0000
-147	14.340	0.97070	0.52790	0.93904	-1.0000

ADDITIONAL PRESSURE RATIOS , ENGINE INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.325	0.96977	0.53734	0.90809	0.39800
117	14.245	0.96436	0.52434	0.90307	0.43100
127	14.255	0.96508	0.53471	0.90365	0.44900
127	14.545	0.98467	0.54559	0.92204	0.48600
137	14.485	0.98061	0.54334	0.91873	0.52200
147	14.340	0.97070	0.52790	0.93904	0.58800
157	14.785	1.0009	0.55459	0.93725	0.67300

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	14.733	1.0013	0.55478	0.93757	-1.0000
-167	14.785	1.0009	0.55459	0.93725	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.790	1.0013	0.55478	0.93757	0.79300
177	14.790	1.0013	0.55478	0.93757	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.450	0.99178	0.54953	0.92869	0.74300
197	14.455	0.99574	0.55471	0.93365	0.84400

RUN 20

NACA-LEWIS PRELIMINARY DATA 04/14/79 CADDIE PER 10/26/79 04:14:51.149 FAN 05X1 PCM 0734 PPG 1455

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.958	1.0079	0.48167	0.81214	0.43400
117	14.298	0.96321	0.46079	0.77671	0.53300
127	14.233	0.95857	0.45829	0.77279	0.63100
137	14.958	1.0079	0.48167	0.81187	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	13.698	0.92289	0.44197	0.74374	0.42200
117	14.169	1.0219	0.48839	0.82364	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	12.623	0.85044	0.40846	0.68538	0.50800
117	13.512	1.1799	0.56388	0.95082	0.58300
127	14.858	1.0010	0.47841	0.80671	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.433	0.97241	0.46473	0.78364	0.39800
117	14.343	0.96634	0.46183	0.77876	0.43100
127	14.338	0.96601	0.46167	0.77849	0.44900
137	14.678	0.98554	0.47101	0.79423	0.48600
147	14.614	0.98487	0.47069	0.79369	0.52200
157	14.453	0.97375	0.46538	0.78473	0.58800

ADDITIONAL PRESSURE RATIOS, FOREROPV INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.433	0.97241	0.46473	0.78364	0.39800
117	14.343	0.96634	0.46183	0.77876	0.43100
127	14.338	0.96601	0.46167	0.77849	0.44900
137	14.678	0.98554	0.47101	0.79423	0.48600
147	14.614	0.98487	0.47069	0.79369	0.52200
157	14.453	0.97375	0.46538	0.78473	0.58800

ADDITIONAL PRESSURE RATIOS, FAN HOPPER PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.958	1.0079	0.48167	0.81187	0.43400
117	14.298	0.96321	0.46079	0.77671	0.53300

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.958	1.0010	0.47841	0.80671	0.79300
117	14.858	1.0010	0.47841	0.80671	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.939	0.99969	0.47777	0.80563	0.79200
117	14.893	0.97577	0.46734	0.79174	0.84600

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133

RUN 10

NASA-LEWIS PRELIMINARY DATA 05/14/70 CASE II REF 10/26/70 CASE 14341-143 FAC NYXVI ROM 0074 LOG 1455

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WFO	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	14.058	1.0379	0.48143	0.81214	1.43400
117	14.068	0.96331	0.46024	0.77631	0.53300
127	14.073	0.95900	0.45826	0.77270	0.63100
137	14.058	1.0074	0.48147	0.81187	1.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVG WFO	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	13.698	0.92289	0.44197	0.74374	1.42200
117	15.169	1.0219	0.48888	0.82344	0.67900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVG WFO	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	12.623	0.85048	0.40646	0.68538	0.50800
117	17.512	1.1744	0.56388	0.95087	0.58200
127	14.858	1.0710	0.47841	0.80671	0.67900

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVG WFO	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	14.433	0.97241	0.46473	0.78264	-1.0000
117	14.343	0.96634	0.46183	0.77876	-1.0000
127	14.338	0.96601	0.46167	0.77849	-1.0000
137	14.678	0.98554	0.47101	0.79623	-1.0000
147	14.614	0.98487	0.47065	0.79369	-1.0000
157	14.453	0.97375	0.46538	0.78673	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVG WFO	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	14.433	0.97241	0.46473	0.78264	0.35800
117	14.343	0.96634	0.46183	0.77876	1.43100
127	14.338	0.96601	0.46167	0.77849	0.44900
137	14.678	0.98554	0.47101	0.79623	0.48600
147	14.614	0.98487	0.47065	0.79369	0.52200
157	14.453	0.97375	0.46538	0.78673	0.58800
167	14.453	1.0010	0.47841	0.80671	1.0000
177	14.858	1.0007	0.47823	0.80644	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN HOTTE FLOW

AVG WFO	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
157	14.958	1.0410	0.47841	0.80671	-1.0000
167	14.953	1.0317	0.47844	0.80644	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WFO	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
167	14.858	1.0010	0.47841	0.80671	0.79300
177	14.858	1.0110	0.47841	0.80671	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVG WFO	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
157	14.838	0.9969	0.47777	0.80563	0.79200
167	14.833	0.97577	0.46174	0.78676	0.84400

VACUUM LEAKS PRELIMINARY DATA 06/14/76 CAPACITY REF 10/26/75 03:15:20.113

FAC MAXV

TSM 0074

PG 1456

ADDITIONAL PRESSURE RATIOS , PRIMARY BEING

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	14.238	0.88792	0.35424	0.60136	0.43400
87	14.334	0.95238	0.38285	0.66076	0.53370
47	14.49	0.95569	0.38178	0.64776	0.63190
52	14.743	0.88828	0.35447	0.60155	0.72000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
47	14.3948	0.49596	0.19793	0.33552	0.42200
47	14.708	0.93959	0.37499	0.63675	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	8.7860	0.58930	0.22517	0.39912	0.50000
87	27.744	1.3444	0.92849	0.91951	0.98300
52	14.029	1.0013	0.30958	0.67815	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-117	14.334	0.97481	0.38991	0.66077	-1.0000
-117	14.474	0.97078	0.38740	0.65748	-1.0000
-127	14.489	0.97170	0.38780	0.65816	-1.0000
-127	14.750	0.98990	0.39503	0.67043	-1.0000
-137	14.769	0.99057	0.39530	0.67088	-1.0000
-147	14.704	0.98621	0.39256	0.66773	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR IMLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	14.534	0.97481	0.38991	0.66070	0.39000
117	14.474	0.97078	0.38740	0.65748	0.43100
127	14.489	0.97170	0.38780	0.65816	0.44900
127	14.750	0.98990	0.39503	0.67043	0.48600
137	14.769	0.99057	0.39530	0.67088	0.52200
147	14.704	0.98621	0.39256	0.66773	0.58800
157	14.974	1.0013	0.30958	0.67815	-1.0000
157	14.974	1.0013	0.30958	0.67815	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN MOTOR FLOW~~

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-157	14.974	1.0013	0.30958	0.67792	-1.0000
-157	14.974	1.0013	0.30958	0.67815	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
147	14.974	1.0013	0.30945	0.67792	0.79300
177	14.729	1.0013	0.30958	0.67815	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
187	14.054	1.0030	0.40025	0.67679	0.79300
197	14.654	0.98286	0.30222	0.66566	0.84400

RUN 18

VACS-IFWTS PRELIMINARY DATA 06/14/70 CANNELL . PFC 10/26/70 04:15:58.570 PGM C034 PNC 1657

ADDITIONAL PRESSURE RATIOS & FLOW SPI LITER 1.0.

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
32	13.187	0.98106	0.31027	0.54253	0.43400
37	14.302	0.85555	0.34727	0.48940	0.53300
57	14.757	0.85255	0.34518	0.58655	0.63100
57	14.187	0.89050	0.31003	0.44212	0.72000

ADDITIONAL PRESSURE RATIOS & FLOW SPI LITER 1.0.

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
62	14.137	0.84356	0.10697	0.33471	0.42200
62	13.707	0.82187	0.33406	0.56763	0.67000

ADDITIONAL PRESSURE RATIOS & FLOW SPI LITER 0.0.

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	0.7366	0.64851	0.27500	0.39033	0.50800
92	19.761	1.1196	0.47819	0.41257	0.58300
92	14.962	0.9965	0.36225	0.41555	0.67000

ADDITIONAL PRESSURE RATIOS & FLOW SPI LITER 0.0.

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	14.607	0.97593	0.35345	0.60944	0.60000
112	14.552	0.97226	0.35232	0.59869	0.60000
127	14.567	0.97326	0.35268	0.59930	0.60000
137	14.822	0.99029	0.35886	0.60979	0.60000
147	14.822	0.99029	0.35886	0.60979	0.60000
147	14.832	0.99096	0.35910	0.61020	0.60000
157	14.867	0.99444	0.36275	0.61455	0.60000
157	14.967	0.99998	0.36232	0.61536	0.60000

ADDITIONAL PRESSURE RATIOS & FLOW SPI LITER 0.0.

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	14.607	0.97593	0.35345	0.60944	0.60000
112	14.552	0.97226	0.35232	0.59869	0.60000
127	14.567	0.97326	0.35268	0.59930	0.60000
137	14.822	0.99029	0.35886	0.60979	0.60000
147	14.822	0.99029	0.35886	0.60979	0.60000
147	14.832	0.99096	0.35910	0.61020	0.60000
157	14.867	0.99444	0.36275	0.61455	0.60000
157	14.967	0.99998	0.36232	0.61536	0.60000

ADDITIONAL PRESSURE RATIOS & FLOW SPI LITER 0.0.

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
167	14.642	0.96865	0.36225	0.61555	0.60000
167	14.967	0.99998	0.36232	0.61536	0.60000

ADDITIONAL PRESSURE RATIOS & 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
167	14.672	1.0003	0.36240	0.61504	0.60000
177	14.077	1.0006	0.36261	0.61617	0.64000

ADDITIONAL PRESSURE RATIOS & 90 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
147	14.037	1.00347	0.36406	0.61864	0.79300
147	14.757	0.98562	0.35716	0.60891	0.84400

RUN28

PGM 034

PAR 056X1

REC 10/26/79 04:16:51.462

MASS-LEWIS INITIAL PRESSURE RATIOS, PRIMARY WIND

AVD WIND	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
12	13.798	0.92133	0.79588	0.50510	0.43403
17	14.317	0.90571	0.79661	0.53705	0.53300
17	14.273	0.90336	0.79676	0.52248	0.63100
17	13.787	0.92000	0.79526	0.53688	0.72000

MASS-LEWIS PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVD WIND	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
12	9.1486	0.61087	0.10598	0.33600	0.42200
17	14.108	1.0111	0.32488	0.54432	0.67307

MASS-LEWIS PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WIND	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
12	11.134	0.76342	0.23850	0.43757	0.50800
17	14.879	1.0467	0.35473	0.53771	0.58500
17	14.988	1.0008	0.32106	0.54865	0.67000

MASS-LEWIS PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WIND	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
12	14.398	0.97474	0.31271	0.54638	-1.0000
17	14.553	0.97123	0.31175	0.53773	-1.0000
17	14.473	0.97308	0.31218	0.53348	-1.0000
17	14.873	0.99042	0.31772	0.54298	-1.0000
17	14.868	0.99276	0.31840	0.54426	-1.0000
17	14.009	0.99562	0.31035	0.54572	-1.0000

MASS-LEWIS PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WIND	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
12	14.498	0.97474	0.31271	0.54638	0.39800
17	14.553	0.97123	0.31175	0.53773	0.43103
17	14.473	0.97308	0.31218	0.53348	0.44900
17	14.873	0.99042	0.31772	0.54298	0.48600
17	14.868	0.99276	0.31840	0.54426	0.52200
17	14.009	0.99562	0.31035	0.54572	0.58800
17	14.008	0.99562	0.31035	0.54572	0.58800
17	14.008	0.99562	0.31035	0.54572	0.58800

MASS-LEWIS PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WIND	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
12	14.968	0.99963	0.32074	0.54792	-1.0000
17	14.973	0.99976	0.32074	0.54810	-1.0000

MASS-LEWIS PRESSURE RATIOS, 20 DEG SHOTGUN LOCATION

AVD WIND	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
12	14.973	0.99976	0.32074	0.54810	0.79300
17	14.973	0.99976	0.32074	0.54810	0.84600

MASS-LEWIS PRESSURE RATIOS, 20 DEG SHOTGUN LOCATION

AVD WIND	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
12	14.973	0.99976	0.32074	0.54810	0.79300
17	14.973	0.99976	0.32074	0.54810	0.84600

RUN20

PAGE 1459

PCW FLOW

FAC 47441

SEC 10/26/79 04:17:40.471

MASS-FLOW PRELIMINARY DATA 06/14/79

ADDITIONAL PRESSURE RATIOS - PRIMARY PLUG

AVG WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
52	14.131	0.94710	0.26133	0.44626	0.43400
37	14.321	0.95984	0.26484	0.45276	0.43300
47	14.286	0.95749	0.26419	0.45116	0.43100
57	14.141	0.94777	0.26151	0.44658	0.42900

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 1.0.

AVG WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
62	10.605	0.71077	0.19412	0.33491	0.42200
67	7.4376	0.49853	0.13755	0.23484	0.47000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0.

AVG WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	12.811	0.85861	0.23691	0.40457	0.50900
82	18.166	1.2175	0.33595	0.57749	0.58300
92	14.916	0.99072	0.27585	0.47106	0.67000

ADDITIONAL PRESSURE RATIOS - EJECTOR SHROUD

AVG WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.561	0.97502	0.26528	0.45984	-1.0000
-117	14.501	0.97190	0.26817	0.45795	-1.0000
-127	14.526	0.97358	0.26863	0.45874	-1.0000
-137	14.776	0.99034	0.27326	0.46663	-1.0000
-147	14.876	0.99704	0.27511	0.46979	-1.0000
-152	14.846	0.99503	0.27455	0.46884	-1.0000

ADDITIONAL PRESSURE RATIOS - FOREBODY INLET

AVG WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.561	0.97502	0.26528	0.45984	0.39800
117	14.501	0.97190	0.26817	0.45795	0.43100
127	14.526	0.97358	0.26863	0.45974	0.44900
137	14.776	0.99034	0.27326	0.46663	0.48600
147	14.876	0.99704	0.27511	0.46979	0.52200
152	14.846	0.99503	0.27455	0.46884	0.58800
-157	14.811	0.99336	0.27376	0.46799	0.60500

ADDITIONAL PRESSURE RATIOS - FAN SHROUD 0.0

AVG WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-157	14.811	0.99336	0.27376	0.46799	-1.0000
-167	14.811	0.99339	0.27575	0.47099	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 DEG SHROUD LOCATION

AVG WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.911	0.99939	0.27575	0.47097	0.79300
175	14.916	0.99972	0.27585	0.47106	0.84400

ADDITIONAL PRESSURE RATIOS - 40 DEG SHROUD LOCATION

AVG WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	15.066	1.00098	0.27862	0.47679	0.79300
197	14.851	0.99534	0.27464	0.46500	0.84400

RUN28

NASA-LEWIS PRELIMINARY DATA 06/14/79 CARBON REC 10/26/79 14:18:27.355 FAC 00001 PGM 0134 EPG 1660

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	14.724	0.98786	0.25274	0.42895	0.43400
47	14.339	0.96136	0.25082	0.42318	0.43300
47	14.789	0.95967	0.25012	0.42599	0.43100
52	14.719	0.98752	0.25765	0.43881	0.42900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	11.749	0.75471	0.19601	0.32536	0.42200
47	7.8776	0.52852	0.13789	0.23485	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.564	0.91074	0.23743	0.40438	0.50800
82	19.178	1.28857	0.33573	0.57174	0.58300
92	14.904	0.99926	0.26071	0.44402	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.549	0.97612	0.25467	0.43374	-1.0000
-112	14.499	0.97276	0.25380	0.43225	-1.0000
-122	14.534	0.97511	0.25441	0.43329	-1.0000
-127	14.784	0.99188	0.25879	0.44074	-1.0000
-137	14.874	0.99792	0.26036	0.44343	-1.0000
-147	14.874	0.99792	0.26036	0.44343	-1.0000

ADDITIONAL PRESSURE RATIOS , FORERBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.549	0.97612	0.25467	0.43374	0.39800
112	14.499	0.97276	0.25380	0.43225	0.43100
122	14.534	0.97511	0.25441	0.43329	0.44900
127	14.784	0.99188	0.25879	0.44074	0.48600
137	14.874	0.99792	0.26036	0.44343	0.52200
147	14.874	0.99792	0.26036	0.44343	0.58800
-152	14.904	0.99926	0.26071	0.44402	-1.0000
-157	14.904	0.99926	0.26071	0.44402	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.904	0.99926	0.26071	0.44402	-1.0000
-157	14.904	0.99926	0.26071	0.44402	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
127	14.709	1.0003	0.26097	0.44447	0.79300
177	14.914	1.00003	0.26089	0.44432	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	15.779	1.0117	0.26295	0.44954	0.79300
197	15.744	1.00725	0.26219	0.44213	0.84400

Run28

DATE: 10/26/79 04:18:42.703 REC 10/26/79 04:18:42.703 F&F 000001 PGM 0004 PPG 1601

NAME: 1 F&F DEF: 10/26/79 04:18:42.703 F&F 000001 PGM 0004 PPG 1601

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER, FLOW

AVD W/NO	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
12	14.756	0.9800	0.25836	0.43641	0.43603
17	14.741	0.96116	0.25106	0.43705	0.53300
17	14.736	0.95881	0.25048	0.42601	0.43103
17	14.756	0.98005	0.25836	0.43641	0.72900

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER, FLOW

AVD W/NO	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
12	11.277	0.76878	0.16744	0.23600	0.42203
17	7.3265	0.53123	0.13878	0.23600	0.47000

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER, FLOW

AVD W/NO	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
17	11.552	0.90822	0.23726	0.40354	0.50800
17	19.165	1.2866	0.33553	0.57064	0.58300
17	14.926	1.3303	0.26133	0.44447	0.67000

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER, FLOW

AVD W/NO	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	16.586	0.97756	0.25538	0.43635	-1.0000
112	14.541	0.97459	0.25459	0.43301	-1.0000
127	14.561	0.97589	0.25578	0.43260	-1.3300
127	14.821	0.99331	0.25846	0.44134	-1.0000
137	14.896	0.99768	0.26063	0.44328	-1.0000
142	14.906	0.99833	0.26080	0.44357	-1.0000

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER, FLOW

AVD W/NO	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	16.586	0.97756	0.25538	0.43635	0.39800
112	14.541	0.97459	0.25459	0.43301	0.43100
127	14.561	0.97589	0.25578	0.43260	0.44903
127	14.821	0.99331	0.25846	0.44134	0.48600
137	14.896	0.99768	0.26063	0.44328	0.52203
142	14.906	0.99833	0.26080	0.44357	0.58800

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER, FLOW

AVD W/NO	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	14.976	1.0003	0.26133	0.44447	-1.0000
112	14.921	1.0100	0.26124	0.44447	-1.0000

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER, FLOW

AVD W/NO	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	14.976	1.0003	0.26133	0.44447	0.79300
112	14.921	1.0100	0.26124	0.44447	0.84400

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER, FLOW

AVD W/NO	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	14.976	1.0003	0.26133	0.44447	0.79300
112	14.921	1.0100	0.26124	0.44447	0.84400

RUN28

PER 10/26/79 C4:10:40.041 PGM C034 PPG 1667

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PER 10/26/79 C4:10:40.041

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVN W/P/N	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	14.162	0.94664	0.26168	0.44614	0.43400
37	14.351	0.95935	0.26510	0.45212	0.53300
47	14.316	0.94702	0.26454	0.45102	0.63100
57	14.152	0.94500	0.26119	0.44582	0.72500

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVN W/P/N	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
43	10.593	0.70742	0.19554	0.33339	0.42200
47	7.4922	0.59017	0.13826	0.23572	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.

AVN W/P/N	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	12.867	0.86013	0.27776	0.40534	0.50800
92	19.159	1.2139	0.33555	0.57208	0.58300
92	14.961	1.3031	0.27665	0.47133	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVN W/P/N	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.591	0.97539	0.26562	0.45968	-1.0000
112	14.541	0.97205	0.26870	0.45810	-1.0000
122	14.561	0.97339	0.26506	0.45873	-1.0000
127	14.921	1.00076	0.27387	0.46602	-1.0000
137	14.986	0.99510	0.27507	0.46928	-1.0000
147	14.836	0.99577	0.27525	0.46928	-1.0000
152	14.956	0.99978	0.27636	0.47117	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVN W/P/N	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
137	14.591	0.97539	0.26562	0.45968	0.39400
112	14.541	0.97205	0.26870	0.45810	0.43100
122	14.561	0.97339	0.26506	0.45873	0.44500
127	14.921	1.00076	0.27387	0.46602	0.48600
137	14.986	0.99510	0.27507	0.46928	0.52200
147	14.836	0.99577	0.27525	0.46928	0.58800
152	14.956	0.99978	0.27636	0.47117	0.67000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVN W/P/N	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.956	0.99978	0.27636	0.47117	0.79300
177	14.966	1.00094	0.27654	0.47149	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVN W/P/N	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
182	15.176	1.0111	0.27650	0.47652	0.79300
197	14.891	0.99543	0.27516	0.46512	0.84400

DOI: 10.1002/anie

766 J. M. J. O.

TABLE 1

OFF 1012679 06:30:17.735

continued

06/14/73

DATA FILE SOCIETY DATA

CHILD ABUSE & CHILD NEGLECT, 2010

data	u	pl/eff	pl/eff	pl/eff	x/nyw	x/nyw
55	13.829	0.27303	0.29414	0.50108	0.53407	0.53407
57	14.339	0.35708	0.37050	0.52064	0.53300	0.53300
59	14.339	0.35538	0.37636	0.51040	0.63100	0.63100
61	14.814	0.2273	0.29383	0.50143	0.72903	0.72903

U.S. MAIL • SUBSCRIPTION INFORMATION

№	WSPN	pl	pl / on	pl / pte	pl / ptp	κ / max
4		9.1723	1.61220	0.10009	0.3203	1.42700
7		15.315	1.0158	0.33341	0.85274	1.673013

ADDITIONAL PREFERRED PATENTS, FILED SEPARATELY U.S.

Wavelength	ρ_1	η_1/η_0	ρ_1/ρ_0	η_1/η_0	ρ_1/ρ_0	η_1/η_0
4000	11.193	0.74710	0.23608	0.43630	0.50800	0.50800
77	15.779	1.0628	0.37641	0.57241	0.58100	0.58100
92	16.963	0.99897	0.31818	0.54300	0.67000	0.67000

~~ADDITIONAL RECORDS DATE RECEIVED~~

Wavelength	μ	μ/μ_0	μ/μ_0	μ/μ_0	μ/μ_0	μ/μ_0
1.77	12.500	0.97464	0.31053	0.52557	-1.0000	-1.0000
1.77	14.545	1.03377	0.30936	0.52764	-1.0000	-1.0000
1.77	14.575	1.07233	0.30500	0.52902	-1.0000	-1.0000
1.77	14.930	0.98979	0.30562	0.53028	-1.0000	-1.0000
1.77	15.495	1.00270	0.31638	0.53662	-1.0000	-1.0000
1.77	15.495	1.00364	0.31650	0.53660	-1.0000	-1.0000

[illegible]

Wavelength	PI	PI/PO	PI/PE	PI/PTP	X/D MAX
137	16.570	0.97446	0.31053	0.52953	0.39400
137	14.545	0.97077	0.30636	0.52794	0.42103
127	14.675	0.97277	0.30656	0.52493	0.44500
127	14.830	0.96970	0.31642	0.53828	0.48400
137	14.975	0.96270	0.31634	0.53662	0.52200
147	14.995	0.96344	0.31645	0.54028	0.58900
157	14.995	0.96344	0.31645	0.54028	0.60000
167	14.995	0.96344	0.31645	0.54028	0.60000

[illegible]

PI	WTS	W/DIT	PI/DTP	X/DMAX
16.06	0.0000	0.0000	0.0000	-1.0000
16.07	0.0001	0.0001	0.0001	-1.0000

AVAILABILITY OF SUPPLIES • 20 DEC. SUPPLY LOCATION

Run	Wavenumber	PI	PI/DO	PI/PTE	PI/PDP	WOMAX
17	14.973	0.0014	0.0014	0.0014	0.0014	0.79300
17	14.973	0.0014	0.0014	0.0014	0.0014	3.84600

ANNUAL REPORT OF THE NATIONAL BUREAU OF INVESTIGATION

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	24
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RUN28

ENG 1864

PGM 0074

RAF BRAXI

OFF 10/26/79 04:21:21.434

CANOFF

04/14/79

PRELIMINARY DATA

SECONDARY PRESSURE RATIOS, PRIMARY PI/PG

AVG W/PG	PI	PI/PG	PI/PTE	PI/PTP	X/DMAX
32	13.168	0.47002	0.31903	0.54209	0.43400
37	14.363	0.96977	0.34798	0.56128	0.53303
47	14.338	0.95810	0.34737	0.59075	0.63100
52	13.173	0.88025	0.31915	0.54229	0.72900

SECONDARY PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG W/PG	PI	PI/PG	PI/PTE	PI/PTP	X/DMAX
42	8.1417	0.54405	0.19725	0.33517	0.42200
47	13.778	0.92368	0.33381	0.56720	0.67000

SECONDARY PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG W/PG	PI	PI/PG	PI/PTE	PI/PTP	X/DMAX
77	0.7325	0.64834	0.23507	0.39942	0.50800
82	19.792	1.3225	0.47951	0.81476	0.58700
92	14.968	1.0732	0.36264	0.61618	0.67000

SECONDARY PRESSURE RATIOS, ENERGY INLET

AVG W/PG	PI	PI/PG	PI/PTE	PI/PTP	X/DMAX
107	16.593	0.97514	0.35384	0.60075	-1.0000
112	14.538	0.97146	0.34222	0.59848	-1.0000
122	14.573	0.97380	0.35307	0.59992	-1.0000
127	14.818	0.99017	0.35003	0.61001	-1.0000
137	14.848	0.99217	0.35973	0.61124	-1.0000
142	14.928	0.99084	0.35624	0.61042	-1.0000

SECONDARY PRESSURE RATIOS, ENERGY INLET

AVG W/PG	PI	PI/PG	PI/PTE	PI/PTP	X/DMAX
107	14.593	0.97514	0.35384	0.60075	0.39800
112	14.538	0.97146	0.34222	0.59848	0.43100
122	14.573	0.97380	0.35307	0.59992	0.44900
127	14.818	0.99017	0.35003	0.61031	0.48600
137	14.848	0.99217	0.35973	0.61124	0.52200
142	14.928	0.99084	0.35624	0.61042	0.58800

SECONDARY PRESSURE RATIOS, 23 DEG. SHROUD INCLINATION

AVG W/PG	PI	PI/PG	PI/PTE	PI/PTP	X/DMAX
107	14.593	0.97514	0.35384	0.60075	-1.0000
112	14.538	0.97146	0.34222	0.59848	-1.0000
122	14.573	0.97380	0.35307	0.59992	-1.0000
127	14.818	0.99017	0.35003	0.61001	-1.0000
137	14.848	0.99217	0.35973	0.61124	-1.0000
142	14.928	0.99084	0.35624	0.61042	-1.0000

SECONDARY PRESSURE RATIOS, 23 DEG. SHROUD INCLINATION

AVG W/PG	PI	PI/PG	PI/PTE	PI/PTP	X/DMAX
147	14.943	0.99384	0.36252	0.61598	0.79300
157	14.963	0.99586	0.36252	0.61598	0.84400

SECONDARY PRESSURE RATIOS, 40 DEG. SHROUD INCLINATION

AVG W/PG	PI	PI/PG	PI/PTE	PI/PTP	X/DMAX
107	14.518	1.0034	0.36385	0.61824	0.79300
117	14.724	0.98416	0.35682	0.60630	0.84400

DATE-TIME PRELIMINARY DATA 06/14/79 06:24:44.735 000 1667

ADDITIONAL PRESSURE RATIOS - PRIMARY PUMP

AVD WOPN	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
12	14.071	1.0035	0.55149	0.93774	0.43400
17	14.531	0.96089	0.52808	0.89764	0.53300
47	14.476	0.95923	0.52716	0.89638	0.63100
62	14.761	1.0328	0.55113	0.93712	0.72600

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVD WOPN	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
62	14.761	0.98286	0.54015	0.91847	0.42200
67	14.076	1.0038	0.55168	0.93607	0.67000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.D.

AVD WOPN	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
77	13.036	0.86801	0.47703	0.81114	0.50800
92	16.946	1.1283	0.59000	1.0544	0.58100
92	15.021	1.0002	0.54966	0.93465	0.67000

~~ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER S.W.~~

AVD WOPN	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
-107	14.586	0.92121	0.53275	0.90758	-1.0000
-112	14.491	0.96489	0.53027	0.90167	-1.0000
-122	14.491	0.96489	0.53027	0.90167	-1.0000
-127	14.771	0.98353	0.54052	0.91900	-1.0000
-137	14.766	0.98319	0.54033	0.91878	-1.0000
-142	14.566	0.96988	0.53302	0.90834	-1.0000

ADDITIONAL PRESSURE RATIOS - FLOW INLET

AVD WOPN	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
107	14.586	0.92121	0.53275	0.90758	0.39800
112	14.491	0.96489	0.53027	0.90167	0.43100
127	14.491	0.96489	0.53027	0.90167	0.44900
127	14.771	0.98353	0.54052	0.91900	0.48600
137	14.766	0.98319	0.54033	0.91878	0.52200
142	14.566	0.96988	0.53302	0.90834	0.58800
142	14.926	1.0095	0.54985	0.93464	1.0000
147	14.731	1.0008	0.55003	0.93527	-1.0000

~~ADDITIONAL PRESSURE RATIOS - FLOW INLET~~

AVD WOPN	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
-125	14.726	1.0175	0.52889	0.92496	-1.0000
-127	14.731	1.0008	0.55003	0.93527	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 DEG. SHROUD LOCATION

AVD WOPN	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
147	14.731	1.0008	0.55003	0.93527	0.75300
177	14.021	1.0002	0.54966	0.93465	0.84400

ADDITIONAL PRESSURE RATIOS - 30 DEG. SHROUD LOCATION

AVD WOPN	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
147	14.731	1.0008	0.55003	0.93527	0.75300
187	14.476	0.96380	0.52672	0.89076	0.84400

RUN28

PAGE 1668

PGN 0034

END DATA

REF 10/26/79 04:25:38.064

ENDFILE

MASS-FLOW DEFIMINARY DATA 06/14/79

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
22	14.721	1.7031	0.55205	0.53764	0.43400
27	14.626	1.66401	0.53142	0.50144	0.53373
47	14.501	0.96167	0.53024	0.49026	0.63100
57	15.016	1.7027	0.55287	0.53764	0.72500

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
62	14.721	0.98303	0.54201	0.51923	0.42200
67	15.071	1.0031	0.55335	0.53764	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
77	13.731	0.86822	0.47871	0.41187	0.50800
82	16.870	1.1265	0.62113	1.0534	0.58300
92	14.981	1.0004	0.55158	0.53546	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER SPLITTER

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
107	14.551	0.97169	0.53576	0.50862	-1.0000
112	14.466	0.96601	0.53263	0.50333	-1.0000
122	14.471	0.96634	0.53281	0.50363	-1.0000
127	14.736	0.98633	0.54257	0.52017	-1.0000
137	14.766	0.98604	0.54367	0.52274	-1.0000
142	14.531	0.97035	0.53502	0.50737	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
107	14.551	0.97169	0.53576	0.50862	0.39800
112	14.466	0.96601	0.53263	0.50332	0.43100
122	14.471	0.96634	0.53281	0.50363	0.44900
127	14.736	0.98633	0.54257	0.52017	0.44800
137	14.766	0.98604	0.54367	0.52204	0.52200
142	14.531	0.97035	0.53502	0.50737	0.54800

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
147	14.081	1.0077	0.54158	0.53546	-1.0000
157	14.186	1.0007	0.54177	0.53577	-1.0000

ADDITIONAL PRESSURE RATIOS, NO DEG. SPLITTER INJECTION

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
167	14.086	1.0037	0.54177	0.53577	0.79300
177	14.086	1.0007	0.54177	0.53577	0.84400

ADDITIONAL PRESSURE RATIOS, NO DEG. SPLITTER INJECTION

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
187	14.081	0.99104	0.54643	0.52873	0.79300
197	14.441	0.96434	0.53171	0.50176	0.84400

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PRIMARY PATENTS, SECONDARY PATENTS

Run	Run	PL	Wt %O ₂	Wt %O ₂	Wt %O ₂	Wt %O ₂
32	32	13.214	0.88458	0.25740	0.55919	0.35400
37	37	14.669	0.06777	0.38866	0.65520	0.33302
47	47	14.679	0.06593	0.38670	0.65625	0.33100
52	52	13.214	0.88458	0.25740	0.55919	0.35400

ACTIVITY TOTAL PRESSURE RAYON, FLOW COMPUTER I.O.

UVN W000	pl	pl / wt	pl / ptp	wt / max
5	7.428	0.49710	0.37672	0.42700
7	13.906	1.93681	0.63456	0.67000

ADAPTIVITY IN INITIAL PRESSURE RATIOS • FLOW SPLITTER C.O.

run	WFO	PL	MI/PO	MI/PTF	MI/STP	K/OMAX
77		8.8120	0.58000	0.23513	0.2095P	0.50800
82		20.140	1.3415	0.53472	0.4086P	3.58303
52		16.954	1.0311	0.30003	0.47810	0.67003

~~Efficiency over the A-Cell with the J-Cell~~

WD (mm)	PH (°C)	PH (°F)	PL (g/g)	K/D MAX
117	14.574	57.844	0.76885	-1.0000
117	14.504	58.1095	0.58702	-1.0000
122	14.574	0.58756	0.65860	-1.0000
127	14.779	0.59937	0.67017	-1.0000
137	14.789	0.59904	0.67047	-1.0000
142	14.699	0.59491	0.66223	-1.0000

ADDITIONAL PRESSURE, FORCE AND

Wavelength	PI	PI/PO	PI/OTF	PI/PTP	X/Ymax
100	14.574	0.97564	0.38899	0.46087	0.39800
110	14.504	0.97096	0.38703	0.45760	0.43100
120	14.526	0.97226	0.38786	0.45810	0.44900
130	14.570	0.98037	0.30436	0.47017	0.48600
140	14.579	0.98006	0.30463	0.47042	0.52200
150	14.650	0.98401	0.30223	0.46654	0.58800
160	14.669	1.00000	0.30000	0.46000	0.60000
170	14.689	1.00000	0.30000	0.46000	0.60000

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

	P1	M/PD	D1/PDP	K/DIMAX
60	14.99	1.0787	0.3589	-1.0000
61	14.14	1.0007	0.3690	-1.0000

COLLECTIVE BARGAINING RATIOS • 20 DEGREE SHORTS INDICATION

PI	PI/PD	PI/PTF	PI/PTD	K/MAX
67	14.949	1.7107	0.67788	0.79300
75	14.949	1.9007	0.67788	0.84400

ADULT EDUCATION

	μ	$M/\bar{M}_n$	M/PDI	K/DMA
a ^c	16.974	1.1318	0.3030	0.7030
p ^e	16.476	0.99304	0.39156	0.86600

ADDITIONAL PRESSURE RATIOS - PRIMARY PHIC

AVG WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
12	15.130	1.0097	0.5540	0.8081	0.4340
17	14.493	0.9668	0.5096	0.7734	0.5330
17	14.455	0.9646	0.5296	0.7737	0.4310
17	15.120	1.0000	0.5540	0.8081	0.7260

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVG WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
12	13.810	0.9214	0.5065	0.7373	0.4220
17	15.170	1.0257	0.5619	0.8202	0.6700

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.D.

AVG WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
12	13.171	0.8792	0.4821	0.7034	0.5080
17	17.074	1.1361	0.8238	0.9027	0.5830
17	15.115	1.0020	0.5501	0.8019	0.6700

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVG WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
107	14.600	0.9743	0.5349	0.7781	-1.0000
112	14.520	0.9689	0.5320	0.7754	-1.0000
122	14.530	0.9695	0.5324	0.7760	-1.0000
127	14.400	0.9676	0.5321	0.7704	-1.0000
137	14.855	0.9913	0.5443	0.7934	-1.0000
142	14.600	0.9803	0.5328	0.7784	-1.0000

ADDITIONAL PRESSURE RATIOS - ENERGY INLET

AVG WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
107	14.600	0.9743	0.5349	0.7781	0.3980
112	14.520	0.9689	0.5320	0.7754	0.4310
122	14.530	0.9695	0.5324	0.7760	0.4490
127	14.400	0.9676	0.5321	0.7704	0.4860
137	14.855	0.9913	0.5443	0.7934	0.5220
142	14.600	0.9803	0.5328	0.7784	0.5880
147	14.995	1.0000	0.5540	0.8081	1.0000
157	14.995	1.0000	0.5540	0.8081	1.0000

ADDITIONAL PRESSURE RATIOS - SAN AGILE FLAP

AVG WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
157	14.995	1.0000	0.5540	0.8081	-1.0000
157	14.995	1.0000	0.5540	0.8081	-1.0000

ADDITIONAL PRESSURE RATIOS - NO NEG. SHROUD LOCATION

AVG WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
147	14.995	1.0000	0.5540	0.8081	0.7930
157	14.995	1.0000	0.5540	0.8081	0.8440

ADDITIONAL PRESSURE RATIOS - NO NEG. SHROUD LOCATION

AVG WORN	PI	PI/PN	PI/PTE	PI/PTP	X/DMAX
147	15.145	1.0040	0.5512	0.8037	0.7930
147	14.730	0.9820	0.5305	0.7847	0.8440

RUN28

NASA-EFWIS PRELIMINARY DATA 06/14/79 CADD011 REC 10/26/79 04:31:06.024 FSC RXAX1 PGM C034 PPG 1471

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	13.679	0.91469	0.43362	0.62676	0.43400
37	14.499	0.96881	0.45928	0.66385	0.53300
67	14.453	0.96647	0.45817	0.66225	0.63100
52	13.674	0.91434	0.43346	0.62653	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	7.3303	0.49017	0.23237	0.33588	0.42200
67	14.948	0.99954	0.47386	0.68492	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.669	0.84718	0.40162	0.58051	0.50800
82	17.756	1.1873	0.56287	0.81357	0.58300
82	14.943	0.99921	0.47370	0.68469	0.67300

ADDITIONAL PRESSURE RATIOS , PIPETER SHORTS

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.533	0.97181	0.46071	0.66591	-1.0000
-112	14.453	0.96647	0.45817	0.66225	-1.0000
-122	14.473	0.96780	0.45881	0.66317	-1.0000
-127	14.738	0.98551	0.46720	0.67530	-1.0000
-137	14.733	0.98518	0.46704	0.67507	-1.0000
-147	14.583	0.97515	0.46229	0.66870	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.533	0.97181	0.46071	0.66591	0.39800
112	14.453	0.96647	0.45817	0.66225	0.43100
122	14.473	0.96780	0.45881	0.66317	0.44900
127	14.738	0.98551	0.46720	0.67530	0.48600
137	14.733	0.98518	0.46704	0.67507	0.52200
147	14.583	0.97515	0.46229	0.66870	0.58800
152	14.938	0.99988	0.47354	0.68446	-1.0000
157	14.938	0.99988	0.47354	0.68446	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.938	0.99988	0.47354	0.68446	-1.0000
-157	14.938	0.99988	0.47354	0.68446	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHEPARD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.948	0.99954	0.47386	0.68492	0.79300
177	14.947	0.99921	0.47370	0.68469	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHEPARD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.778	1.0015	0.47481	0.68679	0.79300
197	14.663	0.98050	0.46483	0.67187	0.84400

RUN28

MASS-FLOW PRELIMINARY DATA 06/14/79 CADDFII REF 10/26/79 04:31:45.730 FAC XXXX1 PGM 0034 RNC 1672

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.730	0.85271	0.74090	0.49720	0.43400
77	14.479	0.96989	0.38775	0.56552	0.53300
47	14.454	0.96922	0.78708	0.56454	0.63100
82	12.730	0.85271	0.74090	0.49720	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
82	8.5848	0.57506	0.22990	0.33531	0.42200
87	12.495	0.85074	0.77986	0.49583	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	8.6248	0.57774	0.23097	0.33687	0.50800
82	19.941	1.3358	0.57407	0.77886	0.58300
82	14.934	1.0004	0.79993	0.58329	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.539	0.97391	0.38935	0.56787	-1.0000
-117	14.459	0.96855	0.78721	0.56474	-1.0000
-127	14.474	0.96956	0.78761	0.56533	-1.0000
-127	14.739	0.98730	0.39471	0.57568	-1.0000
-137	14.739	0.98730	0.39471	0.57568	-1.0000
-147	14.634	0.98027	0.39190	0.57158	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
117	14.539	0.97391	0.38935	0.56787	0.39800
117	14.459	0.96855	0.78721	0.56474	0.43100
127	14.474	0.96956	0.78761	0.56533	0.44900
127	14.739	0.98730	0.39471	0.57568	0.48600
137	14.739	0.98730	0.39471	0.57568	0.52200
147	14.634	0.98027	0.39190	0.57158	0.58800
-147	14.474	0.96956	0.78761	0.56533	-1.0000
-147	14.474	0.96956	0.78761	0.56533	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN NOZZLE VENT~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	14.724	0.99969	0.39966	0.58290	-1.0000
-157	14.724	0.99969	0.39966	0.58290	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
177	14.724	0.99969	0.39966	0.58290	0.79700
177	14.724	0.99969	0.39966	0.58290	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.894	0.99768	0.39886	0.58173	0.79700
187	14.569	0.97502	0.39016	0.56904	0.84400

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RUN28

MASA-LEWIS PRELIMINARY DATA 06/14/79 CADDE11 REC 10/26/79 04:33:04.038 FAF WXXV1 PGM C334 PPG 1674

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
17	12.871	0.85852	0.31011	0.45815	0.43400
17	14.471	0.96524	0.74866	0.51510	0.53300
17	14.476	0.96458	0.74878	0.51528	0.53100
17	12.966	0.85819	0.30899	0.45797	0.42900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
17	9.3851	0.62600	0.22612	0.33406	0.42200
17	14.101	0.94057	0.33974	0.50193	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
17	9.6252	0.64202	0.23190	0.34261	0.50900
17	19.565	1.3350	0.47139	0.69643	0.58300
17	14.996	1.0000	0.36130	0.53379	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER SHROUD

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
-107	14.596	0.97358	0.35167	0.51955	-1.0000
-112	14.536	0.95058	0.35022	0.51741	-1.0000
-122	14.551	0.97058	0.35058	0.51795	-1.0000
-127	14.831	0.98926	0.35733	0.52791	-1.0000
-137	14.816	0.98826	0.35697	0.52728	-1.0000
-147	14.826	0.98892	0.35721	0.52774	-1.0000

ADDITIONAL PRESSURE RATIOS , FORERODDY INLET

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
107	14.596	0.97358	0.35167	0.51955	0.39800
112	14.536	0.96958	0.35022	0.51741	0.43100
122	14.551	0.97058	0.35058	0.51795	0.44900
127	14.831	0.98926	0.35733	0.52791	0.48600
137	14.816	0.98826	0.35697	0.52728	0.52200
147	14.826	0.98892	0.35721	0.52774	0.58800
-152	15.001	1.0000	0.36130	0.53396	-1.0000
-157	14.996	1.0000	0.36130	0.53379	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
-152	15.001	1.0000	0.36130	0.53396	-1.0000
-157	14.996	1.0000	0.36130	0.53379	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
167	14.991	0.99993	0.36118	0.53361	0.79300
177	14.991	0.99993	0.36118	0.53361	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
187	14.996	1.0000	0.36130	0.53379	0.79300
197	14.666	0.97825	0.35335	0.52204	0.84400

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RUN20

NASA-LEWIS PRELIMINARY DATA 06/14/79 CANNELL PFC 10/26/79 04:34:02.349

FAC 054X1

PGM 0034

PRG 1A75

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	13.679	0.91400	0.29193	0.43238	0.43400
27	14.489	0.96820	0.30922	0.45708	0.53300
47	14.494	0.96854	0.30932	0.45813	0.63100
52	13.669	0.91342	0.29172	0.43204	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	10.564	0.79594	0.27546	0.33392	0.42200
47	0.6489	0.64479	0.29593	0.33459	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.359	0.73902	0.23602	0.34957	0.50800
92	15.678	1.0477	0.33461	0.40558	0.58300
92	14.979	1.0009	0.31967	0.47346	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR CHAMBER~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.629	0.97755	0.31220	0.46240	-1.0000
-112	14.574	0.97389	0.31103	0.46066	-1.0000
-122	14.594	0.97522	0.31146	0.46129	-1.0000
-127	14.949	0.99225	0.31690	0.46935	-1.0000
-137	14.854	0.99259	0.31700	0.46951	-1.0000
-142	14.919	0.99693	0.31839	0.47156	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.629	0.97755	0.31220	0.46240	0.39800
112	14.574	0.97389	0.31103	0.46066	0.43100
122	14.594	0.97522	0.31146	0.46129	0.44900
127	14.949	0.99225	0.31690	0.46935	0.48600
137	14.854	0.99259	0.31700	0.46951	0.52200
142	14.919	0.99693	0.31839	0.47156	0.58900
147	14.979	1.0009	0.31967	0.47346	0.67000

~~ADDITIONAL PRESSURE RATIOS , PAN NOZZLE PLUG~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.979	1.0009	0.31967	0.47346	-1.0000
-157	14.979	1.0009	0.31967	0.47346	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.979	1.0009	0.31967	0.47346	0.79300
172	14.979	1.0009	0.31967	0.47346	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	15.138	1.0116	0.32309	0.47852	0.79300
187	14.994	0.99459	0.31764	0.47046	0.84400

RUN28

MASSACHUSETTS PRELIMINARY DATA 76/14/76 CADRE III DEC 10/26/76 14:25:20 R.12 FAC RYXVI DGM 1.34 005 1676

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
77	15.756	1.0559	0.29094	0.42231	0.43400
77	14.576	0.97219	0.26786	0.38973	0.53300
77	14.506	0.97219	0.26786	0.38973	0.63100
77	15.761	1.0563	0.29100	0.42340	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
77	12.446	0.83414	0.22983	0.33436	0.42200
77	8.7904	0.58513	0.16232	0.23617	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.I.

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
77	12.796	0.85760	0.23629	0.34379	0.53800
77	18.150	1.2164	0.33515	0.48764	0.58300
77	14.916	0.99966	0.27543	0.40075	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER SPLIT~~

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
-177	14.571	0.97654	0.26906	0.39148	-1.0000
-117	14.521	0.97319	0.26814	0.39014	-1.0000
-127	14.536	0.97420	0.26842	0.39054	-1.0000
-127	14.791	0.99128	0.27312	0.39739	-1.0000
-137	14.856	0.99564	0.27432	0.39913	-1.0000
-147	14.841	0.99463	0.27405	0.39872	-1.0000

ADDITIONAL PRESSURE RATIOS , EMERGENCY INLET

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
107	14.571	0.97654	0.26906	0.39148	0.39800
117	14.521	0.97319	0.26814	0.39014	0.43100
127	14.536	0.97420	0.26842	0.39054	0.44900
127	14.791	0.99128	0.27312	0.39739	0.48600
137	14.856	0.99564	0.27432	0.39913	0.52200
147	14.841	0.99463	0.27405	0.39872	0.58800
-177	14.571	0.97654	0.26906	0.39148	-1.0000
-147	14.916	0.99966	0.27543	0.40075	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW~~

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
-157	14.921	1.0000	0.27552	0.40088	-1.0000
-157	14.916	0.99966	0.27543	0.40075	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
177	14.916	0.99966	0.27543	0.40075	0.79300
177	14.916	0.99966	0.27543	0.40075	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
187	15.154	1.0157	0.27586	0.40319	0.79300
187	14.951	1.0000	0.27608	0.40369	0.84400

ADDITIONAL PRESSURE RATIOS, OPTIMUM PLUG

AVD WOPD	PI	PI/PD	PI/PD	PI/PD	PI/PD	X/DMAX
32	14.331	1.0956	0.78714	0.41987	0.43400	
37	14.522	0.97422	0.25535	0.37336	0.53303	
47	14.532	0.97288	0.25500	0.37284	0.53103	
52	14.331	1.0949	0.28698	0.41981	0.72900	

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WOPD	PI	PI/PD	PI/PD	PI/PD	PI/PD	X/DMAX
62	13.137	0.88134	0.23100	0.33776	0.42203	
67	0.1428	0.41337	0.16077	0.23507	0.67003	

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WOPD	PI	PI/PD	PI/PD	PI/PD	PI/PD	X/DMAX
77	13.497	0.90548	0.23733	0.34702	0.50803	
82	19.119	1.2826	0.33619	0.49155	0.58200	
87	14.836	0.90937	0.26194	0.38299	0.67003	

ADDITIONAL PRESSURE RATIOS, ENERGY INLET

AVD WOPD	PI	PI/PD	PI/PD	PI/PD	PI/PD	X/DMAX
107	14.557	0.97657	0.25506	0.37426	0.59803	
112	14.517	0.97388	0.25526	0.37323	0.59803	
122	14.532	0.97489	0.25552	0.37361	0.59803	
127	14.781	1.09165	0.25992	0.38004	0.59803	
137	14.846	1.09601	0.26106	0.38171	0.59803	
142	14.856	1.09668	0.26124	0.38197	0.59803	
147	14.936	1.10903	0.26211	0.38325	0.59803	

ADDITIONAL PRESSURE RATIOS, ENERGY INLET

AVD WOPD	PI	PI/PD	PI/PD	PI/PD	PI/PD	X/DMAX
107	14.557	0.97657	0.25506	0.37426	0.59803	
112	14.517	0.97388	0.25526	0.37323	0.59803	
122	14.532	0.97489	0.25552	0.37361	0.59803	
127	14.781	1.09165	0.25992	0.38004	0.59803	
137	14.846	1.09601	0.26106	0.38171	0.59803	
142	14.856	1.09668	0.26124	0.38197	0.59803	
147	14.936	1.10903	0.26211	0.38325	0.59803	

ADDITIONAL PRESSURE RATIOS, 20 DEG. SLOPED INLET

AVD WOPD	PI	PI/PD	PI/PD	PI/PD	PI/PD	X/DMAX
142	14.856	1.09668	0.26124	0.38197	0.59803	
147	14.936	1.10903	0.26211	0.38325	0.59803	

ADDITIONAL PRESSURE RATIOS, 20 DEG. SLOPED INLET

AVD WOPD	PI	PI/PD	PI/PD	PI/PD	PI/PD	X/DMAX
142	14.856	1.09668	0.26124	0.38197	0.59803	
147	14.936	1.10903	0.26211	0.38325	0.59803	

ADDITIONAL PRESSURE RATIOS, 30 DEG. SLOPED INLET

AVD WOPD	PI	PI/PD	PI/PD	PI/PD	PI/PD	X/DMAX
142	14.856	1.09668	0.26124	0.38197	0.59803	
147	14.936	1.10903	0.26211	0.38325	0.59803	

RUN 28

NASA-LEWIS PRELIMINARY DATA 04/14/79 CADDETT REC 10/26/79 04:36:46.849

EAC REACT

PGM F374

PG 1478

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	16.313	1.0938	0.28736	0.42004	0.43400
37	14.557	0.97607	0.25644	0.37486	0.53300
47	14.577	0.97496	0.25591	0.37497	0.67100
52	16.323	1.0944	0.28753	0.42029	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	13.167	0.88285	0.23195	0.33004	0.42200
77	9.2151	0.61787	0.16733	0.23728	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.547	0.93834	0.23864	0.34883	0.59800
87	19.133	1.2928	0.37704	0.49265	0.58300
92	14.943	1.0319	0.26327	0.38476	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	16.597	0.97876	0.25714	0.37587	-1.0000
-117	14.557	0.97607	0.25644	0.37486	-1.0000
-127	14.587	0.97809	0.25697	0.37561	-1.0000
-127	14.827	0.99418	0.26120	0.38179	-1.0000
-137	14.877	0.99753	0.26208	0.38308	-1.0000
-147	14.897	0.99887	0.26243	0.38360	-1.0000

ADDITIONAL PRESSURE RATIOS, REPERFOR INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.507	0.97876	0.25714	0.37587	0.39800
112	14.557	0.97607	0.25644	0.37486	0.43100
127	14.587	0.97809	0.25697	0.37561	0.44900
127	14.927	0.99418	0.26120	0.38179	0.48600
137	14.877	0.99753	0.26208	0.38308	0.52200
147	14.897	0.99887	0.26243	0.38360	0.55800
-157	14.928	1.0016	0.26313	0.38443	-1.0000
-167	14.938	1.0016	0.26313	0.38443	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLEX

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	14.938	1.0016	0.26313	0.38443	-1.0000
-167	14.938	1.0016	0.26313	0.38443	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.943	1.0019	0.26322	0.38476	0.79300
177	14.977	1.0012	0.26335	0.38450	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	15.143	1.0153	0.26675	0.38991	0.79700
197	14.977	1.0009	0.26296	0.38437	0.84400

RUN28

WASH-LEWIS PRELIMINARY DATA 04/14/79 CACOFFII WFC 10/26/79 14:37:37.988 EAC RYXV1 PCH 0004 000 1679

ADDITIONAL PRESSURE RATIOS , PRIMARY FLUG

AVG WOPR	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	15.743	1.0521	0.76646	0.42416	0.43493
47	14.555	0.97292	0.76640	0.39225	0.53333
47	14.515	0.97075	0.76784	0.39117	0.63100
52	15.745	1.0525	0.76656	0.42423	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVG WOPR	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	12.625	0.84391	0.23298	0.34024	0.42200
47	8.7793	0.54881	0.16203	0.23658	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVG WOPR	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	12.373	0.86697	0.23935	0.34954	0.50800
47	14.795	1.2223	0.73781	0.49373	0.54333
52	14.943	1.0313	0.27644	0.49373	0.67000

~~ADDITIONAL PRESSURE RATIOS , PIPELINE THROUGH~~

AVG WOPR	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.615	0.97693	0.76671	0.39387	-1.0000
-112	14.570	0.97392	0.76688	0.39265	-1.0000
-122	14.590	0.97551	0.76624	0.39319	-1.0000
-127	14.850	1.00764	0.77404	0.40020	-1.0000
-127	14.865	0.99364	0.77433	0.40060	-1.0000
-147	14.910	0.99665	0.77515	0.40182	-1.0000

ADDITIONAL PRESSURE RATIOS , ENERGY INLET

AVG WOPR	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.615	0.97693	0.76671	0.39387	0.39800
112	14.570	0.97392	0.76688	0.39265	0.43100
122	14.590	0.97551	0.76624	0.39319	0.44900
127	14.850	0.99364	0.77404	0.40020	0.48600
127	14.865	0.99364	0.77433	0.40060	0.52200
147	14.910	0.99665	0.77515	0.40182	0.58800
147	14.925	1.0007	0.77626	0.40343	-1.0000
147	14.973	1.0337	0.77626	0.40343	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN WHEEL FLAP~~

AVG WOPR	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.320	1.0337	0.77626	0.40343	-1.0000
-107	14.370	1.0397	0.77626	0.40343	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WOPR	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.765	1.0003	0.77616	0.40330	0.79300
17	14.765	1.0003	0.77616	0.40330	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVG WOPR	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	15.210	1.0167	0.78069	0.40950	0.79300
107	15.000	1.0027	0.77681	0.40624	0.84400

RUN 18

NASA-LEWIS PRELIMINARY DATA 06/14/79 CADDEII REC 13/26/79 04:38:30.561

FAC 8X4X1

PGM C324

PDS 1680

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
22	13.878	0.92617	0.29623	0.43529	0.43400
27	14.553	0.97119	0.31074	0.46064	0.53300
27	14.523	0.96919	0.31010	0.45970	0.63100
52	13.893	0.92651	0.29644	0.43545	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
62	10.654	0.71125	0.22750	0.33725	0.42200
47	8.8998	0.59394	0.19003	0.28171	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	11.254	0.75107	0.24031	0.35624	0.50800
82	15.937	1.0569	0.33816	0.50129	0.58300
92	14.782	0.99987	0.31501	0.47425	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
-107	14.643	0.97719	0.31266	0.46349	-1.0000
-112	14.588	0.97353	0.31148	0.46175	-1.0000
-122	14.678	0.97486	0.31191	0.46238	-1.0000
-127	14.867	0.99220	0.31746	0.47061	-1.0000
-137	14.857	0.99153	0.31725	0.47029	-1.0000
-147	14.977	0.99487	0.31831	0.47187	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	14.643	0.97719	0.31266	0.46349	0.39800
112	14.588	0.97353	0.31148	0.46175	0.43100
122	14.678	0.97486	0.31191	0.46238	0.44900
127	14.867	0.99220	0.31746	0.47061	0.48600
137	14.857	0.99153	0.31725	0.47029	0.52200
147	14.977	0.99487	0.31831	0.47187	0.58800
-157	14.987	1.00000	0.32000	0.47440	-1.0000
-157	14.987	1.00000	0.32000	0.47440	-1.0000

~~ADDITIONAL PRESSURE RATIOS , PAN NOZZLE PLUG~~

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
-157	14.987	1.00000	0.32000	0.47440	-1.0000
-157	14.987	1.00000	0.32000	0.47440	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
167	14.987	0.99987	0.31991	0.47425	0.79300
177	14.777	0.99854	0.31981	0.47400	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
187	15.157	1.0115	0.32365	0.47978	0.79300
197	14.777	0.99854	0.31981	0.47187	0.84400

RUN28

NACA-LEWIS PRELIMINARY DATA 06/14/79 CADDREII SEC 10/26/79 04:39:43.P17

EAC BXAY

PCN 0324

005 1481

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	12.897	0.86275	0.31291	0.46156	0.43400
37	14.553	0.97384	0.35327	0.52109	0.53300
47	14.535	0.97284	0.35284	0.52046	0.63100
52	12.985	0.86341	0.31275	0.46138	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	9.3333	0.62510	0.22672	0.33647	0.42200
37	14.175	0.94406	0.34240	0.50507	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	9.7995	0.65590	0.23789	0.35090	0.50800
42	12.433	1.3007	0.47176	0.66587	0.58300
52	14.955	1.0009	0.36303	0.53550	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.573	0.97518	0.35369	0.52171	-1.0000
-112	14.520	0.97184	0.35247	0.51692	-1.0000
-122	14.535	0.97284	0.35284	0.52046	-1.0000
-127	14.793	0.98991	0.35903	0.52959	-1.0000
-137	14.815	0.99158	0.35963	0.53049	-1.0000
-142	14.780	0.98924	0.35879	0.52923	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.573	0.97518	0.35369	0.52171	0.39800
112	14.520	0.97184	0.35247	0.51692	0.43100
122	14.535	0.97284	0.35284	0.52046	0.44900
127	14.793	0.98991	0.35903	0.52959	0.48600
137	14.815	0.99158	0.35963	0.53049	0.52200
142	14.780	0.98924	0.35879	0.52923	0.58800
-107	14.955	1.0009	0.36303	0.53550	-1.0000
-152	14.950	1.0006	0.36291	0.53532	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD PLUG

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.955	1.0009	0.36303	0.53550	-1.0000
-157	14.953	1.0006	0.36291	0.53532	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.953	1.0006	0.36291	0.53532	0.79300
152	14.953	1.0006	0.36291	0.53532	0.84400

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.940	1.0012	0.36315	0.53568	0.75300
157	14.943	0.97687	0.35524	0.52422	0.84400

DATE 10/26/70 04:40:43.269

PGM 0334

NAME-1 FMC PRELIMINARY DATA 10/14/70 CANNELL

SANDHILL PRESSURE RATIOS, POLYMER DING

AVD WREN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	13.680	0.01552	0.43360	0.42724	0.43400
37	14.554	0.07405	0.44132	0.46734	0.53303
47	14.539	0.07306	0.46084	0.46665	0.63100
57	13.693	0.01453	0.43360	0.42724	0.72900

SANDHILL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WREN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
62	7.3335	0.49060	0.23235	0.32612	0.42200
67	14.969	1.0018	0.47446	0.68436	0.67000

SANDHILL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WREN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	12.615	0.84427	0.39085	0.47843	0.50800
82	17.787	1.1036	0.56379	0.81557	0.58303
92	14.929	0.95913	0.47320	0.68457	0.67000

SANDHILL PRESSURE RATIOS, FLOW SPLITTER SPLIT

AVD WREN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.574	0.97204	0.46037	0.65594	1.0000
112	14.459	0.96760	0.45831	0.64248	1.0000
122	14.464	0.96803	0.45847	0.66321	1.0000
127	14.329	0.95575	0.46686	0.67536	1.0000
137	14.744	0.98676	0.46734	0.67404	1.0000
142	14.589	0.97639	0.46243	0.68894	1.0000

SANDHILL PRESSURE RATIOS, FLOW SPLITTER INLET

AVD WREN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.574	0.97204	0.46037	0.65594	1.0000
112	14.459	0.96760	0.45831	0.64248	1.0000
122	14.464	0.96803	0.45847	0.66321	1.0000
127	14.329	0.95575	0.46686	0.67536	1.0000
137	14.744	0.98676	0.46734	0.67404	1.0000
142	14.589	0.97639	0.46243	0.68894	1.0000

SANDHILL PRESSURE RATIOS, FLOW SPLITTER OUTLET

AVD WREN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.574	0.97204	0.46037	0.65594	1.0000
112	14.459	0.96760	0.45831	0.64248	1.0000
122	14.464	0.96803	0.45847	0.66321	1.0000
127	14.329	0.95575	0.46686	0.67536	1.0000
137	14.744	0.98676	0.46734	0.67404	1.0000
142	14.589	0.97639	0.46243	0.68894	1.0000

SANDHILL PRESSURE RATIOS, 20 DEG. SHERIDAN LOCATION

AVD WREN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.939	0.90989	0.47351	0.68698	0.79303
172	14.036	0.90947	0.47335	0.68675	0.84400

SANDHILL PRESSURE RATIOS, 30 DEG. SHERIDAN LOCATION

AVD WREN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
182	14.984	1.0028	0.47464	0.68704	0.79303
187	14.036	0.90947	0.47335	0.68675	0.84400

RUN28

NASA-EFWIS PRELIMINARY DATA 06/14/79 CADDILLAC REC 10/26/79 04:42:23.229 FAC 9X6X1 PGW 0024 PDG 1483

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
37	12.977	0.85506	0.33080	0.49704	0.43400
47	14.567	0.97110	0.38591	0.56552	0.53300
57	14.557	0.97076	0.38579	0.56532	0.63100
52	12.917	0.85472	0.33067	0.49775	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
42	8.6334	0.57555	0.22872	0.33517	0.42200
47	12.842	0.85630	0.34033	0.49872	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	9.9413	0.66295	0.26346	0.38607	0.50800
87	19.181	1.2791	0.50833	0.74491	0.58300
92	15.307	1.0008	0.39771	0.58280	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER TYPICAL~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-177	14.637	0.97410	0.38711	0.56726	-1.0000
-112	14.527	0.96876	0.38499	0.56416	-1.0000
-127	14.547	0.97010	0.38552	0.56493	-1.0000
-127	14.807	0.98743	0.39241	0.57503	-1.0000
-137	14.817	0.98813	0.39267	0.57542	-1.0000
-142	14.712	0.98110	0.38989	0.57134	-1.0000

ADDITIONAL PRESSURE RATIOS , ENERGY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
107	14.607	0.97410	0.38711	0.56726	0.39800
112	14.527	0.96876	0.38499	0.56416	0.43100
127	14.547	0.97010	0.38552	0.56493	0.44900
127	14.807	0.98743	0.39241	0.57503	0.48600
137	14.817	0.98813	0.39267	0.57542	0.52200
142	14.712	0.98110	0.38989	0.57134	0.58800
-157	15.002	1.0004	0.39757	0.58260	-1.0000
-157	15.312	1.0011	0.39784	0.58299	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER TYPICAL~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-157	15.002	1.0004	0.39757	0.58260	-1.0000
-157	15.312	1.0011	0.39784	0.58299	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
167	15.337	1.0004	0.39757	0.58260	0.79300
172	15.337	1.0004	0.39757	0.58260	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
187	14.927	0.97091	0.39744	0.58241	0.79300
187	14.872	0.97843	0.39883	0.58970	0.84400

RUN28

NASA-LEWIS PRELIMINARY DATA 3/14/79 CRODELL REF 10/26/79 14:43:14.485 FAC BKAX1 RGM 0034 POC 1684

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
12	15.133	1.0381	0.55374	0.80795	0.43400
17	14.579	0.97119	0.53344	0.77833	0.53300
67	14.563	0.97053	0.53308	0.77780	0.63100
62	15.138	1.0385	0.55363	0.80822	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	17.928	0.92124	0.50401	0.73831	0.42200
67	15.378	1.0245	0.56273	0.82103	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.129	0.87462	0.48040	0.70094	0.50800
82	17.747	1.1357	0.62378	0.91015	0.58300
62	14.998	0.99915	0.54881	0.80075	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.598	0.97257	0.53417	0.77940	-1.0000
-112	14.523	0.96752	0.53143	0.77540	-1.0000
-127	14.549	0.96919	0.53235	0.77673	-1.0000
-127	14.813	0.98683	0.54204	0.79088	-1.0000
-127	14.843	0.98883	0.54314	0.79248	-1.0000
-147	14.688	0.97851	0.53747	0.78421	-1.0000

ADDITIONAL PRESSURE RATIOS, FORPECON INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.598	0.97252	0.53417	0.77940	0.39800
112	14.523	0.96752	0.53143	0.77540	0.43100
127	14.549	0.96919	0.53235	0.77673	0.44900
127	14.813	0.98683	0.54204	0.79088	0.48600
127	14.843	0.98883	0.54314	0.79248	0.52200
147	14.688	0.97851	0.53747	0.78421	0.58800
-157	15.303	0.99915	0.54881	0.80075	-1.0000
-157	14.998	0.99915	0.54881	0.80075	-1.0000

ADDITIONAL PRESSURE RATIOS, PAN NOZZLE PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	15.303	0.99915	0.54881	0.80075	-1.0000
-157	14.998	0.99915	0.54881	0.80075	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.993	0.99882	0.54862	0.80048	0.79300
177	14.993	0.99882	0.54862	0.80048	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	15.043	1.0021	0.55045	0.80315	0.79300
187	14.748	0.98250	0.53966	0.78741	0.84400

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Row 29
PDC 1895

PCW 0334

SAR 0841

SLR 1028/79 00:52:34.345

CADRE II

04/13/79

00:11:40

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00:11:40

ADDITIONAL PRESSURE RATIOS, 20 DEC SURFLOC 1.0.

AVG WIND	PI	PI/PO	PI/PTE	PI/PDP	PI/PMAX
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002

ADDITIONAL PRESSURE RATIOS, 20 DEC SURFLOC 1.0.

AVG WIND	PI	PI/PO	PI/PTE	PI/PDP	PI/PMAX
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002

ADDITIONAL PRESSURE RATIOS, 20 DEC SURFLOC 1.0.

AVG WIND	PI	PI/PO	PI/PTE	PI/PDP	PI/PMAX
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002

ADDITIONAL PRESSURE RATIOS, 20 DEC SURFLOC 1.0.

AVG WIND	PI	PI/PO	PI/PTE	PI/PDP	PI/PMAX
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002

ADDITIONAL PRESSURE RATIOS, 20 DEC SURFLOC 1.0.

AVG WIND	PI	PI/PO	PI/PTE	PI/PDP	PI/PMAX
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002

ADDITIONAL PRESSURE RATIOS, 20 DEC SURFLOC 1.0.

AVG WIND	PI	PI/PO	PI/PTE	PI/PDP	PI/PMAX
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002

ADDITIONAL PRESSURE RATIOS, 20 DEC SURFLOC 1.0.

AVG WIND	PI	PI/PO	PI/PTE	PI/PDP	PI/PMAX
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002

ADDITIONAL PRESSURE RATIOS, 20 DEC SURFLOC 1.0.

AVG WIND	PI	PI/PO	PI/PTE	PI/PDP	PI/PMAX
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002
17	6.4571	0.68501	0.10450	0.43544	0.34002

DATA-11215 PREDICTED DATA 04/13/79 CADDILLAC REF 10/28/79 00144111.871 FAC PVAX1 PCW C034 PPG 169A

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAY
72	8.6473	0.86685	0.10207	0.47441	0.47400
77	4.5782	0.45865	0.17164	0.22471	0.53200
87	5.8902	0.58974	0.17061	0.29874	0.62100
92	8.4973	0.85164	0.18873	0.41724	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAY
67	4.7643	0.67795	0.15024	0.33216	0.42200
67	4.6941	0.47067	0.10431	0.27940	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAY
77	16.513	1.6550	0.26677	0.81086	0.50800
82	8.6820	0.86816	0.10230	0.42534	0.58300
92	10.175	1.0148	0.22480	0.49718	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAY
-107	6.5405	0.65443	0.14547	0.32161	-1.00000
-112	6.5306	0.65942	0.14450	0.31965	-1.00000
-127	7.3088	0.72250	0.16012	0.35398	-1.00000
-127	8.3425	0.83612	0.18530	0.40965	-1.00000
-137	8.6121	0.86315	0.19128	0.42289	-1.00000
-147	8.7219	0.87416	0.19372	0.42820	-1.00000

ADDITIONAL PRESSURE RATIOS, EJECTOR INLET

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAY
107	6.5405	0.65443	0.14547	0.32161	0.39900
112	6.5096	0.65242	0.14459	0.31965	0.43100
127	7.3088	0.72250	0.16012	0.35398	0.44900
127	8.3425	0.83612	0.18530	0.40965	0.48600
137	8.6121	0.86315	0.19128	0.42289	0.52200
147	8.7219	0.87416	0.19372	0.42820	0.58800
-152	10.305	1.0318	0.22422	0.49571	-1.00000
-157	10.105	1.0128	0.22444	0.49620	-1.00000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAY
15	10.005	1.0118	0.22422	0.49571	0.46700
167	10.105	1.0128	0.22444	0.49620	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAY
167	10.100	1.0123	0.22433	0.49595	0.79300
177	10.100	1.0123	0.22433	0.49595	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAY
187	11.707	1.1734	0.24003	0.57488	0.75300
197	10.604	1.0708	0.23770	0.57443	0.84400

VARI 1

MACH-1 FWHC PRELIMINARY DATA 06/17/76 CADDFEII REC 10/28/76 00:45:31.142 EST RYAXI PCM 0314 POC 1687

ADDITIONAL PRESSURE RATIOS - PRIMARY PLUG

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
10	0.9877	0.99994	0.19100	0.42554	0.43400
11	0.7750	0.42801	0.13056	0.22403	0.53300
12	0.7338	0.67353	0.12878	0.28602	0.63100
13	0.2493	0.02701	0.15013	0.35230	0.72900

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 1.0.

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
10	7.7735	0.77752	0.14866	0.33122	0.47200
11	5.4700	0.54301	0.10383	0.23132	0.67000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0.

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
10	19.162	1.0166	0.26846	0.91646	0.50800
11	8.7380	0.87400	0.16711	0.37231	0.58300
12	10.142	1.0144	0.19354	0.43214	0.67000

ADDITIONAL PRESSURE RATIOS - EJECTOR SHROUD

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
-10	6.4338	0.63853	0.12551	0.28053	-1.0000
-11	6.4389	0.64503	0.12505	0.27861	-1.0000
-12	7.2197	0.72203	0.13805	0.30758	-1.0000
-13	8.3982	0.84001	0.16061	0.35783	-1.0000
-14	8.6781	0.86800	0.16504	0.36976	-1.0000
-15	8.7480	0.87400	0.16730	0.37274	-1.0000

ADDITIONAL PRESSURE RATIOS - FORBROW INLET

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
10	6.5938	0.65853	0.12551	0.28053	0.39800
11	6.5390	0.65403	0.12505	0.27861	0.43100
12	7.2197	0.72203	0.13805	0.30758	0.44900
13	8.3982	0.84001	0.16061	0.35783	0.48800
14	8.6781	0.86800	0.16504	0.36976	0.52200
15	8.7480	0.87400	0.16730	0.37274	0.58800
16	10.117	1.0114	0.19354	0.43214	0.67000
17	10.117	1.0114	0.19354	0.43214	0.67000

ADDITIONAL PRESSURE RATIOS - CAN 10715 FLAP

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
10	10.117	1.0114	0.19354	0.43214	0.46300
11	10.117	1.0114	0.19354	0.43214	0.45500

ADDITIONAL PRESSURE RATIOS - 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
10	10.117	1.0114	0.19354	0.43214	0.75300
11	10.117	1.0114	0.19354	0.43214	0.94400

ADDITIONAL PRESSURE RATIOS - 90 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
10	11.776	1.1778	0.22425	0.48642	0.79300
11	11.776	1.1778	0.22425	0.48642	0.84400

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AVG. YIELD	PI	PI / PO	PI / PTI	PI / PTD	Y / PMAX
32	11.677	1.1672	1.10490	0.47496	0.47400
37	6.1670	2.61501	0.13278	0.27621	1.53301
47	7.8536	2.78551	0.17110	0.28600	1.63100
52	10.719	1.0719	1.70882	0.76006	0.72500

AVG WPRD	PI	PL/PD	PL/PTT	PL/PTP	Y/PMAV
12	0.0617	0.90577	0.15117	0.32579	0.42200
67	0.3606	0.62578	0.12611	0.23148	0.67000

AVG WPRD	PI	PI / PD	PI / PTF	PI / PTP	X/D MAX
77	21.903	2.1894	0.36541	0.79714	0.50800
82	8.9260	0.89220	0.14807	0.32488	0.58300
97	10.140	1.0135	0.16916	0.36992	0.67000

AVR	WRPD	PI	PI/SD	PI/STF	PI/PTD	X/DMAX
-107	6.6353	0.66323	0.11069	0.24148	-1.0000	
-112	6.6203	0.66123	0.11044	0.24094	-1.0000	
-120	7.2944	0.72911	0.12169	0.26547	-1.0000	
-127	9.4327	0.94280	0.14888	0.30690	-1.0000	
-137	9.8773	0.98784	0.14493	0.31616	-1.0000	
-142	8.7821	0.87782	0.14651	0.31561	-1.0000	

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	Y / NMAX
107	6.6352	0.65323	0.11060	0.24148	0.39800
112	6.6793	0.66173	0.11044	0.24094	0.43100
122	7.2044	0.72911	0.12160	0.26547	0.44900
127	8.4327	0.86280	0.14068	0.30609	0.48600
137	8.6973	0.86934	0.16493	0.31616	0.52200
142	8.7821	0.87782	0.16651	0.31961	0.58800
152	10.116	1.0113	0.18874	0.36812	-1.0000
157	10.110	1.0105	0.18866	0.36792	-1.0000

AYD. MPPD	PI	PI / PD	PI / PTF	PI / PTP	Y / DMAY
152	10.115	1.0110	0.16874	0.36812	0.46300
157	10.110	1.0105	0.16866	0.36753	0.49500

AVD WFOFO	PI	PI / PO	PI / PTF	PI / PTP	Y / PMAX
167	10.115	1.0110	0.16874	0.36812	0.79303
177	10.115	1.0110	0.16874	0.36812	0.84400

AVG MOD	σ	DI/PD	DI/PTF	DI/PTD	X/DMAX
100	11.702	1.1697	0.19522	0.42597	0.79300
100	11.674	1.2660	0.17807	0.38866	0.84400

DATA-1 FIVE PRELIMINARY DATA 04/13/79 CADD011 47C 10/24/79 00:48:26.101 FAC 8X4X1 PGM C034 PDC 1689

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
33	13.665	1.3454	0.10452	0.52555	0.43400
37	7.1022	1.71935	0.10747	0.22478	0.52300
47	0.1878	1.01805	0.13080	0.28635	0.67161
55	0.0575	0.09395	0.14161	0.31707	0.72000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
32	10.632	1.0594	0.15722	0.27048	0.42200
37	7.4732	1.76672	0.11630	0.22295	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER D.O.

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
77	25.748	2.5777	0.26654	0.80258	0.50800
85	3.8975	0.08167	0.12660	0.30653	0.58300
92	10.152	1.0144	0.14452	0.21646	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTION THROUGH

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
-137	4.8932	0.65980	0.004003	0.20583	-1.0000
-117	4.6322	0.65980	0.004003	0.20583	-1.0000
-127	7.2632	1.72574	0.11340	0.22540	-1.0000
-127	0.4080	0.84013	0.11570	0.26209	-1.0000
-177	0.6420	0.84561	0.12333	0.27003	-1.0000
-147	0.7770	0.87709	0.12496	0.27762	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
137	4.6322	0.65980	0.004003	0.20583	0.0000
117	4.6322	0.65980	0.004003	0.20583	0.43100
127	7.2632	1.72574	0.11340	0.22540	0.44900
127	0.4080	0.84013	0.11570	0.26209	0.48600
127	0.6420	0.84561	0.12333	0.27003	0.52200
147	0.7770	0.87709	0.12496	0.27762	0.58300
-157	10.122	1.0114	0.14410	0.21553	-1.0000
-157	10.122	1.0114	0.14410	0.21553	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
157	11.122	1.0114	0.14410	0.21553	0.46300
167	11.122	1.0114	0.14410	0.21553	0.46500

ADDITIONAL PRESSURE RATIOS , 30 DEG. SHROUD LOCATION

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
167	11.122	1.0114	0.14410	0.21553	0.75300
177	10.122	1.0114	0.14410	0.21553	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG. SHROUD LOCATION

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
157	11.756	1.1747	0.14776	0.24646	0.75300
167	11.756	1.1747	0.14776	0.24646	0.84400

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PAGE 11

WAKE-UP MIC PRELIMINARY DATA 06/13/79 CANNOTT REC 10/28/79 00:51:05.120 SAC 8X4X1 PGM 7034 PNC 1490

ADDITIONAL PRESSURE RATIOS, PRIMARY PING

AVG WORN	PL	PI/PD	PI/PTE	PI/PTP	Y/DMAX
55	14.706	1.4704	0.21172	0.42547	0.43400
57	7.9171	0.79110	0.11106	0.27479	0.53300
59	9.9593	0.99525	0.16251	0.28630	0.63100
62	9.4993	0.94927	0.14151	0.28438	0.72900

ADDITIONAL PRESSURE RATIOS, FIRM SPLITTER L.D.

AVG WORN	PL	PI/PD	PI/PTE	PI/PTP	Y/DMAX
62	11.472	1.1464	0.16415	0.22509	0.42200
67	9.1267	0.91213	0.11626	0.23365	0.47000

ADDITIONAL PRESSURE RATIOS, FIRM SPLITTER R.D.

AVG WORN	PL	PI/PD	PI/PTE	PI/PTP	Y/DMAX
77	25.623	2.5606	0.26665	0.73683	0.50800
63	9.3844	0.93779	0.14001	0.26136	0.58300
65	10.164	1.0157	0.14544	0.26228	0.67000

ADDITIONAL PRESSURE RATIOS, FIFTH SPLITTER

AVG WORN	PL	PI/PD	PI/PTE	PI/PTP	Y/DMAX
-107	6.5034	0.65000	0.094348	0.18060	-1.0000
-112	6.6234	0.66100	0.094777	0.18046	-1.0000
-122	7.3526	0.73473	0.10521	0.21143	-1.0000
-127	8.4513	0.84457	0.12063	0.24303	-1.0000
-137	9.7154	0.97101	0.12472	0.25064	-1.0000
-142	9.8108	0.98046	0.12604	0.25337	-1.0000

ADDITIONAL PRESSURE RATIOS, FIFTH INLET

AVG WORN	PL	PI/PD	PI/PTE	PI/PTP	Y/DMAX
107	6.5034	0.65000	0.094348	0.18060	0.30800
112	6.6234	0.66100	0.094777	0.18046	0.43100
122	7.3526	0.73473	0.10521	0.21143	0.44000
127	8.4513	0.84457	0.12063	0.24303	0.48600
137	9.7159	0.97101	0.12472	0.25064	0.52200
142	9.8108	0.98046	0.12604	0.25337	0.58800
-145	10.129	1.0122	0.14054	0.26127	-1.0000
-147	10.134	1.0127	0.14501	0.26141	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLEP

AVG WORN	PL	PI/PD	PI/PTE	PI/PTP	Y/DMAX
152	10.129	1.0122	0.14054	0.26127	0.46300
157	10.134	1.0127	0.14501	0.26141	0.46500

ADDITIONAL PRESSURE RATIOS, 20 DEG SPLITTER LOCATION

AVG WORN	PL	PI/PD	PI/PTE	PI/PTP	Y/DMAX
167	10.129	1.0122	0.14054	0.26127	0.70300
172	10.134	1.0127	0.14501	0.26141	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SPLITTER LOCATION

AVG WORN	PL	PI/PD	PI/PTE	PI/PTP	Y/DMAX
182	11.741	1.1733	0.16801	0.33764	0.79300
187	10.210	1.0211	0.15337	0.30891	0.84400

MASA-HEMIS PRELIMINARY DATA 06/13/79 EADDEII REF 10/28/79 00:52:50.873 FAC RXAX1 PGM C334 PPG 1491

ADDITIONAL PRESSURE RATIOS - PRIMARY PUMP

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
37	11.404	1.1595	0.19370	0.42500	0.43400
37	6.1219	0.61173	0.10220	0.22422	0.53300
47	7.9333	0.79974	0.13026	0.28581	0.63100
47	10.711	1.0703	0.17880	0.30231	0.72900

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 1.0.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
47	0.3354	0.89986	0.15033	0.32984	0.42700
47	6.1764	0.63317	0.10578	0.23238	0.67000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	21.817	0.1800	0.36420	0.79907	0.50800
87	8.9606	0.89338	0.14955	0.33748	0.58300
22	17.152	1.0145	0.14048	0.37185	0.67000

ADDITIONAL PRESSURE RATIOS - EJECTOR SHROUD

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-137	6.5554	0.65905	0.11011	0.24158	-1.0000
-117	6.5554	0.65905	0.11011	0.24140	-1.0000
-127	7.2344	0.72880	0.12177	0.26717	-1.0000
-127	8.4368	0.84304	0.14084	0.30901	-1.0000
-137	8.4368	0.84304	0.14084	0.31723	-1.0000
-147	8.4368	0.84304	0.14084	0.32235	-1.0000

ADDITIONAL PRESSURE RATIOS - EJECTOR INLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
127	6.5554	0.65905	0.11011	0.24158	0.35800
117	6.5554	0.65905	0.11011	0.24140	0.43100
127	7.2344	0.72880	0.12177	0.26717	0.44900
127	8.4368	0.84304	0.14084	0.30901	0.48400
137	8.4368	0.84304	0.14084	0.31723	0.52200
147	8.4368	0.84304	0.14084	0.32235	0.58800
157	10.128	1.0120	0.16004	0.37094	0.69500
157	10.128	1.0120	0.16004	0.37094	0.69500

ADDITIONAL PRESSURE RATIOS - FAN NOZZLE FLAP

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
157	10.128	1.0120	0.16004	0.37094	0.46300
157	10.128	1.0120	0.16004	0.37094	0.49500

ADDITIONAL PRESSURE RATIOS - 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
147	10.128	1.0120	0.16004	0.37094	0.79300
137	10.128	1.0120	0.16004	0.37112	0.84400

ADDITIONAL PRESSURE RATIOS - 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	11.719	1.1700	0.10562	0.42500	0.79300
107	10.701	1.0693	0.17864	0.39144	0.84400

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ADDITIONAL PRESSURE RATIOS, 20 DEG STEADY STATE

AVG WFO	PI	PI/PO	PI/PTE	PI/PTP	X/OMAX
37	10.069	1.0041	0.1909	0.4254	0.43400
37	5.217	0.53073	0.10152	0.22486	0.53300
47	6.7047	0.67762	0.19262	0.28110	0.63100
63	8.1174	0.81142	0.15481	0.24510	0.72500

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WFO	PI	PI/PO	PI/PTE	PI/PTP	X/OMAX
62	7.9380	0.79167	0.14952	0.33118	0.42200
47	5.6765	0.56617	0.10448	0.23140	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WFO	PI	PI/PO	PI/PTE	PI/PTP	X/OMAX
77	10.117	1.0065	0.36440	0.80775	0.50800
62	8.7414	0.87176	0.16476	0.36935	0.58300
62	13.149	1.3141	0.11300	0.42646	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER

AVG WFO	PI	PI/PO	PI/PTE	PI/PTP	X/OMAX
-107	6.6703	0.65820	0.12501	0.27887	-1.0000
-112	6.5733	0.65599	0.12534	0.27761	-1.0000
-122	7.2939	0.72741	0.13015	0.30819	-1.0000
-127	8.4519	0.84289	0.16124	0.35712	-1.0000
-137	8.6515	0.86280	0.16504	0.36556	-1.0000
-142	8.7713	0.87475	0.16733	0.37062	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER

AVG WFO	PI	PI/PO	PI/PTE	PI/PTP	X/OMAX
137	6.6703	0.65820	0.12501	0.27887	0.29800
112	6.5733	0.65599	0.12534	0.27761	0.43100
122	7.2939	0.72741	0.13015	0.30819	0.44900
127	8.4519	0.84289	0.16124	0.35712	0.48600
137	8.6515	0.86280	0.16504	0.36556	0.52200
142	8.7713	0.87475	0.16733	0.37062	0.53800
-152	10.134	1.0104	0.19332	0.42818	-1.0000
-167	13.134	1.3104	0.19332	0.42818	-1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVG WFO	PI	PI/PO	PI/PTE	PI/PTP	X/OMAX
157	13.134	1.0104	0.19332	0.42818	0.46300
167	13.134	1.0104	0.19332	0.42818	0.46300

ADDITIONAL PRESSURE RATIOS, 20 DEG STEADY STATE

AVG WFO	PI	PI/PO	PI/PTE	PI/PTP	X/OMAX
147	13.134	1.0104	0.19332	0.42818	0.79300
157	13.134	1.0104	0.19332	0.42818	0.84400

ADDITIONAL PRESSURE RATIOS, 20 DEG STEADY STATE

AVG WFO	PI	PI/PO	PI/PTE	PI/PTP	X/OMAX
167	13.134	1.0104	0.19332	0.42818	0.79300
177	13.134	1.0104	0.19332	0.42818	0.84400

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06/18/79

PLATE 1

Abstract

1

NO.	AVG. WIND	PI	W/200	W/100	W/50	W/25	W/10	W/5
1	3.7	9.244	3.62283	0.10364	0.25476	0.35400	0.43400	0.48400
2	3.7	4.678	4.33500	0.13560	0.25095	0.33000	0.38000	0.43000
3	4.2	7.6311	6.76900	0.17600	0.32663	0.43100	0.50100	0.55100
4	4.7	7.8909	7.37640	0.18531	0.40652	0.52900	0.62900	0.72900

ADDITIONAL PRESSURE RATING, $\times$ FLOW CAPACITY I.D.	PI	Q/1000	PI/FLOW	PI/PTP	X/1000
4.6-13	3.6433	0.1553	0.3240	0.4200	
6.4-17	3.4477	0.1579	0.2907	0.4700	

UNIT	PA	PA/DT	DT/D	DT/D	X/D
15	1.537	0.266	0.0211	0.0803	0.0803
1	4855	0.2120	0.4700H	0.5830	0.5830
0.1	1.0137	0.2386	0.2333	0.6700	0.6700
10	151.67				
77	195				
77	195				
42	101				

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ADDITIONAL ADDITIONAL	PI	Q1/P10	PI/P75	PI/P90	PI/P95	PI/P99
100	6.4361	0.66930	0.12416	0.34038	0.58003	0.98003
110	6.5412	0.65484	0.12411	0.33607	0.57100	0.97100
120	6.6463	0.64038	0.12406	0.33176	0.56200	0.96200
130	6.7514	0.62592	0.12401	0.32745	0.55300	0.95300
140	6.8565	0.61146	0.12396	0.32314	0.54400	0.94400
150	6.9616	0.59700	0.12391	0.31883	0.53500	0.93500
160	7.0667	0.58254	0.12386	0.31452	0.52600	0.92600
170	7.1718	0.56808	0.12381	0.31021	0.51700	0.91700
180	7.2769	0.55362	0.12376	0.30590	0.50800	0.90800
190	7.3820	0.53916	0.12371	0.30159	0.49900	0.89900
200	7.4871	0.52470	0.12366	0.29728	0.49000	0.89000
210	7.5922	0.51024	0.12361	0.29297	0.48100	0.88100
220	7.6973	0.49578	0.12356	0.28866	0.47200	0.87200
230	7.8024	0.48132	0.12351	0.28435	0.46300	0.86300
240	7.9075	0.46686	0.12346	0.28004	0.45400	0.85400
250	8.0126	0.45240	0.12341	0.27573	0.44500	0.84500
260	8.1177	0.43794	0.12336	0.27142	0.43600	0.83600
270	8.2228	0.42348	0.12331	0.26711	0.42700	0.82700
280	8.3279	0.40902	0.12326	0.26280	0.41800	0.81800
290	8.4330	0.39456	0.12321	0.25849	0.40900	0.80900
300	8.5381	0.38010	0.12316	0.25418	0.40000	0.80000
310	8.6432	0.36564	0.12311	0.24987	0.39100	0.79100
320	8.7483	0.35118	0.12306	0.24556	0.38200	0.78200
330	8.8534	0.33672	0.12301	0.24125	0.37300	0.77300
340	8.9585	0.32226	0.12296	0.23694	0.36400	0.76400
350	9.0636	0.30780	0.12291	0.23263	0.35500	0.75500
360	9.1687	0.29334	0.12286	0.22832	0.34600	0.74600
370	9.2738	0.27888	0.12281	0.22401	0.33700	0.73700
380	9.3789	0.26442	0.12276	0.21970	0.32800	0.72800
390	9.4840	0.24996	0.12271	0.21539	0.31900	0.71900
400	9.5891	0.23550	0.12266	0.21108	0.31000	0.71000
410	9.6942	0.22104	0.12261	0.20677	0.30100	0.70100
420	9.7993	0.20658	0.12256	0.20246	0.29200	0.69200
430	9.9044	0.19212	0.12251	0.19815	0.28300	0.68300
440	10.0095	0.17766	0.12246	0.19384	0.27400	0.67400
450	10.1146	0.16320	0.12241	0.18953	0.26500	0.66500
460	10.2197	0.14874	0.12236	0.18522	0.25600	0.65600
470	10.3248	0.13428	0.12231	0.18091	0.24700	0.64700
480	10.4299	0.11982	0.12226	0.17660	0.23800	0.63800
490	10.5350	0.10536	0.12221	0.17229	0.22900	0.62900
500	10.6401	0.09090	0.12216	0.16798	0.22000	0.62000

DATE	DESCRIPTION	DEBIT	CREDIT	BALANCE
12-1-80	OPENING BALANCE		100.00	100.00
12-15-80	PAYROLL	25.00		75.00
12-20-80	RECEIVED		50.00	125.00
12-31-80	CLOSING BALANCE			125.00

[illegible]

	Cross	N ₀	DH / COT	DH / FRT	DH / DTD	F / DMFA
100		11.750	1.1964	0.2786	0.6043†	3.753(1)
100		11.711	1.2600	0.2610	0.5610‡	3.646(1)

PAGE 7

ENG 1604

PGW 0934

FAR 0001

LOC 1020/75 CO:56:17.071

SECTIONAL PRESSURE RATIOS, PRIMARY ORIF

AVG WORN	PI	PI/PO	PI/PTE	PI/PTP	X/PMAX
12	6.8333	0.68213	0.10562	0.42507	0.43603
13	6.8056	0.80816	0.25176	0.40360	0.63100
14	6.1736	0.81866	0.23102	0.50361	0.63100
15	6.3352	0.82036	0.23776	0.51463	0.72630

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVG WORN	PI	PI/PO	PI/PTE	PI/PTP	X/PMAX
12	6.3010	0.53715	0.15404	0.33673	0.42202
13	7.6316	0.76183	0.21867	0.47473	0.67030

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVG WORN	PI	PI/PO	PI/PTE	PI/PTP	X/PMAX
12	12.844	1.2821	0.26766	0.76804	0.50800
13	15.337	1.5280	0.43816	0.65217	0.58300
14	10.156	1.0138	0.29073	0.63176	0.67000

SECTIONAL PRESSURE RATIOS, EJECTOR CHAMBER

AVG WORN	PI	PI/PO	PI/PTE	PI/PTP	X/PMAX
107	6.6385	0.66868	0.10176	0.41469	-1.0000
110	6.9333	0.69415	0.10476	0.42321	-1.0000
112	7.5619	0.75488	0.21667	0.47030	-1.0030
113	8.6243	0.86791	0.26896	0.54084	-1.0000
114	8.9577	0.89281	0.26604	0.56635	-1.0000
115	9.9986	0.99828	0.26761	0.65577	-1.0030

SECTIONAL PRESSURE RATIOS, FURNACE INLET

AVG WORN	PI	PI/PO	PI/PTE	PI/PTP	X/PMAX
107	6.6385	0.66868	0.10176	0.41469	0.39800
110	6.9333	0.69415	0.10476	0.42321	0.43103
112	7.5619	0.75488	0.21667	0.47030	0.54903
113	8.6243	0.86791	0.26896	0.54084	0.68000
114	8.9577	0.89281	0.26604	0.56635	0.52200
115	9.9986	0.99828	0.26761	0.65577	0.58800
116	10.111	1.0113	0.26802	0.63020	1.0000
117	10.111	1.0113	0.26802	0.63020	1.0000

SECTIONAL PRESSURE RATIOS, FAN SCOTCH FLEP

AVG WORN	PI	PI/PO	PI/PTE	PI/PTP	X/PMAX
107	13.131	1.3113	0.25002	0.62020	0.46300
108	13.131	1.3113	0.25002	0.62020	0.46500

SECTIONAL PRESSURE RATIOS, 20 DEG SCOTCH LOCATION

AVG WORN	PI	PI/PO	PI/PTE	PI/PTP	X/PMAX
107	13.126	1.3108	0.25008	0.62086	0.55300
108	13.131	1.3113	0.25002	0.62020	0.66403

SECTIONAL PRESSURE RATIOS, 30 DEG SCOTCH LOCATION

AVG WORN	PI	PI/PO	PI/PTE	PI/PTP	X/PMAX
107	11.737	1.1696	0.23616	0.62024	0.70300
108	13.131	1.3113	0.25002	0.62020	0.84600

SUBSTITUTIONAL DEPRESSURE RATIOS, PRIMARY MISC				CAMELL			
AVG WREN	PI	M/PO	M/PTG	PI/PTG	X/PMAX		
35	13.594	1.3568	0.1055	0.42441	0.43400		
37	7.1594	0.71594	0.10104	0.22360	0.53300		
47	9.1410	0.91273	0.13015	0.26651	0.63100		
55	10.110	1.0004	0.13398	0.31574	0.72900		

SUBSTITUTIONAL DEPRESSURE RATIOS, FLOW CONTROLLED F.O.

AVG WREN	PI	M/PO	M/PTG	PI/PTG	X/PMAX		
42	10.549	1.0533	0.15024	0.25948	0.42200		
47	7.4174	0.74023	0.13664	0.23154	0.67000		

SUBSTITUTIONAL DEPRESSURE RATIOS, FLOW CONTROLLED F.O.

AVG WREN	PI	M/PO	M/PTG	PI/PTG	X/PMAX		
77	25.741	2.5703	0.76643	0.90401	0.50400		
85	9.8269	0.98173	0.13593	0.30487	1.58300		
92	10.174	1.0150	0.14650	0.31770	0.67000		

SUBSTITUTIONAL DEPRESSURE RATIOS, FLOW CONTROLLED F.O.

AVG WREN	PI	M/PO	M/PTG	PI/PTG	X/PMAX		
-157	6.8736	0.68691	0.093798	0.27350	-1.00700		
-112	6.5595	0.65606	0.093621	0.20488	-1.00700		
-122	7.2785	0.72677	0.10744	0.22734	-1.00000		
-137	9.3971	0.93765	0.11645	0.26197	-1.00700		
-137	9.6417	0.96497	0.12336	0.27054	-1.00000		
-145	9.7915	0.97793	0.12621	0.27660	-1.00000		

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SUBSTITUTIONAL DEPRESSURE RATIOS, FLOW CONTROLLED F.O.

AVG WREN	PI	M/PO	M/PTG	PI/PTG	X/PMAX		
107	6.5704	0.65606	0.093798	0.20550	0.30900		
112	6.5595	0.65606	0.093621	0.20488	0.43100		
135	7.2786	0.72677	0.10744	0.25134	0.44900		
127	9.3971	0.93765	0.11645	0.26197	0.48600		
137	9.6417	0.96497	0.12336	0.27054	0.52200		
145	9.7915	0.97793	0.12621	0.27660	0.58800		
-152	10.114	1.0110	0.14634	0.31654	-1.00000		
-157	10.114	1.0110	0.14634	0.31654	-1.00000		

SUBSTITUTIONAL DEPRESSURE RATIOS, FLOW CONTROLLED F.O.

AVG WREN	PI	M/PO	M/PTG	PI/PTG	X/PMAX		
157	10.174	1.0110	0.14634	0.31654	0.46300		
157	10.174	1.0110	0.14634	0.31654	0.46300		

SUBSTITUTIONAL DEPRESSURE RATIOS, FLOW CONTROLLED F.O.

AVG WREN	PI	M/PO	M/PTG	PI/PTG	X/PMAX		
167	10.174	1.0110	0.14634	0.31654	0.79300		
175	10.174	1.0110	0.14634	0.31654	0.84600		

SUBSTITUTIONAL DEPRESSURE RATIOS, FLOW CONTROLLED F.O.

AVG WREN	PI	M/PO	M/PTG	PI/PTG	X/PMAX		
185	11.752	1.1734	0.16737	0.34705	0.79300		
193	10.174	1.0110	0.14634	0.31654	0.84600		

Run 11

REF 10/28/74 01:33:17.403 NEW COS2 ENG 1896

REF 08461

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ADDITIONAL PRESSURE RATIOS, FLOW CORRECTION			
AVG WPO	PI	PI/PO	PI/PTP
10	12.317	1.0000	0.72304
11	14.875	1.2000	0.81027
12	10.156	0.8142	0.56850
13	12.317	1.0000	0.72304
14	14.875	1.2000	0.81027
15	10.156	0.8142	0.56850

ADDITIONAL PRESSURE RATIOS, FLOW CORRECTION			
AVG WPO	PI	PI/PO	PI/PTP
10	12.317	1.0000	0.72304
11	14.875	1.2000	0.81027
12	10.156	0.8142	0.56850
13	12.317	1.0000	0.72304
14	14.875	1.2000	0.81027
15	10.156	0.8142	0.56850

ADDITIONAL PRESSURE RATIOS, FLOW CORRECTION			
AVG WPO	PI	PI/PO	PI/PTP
10	12.317	1.0000	0.72304
11	14.875	1.2000	0.81027
12	10.156	0.8142	0.56850
13	12.317	1.0000	0.72304
14	14.875	1.2000	0.81027
15	10.156	0.8142	0.56850

ADDITIONAL PRESSURE RATIOS, FLOW CORRECTION			
AVG WPO	PI	PI/PO	PI/PTP
10	12.317	1.0000	0.72304
11	14.875	1.2000	0.81027
12	10.156	0.8142	0.56850
13	12.317	1.0000	0.72304
14	14.875	1.2000	0.81027
15	10.156	0.8142	0.56850

ADDITIONAL PRESSURE RATIOS, FLOW CORRECTION			
AVG WPO	PI	PI/PO	PI/PTP
10	12.317	1.0000	0.72304
11	14.875	1.2000	0.81027
12	10.156	0.8142	0.56850
13	12.317	1.0000	0.72304
14	14.875	1.2000	0.81027
15	10.156	0.8142	0.56850

ADDITIONAL PRESSURE RATIOS, FLOW CORRECTION			
AVG WPO	PI	PI/PO	PI/PTP
10	12.317	1.0000	0.72304
11	14.875	1.2000	0.81027
12	10.156	0.8142	0.56850
13	12.317	1.0000	0.72304
14	14.875	1.2000	0.81027
15	10.156	0.8142	0.56850

ADDITIONAL PRESSURE RATIOS, FLOW CORRECTION			
AVG WPO	PI	PI/PO	PI/PTP
10	12.317	1.0000	0.72304
11	14.875	1.2000	0.81027
12	10.156	0.8142	0.56850
13	12.317	1.0000	0.72304
14	14.875	1.2000	0.81027
15	10.156	0.8142	0.56850

ADDITIONAL PRESSURE RATIOS, FLOW CORRECTION			
AVG WPO	PI	PI/PO	PI/PTP
10	12.317	1.0000	0.72304
11	14.875	1.2000	0.81027
12	10.156	0.8142	0.56850
13	12.317	1.0000	0.72304
14	14.875	1.2000	0.81027
15	10.156	0.8142	0.56850

RAW - 1

MASS-LEADS DATE 1/14/70 CAP-111 REF 10/28/70 01:55:12.545 FAF 0304 DEC 1657

ADDITIONAL PRESSURE RATIOS, REMAINING IN:

AVG WPDN	PI	PI/PO	PI/PTE	PI/PDP	Y/DIMAX
42	6.6172	0.06354	0.21774	0.47670	0.43400
47	6.1172	0.03096	0.11431	0.22471	0.43300
47	6.5335	0.06735	0.16470	0.28656	0.43100
52	7.5925	0.18545	0.16083	0.23327	0.42900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WPDN	PI	PI/PO	PI/PTE	PI/PDP	Y/DIMAX
42	7.5402	0.75144	0.14864	0.23151	0.42200
47	6.2523	0.59281	0.11753	0.23065	0.42000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WPDN	PI	PI/PO	PI/PTE	PI/PDP	Y/DIMAX
47	16.523	1.4444	0.26906	0.22445	0.50800
49	8.6348	0.48050	0.10280	0.37018	0.58300
50	10.175	1.0128	0.22731	0.44686	0.67900

~~ADDITIONAL PRESSURE RATIOS, SECTION SURFACES~~

AVG WPDN	PI	PI/PO	PI/PTE	PI/PDP	Y/DIMAX
-107	6.6396	0.65781	0.14763	0.25021	-1.0000
-117	6.5535	0.65233	0.14660	0.24970	-1.0000
-123	7.2050	0.71708	0.16003	0.21634	-1.0000
-127	8.3547	0.83261	0.18686	0.24732	-1.0000
-137	9.6548	0.86140	0.19334	0.26706	-1.0000
-142	9.7549	0.87145	0.19557	0.26646	-1.0000

ADDITIONAL PRESSURE RATIOS, ENERGY INDEX

AVG WPDN	PI	PI/PO	PI/PTE	PI/PDP	Y/DIMAX
107	6.6396	0.65781	0.14763	0.25021	0.30800
113	6.5535	0.65233	0.14660	0.24970	0.43100
123	7.2050	0.71708	0.16003	0.21634	0.44900
127	8.3547	0.83261	0.18686	0.24732	0.48600
137	9.6548	0.86140	0.19334	0.26706	0.52200
142	9.7549	0.87145	0.19557	0.26646	0.58800
-142	10.153	1.04104	0.22475	0.44574	-1.0000
-147	10.149	1.0408	0.22436	0.44534	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLAP

AVG WPDN	PI	PI/PO	PI/PTE	PI/PDP	Y/DIMAX
152	13.153	1.0104	0.22475	0.44574	0.44300
149	13.150	1.0104	0.22475	0.44574	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SURFING LOCATION

AVG WPDN	PI	PI/PO	PI/PTE	PI/PDP	Y/DIMAX
177	10.155	1.0109	0.22475	0.44574	0.79300
172	13.155	1.0109	0.22475	0.44574	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SURFING LOCATION

AVG WPDN	PI	PI/PO	PI/PTE	PI/PDP	Y/DIMAX
162	11.756	1.1711	0.26283	0.51647	0.79300
167	10.765	1.0714	0.24566	0.47275	0.84400

[illegible]

AVN	WRO	PI	PI/PO	PI/OTE	PI/OTE	X/PMAX
65	8.4195	0.97021	0.16772	0.23116	0.22200	
67	6.1704	0.61517	0.11795	0.23116	0.67000	

APR	MOON	PI	PI/PO	PI/PTC	PI/PTD	%DOWN
77		19.236	1.9177	0.36582	0.75526	0.50800
82		9.7193	1.86039	0.16883	0.52738	0.58300
87		10.181	1.0149	0.19361	0.39226	0.67003

[illegible][illegible]

AVG. WIND	W	W / 100	W / 1000	W / 10000
10	10.156	1.0126	0.10126	0.010126
10	10.151	1.0119	0.10119	0.010119

[illegible]

DATE	TIME	IN	OUT	IN/OUT	IN/OUT	IN/OUT
11-1-68	11-1-68	1-1724	1-1724	1-1724	1-1724	1-1724
11-1-68	11-1-68	1-1724	1-1724	1-1724	1-1724	1-1724

1-114

10/24/74 0:00:17.533 EAF MAX1 000 0034 000 1690

SAXONITOMAL PRESSURE RATIOS - RELATIVE IN/IN				20/14/70		20/07/11	
AVG W/IN	PI	W/IN	PI/PTP	W/IN	PI/PTP	W/IN	PI/PTP
13.266	3.3307	0.3111	0.42550				
6.8472	0.68557	0.11444	0.22428				
9.7650	0.97247	0.16562	0.20560				
0.7758	0.07301	0.16263	0.31831				
SAXONITOMAL PRESSURE RATIOS - RELATIVE IN/IN				20/14/70		20/07/11	
AVG W/IN	PI	W/IN	PI/PTP	W/IN	PI/PTP	W/IN	PI/PTP
10.135	1.0389	0.16840	0.33034				
7.0574	0.73553	0.11703	0.22113				

SAXONITOMAL PRESSURE RATIOS - RELATIVE IN/IN				20/14/70		20/07/11	
AVG W/IN	PI	W/IN	PI/PTP	W/IN	PI/PTP	W/IN	PI/PTP
21.982	0.1982	0.36526	0.21584				
8.0501	0.8886	0.16833	0.29077				
10.197	1.0143	0.16532	0.33183				

SAXONITOMAL PRESSURE RATIOS - RELATIVE IN/IN				20/14/70		20/07/11	
AVG W/IN	PI	W/IN	PI/PTP	W/IN	PI/PTP	W/IN	PI/PTP
6.6319	0.66016	0.11020	0.21507				
7.3177	0.73842	0.12169	0.23830				
9.5537	0.96052	0.16030	0.27697				
8.7300	0.86603	0.16571	0.28360				
0.8550	0.87837	0.14663	0.28735				

SAXONITOMAL PRESSURE RATIOS - RELATIVE IN/IN				20/14/70		20/07/11	
AVG W/IN	PI	W/IN	PI/PTP	W/IN	PI/PTP	W/IN	PI/PTP
6.6319	0.66016	0.11020	0.21507				
7.3177	0.73842	0.12169	0.23830				
9.5537	0.96052	0.16030	0.27697				
8.7300	0.86603	0.16571	0.28360				
0.8550	0.87837	0.14663	0.28735				

SAXONITOMAL PRESSURE RATIOS - RELATIVE IN/IN				20/14/70		20/07/11	
AVG W/IN	PI	W/IN	PI/PTP	W/IN	PI/PTP	W/IN	PI/PTP
13.165	1.0110	0.16803	0.33132				
10.160	1.0114	0.16802	0.33086				

SAXONITOMAL PRESSURE RATIOS - RELATIVE IN/IN				20/14/70		20/07/11	
AVG W/IN	PI	W/IN	PI/PTP	W/IN	PI/PTP	W/IN	PI/PTP
13.165	1.0110	0.16803	0.33132				
10.160	1.0114	0.16802	0.33086				

DATA-LEWIS PRELIMINARY DATA 12/14/79 C100011 REC 10/28/79 01:10:50.376 FAC 98AX1 PGW 0034 POG 1701

ADDITIONAL PRESSURE RATIOS, PRIMARY INLET

AVD WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
32	15.111	1.5065	0.21516	0.42576	0.43400
47	7.9322	1.70094	0.11206	0.22353	0.53300
67	10.121	1.0001	0.14411	0.28517	0.63100
82	13.146	1.0036	0.14333	0.28262	0.72400

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
42	11.742	1.1708	0.16220	0.23087	0.42200
67	8.2333	0.91790	0.11681	0.23115	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
77	25.701	0.5625	0.26597	0.72419	0.50800
82	0.8454	0.90162	0.14010	0.27742	0.68300
92	10.101	1.0161	0.14511	0.28715	0.67000

ADDITIONAL PRESSURE RATIOS, F-JECTOR SURROUND

AVD WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
-107	6.6350	0.66162	0.094490	0.18608	-1.0300
-117	6.6239	0.66012	0.09276	0.18656	-1.0000
-127	7.3220	0.73003	0.10426	0.20631	-1.0000
-127	8.5337	0.84785	0.12109	0.23961	-1.0300
-137	8.7540	0.87281	0.12465	0.24666	-1.0300
-147	8.9542	0.89279	0.12608	0.24949	-1.0300

ADDITIONAL PRESSURE RATIOS, ENGINE INLET

AVD WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
107	6.6359	0.66162	0.094403	0.18608	0.39800
117	6.6239	0.66012	0.094276	0.18656	0.43100
127	7.3220	0.73003	0.10426	0.20631	0.46000
127	8.5337	0.84785	0.12109	0.23961	0.48600
137	8.7540	0.87281	0.12465	0.24666	0.52200
147	8.9542	0.89279	0.12608	0.24949	0.58800
-157	10.161	1.0131	0.14468	0.28630	-1.0000
-167	10.161	1.0131	0.14468	0.28630	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
157	10.161	1.0131	0.14468	0.28630	0.46300
167	10.161	1.0131	0.14468	0.28630	0.40500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHEARD LOCATION

AVD WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
167	10.161	1.0131	0.14468	0.28630	0.79300
177	10.156	1.0126	0.14461	0.28616	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHEARD LOCATION

AVD WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
187	11.777	1.1742	0.16270	0.23185	0.75300
197	13.746	1.0714	0.15307	0.20280	0.84400

RUN 21

MASS-ECHIS PRELIMINARY DATA 06/14/70 EADDEII SEC 10/28/70 01:13:33.686 FAC PXAXI PCM C034 PDG 1732

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
37	13.343	1.2999	0.21494	0.42516	0.42400
47	6.8730	0.68538	0.11433	0.22407	0.53200
47	8.7541	0.97248	0.14561	0.28536	0.63100
52	9.7090	0.96765	0.16149	0.31649	0.72500

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
47	10.124	1.0000	0.16839	0.33001	0.42200
47	7.0839	0.70602	0.11783	0.23092	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
37	21.861	2.1788	0.56362	0.71262	0.50800
47	8.9241	0.88943	0.14843	0.29090	0.58300
52	10.184	1.0150	0.16030	0.33197	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
-137	6.6198	0.65966	0.11009	0.21576	-1.0000
-112	6.6338	0.65817	0.10994	0.21527	-1.0000
-127	7.3590	0.73343	0.12240	0.23988	-1.0000
-127	8.5541	0.85155	0.14211	0.27852	-1.0000
-137	8.7501	0.87506	0.14636	0.28683	-1.0000
-147	8.8701	0.87905	0.14685	0.28781	-1.0000

ADDITIONAL PRESSURE RATIOS, CORPUS INLET

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	6.6198	0.65966	0.11009	0.21576	0.39800
112	6.6338	0.65817	0.10994	0.21527	0.43100
127	7.3590	0.73343	0.12240	0.23988	0.44900
127	8.5541	0.85155	0.14211	0.27852	0.48600
137	8.7501	0.87506	0.14636	0.28683	0.52200
147	8.8701	0.87905	0.14685	0.28781	0.58800
-152	10.164	1.0130	0.16006	0.33132	-1.0000
-167	10.164	1.0130	0.16006	0.33132	-1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
167	10.164	1.0130	0.16006	0.33132	0.46300
167	10.164	1.0130	0.16006	0.33132	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
167	10.164	1.0130	0.16006	0.33132	0.79300
177	10.164	1.0135	0.16014	0.33148	0.94400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
187	11.753	1.1719	0.16559	0.39339	0.79700
187	10.730	1.1733	0.17863	0.25006	0.94400

WATER-11015 NO. 11 INBY DATE 06/14/73 TANK 11 REC 10/28/75 00110117.701 FAS PRVAT PGM 0034 000 1703

ADDITIONAL PRESSURE RATIOS - PRIMARY PUMP

AVG WORD	PI	PI / PD	PI / RTE	PI / RTP	X / DMAX
77	11.395	1.1352	0.11646	0.42577	0.43400
77	4.9343	0.50865	0.11414	0.22427	0.53300
47	7.4337	0.74371	0.14595	0.28501	0.83100
47	7.5751	0.75573	0.14431	0.28244	0.72500

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 1.0.

AVG WORD	PI	PI / PD	PI / RTE	PI / RTP	X / DMAX
47	3.9358	0.89091	0.14797	0.23095	0.42200
47	6.1771	0.81605	0.11747	0.23081	0.67000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0.

AVG WORD	PI	PI / PD	PI / RTE	PI / RTP	X / DMAX
77	19.160	1.9137	0.36480	0.71680	0.50800
47	8.7337	0.87345	0.16540	0.23500	0.58300
47	10.101	1.0150	0.19374	0.38048	0.87000

ADDITIONAL PRESSURE RATIOS - FIREFIGHT SUPPLY

AVG WORD	PI	PI / PD	PI / RTE	PI / RTP	X / DMAX
-157	6.6745	0.66045	0.12593	0.24745	-1.0000
-117	6.5945	0.65646	0.12517	0.24545	-1.0000
-127	7.3000	0.72779	0.13877	0.27268	-1.0000
-127	8.4406	0.84151	0.16046	0.31528	-1.0000
-137	9.6837	0.86545	0.16507	0.32425	-1.0000
-147	9.7458	0.87303	0.16764	0.32743	-1.0000

ADDITIONAL PRESSURE RATIOS - FIREFIGHT INLET

AVG WORD	PI	PI / PD	PI / RTE	PI / RTP	X / DMAX
107	6.5945	0.66045	0.12593	0.24745	0.39800
117	6.5945	0.65646	0.12517	0.24545	0.43100
127	7.3135	0.72779	0.13877	0.27268	0.44500
127	8.4436	0.84151	0.16046	0.31528	0.48600
137	9.6837	0.86545	0.16507	0.32425	0.52200
147	9.7458	0.87303	0.16764	0.32743	0.58800
-152	10.161	1.0131	0.19377	0.37955	-1.0000
-147	10.161	1.0131	0.19377	0.37955	-1.0000

ADDITIONAL PRESSURE RATIOS - FAN NOZZLE FLAP

AVG WORD	PI	PI / PD	PI / RTE	PI / RTP	X / DMAX
157	13.161	1.0131	0.19377	0.37955	0.46300
157	13.161	1.0131	0.19377	0.37955	0.49500

ADDITIONAL PRESSURE RATIOS - 20 DEG TURNED LOCATION

AVG WORD	PI	PI / PD	PI / RTE	PI / RTP	X / DMAX
147	10.161	1.0131	0.19377	0.37955	0.75300
177	10.154	1.0124	0.19307	0.37937	0.84400

ADDITIONAL PRESSURE RATIOS - 90 DEG TURNED LOCATION

AVG WORD	PI	PI / PD	PI / RTE	PI / RTP	X / DMAX
187	11.746	1.1731	0.22468	0.43052	0.76300
187	12.746	1.0724	0.20648	0.40178	0.84400

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NACA-LEWIS PRELIMINARY DATA 06/16/79

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005 1774

ADDITIONAL PRESSURE RATIOS, PRIMARY NOISE

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
77	0.6900	0.96533	0.71425	0.47480	0.47400
87	5.1285	0.51000	0.11797	0.27400	0.53300
97	6.5359	0.64417	0.14457	0.28527	0.63100
67	7.5474	0.75196	0.16766	0.33094	0.72600

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
77	7.5524	0.75236	0.14777	0.23116	0.42200
87	5.7638	0.52437	0.11693	0.23081	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
77	16.540	1.6477	0.76741	0.72524	1.50800
87	8.6378	0.86300	0.19179	0.37857	1.58300
97	10.196	1.0147	0.22626	0.44661	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SUPPLEMENT

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
-107	6.6010	0.65758	0.14663	0.28944	-1.0000
-117	6.5559	0.65339	0.14563	0.28746	-1.0000
-127	7.2520	0.72243	0.16100	0.31799	-1.0000
-137	8.4336	0.84014	0.18734	0.36970	-1.0000
-147	9.7139	0.96807	0.19557	0.38206	-1.0000
-157	8.7940	0.87605	0.19535	0.38560	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
107	6.6010	0.65758	0.14663	0.28944	0.39800
117	6.5559	0.65339	0.14563	0.28746	0.43100
127	7.2520	0.72243	0.16100	0.31799	0.44900
137	8.4336	0.84014	0.18734	0.36970	0.48600
147	9.7139	0.96807	0.19557	0.38206	0.52200
157	8.7940	0.87605	0.19535	0.38560	0.58800
-107	10.166	1.0127	0.22581	0.44574	-1.0000
-117	10.166	1.0127	0.22581	0.44574	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
167	10.166	1.0127	0.22581	0.44574	0.46300
177	10.166	1.0127	0.22581	0.44574	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
177	10.166	1.0127	0.22581	0.44574	0.75200
187	10.171	1.0132	0.22563	0.44556	1.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
187	11.777	1.1737	0.26161	0.51640	0.75200
197	10.766	1.0735	0.23516	0.47207	1.84400

DATA-ETHIO REFERENCE DATA 7/14/79 CADD011 VEC 10/24/79 01-18:54.159 FAC 00001 PCW 0074 POC 1705

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
32	7.6471	0.76272	0.76272	0.42510	0.43400
37	7.9323	0.79116	0.79116	0.46064	0.53700
47	8.0324	0.80114	0.79866	0.44652	0.63100
42	8.0373	0.79866	0.79709	0.44613	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
42	8.0060	0.59902	0.17100	0.33307	0.42200
47	8.4775	0.64555	0.76126	0.47127	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	12.893	1.2860	0.36708	0.71672	0.50800
82	14.633	1.4605	0.41661	0.81344	0.58300
82	10.183	1.0157	0.28992	0.56608	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTION SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-107	6.6765	0.66591	0.10000	0.37115	-1.0000
-112	6.7165	0.66990	0.10123	0.37337	-1.0000
-122	7.4470	0.74276	0.21207	0.41308	-1.0000
-127	8.6526	0.86301	0.24635	0.48100	-1.0000
-137	9.4977	0.89845	0.25781	0.49518	-1.0000
-142	9.9677	0.89444	0.25572	0.49852	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTION INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
107	6.6765	0.66591	0.10000	0.37115	0.39800
112	6.7165	0.66990	0.10123	0.37337	0.43100
122	7.4470	0.74276	0.21207	0.41308	0.44900
127	8.6526	0.86301	0.24635	0.48100	0.48600
137	9.4977	0.89845	0.25781	0.49518	0.52200
142	9.9677	0.89444	0.25572	0.49852	0.58900
-142	10.159	1.0132	0.28992	0.56608	-1.0000
-137	10.159	1.0132	0.28992	0.56608	-1.0000

ADDITIONAL PRESSURE RATIOS , EAF NO/ZIF FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
152	10.159	1.0132	0.28992	0.56608	0.46300
157	10.159	1.0132	0.28992	0.56608	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
167	10.153	1.0127	0.28992	0.56441	0.79300
172	10.153	1.0137	0.28992	0.56447	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
182	11.738	1.1730	0.33423	0.65253	0.79300
187	10.718	1.0690	0.28510	0.59580	0.84400

ADDITIONAL DEFSOURCE RATIOS, 20 DEG. SOURCE LOCATION

AVG WFOV	PI	DI/DO	DI/DT	DI/PT	Y/DMAX
33	15.171	1.5024	0.2165	0.4252	3.4340
37	7.9428	0.7533	0.1136	0.2248	3.5370
47	10.174	1.0374	0.1441	0.2611	3.6310
57	10.374	1.0314	0.1433	0.2432	3.7250

ADDITIONAL DEFSOURCE RATIOS, 40 DEG. SOURCE LOCATION

AVG WFOV	PI	DI/DO	DI/DT	DI/PT	Y/DMAX
33	11.753	1.1691	0.1474	0.3300	3.4220
37	8.1089	0.8157	0.1144	0.2367	3.6700

ADDITIONAL DEFSOURCE RATIOS, 60 DEG. SOURCE LOCATION

AVG WFOV	PI	DI/DO	DI/DT	DI/PT	Y/DMAX
33	26.461	2.5532	0.2452	0.7224	3.5080
37	9.8545	0.6800	0.1402	0.2741	3.5830
47	10.109	1.0148	0.1451	0.2872	3.6700

ADDITIONAL DEFSOURCE RATIOS, 80 DEG. SOURCE LOCATION

AVG WFOV	PI	DI/DO	DI/DT	DI/PT	Y/DMAX
33	6.6116	0.6628	0.0941	0.1870	3.4400
37	6.6116	0.6614	0.0941	0.1870	3.4310
47	7.3523	0.7314	0.1045	0.2073	3.4430
57	8.5333	0.8533	0.1213	0.2344	3.4840
67	9.8545	0.9854	0.1402	0.2741	3.5830
77	10.109	1.0109	0.1451	0.2872	3.6700

ADDITIONAL DEFSOURCE RATIOS, 100 DEG. SOURCE LOCATION

AVG WFOV	PI	DI/DO	DI/DT	DI/PT	Y/DMAX
33	10.174	1.0374	0.1441	0.2611	3.6310
37	10.174	1.0374	0.1441	0.2611	3.6310
47	10.174	1.0374	0.1441	0.2611	3.6310
57	10.174	1.0374	0.1441	0.2611	3.6310
67	10.174	1.0374	0.1441	0.2611	3.6310
77	10.174	1.0374	0.1441	0.2611	3.6310

ADDITIONAL DEFSOURCE RATIOS, 120 DEG. SOURCE LOCATION

AVG WFOV	PI	DI/DO	DI/DT	DI/PT	Y/DMAX
33	10.174	1.0374	0.1441	0.2611	3.6310
37	10.174	1.0374	0.1441	0.2611	3.6310
47	10.174	1.0374	0.1441	0.2611	3.6310
57	10.174	1.0374	0.1441	0.2611	3.6310
67	10.174	1.0374	0.1441	0.2611	3.6310
77	10.174	1.0374	0.1441	0.2611	3.6310

ADDITIONAL DEFSOURCE RATIOS, 140 DEG. SOURCE LOCATION

AVG WFOV	PI	DI/DO	DI/DT	DI/PT	Y/DMAX
33	10.174	1.0374	0.1441	0.2611	3.6310
37	10.174	1.0374	0.1441	0.2611	3.6310
47	10.174	1.0374	0.1441	0.2611	3.6310
57	10.174	1.0374	0.1441	0.2611	3.6310
67	10.174	1.0374	0.1441	0.2611	3.6310
77	10.174	1.0374	0.1441	0.2611	3.6310

ADDITIONAL DEFSOURCE RATIOS, 160 DEG. SOURCE LOCATION

AVG WFOV	PI	DI/DO	DI/DT	DI/PT	Y/DMAX
33	10.174	1.0374	0.1441	0.2611	3.6310
37	10.174	1.0374	0.1441	0.2611	3.6310
47	10.174	1.0374	0.1441	0.2611	3.6310
57	10.174	1.0374	0.1441	0.2611	3.6310
67	10.174	1.0374	0.1441	0.2611	3.6310
77	10.174	1.0374	0.1441	0.2611	3.6310

Case 1

HEADFLOW PRELIMINARY DATA 0.73470 CADRETT REC 10/28/70 011:27:49.788 EAC RKXK1 PGM 0374 PPG 1707

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WOPD	PI	PI/ZPO	PI/ZPTF	PI/ZPTP	X/DMAX
32	0.2032	0.82566	0.23807	0.42874	0.43400
37	0.4771	0.43877	0.17848	0.22851	0.53307
47	7.7332	0.76901	0.20164	0.25456	0.63100
52	7.9333	0.77907	0.20451	0.40738	0.73500

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WOPD	PI	PI/ZPO	PI/ZPTF	PI/ZPTP	X/DMAX
42	6.4933	0.66644	0.18674	0.23372	0.42200
47	4.5372	0.44877	0.13025	0.23185	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WOPD	PI	PI/ZPO	PI/ZPTF	PI/ZPTP	X/DMAX
77	12.812	1.2755	0.26767	0.45847	0.50800
82	15.765	1.5685	0.45213	0.80672	0.58300
82	10.183	1.0138	0.20223	0.42338	0.67000

~~ADDITIONAL PRESSURE RATIOS, FOREBODY INLET~~

AVG WOPD	PI	PI/ZPO	PI/ZPTF	PI/ZPTP	X/DMAX
-109	6.7531	0.66934	0.10206	0.24554	-1.0000
-112	6.8781	0.67090	0.10596	0.25094	-1.0000
-122	7.5882	0.75867	0.21277	0.20000	-1.0000
-127	8.7282	0.86807	0.25349	0.44850	-1.0000
-137	8.7582	0.86186	0.25708	0.46061	-1.0000
-142	0.3381	0.80903	0.25938	0.46652	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVG WOPD	PI	PI/ZPO	PI/ZPTF	PI/ZPTP	X/DMAX
107	6.7531	0.66934	0.10206	0.24554	0.30800
112	6.8781	0.67090	0.10596	0.25094	0.43100
122	7.5882	0.75867	0.21277	0.20000	0.44900
127	8.7282	0.86807	0.25349	0.44850	0.48600
137	8.7582	0.86186	0.25708	0.46061	0.52200
142	0.3381	0.80903	0.25938	0.46652	0.58800
-142	10.158	1.0113	0.20151	0.52207	-1.0000
-147	10.158	1.0113	0.20151	0.52207	-1.0000

ADDITIONAL PRESSURE RATIOS, TAN NOZZLE FLAP

AVG WOPD	PI	PI/ZPO	PI/ZPTF	PI/ZPTP	X/DMAX
152	10.158	1.0113	0.20151	0.52207	0.46300
147	10.158	1.0113	0.20151	0.52207	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WOPD	PI	PI/ZPO	PI/ZPTF	PI/ZPTP	X/DMAX
147	10.158	1.0113	0.20151	0.52207	0.79300
152	10.158	1.0113	0.20151	0.52207	0.84600

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVG WOPD	PI	PI/ZPO	PI/ZPTF	PI/ZPTP	X/DMAX
107	11.722	1.1680	0.23670	0.60250	0.79300
122	10.728	1.0600	0.20015	0.55107	0.84600

RVM 1

DATA SHEET PRELIMINARY DATA 06/14/79 EXPDITE REF 10/28/79 01:25:36.245 SAC BRAXI RSM C934 PPG 1730

ADDITIONAL PRESSURE RATIOS , PRIMARY NOISE

AVG WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
37	13.532	1.0598	1.22585	0.42542	0.43400
37	5.6145	0.55687	0.12455	0.22476	0.53300
47	7.1392	1.71047	0.15015	0.20540	0.63100
69	7.0552	0.73418	0.15470	0.20280	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
67	8.2487	1.82225	0.18798	0.33921	0.42200
67	5.7695	0.57512	0.12708	0.23097	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
77	16.461	1.6408	0.26514	0.25895	0.50800
83	8.5486	1.85413	0.19037	0.24302	0.58300
89	10.192	1.3150	0.22488	0.40742	0.67000

ADDITIONAL PRESSURE RATIOS , EXISTING SHROUD

AVG WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
-107	6.5294	1.25774	0.14630	0.26419	-1.0000
-112	6.5394	0.25184	0.14506	0.26178	-1.0000
-127	7.1792	0.21564	0.15525	0.29740	-1.0000
-127	8.4332	0.87760	0.18462	0.23642	-1.0000
-137	8.6685	0.86413	0.10220	0.24702	-1.0000
-147	8.7335	0.97057	0.10273	0.24062	-1.0000

ADDITIONAL PRESSURE RATIOS , EXISTING INLET

AVG WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
107	6.5294	1.25774	0.14630	0.26419	0.39800
112	6.5394	0.25184	0.14506	0.26178	0.43100
127	7.1792	0.21564	0.15525	0.29740	0.44000
127	8.4332	0.87760	0.18462	0.23642	0.48600
137	8.6685	0.86413	0.10220	0.24702	0.52200
147	8.7335	0.97057	0.10273	0.24062	0.58800
152	10.152	1.0120	0.22521	0.40662	0.69900
157	10.152	1.0120	0.22521	0.40662	0.69900

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVG WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
157	10.152	1.0120	0.22521	0.40662	0.46300
157	10.152	1.0120	0.22521	0.40662	0.49500

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVG WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
167	10.152	1.0120	0.22521	0.40662	0.75300
177	10.152	1.0120	0.22521	0.40662	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVG WORD	PI	PI / PO	PI / PTE	PI / PTP	X / DMAX
187	11.746	1.1720	0.26178	0.42102	0.79300
197	10.740	1.0730	0.23097	0.43910	0.84400

AYO WPC	PI	M/PC	PI/PC	PI/PI	Y/PC
77	10.148	1.5091	0.36394	0.6730	0.50400
85	8.647	0.84330	0.1646	0.70724	0.58305
89	10.104	1.1153	0.1153	0.84554	0.67000

[illegible]

WATERWAYS PROJECT DATA 04/14/75 CROOKET OFF 10/28/75 01:31:31.764 EAC RYAVI PCM 0394 WDC 1710

ADDITIONAL PRESSURE RATIOS, PRIMARY BEING

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
00	14.190	1.4147	0.17537	0.40454	1.43400
01	7.4775	0.74474	0.17537	0.22256	0.53300
02	0.5140	0.04784	0.17537	0.28457	0.63100
03	0.4349	0.04687	0.17537	0.28367	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
00	11.711	1.0767	0.19253	0.22525	0.42200
01	7.7374	0.76764	0.12777	0.23047	1.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER R.O.

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
00	21.920	2.1832	0.76338	0.65544	1.50900
01	9.0131	0.99767	0.14774	0.26640	0.58300
02	10.192	1.0151	0.16895	0.20475	1.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
00	6.6325	0.65959	0.10078	0.19802	-1.0000
01	6.6375	0.65977	0.10078	0.19758	-1.0000
02	7.3325	0.72731	0.19405	0.21836	-1.0000
03	8.4573	0.84232	0.16023	0.25286	-1.0000
04	8.7573	0.87210	0.14517	0.26185	-1.0000
05	8.4173	0.83817	0.14616	0.26365	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTOR INLET

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
00	6.6325	0.65959	0.10078	0.19802	0.19800
01	6.6375	0.65977	0.10078	0.19758	0.43100
02	7.3325	0.72731	0.19405	0.21836	0.44000
03	8.4573	0.84232	0.16023	0.25286	0.48600
04	8.7573	0.87210	0.14517	0.26185	0.52200
05	8.4173	0.83817	0.14616	0.26365	0.58800
06	10.157	1.0116	0.16037	0.20370	-1.0000
07	10.167	1.0121	0.16045	0.20385	-1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
00	13.157	1.0116	0.16037	0.20370	0.47300
01	13.167	1.0121	0.16045	0.20385	0.44500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
00	13.167	1.0121	0.16037	0.20370	1.70300
01	13.157	1.0116	0.16037	0.20370	1.64400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTE	PI/PTP	X/DMAX
00	11.741	1.1713	0.16468	0.35167	1.79300
01	13.741	1.3400	0.17034	0.32119	0.84400

1111

DATE 11/22/78 03:25:06,064

EXP 0000

0.67000

0.3310

0.1700

0.0000

0.0000

0.0000

AVG WREN PI 16.531 1.451 0.33578 0.22541 0.43600

57 9.6793 0.46378 0.17376 0.22541 0.43600

67 11.067 1.11316 0.14785 0.22541 0.43600

52 13.309 1.0046 0.14785 0.22541 0.43600

AVG WREN PI 12.860 1.7900 0.18330 0.3310 0.42200

67 9.949 0.8057 0.12700 0.23007 0.67000

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

AVG WREN PI 35.639 2.5686 0.26517 0.65950 3.50800

87 9.3487 0.98036 0.16643 0.26517 3.50800

52 10.149 1.0139 0.16643 0.26517 3.50800

Year	Urban	Suburban	Urban	Suburban	Urban	Suburban	Urban	Suburban
1970	1.073	1.2614	0.1073	0.1073	0.1073	0.1073	0.1073	0.1073
1971	1.075	1.2630	0.1075	0.1075	0.1075	0.1075	0.1075	0.1075

	AVG WIND	CL	PH/PH	PH/PH	PH/PH	PH/PH
77	35.609	0.5493	0.3624	0.6507	3.53803	
78	0.811	0.0006	0.1403	0.26374	0.58203	
79	19.105	1.0153	0.1643	0.74263	0.67000	

Year	Value	Unit	Value	Unit	Value	Unit	Value	Unit
1977	6.6498	kg	6.6498	kg	0.005135	kg	0.1717	kg
1978	6.4493	kg	6.4493	kg	0.005301	kg	0.1727	kg
1979	7.3191	kg	7.3191	kg	0.10553	kg	0.1000	kg
1980	8.5702	kg	8.5702	kg	0.1727	kg	0.27014	kg
1981	8.7953	kg	8.7953	kg	0.15664	kg	0.0000	kg
1982	8.9154	kg	8.9154	kg	0.17658	kg	0.22561	kg

[illegible]

VO. GRON	el	el / po	pl / ov	el / po	pl / ov
1 st	17.141	1.0116	0.1665	0.26173	3.46300
1 st	13.141	1.0116	0.1665	0.26173	3.46300

[illegible]

[illegible]

[illegible]

	avg. depth	m / m	m / ft	m / cm	y / day
a	9.613	0.95784	0.10769	0.33217	0.42700
b	4.340	3.67361	0.12789	0.23749	0.67000

RAYON	PI	M / P1	M / P2	PI / P2	X / P1 MAX
77	19.137	1.9747	0.74370	0.64054	0.50800
67	9.5657	3.86371	7.17455	0.75019	0.53800
57	5.1087	1.0141	3.10343	0.35160	0.67000

[illegible][illegible]

SOLUTION PRECISION RATIOS, σ FOR DIFFERENT FLAP					
FLAP	NO. TESTS	PL	PM/PO	PM/PTP	PM/PTP
1st	10,127	1.011	0.1006	0.1006	0.4600
2nd	10,127	1.011	0.1006	0.1006	0.4600

AVC, RUB	PI	PI/AVC	PI/PS	PI/PS*	K/AVM
1.8	13.157	1.0111	0.25065	0.70100	0.70100
1.7	13.172	1.0126	0.25078	0.70100	0.70100

Source	Year	Id	Out/In	In/Out	Out/Id	In/Id
100	1990	11,177	3,179	3,554	0.4060	3,70300
100	1991	13,283	3,132	0,7366	0.7132	3,94600

EXPERIMENTAL PROCEDURE, PART I: PRIMARY BHC

ADDITIONAL PRESSURE RATIOS, FLOW 5 LITER I.O.ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.~~ADDITIONAL PRESSURE DATING - EFFECT ON CHRFH~~ADDITIONAL PRESSURE PATTERNS - ENERGY INDEXADDITIONAL DISCUSSION PAGES, CAP NO2710 FIAPADDITIONAL ADDRESS PATIOS , 20 DEC SHOULD LOCATEADDITIONAL PROSECUTORS, AS PER CURRENT LOCATION

ΔV ₀ / 1000	01	02 / 03	04 / 05	06 / 07	08 / 09	Σ / 00 ΔΣ
100	11.766	1.1714	1.17170	0.46793	1.79300	
100	17.741	1.1731	1.17376	1.42783	1.94400	

NASA-Lewis PRELIMINARY DATA 06/14/79

CADRE-1

REC 10/28/79 01:36:11.019

FAC RXAX1

PGM C034

PG 1716

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
33	8.3334	0.82606	0.23667	0.42440	0.43400
37	4.4337	0.43850	0.12553	0.22512	0.53300
47	7.7236	0.76922	0.27014	0.30484	0.63100
53	7.9436	0.78116	0.25754	0.40097	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	6.5092	0.64824	0.18552	0.33274	0.42200
77	4.5287	0.45103	0.12508	0.23152	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.865	1.2913	0.36669	0.65740	0.50800
82	15.512	1.5440	0.44214	0.79301	0.58300
97	10.177	1.0136	0.29008	0.52028	0.67000

~~ADDITIONAL PRESSURE RATIOS, EXHAUST SHROUD~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	6.2348	0.67015	0.18170	0.34300	-1.0000
-112	6.9488	0.68200	0.19421	0.35012	-1.0000
-122	7.5637	0.75320	0.21559	0.38667	-1.0000
-127	8.7230	0.86977	0.24803	0.44594	-1.0000
-137	8.9731	0.89366	0.25575	0.45872	-1.0000
-142	9.7481	0.90112	0.25789	0.46755	-1.0000

ADDITIONAL PRESSURE RATIOS, EXHAUST INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	6.7303	0.67015	0.18170	0.34300	0.39900
112	6.9488	0.68200	0.19421	0.35012	0.43100
122	7.5637	0.75320	0.21559	0.38667	0.44900
127	8.7230	0.86977	0.24803	0.44594	0.48600
137	8.9731	0.89366	0.25575	0.45872	0.52200
142	9.7481	0.90112	0.25789	0.46755	0.58800
147	10.177	1.0136	0.29008	0.52028	0.67000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	10.157	1.0116	0.28651	0.51926	0.46700
167	10.157	1.0116	0.28651	0.51926	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	10.152	1.0111	0.28637	0.51901	0.75300
177	10.152	1.0111	0.28637	0.51901	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	11.726	1.1678	0.33623	0.56646	0.70300
197	10.717	1.0668	0.29523	0.54761	0.84400

Rev 27

NASA-Lewis Preliminary Data 02/14/79 C100F11 FFC 10/28/79 0136121.019 FAN NAME PGP C534 POC 1716

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVG WORD	PL	P1/P0	P1/PTE	P1/PTP	X/DMAX
32	8.3936	0.82686	0.23667	0.47448	0.43409
37	4.4737	0.43858	0.12557	0.22512	0.53300
47	7.7236	0.76922	0.27914	0.39484	0.63100
52	7.9436	0.78114	0.22154	0.40097	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPI ITTER L.O.

AVG WORD	PL	P1/P0	P1/PTE	P1/PTP	X/DMAX
62	6.5989	0.66824	0.18557	0.32274	0.42290
77	4.5287	0.45103	0.12508	0.23152	0.67080

ADDITIONAL PRESSURE RATIOS, FLOW SPI ITTER C.O.

AVG WORD	PL	P1/P0	P1/PTE	P1/PTP	X/DMAX
77	12.865	1.2813	0.36669	0.65749	0.50880
82	15.512	1.5440	0.44714	0.79301	0.58700
92	10.177	1.0136	0.29088	0.52028	0.67880

ADDITIONAL PRESSURE RATIOS, FAN SPI ITTER

AVG WORD	PL	P1/P0	P1/PTE	P1/PTP	X/DMAX
-107	6.7384	0.67015	0.18170	0.34399	-1.0000
-112	6.8488	0.68280	0.19521	0.35012	-1.0000
-122	7.5637	0.75320	0.21554	0.38667	-1.0000
-127	8.7228	0.86877	0.24863	0.44594	-1.0000
-127	8.9731	0.89366	0.25575	0.46872	-1.0000
-142	9.0481	0.90112	0.25789	0.46255	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN SPI ITTER

AVG WORD	PL	P1/P0	P1/PTE	P1/PTP	X/DMAX
107	6.7384	0.67015	0.18170	0.34399	0.39900
112	6.8488	0.68280	0.19521	0.35012	0.43180
122	7.5637	0.75320	0.21554	0.38667	0.44900
127	8.7228	0.86877	0.24863	0.44594	0.48600
127	8.9731	0.89366	0.25575	0.46872	0.52700
142	9.0481	0.90112	0.25789	0.46255	0.58800
142	9.0481	0.90112	0.25789	0.46255	0.58800
142	9.0481	0.90112	0.25789	0.46255	0.58800

ADDITIONAL PRESSURE RATIOS, FAN SPI ITTER

AVG WORD	PL	P1/P0	P1/PTE	P1/PTP	X/DMAX
152	10.157	1.0116	0.28551	0.51926	0.46200
157	10.157	1.0116	0.28551	0.51926	0.46500

ADDITIONAL PRESSURE RATIOS, 20 DEG SIMPSON LOCATION

AVG WORD	PL	P1/P0	P1/PTE	P1/PTP	X/DMAX
147	10.152	1.0111	0.28537	0.51501	0.78380
157	10.152	1.0111	0.28537	0.51501	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SIMPSON LOCATION

AVG WORD	PL	P1/P0	P1/PTE	P1/PTP	X/DMAX
147	11.724	1.1678	0.33623	0.59044	0.70300
157	10.177	1.0668	0.29523	0.54741	0.84400

Run 2

NACA-LEWIS PRELIMINARY DATA 04/14/79 (300011) PER 10/28/79 01:37:55.779 FAC PHASE PCP 0934 DPG 1717

>ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVN MORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
37	10.618	1.0581	0.23515	0.42474	3.43400
37	9.4059	0.95844	0.17414	0.27425	0.53300
47	7.1753	0.71006	0.15781	0.28503	0.63100
52	7.7553	0.75330	0.15825	0.28774	3.72900

>ADDITIONAL PRESSURE RATIOS, FLOW SPILLER I.D.

AVN MORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
52	8.2596	0.82310	0.18293	0.33041	3.42200
67	5.7658	0.57459	0.12770	0.23065	3.67000

>ADDITIONAL PRESSURE RATIOS, FLOW SPILLER O.D.

AVN MORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	16.450	1.6393	0.26433	0.45905	3.50800
82	8.5744	0.85447	0.18090	0.34300	0.58300
92	10.178	1.0163	0.22562	0.40716	0.57000

>ADDITIONAL PRESSURE RATIOS, CAPTED SHROUD

AVN MORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	6.5855	0.65727	0.14583	0.26384	-1.0000
-112	6.5406	0.65179	0.14486	0.26164	-1.0000
-127	7.1953	0.71733	0.16034	0.28783	-1.3000
-127	8.3506	0.83306	0.18514	0.33441	-1.0000
-137	8.6194	0.85985	0.19090	0.34489	-1.0000
-147	8.7293	0.86901	0.19333	0.34970	-1.0000

>ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVN MORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	6.5855	0.65727	0.14637	0.26384	0.39800
112	6.5406	0.65179	0.14486	0.26164	3.43100
127	7.1953	0.71733	0.16034	0.28783	0.44800
127	8.3506	0.83306	0.18514	0.33441	0.48600
137	8.6194	0.85985	0.19090	0.34489	3.52200
147	8.7293	0.86901	0.19333	0.34970	0.58800
-152	10.148	1.0113	0.22476	0.40504	-1.0000
-157	10.148	1.0113	0.22476	0.40504	-1.3000

>ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVN MORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
152	10.148	1.0113	0.22476	0.40504	0.46300
157	10.148	1.0113	0.22476	0.40504	0.49500

>ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVN MORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	10.153	1.0114	0.22487	0.40614	0.75300
172	10.153	1.0118	0.22487	0.40816	3.84400

>ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVN MORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	11.761	1.1721	0.26043	0.47040	0.79300
187	10.753	1.0715	0.23814	0.43013	3.84400

NASA-Lewis PRELIMINARY DATA 26/14/79 CANNON REF 12/28/79 02:27:27.471 FOR REXI PCM CASE Run 30 WPC 1718

ADDITIONAL PRESSURE RATIOS, PRIMARY INLE

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
32	6.9332	0.68484	0.19522	0.47615	0.43400
27	8.5317	0.85707	0.24286	0.52772	0.53300
47	8.5916	0.86108	0.24543	0.53330	0.63100
52	8.9063	0.87242	0.24462	0.55287	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
12	5.3842	0.53961	0.15280	0.33420	0.42200
47	7.8374	0.78540	0.22589	0.48448	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	12.876	1.2865	0.36669	0.79676	0.58800
47	16.775	1.6762	0.47777	1.0381	0.58380
92	10.115	1.0138	0.28895	0.62785	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-157	6.6933	0.66933	0.19092	0.41484	-1.0000
-112	6.6283	0.66283	0.18935	0.41143	-1.0000
-122	7.1878	0.71878	0.20537	0.44616	-1.0000
-127	8.6218	0.86218	0.24058	0.52275	-1.0000
-137	8.6865	0.86865	0.24814	0.53919	-1.0000
-142	9.3741	0.93741	0.25927	0.56337	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY IMPLY

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	6.6833	0.66833	0.19092	0.41484	0.38800
112	6.6283	0.66283	0.18935	0.41143	0.43100
122	7.1878	0.71878	0.20537	0.44616	0.52900
127	8.6218	0.86218	0.24058	0.52275	0.68600
137	8.6865	0.86865	0.24814	0.53919	0.52200
142	9.3741	0.93741	0.25927	0.56337	0.58800
152	10.085	1.0108	0.28895	0.62785	1.0000
157	10.085	1.0108	0.28895	0.62785	1.0000

ADDITIONAL PRESSURE RATIOS, FEM NOZZLE FLAP

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
157	10.085	1.0108	0.28895	0.62785	0.46300
157	10.085	1.0108	0.28895	0.62785	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
167	10.085	1.0108	0.28895	0.62785	0.78300
172	10.085	1.0108	0.28895	0.62785	0.84400

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
157	9.1440	0.91445	0.26184	0.56895	0.79300
187	6.7283	0.67283	0.19522	0.41763	0.84400

24 M

NASA-IWIS PRELIMINARY DATA 04/14/70 CANNON PTF 10/20/79 02:25:14.506 FAR 00001 PCN 0034 PDC 1719

ADDITIONAL PRESSURE RATIOS , PRIMARY MING

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
32	0.6771	0.84812	0.10767	0.42450	0.43400
37	0.5065	0.45007	0.10206	0.27491	0.53300
47	0.9022	0.70060	0.17562	0.20067	0.43100
52	0.2977	0.83011	0.14415	0.40550	0.72000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED I.O.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
67	0.7072	0.47004	0.15067	0.23211	0.42200
67	0.7116	0.47130	0.10450	0.27554	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED O.O.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
77	0.6462	1.0470	0.26545	0.40552	0.50000
87	0.6619	0.94664	0.21448	0.47277	0.50200
92	0.1132	1.0136	0.22401	0.40576	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED M.O.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
-107	0.6777	0.86753	0.14817	0.32648	-1.0000
-117	0.5972	0.66007	0.14645	0.32201	-1.0000
-127	0.0772	0.70756	0.15700	0.34605	-1.0000
-127	0.3622	0.83461	0.18510	0.40010	-1.0000
-137	0.6271	0.86317	0.10151	0.42214	-1.0000
-147	0.0171	0.02113	0.20017	0.44127	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED J.M.T

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
177	0.6772	0.86753	0.14817	0.32648	0.30400
117	0.5972	0.66007	0.14645	0.32201	0.43100
127	0.0772	0.70756	0.15700	0.34605	0.44000
127	0.3622	0.83461	0.18510	0.40010	0.40000
137	0.6271	0.86317	0.10151	0.42214	0.52700
147	0.0171	0.02113	0.20017	0.44127	0.50000
-157	0.0171	0.02113	0.20017	0.44127	-1.0000
-157	0.0171	0.02113	0.20017	0.44127	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
157	0.1102	1.0106	0.22425	0.40670	0.46300
157	0.1132	1.0136	0.22425	0.40670	0.40500

ADDITIONAL PRESSURE RATIOS , 20 DEG CURVED LOCATION

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
167	0.1102	1.0106	0.22425	0.40670	0.79700
177	0.1107	1.0111	0.22430	0.40653	0.84600

ADDITIONAL PRESSURE RATIOS , 30 DEG CURVED LOCATION

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
187	0.1107	0.91663	0.20320	0.44031	0.79300
187	0.1132	0.92064	0.14870	0.22755	0.84300

1000

W/14/70 02:32:27.365 7.40.0000 0000 1771

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER I.D.

AVG W/14/70	PI	W/14/70	PI/PT	PI/PT	W/14/70
77	11.643	1.1647	0.1001	0.2550	0.63679
78	6.1363	0.61360	0.10216	0.22618	0.53390
79	7.8706	0.78031	0.12505	0.20600	0.63100
80	10.309	1.1132	0.14576	0.23565	0.72903

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER C.D.

AVG W/14/70	PI	W/14/70	PI/PT	PI/PT	W/14/70
62	9.0451	0.90479	0.10556	0.23066	0.62200
63	6.5115	0.65100	0.10515	0.23076	0.67003

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER C.D.

AVG W/14/70	PI	W/14/70	PI/PT	PI/PT	W/14/70
77	21.841	2.1840	0.24356	0.29705	0.50000
78	9.3249	0.93278	0.14522	0.34068	0.53390
79	10.146	1.1146	0.14006	0.37062	0.67000

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER C.D.

AVG W/14/70	PI	W/14/70	PI/PT	PI/PT	W/14/70
117	6.6510	0.66530	0.11024	0.24799	0.60000
118	6.6063	0.66063	0.10996	0.24135	0.60000
119	7.1309	0.71309	0.11270	0.26053	0.60000
120	8.3455	0.83455	0.11024	0.25053	0.60000
121	8.9630	0.89630	0.11024	0.25053	0.60000
122	9.0351	0.90351	0.11024	0.25053	0.60000

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER C.D.

AVG W/14/70	PI	W/14/70	PI/PT	PI/PT	W/14/70
127	6.6510	0.66530	0.11024	0.24799	0.60000
128	6.6063	0.66063	0.10996	0.24135	0.60000
129	7.1309	0.71309	0.11270	0.26053	0.60000
130	8.3455	0.83455	0.11024	0.25053	0.60000
131	8.9630	0.89630	0.11024	0.25053	0.60000
132	9.0351	0.90351	0.11024	0.25053	0.60000

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER C.D.

AVG W/14/70	PI	W/14/70	PI/PT	PI/PT	W/14/70
157	10.119	1.0119	0.10944	0.26071	0.60000
158	10.110	1.0110	0.10944	0.26071	0.60000

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER C.D.

AVG W/14/70	PI	W/14/70	PI/PT	PI/PT	W/14/70
167	10.119	1.0119	0.10944	0.26071	0.60000
168	10.110	1.0110	0.10944	0.26071	0.60000

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER C.D.

AVG W/14/70	PI	W/14/70	PI/PT	PI/PT	W/14/70
167	6.1753	0.61776	0.10944	0.26071	0.60000
168	6.5470	0.65463	0.10944	0.26071	0.60000

ORIGINAL PAGE FRAME
OF POOR QUALITY

201

MASS-1-101C PRELIMINARY DATA 1/14/79 JAMES J. REC 10/28/79 02:13:14.637 FMC 07611 PCM 0796 PBC 1772

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVD MORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
37	13.546	1.3546	0.19380	0.42540	3.43430
37	7.1436	0.71557	0.10211	0.27423	3.53300
67	9.3977	0.91133	0.13004	0.28571	3.63100
67	12.370	1.2302	0.17682	0.38040	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVD MORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
67	10.532	1.0550	0.15054	0.33075	0.42200
67	7.3635	0.73160	0.10525	0.23124	3.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD MORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	25.580	2.5626	0.36564	0.80337	0.50000
67	9.8773	0.98362	0.14019	0.30799	0.48100
67	10.117	1.0155	0.14400	0.31035	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD MORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	6.6685	0.66800	0.05514	0.20042	-1.0000
-112	6.6295	0.66370	0.05474	0.20016	-1.0000
-127	7.2136	0.72136	0.13311	0.27652	-1.3000
-127	8.6133	0.86275	0.12022	0.26421	-1.0000
-127	8.6879	0.87020	0.12419	0.27004	-1.0000
-142	9.3677	0.93633	0.12561	0.28677	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD MORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	6.6685	0.66800	0.05514	0.20042	3.39000
112	6.6295	0.66370	0.05474	0.20016	0.43100
127	7.2136	0.72136	0.13311	0.27652	3.44000
127	8.6133	0.86275	0.12022	0.26421	0.48400
127	8.6879	0.87020	0.12419	0.27204	0.47700
142	9.3677	0.93633	0.12561	0.28677	3.50000
142	10.117	1.0155	0.14400	0.31035	1.0000
157	17.117	1.7117	0.24000	0.31775	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD MORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
157	10.102	1.0110	0.14447	0.31725	0.46200
157	10.102	1.0110	0.14447	0.31725	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIMMING LOCATION

AVD MORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	10.107	1.0104	0.14447	0.31741	0.79300
177	10.107	1.0119	0.14447	0.31725	0.84400

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIMMING LOCATION

AVD MORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	0.1777	0.1777	0.13115	0.28022	0.79300
107	0.5335	0.5335	0.20222	0.21510	3.46400

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MASS-LUMIS PRELIMINARY DATA 7/16/75 CADDIE PFC 10/20/75 02:23:38.907 CM 90421 PCN 1034 PNC 1773

ADDITIONAL PRESSURE RATIOS, PRIMARY PING

AVG WDP	PI	M/PN	M/PTF	PI/PTP	X/PMAX
37	13.557	1.3544	0.10296	0.42773	0.4340
47	7.1417	0.71454	0.17717	0.22650	1.53709
67	9.0059	1.01006	0.13007	0.29606	0.63100
67	13.417	1.2420	0.17750	0.29076	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVG WDPN	PI	M/PN	M/PTF	PI/PTP	X/PMAX
67	10.520	1.0525	0.15963	0.23902	0.42200
67	7.2667	0.71704	0.17536	0.23166	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER P.O.

AVG WDPN	PI	M/PN	M/PTF	PI/PTP	X/PMAX
77	75.572	2.5585	0.36567	0.80616	0.40000
87	0.4054	0.40104	0.14071	0.30835	0.40200
97	10.144	1.0150	0.14007	0.31074	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHIMM

AVG WDPN	PI	M/PN	M/PTF	PI/PTP	X/PMAX
-137	0.6469	0.65903	0.085679	0.21028	-1.0000
-117	0.6469	0.64503	0.095048	0.20002	-1.0000
-127	7.2167	0.72204	0.10724	0.27604	-1.0000
-127	0.4312	0.44354	0.12956	0.26514	-1.0000
-137	0.6011	0.60956	0.12428	0.27331	-1.0000
-147	0.7909	0.80856	0.12085	0.28557	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTOR IMPT

AVG WDPN	PI	M/PN	M/PTF	PI/PTP	X/PMAX
107	0.6469	0.64903	0.095679	0.21028	0.39000
112	0.6469	0.66503	0.095048	0.20002	0.43100
127	7.2167	0.72204	0.10724	0.27604	0.44700
127	0.4312	0.44354	0.12956	0.26514	0.40600
137	0.6011	0.60956	0.12428	0.27331	0.52200
147	0.7909	0.80956	0.12085	0.28557	0.50000
-137	0.6115	0.6129	0.14444	0.31004	-1.0000
-147	10.110	1.0115	0.14457	0.31794	-1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLIP

AVG WDPN	PI	M/PN	M/PTF	PI/PTP	X/PMAX
157	10.115	1.0120	0.14444	0.31004	0.44300
157	10.113	1.0115	0.14457	0.31794	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIMM LOCATION

AVG WDPN	PI	M/PN	M/PTF	PI/PTP	X/PMAX
167	10.110	1.0115	0.14457	0.31794	0.79700
177	10.110	1.0115	0.14457	0.31794	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHIMM LOCATION

AVG WDPN	PI	M/PN	M/PTF	PI/PTP	X/PMAX
127	0.1509	0.91955	0.11147	0.28002	0.79370
137	0.6469	0.64653	0.093923	0.20345	0.84600

REV 3

WAS-1-1015 OPTI INTRINSIC DATA 06/16/79 CANNELL PER 1002879 02:34:06.001 FOR 00001 FOR 0001 000 1796

SANITIZATION PRESSURE RATINGS, 0.01000 MPa

AVG WORN	PI	PI/PO	PI/PT	PI/PTP	K/PMAX
32	13.622	1.3400	0.19630	0.62535	0.53400
37	7.3777	0.73009	0.10781	0.22807	0.53300
47	9.1679	1.01502	0.13077	0.20428	0.63100
52	13.437	1.3425	0.17740	0.20037	0.72000

SANITIZATION PRESSURE RATINGS, 0.01000 MPa

AVG WORN	PI	PI/PO	PI/PT	PI/PTP	K/PMAX
67	12.563	1.0553	0.15067	0.32004	0.62200
67	7.6770	0.76757	0.10666	0.23351	0.67000

SANITIZATION PRESSURE RATINGS, 0.01000 MPa

AVG WORN	PI	PI/PO	PI/PT	PI/PTP	K/PMAX
77	25.663	2.5610	0.36577	0.80376	0.52000
82	8.8229	0.88135	0.14011	0.33675	0.50300
92	13.149	1.0138	0.14475	0.31400	0.67000

SANITIZATION PRESSURE RATINGS, 0.01000 MPa

AVG WORN	PI	PI/PO	PI/PT	PI/PTP	K/PMAX
-107	6.6776	0.66715	0.08000	0.27052	1.00000
-117	6.6326	0.66262	0.08000	0.20711	1.00000
-127	7.2127	0.72050	0.10200	0.22523	1.00000
-137	8.5229	0.85100	0.12022	0.26310	1.00000
-147	8.6776	0.86706	0.12743	0.27129	1.00000
-157	9.0079	0.90063	0.12056	0.28363	1.00000

SANITIZATION PRESSURE RATINGS, 0.01000 MPa

AVG WORN	PI	PI/PO	PI/PT	PI/PTP	K/PMAX
107	6.6776	0.66715	0.08000	0.27052	1.00000
117	6.6326	0.66262	0.08000	0.20711	1.00000
127	7.2127	0.72050	0.10200	0.22523	1.00000
137	8.5229	0.85100	0.12022	0.26310	1.00000
147	8.6776	0.86706	0.12743	0.27129	1.00000
157	9.0079	0.90063	0.12056	0.28363	1.00000
-167	13.149	1.0138	0.14475	0.31400	1.00000

SANITIZATION PRESSURE RATINGS, 0.01000 MPa

AVG WORN	PI	PI/PO	PI/PT	PI/PTP	K/PMAX
167	13.113	1.0103	0.14475	0.31479	1.00000
177	12.108	1.0108	0.14410	0.31563	1.00000

SANITIZATION PRESSURE RATINGS, 0.01000 MPa

AVG WORN	PI	PI/PO	PI/PT	PI/PTP	K/PMAX
167	10.108	1.0100	0.14430	0.31563	1.00000
177	10.108	1.0100	0.14410	0.31563	1.00000

SANITIZATION PRESSURE RATINGS, 0.01000 MPa

AVG WORN	PI	PI/PO	PI/PT	PI/PTP	K/PMAX
167	10.108	1.0100	0.14430	0.31563	1.00000
177	10.108	1.0100	0.14410	0.31563	1.00000

WFA-2 FWS PRT IMPACT DATA 06/14/70 CANNELL DEF 10/20/79 02:56:53.100 DEF 0904 DEF 0904 DEF 1725

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER

AVG WREN	PI	M/IN	M/PSI	M/PSI	M/PSI	M/PSI
32	11.632	1.1665	0.2970	0.2970	0.2970	0.2970
37	6.1576	0.5150	0.1970	0.1970	0.1970	0.1970
47	7.9621	0.7950	0.1970	0.1970	0.1970	0.1970
52	11.009	1.1110	0.1970	0.1970	0.1970	0.1970

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER I.O.

AVG WREN	PI	M/IN	M/PSI	M/PSI	M/PSI	M/PSI
47	9.0458	0.9056	0.1970	0.1970	0.1970	0.1970
67	6.3635	0.6370	0.1970	0.1970	0.1970	0.1970

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER C.O.

AVG WREN	PI	M/IN	M/PSI	M/PSI	M/PSI	M/PSI
77	21.789	2.1812	0.2970	0.2970	0.2970	0.2970
82	6.3745	0.6376	0.1970	0.1970	0.1970	0.1970
87	10.129	1.0149	0.1970	0.1970	0.1970	0.1970

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER

AVG WREN	PI	M/IN	M/PSI	M/PSI	M/PSI	M/PSI
117	6.6682	0.6675	0.1110	0.1110	0.1110	0.1110
112	6.5983	0.6584	0.1110	0.1110	0.1110	0.1110
122	7.1278	0.7128	0.1110	0.1110	0.1110	0.1110
127	8.3616	0.8376	0.1110	0.1110	0.1110	0.1110
137	8.6443	0.8644	0.1110	0.1110	0.1110	0.1110
142	9.0258	0.9026	0.1110	0.1110	0.1110	0.1110

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER

AVG WREN	PI	M/IN	M/PSI	M/PSI	M/PSI	M/PSI
107	6.6682	0.6675	0.1110	0.1110	0.1110	0.1110
112	6.5983	0.6584	0.1110	0.1110	0.1110	0.1110
122	7.1278	0.7128	0.1110	0.1110	0.1110	0.1110
127	8.3616	0.8376	0.1110	0.1110	0.1110	0.1110
137	8.6443	0.8644	0.1110	0.1110	0.1110	0.1110
142	9.0258	0.9026	0.1110	0.1110	0.1110	0.1110

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER

AVG WREN	PI	M/IN	M/PSI	M/PSI	M/PSI	M/PSI
152	10.789	1.0789	0.1110	0.1110	0.1110	0.1110
157	12.376	1.2376	0.1110	0.1110	0.1110	0.1110

ADDITIONAL PRESSURE RATINGS - ON NEG SPLITTER LOCATION

AVG WREN	PI	M/IN	M/PSI	M/PSI	M/PSI	M/PSI
147	12.906	1.2906	0.1110	0.1110	0.1110	0.1110
157	10.309	1.0309	0.1110	0.1110	0.1110	0.1110

ADDITIONAL PRESSURE RATINGS - ON NEG SPLITTER LOCATION

AVG WREN	PI	M/IN	M/PSI	M/PSI	M/PSI	M/PSI
167	6.1557	0.6156	0.1110	0.1110	0.1110	0.1110
172	6.5683	0.6568	0.1110	0.1110	0.1110	0.1110

Q.104 0

WASH-1 EX-15 INITIAL DATA 04/14/79 07:30:17.031 FAN 004X1 PGM 0024 MFC 1727

ADDITIONAL PRESSURE RATINGS - PRIMARY FAN

AVG WIND	PI	PI/PO	PI/PT	PI/PTD	PI/PTD	PI/PTD
72	0.6796	0.04766	0.19326	0.42665	0.43490	0.43490
77	0.4077	0.45069	0.10270	0.27404	0.53303	0.53303
67	0.0056	0.29035	0.17682	0.29478	0.63109	0.63109
62	0.0003	0.02000	0.10694	0.40600	0.72403	0.72403

ADDITIONAL PRESSURE RATINGS - FLOW SENSITIVE I.D.

AVG WIND	PI	PI/PO	PI/PT	PI/PTD	PI/PTD	PI/PTD
63	0.2966	0.67034	0.15113	0.33202	0.42200	0.42200
67	0.7176	0.47159	0.19306	0.24081	0.67000	0.67000

ADDITIONAL PRESSURE RATINGS - FLOW SENSITIVE O.D.

AVG WIND	PI	PI/PO	PI/PT	PI/PTD	PI/PTD	PI/PTD
77	16.403	1.6307	0.24725	0.80251	0.60000	0.60000
82	0.7133	0.07908	0.21033	0.47423	0.50300	0.50300
92	10.124	1.0124	0.22555	0.40551	0.67000	0.67000

ADDITIONAL PRESSURE RATINGS - FAN MOTOR

AVG WIND	PI	PI/PO	PI/PT	PI/PTD	PI/PTD	PI/PTD
113	0.6946	0.41869	0.14591	0.32714	0.30000	0.30000
115	0.5965	0.45000	0.12653	0.32274	0.30000	0.30000
123	0.0661	0.20000	0.15234	0.24571	0.40000	0.40000
127	0.3609	0.83669	0.10667	0.40050	0.40000	0.40000
137	0.0000	0.00000	0.10757	0.40000	0.40000	0.40000
143	0.0163	0.00109	0.20075	0.44102	0.30000	0.30000

ADDITIONAL PRESSURE RATINGS - FAN MOTOR 1917

AVG WIND	PI	PI/PO	PI/PT	PI/PTD	PI/PTD	PI/PTD
103	0.6064	0.66060	0.14601	0.32714	0.30000	0.30000
117	0.5945	0.65041	0.14650	0.32274	0.43100	0.43100
123	0.0000	0.00000	0.15776	0.34571	0.44000	0.44000
127	0.3609	0.83669	0.10667	0.40050	0.40000	0.40000
137	0.0000	0.00000	0.10757	0.40000	0.40000	0.40000
143	0.0162	0.00109	0.20075	0.44102	0.30000	0.30000

ADDITIONAL PRESSURE RATINGS - FAN MOTOR 1918

AVG WIND	PI	PI/PO	PI/PT	PI/PTD	PI/PTD	PI/PTD
103	10.100	1.0100	0.22510	0.40453	0.60000	0.60000
117	10.103	1.0099	0.22400	0.40420	0.60000	0.60000

ADDITIONAL PRESSURE RATINGS - 20 DEG SLOTTED ORATORION

AVG WIND	PI	PI/PO	PI/PT	PI/PTD	PI/PTD	PI/PTD
103	10.100	1.0100	0.22510	0.40453	0.70000	0.70000
117	10.103	1.0099	0.22400	0.40420	0.84000	0.84000

ADDITIONAL PRESSURE RATINGS - 30 DEG SLOTTED ORATORION

AVG WIND	PI	PI/PO	PI/PT	PI/PTD	PI/PTD	PI/PTD
103	0.1503	0.01557	0.20097	0.44011	0.70000	0.70000
117	0.0000	0.00000	0.14913	0.22767	0.86000	0.86000

0.2 3.0

NACA-11415 PRELIMINARY DATA 06/14/79 CAMFII FFE 10/28/79 02:40:03.186 FAR N76N1 PGR 0934 PRC 1728

ADDITIONAL PRESSURE RATIOS , PRIMARY PIHC

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
37	6.8743	0.64341	0.19529	0.42502	0.43400
37	8.4197	0.85195	0.24345	0.52084	0.53300
47	6.6199	0.86005	0.24602	0.53543	0.63100
57	8.9448	0.80645	0.25617	0.55751	0.72500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED I.O.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
67	5.1836	0.53976	0.15383	0.33490	0.42200
67	7.8744	0.78744	0.22502	0.48972	0.67900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED C.O.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	12.879	1.2879	0.36802	0.80004	0.50800
87	16.907	1.6906	0.48025	1.0652	0.58300
92	10.145	1.0144	0.28088	0.63089	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED SUPPLY~~

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	6.7143	0.67140	0.19186	0.41755	-1.0000
117	6.6442	0.66440	0.19086	0.41329	-1.0000
127	7.2245	0.72242	0.20444	0.44028	-1.0000
137	8.4647	0.84644	0.24188	0.52641	-1.0000
147	8.7348	0.87345	0.24874	0.54134	-1.0000
157	9.0948	0.90945	0.25088	0.56560	-1.0000

ADDITIONAL PRESSURE RATIOS , EXPOSED IMET

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	6.7143	0.67140	0.19186	0.41755	0.39800
117	6.6442	0.66440	0.19086	0.41329	0.43100
127	7.2245	0.72242	0.20444	0.44028	0.44800
137	8.4647	0.84644	0.24188	0.52641	0.48000
147	8.7348	0.87345	0.24874	0.54134	0.52200
157	9.0948	0.90945	0.25088	0.56560	0.58000
167	10.115	1.0114	0.28088	0.63089	0.67000
177	12.879	1.2879	0.36802	0.80004	0.72500

ADDITIONAL PRESSURE RATIOS , FAR NOZZLE FLAP

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
157	10.115	1.0114	0.28088	0.62003	0.46300
167	10.115	1.0100	0.28088	0.62872	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
177	10.115	1.0100	0.28088	0.62872	0.79300
177	10.115	1.0114	0.28088	0.62003	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	0.1808	0.01808	0.02629	0.57151	0.79300
197	6.7303	0.67300	0.17257	0.41911	0.84400

207

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Rev. 1

MASS-1 FWHIS PRELIMINARY DATA 7/14/70 CANNFIT PFC 10/20/70 02:42:33.056 FRC ARKX1 PGM C036 PPG 1720

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
37	11.643	1.1636	0.10270	0.42656	0.43400
47	6.1444	0.61411	0.10279	0.22404	0.53300
67	7.9233	0.79186	0.13021	0.28527	0.63100
67	11.082	1.1082	0.19457	0.40435	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
67	9.0469	0.90415	0.15058	0.32580	0.42200
67	6.3247	0.63209	0.10527	0.23062	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	21.894	2.1891	0.36441	0.79974	0.50800
87	9.3415	0.93359	0.15548	0.34017	0.58300
97	10.145	1.0139	0.16486	0.26904	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHIMM

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-107	6.4744	0.64704	0.11140	0.24337	-1.0000
-112	6.4094	0.64055	0.11001	0.24101	-1.0000
-127	7.1490	0.71447	0.11899	0.26068	-1.0000
-127	8.3722	0.83677	0.13736	0.30570	-1.0000
-137	9.6574	0.96522	0.14409	0.31568	-1.0000
-142	9.0419	0.90365	0.15049	0.32970	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
177	6.5744	0.65704	0.11100	0.24337	0.35800
117	6.4094	0.64055	0.11001	0.24101	0.43100
177	7.1490	0.71447	0.11899	0.26068	0.44900
127	8.3722	0.83677	0.13736	0.30570	0.48600
137	9.6574	0.96522	0.14409	0.31568	0.52200
142	9.0419	0.90365	0.15049	0.32970	0.58800
152	10.115	1.0115	0.16824	0.34885	0.79300
157	10.115	1.0115	0.16824	0.34885	0.84400

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
152	10.115	1.0115	0.16824	0.34885	0.44300
157	10.115	1.0115	0.16824	0.34885	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIMM LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
167	10.115	1.0115	0.16824	0.34885	0.79300
177	10.115	1.0115	0.16824	0.34885	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHIMM LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
187	9.1717	0.91667	0.15746	0.32444	0.79300
187	6.5444	0.65444	0.10803	0.23864	0.84400

NEW 10

YAC-1-515 PRELIMINARY DATA 06/14/79 CANNON REF 10/28/79 02:44:20.795 FAR 886V1 PCN 0334 SRC 1739

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	7.6324	0.74317	0.21757	0.42710	0.43407
37	9.5169	0.85155	0.24273	0.47669	0.53300
67	9.5069	0.85055	0.24244	0.47613	0.53100
52	8.4369	0.86356	0.24614	0.48340	0.52003

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
52	5.9989	0.59971	0.17904	0.33571	0.42209
67	8.5210	0.85205	0.24287	0.47607	0.52900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.883	1.2881	0.36215	0.72195	0.50890
82	16.588	1.6585	0.47275	0.93842	0.58353
92	10.136	1.0136	0.29886	0.56720	0.47000

ADDITIONAL PRESSURE RATIOS, OFFSET CHAMBER

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	6.6928	0.66917	0.19074	0.37660	-1.0000
-112	6.6129	0.66118	0.18846	0.37012	-1.0000
-122	7.1476	0.71475	0.20577	0.40005	-1.0000
-127	8.3720	0.83706	0.23860	0.46858	-1.0000
-137	8.6659	0.86656	0.24642	0.48806	-1.0000
-142	9.0465	0.90461	0.25782	0.51333	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD IMFT

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	6.6928	0.66917	0.19074	0.37660	0.38800
112	6.6129	0.66118	0.18846	0.37012	0.43103
122	7.1476	0.71475	0.20577	0.40005	0.46833
127	8.3720	0.83706	0.23860	0.46858	0.48600
137	8.6659	0.86656	0.24642	0.48806	0.52200
142	9.0465	0.90461	0.25782	0.51333	0.58800
-157	10.111	1.0109	0.29815	0.56580	-1.0000
-157	10.106	1.0106	0.29801	0.56561	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	10.111	1.0109	0.29815	0.56580	0.46200
157	10.106	1.0106	0.29801	0.56561	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOOT LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	10.106	1.0106	0.29801	0.56561	0.75700
157	10.111	1.0109	0.29815	0.56580	0.84000

ADDITIONAL PRESSURE RATIOS, 40 DEG SHOOT LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	0.1914	0.19140	0.26157	0.51388	0.70300
187	6.7279	0.67267	0.19174	0.37656	0.86400

244 0

WASH-1 CMIS PRELIMINARY DATA 04/14/79 CAMBET REF 10/28/79 07:45:24.601 SEC 08041 PCN 0736 WNC 1731

ADDITIONAL PRESSURE RATIOS , OPTIMUM RING

AVG WORD	PI	PI/PN	PI/PTT	PI/PTP	X/PMAX
32	0.6517	0.06597	0.21431	0.42405	0.43400
37	0.1039	0.51770	0.11323	0.22466	0.53300
47	0.4886	0.64937	0.14607	0.28567	0.63100
42	0.1571	0.61643	0.20322	0.40508	0.72500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED L.O.

AVG WORD	PI	PI/PN	PI/PTT	PI/PTP	X/PMAX
42	0.5182	0.75241	0.16496	0.23056	0.42200
47	0.2439	0.67400	0.11644	0.23083	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED P.O.

AVG WORD	PI	PI/PN	PI/PTT	PI/PTP	X/PMAX
77	16.444	1.4457	0.26512	0.72382	0.50800
82	0.4367	0.44663	0.21308	0.42419	0.58350
87	10.126	1.0174	0.27405	0.44576	0.67000

ADDITIONAL PRESSURE RATIOS , EXCESS SUPPLY

AVG WORD	PI	PI/PN	PI/PTT	PI/PTP	X/PMAX
-107	0.4445	0.66738	0.14807	0.29356	-1.0000
-112	0.5636	0.65687	0.14574	0.28807	-1.0000
-122	0.9886	0.60930	0.15517	0.28767	-1.0000
-127	0.2077	0.83042	0.18674	0.26525	-1.0000
-177	0.5775	0.85963	0.19066	0.37757	-1.0000
-142	0.4672	0.80763	0.19011	0.30472	-1.0000

ADDITIONAL PRESSURE RATIOS , FIREARM IMPLY

AVG WORD	PI	PI/PN	PI/PTT	PI/PTP	X/PMAX
107	0.4695	0.66738	0.14807	0.29356	0.39800
117	0.5636	0.65687	0.14574	0.28807	0.43100
127	0.9886	0.60930	0.15517	0.28767	0.44900
122	0.2077	0.83042	0.18674	0.26525	0.48800
177	0.5775	0.85963	0.19066	0.37757	0.57200
142	0.4672	0.80763	0.19011	0.30472	0.50800
102	10.106	1.0116	0.27440	0.44606	-1.0000
147	0.4104	1.0116	0.27440	0.44606	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOTIFY FIRE

AVG WORD	PI	PI/PN	PI/PTT	PI/PTP	X/PMAX
157	10.106	1.0116	0.27440	0.44606	0.46350
167	10.106	1.0116	0.27440	0.44606	0.46000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOCK LOCATION

AVG WORD	PI	PI/PN	PI/PTT	PI/PTP	X/PMAX
167	10.106	1.0116	0.27440	0.44606	0.70300
177	10.111	1.0119	0.27451	0.44608	0.84600

ADDITIONAL PRESSURE RATIOS , 30 DEG SHOCK LOCATION

AVG WORD	PI	PI/PN	PI/PTT	PI/PTP	X/PMAX
182	0.1421	0.01693	0.20266	0.40320	0.75300
187	0.4025	0.60088	0.15107	0.20068	0.84600

RUN 10

MASS-FLOW PRELIMINARY DATA 11/14/79 CONFIDENTIAL PFC 10/20/79 02:46:37.311 FAC 84601 PCN 0736 PGS 1732

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
62	11.315	1.1301	0.21574	0.42519	0.42400
77	5.7736	0.59665	0.11301	0.22447	0.53300
67	7.5946	0.75754	0.14462	0.29507	0.62100
62	8.4407	0.84306	0.16112	0.31752	0.77000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER T.O.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
62	8.7998	0.87793	0.16761	0.33023	0.42200
67	6.1347	0.61314	0.11706	0.23069	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.O.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
77	19.146	1.9124	0.36509	0.71067	0.50000
62	9.1148	0.91039	0.17301	0.34251	0.58300
92	10.165	1.0153	0.19303	0.38197	0.67000

ADDITIONAL PRESSURE RATIOS, EXHAUST SHROUD

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
-107	6.6809	0.66811	0.12758	0.24134	-1.0000
-112	6.5940	0.65861	0.12574	0.24778	-1.0000
-122	7.0243	0.70154	0.13344	0.26345	-1.0000
-127	8.3267	0.83167	0.15874	0.31282	-1.0000
-127	8.6107	0.86005	0.16427	0.32301	-1.0000
-142	8.9908	0.89891	0.17161	0.33919	-1.0000

ADDITIONAL PRESSURE RATIOS, ENGINE INLET

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
107	6.6809	0.66811	0.12758	0.24134	0.39000
112	6.5940	0.65861	0.12574	0.24778	0.43100
122	7.0243	0.70154	0.13344	0.26345	0.44500
127	8.3267	0.83167	0.15874	0.31282	0.48600
127	8.6107	0.86005	0.16427	0.32301	0.52200
142	8.9908	0.89891	0.17161	0.33919	0.58000
-107	6.6809	0.66811	0.12758	0.24134	-1.0000
-112	6.5940	0.65861	0.12574	0.24778	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
167	10.130	1.0118	0.19316	0.38066	0.46300
157	10.130	1.0118	0.19316	0.38066	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
167	10.130	1.0118	0.19316	0.38066	0.79300
172	10.130	1.0118	0.19316	0.38066	0.94400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
167	9.1808	0.91789	0.17524	0.34533	0.70300
167	6.7201	0.67210	0.12931	0.25206	0.84400

RUN 30

NACA-1000S OPERATIONAL DATA 2/14/79 CADDILLAC PFC 10/28/79 02:47:18.930 FAN BRKKE PCN C034 PRC 1733

>ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	12.993	1.3005	0.21725	0.42479	0.47400
37	6.8527	0.68509	0.11469	0.22494	0.53300
67	0.7104	0.97192	0.14567	0.25477	0.63100
52	10.170	1.0147	0.17021	0.33276	0.72400

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	10.083	1.0092	0.16863	0.32966	0.42200
67	7.9525	0.70588	0.11794	0.27057	0.67000

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	21.955	2.1974	0.36549	0.71449	0.59000
82	0.3145	0.93229	0.14577	0.30452	0.58300
92	10.143	1.0152	0.16963	0.33161	0.67000

>ADDITIONAL PRESSURE RATIOS, ENGINE SHROUD

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-117	6.6629	0.66690	0.11162	0.21783	-1.0000
-112	6.6080	0.66139	0.11051	0.21603	-1.0000
-122	7.1274	0.71338	0.11919	0.23302	-1.0000
-127	9.3609	0.93694	0.17992	0.27334	-1.0000
-137	0.6345	0.66433	0.14441	0.24232	-1.0000
-147	0.0250	0.90331	0.15093	0.29505	-1.0000

>ADDITIONAL PRESSURE RATIOS, FOREBODY IMPT

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	6.6629	0.66690	0.11162	0.21783	0.39800
112	6.6080	0.66139	0.11051	0.21603	0.42100
122	7.1274	0.71338	0.11919	0.23302	0.44900
127	9.3609	0.93694	0.17992	0.27334	0.48600
137	0.6345	0.66433	0.14441	0.24232	0.52200
142	0.0250	0.90331	0.15093	0.29505	0.58900
152	10.113	1.0122	0.16913	0.33064	1.0000
157	10.113	1.0122	0.16913	0.33064	1.0000

>ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLEAP

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	10.113	1.0122	0.16913	0.33064	0.46300
157	10.113	1.0122	0.16913	0.33064	0.49500

>ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	10.113	1.0122	0.16913	0.33064	0.79200
172	10.113	1.0122	0.16913	0.33064	0.84400

>ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVN WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	5.1997	0.91990	0.15268	0.30044	0.79300
187	5.1997	0.91990	0.15268	0.30044	0.84400

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DATE: 11/15/75 TIME: 10:25:31.201 PAGE: 0736 000 1756

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER

AVG	PI	PI/PT	PI/PTP	X/DMAX
32	15.104	0.2150	0.45514	0.43400
37	7.926	0.1151	0.22361	0.53300
47	10.135	0.1466	0.28482	0.63100
57	10.745	0.1549	0.30384	0.77400

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER L.O.

AVG	PI	PI/PT	PI/PTP	X/DMAX
62	11.715	0.1710	0.33020	0.42200
67	8.146	0.1119	0.23070	0.67000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER R.O.

AVG	PI	PI/PT	PI/PTP	X/DMAX
77	25.538	0.7653	0.71984	0.58400
87	8.788	0.1402	0.27623	0.58300
97	10.150	0.1453	0.28605	0.67000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER

AVG	PI	PI/PT	PI/PTP	X/DMAX
107	6.707	0.1036	0.14910	0.5000
117	6.837	0.1043	0.14940	0.5000
127	7.244	0.1242	0.20560	0.5000
137	8.505	0.1530	0.23886	0.5000
147	8.708	0.1547	0.24483	0.5000
157	9.166	0.1608	0.25437	0.5000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER

AVG	PI	PI/PT	PI/PTP	X/DMAX
107	6.707	0.1036	0.14910	0.5000
117	6.837	0.1043	0.14940	0.5000
127	7.244	0.1242	0.20560	0.5000
137	8.505	0.1530	0.23886	0.5000
147	8.708	0.1547	0.24483	0.5000
157	9.166	0.1608	0.25437	0.5000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER

AVG	PI	PI/PT	PI/PTP	X/DMAX
157	10.120	0.1447	0.28525	0.46900
167	10.125	0.1449	0.28530	0.46900

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER

AVG	PI	PI/PT	PI/PTP	X/DMAX
167	10.120	0.1447	0.28525	0.46900
177	10.120	0.1447	0.28525	0.46900

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER

AVG	PI	PI/PT	PI/PTP	X/DMAX
187	9.226	0.1370	0.26007	0.70300
197	6.618	0.1036	0.14910	0.5000

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4454-1 FWIF PRELIMINARY DATA 06/14/79 CONFEEI PFC 10/28/79 02:52:36.001 FPC 00001 PGM 0934 PPG 1795

ADDITIONAL PRESSURE RATIOS , PRIMARY MISC

AVD WORD	PI	PI / P0	PI / PTC	PI / PTP	X / PMAX
77	15.000	1.5167	0.21507	0.42615	0.47400
77	2.0704	0.70204	0.11354	0.22608	0.53300
47	13.110	1.2100	0.14475	0.28571	0.63100
52	10.761	1.0760	0.15413	0.23608	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI / P0	PI / PTC	PI / PTP	X / PMAX
67	11.706	1.1592	0.16764	0.33979	0.62700
67	0.1807	0.81805	0.11720	0.23143	0.67500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WORD	PI	PI / P0	PI / PTC	PI / PTP	X / PMAX
77	25.577	2.5568	0.36529	0.72278	0.50800
67	0.8204	0.98093	0.14064	0.27751	0.58300
02	12.160	1.0160	0.14251	0.28712	0.67800

ADDITIONAL PRESSURE RATIOS , EJECTOR SUPPLY

AVD WORD	PI	PI / P0	PI / PTC	PI / PTP	X / PMAX
-107	6.7338	0.67262	0.096435	0.19029	-1.0000
-117	6.7338	0.67012	0.096077	0.18958	-1.0000
-127	7.3302	0.73310	0.10511	0.20740	-1.0000
-127	8.5549	0.85453	0.12252	0.24175	-1.0000
-127	8.7903	0.87891	0.12508	0.24830	-1.0000
-142	0.1672	0.91408	0.13118	0.25885	-1.0000

ADDITIONAL PRESSURE RATIOS , CONFEEI IMET

AVD WORD	PI	PI / P0	PI / PTC	PI / PTP	X / PMAX
107	6.7338	0.67262	0.096435	0.19029	0.29800
117	6.7338	0.67012	0.096077	0.18958	0.43100
127	7.3302	0.73310	0.10511	0.20740	0.44900
127	8.5549	0.85453	0.12252	0.24175	0.48600
127	8.7903	0.87891	0.12508	0.24830	0.52200
142	0.1672	0.91408	0.13118	0.25885	0.58800
157	10.125	1.0114	0.14501	0.28613	0.66700
157	12.125	1.0114	0.14501	0.28613	0.66700

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI / P0	PI / PTC	PI / PTP	X / PMAX
157	10.125	1.0114	0.14501	0.28613	0.66700
157	12.125	1.0114	0.14501	0.28613	0.66700

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI / P0	PI / PTC	PI / PTP	X / PMAX
167	10.120	1.0100	0.14494	0.28500	0.79300
172	10.120	1.0100	0.14494	0.28500	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI / P0	PI / PTC	PI / PTP	X / PMAX
187	0.2252	0.92149	0.12711	0.24060	0.79300
187	6.5087	0.75813	0.096397	0.18615	0.84400

WPC4-14115 PRELIMINARY DATA 06/16/79 CAMPBELL REC 10/24/79 02:52:50.183 FAC 9861 PGM 0936 Run 30 PPG 1736

ADDITIONAL PRESSURE RATIOS, PRIMARY FLUG

AVD WORN	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
22	12.972	1.2004	0.21760	0.42530	0.43400
27	6.8615	0.69517	0.11445	0.27405	0.53700
47	9.7273	0.87140	0.14583	0.28503	0.63100
52	19.162	1.0148	0.16581	0.33100	0.72400

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WORN	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
62	10.107	1.0703	0.14800	0.33011	0.62700
67	7.9646	0.70566	0.11808	0.27079	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WORN	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
77	21.828	2.1797	0.24474	0.71200	0.50000
82	0.3376	0.03261	0.15602	0.30604	0.58700
92	10.157	1.0143	0.14973	0.27174	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORN	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
-107	6.7114	0.67019	0.11215	0.21919	-1.0000
-117	6.6214	0.66119	0.11064	0.21625	-1.0000
-127	7.1466	0.71365	0.11042	0.23341	-1.0000
-127	8.3972	0.83952	0.14031	0.27625	-1.0000
-127	8.6872	0.86740	0.14516	0.28377	-1.0000
-147	9.0473	0.90335	0.15118	0.29440	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORN	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
107	6.7114	0.67019	0.11215	0.21919	0.29000
117	6.6214	0.66119	0.11064	0.21625	0.43100
127	7.1466	0.71365	0.11042	0.23341	0.44500
127	8.3972	0.83952	0.14031	0.27625	0.68400
127	8.6872	0.86740	0.14516	0.28377	0.52200
147	9.0473	0.90335	0.15118	0.29440	0.58000
157	10.127	1.0113	0.14523	0.23074	1.0000
157	10.127	1.0113	0.14523	0.23074	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORN	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
157	10.127	1.0113	0.14523	0.23074	0.44300
157	10.127	1.0113	0.14523	0.23074	0.44500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORN	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
167	10.127	1.0113	0.14523	0.23074	0.75300
177	10.127	1.0113	0.14523	0.23074	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHROUD LOCATION

AVD WORN	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
187	0.1924	0.01703	0.15760	0.30022	0.79300
187	0.6164	0.60700	0.11754	0.21670	0.84400

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MAGS-1 EXIS PRELIMINARY DATA 06/14/79

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REF 10/20/79 02:52:57.142

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PCN C034

ROW 36
PGC 1737

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
27	11.336	1.1300	0.21549	0.42454	3.43487
27	9.9763	0.97776	0.11300	0.22441	0.53300
47	7.5749	1.75779	0.14430	0.28445	3.63103
67	0.4391	0.44415	0.14705	0.31600	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
67	0.7498	0.47413	0.16752	0.33006	0.42200
67	0.1750	0.61376	0.11695	0.23041	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
77	19.760	1.9074	0.34245	0.71605	0.70000
02	9.1135	0.91160	0.17770	0.34223	0.90300
02	10.147	1.0150	0.10241	0.30105	0.67000

~~ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.~~

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
-107	6.6775	0.66724	0.12714	0.25049	-1.0000
-117	6.5454	0.65475	0.12552	0.24730	-1.0000
-127	7.0703	0.70222	0.12281	0.24363	-1.0000
-137	0.3102	0.31214	0.15057	0.31240	-1.0000
-147	0.40936	0.40961	0.16700	0.32291	-1.0000
-157	0.40936	0.40961	0.17142	0.33773	-1.0000

ADDITIONAL PRESSURE RATIOS, PROPERTY 10177

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
107	6.6705	0.66724	0.12714	0.25049	0.30000
117	6.5454	0.65475	0.12552	0.24730	2.43100
127	7.0703	0.70222	0.12281	0.24363	0.44000
137	0.3102	0.31214	0.15057	0.31240	0.40600
147	0.40936	0.40961	0.16700	0.32291	0.52200
157	0.40936	0.40961	0.17142	0.33773	0.50000
-107	10.117	1.0120	0.10204	0.37003	-1.0000
-117	10.117	1.0120	0.10204	0.37003	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NO771F FIAP

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
147	10.117	1.0120	0.10204	0.37003	0.46300
157	10.117	1.0120	0.10204	0.37003	0.40500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
147	10.117	1.0120	0.10204	0.37003	0.70000
177	10.117	1.0120	0.10204	0.37003	0.84400

ADDITIONAL PRESSURE RATIOS, 00 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
147	0.1704	0.31010	0.17404	0.24467	0.70000
187	0.7455	0.67674	0.17057	0.25331	1.04400

NAICS-1 FUEL OFFICIAL DATA 36/14/70 CAMBIE REF 18/28/79 02:54:31.703 FAC 086H1 PCN 0896 Ref 36

ADDITIONAL PRESSURE RATIOS , PRIMARY BLUR

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
32	0.4710	0.7672	0.7144	0.4747	0.47400
37	0.1170	0.5115	0.1173	0.7745	0.57300
47	0.4771	0.6501	0.1440	0.2957	0.63160
52	0.1563	0.5161	0.7330	0.4771	0.72400

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED I.D.

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
42	0.5419	0.7546	0.1475	0.2317	0.42700
47	0.2570	0.5240	0.1165	0.2309	0.47000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED C.D.

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
77	0.6440	0.6450	0.7645	0.7221	0.50000
82	0.6260	0.9631	0.2134	0.4222	0.50300
92	0.146	0.0152	0.2240	0.4456	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED C.D.

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
-107	0.6920	0.6661	0.1460	0.7934	-1.0000
-117	0.5770	0.6581	0.1455	0.7980	-1.0000
-127	0.9970	0.7001	0.1551	0.3073	-1.0000
-127	0.7866	0.8291	0.1472	0.7620	-1.0000
-137	0.5765	0.8501	0.1401	0.7672	-1.0000
-147	0.9814	0.8961	0.1001	0.7645	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED C.D.

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
107	0.6920	0.6661	0.1460	0.7934	0.30000
117	0.5770	0.6581	0.1455	0.7980	0.43100
127	0.9970	0.7001	0.1551	0.3073	0.44000
127	0.7866	0.8291	0.1472	0.7620	0.46000
137	0.5765	0.8501	0.1401	0.7672	0.52200
147	0.9814	0.8961	0.1001	0.7645	0.50000
157	0.111	0.0117	0.2742	0.4441	0.70300
157	0.106	0.0112	0.2741	0.4430	0.84400

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
157	0.111	0.0117	0.2742	0.4441	0.46700
157	0.106	0.0112	0.2741	0.4430	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SURFON LOCATION

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
167	0.111	0.0117	0.2742	0.4441	0.70300
177	0.111	0.0117	0.2742	0.4441	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SURFON LOCATION

AVD WOPD	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
187	0.171	0.0170	0.2022	0.4020	0.79300
197	0.0720	0.6972	0.1515	0.2000	0.84400

Rev 30
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AVG WIND M / SEC
37 3.6631 0.0650 0.7147 0.6764 0.4360
37 5.1137 0.5130 0.1176 0.2265 0.5330
47 5.6085 0.6102 0.1643 0.2051 0.6310
57 0.1403 0.0146 0.0000 0.0000 0.0000

AVG WIND M / SEC
62 7.9304 0.7931 0.1673 0.3103 0.4270
67 5.2533 0.5253 0.1167 0.2306 0.4700

AVG WIND M / SEC
77 16.463 1.6467 0.2656 0.7221 0.5000
82 9.5781 0.9578 0.2127 0.4205 0.5800
87 10.148 1.0148 0.2258 0.4450 0.6700

AVG WIND M / SEC
127 6.6076 0.6607 0.1406 0.2932 0.4360
117 6.5845 0.6585 0.1473 0.2931 0.4360
127 6.9936 0.6994 0.1543 0.3079 0.4400
127 8.2035 0.8204 0.1620 0.3417 0.4800
137 0.6136 0.6136 0.1010 0.3707 0.5000
147 0.7033 0.7033 0.1000 0.3834 0.5000

AVG WIND M / SEC
157 6.6936 0.6693 0.1406 0.2932 0.4360
117 6.5845 0.6585 0.1473 0.2931 0.4360
127 6.9936 0.6994 0.1543 0.3079 0.4400
127 8.2035 0.8204 0.1620 0.3417 0.4800
137 0.6136 0.6136 0.1010 0.3707 0.5000
147 0.7033 0.7033 0.1000 0.3834 0.5000

AVG WIND M / SEC
157 10.119 1.0119 0.2267 0.4470 0.4500
167 10.119 1.0119 0.2267 0.4470 0.4500

AVG WIND M / SEC
167 10.118 1.0118 0.2267 0.4470 0.4500
177 10.113 1.0113 0.2261 0.4467 0.4400

AVG WIND M / SEC
187 9.1834 0.9184 0.2056 0.4025 0.4000
197 6.936 0.6936 0.1511 0.3085 0.4400

AVD	UNIT	PL	#	U	M/AV	PL/PLP	M/PLX
17		0.2063		0.2759	0.23490	0.52717	0.63603
27		0.0733		0.0911	0.23098	0.61146	0.53200
57		0.3763		0.0657	0.23637	0.62181	0.63850
57		0.2773		0.2779	0.23665	0.62602	0.77909

DATE	UNIT	PI	QTY	UNIT PRICE	TOTAL	REMARKS
12	22	6.4990	0.6623	0.3956	0.3360	
13	23	7.0873	0.7081	0.2202	0.1559	
14	24	0.0000	0.0000	0.0000	0.0000	
15	25	0.0000	0.0000	0.0000	0.0000	
16	26	0.0000	0.0000	0.0000	0.0000	
17	27	0.0000	0.0000	0.0000	0.0000	
18	28	0.0000	0.0000	0.0000	0.0000	
19	29	0.0000	0.0000	0.0000	0.0000	
20	30	0.0000	0.0000	0.0000	0.0000	
21	31	0.0000	0.0000	0.0000	0.0000	
22	32	0.0000	0.0000	0.0000	0.0000	
23	33	0.0000	0.0000	0.0000	0.0000	
24	34	0.0000	0.0000	0.0000	0.0000	
25	35	0.0000	0.0000	0.0000	0.0000	
26	36	0.0000	0.0000	0.0000	0.0000	
27	37	0.0000	0.0000	0.0000	0.0000	
28	38	0.0000	0.0000	0.0000	0.0000	
29	39	0.0000	0.0000	0.0000	0.0000	
30	40	0.0000	0.0000	0.0000	0.0000	
31	41	0.0000	0.0000	0.0000	0.0000	
32	42	0.0000	0.0000	0.0000	0.0000	
33	43	0.0000	0.0000	0.0000	0.0000	
34	44	0.0000	0.0000	0.0000	0.0000	
35	45	0.0000	0.0000	0.0000	0.0000	
36	46	0.0000	0.0000	0.0000	0.0000	
37	47	0.0000	0.0000	0.0000	0.0000	
38	48	0.0000	0.0000	0.0000	0.0000	
39	49	0.0000	0.0000	0.0000	0.0000	
40	50	0.0000	0.0000	0.0000	0.0000	
41	51	0.0000	0.0000	0.0000	0.0000	
42	52	0.0000	0.0000	0.0000	0.0000	
43	53	0.0000	0.0000	0.0000	0.0000	
44	54	0.0000	0.0000	0.0000	0.0000	
45	55	0.0000	0.0000	0.0000	0.0000	
46	56	0.0000	0.0000	0.0000	0.0000	
47	57	0.0000	0.0000	0.0000	0.0000	
48	58	0.0000	0.0000	0.0000	0.0000	
49	59	0.0000	0.0000	0.0000	0.0000	
50	60	0.0000	0.0000	0.0000	0.0000	
51	61	0.0000	0.0000	0.0000	0.0000	
52	62	0.0000	0.0000	0.0000	0.0000	
53	63	0.0000	0.0000	0.0000	0.0000	
54	64	0.0000	0.0000	0.0000	0.0000	
55	65	0.0000	0.0000	0.0000	0.0000	
56	66	0.0000	0.0000	0.0000	0.0000	
57	67	0.0000	0.0000	0.0000	0.0000	
58	68	0.0000	0.0000	0.0000	0.0000	
59	69	0.0000	0.0000	0.0000	0.0000	
60	70	0.0000	0.0000	0.0000	0.0000	
61	71	0.0000	0.0000	0.0000	0.0000	
62	72	0.0000	0.0000	0.0000	0.0000	
63	73	0.0000	0.0000	0.0000	0.0000	
64	74	0.0000	0.0000	0.0000	0.0000	

[illegible]

AVG	MIN	MAX	Q1	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30	Q31	Q32	Q33	Q34	Q35	Q36	Q37	Q38	Q39	Q40	Q41	Q42	Q43	Q44	Q45	Q46	Q47	Q48	Q49	Q50	Q51	Q52	Q53	Q54	Q55	Q56	Q57	Q58	Q59	Q60	Q61	Q62	Q63	Q64	Q65	Q66	Q67	Q68	Q69	Q70	Q71	Q72	Q73	Q74	Q75	Q76	Q77	Q78	Q79	Q80	Q81	Q82	Q83	Q84	Q85	Q86	Q87	Q88	Q89	Q90	Q91	Q92	Q93	Q94	Q95	Q96	Q97	Q98	Q99	Q100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
107	117	127	137	147	157	167	177	187	197	207	217	227	237	247	257	267	277	287	297	307	317	327	337	347	357	367	377	387	397	407	417	427	437	447	457	467	477	487	497	507	517	527	537	547	557	567	577	587	597	607	617	627	637	647	657	667	677	687	697	707	717	727	737	747	757	767	777	787	797	807	817	827	837	847	857	867	877	887	897	907	917	927	937	947	957	967	977	987	997	1007	1017	1027	1037	1047	1057	1067	1077	1087	1097	1107	1117	1127	1137	1147	1157	1167	1177	1187	1197	1207	1217	1227	1237	1247	1257	1267	1277	1287	1297	1307	1317	1327	1337	1347	1357	1367	1377	1387	1397	1407	1417	1427	1437	1447	1457	1467	1477	1487	1497	1507	1517	1527	1537	1547	1557	1567	1577	1587	1597	1607	1617	1627	1637	1647	1657	1667	1677	1687	1697	1707	1717	1727	1737	1747	1757	1767	1777	1787	1797	1807	1817	1827	1837	1847	1857	1867	1877	1887	1897	1907	1917	1927	1937	1947	1957	1967	1977	1987	1997	2007	2017	2027	2037	2047	2057	2067	2077	2087	2097	2107	2117	2127	2137	2147	2157	2167	2177	2187	2197	2207	2217	2227	2237	2247	2257	2267	2277	2287	2297	2307	2317	2327	2337	2347	2357	2367	2377	2387	2397	2407	2417	2427	2437	2447	2457	2467	2477	2487	2497	2507	2517	2527	2537	2547	2557	2567	2577	2587	2597	2607	2617	2627	2637	2647	2657	2667	2677	2687	2697	2707	2717	2727	2737	2747	2757	2767	2777	2787	2797	2807	2817	2827	2837	2847	2857	2867	2877	2887	2897	2907	2917	2927	2937	2947	2957	2967	2977	2987	2997	3007	3017	3027	3037	3047	3057	3067	3077	3087	3097	3107	3117	3127	3137	3147	3157	3167	3177	3187	3197	3207	3217	3227	3237	3247	3257	3267	3277	3287	3297	3307	3317	3327	3337	3347	3357	3367	3377	3387	3397	3407	3417	3427	3437	3447	3457	3467	3477	3487	3497	3507	3517	3527	3537	3547	3557	3567	3577	3587	3597	3607	3617	3627	3637	3647	3657	3667	3677	3687	3697	3707	3717	3727	3737	3747	3757	3767	3777	3787	3797	3807	3817	3827	3837	3847	3857	3867	3877	3887	3897	3907	3917	3927	3937	3947	3957	3967	3977	3987	3997	4007	4017	4027	4037	4047	4057	4067	4077	4087	4097	4107	4117	4127	4137	4147	4157	4167	4177	4187	4197	4207	4217	4227	4237	4247	4257	4267	4277	4287	4297	4307	4317	4327	4337	4347	4357	4367	4377	4387	4397	4407	4417	4427	4437	4447	4457	4467	4477	4487	4497	4507	4517	4527	4537	4547	4557	4567	4577	4587	4597	4607	4617	4627	4637	4647	4657	4667	4677	4687	4697	4707	4717	4727	4737	4747	4757	4767	4777	4787	4797	4807	4817	4827	4837	4847	4857	4867	4877	4887	4897	4907	4917	4927	4937	4947	4957	4967	4977	4987	4997	5007	5017	5027	5037	5047	5057	5067	5077	5087	5097	5107	5117	5127	5137	5147	5157	5167	5177	5187	5197	5207	5217	5227	5237	5247	5257	5267	5277	5287	5297	5307	5317	5327	5337	5347	5357	5367	5377	5387	5397	5407	5417	5427	5437	5447	5457	5467	5477	5487	5497	5507	5517	5527	5537	5547	5557	5567	5577	5587	5597	5607	5617	5627	5637	5647	5657	5667	5677	5687	5697	5707	5717	5727	5737	5747	5757	5767	5777	5787	5797	5807	5817	5827	5837	5847	5857	5867	5877	5887	5897	5907	5917	5927	5937	5947	5957	5967	5977	5987	5997	6007	6017	6027	6037	6047	6057	6067	6077	6087	6097	6107	6117	6127	6137	6147	6157	6167	6177	6187	6197	6207	6217	6227	6237	6247	6257	6267	6277	6287	6297	6307	6317	6327	6337	6347	6357	6367	6377	6387	6397	6407	6417	6427	6437	6447	6457	6467	6477	6487	6497	6507	6517	6527	6537	6547	6557	6567	6577	6587	6597	6607	6617	6627	6637	6647	6657	6667	6677	6687	6697	6707	6717	6727	6737	6747	6757	6767	6777	6787	6797	6807	6817	6827	6837	6847	6857	6867	6877	6887	6897	6907	6917	6927	6937	6947	6957	6967	6977	6987	6997	7007	7017	7027	7037	7047	7057	7067	7077	7087	7097	7107	7117	7127	7137	7147	7157	7167	7177	7187	7197	7207	7217	7227	7237	7247	7257	7267	7277	7287	7297	7307	7317	7327	7337	7347	7357	7367	7377	7387	7397	7407	7417	7427	7437	7447	7457	7467	7477	7487	7497	7507	7517	7527	7537	7547	7557	7567	7577	7587	7597	7607	7617	7627	7637	7647	7657	7667	7677	7687	7697	7707	7717	7727	7737	7747	7757	7767	7777	7787	7797	7807	7817	7827	7837	7847	7857	7867	7877	7887	7897	7907	7917	7927	7937	7947	7957	7967	7977	7987	7997	8007	8017	8027	8037	8047	8057	8067	8077	8087	8097	8107	8117	8127	8137	8147	8157	8167	8177	8187	8197	8207	8217	8227	8237	8247	8257	8267	8277	8287	8297	8307	8317	8327	8337	8347	8357	8367	8377	8387	8397	8407	8417	8427	8437	8447	8457	8467	8477	8487	8497	8507	8517	8527	8537	8547	8557	8567	8577	8587	8597	8607	8617	8627	8637	8647	8657	8667	8677	8687	8697	8707	8717	8727	8737	8747	8757	8767	8777	8787	8797	8807	8817	8827	8837	8847	8857	8867	8877	8887	8897	8907	8917	8927	8937	8947	8957	8967	8977	8987	8997	9007	9017	9027	9037	9047	9057	9067	9077	9087	9097	9107	9117	9127	9137	9147	9157	9167	9177	9187	9197	9207	9217	9227	9237	9247	9257	9267	9277	9287	9297	9307	9317	9327	9337	9347	9357	9367	9377	9387	9397	9407	9417	9427	9437	9447	9457	9467	9477	9487	9497	9507	9517	9527	9537	9547	9557	9567	9577	9587	9597	9607	9617	9627	9637	9647	9657	9667	9677	9687	9697	9707	9717	9727	9737	9747	9757	9767	9777	9787	9797	9807	9817	9827	9837	9847	9857	9867	9877	9887	9897	9907	9917	9927	9937	9947	9957	9967	9977	9987	9997	10007

Age group	M	M/100	M/1000	M/10000	M/100000
127	6.7140	7.67071	0.10191	0.24670	0.30000
128	6.6149	0.66972	0.10036	0.24174	0.33100
129	7.15491	0.71549	0.23635	0.56864	0.64900
130	6.3743	0.63743	0.23957	0.62181	0.58600
131	6.4703	0.64703	0.23756	0.64548	0.52200
132	6.3743	0.63743	0.23635	0.62181	0.58600
133	6.3743	0.63743	0.23635	0.62181	0.58600
134	6.3743	0.63743	0.23635	0.62181	0.58600
135	6.3743	0.63743	0.23635	0.62181	0.58600
136	6.3743	0.63743	0.23635	0.62181	0.58600
137	6.3743	0.63743	0.23635	0.62181	0.58600
138	6.3743	0.63743	0.23635	0.62181	0.58600
139	6.3743	0.63743	0.23635	0.62181	0.58600
140	6.3743	0.63743	0.23635	0.62181	0.58600

Unit	M/MT	M/MTK	M/STP	T/MNT
100	10.124	1.0116	0.52204	0.46389
157	15.138	1.0116	0.52210	0.46393

DATE	TIME	M/DN	M/NF	M/BTD	N/TWAV
16	17.170	1.0119	0.70083	0.52230	0.73309

Run	Time	Temp	Pressure	Flow	Volume	Concentration	Recovery
1	10.0	100.0	100.0	100.0	100.0	100.0	100.0
2	10.0	100.0	100.0	100.0	100.0	100.0	100.0
3	10.0	100.0	100.0	100.0	100.0	100.0	100.0
4	10.0	100.0	100.0	100.0	100.0	100.0	100.0
5	10.0	100.0	100.0	100.0	100.0	100.0	100.0
6	10.0	100.0	100.0	100.0	100.0	100.0	100.0
7	10.0	100.0	100.0	100.0	100.0	100.0	100.0
8	10.0	100.0	100.0	100.0	100.0	100.0	100.0
9	10.0	100.0	100.0	100.0	100.0	100.0	100.0
10	10.0	100.0	100.0	100.0	100.0	100.0	100.0

NASA-LEWIS PRELIMINARY DATA 76/14/79

CONFIDENTIAL

REF 10/28/79 07:04:25.022

FAC 07671

PGM C074

RUN 30

ENG 1762

ADDITIONAL PRESSURE RATIOS - PRIMARY PLUG

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
27	10.613	1.0500	0.23579	0.42647	0.43430
37	5.6911	0.55925	0.12444	0.22505	0.53300
47	7.1171	0.71074	0.15812	0.24557	0.63190
52	7.9574	0.78668	0.17457	0.21571	0.72900

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
62	8.2525	0.82414	0.18334	0.23159	0.42200
67	5.7612	0.57534	0.12800	0.23149	0.67000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.D.

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	16.461	1.6439	0.36572	0.66142	0.50800
82	9.5479	0.95499	0.21290	0.38504	0.58300
92	10.158	1.0144	0.22568	0.40815	0.67000

~~ADDITIONAL PRESSURE RATIOS - EJECTOR SHROUD~~

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-107	6.6768	0.66678	0.14834	0.26828	-1.0000
-112	6.5918	0.65729	0.14623	0.26446	-1.0000
-122	6.9729	0.69676	0.15499	0.28014	-1.0000
-127	8.2825	0.82713	0.18401	0.33279	-1.0000
-137	8.5574	0.85461	0.19012	0.34385	-1.0000
-147	8.9677	0.89556	0.19922	0.36033	-1.0000

ADDITIONAL PRESSURE RATIOS - EJECTOR INLET

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
107	6.6768	0.66678	0.14834	0.26828	0.39800
112	6.5918	0.65729	0.14623	0.26446	0.43100
122	6.9729	0.69676	0.15499	0.28014	0.44500
127	8.2825	0.82713	0.18401	0.33279	0.48600
137	8.5574	0.85461	0.19012	0.34385	0.52200
147	8.9677	0.89556	0.19922	0.36033	0.58800
152	10.123	1.0109	0.22400	0.40674	-1.0000
157	10.123	1.0109	0.22400	0.40674	-1.0000

ADDITIONAL PRESSURE RATIOS - FAN NOZZLE FLAP

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
152	10.123	1.0109	0.22400	0.40674	0.46300
157	10.123	1.0109	0.22400	0.40674	0.49500

ADDITIONAL PRESSURE RATIOS - 30 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
167	10.123	1.0114	0.22501	0.40604	0.79300
172	10.123	1.0119	0.22512	0.40714	0.84400

ADDITIONAL PRESSURE RATIOS - 90 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
187	9.1778	0.91654	0.20290	0.34877	0.70300
197	6.9129	0.69024	0.15354	0.27772	0.84400

REV 30
RMC 1743

PER 10/28/79 02:15:30.731

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ADDITIONAL PRESSURE RATINGS - PRIMARY PMS

AVD	WTH	PI	W/MT	W/STF	W/STP	W/MAX
77	12.663	1.7459	0.23579	0.23579	0.23579	0.23579
77	6.5619	0.65659	0.17426	0.17426	0.17426	0.17426
77	9.3367	0.83367	0.15706	0.15706	0.15706	0.15706
77	0.7712	0.07712	0.15677	0.15677	0.15677	0.15677

ADDITIONAL PRESSURE RATINGS - FLOW CAPTURED L.O.

AVD	WTH	PI	W/MT	W/STF	W/STP	W/MAX
77	12.663	1.7459	0.23579	0.23579	0.23579	0.23579
77	6.5619	0.65659	0.17426	0.17426	0.17426	0.17426
77	9.3367	0.83367	0.15706	0.15706	0.15706	0.15706
77	0.7712	0.07712	0.15677	0.15677	0.15677	0.15677

ADDITIONAL PRESSURE RATINGS - FLOW CAPTURED C.O.

AVD	WTH	PI	W/MT	W/STF	W/STP	W/MAX
77	12.663	1.7459	0.23579	0.23579	0.23579	0.23579
77	6.5619	0.65659	0.17426	0.17426	0.17426	0.17426
77	9.3367	0.83367	0.15706	0.15706	0.15706	0.15706
77	0.7712	0.07712	0.15677	0.15677	0.15677	0.15677

ADDITIONAL PRESSURE RATINGS - FLOW CAPTURED T.M.E.T

AVD	WTH	PI	W/MT	W/STF	W/STP	W/MAX
77	12.663	1.7459	0.23579	0.23579	0.23579	0.23579
77	6.5619	0.65659	0.17426	0.17426	0.17426	0.17426
77	9.3367	0.83367	0.15706	0.15706	0.15706	0.15706
77	0.7712	0.07712	0.15677	0.15677	0.15677	0.15677

ADDITIONAL PRESSURE RATINGS - FLOW CAPTURED F.M.P

AVD	WTH	PI	W/MT	W/STF	W/STP	W/MAX
77	12.663	1.7459	0.23579	0.23579	0.23579	0.23579
77	6.5619	0.65659	0.17426	0.17426	0.17426	0.17426
77	9.3367	0.83367	0.15706	0.15706	0.15706	0.15706
77	0.7712	0.07712	0.15677	0.15677	0.15677	0.15677

ADDITIONAL PRESSURE RATINGS - FLOW CAPTURED F.M.P

AVD	WTH	PI	W/MT	W/STF	W/STP	W/MAX
77	12.663	1.7459	0.23579	0.23579	0.23579	0.23579
77	6.5619	0.65659	0.17426	0.17426	0.17426	0.17426
77	9.3367	0.83367	0.15706	0.15706	0.15706	0.15706
77	0.7712	0.07712	0.15677	0.15677	0.15677	0.15677

ADDITIONAL PRESSURE RATINGS - FLOW CAPTURED F.M.P

AVD	WTH	PI	W/MT	W/STF	W/STP	W/MAX
77	12.663	1.7459	0.23579	0.23579	0.23579	0.23579
77	6.5619	0.65659	0.17426	0.17426	0.17426	0.17426
77	9.3367	0.83367	0.15706	0.15706	0.15706	0.15706
77	0.7712	0.07712	0.15677	0.15677	0.15677	0.15677

ADDITIONAL PRESSURE RATINGS - FLOW CAPTURED F.M.P

AVD	WTH	PI	W/MT	W/STF	W/STP	W/MAX
77	12.663	1.7459	0.23579	0.23579	0.23579	0.23579
77	6.5619	0.65659	0.17426	0.17426	0.17426	0.17426
77	9.3367	0.83367	0.15706	0.15706	0.15706	0.15706
77	0.7712	0.07712	0.15677	0.15677	0.15677	0.15677

NASA-Lewis PRELIMINARY DATA 06/14/79 CANNETT REC 10/28/79 03:06:14.300 FAC AX6X1 PCM 034 ~~PAGE 1744~~

ADDITIONAL PRESSURE RATIOS, PRIMARY PLING

AVD WORD	PL	PI/PD	PI/PTF	PI/PTD	X/DMAX
32	14.154	1.4171	0.22572	0.42657	0.42400
37	7.4559	0.74639	0.12415	0.22362	1.53333
47	0.4948	0.06050	0.15704	0.28444	3.62100
52	0.4948	0.06050	0.15011	0.25579	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTD	X/DMAX
62	11.074	1.1016	0.18323	0.33604	0.42200
67	7.4957	0.74960	0.12798	0.23052	2.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	21.891	2.1914	0.36452	0.65658	0.50800
82	9.1149	0.93240	0.15511	0.27938	0.58300
87	19.129	1.0150	0.16994	0.30411	0.67800

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTD	X/DMAX
-107	6.6763	0.66831	0.11117	0.20023	-1.0000
-112	6.6763	0.66831	0.11034	0.19872	-1.0000
-122	7.1309	0.71994	0.11657	0.21538	-1.0000
-127	8.3996	0.83996	0.13072	0.25166	-1.0000
-137	8.6853	0.86853	0.14463	0.26050	-1.0000
-142	0.9691	0.96908	0.15097	0.27174	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTD	X/DMAX
107	6.6763	0.66831	0.11117	0.20023	0.39800
112	6.6763	0.66831	0.11034	0.19872	0.42100
122	7.1309	0.71994	0.11657	0.21538	0.44900
127	8.3996	0.83996	0.13072	0.25166	1.49000
137	8.6853	0.86853	0.14463	0.26050	0.52200
142	0.9691	0.96908	0.15097	0.27174	0.58800
-107	6.6763	0.66831	0.11117	0.20023	-1.0000
-112	6.6763	0.66831	0.11034	0.19872	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTD	X/DMAX
152	17.119	1.0130	0.16051	0.30351	0.46700
157	17.119	1.0130	0.16051	0.30351	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SURROUND LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTD	X/DMAX
167	17.119	1.0130	0.16051	0.30351	0.75700
172	17.119	1.0130	0.16051	0.30351	0.84400

ADDITIONAL PRESSURE RATIOS, 20 DEG SURROUND LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTD	X/DMAX
182	9.1250	0.92060	0.15711	0.27570	0.79300
187	6.6763	0.66831	0.11117	0.20023	0.84400

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NASA-LEWIS REE PRIMARY DATA 04/14/70 CAMD511 REC 10/28/79 02:37:10.036 FAC AXAXI PGM F034 PRC 1745

ADDITIONAL PRESSURE RATIOS , PRIMARY PLIN

AVD WPRD	PL	M / PN	M / PTF	M / PTP	X / PMAX
32	16.471	1.6487	0.23657	0.42614	0.47600
37	9.6556	0.86639	0.12748	0.22201	0.59300
47	11.368	1.1750	0.15761	0.28652	0.63100
52	10.978	1.0980	0.15662	0.28273	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WPRD	PL	M / PN	M / PTF	M / PTP	X / PMAX
62	12.831	1.2844	0.18305	0.23044	0.42200
67	9.9453	0.89530	0.12741	0.23037	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WPRD	PL	M / PN	M / PTF	M / PTP	X / PMAX
77	24.637	2.5662	0.36573	0.66023	0.50900
82	0.9346	0.99460	0.14030	0.25327	0.58200
92	10.156	1.0164	0.14486	0.26150	0.67000

ADDITIONAL PRESSURE RATIOS , EXHAUST OUTLET

AVD WPRD	PL	M / PN	M / PTF	M / PTP	X / PMAX
-107	6.7317	0.67392	0.096033	0.17336	-1.0000
-112	6.7347	0.67432	0.096104	0.17349	-1.0000
-127	7.3714	0.73785	0.10516	0.18994	-1.0000
-127	8.5776	0.85788	0.12227	0.22072	-1.0000
-137	8.9754	0.89839	0.12500	0.22779	-1.0000
-147	0.1751	0.91939	0.13080	0.23620	-1.0000

ADDITIONAL PRESSURE RATIOS , EXHAUST INLET

AVD WPRD	PL	M / PN	M / PTF	M / PTP	X / PMAX
107	6.7317	0.67392	0.096033	0.17336	0.39800
112	6.7347	0.67432	0.096104	0.17349	0.43100
127	7.3714	0.73785	0.10516	0.18994	0.44900
127	8.5776	0.85788	0.12227	0.22072	0.48600
137	8.9754	0.89839	0.12500	0.22779	0.52200
147	0.1751	0.91939	0.13080	0.23620	0.58500
157	17.119	1.0120	0.14436	0.26060	1.0000
167	17.119	1.0120	0.14436	0.26060	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLIN

AVD WPRD	PL	M / PN	M / PTF	M / PTP	X / PMAX
157	17.119	1.0120	0.14436	0.26060	1.44300
167	17.119	1.0120	0.14436	0.26060	1.40500

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WPRD	PL	M / PN	M / PTF	M / PTP	X / PMAX
167	17.126	1.0136	0.14442	0.26073	0.79300
177	17.126	1.0136	0.14442	0.26073	1.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WPRD	PL	M / PN	M / PTF	M / PTP	X / PMAX
167	0.2251	0.92339	0.13160	0.23757	1.70300
187	6.5740	0.65821	0.107823	0.16027	0.84400

WAG-1-1415 PRELIMINARY DATA 06/14/79 CNDCEII REC 10/28/79, 07:00:19.661 FAC 07671 PGP 0034 RPL 1766

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	16.546	1.6520	0.23617	0.42557	0.43400
77	8.6849	0.86777	0.12399	0.22341	0.53300
67	11.047	1.1345	0.15819	0.28502	0.63100
57	11.717	1.1900	0.15775	0.28335	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	12.967	1.2847	0.19266	0.33007	0.42200
67	8.0719	0.80580	0.12806	0.23075	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	25.611	2.5572	0.36557	0.65869	0.50800
67	9.9471	0.98319	0.14055	0.25325	0.58300
57	10.167	1.0151	0.14512	0.26140	0.67000

ADDITIONAL PRESSURE RATIOS , EXHAUST SHROUD

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-127	6.7660	0.67555	0.096575	0.17401	-1.0000
-112	6.7310	0.67205	0.096075	0.17311	-1.0000
-127	7.3913	0.73698	0.10536	0.18986	-1.0000
-127	8.5049	0.85834	0.12271	0.22110	-1.0000
-137	9.8569	0.98431	0.12647	0.22779	-1.0000
-142	9.2123	0.91876	0.13140	0.23607	-1.0000

ADDITIONAL PRESSURE RATIOS , EXHAUST IMLET

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
137	6.7660	0.67555	0.096575	0.17401	0.29800
112	6.7310	0.67205	0.096075	0.17311	0.43100
127	7.3913	0.73698	0.10536	0.18986	0.44900
127	8.5049	0.85834	0.12271	0.22110	0.48600
127	9.8569	0.98431	0.12647	0.22779	0.52200
142	9.2123	0.91876	0.13140	0.23607	0.58800
157	10.137	1.0121	0.14465	0.26071	0.60700
157	10.147	1.0126	0.14476	0.26094	0.60900

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
157	10.137	1.0121	0.14465	0.26071	0.46300
157	10.147	1.0126	0.14476	0.26094	0.46500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
157	10.137	1.0121	0.14465	0.26071	0.79300
157	10.147	1.0121	0.14465	0.26071	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
157	9.2373	0.92226	0.13184	0.22756	0.79300
157	8.5752	0.85656	0.092861	0.16012	0.84400

WASP-1 FMS PRELIMINARY DATA 04/14/70 CANNETT PER 10/28/70 03:05:12.020 FAN AXAKI PCN C034 *Rev 30*
 PPG 1767

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORN	PI	M/PD	M/PTE	M/PTP	X/PMAX
37	14.193	1.4165	0.23632	0.42561	0.43400
77	7.6572	0.76438	0.12410	0.22356	0.53300
67	9.6922	0.96902	0.15916	0.29672	0.63100
57	9.4722	0.94802	0.15816	0.29672	0.72500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVD WORN	PI	M/PD	M/PTE	M/PTP	X/PMAX
17	10.996	1.0982	0.18722	0.32987	0.42200
17	7.6991	0.76786	0.17910	0.23061	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER R.O.

AVD WORN	PI	M/PD	M/PTE	M/PTP	X/PMAX
77	21.918	2.1790	0.26356	0.45442	0.50000
82	9.3622	0.93596	0.15609	0.28082	0.58300
92	10.152	1.0139	0.16016	0.30650	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.~~

AVD WORN	PI	M/PD	M/PTE	M/PTP	X/PMAX
-107	6.6095	0.66900	0.11161	0.23092	-1.0000
-117	6.6235	0.66151	0.11036	0.19867	-1.0000
-127	7.1633	0.71543	0.11536	0.21486	-1.0000
-127	8.4178	0.84072	0.14026	0.25240	-1.0000
-137	8.7727	0.86916	0.14501	0.26106	-1.0000
-147	9.0726	0.90610	0.15117	0.27213	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD IMPT

AVD WORN	PI	M/PD	M/PTE	M/PTP	X/PMAX
107	6.6095	0.66900	0.11161	0.20002	0.39000
117	6.6235	0.66151	0.11036	0.19867	0.43100
127	7.1633	0.71543	0.11536	0.21486	0.46900
127	8.4178	0.84072	0.14026	0.25240	0.46900
137	8.7727	0.86916	0.14501	0.26106	0.52200
147	9.0726	0.90610	0.15117	0.27213	0.58800
-107	6.6095	0.66900	0.11161	0.20002	-1.0000
-117	6.6235	0.66151	0.11036	0.19867	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN W771F F1AD

AVD WORN	PI	M/PD	M/PTE	M/PTP	X/PMAX
157	10.132	1.0110	0.16892	0.30390	0.46300
157	10.132	1.0110	0.16892	0.30390	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOOTING LOCATION

AVD WORN	PI	M/PD	M/PTE	M/PTP	X/PMAX
167	10.127	1.0114	0.16876	0.30375	0.79300
177	10.132	1.0110	0.16892	0.30390	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHOOTING LOCATION

AVD WORN	PI	M/PD	M/PTE	M/PTP	X/PMAX
187	9.2123	0.92007	0.15350	0.27672	0.79300
197	6.4935	0.64850	0.11157	0.20077	0.84400

NASA-Lewis PRELIMINARY DATA 06/14/70 CANNON PFC 10/28/79 03:10:00.003 FAC 076VI PCN 0034 PNC 1748

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	12.413	1.2405	0.23452	0.42521	0.43490
37	6.5436	0.65341	0.12462	0.22410	0.53300
47	4.1150	0.41112	0.15447	0.22444	0.63100
52	2.2549	0.22512	0.15732	0.22209	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	0.6325	0.6260	0.18354	0.33033	0.42200
67	0.7357	0.67312	0.12434	0.23078	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	19.137	1.9124	0.36444	0.65549	0.50000
82	9.1123	0.91061	0.17347	0.31221	0.58300
92	10.158	1.0151	0.19354	0.34803	0.67000

ADDITIONAL PRESSURE RATIOS, EXECTOR SURROUND

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	6.7157	0.67112	0.12786	0.23010	-1.0000
-117	6.6306	0.65941	0.12577	0.22615	-1.0000
-127	7.0363	0.70012	0.12340	0.24004	-1.0000
-137	8.3319	0.83262	0.15875	0.24547	-1.0000
-147	8.6320	0.86262	0.16447	0.24534	-1.0000
-157	9.7072	0.90011	0.17162	0.30861	-1.0000

ADDITIONAL PRESSURE RATIOS, EXECTOR INLET

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	6.7157	0.67112	0.12786	0.23010	0.30800
117	6.6306	0.65941	0.12577	0.22615	0.43100
127	7.0363	0.70012	0.12340	0.24004	0.44000
137	8.3319	0.83262	0.15875	0.24547	0.48400
147	8.6320	0.86262	0.16447	0.24534	0.52200
157	9.7072	0.90011	0.17162	0.30861	0.58000
-107	10.143	1.0136	0.19326	0.34751	-1.0000
-157	10.139	1.0131	0.19316	0.34734	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	10.143	1.0136	0.19326	0.34751	0.46300
157	10.139	1.0131	0.19316	0.34734	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	10.139	1.0131	0.19316	0.34734	0.79300
177	10.143	1.0136	0.19326	0.34751	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	9.1773	0.91711	0.17486	0.31444	0.79300
197	6.6237	0.66462	0.12748	0.22924	0.84400

WALS-1 FMS PRELIMINARY DATA W/14/79 CAMFII REC 10/20/79 02:11:21.152

WAL REARL PCN 0036 Run 30 PNC 1760

ADDITIONAL PRESSURE RATIOS , PRIMARY PIUG

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/PMAX
77	10.614	1.3602	0.23666	0.42660	0.43600
77	5.4197	0.56045	0.12593	0.22644	0.53300
47	7.1255	0.71177	0.15075	0.20508	0.63100
52	7.7333	0.77410	0.17267	0.21005	0.72500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/PMAX
62	8.2651	0.82560	0.10413	0.33065	0.62700
67	5.7657	0.57596	0.12845	0.23066	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/PMAX
77	16.468	1.6468	0.36687	0.65878	0.50000
82	9.5744	0.95670	0.21333	0.39307	0.58300
82	10.149	1.0139	0.22611	0.40601	0.67000

ADDITIONAL PRESSURE RATIOS , FAN FLOW CURVE

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/PMAX
-107	6.5756	0.65683	0.14072	0.26706	-1.0000
-117	6.5906	0.65836	0.14683	0.26366	-1.0000
-127	6.2456	0.62456	0.15518	0.27866	-1.0000
-127	8.2001	0.82001	0.18469	0.33165	-1.0000
-137	8.5803	0.85803	0.19115	0.34324	-1.0000
-142	8.7698	0.87698	0.19983	0.35886	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN EFFICIENCY

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/PMAX
107	6.5756	0.65683	0.14072	0.26706	0.39000
112	6.5906	0.65836	0.14683	0.26366	0.47100
122	6.2456	0.62456	0.15518	0.27866	0.64900
127	8.2001	0.82001	0.18469	0.33165	0.40601
137	8.5803	0.85803	0.19115	0.34324	0.52200
142	8.7698	0.87698	0.19983	0.35886	0.58000
142	10.149	1.0139	0.22611	0.40601	1.0000
142	12.119	1.0139	0.22611	0.40601	1.0000

ADDITIONAL PRESSURE RATIOS , FAN MOTTIE FLAP

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/PMAX
152	10.124	1.0112	0.22555	0.40501	0.46300
157	10.119	1.0109	0.22544	0.40481	0.40500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/PMAX
167	10.124	1.0112	0.22555	0.40501	0.79300
172	10.119	1.0109	0.22544	0.40481	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/PMAX
187	0.1366	0.91765	0.20662	0.26762	0.79300
187	0.2236	0.69731	0.15518	0.27274	0.84400

Rev. 30
DEC 1979

DEC 10/28/79 07:12:11.764

PCN C334

FAC 00001

CINOTII

06/14/79
SAC/STANDARD PRESSURE RATINGS, EQUIPMENT 0116

AVC	WTR	PI	W/PM	W/PTF	PI/PTB	W/PMAX
17	9.330	0.810	0.2102	0.42471	0.42471	0.42471
17	9.330	0.810	0.2102	0.42471	0.42471	0.42471
47	9.330	0.810	0.2102	0.42471	0.42471	0.42471
52	9.330	0.810	0.2102	0.42471	0.42471	0.42471

> ADDITIONAL PRESSURE RATINGS, EQUIPMENT 1.0.

AVC	WTR	PI	W/PM	W/PTF	PI/PTB	W/PMAX
67	6.5199	0.65153	0.18562	0.33275	0.33275	0.33275
67	7.4025	0.74057	0.21386	0.38323	0.38323	0.38323

> ADDITIONAL PRESSURE RATINGS, EQUIPMENT 2.0.

AVC	WTR	PI	W/PM	W/PTF	PI/PTB	W/PMAX
77	12.160	1.21670	0.34667	0.65731	0.65731	0.65731
82	16.505	1.6519	0.64776	0.83852	0.83852	0.83852
92	19.134	1.9146	0.74504	0.91817	0.91817	0.91817

> ADDITIONAL PRESSURE RATINGS, EQUIPMENT 3.0.

AVC	WTR	PI	W/PM	W/PTF	PI/PTB	W/PMAX
107	6.5199	0.65153	0.18562	0.33275	0.33275	0.33275
117	6.5199	0.65153	0.18562	0.33275	0.33275	0.33275
127	7.1647	0.71647	0.21429	0.36421	0.36421	0.36421
137	8.3693	0.83693	0.25450	0.42471	0.42471	0.42471
147	9.330	0.9330	0.28504	0.47471	0.47471	0.47471
152	9.330	0.9330	0.28504	0.47471	0.47471	0.47471

> ADDITIONAL PRESSURE RATINGS, EQUIPMENT 4.0.

AVC	WTR	PI	W/PM	W/PTF	PI/PTB	W/PMAX
107	6.5199	0.65153	0.18562	0.33275	0.33275	0.33275
117	6.5199	0.65153	0.18562	0.33275	0.33275	0.33275
127	7.1647	0.71647	0.21429	0.36421	0.36421	0.36421
137	8.3693	0.83693	0.25450	0.42471	0.42471	0.42471
147	9.330	0.9330	0.28504	0.47471	0.47471	0.47471
152	9.330	0.9330	0.28504	0.47471	0.47471	0.47471

> ADDITIONAL PRESSURE RATINGS, EQUIPMENT 5.0.

AVC	WTR	PI	W/PM	W/PTF	PI/PTB	W/PMAX
107	10.109	1.0116	0.28504	0.51664	0.51664	0.51664
117	13.109	1.3116	0.38504	0.51664	0.51664	0.51664

> ADDITIONAL PRESSURE RATINGS, EQUIPMENT 6.0.

AVC	WTR	PI	W/PM	W/PTF	PI/PTB	W/PMAX
107	13.109	1.3116	0.38504	0.51664	0.51664	0.51664
117	13.109	1.3116	0.38504	0.51664	0.51664	0.51664

> ADDITIONAL PRESSURE RATINGS, EQUIPMENT 7.0.

AVC	WTR	PI	W/PM	W/PTF	PI/PTB	W/PMAX
107	0.1744	0.1744	0.00000	0.00000	0.00000	0.00000
117	0.1744	0.1744	0.00000	0.00000	0.00000	0.00000

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DOH PASF FACTORY 4477E (UNDEF C)

FROM WASHINGTON
TO THE PRESIDENT
BY AIR MAIL

SP117 PLIN 1067047F03
156200PZ SP117VFP
SHOOT FIAP
21 DEC
1944

POG	MO	MTG/MTG	PC/PC	STP/STP	OMEGA	PRC/PRC	CNF	CNP	CFI	ETAL ETAL	IMT	CFPI	CFP2	FO
1752	2.005	2.19	3.49	1.40	0.000	0.207	0.966	1.002	0.2595	0.7495	0.7495	0.7495	0.7710	000000
1753	2.006	2.21	6.51	2.26	0.000	0.224	0.965	0.979	0.0135	0.0135	0.0137	0.0197	0.0210	000000
1754	2.005	2.71	5.24	2.37	0.000	0.193	0.965	0.980	0.0408	0.0408	0.0408	0.0538	0.0556	000000
1755	2.005	3.19	6.08	3.19	0.000	0.146	0.966	0.991	0.0761	0.0761	0.0763	0.0913	0.0916	000000
1756	2.005	2.19	6.09	3.19	0.000	0.146	0.966	0.993	0.0825	0.0825	0.0828	0.0968	0.0973	000000
1757	2.005	2.19	7.00	3.20	0.000	0.146	0.968	0.993	0.0838	0.0838	0.0872	0.0997	0.0995	000000
1758	2.004	2.72	4.99	2.70	0.001	0.165	0.967	0.994	0.0788	0.0788	0.0798	0.0938	0.0945	000000
1759	2.005	2.21	6.24	2.27	0.001	0.193	0.966	0.994	0.0876	0.0876	0.0876	0.0957	0.0954	000000
1760	2.005	2.21	6.45	2.03	0.000	0.226	0.966	0.991	0.0144	0.0144	0.0166	0.0296	0.0300	000000
1761	2.005	3.17	3.49	1.61	0.000	0.209	0.966	0.997	0.0333	0.0333	0.0336	0.0476	0.0477	000000
1762	2.005	7.14	6.08	1.76	0.001	0.146	0.966	0.992	0.0768	0.0768	0.0768	0.0899	0.0899	000000
1763	2.005	1.99	3.59	1.29	0.000	0.209	0.966	0.993	0.0820	0.0820	0.0820	0.0952	0.0953	000000
1764	2.005	1.99	6.51	2.27	0.001	0.224	0.965	0.991	0.0806	0.0806	0.0806	0.0936	0.0936	000000
1765	2.005	1.97	5.24	2.66	0.000	0.193	0.965	0.977	0.0835	0.0835	0.0867	0.0997	0.0998	000000
1766	2.005	1.96	6.01	3.06	0.000	0.146	0.966	0.992	0.0892	0.0892	0.0931	0.0941	0.0946	000000
1767	2.005	1.99	6.99	3.62	0.003	0.146	0.969	0.994	0.0120	0.0120	0.0152	0.0455	0.0455	000000
1768	2.005	1.98	6.08	3.53	0.000	0.145	0.971	0.996	0.0428	0.0428	0.0461	0.0908	0.0913	000000
1769	2.005	1.95	6.00	3.07	0.001	0.165	0.964	0.992	0.0899	0.0899	0.0909	0.0998	0.0993	000000
1770	2.005	1.97	5.24	2.68	0.000	0.193	0.965	0.991	0.0848	0.0848	0.0858	0.0906	0.0913	000000
1771	2.006	1.99	6.25	2.16	0.002	0.209	0.966	0.979	0.0788	0.0788	0.0788	0.0867	0.0867	000000
1772	2.005	1.95	3.45	1.79	0.003	0.209	0.966	0.993	0.0821	0.0821	0.0821	0.0909	0.0909	000000
1773	2.005	1.95	3.45	1.79	0.003	0.209	0.966	0.993	0.0821	0.0821	0.0821	0.0909	0.0909	000000
1774	2.005	1.96	3.50	1.79	0.000	0.209	0.966	0.991	0.0795	0.0795	0.0795	0.0873	0.0873	000000
1775	2.006	1.96	3.49	1.79	0.000	0.209	0.966	0.991	0.0792	0.0792	0.0796	0.0864	0.0864	000000
1776	2.005	1.97	3.49	1.53	0.003	0.209	0.967	0.979	0.0738	0.0738	0.0738	0.0816	0.0816	000000
1777	2.005	1.91	4.5	1.53	0.001	0.224	0.966	0.991	0.0806	0.0806	0.0806	0.0936	0.0936	000000
1778	2.006	1.93	5.24	2.97	0.000	0.193	0.965	0.992	0.0831	0.0831	0.0874	0.0998	0.0996	000000
1779	2.006	1.93	6.02	3.26	0.000	0.146	0.966	0.992	0.0872	0.0872	0.0906	0.0998	0.0993	000000
1780	2.006	1.91	4.91	3.26	0.000	0.146	0.967	0.993	0.0815	0.0815	0.0845	0.0915	0.0927	000000
1781	2.005	1.91	7.01	3.08	0.001	0.165	0.965	0.994	0.0788	0.0788	0.0788	0.0867	0.0867	000000
1782	2.005	1.93	6.97	3.08	0.000	0.165	0.965	0.994	0.0788	0.0788	0.0788	0.0867	0.0867	000000
1783	2.005	1.93	5.98	3.24	0.000	0.170	0.970	0.997	0.0815	0.0815	0.0852	0.0952	0.0954	000000
1784	2.006	1.93	4.23	3.24	0.000	0.170	0.967	0.991	0.0764	0.0764	0.0768	0.0844	0.0844	000000
1785	2.005	1.91	4.40	2.60	0.000	0.226	0.966	0.993	0.0858	0.0858	0.0858	0.0933	0.0933	000000
1786	2.005	1.91	3.40	1.95	0.000	0.209	0.966	0.992	0.0765	0.0765	0.0765	0.0843	0.0843	000000

Run 31

MASS-FLOW RATE ESTIMATION DATA 7/14/79 CANNETT PFC 10/27/79 04:02:34.006 FAN 00401 PGP 0014 WPC 1752

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/PMAX
77	6.8567	0.58144	0.19547	0.47896	0.62400
77	9.7377	0.86780	0.26803	0.56260	0.53303
47	0.9080	0.89543	0.25207	0.55640	0.63107
52	9.2803	0.82320	0.26476	0.57828	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER F.O.

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/PMAX
67	5.3946	0.53614	0.15376	0.33503	0.62200
67	9.7132	0.81626	0.22609	0.51129	0.67600

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER F.O.

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/PMAX
77	13.012	1.2032	0.27006	0.81001	0.50803
82	16.969	1.6863	0.48387	1.0563	0.58200
92	10.205	1.0142	0.29086	0.63528	0.67803

ADDITIONAL PRESSURE RATIOS, EXHAUST CHAMBER

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/PMAX
-177	6.7615	0.67109	0.19272	0.42092	-1.0000
-117	6.7615	0.67109	0.19272	0.42092	-1.0000
-127	7.3873	0.73873	0.21055	0.45987	-1.0000
-127	8.5786	0.85786	0.24451	0.52607	-1.0000
-127	8.8238	0.88238	0.25150	0.54930	-1.0000
-147	9.7397	0.97397	0.26248	0.57329	-1.0000

ADDITIONAL PRESSURE RATIOS, EXHAUST INLET

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/PMAX
107	6.7615	0.67109	0.19272	0.42092	0.29803
117	6.7615	0.67109	0.19272	0.42092	0.43100
127	7.3873	0.73873	0.21055	0.45987	0.44900
127	8.5786	0.85786	0.24451	0.52607	0.46000
127	8.8238	0.88238	0.25150	0.54930	0.52700
147	9.7397	0.97397	0.26248	0.57329	0.58800
147	10.175	1.0175	0.26993	0.63341	0.60000
157	10.175	1.0175	0.26993	0.63341	0.60000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLOW

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/PMAX
157	13.175	1.0112	0.27001	0.63341	0.44303
157	13.175	1.0112	0.27001	0.63341	0.44503

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOWN LOCATION

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/PMAX
157	10.175	1.0112	0.27001	0.63341	0.79303
177	10.175	1.0112	0.27001	0.63341	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHOWN LOCATION

AVD WORN	PI	PI/PN	PI/PTE	PI/PTP	X/PMAX
187	9.2803	0.82320	0.26476	0.57828	0.79303
187	9.2803	0.82320	0.26476	0.57828	0.84400

Run 31

MESEA-LEWIS DDCI PRIMARY DATA 10/14/79 CADDREII PFC 10/28/79 04:55:11.121 FSC RV4X1 PCW C014 PNC 1755

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	11.746	1.1651	0.19427	0.42487	0.43403
77	6.1999	0.61471	0.19237	0.22290	0.53300
47	7.8722	0.78380	0.19212	0.28675	0.63100
53	11.731	1.1140	0.19574	0.40823	0.72500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
42	0.1296	0.92552	0.15097	0.33020	0.42200
47	6.3752	0.63239	0.10544	0.23060	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	27.155	2.1977	0.36641	0.83130	0.50800
82	9.3749	0.93035	0.15511	0.33925	0.58300
83	10.235	1.0152	0.16527	0.37020	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR DISCHARGE~~

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
-107	6.8108	0.67560	0.11206	0.24636	-1.0000
-112	6.7757	0.67212	0.11206	0.24509	-1.0000
-122	7.3966	0.73371	0.12272	0.26755	-1.0000
-127	8.6221	0.85537	0.16261	0.31191	-1.0000
-137	9.8986	0.98169	0.16709	0.32151	-1.0000
-147	0.2387	0.01644	0.15270	0.33618	-1.0000

ADDITIONAL PRESSURE RATIOS , ENGINE INLET

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
137	6.8138	0.67560	0.11264	0.24636	0.39800
112	6.7757	0.67212	0.11206	0.24509	0.43100
122	7.3966	0.73371	0.12272	0.26755	0.44900
127	8.6221	0.85537	0.16261	0.31191	0.48600
137	9.8986	0.98169	0.16709	0.32151	0.52200
147	0.2387	0.01644	0.15270	0.33618	0.58800
-152	10.200	1.0118	0.16869	0.36896	1.0000
-157	13.105	1.0113	0.16869	0.36896	1.0000

ADDITIONAL PRESSURE RATIOS , FAN MOTOR FLAP

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
157	10.233	1.0118	0.16869	0.36896	0.46300
157	13.105	1.0113	0.16869	0.36896	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
167	13.233	1.0118	0.16869	0.36896	0.79300
172	13.233	1.0118	0.16869	0.36896	0.84600

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVG WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
182	0.2888	0.92141	0.15262	0.33599	0.79300
187	6.5336	0.66267	0.11057	0.26165	0.84600

Run 31

WATER-FLUID OPERATING DATA 04/14/70 1200000 100 10/24/70 04:37:51.972 FAN 00001 PGM 0336 000 1756

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTD	V/PMAX
77	13.665	1.3580	0.10427	0.42540	0.43400
87	7.1058	0.71411	0.10218	0.22374	0.53300
67	9.1578	0.91067	0.17010	0.28514	0.43100
52	17.595	1.2514	0.17506	0.34216	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTD	V/PMAX
67	10.614	1.3548	0.15082	0.27048	0.42200
67	7.4161	0.71608	0.17463	0.23091	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTD	V/PMAX
77	25.927	2.5766	0.26860	0.20729	0.50000
82	9.9683	0.99060	0.14029	0.30727	0.58300
92	10.214	1.0150	0.14520	0.21802	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTD	V/PMAX
-107	6.9776	0.67580	0.006630	0.21174	-1.0000
-117	6.9176	0.67680	0.006821	0.21205	-1.0000
-127	7.4761	0.74226	0.10429	0.23278	-1.0000
-127	8.6923	0.86203	0.12363	0.27034	-1.0000
-137	8.9376	0.88810	0.12706	0.27829	-1.0000
-147	9.2779	0.92201	0.17150	0.29888	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTD	V/PMAX
107	6.9776	0.67580	0.006630	0.21174	0.39000
117	6.9176	0.67680	0.006821	0.21205	0.43100
127	7.4761	0.74226	0.10429	0.23278	0.44900
127	8.6923	0.86203	0.12363	0.27034	0.48400
137	8.9376	0.88810	0.12706	0.27829	0.52700
147	9.2779	0.92201	0.17150	0.29888	0.58000
157	10.180	1.0135	0.14685	0.21724	0.64000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTD	V/PMAX
157	10.180	1.0130	0.14685	0.21724	0.64000
157	10.180	1.0125	0.14685	0.21724	0.64000

ADDITIONAL PRESSURE RATIOS , 90 DEG TURNING LOCATION

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTD	V/PMAX
147	10.180	1.0125	0.14685	0.21724	0.70300
177	10.180	1.0125	0.14685	0.21724	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG TURNING LOCATION

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTD	V/PMAX
187	9.2779	0.92201	0.17150	0.29888	0.70300
197	6.9776	0.67580	0.006630	0.21174	0.84400

RUN 31

MESS-1 (415) PRELIMINARY DATA 11/14/79 TADDF11 REC 10/24/79 04:30:21.799 FAC 00001 PGM 0004 PRC 1757

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WORD	PI	PI / PO	PI / PTF	PI / PTP	X / MAX
22	13.731	1.7623	0.17455	0.47830	1.43403
27	7.2173	0.71605	0.10238	0.22371	0.53303
57	9.1965	0.91625	0.17056	0.28527	1.63100
52	12.572	1.2501	0.17852	0.30036	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVG WORD	PI	PI / PO	PI / PTF	PI / PTP	X / MAX
62	10.630	1.0578	0.15106	0.33008	1.42200
67	7.6453	1.76031	0.13572	0.23100	1.67003

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVG WORD	PI	PI / PO	PI / PTF	PI / PTP	X / MAX
77	25.911	2.5764	0.26792	0.80392	0.50800
82	9.9890	0.98331	0.14042	0.30682	0.58300
87	10.219	1.0161	0.14510	0.31704	0.67000

ADDITIONAL PRESSURE RATIOS, CIRCULAR SHROUDED

AVG WORD	PI	PI / PO	PI / PTF	PI / PTP	X / MAX
-107	6.8104	0.67710	0.096704	0.21130	-1.0000
-112	6.8704	0.67818	0.096849	0.21161	-1.0000
-122	7.4072	0.74679	0.10636	0.23240	-1.0000
-127	8.5848	0.86356	0.12332	0.26946	-1.3300
-137	8.8206	0.88791	0.12690	0.27704	-1.0000
-142	9.2704	0.92269	0.13177	0.28751	-1.0000

ADDITIONAL PRESSURE RATIOS, SPHERICAL IMPLY

AVG WORD	PI	PI / PO	PI / PTF	PI / PTP	X / MAX
107	6.8104	0.67710	0.096704	0.21130	0.39800
112	6.8704	0.67818	0.096849	0.21161	0.43100
122	7.4072	0.74679	0.10636	0.23240	0.46900
127	8.5848	0.86356	0.12332	0.26946	0.6600
137	8.8206	0.88791	0.12690	0.27704	0.52200
142	9.2704	0.92269	0.13177	0.28751	0.58800
152	10.104	1.0136	0.14475	0.31628	1.0000
157	10.189	1.0131	0.14468	0.31613	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLOW

AVG WORD	PI	PI / PO	PI / PTF	PI / PTP	X / MAX
152	10.104	1.0136	0.14475	0.31628	0.46300
157	10.189	1.0131	0.14468	0.31613	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUDED POSITION

AVG WORD	PI	PI / PO	PI / PTF	PI / PTP	X / MAX
157	10.194	1.0136	0.14475	0.31628	0.79300
172	10.189	1.0131	0.14468	0.31613	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUDED POSITION

AVG WORD	PI	PI / PO	PI / PTF	PI / PTP	X / MAX
182	9.7996	0.97468	0.13205	0.28852	0.75200
187	9.7204	0.96874	0.095409	0.20867	0.84400

SECONDARY PRESSURE RATINGS - PRIMARY PILE

AVG WIND	PI	PI/PN	PI/PTE	PI/PDP	X/DMAX
77	11.700	1.1637	0.10424	0.43060	1.42407
77	6.1457	0.61307	0.10756	0.27710	0.43300
67	7.8103	0.76277	0.13072	0.28052	0.63100
52	11.210	1.1132	0.14091	0.41100	3.72003

SECONDARY PRESSURE RATINGS - FLOW SPILLER T.O.

AVG WIND	PI	PI/PN	PI/PTE	PI/PDP	X/DMAX
52	9.1943	0.93330	0.15086	0.33426	3.42200
67	6.1513	0.61134	0.10444	0.23361	0.67000

SECONDARY PRESSURE RATINGS - FLOW SPILLER C.D.

AVG WIND	PI	PI/PN	PI/PTE	PI/PDP	X/DMAX
77	22.045	2.1897	0.26461	0.91003	3.50003
77	9.3806	0.93150	0.15550	0.24470	0.58300
07	10.210	1.0130	0.16534	0.34517	0.67000

SECONDARY PRESSURE RATINGS - FLOW SPILLER C.D.

AVG WIND	PI	PI/PN	PI/PTE	PI/PDP	X/DMAX
-107	6.7885	0.67353	0.11260	0.24022	-1.00000
-117	6.7545	0.67050	0.11100	0.24012	-1.00000
-127	7.6730	0.73650	0.12260	0.27101	-1.00000
-137	6.6302	0.65715	0.14315	0.31714	-1.00000
-147	9.4803	0.94196	0.16730	0.37640	-1.00000
-152	9.7206	0.96150	0.16730	0.37640	-1.00000

SECONDARY PRESSURE RATINGS - FLOW SPILLER C.D.

AVG WIND	PI	PI/PN	PI/PTE	PI/PDP	X/DMAX
137	6.7485	0.67353	0.11260	0.24022	0.34000
112	6.7545	0.67050	0.11100	0.24012	0.43100
127	7.6730	0.73650	0.12260	0.27101	0.44000
127	6.6302	0.65715	0.14315	0.31714	0.44000
137	9.4803	0.94196	0.16730	0.37640	0.52200
147	9.7206	0.96150	0.16730	0.37640	0.52200
-152	10.100	1.0100	0.16730	0.37640	0.52200
-152	10.100	1.0100	0.16730	0.37640	0.52200

SECONDARY PRESSURE RATINGS - FAN NOZZLE FLAP

AVG WIND	PI	PI/PN	PI/PTE	PI/PDP	X/DMAX
137	10.146	1.0100	0.16730	0.37640	0.44300
137	13.100	1.3100	0.16730	0.37640	0.44300

SECONDARY PRESSURE RATINGS - 20 DEG SURROUND INCLINATION

AVG WIND	PI	PI/PN	PI/PTE	PI/PDP	X/DMAX
137	13.146	1.3100	0.16730	0.37640	0.70300
137	13.146	1.3100	0.16730	0.37640	0.70300

SECONDARY PRESSURE RATINGS - 40 DEG SURROUND INCLINATION

AVG WIND	PI	PI/PN	PI/PTE	PI/PDP	X/DMAX
137	9.2746	0.92017	0.15740	0.24040	0.70300
137	6.6746	0.66741	0.11260	0.24040	0.70300

RUN 31

MASS-1000S PRELIMINARY DATA 36/14/79 CARROLL WFC 13028/75 06:10:10.503 FAF 00401 PGM 0074 PPG 1759

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WPRD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
77	10.151	1.1371	0.10214	0.42505	0.43400
77	5.3675	0.51212	0.10152	0.22459	0.52300
67	6.9296	0.67757	0.10029	0.28598	0.63100
57	9.7608	0.96837	0.18476	0.40871	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WPRD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
67	7.9102	0.79478	0.14973	0.23127	0.42200
17	5.5237	0.56901	0.10454	0.23129	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WPRD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
77	10.283	1.0131	0.26501	0.80746	0.50800
87	9.1756	0.91732	0.17369	0.38421	0.58300
92	10.271	1.0140	0.19347	0.42709	0.67000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR

AVD WPRD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
-177	6.7796	0.67261	0.12833	0.28386	-1.0000
-117	6.7196	0.66665	0.12719	0.28137	-1.0000
-127	7.2749	0.72175	0.13770	0.30462	-1.0000
-127	8.5554	0.86879	0.16194	0.35824	-1.0000
-137	8.9355	0.87658	0.16724	0.36997	-1.0000
-147	9.1936	0.91782	0.17378	0.38462	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR IMPLY

AVD WPRD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
177	6.7796	0.67261	0.12833	0.28386	0.39800
117	6.7196	0.66665	0.12719	0.28137	0.43100
127	7.2749	0.72175	0.13770	0.30462	0.44900
127	8.5554	0.86879	0.16194	0.35824	0.48600
137	8.9355	0.87658	0.16724	0.36997	0.52200
147	9.1936	0.91782	0.17378	0.38462	0.58800
157	10.271	1.0140	0.19347	0.42709	0.67000
157	10.271	1.0140	0.19347	0.42709	0.67000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLAP

AVD WPRD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
157	10.271	1.0129	0.19309	0.42714	0.46300
157	10.196	1.0115	0.19295	0.42693	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WPRD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
177	10.201	1.1123	0.10209	0.42714	0.79300
177	10.201	1.1120	0.15209	0.42714	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WPRD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
177	9.3357	0.72322	0.17614	0.38966	0.79300
177	6.9747	0.68276	0.13013	0.28786	0.84400

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Run 21

DATA-LOGIC OPER. PRIMARY DATA 06/14/79 CANNETTE REC 10/29/79 04:10:50.972 CAP 04541 PGM 0936 PPG 1763

ADDITIONAL PRESSURE RATIOS , PRIMARY MISC.

AVD WOPN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
33	8.7155	0.94622	0.19287	0.42611	1.43403
37	4.6609	0.46374	0.17314	0.22799	1.53309
47	9.1051	1.41353	0.18113	0.40018	0.62100
52	8.3332	1.92406	0.18267	0.43581	1.72903

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.D.

AVD WOPN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
62	6.8187	0.67773	0.15089	0.33337	0.42200
67	4.7260	0.46971	0.19458	0.23106	1.67033

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER R.D.

AVD WOPN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	16.594	1.6482	0.36699	0.81079	0.50900
82	9.9515	0.99995	0.22022	0.48854	0.58309
87	10.202	1.0139	0.22575	0.49877	0.67003

ADDITIONAL PRESSURE RATIOS , EJECTION SUBORN

AVD WOPN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
-107	6.7787	0.67372	0.15000	0.33142	-1.0000
-112	6.7697	0.67272	0.14678	0.33093	-1.0000
-127	7.3943	0.73491	0.16263	0.36152	-1.0000
-127	8.6205	0.85677	0.19076	0.42146	-1.0000
-137	8.6205	0.85677	0.19076	0.42146	-1.0000
-142	9.2660	0.92093	0.20505	0.45332	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WOPN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	6.7787	0.67372	0.15000	0.33142	0.39800
112	6.7697	0.67272	0.14678	0.33093	0.43100
127	7.3943	0.73491	0.16263	0.36152	0.44907
127	8.6205	0.85677	0.19076	0.42146	0.48600
137	8.6205	0.85677	0.19076	0.42146	0.52200
142	9.2660	0.92093	0.20505	0.45332	0.58900
-157	10.182	1.0110	0.22531	0.49779	1.0000
-167	10.182	1.0110	0.22531	0.49779	1.0000

ADDITIONAL PRESSURE RATIOS , FAN MOTOR FLAP

AVD WOPN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
157	10.182	1.0110	0.22531	0.49779	0.46300
167	10.182	1.0110	0.22531	0.49779	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
177	10.177	1.0114	0.22529	0.49754	0.79300
177	10.182	1.0110	0.22531	0.49779	0.94400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WOPN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
187	9.2813	0.92262	0.22528	0.45276	0.79300
187	6.6726	0.66327	0.14768	0.22628	1.84403

Run 31

NASA-JFWIS PRELIMINARY DATA 06/14/70 C/NDREI PFC 10/28/70 06:11:54.522 FAC 8X4V1 PGM C034 ORC 1761

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	6.8951	0.64461	0.19559	0.42532	0.47403
77	8.7308	0.86711	0.24766	0.53855	0.53330
67	8.8658	0.88052	0.25140	0.54689	0.63100
57	9.2408	0.91777	0.26213	0.57007	0.72903

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	5.4702	0.57922	0.15401	0.33400	0.42200
67	8.1606	0.81069	0.22149	0.50338	0.47909

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.000	1.2002	0.36860	0.80131	0.50800
87	16.866	1.6769	0.47826	1.0402	0.58300
97	10.211	1.0141	0.28965	0.62985	0.67000

~~ADDITIONAL PRESSURE RATIOS, EJECTOR CHECKS~~

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-177	6.7651	0.67189	0.19189	0.41730	-1.0000
-112	6.7401	0.66940	0.19119	0.41576	-1.0000
-122	7.4056	0.73568	0.21006	0.45680	-1.0000
-127	8.5907	0.85321	0.26769	0.52992	-1.0000
-137	8.8658	0.88052	0.25140	0.54689	-1.0000
-162	9.2308	0.91678	0.26185	0.56940	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTOR IMPT

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	6.7651	0.67189	0.19189	0.41730	0.39800
112	6.7401	0.66940	0.19119	0.41576	0.43103
122	7.4056	0.73568	0.21006	0.45680	0.44900
127	8.5907	0.85321	0.26769	0.52992	0.48403
137	8.8658	0.88052	0.25140	0.54689	0.52700
162	9.2308	0.91678	0.26185	0.56940	0.58803
-162	10.101	1.0111	0.28889	0.62800	1.0000
-167	10.101	1.0111	0.28889	0.62800	1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLOW

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	10.101	1.0111	0.28889	0.62800	0.46303
157	10.101	1.0111	0.28889	0.62800	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOCK LOCATION

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	10.101	1.0111	0.28889	0.62800	0.79300
177	10.101	1.0111	0.28889	0.62800	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHOCK LOCATION

AVN WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	9.3779	0.93772	0.26783	0.57372	0.79300
197	6.9152	0.69679	0.19616	0.42656	0.84403

RUN 31

WASH-1000 PRELIMINARY DATA 06/14/70 CRODIF1 PER 10/28/75 04:14:16.017 FAC 98671 PGM C934 ARC 1762

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVG WDPN	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
12	11.730	1.1651	0.19474	0.42542	0.43400
37	6.1928	0.61507	0.10260	0.22459	0.53700
47	7.4700	0.74255	0.13053	0.29574	0.63100
57	11.710	1.1134	0.18572	0.42456	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED 1.0.

AVG WDPN	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
62	9.1347	0.90427	0.15084	0.33010	0.42200
67	6.3629	0.63197	0.10541	0.23076	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED 0.0.

AVG WDPN	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
77	22.118	2.1268	0.26643	0.60214	0.50800
82	9.3898	0.93259	0.15554	0.34053	0.58300
92	10.720	1.0151	0.16031	0.37044	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTION THROUGH

AVG WDPN	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
-107	6.7973	0.67471	0.11254	0.24637	-1.0000
-112	6.7633	0.67173	0.11205	0.24528	-1.0000
-122	7.3987	0.73486	0.12257	0.26833	-1.0000
-137	8.6244	0.85658	0.14288	0.31278	-1.0000
-137	8.8746	0.88361	0.14736	0.32257	-1.0000
-147	9.2447	0.91819	0.15316	0.33527	-1.0000

ADDITIONAL PRESSURE RATIOS , ENDORNEY INLET

AVG WDPN	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
107	6.7973	0.67471	0.11254	0.24637	0.39800
112	6.7633	0.67173	0.11205	0.24528	0.43100
122	7.3987	0.73486	0.12257	0.26833	0.44900
127	8.6244	0.85658	0.14288	0.31278	0.48600
137	8.8746	0.88361	0.14736	0.32257	0.52200
147	9.2447	0.91819	0.15316	0.33527	0.58000
-152	10.100	1.0121	0.16002	0.34054	1.0000
-157	10.100	1.0121	0.16002	0.34054	1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FIELD

AVG WDPN	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
152	10.100	1.0121	0.16002	0.34054	0.46300
157	10.100	1.0121	0.16002	0.34054	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG CIRCUM LOCATION

AVG WDPN	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
167	10.105	1.0126	0.16002	0.34074	0.79300
172	10.100	1.0121	0.16002	0.34056	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG CIRCUM LOCATION

AVG WDPN	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
182	9.2947	0.92215	0.15495	0.33700	0.79300
187	6.6032	0.66477	0.11080	0.24274	0.84400

ADJ 51

NACA-Lewis PRELIMINARY DATA 06/14/70 CANCELL PER 10/28/70 C4:16:32.75H EAC RX6E1 PG# 0934 PPG 1763

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	7.7051	0.76457	0.71882	0.42424	0.43400
77	9.7658	0.96976	0.76872	0.48696	0.53303
67	8.7407	0.86728	0.74801	0.48255	0.63100
57	8.9108	0.88415	0.75282	0.49296	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
67	8.0527	0.49066	0.17177	0.23490	0.42200
67	8.5807	0.85139	0.26246	0.47470	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	12.992	1.2891	0.76863	0.71874	0.50800
87	16.937	1.6805	0.48055	0.63606	0.58200
97	10.221	1.0142	0.29002	0.56547	0.67900

ADDITIONAL PRESSURE RATIOS , EXHAUST SUBSONIC

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	6.7744	0.67217	0.19221	0.37477	-1.0000
-117	6.7343	0.66810	0.19108	0.37255	-1.0000
-127	7.3548	0.72976	0.29868	0.40688	-1.0000
-127	8.5757	0.85900	0.26332	0.47442	-1.0000
-127	8.8558	0.87865	0.25127	0.48992	-1.3000
-147	9.2160	0.91443	0.26140	0.50985	-1.7000

ADDITIONAL PRESSURE RATIOS , EXHAUST INLET

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	6.7744	0.67217	0.19221	0.37477	1.35800
117	6.7343	0.66810	0.19108	0.37255	0.43100
127	7.3548	0.72976	0.29868	0.40688	0.44900
127	8.5757	0.85900	0.26332	0.47442	1.68600
127	8.8558	0.87865	0.25127	0.48992	0.52200
147	9.2160	0.91443	0.26140	0.50985	0.58900
-157	10.106	1.0117	0.28031	0.56408	-1.0000
-157	10.191	1.0112	0.28017	0.56391	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
157	10.106	1.0117	0.28031	0.56408	0.46300
157	10.191	1.0112	0.28017	0.56391	0.49500

ADDITIONAL PRESSURE RATIOS , NO DEG SIMON LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	10.191	1.0112	0.28017	0.56391	0.79300
177	10.196	1.0107	0.28093	0.56253	0.84400

ADDITIONAL PRESSURE RATIOS , NO DEG SIMON LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	9.2060	0.92227	0.26576	0.51427	0.79300
187	8.8745	0.88370	0.25526	0.50806	0.84400

RUN 31

WAGS-1000 PRELIMINARY DATA 06/14/79 CADD011 REC 10/20/79 04:17:56.007 FAC 00001 PGM 0004 ORG 1764

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
17	0.7335	1.06655	0.21431	0.42553	1.43403
27	0.1413	0.51054	0.11320	0.22477	0.52500
47	0.5274	1.64017	1.16304	0.28500	0.63100
52	0.4335	1.03377	0.20704	0.41113	1.72973

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
52	7.5870	1.75349	0.16707	0.23172	1.42200
67	0.2764	0.52306	0.11610	0.22267	1.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER R.O.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	16.407	1.6491	0.16565	0.72402	1.50000
82	9.7735	0.97052	0.21519	0.42729	0.58300
92	10.214	1.3142	0.22488	0.44457	0.67000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-177	6.7575	0.67103	0.16879	0.29542	-1.0000
-117	6.6975	0.66607	0.16724	0.29236	-1.0000
-127	7.2479	0.71071	0.15059	0.31686	-1.0000
-177	8.5083	0.86498	0.18733	0.37194	-1.0000
-177	8.7996	0.87260	0.19250	0.38421	-1.0000
-157	0.1524	0.93894	0.20154	0.40017	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
177	6.7575	0.67103	0.16879	0.29542	0.39900
117	6.6975	0.66607	0.16724	0.29236	0.43100
127	7.2479	0.71071	0.15059	0.31686	0.44900
177	8.5083	0.86498	0.18733	0.37194	0.48600
177	8.7996	0.87260	0.19250	0.38421	0.52200
147	9.1524	0.91994	0.20154	0.40017	0.58800
-157	10.109	1.0117	0.22488	0.44457	1.0000
-157	10.109	1.0117	0.22488	0.44457	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
157	10.109	1.0117	0.22488	0.44457	0.46300
157	10.109	1.0117	0.22488	0.44457	0.40500

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
177	10.109	1.0117	0.22488	0.44457	0.79300
177	10.109	1.0117	0.22488	0.44457	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	0.2885	1.02235	0.22488	0.40607	0.75300
107	0.2885	1.02235	0.22488	0.40607	0.84400

AVG WORN		PL	M/PO	M/PT	M/PTP	X/DMAX
32	11.306	1.1311	0.50607	0.71387	0.42533	0.43600
37	6.0147	0.50607	0.71387	0.42533	0.43600	0.43600
47	7.4340	0.75370	0.91630	0.17670	0.34660	0.3100
57	9.2730	0.91630	0.91630	0.17670	0.34660	0.34660
PERFORMANCE RATIOS • FLOW CAPACITY 1.0.						
AVG WORN		PL	M/PO	M/PT	M/PTP	X/DMAX
47	8.8492	0.77021	0.61386	0.17795	0.27302	0.22900
57	6.1666	0.61386	0.61386	0.17795	0.27302	0.27000
PERFORMANCE RATIOS • FLOW CAPACITY 0.5.						
AVG WORN		PL	M/PO	M/PT	M/PTP	X/DMAX
77	10.310	1.9166	0.34667	0.17728	0.34616	0.50600
87	9.1530	0.93966	0.17728	0.34616	0.34616	0.50600
92	10.212	1.0136	0.10333	0.34616	0.34616	0.67000
PERFORMANCE RATIOS • FLOW CAPACITY 0.25.						
AVG WORN		PL	M/PO	M/PT	M/PTP	X/DMAX
107	6.4096	0.67506	0.12801	0.25116	0.25116	0.39600
117	6.7296	0.66791	0.12761	0.25116	0.25116	0.39600
127	7.2962	0.72202	0.12790	0.27116	0.27116	0.46900
137	8.6536	0.84905	0.16103	0.31526	0.31526	0.54600
147	8.8302	0.87727	0.17132	0.32967	0.32967	0.52200
157	10.130	0.91163	0.17132	0.32723	0.32723	0.54600
167	10.182	1.0132	0.10305	0.34658	0.34658	0.60000
177	10.403	1.0116	0.10305	0.34658	0.34658	0.60000
PERFORMANCE RATIOS • FLOW CAPACITY 0.125.						
AVG WORN		PL	M/PO	M/PT	M/PTP	X/DMAX
107	6.4096	0.67506	0.12801	0.25116	0.25116	0.39600
117	6.7296	0.66791	0.12761	0.25116	0.25116	0.39600
127	7.2962	0.72202	0.12790	0.27116	0.27116	0.46900
137	8.6536	0.84905	0.16103	0.31526	0.31526	0.54600
147	8.8302	0.87727	0.17132	0.32967	0.32967	0.52200
157	10.130	0.91163	0.17132	0.32723	0.32723	0.54600
167	10.182	1.0132	0.10305	0.34658	0.34658	0.60000
177	10.403	1.0116	0.10305	0.34658	0.34658	0.60000
PERFORMANCE RATIOS • NO FLOW CAPACITY INFLATION						
AVG WORN		PL	M/PO	M/PT	M/PTP	X/DMAX
107	10.107	1.0121	0.10305	0.34600	0.34600	0.63300
157	10.192	1.0116	0.10305	0.34600	0.34600	0.63300
PERFORMANCE RATIOS • 20 DEG SUPPLEMENT INFLATION						
AVG WORN		PL	M/PO	M/PT	M/PTP	X/DMAX
107	10.107	1.0121	0.10305	0.34600	0.34600	0.63300
157	10.192	1.0116	0.10305	0.34600	0.34600	0.63300
PERFORMANCE RATIOS • 40 DEG SUPPLEMENT INFLATION						
AVG WORN		PL	M/PO	M/PT	M/PTP	X/DMAX
107	10.107	1.0121	0.10305	0.34600	0.34600	0.63300
157	10.192	1.0116	0.10305	0.34600	0.34600	0.63300

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RUN 31

MACH-1 FUEL PROP. PRIMARY DATA 06/14/79 CANNETT REC 10/20/79 04:20:16.282 FAF 07611 PGM C834 PNC 1766

ADDITIONAL PRESSURE RATIOS , PRIMARY MING

AVD WORD	PI	PI / P0	PI / PTF	PI / PTP	X / MAX
37	13.132	1.3314	0.31473	0.42449	3.43400
37	6.8997	0.64561	0.11413	0.22344	0.53700
47	9.7960	0.87270	0.16573	0.24478	0.63100
57	10.282	1.0314	0.17007	0.23326	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PI	PI / P0	PI / PTF	PI / PTP	X / MAX
62	10.162	1.0396	0.16809	0.12937	0.42200
67	7.1049	0.70579	0.11753	0.23029	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WORD	PI	PI / P0	PI / PTF	PI / PTP	X / MAX
77	22.136	2.1960	0.36566	0.71652	0.50000
97	9.3713	0.93096	0.15597	0.20374	0.58300
02	19.212	1.9146	0.16892	0.33094	0.67000

ADDITIONAL PRESSURE RATIOS , SECTION NUMBER

AVD WORD	PI	PI / P0	PI / PTF	PI / PTP	X / MAX
-127	6.7846	0.67359	0.11223	0.21991	-1.0000
-117	6.7646	0.67189	0.11107	0.21926	-1.0000
-127	7.3851	0.73363	0.12216	0.22938	-1.0000
-127	8.6959	0.85403	0.14235	0.27795	-1.0000
-127	8.8911	0.88224	0.14691	0.28786	-1.0000
-147	9.2762	0.91653	0.15267	0.29905	-1.0000

ADDITIONAL PRESSURE RATIOS , CONFORM IMET

AVD WORD	PI	PI / P0	PI / PTF	PI / PTP	X / MAX
107	6.7846	0.67359	0.11223	0.21991	0.39000
117	6.7646	0.67189	0.11107	0.21926	0.43100
127	7.3851	0.73363	0.12216	0.22938	0.44900
127	8.6959	0.85403	0.14235	0.27795	0.48600
127	8.8911	0.88224	0.14691	0.28786	0.52200
147	9.2762	0.91653	0.15267	0.29905	0.58000
157	10.182	1.0114	0.16862	0.33002	0.69000
157	10.182	1.0114	0.16862	0.33002	0.69000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FIAP

AVD WORD	PI	PI / P0	PI / PTF	PI / PTP	X / MAX
157	10.182	1.0114	0.16862	0.33002	0.46300
157	10.182	1.0114	0.16862	0.33002	0.46500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOCK LOCATION

AVD WORD	PI	PI / P0	PI / PTF	PI / PTP	X / MAX
167	10.137	1.0110	0.16850	0.33019	0.79300
177	17.137	1.0110	0.16850	0.33019	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHOCK LOCATION

AVD WORD	PI	PI / P0	PI / PTF	PI / PTP	X / MAX
187	0.2363	0.23260	0.15761	0.30100	0.75300
197	6.7326	0.66253	0.11140	0.21945	0.84400

Year	1970	1971	1972	1973	1974	1975	1976
1970	15.140	1.5065	3.71537	0.42715	0.43600		
72	7.0572	7.0777	0.11207	0.23678	0.43307		
77	5.5546	7.0772	0.14618	0.28597	0.43100		
82	19.671	1.0504	0.15118	0.20050	0.42000		

DATE	PL	W / 00	W / 05	W / 07	X / 00
62	11.736	1.1662	0.1691	0.3411	9.4220
67	9.2354	0.81536	0.1135	0.23150	8.4780

AVN	WGN	PL	M/MO	M/MT	M/PTD	M/MAX
7*	7*	74.976	2.5742	0.7644	0.73089	0.59000
8*	8*	9.8039	0.8284	0.14047	0.27905	0.59300
5*	5*	10.221	1.0156	0.14517	0.20824	0.67003

NO	DATE	PL/PO	MP/TE	K/MAK
107	6.8267	0.67818	0.00706	-1.0908
110	6.8447	0.67838	0.00733	-1.0880
112	7.5451	0.74875	0.10721	-1.0899
129	8.1336	1.86755	0.12674	-1.0885
137	9.9907	0.89247	0.12773	-1.0888
142	5.1138	0.92810	0.13256	-1.0870

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

NO. OF CUBES	IN	IN 1974	IN 1975	IN 1976	IN 1977	IN 1978	IN 1979	IN 1980
150	17.146	1.0127	0.16497					2.66303
157	17.101	1.0127	0.16464					2.40903

WT. USED	PI	M/PO	M/STC	M/STP	K/WMAN
1.87	10.101	1.0127	0.16496	0.28757	0.79400
17	10.136	1.0127	0.16407	0.28758	0.84400

	U	P	M	F	T	R
UNION	0.3368	0.0729	0.1279	0.2620	0.7930	0.0000
IND	0.0777	0.6362	0.0079	0.1061	0.0460	0.0000

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RWL31

WASA-1 FMS PRELIMINARY DATA 04/14/79 7200F11 DFC 10/20/74 04-21:31.403 FAN 07601 PCN 0234 ORG 1769

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
32	15.149	1.5055	0.21578	0.42582	0.43400
37	7.9599	0.79101	0.11297	0.22625	0.53300
47	10.139	1.0077	0.14463	0.28568	0.63100
52	10.619	1.0556	0.15127	0.29921	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
42	11.766	1.1692	0.16757	0.33147	0.42700
47	8.2149	0.81436	0.11700	0.23144	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
77	25.898	2.5739	0.26800	0.72970	0.50000
82	9.8863	0.98237	0.14089	0.27858	0.58300
82	10.214	1.0152	0.14550	0.28780	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
-107	6.8634	0.68014	0.097680	0.19282	-1.0000
-112	6.8774	0.68312	0.097907	0.19266	-1.0000
-122	7.5337	0.74875	0.10731	0.21227	-1.0000
-127	8.7661	0.86905	0.12455	0.24637	-1.0000
-137	9.9742	0.99191	0.13783	0.25786	-1.0000
-147	9.3192	0.92621	0.13275	0.26258	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
137	6.8634	0.68014	0.097680	0.19282	0.39800
112	6.8774	0.68312	0.097907	0.19266	0.43100
127	7.5337	0.74875	0.10731	0.21227	0.44900
127	8.7661	0.86905	0.12455	0.24637	0.48600
127	9.9742	0.99191	0.13783	0.25786	0.52200
147	9.3192	0.92621	0.13275	0.26258	0.58800
-152	10.180	1.0127	0.14514	0.28709	-1.0000
-157	10.180	1.0127	0.14514	0.28709	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
152	10.199	1.0127	0.14514	0.28709	0.46200
157	13.199	1.0127	0.14514	0.28709	0.46500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
167	10.199	1.0127	0.14514	0.28709	0.79300
177	13.199	1.0127	0.14514	0.28709	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
187	9.3392	0.92810	0.13303	0.26314	0.79300
197	10.2285	1.02561	0.140262	0.26437	0.84400

RUN28

VAS-LEWIS PRELIMINARY DATA 06/14/79 CANNELL REF 10/26/79 04:22:32.483 FAC RYAKI PG# 0174 PPG 1465

>ADDITIONAL PRESSURE RATIOS , PRIMARY PING

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	13.749	0.98739	0.25427	0.60212	0.43400
37	14.179	0.94309	0.28449	0.65247	0.53200
47	14.364	0.96278	0.34409	0.65279	0.63100
52	13.754	0.99773	0.35440	0.62734	0.72900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
62	7.3965	0.49540	0.19778	0.37414	0.42200
67	14.044	0.96064	0.27553	0.63025	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	9.8726	0.59427	0.23775	0.49272	0.50800
82	10.923	1.3344	0.53274	0.60544	0.58300
92	14.939	1.0706	0.70946	0.67892	0.67000

~~>ADDITIONAL PRESSURE RATIOS , GUNPORT SURROUND~~

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.584	0.97547	0.38943	0.66188	-1.0000
-117	14.574	0.77145	0.38783	0.65915	-1.0000
-127	14.539	0.97380	0.38777	0.66074	-1.0000
-127	14.799	0.99121	0.39572	0.67256	-1.0000
-137	14.874	0.99289	0.39639	0.67370	-1.0000
-142	14.739	0.98519	0.39331	0.66847	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.564	0.97547	0.38943	0.66188	0.39800
112	14.574	0.77145	0.38783	0.65915	0.43100
127	14.539	0.97380	0.38777	0.66074	0.44900
127	14.799	0.99121	0.39572	0.67256	0.48600
137	14.874	0.99289	0.39639	0.67370	0.52200
142	14.739	0.98519	0.39331	0.66847	0.58800
152	14.934	1.0003	0.70946	0.67892	0.67000
157	14.034	1.0003	0.70946	0.67892	0.67000

~~>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP~~

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
-157	14.934	1.0003	0.70946	0.67892	-1.0000
-157	14.934	1.0003	0.70946	0.67892	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.934	1.0003	0.70946	0.67892	0.79300
177	14.929	1.00092	0.70946	0.67892	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
182	14.959	1.0715	0.70946	0.67892	0.79300
187	14.659	0.98184	0.39107	0.66620	0.84400

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P. 131

WATER-FLUX PRELIMINARY DATA DATE 10/16/70 CADDREI SEC 10/28/70 06:22:11.943 SEC 024V1 SEC 0774 SEC 1760

ADDITIONAL PRESSURE RATIOS , PRIMARY PHIC

AVD WOOD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
77	17.189	1.7006	0.71145	0.67305	0.43400
87	6.8011	0.68478	0.11305	0.27372	0.53330
67	8.7650	0.87377	0.14505	0.28404	0.63100
57	10.272	1.0270	0.16001	0.33274	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVD WOOD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
67	10.157	1.0086	0.16801	0.32902	0.42700
67	7.0050	0.70462	0.11737	0.22986	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVD WOOD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
77	22.015	2.1961	0.26415	0.71314	0.40800
87	9.3683	0.93027	0.15496	0.29247	0.58200
97	10.272	1.0131	0.16875	0.33048	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVD WOOD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
-107	6.8011	0.67574	0.11250	0.22031	-1.0000
-117	6.7767	0.67288	0.11208	0.21950	-1.0000
-127	7.6106	0.75887	0.12258	0.24005	-1.0000
-127	9.6502	0.95086	0.14372	0.29050	-1.0000
-127	8.8949	0.88366	0.14770	0.28824	-1.0000
-167	9.2335	0.91689	0.15277	0.29910	-1.0000

ADDITIONAL PRESSURE RATIOS , CONCENTRY IMET

AVD WOOD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
107	6.8011	0.67574	0.11250	0.22031	0.39800
117	6.7767	0.67288	0.11208	0.21950	0.43100
127	7.6106	0.75887	0.12258	0.24005	0.44900
127	9.6502	0.95086	0.14372	0.29050	0.48600
127	8.8949	0.88366	0.14770	0.28824	0.52700
167	9.2335	0.91689	0.15277	0.29910	0.58800
-157	10.187	1.0116	0.16851	0.32902	-1.0000
-157	10.187	1.0116	0.16851	0.32902	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER FLOW

AVD WOOD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
157	10.187	1.0116	0.16851	0.32902	0.46300
157	10.187	1.0116	0.16851	0.32902	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOOD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
157	10.182	1.0111	0.16842	0.32883	0.79300
157	10.182	1.0111	0.16842	0.32883	0.84400

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOOD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAX
157	9.2534	0.92286	0.15572	0.30104	0.79300
157	6.7252	0.67252	0.11126	0.21748	0.84400

Run 31

MASS-LEWIS PRELIMINARY DATA 06/14/70 CADREII RFC 10/28/75 06:22:47.371 FAF 00601 PGM C334 PNC 1770

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	11.431	1.1357	0.21579	0.42418	0.47400
77	6.0351	0.50936	0.11203	0.22305	0.53300
47	7.4702	0.76165	0.14478	0.28410	0.63100
57	9.2280	0.91448	0.17267	0.34176	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
47	8.8933	0.88227	0.16779	0.32045	0.42200
47	6.1950	0.61525	0.11655	0.22000	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	10.294	1.0142	0.24474	0.71500	0.50000
77	9.1720	0.91100	0.17717	0.34040	0.58000
57	13.217	1.3147	0.19000	0.37014	0.67000

ADDITIONAL PRESSURE RATIOS, EXHAUST CURBOUT

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-127	6.7347	0.67481	0.12827	0.25214	-1.0000
-112	6.7749	0.67704	0.12605	0.24000	-1.0000
-127	7.2906	0.72906	0.12761	0.27000	-1.0000
-127	8.5689	0.85689	0.15178	0.31723	-1.0000
-127	8.9483	0.89483	0.16704	0.32045	-1.0000
-147	9.1807	0.91260	0.17265	0.34000	-1.0000

ADDITIONAL PRESSURE RATIOS, EXHAUST IMPLY

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
127	6.7947	0.67481	0.12827	0.25214	0.38000
112	6.7749	0.67704	0.12605	0.24000	0.43100
127	7.2906	0.72906	0.12761	0.27000	0.44000
127	8.5686	0.85686	0.15139	0.31723	0.48000
127	8.9483	0.89483	0.16704	0.32045	0.52700
147	9.1807	0.91260	0.17265	0.34000	0.58000
-147	10.102	1.0122	0.15241	0.37021	-1.0000
-147	10.102	1.0122	0.15241	0.37021	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLAP

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
157	10.102	1.0122	0.15241	0.37021	0.44000
157	10.102	1.0122	0.15241	0.37021	0.49000

ADDITIONAL PRESSURE RATIOS, 20 DEG SURROUND LOCATION

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
147	10.102	1.0122	0.15241	0.37021	0.79300
127	10.102	1.0122	0.15241	0.37021	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SURROUND LOCATION

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
127	9.2370	0.92370	0.17534	0.34444	0.70000
157	6.9447	0.69447	0.12022	0.25440	0.84400

RUN 31

MESS-1-10210 PRELIMINARY DATA 06/16/79 CADDRELL REC 12/28/79 04:22:42.333

REC NAME1 PGM C034 DNG 1771

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WGRD	PI	PI/PN	PI/PTE	PI/PTP	X/DMAV
32	0.1797	0.71271	0.71460	0.47554	0.47400
37	4.8722	0.48367	0.11374	0.72547	0.63300
47	6.7070	0.17461	0.15864	0.71447	0.63100
52	8.7242	0.88547	0.73870	0.41294	0.72500

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WGRD	PI	PI/PN	PI/PTE	PI/PTP	X/DMAV
42	7.1746	0.71207	0.16750	0.33100	0.42700
47	4.0000	0.43500	0.11667	0.23175	0.47000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WGRD	PI	PI/PN	PI/PTE	PI/PTP	X/DMAV
77	15.606	1.5574	0.36635	0.72612	0.50000
87	10.801	1.0717	0.25209	0.40066	0.58300
92	10.212	1.0133	0.23825	0.47242	0.47000

~~ADDITIONAL PRESSURE RATIOS, EJECTOR SURROUND~~

AVD WGRD	PI	PI/PN	PI/PTE	PI/PTP	X/DMAV
-107	6.7870	0.67297	0.15820	0.31374	-1.00000
-112	6.7071	0.66560	0.15654	0.31027	-1.00000
-127	7.2866	0.72297	0.17006	0.33707	-1.00000
-127	8.5647	0.84782	0.19043	0.30528	-1.00000
-137	8.8393	0.87706	0.20630	0.40801	-1.00000
-147	0.1898	0.91172	0.21444	0.47508	-1.00000

ADDITIONAL PRESSURE RATIOS, EJECTOR INLET

AVD WGRD	PI	PI/PN	PI/PTE	PI/PTP	X/DMAV
107	6.7870	0.67297	0.15820	0.31374	0.39800
112	6.7071	0.66560	0.15654	0.31027	0.43100
127	7.2866	0.72297	0.17006	0.33707	0.44900
127	8.5647	0.84782	0.19043	0.30528	0.48000
137	8.8393	0.87706	0.20630	0.40801	0.52700
147	0.1898	0.91172	0.21444	0.47508	0.58800
152	10.187	1.0100	0.23776	0.47126	1.00000
157	10.187	1.0100	0.23776	0.47126	1.00000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLOW

AVD WGRD	PI	PI/PN	PI/PTE	PI/PTP	X/DMAV
152	10.187	1.0100	0.23776	0.47126	0.46700
157	10.187	1.0100	0.23776	0.47126	0.40500

ADDITIONAL PRESSURE RATIOS, 20 DEG SURROUND LOCATION

AVD WGRD	PI	PI/PN	PI/PTE	PI/PTP	X/DMAV
167	10.187	1.0100	0.23776	0.47126	0.79300
177	10.187	1.0100	0.23776	0.47126	0.84600

ADDITIONAL PRESSURE RATIOS, 80 DEG SURROUND LOCATION

AVD WGRD	PI	PI/PN	PI/PTE	PI/PTP	X/DMAV
187	0.2896	0.92163	0.21470	0.42969	0.75300
197	6.0110	0.48500	0.17120	0.21975	0.84600

Row 21

WASH-1 FWC PROJ PRIMARY DATA 06/14/79 CANNED REF 10/24/79 04:24:25.M19

FAC 00601

PGW 0036

ONG 1772

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVG WORN	PI	M/PN	PI/PTF	PI/PTP	X/DMAX
77	7.4428	0.76263	0.21777	0.42445	0.43400
77	8.7328	0.86887	0.24804	0.48385	0.53300
67	8.7388	0.86501	0.26710	0.48210	0.63100
67	8.8387	0.89470	0.25758	0.49270	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WORN	PI	M/PN	PI/PTF	PI/PTP	X/DMAX
77	8.7378	0.89964	0.17118	0.33251	0.42200
67	8.5490	0.95007	0.26266	0.47344	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.

AVG WORN	PI	M/PN	PI/PTF	PI/PTP	X/DMAX
77	12.354	1.2880	0.76768	0.71721	0.50800
97	17.102	1.6905	0.48259	0.54136	0.58300
97	10.237	1.0149	0.29572	0.56515	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER THROUGH

AVG WORN	PI	M/PN	PI/PTF	PI/PTP	X/DMAX
-107	6.7754	0.67367	0.19221	0.37514	-1.0000
-117	6.7354	0.65973	0.17118	0.37292	-1.0000
-127	7.3550	0.73130	0.29876	0.40723	-1.0000
-127	8.5500	0.85101	0.26796	0.47389	-1.0000
-127	8.8387	0.87983	0.25088	0.48878	-1.0000
-157	9.2776	0.91538	0.26123	0.50557	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER INLET

AVG WORN	PI	M/PN	PI/PTF	PI/PTP	X/DMAX
107	6.7754	0.67367	0.19221	0.37514	0.39900
117	6.7354	0.66973	0.19118	0.37292	0.43100
127	7.3550	0.73130	0.29876	0.40723	0.44900
127	8.5500	0.85101	0.26796	0.47389	0.48400
127	8.8387	0.87983	0.25088	0.48878	0.52200
147	9.2776	0.91538	0.26123	0.50557	0.58300
-157	10.182	1.0124	0.28081	0.56377	1.0000
-157	10.127	1.0110	0.28087	0.56346	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE HEAD

AVG WORN	PI	M/PN	PI/PTF	PI/PTP	X/DMAX
157	10.182	1.0124	0.28081	0.56377	0.46300
157	10.127	1.0110	0.28087	0.56346	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SURFING LOCATION

AVG WORN	PI	M/PN	PI/PTF	PI/PTP	X/DMAX
167	10.127	1.0110	0.28087	0.56346	0.79700
177	10.127	1.0110	0.28087	0.56346	0.84600

ADDITIONAL PRESSURE RATIOS, 30 DEG SURFING LOCATION

AVG WORN	PI	M/PN	PI/PTF	PI/PTP	X/DMAX
187	9.2883	0.92352	0.26764	0.51427	0.79700
197	8.9556	0.89162	0.15458	0.27556	0.84600

Roll 51

NASA-LEWIS PRELIMINARY DATA 7/14/79 CADDIS PFC 10/29/79 06:27:13.667 FSC 926N1 PCN 0036 POC 1773

ADDITIONAL PRESSURE RATIOS , PRIMARY INLET

AVG WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/IMAX
32	7.6635	0.75054	0.21741	0.42486	0.43400
37	8.7506	0.85066	0.24803	0.48446	0.53303
47	8.7476	0.86817	0.26850	0.48553	0.63100
52	8.9334	0.88701	0.25300	0.45617	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVG WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/IMAX
62	8.0956	0.59631	0.17760	0.23256	0.42200
67	8.5288	0.86686	0.26240	0.47370	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVG WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/IMAX
77	12.748	1.2957	0.25901	0.71017	0.50800
82	16.232	1.6912	0.49123	0.86042	0.58300
87	10.222	1.0130	0.28005	0.56662	0.67000

ADDITIONAL PRESSURE RATIOS , EXHAUST MANDUS

AVG WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/IMAX
-127	6.7752	0.67272	0.10256	0.37630	-1.0000
-112	6.7752	0.66875	0.10142	0.37608	-1.0000
-122	7.3768	0.73225	0.20060	0.40560	-1.0000
-127	8.5637	0.85031	0.26236	0.47564	-1.0000
-127	8.8395	0.87750	0.25120	0.49090	-1.0000
-142	9.2331	0.91380	0.26156	0.51115	-1.0000

ADDITIONAL PRESSURE RATIOS , EXHAUST INLET

AVG WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/IMAX
127	6.7752	0.67272	0.10256	0.37630	0.39800
112	6.7752	0.66875	0.10142	0.37608	0.43100
122	7.3768	0.73225	0.20060	0.40560	0.44900
127	8.5637	0.85031	0.26236	0.47564	0.48600
127	8.8395	0.87750	0.25120	0.49090	0.52200
142	9.2331	0.91380	0.26156	0.51115	0.58800
-127	10.177	1.0105	0.28025	0.56524	0.75300
-127	10.177	1.0100	0.28010	0.56497	0.84400

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVG WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/IMAX
127	10.177	1.0105	0.28025	0.56524	0.44300
127	10.177	1.0100	0.28010	0.56497	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOCK LOCATION

AVG WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/IMAX
127	10.177	1.0105	0.28025	0.56524	0.75300
127	10.177	1.0100	0.28010	0.56497	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHOCK LOCATION

AVG WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/IMAX
127	9.2920	0.92172	0.26286	0.51559	0.79200
127	8.8751	0.88266	0.12540	0.38186	0.84400

SECS-1 CHMS PRELIMINARY DATA 06/14/70

CANDELL

OFF 10/28/79 06:25:07.150

FAC PR6X1

PG# 0036

ENC 1774

Run 31

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WDRD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
17	7.6551	0.75072	0.71700	0.42542	0.47400
27	8.7707	0.87045	0.74862	0.48743	0.52300
47	8.7552	0.86804	0.74070	0.48650	0.63100
67	8.0257	0.89586	0.75702	0.47606	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WDRD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
17	8.0120	0.50685	0.17968	0.72422	0.47200
27	8.5206	0.84662	0.26182	0.47408	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WDRD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
77	12.996	1.2898	0.36841	0.72227	0.50800
87	16.476	1.6748	0.47838	0.93785	0.58300
97	10.216	1.3130	0.29060	0.56776	0.67000

ADDITIONAL PRESSURE RATIOS, EXHAUST CHAMBER

AVD WDRD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
-107	6.7605	0.67184	0.19180	0.37621	-1.0000
-117	6.7305	0.65886	0.19105	0.37454	-1.0000
-127	7.3669	0.73003	0.20877	0.40030	-1.3000
-127	8.5754	0.85100	0.24500	0.47658	-1.0000
-137	8.8507	0.87830	0.25080	0.49187	-1.0000
-147	9.2239	0.91513	0.26130	0.51244	-1.0000

ADDITIONAL PRESSURE RATIOS, EXHAUST INLET

AVD WDRD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
177	6.7605	0.67184	0.19180	0.37621	0.29800
117	6.7305	0.65886	0.19105	0.37454	0.43100
127	7.3669	0.73003	0.20877	0.40030	0.44900
127	8.5754	0.85100	0.24500	0.47658	0.48600
137	8.8507	0.87830	0.25080	0.49187	0.52200
147	9.2239	0.91513	0.26130	0.51244	0.58800
-147	10.216	1.0124	0.28017	0.56692	0.44300
-157	10.106	1.0110	0.28003	0.56665	0.40500

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FIELD

AVD WDRD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
157	10.201	1.0124	0.28017	0.56692	0.44300
157	10.106	1.0110	0.28003	0.56665	0.40500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WDRD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
167	10.126	1.0119	0.28003	0.56665	0.79300
177	10.231	1.0124	0.28017	0.56692	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHROUD LOCATION

AVD WDRD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
187	9.3339	0.92307	0.26765	0.51484	0.75300
197	8.8706	0.88077	0.19502	0.38223	0.84400

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RUN 31

NASC-LEWIS PRELIMINARY DATA 76/14/79 CANNETT REC 10/28/79 04:30:28.347 FAC 02X41 PG# 0934 RUC 1775

ADDITIONAL PRESSURE RATIOS - PRIMARY PUMP

AVD WORD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAX
32	7.4536	0.75838	0.21727	0.42510	0.43400
37	8.7398	0.97981	0.24950	0.48825	0.53307
47	9.7788	0.84987	0.26521	0.48770	0.43100
52	8.9688	0.88672	0.25606	0.49716	0.72900

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 1.0.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAX
57	6.0129	0.50587	0.17069	0.33606	0.42200
67	8.5287	0.86510	0.26212	0.47281	0.67000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAX
77	12.973	1.2455	0.36829	0.72071	0.50800
87	17.331	1.6876	0.48248	0.84814	0.83000
92	10.229	1.0136	0.27038	0.56825	0.67000

~~ADDITIONAL PRESSURE RATIOS - EJECTION CIRCUIT~~

AVD WORD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAX
107	6.7632	0.67016	0.18290	0.37573	-1.0000
117	6.7682	0.66867	0.19157	0.37489	-1.0000
127	7.3785	0.73112	0.23546	0.40980	-1.0000
127	8.5888	0.85106	0.26382	0.47716	-1.0000
127	8.8488	0.87691	0.25120	0.49159	-1.0000
142	6.7188	0.67347	0.26171	0.51216	-1.0000

ADDITIONAL PRESSURE RATIOS - EXHAUST INLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAX
107	6.7632	0.67016	0.18290	0.37573	0.39800
117	6.7682	0.66867	0.19157	0.37489	0.43100
122	7.3785	0.73112	0.23546	0.40980	0.44900
127	8.5888	0.85106	0.26382	0.47716	0.48600
127	8.8488	0.87691	0.25120	0.49159	0.52200
142	6.7188	0.67347	0.26171	0.51216	0.58800
152	10.180	1.0126	0.28053	0.56658	0.70300
157	10.190	1.0106	0.28053	0.56658	0.84400

ADDITIONAL PRESSURE RATIOS - FAN NOZZLE FLAP

AVD WORD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAX
152	10.180	1.0126	0.28053	0.56658	0.46300
157	10.190	1.0106	0.28053	0.56658	0.49500

ADDITIONAL PRESSURE RATIOS - 20 DEG SIMCOB LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAX
167	10.179	1.0106	0.28053	0.56658	0.70300
172	11.190	1.0106	0.28053	0.56658	0.84400

ADDITIONAL PRESSURE RATIOS - 40 DEG SIMCOB LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAX
187	0.2388	0.02160	0.26382	0.41650	0.79300
192	6.2722	0.62106	0.15512	0.38186	0.44600

RUN 21

MASS-FLUX PRELIMINARY DATA 36/14/77 CARDFEE DEC 10/29/79 04:32:36.023 FAP 856V1 PGM C034 PDS 1776

ADDITIONAL PRESSURE RATIOS , PRIMARY BEUG

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
57	0.2276	1.02961	0.22725	0.42467	0.43403
57	0.4145	0.04570	0.24229	0.42358	0.53233
67	0.6345	0.06780	0.24711	0.44224	0.63100
67	0.6105	1.05622	0.24524	0.43802	0.72507

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
67	0.5387	0.46953	0.18606	0.22257	0.42200
67	0.3396	0.09796	0.25122	0.46032	0.67220

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	12.982	1.2003	0.26061	0.66145	0.50800
97	16.749	1.6637	0.47655	0.95294	0.58300
97	17.220	1.0152	0.25080	0.52042	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLEETOR SUBORD~~

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
-107	0.7678	0.67189	0.19264	0.24443	-1.0000
-112	0.7198	0.66762	0.19118	0.24214	-1.0000
-127	0.3341	0.22854	0.23060	0.27347	-1.0000
-127	0.5545	0.04077	0.24341	0.43562	-1.0000
-127	0.8105	0.07610	0.25096	0.44012	-1.0000
-142	0.2345	0.01435	0.26101	0.46872	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
117	0.7638	0.67189	0.19264	0.24443	0.29800
112	0.7198	0.66762	0.19118	0.24214	0.42103
127	0.3341	0.22854	0.23060	0.27347	0.44507
127	0.5545	0.04077	0.24341	0.43562	0.48803
127	0.8105	0.07610	0.25096	0.44012	0.52200
142	0.2345	0.01435	0.26101	0.46872	0.58803
-157	10.100	1.0122	0.28004	0.61880	-1.0000
-157	10.100	1.0122	0.28004	0.61880	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
157	10.100	1.0122	0.28004	0.61880	0.46300
157	10.100	1.0122	0.28004	0.61880	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SURCH LOCATION

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
157	10.100	1.0122	0.28004	0.61880	0.75300
157	10.100	1.0122	0.28004	0.61880	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SURCH LOCATION

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
157	0.2846	0.02233	0.26419	0.47280	0.79300
157	0.2229	0.67895	0.15445	0.24622	0.84400

RUN 31

MEASUREMENTS: PRIMARY DATA 36/14/75 CANNETT REF 10/28/74 04:22:57.740 FOR 84481 PCN 0034 ENG 1777

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
37	13.731	1.3418	0.23554	0.42535	0.43400
57	5.6522	1.56352	0.17425	0.27655	0.53300
67	7.1602	0.71163	0.15783	0.28501	0.63100
52	4.9554	0.87888	0.15492	0.35201	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
62	9.3153	0.82528	0.18204	0.23054	0.42200
67	5.8761	0.57501	0.17776	0.23072	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	16.654	1.6524	0.26658	0.66199	0.50000
82	7.6936	0.96154	0.21331	0.38521	0.58300
92	10.226	1.0146	0.22500	0.42647	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-107	5.7797	0.67271	0.16874	0.26950	-1.0000
-112	6.6467	0.66328	0.16714	0.26572	-1.0000
-127	7.2269	0.71680	0.15804	0.28720	-1.0000
-127	8.4896	0.86166	0.14667	0.33710	-1.0000
-127	8.7736	0.87024	0.10296	0.34873	-1.0000
-142	0.1535	0.00705	0.20147	0.26376	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
107	5.7797	0.67271	0.16874	0.26950	0.40000
112	6.6467	0.66328	0.16714	0.26572	0.42100
127	7.2269	0.71680	0.15804	0.28720	0.44900
127	8.4896	0.86166	0.14667	0.33710	0.48600
127	8.7736	0.87024	0.10296	0.34863	0.52200
142	0.1535	0.00705	0.20147	0.26376	0.58000
152	10.106	1.0116	0.22443	0.40528	1.0000
157	10.106	1.0116	0.22443	0.40528	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
152	10.106	1.0116	0.22443	0.40528	0.46300
157	10.106	1.0116	0.22443	0.40528	0.40500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOWN LOCATION

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
157	10.106	1.0116	0.22443	0.40528	0.79300
172	10.201	1.0121	0.22454	0.40548	0.84600

ADDITIONAL PRESSURE RATIOS, 40 DEG SHOWN LOCATION

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
172	0.3005	0.02224	0.20472	0.26872	0.75300
177	6.0608	0.63050	0.15200	0.27676	0.84600

RUN 31

MEASUREMENTS PDE PRIMARY DATA 04/14/76 CROCKETT REC 10/28/79 04:23:39.301 FAN 076X1 PCN 0036 PDE 1778

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAK
77	12.464	0.2257	0.22573	0.42538	0.63403
77	6.5741	0.65178	0.17474	0.22477	0.53303
67	8.3340	0.82664	0.15773	0.28457	0.63100
67	8.3070	0.92319	0.15704	0.28338	0.72903

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAK
67	6.6818	0.95089	0.18312	0.23043	0.42200
67	6.7640	0.67061	0.12793	0.23085	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAK
77	19.303	1.9138	0.26509	0.65881	0.58800
67	9.1423	0.93640	0.17291	0.31202	0.58300
67	10.221	1.7124	0.19332	0.34885	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAK
-107	6.8000	0.67507	0.12878	0.23229	-1.0000
-112	6.7400	0.64912	0.12765	0.23024	-1.0000
-122	7.3287	0.72659	0.13861	0.25012	-1.0000
-127	8.6028	0.85291	0.16271	0.28761	-1.0000
-127	8.8925	0.88164	0.16819	0.30350	-1.0000
-147	9.2722	0.91433	0.17442	0.31475	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR IMPLY

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAK
107	6.8000	0.67507	0.12878	0.23229	0.39800
112	6.7400	0.64912	0.12765	0.23024	0.43100
122	7.3287	0.72659	0.13861	0.25012	0.44900
127	8.6028	0.85291	0.16271	0.28761	0.48600
127	8.8925	0.88164	0.16819	0.30350	0.52200
147	9.2722	0.91433	0.17442	0.31475	0.58800
152	10.196	1.0109	0.18285	0.34799	0.66300
157	10.196	1.0109	0.18285	0.34799	0.69500

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAK
152	10.196	1.0109	0.18285	0.34799	0.66300
157	10.196	1.0109	0.18285	0.34799	0.69500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAK
107	12.101	1.0104	0.18275	0.34782	0.79300
122	12.231	1.0114	0.18294	0.34816	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAK
152	6.2922	0.62327	0.17554	0.31679	0.75700
107	6.8243	0.67655	0.12521	0.23229	0.84400

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36/14/70

PRELIMINARY DATA
PRESSURE RATINGS, PRIMARY MUC

AVG WORN	PI	M/PM	M/PTF	M/PTP	M/PMAX
22	14.242	1.4171	7.23567	0.42633	0.43400
37	7.5218	0.74630	7.12401	0.22367	0.53300
47	9.5405	0.84769	7.15764	0.28372	0.43160
52	9.5206	0.84551	0.15711	0.28312	0.72500

ADDITIONAL PRESSURE RATINGS, FLOW SP LAYER I.D.

AVG WORN	PI	M/PM	M/PTF	M/PTP	M/PMAX
63	11.082	1.0094	0.18271	0.32924	0.42700
47	7.7465	0.76460	0.12772	0.23015	0.67000

ADDITIONAL PRESSURE RATINGS, FLOW SP LAYER O.D.

AVG WORN	PI	M/PM	M/PTF	M/PTP	M/PMAX
77	22.113	2.1940	0.14554	0.45494	0.50000
82	9.3747	0.93014	0.14666	0.27852	0.58300
52	10.219	1.0130	7.16827	0.30360	0.67000

ADDITIONAL PRESSURE RATINGS, FLOW SP LAYER I.D.

AVG WORN	PI	M/PM	M/PTF	M/PTP	M/PMAX
107	6.4224	0.67691	0.11240	7.20240	-1.0000
112	6.7924	0.67804	0.11109	0.20180	-1.0000
122	7.4119	0.73560	0.12220	0.22021	-1.0000
127	8.6536	0.85430	0.14282	0.25701	-1.0000
137	9.9753	0.89457	0.14682	0.27452	-1.0000
147	9.7399	0.91677	0.15234	0.27452	-1.0000

ADDITIONAL PRESSURE RATINGS, FLOW SP LAYER O.D.

AVG WORN	PI	M/PM	M/PTF	M/PTP	M/PMAX
107	6.4224	0.67691	0.11240	0.20269	0.39000
112	6.7924	0.67354	0.11109	0.20180	0.43100
122	7.4119	0.73560	0.12220	0.22021	0.44000
127	8.6536	0.85430	0.14282	0.25701	0.44000
137	9.9753	0.89457	0.14682	0.27452	0.52200
147	9.7399	0.91677	0.15234	0.27452	0.58000
152	10.140	1.0130	0.16204	0.28385	1.0000
157	10.140	1.0130	0.16204	0.28385	1.0000

ADDITIONAL PRESSURE RATINGS, FLOW SP LAYER I.D.

AVG WORN	PI	M/PM	M/PTF	M/PTP	M/PMAX
152	10.140	1.0114	0.16104	0.28285	0.46300
157	10.140	1.0109	0.16754	0.28271	0.46501

ADDITIONAL PRESSURE RATINGS, FLOW SP LAYER O.D.

AVG WORN	PI	M/PM	M/PTF	M/PTP	M/PMAX
157	10.140	1.0109	0.16754	0.28271	0.70300
177	10.140	1.0114	0.16104	0.28285	0.84400

ADDITIONAL PRESSURE RATINGS, FLOW SP LAYER I.D.

AVG WORN	PI	M/PM	M/PTF	M/PTP	M/PMAX
157	9.3149	0.92621	0.15357	0.27674	0.70300
177	6.9423	0.69330	0.11454	0.20440	0.84400

WATER-LEVELS PRELIMINARY DATA 04/14/70

CANDELL

REF 10/29/70 04177148.054

FOR 07611

PCM 0334

RUN 31

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ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WOOD	PI	M/PD	M/PTF	M/PTP	X/PMAX
33	16.447	1.6514	0.22560	0.42564	3.43400
37	8.7352	0.86654	0.12367	0.22354	0.52300
47	11.140	1.1751	0.15772	0.22604	0.62100
57	11.133	1.1001	0.15487	0.22331	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WOOD	PI	M/PD	M/PTF	M/PTP	X/PMAX
67	12.754	1.2851	0.18743	0.23123	0.42200
67	9.0332	0.89580	0.12784	0.23080	0.67800

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WOOD	PI	M/PD	M/PTF	M/PTP	X/PMAX
77	25.011	2.5706	0.38606	0.66252	0.50900
87	9.0152	0.90350	0.16078	0.25352	0.58300
87	10.750	1.0168	0.14512	0.26200	0.67000

ADDITIONAL PRESSURE RATIOS, FLEETOR SURROUND

AVD WOOD	PI	M/PD	M/PTF	M/PTP	X/PMAX
-107	6.9648	0.68893	0.098322	0.17757	-1.0000
-117	7.0149	0.69589	0.098314	0.17936	-1.0000
-127	7.6530	0.75880	0.10831	0.19560	-1.0000
-127	8.9602	0.87695	0.12516	0.22604	-1.0000
-137	9.1352	0.90326	0.12801	0.23201	-1.0000
-147	9.4052	0.93300	0.13316	0.24648	-1.0000

ADDITIONAL PRESSURE RATIOS, CORRECTION TIME

AVD WOOD	PI	M/PD	M/PTF	M/PTP	X/PMAX
137	6.9648	0.68893	0.098322	0.17757	0.39800
117	7.0149	0.69589	0.098314	0.17936	0.43100
127	7.6530	0.75880	0.10831	0.19560	0.46400
127	8.9602	0.87695	0.12516	0.22604	0.48600
137	9.1352	0.90326	0.12801	0.23201	0.52200
147	9.4052	0.93300	0.13316	0.24648	0.58800
157	10.219	1.0120	0.14455	0.26106	0.69500
157	10.219	1.0120	0.14455	0.26106	0.69500

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WOOD	PI	M/PD	M/PTF	M/PTP	X/PMAX
157	12.210	1.0120	0.14455	0.26106	0.46300
157	12.210	1.0120	0.14455	0.26106	0.46500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIELD LOCATION

AVD WOOD	PI	M/PD	M/PTF	M/PTP	X/PMAX
167	10.205	1.0126	0.14448	0.26096	0.79300
177	12.210	1.1120	0.14455	0.26106	0.84600

ADDITIONAL PRESSURE RATIOS, 30 DEG SHIELD LOCATION

AVD WOOD	PI	M/PD	M/PTF	M/PTP	X/PMAX
187	9.3652	0.92093	0.13250	0.23048	0.79300
187	9.3652	0.92093	0.13250	0.23048	0.84600

Run 51

WASH-LEVEL PRELIMINARY DATA 06/14/70 CASE 11 25C 10/20/70 06:27:22.043 FAN MAXI 050 0034 010 1701

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
33	16.651	1.6696	0.72657	0.43460	0.63600
37	9.7350	1.08540	0.17413	0.72274	0.53300
57	11.137	1.1333	0.15927	0.28471	0.63100
59	11.337	1.0970	0.15747	0.28321	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	12.357	1.2836	0.18406	0.73124	0.67200
67	9.3113	1.02672	0.12876	0.23088	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	25.908	2.5668	0.36806	0.66235	0.50800
82	9.8163	0.99242	0.14087	0.75252	0.58300
89	10.246	1.0151	0.16556	0.76156	0.67900

ADDITIONAL PRESSURE RATIOS , EJECTOR SUBSON

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-127	6.9349	0.68706	0.098515	0.17730	-1.0000
-117	7.0300	0.68685	0.095865	0.17972	-1.0000
-122	7.6654	0.75942	0.10880	0.19597	-1.0000
-127	8.8615	0.87788	0.12588	0.22654	-1.0000
-137	9.1161	0.90315	0.12550	0.23308	-1.0000
-147	9.4312	0.93497	0.13350	0.24111	-1.0600

ADDITIONAL PRESSURE RATIOS , EXHAUST IMPLY

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	6.9349	0.68706	0.098515	0.17730	0.30820
117	7.0300	0.68685	0.095865	0.17972	0.43100
127	7.6654	0.75942	0.10880	0.19597	0.44900
127	8.8615	0.87788	0.12588	0.22654	0.48600
137	9.1161	0.90315	0.12550	0.23308	0.52200
147	9.4312	0.93497	0.13350	0.24111	0.58800
-152	10.221	1.0127	0.14520	0.26132	1.0000
-157	10.221	1.0127	0.14520	0.26132	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	10.221	1.0127	0.14520	0.26132	0.48300
157	10.221	1.0127	0.14520	0.26132	0.40600

ADDITIONAL PRESSURE RATIOS , NO DEC SHOCK LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	10.221	1.0127	0.14520	0.26132	0.79300
177	10.221	1.0127	0.14520	0.26132	0.84400

ADDITIONAL PRESSURE RATIOS , NO DEC SHOCK LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	9.7667	0.92793	0.13305	0.23645	0.75300
197	8.1620	0.69856	0.098728	0.17768	0.84400

RUN 31

NASA-Lewis PRELIMINARY DATA 06/14/79 CANNELL REC 10/28/79 04:38:31.645 FAC 9X6X1 PGM F034 RDC 1782

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
27	14.315	1.4202	0.23748	0.42558	0.43400
37	7.5767	0.76678	0.12486	0.22377	0.53300
47	0.5783	0.95033	0.15990	0.28476	0.63100
57	0.5483	0.94735	0.15840	0.28287	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	11.339	1.1312	0.18413	0.32007	0.42200
67	7.7569	0.76962	0.12868	0.23061	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	22.065	2.1892	0.36674	0.65597	0.50800
87	9.3882	0.93147	0.15574	0.27911	0.58300
97	10.734	1.0154	0.16577	0.30424	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR CHIMNEY

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	6.8163	0.67627	0.11307	0.20264	-1.0000
-117	6.7913	0.67279	0.11249	0.20160	-1.0000
-127	7.4266	0.73685	0.12320	0.22070	-1.0000
-137	8.6677	0.85908	0.14379	0.25769	-1.0000
-147	9.9079	0.98381	0.16779	0.28483	-1.0000
-157	0.2531	0.91807	0.15350	0.27500	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	6.8160	0.67627	0.11307	0.20264	0.39800
117	6.7913	0.67279	0.11249	0.20160	0.43100
127	7.4266	0.73685	0.12320	0.22070	0.44900
137	8.6677	0.85908	0.14379	0.25769	0.48400
147	9.9079	0.98381	0.16779	0.28483	0.52200
157	0.2531	0.91807	0.15350	0.27500	0.58800
167	10.206	1.0124	0.16027	0.30235	0.68800
177	10.230	1.0129	0.16026	0.30250	0.68800

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	10.236	1.0124	0.16027	0.30235	0.68300
197	10.237	1.0129	0.16036	0.30250	0.69500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	10.239	1.0129	0.16036	0.30250	0.79300
177	10.239	1.0129	0.16036	0.30250	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	0.3382	0.92651	0.15471	0.27762	0.79300
197	0.2562	0.92317	0.15543	0.27690	0.84400

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Rev. 31

WASS-LEWIS PROJECTIONS DATA 06/14/79 CANNON REF 10/28/79 04230229.179 FAC. NAME PCN 0036 PNC 1793

ADDITIONAL PRESSURE RATIOS, PRIMARY MUG

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.422	1.2384	0.23666	0.42502	1.43400
77	6.5987	0.65315	0.17422	0.22414	0.53300
47	8.3720	0.82061	0.15873	0.28507	0.63100
52	8.3288	1.82565	0.15770	0.28337	1.72500

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
82	9.6484	0.96045	0.18255	0.32963	0.47200
87	8.7438	0.87249	0.12852	0.23080	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	19.292	1.9124	0.36547	0.65626	0.50800
82	9.1787	1.90990	0.17380	0.31228	0.58300
92	10.223	1.0135	0.15768	0.34783	0.67000

~~ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.~~

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	6.7828	0.67249	0.12852	0.23080	-1.0000
-112	6.7488	0.66901	0.12785	0.22961	-1.0000
-122	7.3298	0.72652	0.13886	0.24925	-1.0000
-127	8.5928	0.85142	0.16281	0.28238	-1.0000
-137	8.8788	0.88017	0.16820	0.30228	-1.0000
-147	9.2197	0.91387	0.17444	0.31764	-1.0000

ADDITIONAL PRESSURE RATIOS, EFFICIENCY INLET

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
127	6.7828	0.67249	0.12852	0.23080	0.39800
117	6.7488	0.66901	0.12785	0.22961	0.43100
122	7.3298	0.72652	0.13886	0.24925	0.44000
127	8.5928	0.85142	0.16281	0.28238	0.48600
137	8.8788	0.88017	0.16820	0.30228	0.52200
147	9.2197	0.91387	0.17444	0.31764	0.58800
-127	10.223	1.0135	0.15768	0.34783	1.0000
-147	10.223	1.0135	0.15768	0.34783	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	12.733	1.0115	0.19330	0.34715	1.46300
157	12.293	1.0115	0.19330	0.34715	1.45500

ADDITIONAL PRESSURE RATIOS, NO DEG SHOCK LOCATION

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	12.108	1.0110	0.19220	0.34608	0.79300
172	12.108	1.0110	0.19220	0.34608	0.84400

ADDITIONAL PRESSURE RATIOS, NO DEG SHOCK LOCATION

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	0.2827	0.27731	0.17588	0.21585	0.79300
157	6.7828	0.67249	0.12852	0.23080	0.84400

MASA-LEUES PRELIMINARY DATA 76/14/79

CANDELL

DEC 10/28/79 04340523.447

FAC 87461

PGM 0334

RUN 31
BNC 1786

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
37	10.637	1.0595	0.7584	0.42583	1.43403
37	5.6463	0.55957	0.12454	0.22600	1.52300
47	7.1702	0.71301	0.15825	0.29571	1.63100
52	9.0241	1.08570	0.19770	0.35540	1.72903

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
37	8.3158	1.02440	0.18353	0.33134	1.42200
47	5.7091	0.57497	0.12799	0.22109	1.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER R.O.

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	16.581	1.6430	0.26594	0.46069	1.50900
97	9.7766	0.96930	0.21577	0.38954	0.58300
92	17.236	1.0149	0.22502	0.40789	1.67000

ADDITIONAL PRESSURE RATIOS, EXHAUST CURBON

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-137	6.7649	0.67072	0.16030	0.26956	-1.0000
-117	6.6948	0.66378	0.16776	0.26677	-1.0000
-127	7.2352	0.71735	0.15568	0.28839	-1.0000
-127	9.5000	0.94284	0.19762	0.33874	-1.0000
-137	9.7963	0.97217	0.19613	0.35040	-1.0000
-147	9.1612	0.90831	0.20210	0.36534	-1.0000

ADDITIONAL PRESSURE RATIOS, EXHAUST INLET

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
137	6.7649	0.67072	0.16030	0.26956	1.39800
117	6.6948	0.66378	0.16776	0.26677	0.43100
127	7.2352	0.71735	0.15568	0.28839	1.44900
127	9.5000	0.94284	0.19762	0.33874	1.48400
137	9.7963	0.97217	0.19613	0.35040	0.52200
147	9.1612	0.90831	0.20210	0.36504	1.58800
157	10.336	1.0110	0.22526	0.40670	1.9000
157	17.236	1.0110	0.22526	0.40670	1.9000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
157	17.236	1.0110	0.22526	0.40670	0.46300
157	17.236	1.0110	0.22526	0.40670	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SIMUL LOCATION

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
167	17.236	1.0124	0.22527	0.40650	1.79200
177	17.236	1.0110	0.22526	0.40670	1.84600

ADDITIONAL PRESSURE RATIOS, 90 DEG SIMUL LOCATION

AVD WORN	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
187	9.3362	1.02260	0.21529	0.37082	1.70300
187	6.7700	0.67106	0.15292	0.27773	1.84400

RUN 31

NAME: LEMIS PRELIMINARY DATA 7/14/70 CASE: 11 PFC 10/28/79 (4:41:33).252 FAC: 256X1 PGM: 0024 PPG: 1785

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVD MORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	9.7439	0.92774	0.27701	0.42527	0.43400
77	9.5370	0.94660	0.24271	0.43456	0.53300
47	9.7267	0.86507	0.24705	0.44401	0.63100
52	9.6552	0.85072	0.24584	0.44174	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD MORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
52	6.5306	0.44807	0.18575	0.33343	0.42200
67	9.1612	0.90717	0.25065	0.46609	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD MORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
77	12.057	1.2859	0.26803	0.46065	0.50900
52	16.912	1.6783	0.48034	0.86228	0.58300
52	10.232	1.0154	0.20762	0.52168	0.67000

~~ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.~~

AVD MORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
-107	6.7444	0.67132	0.10214	0.24401	-1.0000
-117	6.7446	0.66834	0.10129	0.24338	-1.0000
-127	7.3651	0.73001	0.20520	0.37553	-1.0000
-127	8.5559	0.84900	0.24702	0.43674	-1.0000
-127	8.8760	0.87590	0.25069	0.45001	-1.0000
-147	9.2362	0.91363	0.26149	0.46040	-1.0000

ADDITIONAL PRESSURE RATIOS, ENDERSON INLET

AVD MORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
107	6.7444	0.67132	0.10214	0.24401	0.39800
117	6.7446	0.66834	0.10129	0.24338	0.43100
127	7.3651	0.73001	0.20520	0.37553	0.44900
127	8.5559	0.84900	0.24702	0.43674	0.48400
127	8.8760	0.87590	0.25069	0.45001	0.52200
147	9.2362	0.91363	0.26149	0.46040	0.58800
157	10.232	1.0124	0.20677	0.52015	1.0000
157	10.232	1.0124	0.20677	0.52015	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD MORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
157	10.232	1.0124	0.20677	0.52015	0.46300
157	10.232	1.0124	0.20677	0.52015	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD MORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
167	10.232	1.0129	0.20691	0.52041	0.76700
177	10.232	1.0129	0.20691	0.52041	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD MORD	PI	PI/PD	PI/PTF	PI/PTD	X/DMAX
187	9.2962	0.92254	0.26405	0.47300	1.79200
197	6.3297	0.63772	0.14500	0.24823	0.64400

ORIGINAL PAGE IS
OF POOR QUALITY

NASA-LEWIS PRELIMINARY DATA CANOE-II FACILITY 9X4X1
TIME AND DATE PROCESSED 04:34:50 JUN 14 1979

PROGRAM C034 P005 1786 TO 1828

Run 32

NOZZLE TYPE
FLIGHT CONDITIONS
NOZZLE CONFIGURATION
PRIMARY-NOZZLE PLUG
FLOW SPLITTER
FAN NOZZLE
CLANSHELL POSITION
EJECTOR INLET OPENING

R&W BASE EJECTOR NOZZLE (MODEL C)
SUPERSONIC CRUISE
C2
SPLIT PLUG (RETRACTED)
ISENTHROPIC SPLITTER
SHOOT FLAP
21 DEG
MINIMUM

P00	M0	PTE/PTP	PTE/PD	PTP/PD	OMEGA	PYS/PTE	COF	CDP	CF1	ETA1	ETA1.INT	CFP1	CFP2	F9
1786	0.010	1.98	3.49	1.77	0.000	0.277	0.957	0.988	0.9101	0.9101	0.9101	0.9101	0.9131	0.0000
1787	0.029	1.98	4.49	2.27	0.000	0.217	0.961	0.988	0.9389	0.9389	0.9389	0.9389	0.9409	0.0000
1788	0.052	1.98	5.25	2.65	0.000	0.186	0.961	0.986	0.9469	0.9469	0.9469	0.9469	0.9496	0.0000
1789	0.054	1.97	5.91	3.00	0.000	0.165	0.962	0.985	0.9595	0.9595	0.9595	0.9595	0.9611	0.0000
1790	0.057	1.97	5.93	3.01	0.000	0.165	0.962	0.983	0.9602	0.9602	0.9602	0.9602	0.9617	0.0000
1791	0.064	1.98	5.26	2.64	0.000	0.186	0.960	0.986	0.9465	0.9465	0.9465	0.9465	0.9497	0.0000
1792	0.059	1.98	4.50	2.27	0.000	0.218	0.959	0.987	0.9391	0.9391	0.9391	0.9391	0.9411	0.0000
1793	0.061	1.97	3.50	1.78	0.000	0.275	0.958	0.982	0.9054	0.9054	0.9054	0.9054	0.9094	0.0000
1794	0.058	1.98	3.50	1.77	0.000	0.278	0.957	0.985	0.9056	0.9056	0.9056	0.9056	0.9096	0.0000
1795	0.055	1.97	4.49	2.27	0.000	0.218	0.960	0.987	0.9382	0.9382	0.9382	0.9382	0.9403	0.0000
1796	0.065	1.98	5.25	2.63	0.000	0.186	0.959	0.986	0.9454	0.9454	0.9454	0.9454	0.9472	0.0000
1797	0.072	1.97	5.91	3.00	0.000	0.166	0.961	0.986	0.9619	0.9609	0.9609	0.9609	0.9625	0.0000
1798	0.067	1.97	5.93	3.02	0.000	0.165	0.964	0.984	0.9602	0.9602	0.9602	0.9602	0.9617	0.0000
1799	0.071	1.98	5.24	2.64	0.000	0.187	0.961	0.985	0.9455	0.9455	0.9455	0.9455	0.9472	0.0000
1800	0.073	1.97	4.49	2.27	0.000	0.218	0.959	0.982	0.9497	0.9497	0.9497	0.9497	0.9528	0.0000
1801	0.061	1.97	3.49	1.78	0.000	0.275	0.959	0.986	0.9048	0.9048	0.9048	0.9048	0.9078	0.0000
1802	0.064	2.14	3.47	1.62	0.000	0.290	0.953	0.985	0.7580	0.7580	0.7671	0.7671	0.7702	0.0000
1803	0.064	2.17	3.50	1.61	0.000	0.297	0.954	0.989	0.7599	0.7599	0.7689	0.7689	0.7720	0.0000
1804	0.064	2.21	4.51	2.04	0.000	0.227	0.958	0.978	0.8137	0.8137	0.8199	0.8199	0.8221	0.0000
1805	0.063	2.20	5.24	2.38	0.000	0.192	0.961	0.977	0.8519	0.8519	0.8560	0.8560	0.8597	0.0000
1806	0.063	2.17	5.98	2.75	0.000	0.165	0.966	0.977	0.8795	0.8795	0.8837	0.8837	0.8852	0.0000
1807	0.063	2.19	7.01	3.21	0.000	0.145	0.963	0.978	0.9031	0.9031	0.9065	0.9065	0.9078	0.0000
1808	0.063	2.19	6.93	3.10	0.000	0.145	0.964	0.981	0.9036	0.9036	0.9070	0.9070	0.9083	0.0000
1809	0.063	2.18	6.30	2.75	0.000	0.168	0.961	0.977	0.8793	0.8793	0.8834	0.8834	0.8850	0.0000
1810	0.063	2.21	5.21	2.36	0.000	0.193	0.963	0.977	0.8480	0.8480	0.8530	0.8530	0.8549	0.0000
1811	0.064	2.19	4.49	2.05	0.000	0.224	0.961	0.974	0.8143	0.8143	0.8205	0.8205	0.8226	0.0000
1812	0.063	2.16	3.50	1.62	0.000	0.297	0.954	0.980	0.7622	0.7622	0.7712	0.7712	0.7743	0.0000
1813	0.063	1.98	3.48	1.79	0.000	0.286	0.956	0.977	0.7828	0.7828	0.7911	0.7911	0.7941	0.0000
1814	0.063	1.98	4.51	2.27	0.000	0.224	0.958	0.978	0.8313	0.8313	0.8370	0.8370	0.8391	0.0000
1815	0.062	1.96	4.26	2.69	0.000	0.191	0.959	0.980	0.8650	0.8650	0.8696	0.8696	0.8713	0.0000
1816	0.063	1.98	6.01	3.03	0.000	0.168	0.961	0.984	0.8883	0.8883	0.8922	0.8922	0.8937	0.0000
1817	0.062	1.97	7.02	3.56	0.000	0.145	0.963	0.973	0.9127	0.9127	0.9150	0.9150	0.9172	0.0000
1818	0.063	1.97	7.03	3.57	0.000	0.145	0.962	0.980	0.9160	0.9160	0.9192	0.9192	0.9209	0.0000
1819	0.063	1.97	6.71	3.05	0.000	0.168	0.960	0.980	0.8926	0.8926	0.8965	0.8965	0.8985	0.0000
1820	0.062	1.96	5.21	2.65	0.000	0.192	0.958	0.982	0.8404	0.8404	0.8453	0.8453	0.8473	0.0000
1821	0.064	1.97	3.50	1.78	0.000	0.275	0.956	0.980	0.9017	0.9017	0.9017	0.9017	0.9047	0.0000
1822	0.062	1.96	4.51	2.30	0.000	0.216	0.962	0.983	0.9300	0.9300	0.9359	0.9359	0.9410	0.0000
1823	0.065	1.98	5.23	2.64	0.000	0.187	0.962	0.983	0.9464	0.9464	0.9464	0.9464	0.9491	0.0000

NASA-LEWIS PRELIMINARY DATA CADDIS-II FACILITY RYAN
TIME AND DATE PROCESSED 04:34:50 JUN 14 1970

PROGRAM C34 PAGE 1786 TO 1828

RUN 32 CONT.

NOZZLE TYPE R&M BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS SUPERSONIC CRUISE
NOZZLE CONFIGURATION C2
PRIMARY-NOZZLE PLUG SPLIT PLUG (RETRACTED)
FLOW SPLITTER ISENTROPIC SPLITTER
FAN NOZZLE SHORT FLAP
FLAMSHIELD POSITION 21 DEG
EJECTOR INLET OPENING MINIMUM

NOG	NO	PTF/PTP	PTF/PD	PTP/PD	OMEGA	PYS/PTF	CDF	CNP	CE1	ETA1	ETA1, IPT	CEP1	CEP2	EQ
1824	0.052	1.97	5.04	3.01	0.000	0.165	0.962	0.983	0.9596	0.9596	0.9597	0.9597	0.9612	0.0000
1825	0.056	1.97	5.04	3.01	0.000	0.165	0.951	0.984	0.9613	0.9613	0.9613	0.9613	0.9628	0.0000
1826	0.054	1.98	5.26	2.64	0.000	0.166	0.960	0.982	0.9606	0.9606	0.9606	0.9606	0.9602	0.0000
1827	0.058	1.98	4.23	2.16	0.000	0.170	0.958	0.981	0.9308	0.9308	0.9310	0.9310	0.9332	0.0000
1828	0.051	1.98	3.51	1.78	0.000	0.178	0.955	0.980	0.9062	0.9062	0.9062	0.9062	0.9091	0.0000

WACA-1 (MIF) DDT (PRIMARY DATA) 06/14/79 CADDREI PFC 10/31/79 00:07:01.669 FAF AXEXI PGM F334 Run 32 PPG 1786

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	11.375	0.75865	0.21777	0.42867	0.43437
77	5.7333	0.40899	0.11701	0.23110	0.53300
67	17.295	0.72951	0.27307	0.40171	0.67100
57	17.493	0.72276	0.27669	0.40827	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER T.O.

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
67	8.5595	0.58991	0.16881	0.33341	0.42200
67	5.9970	0.41303	0.11819	0.23346	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	18.429	1.2838	0.36737	0.72550	0.50800
87	23.770	1.6782	0.46877	0.92551	0.58300
07	14.444	0.98687	0.28526	0.56342	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
-107	14.434	0.99480	0.28667	0.56225	-1.0000
-117	14.409	0.99338	0.28418	0.56128	-1.0000
-127	14.304	0.99215	0.28388	0.56070	-1.0000
-127	14.326	0.99205	0.28388	0.56070	-1.0000
-137	14.274	0.99378	0.28157	0.55607	-1.0000
-147	13.925	0.95278	0.27264	0.53850	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	14.434	0.99480	0.28667	0.56225	0.39800
117	14.409	0.99338	0.28418	0.56128	0.43107
127	14.304	0.99205	0.28388	0.56070	0.44900
127	14.326	0.99205	0.28388	0.56070	0.48600
137	14.274	0.99378	0.28157	0.55607	0.52200
147	13.925	0.95278	0.27264	0.53850	0.58800
157	14.444	0.98687	0.28526	0.56342	0.67000
167	14.444	0.98687	0.28526	0.56342	0.67000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
157	14.469	0.99727	0.28536	0.56362	0.46300
167	14.444	0.98687	0.28526	0.56342	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
167	14.444	0.98687	0.28526	0.56342	0.79300
177	14.444	0.98687	0.28526	0.56342	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
187	12.333	0.99111	0.25500	0.53366	0.79300
197	12.333	0.99111	0.25500	0.53366	0.84400

SECTION 5 - MEASURED TURBINE PARAMETERS

NASA-LEWIS PRELIMINARY DATA 05/14/79 CANNETT REC 10/31/79 00:05:33.664

FOR NAME1

PGN 0034

Run 32
ENG 1787

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / PMAX
77	14.370	0.67758	0.21700	0.42981	0.43400
77	14.369	0.51107	0.11411	0.22602	0.53300
67	0.4497	0.65363	0.14565	0.28847	0.43100
52	0.5947	0.66746	0.10738	0.20250	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / PMAX
57	10.910	0.75440	0.16815	0.33205	0.42200
57	7.6591	0.53731	0.11820	0.23412	0.17000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / PMAX
77	13.925	1.6544	0.36875	0.73037	0.50800
P2	13.770	0.91758	0.20452	0.40509	0.58300
22	14.433	0.00946	0.22255	0.44070	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER~~

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / PMAX
-107	14.394	0.00535	0.22186	0.43942	-1.0000
-112	14.374	0.00407	0.22155	0.43881	-1.0000
-122	14.359	0.00407	0.22137	0.43835	-1.0000
-127	14.366	0.00328	0.22139	0.43850	-1.0000
-137	14.740	0.08533	0.21962	0.43840	-1.0000
-142	13.840	0.05699	0.21770	0.42248	-1.0000

ADDITIONAL PRESSURE RATIOS , SUPERSONIC INLET

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / PMAX
107	14.394	0.00535	0.22186	0.43942	0.39800
112	14.374	0.00407	0.22155	0.43881	0.43100
122	14.359	0.00407	0.22137	0.43835	0.44900
127	14.366	0.00328	0.22139	0.43850	0.48600
137	14.740	0.08533	0.21962	0.43840	0.52200
142	13.840	0.05699	0.21770	0.42248	0.58800
152	14.433	0.00946	0.22255	0.44070	1.0000
157	14.433	0.00946	0.22255	0.44070	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / PMAX
152	14.433	0.00946	0.22255	0.44070	0.46300
157	14.433	0.00946	0.22255	0.44070	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOCK LOCATION

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / PMAX
167	14.420	0.00777	0.22247	0.44049	0.79300
177	14.434	0.00812	0.22247	0.44044	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHOCK LOCATION

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / PMAX
187	13.145	0.00906	0.20255	0.40127	0.79300
187	13.085	0.00470	0.20167	0.39544	0.84400

SECTION 5. MEASURED THRUST PARAMETERS

270

ORIGINAL PAGE IS
OF POOR QUALITY

WASA-LEWIS PRELIMINARY DATA 07/24/79 CADDREX SEC 10/31/79 00:10:33.076 FAC 976K1 PGM C734 R001 32
000 1700

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVG WOPD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
77	16.355	1.1322	0.11549	0.42650	1.42650
77	8.6332	0.59565	0.11776	0.22457	1.53200
67	10.908	0.76165	0.14401	0.28707	1.62100
57	10.803	0.75618	0.14352	0.28632	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER F.O.

AVG WOPD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
77	12.717	0.88060	0.16756	0.33125	0.42200
77	8.9381	0.61885	0.11777	0.23331	1.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVG WOPD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
77	28.382	1.7443	0.27700	0.73300	1.50800
82	12.797	0.88532	0.16868	0.33378	0.58300
82	14.616	0.90813	0.18055	0.37632	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SUCROUD

AVG WOPD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
-107	14.371	0.99501	0.18534	0.37513	-1.0000
-112	14.346	0.99328	0.18593	0.37447	-1.0000
-127	14.331	0.99774	0.18887	0.37608	-1.1000
-127	14.326	0.99150	0.18876	0.37305	-1.0000
-137	14.221	0.98467	0.18778	0.37121	-1.0000
-147	13.791	0.95488	0.18172	0.36000	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVG WOPD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
107	14.371	0.99501	0.18534	0.37513	0.36800
112	14.346	0.99328	0.18593	0.37447	0.43100
127	14.331	0.99774	0.18887	0.37608	0.44500
127	14.326	0.99150	0.18876	0.37305	0.48600
137	14.221	0.98467	0.18778	0.37121	0.52200
147	13.791	0.95488	0.18172	0.36000	0.58900
152	14.616	0.90813	0.18055	0.37632	1.0000
157	14.411	0.89778	0.18000	0.37017	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVG WOPD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
157	14.616	0.90813	0.18055	0.37632	0.46300
157	14.611	0.90778	0.18000	0.37617	0.46500

ADDITIONAL PRESSURE RATIOS , NO DEG SHROUD LOCATION

AVG WOPD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
177	14.616	0.90813	0.18055	0.37632	0.79300
177	14.611	0.90778	0.18000	0.37617	0.84400

ADDITIONAL PRESSURE RATIOS , NO DEG SHROUD LOCATION

AVG WOPD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
127	13.157	0.81904	0.17276	0.34743	0.75200
167	17.382	0.99575	0.17277	0.34147	0.84600

SECTION 5 , MEASURED TURBINE PARAMETERS

Run 32

PG 1780

NAME-LEWIS PRELIMINARY DATA 04/14/70 CANNON PFC 10/31/70 00:12:13.245

FAF 9541

PGM 0374

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	V / WMAX
77	14.471	1.1757	0.11657	0.12667	0.47400
77	9.773	1.67347	0.11704	0.12453	1.63300
47	12.413	0.86043	0.14550	0.12463	0.67100
77	13.114	0.67856	0.15273	0.12267	0.72500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	V / WMAX
47	14.463	1.0020	0.16955	0.13419	0.42200
47	10.120	0.70113	0.11863	0.13377	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	V / WMAX
77	11.480	2.1810	0.16003	0.12717	0.50000
82	13.274	0.91964	0.15541	0.10662	0.50000
77	14.308	0.90755	0.16870	0.12240	1.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SUBSONIC

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	V / WMAX
-137	14.343	0.99374	0.16914	0.13133	-1.0000
-117	14.318	0.99901	0.16785	0.13075	-1.0000
-122	14.203	0.99978	0.16756	0.13017	-1.0000
-137	14.338	0.99131	0.16773	0.13052	-1.0000
-137	14.184	0.98266	0.16627	0.12773	-1.0000
-147	13.774	0.95627	0.16147	0.131817	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	V / WMAX
107	14.343	0.99374	0.16914	0.13133	0.39800
112	14.318	0.99901	0.16785	0.13075	0.43100
122	14.203	0.99978	0.16756	0.13017	0.44900
127	14.338	0.99131	0.16773	0.13052	0.46000
137	14.184	0.98266	0.16627	0.12773	0.52200
147	13.774	0.95627	0.16147	0.131817	0.58800
152	14.603	0.90780	0.16885	0.12331	-1.0000
157	14.433	0.90780	0.16885	0.12331	-1.3380

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	V / WMAX
157	14.433	0.90780	0.16885	0.12371	1.46300
157	14.433	0.90780	0.16885	0.12371	1.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	V / WMAX
157	14.338	0.99755	0.16870	0.12260	0.79300
177	14.338	0.99755	0.16870	0.12260	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WOOD	PI	PI / PD	PI / PTF	PI / PTP	V / WMAX
187	13.219	0.91583	0.15496	0.10535	1.70300
187	13.154	0.91133	0.15470	0.10535	1.64400

END OF RUN

MEASUREMENTS PRELIMINARY DATA 06/16/79

CANFIELD

PER 10/31/79 00:12:27.477

FAC 9X6V1

PGM C034

RUN 32

000 1790

SECTIONAL PRESSURE RATIOS, PRIMARY DUCT

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
77	19.553	1.2867	0.21454	0.47604	0.43403
77	9.7587	0.47490	0.11411	0.27456	0.53300
67	12.454	1.46374	0.14563	0.28650	0.63100
67	13.140	1.91472	0.15422	0.20350	0.72000

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
67	16.496	1.3745	0.16534	0.23220	0.42200
67	13.140	0.70386	0.11867	0.23354	0.67000

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
77	31.547	2.1979	0.26880	0.72506	0.50000
82	13.296	0.92200	0.15545	0.30592	0.58300
82	14.399	0.99863	0.16837	0.33135	0.67000

SECTIONAL PRESSURE RATIOS, EXHAUST CHIMNEY

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
-107	14.346	0.99481	0.16773	0.33008	-1.0000
-112	14.319	0.99308	0.16744	0.32951	-1.0000
-127	14.296	0.99135	0.16714	0.32893	-1.0000
-127	14.306	0.99206	0.16726	0.32916	-1.0000
-137	14.140	0.98606	0.16552	0.32651	-1.0000
-147	13.779	0.95563	0.16112	0.31708	-1.0000

SECTIONAL PRESSURE RATIOS, EXHAUST CHIMNEY

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
107	14.346	0.99481	0.16773	0.33008	0.39000
112	14.319	0.99308	0.16744	0.32951	0.43100
127	14.296	0.99135	0.16714	0.32893	0.46000
127	14.306	0.99206	0.16726	0.32916	0.46000
137	14.140	0.98606	0.16552	0.32651	0.52200
147	13.779	0.95563	0.16112	0.31708	0.58300
157	14.406	0.99997	0.16863	0.33146	0.66300
157	14.399	0.99863	0.16837	0.33135	0.69500

SECTIONAL PRESSURE RATIOS, FAN NOZZLE FIDP

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
157	14.406	0.99997	0.16863	0.33146	0.66300
157	14.399	0.99863	0.16837	0.33135	0.69500

SECTIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
157	14.406	0.99997	0.16863	0.33146	0.79300
157	14.399	0.99863	0.16837	0.33135	0.84600

SECTIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	X/PMAX
107	13.779	0.91749	0.15449	0.30442	0.79300
127	13.153	0.91284	0.15297	0.30281	0.84600

SYSTEMS, MEASURED THRUST PARAMETERS

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OF POOR QUALITY

WASH-1000 PRELIMINARY DATA 06/16/79 CANNETT REC 10/21/79 00:14:07.029

FAC 0X67

054 0024

Run 3X
000 1791

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVG WORN	PI	PI/PO	PI/PTF	PI/PTD	X/DMAX
77	14.374	1.1710	0.71537	0.47022	0.43400
82	8.5810	0.50664	0.11715	0.22512	0.53300
87	10.044	0.75002	0.14455	0.29757	0.63100
92	10.174	0.75345	0.14741	0.28521	0.72000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WORN	PI	PI/PO	PI/PTF	PI/PTD	X/DMAX
82	12.726	0.89186	0.16779	0.27271	0.42200
87	8.9211	0.61821	0.11763	0.23294	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WORN	PI	PI/PO	PI/PTF	PI/PTD	X/DMAX
77	27.958	1.9374	0.26864	0.73315	0.50800
82	12.791	0.89186	0.16779	0.27271	0.58300
92	14.415	0.95251	0.19007	0.37801	0.67000

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVG WORN	PI	PI/PO	PI/PTF	PI/PTD	X/DMAX
-107	14.351	0.99442	0.18521	0.37631	-1.0000
-117	14.315	0.98790	0.18875	0.37539	-1.0000
-127	14.295	0.98061	0.19849	0.37486	-1.0000
-137	14.145	0.90130	0.18862	0.37513	-1.0000
-147	14.145	0.90200	0.19704	0.37198	-1.0000
-157	13.745	0.85251	0.19124	0.36045	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVG WORN	PI	PI/PO	PI/PTF	PI/PTD	X/DMAX
107	14.351	0.99442	0.18521	0.37631	0.49000
117	14.315	0.98790	0.18875	0.37539	0.43100
127	14.295	0.98061	0.19849	0.37486	0.44900
137	14.145	0.90130	0.18862	0.37513	0.48600
147	14.145	0.90200	0.19704	0.37198	0.52200
157	13.745	0.85251	0.19124	0.36045	0.58800
167	14.415	0.95251	0.19007	0.37801	0.67000
177	14.415	0.95251	0.19007	0.37801	0.72000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVG WORN	PI	PI/PO	PI/PTF	PI/PTD	X/DMAX
157	14.415	0.95251	0.19007	0.37801	0.46300
167	14.415	0.95251	0.19007	0.37801	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHIMM LOCATION

AVG WORN	PI	PI/PO	PI/PTF	PI/PTD	X/DMAX
167	14.415	0.95251	0.19007	0.37801	0.79300
177	14.415	0.95251	0.19007	0.37801	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHIMM LOCATION

AVG WORN	PI	PI/PO	PI/PTF	PI/PTD	X/DMAX
167	14.174	0.91303	0.17373	0.34551	0.79300
177	14.111	0.90853	0.17387	0.34380	0.84400

MEASURED FLOW PARAMETERS

WASA-LEWIS PRELIMINARY DATA 4/14/79 CARGILL REC 10/31/79 00:15:15.100 FAC 876X1 PGM C334 Run 32
BPG 1792

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	14.336	0.97460	0.21470	0.42960	0.47411
77	7.3061	0.51175	0.11275	0.22557	0.53303
67	9.6545	0.65431	0.14548	0.29847	0.63100
67	9.9466	0.68130	0.15148	0.30021	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
42	10.916	0.75532	0.16795	0.33294	0.42200
42	7.6512	0.52960	0.11771	0.23335	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.O.

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	23.930	1.6488	0.34661	0.72679	0.50800
67	13.231	0.91893	0.27432	0.40505	0.58300
67	14.420	0.99777	0.27185	0.43991	0.67000

~~ADDITIONAL PRESSURE RATIOS, EJECTION CURVES~~

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-127	14.365	0.99397	0.22101	0.43813	-1.0000
-117	14.335	0.99180	0.22054	0.43722	-1.0000
-127	14.310	0.99117	0.22016	0.43666	-1.0000
-127	14.325	0.99120	0.22020	0.43691	-1.0000
-127	14.195	0.98221	0.21879	0.43275	-1.0000
-127	13.776	0.95216	0.21192	0.42015	-1.0000

ADDITIONAL PRESSURE RATIOS, EXHAUST INLET

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.365	0.99397	0.22101	0.43813	0.35800
117	14.335	0.99180	0.22054	0.43722	0.43100
127	14.310	0.99117	0.22016	0.43666	0.44900
127	14.325	0.99120	0.22020	0.43691	0.48600
127	14.195	0.98221	0.21879	0.43275	0.52200
145	13.776	0.95216	0.21192	0.42015	0.58800
157	14.420	0.99777	0.27185	0.43991	1.0000
157	14.420	0.99777	0.27185	0.43991	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.420	0.99777	0.27185	0.43991	0.46300
157	14.420	0.99777	0.27185	0.43991	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOOT LOCATION

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.420	0.99777	0.27185	0.43991	0.70300
172	14.425	0.99812	0.27152	0.43956	0.84600

ADDITIONAL PRESSURE RATIOS, 30 DEG SHOOT LOCATION

AVG WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	13.166	0.91997	0.20255	0.40155	0.79300
157	13.176	0.92682	0.20162	0.39972	0.84600

SECTION 5, MEASURED THROAT PARAMETERS

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OF POOR QUALITY

RW 32

MASS-LIFE PRELIMINARY DATA 06/14/79 CANNETT REC 10/31/79 00:16:15.970 FAC RWXVI PCN 0034 PRG 1703

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD JORD	PI	M/PO	M/PTF	PI/PTP	X/DMAX
77	10.968	0.75744	0.71663	0.42650	0.43400
77	5.9426	0.41045	0.11778	0.23109	0.53300
77	10.763	0.70876	0.72271	0.39909	0.63100
77	10.668	0.72292	0.71676	0.43736	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD JORD	PI	M/PO	M/PTF	PI/PTP	X/DMAX
77	8.5791	0.58965	0.14864	0.33202	0.42200
77	5.9876	0.41350	0.11827	0.23284	0.47000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD JORD	PI	M/PO	M/PTF	PI/PTP	X/DMAX
77	10.573	1.2827	0.36665	0.72225	0.50800
77	23.689	1.6760	0.46790	0.52119	0.58300
77	14.451	0.99800	0.28543	0.56196	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD JORD	PI	M/PO	M/PTF	PI/PTP	X/DMAX
-107	14.391	0.99386	0.28425	0.55063	-1.0000
-112	14.351	0.99110	0.28746	0.55807	-1.0000
-127	14.331	0.98971	0.28307	0.55729	-1.0000
-127	14.341	0.99061	0.28326	0.55768	-1.0000
-127	14.211	0.98143	0.28370	0.55763	-1.0000
-127	13.717	0.94727	0.27303	0.53330	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR IMPLY

AVD JORD	PI	M/PO	M/PTF	PI/PTP	X/DMAX
127	14.391	0.99386	0.28425	0.55063	0.39800
112	14.351	0.99110	0.28746	0.55807	0.43100
127	14.331	0.98971	0.28307	0.55729	0.44900
127	14.341	0.99061	0.28326	0.55768	0.48600
127	14.211	0.98143	0.28370	0.55763	0.52200
127	13.717	0.94727	0.27303	0.53330	0.54800
127	14.451	0.99800	0.28543	0.56196	0.67000
127	14.456	0.99826	0.28563	0.56215	0.68000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD JORD	PI	M/PO	M/PTF	PI/PTP	X/DMAX
157	14.451	0.99800	0.28543	0.56196	0.67000
157	14.456	0.99826	0.28563	0.56215	0.68000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD JORD	PI	M/PO	M/PTF	PI/PTP	X/DMAX
177	14.444	0.99765	0.28534	0.56176	0.79300
177	14.446	0.99765	0.28534	0.56176	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD JORD	PI	M/PO	M/PTF	PI/PTP	X/DMAX
157	12.947	0.89612	0.25573	0.50347	0.79300
157	12.942	0.89612	0.25573	0.50347	0.84400

ADDITIONAL PRESSURE RATIOS , MEASURED THROTTLE POSITION

DATA-1 THIS PRELIMINARY DATA 06/14/70 CANNON REF 10/31/70 00:18:32.587

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Run 32
000 1796

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
32	13.242	0.75572	0.21152	0.42784	0.43400
37	6.3332	0.41610	0.11050	0.23618	0.53300
47	13.257	0.71804	0.21057	0.40032	0.63100
52	13.447	0.72116	0.20622	0.40774	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
62	9.5168	0.58790	0.16822	0.33239	0.42200
67	5.9832	0.41280	0.11812	0.23339	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER R.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
77	18.576	1.2922	0.36685	0.72497	0.50800
82	23.724	1.6383	0.46872	0.92628	0.58300
92	14.452	0.99761	0.28542	0.56404	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SUPPLY

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
-107	16.387	0.99312	0.28612	0.56150	-1.0000
-117	16.357	0.99105	0.28754	0.56033	-1.0000
-122	16.332	0.98937	0.28305	0.55935	-1.0000
-127	16.342	0.99001	0.28324	0.55974	-1.0000
-137	16.207	0.98970	0.28058	0.55848	-1.0000
-142	13.712	0.94653	0.27081	0.53516	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
107	16.387	0.99312	0.28612	0.56150	0.39800
112	16.357	0.99105	0.28754	0.56033	0.43100
122	16.332	0.98937	0.28305	0.55935	0.44900
127	16.342	0.99001	0.28324	0.55974	0.48100
137	16.207	0.98970	0.28058	0.55848	0.52200
142	13.712	0.94653	0.27081	0.53516	0.58800
152	16.452	0.99761	0.28542	0.56404	1.0000
157	14.452	0.99761	0.28542	0.56404	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
152	16.452	0.99761	0.28542	0.56423	0.46300
157	14.452	0.99761	0.28542	0.56404	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
147	16.452	0.99761	0.28542	0.56404	0.79300
172	16.452	0.99761	0.28542	0.56404	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DNAX
187	12.942	0.89330	0.25540	0.50511	0.79300
187	12.977	0.89803	0.25632	0.50258	0.84400

SECTION 5 - MEASURED TURBINE PARAMETERS

VACA-1 FIVE PRELIMINARY DATA

06/16/79

CARDETT

REF 10/31/79 00:15:41.201

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Row 32
PNC 1795

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WOPN	PI	PI/PP	PI/PTF	PI/PTP	Y/DMAX
27	14.352	0.37210	0.21677	0.42781	0.43400
27	14.3763	0.51027	0.11375	0.27456	0.53200
47	0.4271	0.65215	0.14547	0.20700	0.63100
52	0.6572	0.66772	0.14000	0.20385	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WOPN	PI	PI/PP	PI/PTF	PI/PTP	Y/DMAX
47	13.032	0.75420	0.16818	0.33191	0.42200
67	7.6163	0.57688	0.11740	0.27187	0.67300

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WOPN	PI	PI/PP	PI/PTF	PI/PTP	Y/DMAX
77	23.926	1.6481	0.36751	0.72529	0.50800
82	13.327	0.02106	0.20559	0.40574	0.58300
82	14.422	0.09769	0.22248	0.43907	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR CHAMBER

AVG WOPN	PI	PI/PP	PI/PTF	PI/PTP	Y/DMAX
-107	14.367	0.00389	0.22163	0.43739	-1.0000
-112	14.337	0.00141	0.22117	0.43648	-1.0000
-127	14.317	0.00063	0.22086	0.43587	-1.0000
-137	14.322	0.00147	0.22100	0.43633	-1.0000
-137	14.297	0.00282	0.21516	0.43242	-1.0000
-142	13.772	0.05274	0.21245	0.41028	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVG WOPN	PI	PI/PP	PI/PTF	PI/PTP	Y/DMAX
107	14.367	0.00389	0.22163	0.43739	0.39000
112	14.337	0.00141	0.22117	0.43648	0.43100
127	14.317	0.00063	0.22086	0.43587	0.44000
137	14.322	0.00147	0.22100	0.43633	0.48600
137	14.297	0.00282	0.21516	0.43242	0.52200
142	13.772	0.05274	0.21245	0.41028	0.58800
142	14.422	0.09769	0.22248	0.43907	0.67000

ADDITIONAL PRESSURE RATIOS, FAN EXIT FLAP

AVG WOPN	PI	PI/PP	PI/PTF	PI/PTP	Y/DMAX
157	14.422	0.09838	0.22263	0.43037	0.46300
157	14.427	0.09804	0.22256	0.43022	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG CHORD LOCATION

AVG WOPN	PI	PI/PP	PI/PTF	PI/PTP	Y/DMAX
167	14.427	0.09804	0.22256	0.43022	0.70300
172	14.427	0.09804	0.22256	0.43022	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG CHORD LOCATION

AVG WOPN	PI	PI/PP	PI/PTF	PI/PTP	Y/DMAX
182	13.167	0.01380	0.22212	0.43087	0.75300
187	13.117	0.01174	0.20220	0.35006	0.84400

NACA-LEWIS PRELIMINARY DATA 01/14/70

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ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVG WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
27	14.334	1.1280	0.21518	0.42956	0.43400
27	9.5537	0.50704	0.11285	0.22676	0.53300
27	10.021	0.75614	0.14617	0.29704	0.63100
27	10.321	0.74022	0.14781	0.29442	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVG WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
27	12.655	0.87625	0.16703	0.32266	0.42200
27	9.8458	0.61386	0.11701	0.23304	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVG WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
27	27.972	1.9368	0.26919	0.73528	0.50800
27	12.915	0.88732	0.16514	0.33686	0.58300
27	14.575	0.99737	0.19711	0.37864	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR SURROUND

AVG WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-127	14.335	0.99252	0.18510	0.37680	-1.0000
-117	14.310	0.99080	0.18884	0.37614	-1.0000
-127	14.290	0.98961	0.18860	0.37562	-1.0000
-127	14.330	0.99010	0.18873	0.37588	-1.0000
-127	14.187	0.98180	0.18714	0.37273	-1.0000
-127	13.740	0.95135	0.18134	0.36117	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTOR IMLET

AVG WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
127	14.335	0.99252	0.18510	0.37680	0.36800
117	14.310	0.99080	0.18884	0.37614	0.43100
127	14.290	0.98961	0.18860	0.37562	0.44900
127	14.330	0.99010	0.18873	0.37588	0.48600
127	14.187	0.98180	0.18714	0.37273	0.52200
127	13.740	0.95135	0.18134	0.36117	0.58800
152	14.613	0.99772	0.19018	0.37877	1.0000
157	14.613	0.99772	0.19018	0.37877	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
152	14.410	0.99772	0.19018	0.37877	1.46300
157	14.410	0.99772	0.19018	0.37877	1.46500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOCK LOCATION

AVG WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
127	14.310	0.99080	0.18884	0.37614	0.79300
127	14.410	0.99772	0.19018	0.37877	0.34400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHOCK LOCATION

AVG WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
127	13.185	0.91202	0.17602	0.34658	0.79300
127	13.185	0.91202	0.17602	0.34658	0.94400

ADDITIONAL PRESSURE RATIOS, EJECTOR SURROUND

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Run 32
ENG 1707

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WPRD	PI	M/PD	M/PTF	PI/PTP	X/PMAX
33	13.459	1.7910	0.71680	0.42787	1.43400
37	0.6964	0.67222	0.11777	0.27650	1.53700
47	12.375	0.85889	0.14534	0.29695	1.63100
53	13.976	0.91746	0.15758	0.31317	1.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVG WPRD	PI	M/PD	M/PTF	PI/PTP	X/PMAX
47	14.376	0.99996	0.16008	0.33365	1.42200
47	10.791	0.69963	0.11941	0.27366	1.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.O.

AVG WPRD	PI	M/PD	M/PTF	PI/PTP	X/PMAX
77	11.391	2.1785	0.76860	0.72754	0.50800
47	13.271	0.92099	0.15597	0.30759	0.58300
37	14.396	0.99904	0.16038	0.33365	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVG WPRD	PI	M/PD	M/PTF	PI/PTP	X/PMAX
-107	14.376	0.99419	0.16826	0.33203	-1.0000
-117	14.791	0.80176	0.16785	0.33122	-1.0000
-127	14.756	0.99907	0.16755	0.33064	-1.0000
-127	14.746	0.99141	0.16779	0.33110	-1.0000
-127	14.141	0.99274	0.16632	0.32871	-1.0000
-147	13.731	0.95701	0.16127	0.31824	-1.0000

ADDITIONAL PRESSURE RATIOS, ENGINE INLET

AVG WPRD	PI	M/PD	M/PTF	PI/PTP	X/PMAX
137	14.376	0.99419	0.16826	0.33203	0.39800
117	14.791	0.80176	0.16785	0.33122	0.43100
127	14.756	0.99907	0.16755	0.33064	0.44900
127	14.746	0.99141	0.16779	0.33110	0.48600
127	14.141	0.99274	0.16632	0.32871	0.52200
147	13.731	0.95701	0.16127	0.31824	0.58900
157	14.376	0.99996	0.16008	0.33365	1.0000
157	14.376	0.99996	0.16008	0.33365	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WPRD	PI	M/PD	M/PTF	PI/PTP	X/PMAX
152	14.376	0.99996	0.16008	0.33365	0.46300
157	14.376	0.99996	0.16008	0.33365	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOCK LOCATION

AVG WPRD	PI	M/PD	M/PTF	PI/PTP	X/PMAX
167	14.376	0.99996	0.16008	0.33365	1.79300
177	14.431	0.99933	0.15814	0.33377	1.84600

ADDITIONAL PRESSURE RATIOS, 30 DEG SHOCK LOCATION

AVG WPRD	PI	M/PD	M/PTF	PI/PTP	X/PMAX
107	11.391	2.01752	0.15529	0.30643	0.79200
107	11.156	0.91331	0.15452	0.30692	1.84600

ADDITIONAL MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA 06/14/79

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REF 10/31/79 00:22:39.740

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Run 32

ENG 1799

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
22	19.553	1.2876	0.21465	0.42456	0.43400
27	0.7777	0.67578	0.11388	0.22303	0.53307
47	12.457	0.86427	0.14564	0.28636	0.63100
52	13.722	0.91763	0.15464	0.30407	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	14.591	1.0364	0.16961	0.33350	0.42200
67	10.152	0.70458	0.11874	0.23247	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	31.576	2.1915	0.36031	0.72618	0.50800
82	13.337	0.92353	0.15563	0.30602	0.58700
92	14.396	0.99916	0.16439	0.33108	0.67000

~~ADDITIONAL PRESSURE RATIOS, EJECTOR SURROUND~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.321	0.99395	0.16750	0.32236	-1.0000
-117	14.291	0.99187	0.16715	0.32867	-1.0000
-127	14.261	0.98979	0.16680	0.32798	-1.0000
-127	14.291	0.99118	0.16703	0.32844	-1.0000
-137	14.151	0.98216	0.16551	0.32545	-1.0000
-147	13.722	0.95233	0.16046	0.31556	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.321	0.99395	0.16750	0.32236	0.39800
117	14.291	0.99187	0.16715	0.32867	0.43100
127	14.261	0.98979	0.16680	0.32798	0.44900
127	14.291	0.99118	0.16703	0.32844	0.46600
137	14.151	0.98216	0.16551	0.32545	0.52200
147	13.722	0.95233	0.16046	0.31556	0.58800
157	14.396	0.99916	0.16439	0.33108	0.67000
167	14.396	0.99916	0.16439	0.33108	0.67000

ADDITIONAL PRESSURE RATIOS, FAN HOTTIE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.396	0.99916	0.16439	0.33108	0.46300
167	14.396	0.99916	0.16439	0.33108	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.396	0.99916	0.16439	0.33108	0.79300
177	14.396	0.99916	0.16439	0.33108	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.722	0.91763	0.15470	0.30418	0.79300
197	13.177	0.91451	0.15411	0.30303	0.84400

SECTION 3. MEASURED THRUST PARAMETERS

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NASA-LEWIS PRELIMINARY DATA 04/14/79

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Run 52
000 1799

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PI	M / PD	M / PTF	PI / PTP	X / DMAY
77	14.399	1.1308	0.21572	0.42835	0.43400
77	14.5931	0.59306	0.11313	0.22465	0.53300
67	17.934	0.75814	0.14462	0.29718	0.63100
52	13.949	0.75225	0.14350	0.28495	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PI	M / PD	M / PTF	PI / PTP	X / DMAY
67	17.696	0.89319	0.16791	0.33341	0.42200
67	14.9592	0.61422	0.11717	0.23266	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PI	M / PD	M / PTF	PI / PTP	X / DMAY
77	27.471	1.0325	0.36866	0.73295	0.50800
82	17.799	0.88747	0.16030	0.33617	0.58300
52	14.396	0.99866	0.19039	0.37806	0.67000

ADDITIONAL PRESSURE RATIOS , EXHAUST CHAMBER

AVD WOPD	PI	M / PD	PI / PTF	PI / PTP	X / DMAY
-177	14.324	0.00321	0.18967	0.37622	-1.0000
-117	14.294	0.00063	0.18994	0.37517	-1.0000
-122	14.269	0.00079	0.18876	0.37478	-1.0000
-177	14.324	0.00000	0.18887	0.37504	-1.0000
-177	14.149	0.00107	0.18715	0.37163	-1.0000
-147	13.704	0.05922	0.18127	0.35994	-1.0000

ADDITIONAL PRESSURE RATIOS , EXHAUST INLET

AVD WOPD	PI	M / PD	M / PTF	PI / PTP	X / DMAY
177	14.324	0.00321	0.18967	0.37622	0.35800
117	14.294	0.00063	0.18994	0.37517	0.43100
122	14.269	0.00079	0.18876	0.37478	0.44000
177	14.324	0.00000	0.18887	0.37504	0.48600
177	14.149	0.00107	0.18715	0.37163	0.52200
147	13.704	0.05922	0.18127	0.35994	0.58800
177	14.324	0.00321	0.18967	0.37622	1.0000
177	14.324	0.00321	0.18967	0.37622	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WOPD	PI	M / PD	M / PTF	PI / PTP	X / DMAY
177	14.399	0.99861	0.19064	0.37819	0.46300
157	14.474	0.00876	0.19052	0.37822	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOCK LOCATION

AVD WOPD	PI	M / PD	M / PTF	PI / PTP	X / DMAY
177	14.474	0.00876	0.19052	0.37822	0.79200
177	14.396	0.99876	0.19030	0.37806	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHOCK LOCATION

AVD WOPD	PI	M / PD	M / PTF	PI / PTP	X / DMAY
177	17.194	0.01417	0.17439	0.34628	0.75200
177	17.174	0.01771	0.17350	0.34671	0.84400

MEASURED THROUGH NOZZLE

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Run 32
PDE 1830

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	14.053	0.97339	0.21697	0.42894	0.47400
37	7.3749	0.51077	0.11291	0.22462	0.53300
57	0.4749	0.65276	0.14545	0.28708	0.63100
57	0.5549	0.66968	0.14500	0.29408	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
52	10.996	0.75454	0.16813	0.23184	0.62200
57	7.5998	0.52636	0.11720	0.23140	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	23.755	1.6653	0.26661	0.72357	0.50800
82	13.309	0.92173	0.20538	0.40537	0.58300
92	14.413	0.99821	0.22242	0.43900	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.338	0.99302	0.22127	0.43672	-1.0000
-112	14.333	0.99060	0.22073	0.43565	-1.0000
-122	14.293	0.99921	0.22042	0.43505	-1.0000
-127	14.298	0.99925	0.22045	0.43550	-1.0000
-137	14.173	0.99160	0.21872	0.43170	-1.0000
-142	13.713	0.94976	0.21163	0.41760	-1.0000

ADDITIONAL PRESSURE RATIOS , FREQUENCY SHIFT

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.338	0.99302	0.22127	0.43672	0.39800
112	14.333	0.99060	0.22073	0.43565	0.43100
122	14.293	0.99921	0.22042	0.43505	0.44900
127	14.298	0.99925	0.22045	0.43550	0.48600
137	14.173	0.99160	0.21872	0.43170	0.52200
142	13.713	0.94976	0.21163	0.41760	0.58800
-142	14.413	0.99821	0.22242	0.43900	-1.0000
-157	14.413	0.99821	0.22242	0.43900	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.413	0.99856	0.22250	0.43915	0.46300
157	14.413	0.99821	0.22242	0.43900	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHEARD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.413	0.99821	0.22242	0.43900	0.79300
172	14.413	0.99856	0.22250	0.43915	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHEARD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.133	0.91100	0.20200	0.40065	0.74300
187	13.139	0.93650	0.21100	0.39967	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHEARD LOCATION

WASA-LEWIS PRELIMINARY DATA 76/14/79 CANNON REC 10/31/79 00:27:59.954 FAC 97641 PGM 0036 **Run 32**
 PRC 1991

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVG WORN	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
37	11.072	0.75865	0.71777	0.62702	0.43400
47	6.7095	0.41870	0.11006	0.23570	0.53700
67	17.768	0.73075	0.73377	0.75561	0.63100
87	13.559	0.72287	0.73703	0.60700	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WORN	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
47	9.5435	0.59955	0.16913	0.33250	0.42700
67	6.3385	0.41533	0.11895	0.23386	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WORN	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
77	19.551	1.2923	0.76724	0.72197	0.50800
87	21.666	1.6758	0.66849	0.92103	0.58700
97	16.443	0.90814	0.78586	0.56198	0.67000

~~ADDITIONAL PRESSURE RATIOS , DIRECTOR SHROUD~~

AVG WORN	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
-107	14.771	0.99330	0.78648	0.55026	-1.0030
-117	14.730	0.99054	0.78768	0.55770	-1.0070
-127	14.710	0.98916	0.78729	0.55693	-1.0000
-137	14.725	0.98983	0.78763	0.55751	-1.0000
-147	14.715	0.97983	0.78062	0.55108	-1.0000
-157	14.671	0.94496	0.77063	0.53204	-1.0030

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVG WORN	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
107	14.770	0.99330	0.78648	0.55026	0.39800
117	14.730	0.99054	0.78768	0.55770	0.43100
127	14.710	0.98916	0.78729	0.55693	0.46900
137	14.725	0.98983	0.78763	0.55751	0.48600
147	14.715	0.97983	0.78062	0.55168	0.52200
157	14.671	0.94496	0.77063	0.53254	0.58800
167	14.635	0.90270	0.78576	0.54179	1.0000
177	14.643	0.90814	0.78586	0.54108	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVG WORN	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
157	14.635	0.92779	0.78576	0.54179	0.46700
167	14.640	0.90814	0.78586	0.54108	0.48500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORN	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
167	14.640	0.90814	0.78586	0.54198	0.79300
177	14.640	0.90814	0.78586	0.54108	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVG WORN	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
187	12.951	0.89523	0.75639	0.53604	0.79300
197	12.921	0.89039	0.75500	0.50132	0.84400

ADDITIONAL PRESSURE RATIOS , 60 DEG SHROUD LOCATION

RUN 32

BASE-FLIGHT PRELIMINARY DATA 06/14/79 CADDREI REC 10/31/79 01:25:24.223

FAC NAME

PGM C034

ENG 1802

ADDITIONAL PRESSURE RATIOS, PRIMARY NOUG

AVD NOUG	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	0.7545	0.64504	0.19754	0.42291	0.47400
37	0.8450	0.87135	0.25127	0.53780	0.53200
57	0.7760	0.88900	0.25628	0.56875	0.63100
52	0.4162	0.92752	0.26747	0.57247	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD NOUG	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
42	0.5230	0.54402	0.15888	0.23578	0.42200
47	0.2956	0.81713	0.22562	0.50624	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD NOUG	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	13.032	1.2937	0.27018	0.79232	0.50800
82	17.077	1.6821	0.48507	1.0382	0.58300
87	13.297	1.0142	0.20247	0.62600	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTOR THROUGH

AVD NOUG	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	0.4004	0.67074	0.12342	0.41258	-1.0000
-112	0.7503	0.88900	0.16200	0.41094	-1.0000
-122	7.4199	0.77588	0.21078	0.45110	-1.0000
-127	8.6578	0.85212	0.24572	0.52504	-1.0000
-137	8.9660	0.88917	0.25668	0.54510	-1.0000
-147	9.3062	0.91668	0.26424	0.56578	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTOR INLET

AVD NOUG	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	6.8096	0.67074	0.19362	0.41358	0.39800
112	6.7503	0.66581	0.19700	0.41094	0.43100
122	7.4199	0.77588	0.21078	0.45110	0.44900
127	8.6578	0.85212	0.24572	0.52504	0.48600
137	8.9660	0.88917	0.25668	0.54510	0.52200
142	0.3962	0.91668	0.26424	0.56578	0.58800
152	10.277	1.0123	0.20190	0.62478	0.60400
157	10.277	1.0123	0.20190	0.62478	0.60400

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD NOUG	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
152	10.277	1.0123	0.20190	0.62478	0.46700
157	10.277	1.0123	0.20190	0.62478	0.46500

ADDITIONAL PRESSURE RATIOS, 20 DEG SPECIM LOCATION

AVD NOUG	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	10.277	1.0118	0.20178	0.62448	0.79300
177	10.277	1.0118	0.20178	0.62448	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SPECIM LOCATION

AVD NOUG	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	0.2612	0.91275	0.26206	0.56304	0.79300
197	0.2706	0.81960	0.27624	0.50586	0.84400

ADDITIONAL MEASURED TURBINE PARAMETERS

AW 32
BNC 1023

TEST-LEVER PRELIMINARY DATA 26/14/75 CRORELL REC 10/31/75 01:26:32.071

FAC STAFF

RCM 0324

ADDITIONAL PRESSURE RATIOS , PRIMARY DUCT

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
17	6.3663	0.68472	0.15565	0.42434	1.43400
27	8.9497	0.87260	0.24033	0.56038	1.53300
47	0.3307	0.88237	0.14384	0.48015	0.63100
57	0.3705	0.92485	0.21426	0.57274	1.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
17	5.4786	0.54021	0.15435	0.33454	1.42200
47	8.7445	0.81294	0.23228	0.53344	1.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	13.130	1.2245	0.26080	0.80167	0.50800
87	16.786	1.5552	0.47294	1.0250	0.58300
97	10.230	1.0146	0.28950	0.62830	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER~~

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
-137	6.9194	0.67239	0.10233	0.41640	-1.0000
-117	6.7743	0.68904	0.10686	0.41365	-1.0000
-127	7.6345	0.74995	0.22046	0.45397	-1.0000
-127	3.6566	0.85238	0.24288	0.52786	-1.0000
-137	8.9707	0.89541	0.25299	0.46832	-1.0000
-147	0.3197	0.01894	0.26257	0.56008	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
137	6.9193	0.67239	0.10233	0.41640	0.39800
117	6.7743	0.66796	0.10086	0.41365	0.43100
127	7.6345	0.73705	0.20046	0.45397	0.44900
127	8.6446	0.85238	0.24055	0.52786	0.48600
137	8.9707	0.89541	0.25299	0.46832	0.52200
147	0.3197	0.01894	0.26257	0.56008	0.58800
157	10.230	1.0126	0.28950	0.62830	0.68900
167	10.230	1.0126	0.28950	0.62830	1.00000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
157	10.230	1.0126	0.28950	0.62708	0.46300
167	13.230	1.0126	0.28950	0.62708	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
157	13.230	1.0126	0.28950	0.62708	0.79300
177	13.265	1.0121	0.28950	0.62708	1.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVG WORN	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
197	0.2547	0.01253	0.26074	0.56511	0.79300
197	8.3306	0.81035	0.26411	0.50740	1.84400

END OF TEST DATA

WACA-11115 PRELIMINARY DATA 05/14/70

CARDREII

PRC 10/31/70 01:28:40.615

FAC RX6X1

PGM C036

RUN 31
PNC 1996

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVR WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
32	0.8358	0.87077	0.19224	0.42654	0.43400
37	0.7999	0.47294	0.17695	0.23167	0.53300
47	0.2797	0.81508	0.18088	0.30926	0.63100
52	0.4057	0.82839	0.18384	0.40578	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVR WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
62	0.9103	0.69101	0.15113	0.22250	0.42200
67	0.7999	0.47195	0.10474	0.23118	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVR WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	1.0853	1.0609	0.26859	0.81358	0.50800
82	0.9759	0.98113	0.21818	0.48158	0.58700
92	1.206	1.0147	0.22517	0.45702	0.67800

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVR WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
-107	0.9653	0.67657	0.15219	0.33141	-1.0000
-112	0.9602	0.67657	0.16560	0.33021	-1.0000
-122	0.5095	0.73918	0.16404	0.36208	-1.0000
-127	0.7558	0.86289	0.19145	0.42268	-1.0000
-137	0.9258	0.89059	0.19740	0.43571	-1.0000
-142	0.3399	0.91056	0.20407	0.45044	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVR WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	0.9653	0.67657	0.15015	0.33141	0.39800
112	0.9602	0.67411	0.16560	0.33021	0.43100
122	0.5095	0.73918	0.16404	0.36208	0.44900
127	0.7558	0.86289	0.19145	0.42268	0.48600
137	0.9258	0.89059	0.19740	0.43571	0.52700
142	0.3399	0.91056	0.20407	0.45044	0.58900
-152	10.266	1.0117	0.22452	0.45558	1.0000
-157	10.266	1.0117	0.22452	0.45558	1.9000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVR WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
152	10.266	1.0117	0.22452	0.45558	0.46300
157	10.266	1.0117	0.22452	0.45558	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVR WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
152	10.266	1.0117	0.22452	0.45558	0.79300
157	10.266	1.0117	0.22452	0.45558	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVR WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/DMAX
152	0.1530	0.93182	0.23913	0.44175	0.79300
157	0.5604	0.72452	0.17410	0.38430	0.84400

MEASURED THRUST PARAMETERS

ORIGINAL PAGE IS
OF POOR QUALITY

MASS-FLOW PRELIMINARY DATA 06/14/79 CADDREI REC 10/31/79 01:40:12.574

FAC NAME1

PGM C036

RUN 32
PGC 1005

ADDITIONAL PRESSURE RATIOS , PRIMARY PLIN

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
17	10.763	1.0104	0.10200	0.42525	0.43400
27	6.4336	0.53663	0.17236	0.22531	0.53300
47	6.8516	0.67655	0.12877	0.28380	0.63100
52	6.8637	0.97153	0.18467	0.40880	0.72500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.D.

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
17	8.3074	0.78833	0.15050	0.33178	0.42200
47	6.5555	0.54604	0.10441	0.23019	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER R.D.

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
27	10.617	1.9313	0.36869	0.61282	0.50800
42	9.3330	0.99800	0.17353	0.38256	0.68300
72	10.708	1.0149	0.19374	0.42717	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	6.8166	0.67110	0.12812	0.28244	-1.0000
-117	6.7616	0.58948	0.12708	0.28016	-1.0000
-127	7.3520	0.72381	0.13818	0.30463	-1.0000
-137	8.6577	0.85236	0.16272	0.35873	-1.0000
-147	8.9520	0.88142	0.16827	0.37000	-1.0000
-157	9.2530	0.91096	0.17351	0.38339	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	6.8166	0.67110	0.12812	0.28244	0.39800
117	6.7616	0.66568	0.12708	0.28016	0.43100
127	7.3520	0.72381	0.13818	0.30463	0.44500
137	8.6577	0.85236	0.16272	0.35873	0.48500
147	8.9520	0.88142	0.16827	0.37000	0.52200
157	9.2530	0.91096	0.17351	0.38339	0.56800
167	10.383	1.0126	0.19374	0.42680	0.60800
177	10.388	1.0120	0.19373	0.42670	0.63800

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLD

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
152	10.283	1.0124	0.19227	0.42678	0.46300
167	10.288	1.0120	0.19337	0.42620	0.48500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	10.278	1.0110	0.19318	0.42588	0.79300
177	10.283	1.0124	0.19377	0.42608	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	6.2530	0.91096	0.17351	0.38230	0.79300
177	6.2774	0.87084	0.15673	0.34546	0.84400

ADDITIONAL MEASURED THROAT PARAMETERS

NAAS-15415 PRELIMINARY DATA 06/16/79 CARRIE REF 10/31/75 01:32:32.653

CAF 91611

05-0934

AUN 3X

006 1006

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
33	11.866	1.1676	0.10519	0.42450	0.43400
37	6.2475	0.61610	0.10302	0.22403	0.53300
47	7.9139	0.77019	0.13037	0.28320	0.63100
52	11.356	1.1174	0.18680	0.40625	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	6.2290	0.90817	0.15183	0.32016	0.42200
67	6.6376	0.63343	0.10507	0.27030	0.67600

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER R.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	22.446	2.2085	0.26073	0.80797	0.50800
82	9.4750	0.92230	0.15586	0.23806	0.58300
92	10.320	1.0155	0.16077	0.26521	0.67000

~~ADDITIONAL PRESSURE RATIOS, FLEXION SHROUD~~

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	6.8330	0.67234	0.11240	0.24445	-1.0000
-117	6.8230	0.67135	0.11274	0.24409	-1.0000
-127	7.4586	0.73380	0.12260	0.26683	-1.0000
-127	8.7044	0.85668	0.14310	0.31140	-1.0000
-137	8.9808	0.88455	0.14788	0.32160	-1.0000
-147	9.2900	0.91507	0.15258	0.32770	-1.0000

ADDITIONAL PRESSURE RATIOS, FLEXION INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	6.8330	0.67234	0.11240	0.24445	0.39900
117	6.8230	0.67135	0.11274	0.24409	0.43100
127	7.4586	0.73380	0.12260	0.26683	0.44900
127	8.7044	0.85668	0.14310	0.31140	0.48600
137	8.9808	0.88455	0.14788	0.32160	0.52200
147	9.2900	0.91507	0.15258	0.32770	0.58800
152	10.200	1.0125	0.16077	0.36813	1.0000
157	10.200	1.0125	0.16077	0.36813	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
152	10.200	1.0125	0.16077	0.36813	0.46300
157	10.200	1.0125	0.16077	0.36813	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
167	10.200	1.0125	0.16077	0.36813	0.79300
177	10.200	1.0125	0.16077	0.36813	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
187	9.1700	0.90325	0.15101	0.32840	0.79300
197	8.1700	0.79087	0.13377	0.29071	0.84400

SECTION 5, MEASURED THRUST PARAMETERS

RUN 32

NAME-LEWIS PPEL INTRAPY DATA 06/14/79 CANTRELL OFC 10/31/79 01:34:00.772 FAC 046W1 PGM C034 PPG 1007

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOOD	PI	M / PD	PI / PTF	PI / PTP	X / PMAX
17	17.807	1.2507	0.19407	0.42757	0.47400
27	7.7497	0.71544	0.19718	0.22205	0.53500
47	9.2314	0.90610	0.17034	0.29227	0.63100
52	12.733	1.2536	0.17806	0.29060	0.72000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVD WOOD	PI	M / PD	PI / PTF	PI / PTP	X / PMAX
47	10.749	1.0545	0.15179	0.22061	0.42200
47	7.4903	0.73767	0.19027	0.22070	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER R.O.

AVD WOOD	PI	M / PD	PI / PTF	PI / PTP	X / PMAX
77	26.229	2.5439	0.26884	0.20512	0.50000
92	9.9851	0.98378	0.14076	0.20638	0.58700
92	10.295	1.0147	0.14485	0.21618	0.67000

ADDITIONAL PRESSURE RATIOS , T-SECTION CURBOUT

AVD WOOD	PI	M / PD	PI / PTF	PI / PTP	X / PMAX
-107	6.8548	0.67507	0.006358	0.21033	-1.0000
-112	6.8508	0.67557	0.006420	0.21048	-1.0000
-122	7.5139	0.73997	0.10562	0.23056	-1.0000
-127	8.7471	0.86137	0.12276	0.26830	-1.0000
-137	9.7217	0.88841	0.12687	0.27802	-1.0000
-147	9.7312	0.91888	0.13117	0.28672	-1.0000

ADDITIONAL PRESSURE RATIOS , CORRECTOR INLET

AVD WOOD	PI	M / PD	PI / PTF	PI / PTP	X / PMAX
107	6.8548	0.67507	0.006358	0.21033	0.25000
112	6.8508	0.67557	0.006420	0.21048	0.43100
122	7.5139	0.73997	0.10562	0.23056	0.44000
127	8.7471	0.86137	0.12276	0.26830	0.68600
137	9.7217	0.88841	0.12687	0.27802	0.52200
147	9.7312	0.91888	0.13117	0.28672	0.58800
157	10.275	1.0108	0.14428	0.31408	1.0000
157	10.270	1.0112	0.14476	0.31511	1.0000

ADDITIONAL PRESSURE RATIOS , PAN NOZZLE FLAP

AVD WOOD	PI	M / PD	PI / PTF	PI / PTP	X / PMAX
157	10.765	1.0108	0.14479	0.31496	0.46300
157	10.770	1.0112	0.14476	0.31511	0.49500

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WOOD	PI	M / PD	PI / PTF	PI / PTP	X / PMAX
177	10.770	1.0112	0.14476	0.31511	0.79300
177	10.765	1.0108	0.14479	0.31496	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WOOD	PI	M / PD	PI / PTF	PI / PTP	X / PMAX
187	0.1764	0.03365	0.12809	0.28157	0.79300
187	0.0771	0.00510	0.11749	0.24771	0.84400

SECTION 5 , MEASURED THROU PARAMETERS

WASA-LEWIS PRELIMINARY DATA 06/16/79 CANNESST WFC 10/31/79 01:35:00.274 FAN 474X1 PCN 0034 **ROW 32**
 PNC 1000

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WPRD	PI	M / PD	M / PTF	PI / PTP	X / DMAX
77	13.705	1.3575	0.10456	0.42583	0.43400
77	7.2722	3.71563	0.10256	0.22448	0.57303
67	0.2071	0.90604	0.12585	0.28421	0.63103
67	12.776	1.2572	0.18018	0.39427	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WPRD	PI	M / PD	M / PTF	PI / PTP	X / DMAX
67	10.727	1.0556	0.15128	0.33112	0.42203
67	7.4922	0.73630	0.10552	0.23096	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WPRD	PI	M / PD	M / PTF	PI / PTP	X / DMAX
77	26.235	2.5917	0.27000	0.80983	3.50800
67	0.9960	0.98278	0.14085	0.30828	0.58300
67	11.317	1.0152	0.14557	0.31847	0.67000

~~ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.~~

AVD WPRD	PI	M / PD	M / PTF	PI / PTP	X / DMAX
-107	6.8821	0.67528	0.096728	0.21182	-1.0000
-112	6.8721	0.67686	0.096920	0.21213	-1.0000
-127	7.5472	0.76260	0.10644	0.23297	-1.0000
-127	8.7921	0.86520	0.12400	0.27140	-1.0000
-137	0.3671	0.89226	0.12788	0.27099	-1.0000
-147	9.3570	0.92080	0.17197	0.28886	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WPRD	PI	M / PD	M / PTF	PI / PTP	X / DMAX
107	6.8821	0.67528	0.096728	0.21182	0.39800
112	6.8721	0.67686	0.096920	0.21213	0.43100
127	7.5472	0.76260	0.10644	0.23297	0.46900
127	8.7921	0.86520	0.12400	0.27140	0.48600
137	0.0671	0.89226	0.12788	0.27099	0.52200
147	9.3570	0.92080	0.17197	0.28886	0.58800
157	13.887	1.0118	0.14591	0.31739	0.66300
157	17.887	1.0123	0.14508	0.31754	0.49503

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WPRD	PI	M / PD	M / PTF	PI / PTP	X / DMAX
157	10.292	1.0118	0.14591	0.31739	0.46300
157	17.887	1.0123	0.14508	0.31754	0.49503

ADDITIONAL PRESSURE RATIOS, 20 DEG SURROUND LOCATION

AVD WPRD	PI	M / PD	M / PTF	PI / PTP	X / DMAX
167	10.787	1.0123	0.14508	0.31754	0.79203
177	10.792	1.0128	0.14515	0.31769	0.84600

ADDITIONAL PRESSURE RATIOS, 90 DEG SURROUND LOCATION

AVD WPRD	PI	M / PD	M / PTF	PI / PTP	X / DMAX
187	0.1971	0.99407	0.12057	0.28359	0.75300
187	8.0772	0.79485	0.11202	0.24522	0.84400

ADDITIONAL MEASURED TURBINE PARAMETERS

ORIGINAL PAGE IS
OF POOR QUALITY

NASA-LESC PRELIMINARY DATA

06/14/79

CANDID

REF 10/31/79 01:36:15.619

FAC 984X1

PCM 0034

AW 32
ENC 1009

ADDITIONAL PRESSURE RATIOS, PRIMARY MECH

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
72	11.879	1.1676	0.19446	0.47410	1.43400
77	1.750	0.41725	0.10780	0.22410	0.53300
47	7.9255	0.77960	0.17594	0.28216	0.63100
52	11.765	1.1180	0.18410	0.49606	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
72	9.2455	0.99545	0.15146	0.27037	0.42200
47	6.4400	0.63360	0.19550	0.23009	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	22.363	2.1098	0.26624	0.79500	0.50800
52	9.4855	0.93306	0.15539	0.23890	0.58300
57	10.317	1.0142	0.16891	0.26878	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	6.8552	0.67432	0.11239	0.24403	-1.0000
-112	6.8102	0.66900	0.11157	0.24332	-1.0000
-127	7.4606	0.72385	0.12222	0.26655	-1.0000
-127	8.7255	0.85839	0.14704	0.31175	-1.0000
-137	9.0105	0.88634	0.14761	0.32193	-1.0000
-147	9.3075	0.91484	0.15234	0.33229	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	6.8552	0.67432	0.11239	0.24403	0.39800
112	6.8102	0.66900	0.11157	0.24332	0.43100
127	7.4606	0.72385	0.12222	0.26655	0.44900
127	8.7255	0.85839	0.14704	0.31175	0.48600
137	9.0105	0.88634	0.14761	0.32193	0.52200
147	9.3075	0.91484	0.15234	0.33229	0.55800
157	10.285	1.0117	0.16850	0.26749	0.46300
157	10.285	1.0117	0.16850	0.26749	0.49500

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLOW

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	10.285	1.0117	0.16850	0.26749	0.46300
157	10.285	1.0117	0.16850	0.26749	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SIMON LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	10.285	1.0117	0.16850	0.26749	0.70700
157	10.285	1.0117	0.16850	0.26749	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SIMON LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	0.1456	0.00150	0.15015	0.27767	0.70300
157	8.0955	0.79633	0.13262	0.28974	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SIMON LOCATION

WASA-10WIS PRELIMINARY DATA 06/16/70 CANNON HEC 10/31/70 Q1377:21.547 FAR 0047 PCH 0036 PCH 1010

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVG WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
77	17.236	1.7053	0.15282	0.42520	0.43400
77	5.4370	0.53217	0.10206	0.22510	0.53300
47	6.9177	0.67096	0.12869	0.28789	0.63100
52	0.8318	0.78844	0.18576	0.40869	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
47	7.9596	0.79401	0.15038	0.33167	0.42700
67	5.5319	0.54490	0.10657	0.23051	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
77	17.498	1.9196	0.34820	0.91207	0.50800
77	0.7377	0.07092	0.17453	0.38493	0.58300
52	10.371	1.7147	0.19462	0.42825	0.67000

ADDITIONAL PRESSURE RATIOS, EXHAUST SURROUND

AVG WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
-177	6.8277	0.67184	0.12887	0.28422	-1.0000
-117	6.7559	0.66545	0.12764	0.28151	-1.0000
-127	7.3601	0.72408	0.13506	0.30670	-1.0000
-127	8.6685	0.85385	0.16378	0.36122	-1.0000
-137	8.9631	0.88287	0.16534	0.37369	-1.0000
-147	0.2377	0.07092	0.17444	0.38473	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD IMPET

AVG WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
107	6.8277	0.67184	0.12887	0.28422	0.39800
117	6.7559	0.66545	0.12764	0.28151	0.43100
127	7.3601	0.72408	0.13506	0.30670	0.44900
127	8.6685	0.85385	0.16378	0.36122	0.48600
137	8.9631	0.88287	0.16534	0.37369	0.52200
147	0.2377	0.07092	0.17444	0.38473	0.58800
-157	10.371	1.7147	0.19462	0.42825	1.0000
-167	10.371	1.7147	0.19462	0.42825	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
157	17.271	1.7117	0.17406	0.42800	0.46300
167	17.271	1.7117	0.17406	0.42800	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SURROUND LOCATION

AVG WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
177	17.271	1.7117	0.17406	0.42800	0.70300
177	17.271	1.7117	0.17406	0.42800	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SURROUND LOCATION

AVG WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
187	0.2527	0.01140	0.17401	0.38556	0.70300
187	0.2527	0.01140	0.17401	0.38556	0.84400

ADDITIONAL MEASURED THINNESS PARAMETERS

U.S. WOOD	M	M / M ₀	M / M ₀ F	M / M ₀ P	V / V ₀ M ₀
-7	0.4306	0.8696	0.4750	0.4360	0.4360
-7	0.4303	0.4724	0.1050	0.2300	0.5300
-7	0.4176	0.1890	0.1890	0.2300	0.6310
-7	0.4504	0.0325	0.1890	0.4079	0.7280

ADDITIONAL PRESSURE RATINGS • FLOW CAPACITY I.D.					
WATER	W.P.M.	W.P.S.F.	W.P.P.	W.P.M.X	
6.9152	0.64057	0.15175	0.33252	0.62200	
4.2103	0.67723	0.10526	0.23022	2.67099	

	PL	M / MIN	M / SEC	M / PTP	N / MAX
77	16.416	1.4550	0.36903	0.80866	0.50800
82	9.936	0.9835	0.21931	0.68056	0.58100
87	10.204	1.0135	0.27550	0.68821	0.67000

WIND WPTD	W	W / W0	W / W0	W / W0	W / W0	W / W0
107	6.8602	0.47516	0.14056	0.22988	-1.00000	-1.00000
112	6.8352	0.27796	0.26909	0.27068	-1.30000	-1.30000
127	7.6800	0.23676	0.34616	0.34068	-1.03000	-1.03000
134	8.2946	0.85042	0.15164	0.42001	-1.00000	-1.00000
137	9.7101	0.88076	0.17092	0.23398	-1.00000	-1.00000
152	9.7491	0.22011	0.20816	0.44056	-1.00000	-1.00000

U.S. AIR FORCE	DATE	TIME	LOCATION	REMARKS
1st	10/10/54	10:00	1000	1000
2nd	10/10/54	10:00	1000	1000
3rd	10/10/54	10:00	1000	1000
4th	10/10/54	10:00	1000	1000
5th	10/10/54	10:00	1000	1000
6th	10/10/54	10:00	1000	1000
7th	10/10/54	10:00	1000	1000
8th	10/10/54	10:00	1000	1000
9th	10/10/54	10:00	1000	1000
10th	10/10/54	10:00	1000	1000
11th	10/10/54	10:00	1000	1000
12th	10/10/54	10:00	1000	1000
13th	10/10/54	10:00	1000	1000
14th	10/10/54	10:00	1000	1000
15th	10/10/54	10:00	1000	1000
16th	10/10/54	10:00	1000	1000
17th	10/10/54	10:00	1000	1000
18th	10/10/54	10:00	1000	1000
19th	10/10/54	10:00	1000	1000
20th	10/10/54	10:00	1000	1000
21st	10/10/54	10:00	1000	1000
22nd	10/10/54	10:00	1000	1000
23rd	10/10/54	10:00	1000	1000
24th	10/10/54	10:00	1000	1000
25th	10/10/54	10:00	1000	1000
26th	10/10/54	10:00	1000	1000
27th	10/10/54	10:00	1000	1000
28th	10/10/54	10:00	1000	1000
29th	10/10/54	10:00	1000	1000
30th	10/10/54	10:00	1000	1000
31st	10/10/54	10:00	1000	1000
32nd	10/10/54	10:00	1000	1000
33rd	10/10/54	10:00	1000	1000
34th	10/10/54	10:00	1000	1000
35th	10/10/54	10:00	1000	1000
36th	10/10/54	10:00	1000	1000
37th	10/10/54	10:00	1000	1000
38th	10/10/54	10:00	1000	1000
39th	10/10/54	10:00	1000	1000
40th	10/10/54	10:00	1000	1000
41st	10/10/54	10:00	1000	1000
42nd	10/10/54	10:00	1000	1000
43rd	10/10/54	10:00	1000	1000
44th	10/10/54	10:00	1000	1000
45th	10/10/54	10:00	1000	1000
46th	10/10/54	10:00	1000	1000
47th	10/10/54	10:00	1000	1000
48th	10/10/54	10:00	1000	1000
49th	10/10/54	10:00	1000	1000
50th	10/10/54	10:00	1000	1000
51st	10/10/54	10:00	1000	1000
52nd	10/10/54	10:00	1000	1000
53rd	10/10/54	10:00	1000	1000
54th	10/10/54	10:00	1000	1000
55th	10/10/54	10:00	1000	1000
56th	10/10/54	10:00	1000	1000
57th	10/10/54	10:00	1000	1000
58th	10/10/54	10:00	1000	1000
59th	10/10/54	10:00	1000	1000
60th	10/10/54	10:00	1000	1000
61st	10/10/54	10:00	1000	1000
62nd	10/10/54	10:00	1000	1000
63rd	10/10/54	10:00	1000	1000
64th	10/10/54	10:00	1000	1000
65th	10/10/54	10:00	1000	1000
66th	10/10/54	10:00	1000	1000
67th	10/10/54	10:00	1000	1000
68th	10/10/54	10:00	1000	1000
69th	10/10/54	10:00	1000	1000
70th	10/10/54	10:00	1000	1000
71st	10/10/54	10:00	1000	1000
72nd	10/10/54	10:00	1000	1000
73rd	10/10/54	10:00	1000	1000
74th	10/10/54	10:00	1000	1000
75th	10/10/54	10:00	1000	1000
76th	10/10/54	10:00	1000	1000
77th	10/10/54	10:00	1000	1000
78th	10/10/54	10:00	1000	1000
79th	10/10/54	10:00	1000	1000
80th	10/10/54	10:00	1000	1000
81st	10/10/54	10:00	1000	1000
82nd	10/10/54	10:00	1000	1000
83rd	10/10/54	10:00	1000	1000
84th	10/10/54	10:00	1000	1000
85th	10/10/54	10:00	1000	1000
86th	10/10/54	10:00	1000	1000
87th	10/10/54	10:00	1000	1000
88th	10/10/54	10:00	1000	1000
89th	10/10/54	10:00	1000	1000
90th	10/10/54	10:00	1000	1000
91st	10/10/54	10:00	1000	1000
92nd	10/10/54	10:00	1000	1000
93rd	10/10/54	10:00	1000	1000
94th	10/10/54	10:00	1000	1000
95th	10/10/54	10:00	1000	1000
96th	10/10/54	10:00	1000	1000
97th	10/10/54	10:00	1000	1000
98th	10/10/54	10:00	1000	1000
99th	10/10/54	10:00	1000	1000
100th	10/10/54	10:00	1000	1000

NO	NO	PI	PI / 200	PI / 200	PI / 200
157	10.283	1.0121	0.22566	0.40469	0.46300
158	10.283	1.0121	0.22566	0.40469	0.46300

UN	QREN	M	M / 200	M / 250	M / 275	M / 300	M / 325	M / 350	M / 375	M / 400
167		17.203	1.0121	0.2255	0.4060	0.6060	0.8060	1.0060	1.2060	1.4060
168		17.374	1.0116	0.2255	0.4060	0.6060	0.8060	1.0060	1.2060	1.4060

MASSACHUSETTS PRELIMINARY DATA 12/15/70 CANNONET REF 12/31/70 01:35:47.005

FOR ANALYSIS

PCN 0034

REV 32
PAGE 1812

ADDITIONAL PRESSURE RATIOS, PRIMARY MUG

AVG WIND	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
22	6.9276	0.68746	0.17671	0.42305	0.43400
27	8.4622	0.87757	0.26088	0.52837	0.53300
47	9.3221	0.88825	0.25358	0.56778	0.63100
52	9.3623	0.91171	0.26712	0.56862	0.72900

ADDITIONAL PRESSURE RATIOS, SLOW SPLITTED L.O.

AVG WIND	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
62	5.5176	0.56322	0.15598	0.23500	0.42700
67	5.2324	0.81050	0.22138	0.49983	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTED O.O.

AVG WIND	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
77	13.159	1.2856	0.26086	0.79898	0.50800
92	14.426	1.6565	0.47201	1.0216	0.58300
92	10.397	1.0147	0.28588	0.62576	0.67000

ADDITIONAL PRESSURE RATIOS, EJECTION SURGE

AVG WIND	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
-107	6.9277	0.67220	0.19180	0.41454	-1.0000
-112	6.7927	0.66875	0.19097	0.41242	-1.7000
-122	7.4376	0.73225	0.23054	0.45157	-1.0000
-127	8.6623	0.85282	0.26746	0.52503	-1.0000
-137	9.9722	0.88333	0.25217	0.54675	-1.0000
-152	9.3221	0.91177	0.26201	0.56500	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTION SURGE

AVG WIND	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
107	6.9277	0.67220	0.19180	0.41454	1.7000
112	6.7927	0.66875	0.19097	0.41242	0.43100
122	7.4376	0.73225	0.23054	0.45157	0.44900
127	8.6623	0.85282	0.26746	0.52503	0.48000
137	9.9722	0.88333	0.25217	0.54675	0.52700
142	9.3221	0.91177	0.26201	0.56500	0.58800
152	10.397	1.0147	0.28588	0.62576	1.0000
157	13.159	1.2856	0.26086	0.79898	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WIND	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
152	10.292	1.0122	0.28807	0.62425	0.40700
157	13.277	1.0117	0.28803	0.62364	0.40500

ADDITIONAL PRESSURE RATIOS, 20 DEG SLOPE LOCATION

AVG WIND	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
167	10.277	1.0117	0.28807	0.62364	0.79300
172	10.292	1.0122	0.28807	0.62425	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SLOPE LOCATION

AVG WIND	PI	PI/PD	PI/PTE	PI/PTP	X/PMAX
182	9.2570	0.91178	0.26010	0.56274	0.79300
187	8.3374	0.91788	0.27740	0.53619	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SLOPE LOCATION

ORIGINAL PAGE IS
OF POOR QUALITY

WASA-LEWIS PRELIMINARY DATA 06/14/75 CRODRELL PFC 10/31/70 01:41:19.512

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PG# 0934

REV 32
PAGE 1013

ADDITIONAL PRESSURE RATINGS , PRIMARY MISC

AVG WOOD	PL	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	7.7551	0.76266	0.75145	0.42547	0.43400
77	9.3130	0.87401	0.75145	0.42547	0.53300
47	8.9753	0.87257	0.75264	0.42547	0.47100
52	9.3549	0.87076	0.75554	0.42578	0.72900

ADDITIONAL PRESSURE RATINGS , FLOW SPLITTER I.D.

AVG WOOD	PL	PI/PO	PI/PTF	PI/PTP	X/DMAX
47	6.1190	0.49977	0.17263	0.23521	0.42700
47	8.6300	0.94848	0.26355	0.47347	0.67300

ADDITIONAL PRESSURE RATINGS , FLOW SPLITTER O.D.

AVG WOOD	PL	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	13.133	1.2917	0.37077	0.72079	0.50800
82	16.305	1.6522	0.47425	0.92197	0.58300
92	10.315	1.0141	0.29109	0.56588	0.67000

ADDITIONAL PRESSURE RATINGS , EJECTION TUBING

AVG WOOD	PL	PI/PO	PI/PTF	PI/PTP	X/DMAX
-107	6.9151	0.67004	0.19233	0.27390	-1.0000
-112	6.7801	0.56888	0.19174	0.27198	-1.0000
-122	7.4251	0.73072	0.20655	0.40737	-1.0000
-127	8.4853	0.85388	0.24510	0.47649	-1.0000
-137	8.9753	0.87466	0.25215	0.49070	-1.0000
-142	9.2700	0.91237	0.26149	0.50912	-1.0000

ADDITIONAL PRESSURE RATINGS , FIBERGLASS TIE

AVG WOOD	PL	PI/PO	PI/PTF	PI/PTP	X/DMAX
127	6.9151	0.67004	0.19233	0.27390	0.30800
112	6.7801	0.66660	0.19134	0.27138	0.43100
122	7.4251	0.73072	0.20655	0.40737	0.44900
127	8.4853	0.85388	0.24510	0.47649	0.48800
137	8.9753	0.87466	0.25215	0.49070	0.52200
142	9.2700	0.91237	0.26149	0.50912	0.58800
152	10.285	1.0112	0.29074	0.56424	0.68400
157	13.283	1.0107	0.29010	0.56307	0.78900

ADDITIONAL PRESSURE RATINGS , FAN MOTOR FLAP

AVG WOOD	PL	PI/PO	PI/PTF	PI/PTP	X/DMAX
152	10.285	1.0112	0.29074	0.56424	0.68300
157	13.283	1.0107	0.29010	0.56307	0.78400

ADDITIONAL PRESSURE RATINGS , NO DEF SURCHIN LOCATION

AVG WOOD	PL	PI/PO	PI/PTF	PI/PTP	X/DMAX
152	10.285	1.0112	0.29074	0.56424	0.78300
157	13.283	1.0112	0.29074	0.56424	0.84600

ADDITIONAL PRESSURE RATINGS , NO DEF SURCHIN LOCATION

AVG WOOD	PL	PI/PO	PI/PTF	PI/PTP	X/DMAX
152	9.2700	0.90844	0.26076	0.53603	0.79200
157	9.2051	0.91555	0.27310	0.65509	0.84600

ADDITIONAL PRESSURE RATINGS , SURCHIN REMOVED

VASA-1015 PRELIMINARY DATA 30/10/79 CADDRE1 PFR 10/31/79 01:42:45.749 FAP REACT PCM 1034 RWG 1014

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
32	0.9365	0.06883	0.21477	0.42628	0.43400
7	0.2251	0.51267	0.11265	0.22567	0.53000
47	0.5706	0.64893	0.16364	0.28512	0.63100
52	0.5668	0.96729	0.21845	0.41372	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
42	0.6796	0.75629	0.16766	0.33276	0.42200
47	0.3301	0.52408	0.11638	0.23099	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER R.O.

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	15.861	1.6607	0.36815	0.73070	0.50000
82	0.7615	0.96165	0.21314	0.42303	0.58300
92	10.306	1.0151	0.22507	0.44662	0.67000

ADDITIONAL PRESSURE RATIOS, ELECTRIC SUBMER

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	0.8142	0.67116	0.16878	0.29531	-1.3000
-112	0.7543	0.65525	0.16748	0.29271	-1.0000
-127	0.3339	0.72236	0.16712	0.31782	-1.0000
-127	0.6122	0.84833	0.19805	0.37325	-1.0000
-137	0.9124	0.87782	0.19460	0.38474	-1.0000
-142	0.2471	0.91774	0.21190	0.40074	-1.0000

ADDITIONAL PRESSURE RATIOS, POWERED IMFT

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	0.8142	0.67116	0.16878	0.29531	0.39000
112	0.7543	0.65525	0.16748	0.29271	0.43100
127	0.3339	0.72236	0.16712	0.31782	0.44900
127	0.6122	0.84833	0.19805	0.37325	0.48600
137	0.9124	0.87782	0.19460	0.38474	0.52200
142	0.2471	0.91774	0.21190	0.40074	0.58800
152	10.281	1.0126	0.22449	0.44556	1.0000
157	10.286	1.0131	0.22459	0.44576	1.0000

ADDITIONAL PRESSURE RATIOS, FAP MOTOR FLAP

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
152	10.281	1.0126	0.22449	0.44556	0.46300
157	10.286	1.0131	0.22459	0.44576	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOCK LOCATION

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
167	10.286	1.0131	0.22459	0.44576	0.70700
177	10.281	1.0126	0.22449	0.44556	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHOCK LOCATION

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
182	0.2621	0.01225	0.20722	0.40170	0.79300
187	0.7723	0.87668	0.18792	0.36286	0.84600

SECTION 5 MEASURED TURBINE PARAMETERS

MASA-LEWIS PRELIMINARY DATA 06/14/70 CONFIDENTIAL PER 10/31/70 01:47:10.737 SAC AUGER PCP 1996 RW 33
PGC 1016

ADDITIONAL PRESSURE RATIOS, PRIMARY MINE

AVD MORN	PI	M/PO	M/PTF	PI/PTP	X/DMAK
27	13.720	1.7004	0.21674	0.42867	1.43603
27	6.0864	0.68689	0.11425	0.22638	1.53300
47	9.8177	1.96503	0.14423	0.28573	1.63100
47	10.876	1.0401	0.17782	0.25225	0.72803

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD MORN	PI	M/PO	M/PTF	PI/PTP	X/DMAK
67	10.133	1.0130	0.16850	0.33387	1.42200
67	7.1764	0.70558	0.11736	0.22255	0.67903

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER P.O.

AVD MORN	PI	M/PO	M/PTF	PI/PTP	X/DMAK
77	22.428	2.2050	0.34477	0.72674	0.50800
82	9.4991	0.97382	0.15533	0.30777	0.58300
92	10.314	1.0145	0.16874	0.33435	0.67800

ADDITIONAL PRESSURE RATIOS, SECTION SURF

AVD MORN	PI	M/PO	M/PTF	PI/PTP	X/DMAK
-107	6.9613	0.67458	0.11221	0.22233	-1.0000
-112	6.9613	0.67458	0.11221	0.22233	-1.0000
-127	7.9168	0.73903	0.12253	0.24257	-1.0000
-127	9.7777	0.96300	0.14255	0.28443	-1.0000
-127	9.3579	0.90054	0.14013	0.29351	-1.0000
-147	6.3325	0.6125	0.16862	0.33371	-1.0000

ADDITIONAL PRESSURE RATIOS, EXPEDIENT IMET

AVD MORN	PI	M/PO	M/PTF	PI/PTP	X/DMAK
107	6.9613	0.67458	0.11221	0.22233	0.79800
112	6.9613	0.67458	0.11221	0.22233	0.43109
127	7.9168	0.73903	0.12253	0.24257	0.44900
127	9.7777	0.96300	0.14255	0.28443	0.48600
127	9.3579	0.90054	0.14013	0.29351	0.52200
147	6.3325	0.6125	0.16862	0.33371	0.58803
147	10.208	1.0125	0.16862	0.33371	1.0000
157	10.208	1.0125	0.16862	0.33371	1.0000

ADDITIONAL PRESSURE RATIOS, FAN MOTTIE FLAP

AVD MORN	PI	M/PO	M/PTF	PI/PTP	X/DMAK
157	10.299	1.0125	0.16862	0.33371	0.46300
157	10.299	1.0125	0.16862	0.33371	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIMON LOCATION

AVD MORN	PI	M/PO	M/PTF	PI/PTP	X/DMAK
167	10.293	1.0120	0.16823	0.33354	0.79300
177	10.333	1.0133	0.16853	0.33387	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHIMON LOCATION

AVD MORN	PI	M/PO	M/PTF	PI/PTP	X/DMAK
182	9.2113	0.91579	0.15064	0.29853	0.79300
187	8.1773	0.80397	0.13373	0.26407	1.04400

SHIMON 5 - MEASURED TURBIDITY PARAMETERS

ORIGINAL PAGE IS
OF POOR QUALITY

3115 Avenue 'L' Suite 405, San Francisco, California

Year	PL	M/ton	M/dec	M/1910	M/1900
1900	15.263	1.6097	0.21370	0.62161	0.63630
1907	0.3531	0.79171	0.27272	0.27272	0.33000
1917	10.336	1.3926	0.16706	0.29172	0.33100
1927	10.503	1.0616	0.14062	0.29267	1.72900

ANNITIMU POSSIPE RATINS , FICH SPIITR 1.2.

LN WTRN	PL	W/M	M/PT	PI/PT	K/MAX
6.7	11.002	1.1783	3.16307	0.33110	0.42209

ACQUITTAL PROFESSOR RATONS, FIRM CIPHER C.O.

Run	PL	W / W ₀	W / W ₀ + 1	W / W ₀ + 2	W / W ₀ + 3
77	26.367	0.9990	0.3453	0.7280	0.5000
97	10.720	0.9952	0.1407	0.2789	0.5800
97	11.331	1.0156	0.1674	0.2851	0.6000

SALESY/6001 - ECEGTF/SAVIR - ECEGTF/SAVIR

[illegible]

>PROTITINAL PEESS-PE RAYNS . ENDEBRY IM FY

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																		
1970	6.9376	6.9424	6.9472	6.9520	6.9568	6.9616	6.9664	6.9712	6.9760	6.9808	6.9856	6.9904	6.9952	7.0000	7.0048	7.0096	7.0144	7.0192	7.0240	7.0288	7.0336	7.0384	7.0432	7.0480	7.0528	7.0576	7.0624	7.0672	7.0720	7.0768	7.0816	7.0864	7.0912	7.0960	7.1008	7.1056	7.1104	7.1152	7.1200	7.1248	7.1296	7.1344	7.1392	7.1440	7.1488	7.1536	7.1584	7.1632	7.1680	7.1728	7.1776	7.1824	7.1872	7.1920	7.1968	7.2016	7.2064	7.2112	7.2160	7.2208	7.2256	7.2304	7.2352	7.2400	7.2448	7.2496	7.2544	7.2592	7.2640	7.2688	7.2736	7.2784	7.2832	7.2880	7.2928	7.2976	7.3024	7.3072	7.3120	7.3168	7.3216	7.3264	7.3312	7.3360	7.3408	7.3456	7.3504	7.3552	7.3600	7.3648	7.3696	7.3744	7.3792	7.3840	7.3888	7.3936	7.3984	7.4032	7.4080	7.4128	7.4176	7.4224	7.4272	7.4320	7.4368	7.4416	7.4464	7.4512	7.4560	7.4608	7.4656	7.4704	7.4752	7.4800	7.4848	7.4896	7.4944	7.4992	7.5040	7.5088	7.5136	7.5184	7.5232	7.5280	7.5328	7.5376	7.5424	7.5472	7.5520	7.5568	7.5616	7.5664	7.5712	7.5760	7.5808	7.5856	7.5904	7.5952	7.6000	7.6048	7.6096	7.6144	7.6192	7.6240	7.6288	7.6336	7.6384	7.6432	7.6480	7.6528	7.6576	7.6624	7.6672	7.6720	7.6768	7.6816	7.6864	7.6912	7.6960	7.7008	7.7056	7.7104	7.7152	7.7200	7.7248	7.7296	7.7344	7.7392	7.7440	7.7488	7.7536	7.7584	7.7632	7.7680	7.7728	7.7776	7.7824	7.7872	7.7920	7.7968	7.8016	7.8064	7.8112	7.8160	7.8208	7.8256	7.8304	7.8352	7.8400	7.8448	7.8496	7.8544	7.8592	7.8640	7.8688	7.8736	7.8784	7.8832	7.8880	7.8928	7.8976	7.9024	7.9072	7.9120	7.9168	7.9216	7.9264	7.9312	7.9360	7.9408	7.9456	7.9504	7.9552	7.9600	7.9648	7.9696	7.9744	7.9792	7.9840	7.9888	7.9936	7.9984	8.0032	8.0080	8.0128	8.0176	8.0224	8.0272	8.032

REPLY TO: PRESIDENT PATRICK, CAN WE TALK PLAS

Q	M / MAY	M / MAY	M / MAY
10.333	1.0126	0.14432	0.28449
157	10.333	1.0126	0.28449
			0.46300
			0.49500

DECLARATION OF INTEREST

מס' תעודת זהות	שם פרטי	שם משפחה	מס' תעודת זהות	שם פרטי	שם משפחה
167	דניאל	גורן	172	דניאל	גורן
172	דניאל	גורן	172	דניאל	גורן

ANNUAL CONFERENCE, 2015

Year	Q1	Q2	Q3	Q4	Q1 / Q2	Q1 / Q3	Q1 / Q4	Q1 / Q4
1970	0.363	0.411	0.417	0.417	0.883	0.883	0.883	0.883
1971	0.363	0.411	0.417	0.417	0.883	0.883	0.883	0.883
1972	0.363	0.411	0.417	0.417	0.883	0.883	0.883	0.883

WASH-1000 PRELIMINARY DATA 04/14/70 CANNONITE PTC 10/31/70 02:34:25.370 EAF 87401 PCN C736 ROW 32

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVN WPRD	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
77	15.159	1.5126	0.21522	0.42277	0.42400
77	0.3773	0.70600	0.11326	0.22207	0.53300
67	11.766	1.0115	0.16302	0.28326	0.62107
67	11.570	1.0795	0.16777	0.25066	0.72900

ADDITIONAL PRESSURE RATIOS, FIRM SPLITTER 1.0.

AVN WPRD	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
67	11.951	1.1777	0.16357	0.22556	0.42200
67	0.7219	0.72010	0.11466	0.22976	0.67000

ADDITIONAL PRESSURE RATIOS, FIRM SPLITTER 0.0.

AVN WPRD	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
77	26.166	2.5786	0.26689	0.72267	0.50000
87	10.339	0.08669	0.14075	0.27635	0.58300
67	10.306	1.0156	0.16668	0.28668	0.67000

ADDITIONAL PRESSURE RATIOS, EXTRACTOR SURCHIN

AVN WPRD	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
-107	6.9787	0.67787	0.006651	0.18091	-1.0000
-112	6.9696	0.69676	0.007231	0.19186	-1.0000
-122	7.6179	0.75071	0.10681	0.21032	-1.0000
-127	8.9711	0.87622	0.12439	0.24602	-1.0000
-137	9.1237	0.89883	0.12789	0.25181	-1.0000
-147	9.3903	0.92539	0.13167	0.25076	-1.0000

ADDITIONAL PRESSURE RATIOS, EXTRACTOR IMLET

AVN WPRD	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
107	6.9787	0.67787	0.006651	0.18091	0.30000
112	6.9696	0.69676	0.007231	0.19186	0.43100
122	7.6179	0.75071	0.10681	0.21032	0.44900
127	8.9711	0.87622	0.12439	0.24602	0.46000
137	9.1237	0.89883	0.12789	0.25181	0.52200
147	9.3903	0.92539	0.13167	0.25076	0.58000
157	10.276	1.0125	0.14606	0.28365	1.0000
167	10.276	1.0125	0.14606	0.28365	1.0000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLAP

AVN WPRD	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
157	11.776	1.0125	0.14606	0.28365	0.46300
167	11.776	1.0125	0.14606	0.28365	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SURCHIN LOCATION

AVN WPRD	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
157	11.769	1.0120	0.14600	0.28352	0.79300
177	11.769	1.0120	0.14600	0.28352	0.84600

ADDITIONAL PRESSURE RATIOS, 40 DEG SURCHIN LOCATION

AVN WPRD	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
107	9.3136	0.91752	0.12055	0.25705	0.79000
107	8.7919	0.81616	0.11617	0.22966	0.84600

SURCHIN 5. MEASURED THROU PUMP

100-443887-1000

11-11-68 11:11 AM 11-11-68

with assumed, political and

PL	PL / PD	PL / PF	PL / PTP
12 178	0 2103	0 21013	0 6280
12 179	0 2103	0 21013	0 6280
12 180	0 2103	0 21013	0 6280
12 181	0 2103	0 21013	0 6280
12 182	0 2103	0 21013	0 6280
12 183	0 2103	0 21013	0 6280
12 184	0 2103	0 21013	0 6280
12 185	0 2103	0 21013	0 6280
12 186	0 2103	0 21013	0 6280
12 187	0 2103	0 21013	0 6280
12 188	0 2103	0 21013	0 6280
12 189	0 2103	0 21013	0 6280
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12 192	0 2103	0 21013	0 6280
12 193	0 2103	0 21013	0 6280
12 194	0 2103	0 21013	0 6280
12 195	0 2103	0 21013	0 6280
12 196	0 2103	0 21013	0 6280
12 197	0 2103	0 21013	0 6280
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12 199	0 2103	0 21013	0 6280
12 200	0 2103	0 21013	0 6280
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12 202	0 2103	0 21013	0 6280
12 203	0 2103	0 21013	0 6280
12 204	0 2103	0 21013	0 6280
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12 208	0 2103	0 21013	0 6280
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12 215	0 2103	0 21013	0 6280
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12 248	0 2103	0 21013	0 6280
12 249	0 2103	0 21013	0 6280
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[illegible][illegible][illegible][illegible][illegible]

67	7.1932	0.73711	0.11776	0.23115
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EXTRACTION PRESSURE GATINGS • FLOW CAPILLARY C.O.

[illegible]

77	77	27.260	2.1092	0.30653	0.7164
02	02	0.5767	7.93790	0.15873	0.3956

52	10.376	1.7145	0.16093	0.3321
53	10.376	1.7145	0.16093	0.3321

GROWING OUTSIDE THE CONVENTION

DATE	TIME	LOCATION	REMARKS
11/11/54	11:00	11/11/54	11/11/54

6.9606	7.47415	0.11225	0.2207
6.1177	7.47415	0.11225	0.2207
4.8706	7.47415	0.11225	0.2207
2.4706	7.47415	0.11225	0.2207

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127	1.153	7.06156	7.16362	0.32021
128	1.152	7.09107	7.14027	0.39170

Year	1962	1963	1964	1965
1962	0.1169	0.1571	0.2092	

PERSONAL POSSIBLE PATIENS, EXPENSES 1015

9447-14 - 9447-14 - 9447-14

0-2287	0-11725	0-17415	6-9686	107
0-2290	0-11182	0-67218	4-3786	117

[illegible][illegible][illegible]

157	12.776	1.0116	2.14843	0.23132
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DECLASSIFICATION AUTHORITY DERIVED FROM:
FBI AUTOMATIC DECLASSIFICATION GUIDE

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100-443886-100

177	13.271	11.801	5.601	Office U.
178	13.271	11.801	5.601	Office U.
179	13.271	11.801	5.601	Office U.
180	13.271	11.801	5.601	Office U.
181	13.271	11.801	5.601	Office U.
182	13.271	11.801	5.601	Office U.
183	13.271	11.801	5.601	Office U.
184	13.271	11.801	5.601	Office U.
185	13.271	11.801	5.601	Office U.
186	13.271	11.801	5.601	Office U.
187	13.271	11.801	5.601	Office U.
188	13.271	11.801	5.601	Office U.
189	13.271	11.801	5.601	Office U.
190	13.271	11.801	5.601	Office U.
191	13.271	11.801	5.601	Office U.
192	13.271	11.801	5.601	Office U.
193	13.271	11.801	5.601	Office U.
194	13.271	11.801	5.601	Office U.
195	13.271	11.801	5.601	Office U.
196	13.271	11.801	5.601	Office U.
197	13.271	11.801	5.601	Office U.
198	13.271	11.801	5.601	Office U.
199	13.271	11.801	5.601	Office U.
200	13.271	11.801	5.601	Office U.

THE UNIVERSITY OF CHICAGO LIBRARY

[illegible][illegible][illegible]

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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 10

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MIKE ASHIDA • SUITE 400, 2000
2671 N. VILVA AVE. CHICAGO, ILL. 60641

[illegible]

COMPRESSION PRESSURE RATIOS - FLOW SPLITTER I.O.						
	PL	W/PO	W/PIF	W/OTF	W/OTAX	
W/PO	7.4623		0.14137	0.27750	0.42700	
F2	7.4973	0.74973	0.14353	0.28252	0.67000	
A7						

ADDITIONAL PRESSURE RATIOS, ρ , FLOW SOLVENT, C ₆ H ₆	PI	PL/PN	W/PVF	PL/PTP	I/NALX
77	1.324	1.9060	0.3648	0.7158	0.5000
77	9.220	0.9050	0.1747	0.3423	0.5700
77	19.27	1.0131	0.1045	0.3496	0.6700

SUBJECT	DOWN	WINGING	RATING	ELECTRON	CURRENT
	M / W	M / W	M / W	M / W	M / W
	6.753	0.67290	0.12926	0.75370	-1.0000
	6.753	0.67290	0.12926	0.75370	-1.0000

ADDITIONAL PERSONS • PERCENT	ADDITIONAL
0.237	0.0710
0.9621	0.1638
0.572	0.0508
0.127	0.00710
0.2103	0.3430
-1.0000	-1.0000

[illegible]

ADDITIONAL PRESSURE PAINS - FAN NOZZLE FLAP					
14.	60.979	70.018	91.740	0.5626	7.4800
15.	10.252	1.011	10.241	0.2812	1.0020
16.	10.252	1.011	10.241	0.2812	1.0000

ADDITIONAL OPERATIONS, 20 DEC. SPECIMEN LOCATION									
NO	NO. 255	NO. 256	NO. 257	NO. 258	NO. 259	NO. 260	NO. 261	NO. 262	NO. 263
157	10.255	1.0111	0.15271	0.30122	0.45300				
157	10.255	1.0111	0.15271	0.30122	0.45300				

[illegible][illegible]

NASA-LEWIS PRELIMINARY DATA 4/14/79 CANNON REC 10/31/79 02:11:33.614 FAC BRANK PG# 0034 PG 1021

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
37	13.056	0.75756	0.71654	0.42670	3.43400
37	4.7215	0.43320	0.17297	0.24231	3.53300
47	17.721	0.70674	0.29202	0.3980	3.63100
57	13.396	0.71895	0.20548	0.40490	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
62	8.5316	0.58993	0.16863	0.23228	0.42200
67	5.9515	0.41153	0.11767	0.23170	0.47000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
77	19.490	1.2785	0.38545	0.72012	0.50000
87	23.885	1.6515	0.47209	0.93024	0.58300
92	14.433	0.99833	0.28529	0.56214	3.67000

ADDITIONAL PRESSURE RATIOS, EJECTION GUNNERS

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
-107	14.408	0.99630	0.28470	0.56117	-1.0000
-112	14.386	0.99458	0.28420	0.56020	-1.0000
-122	14.374	0.99380	0.28410	0.55991	-1.0000
-127	14.374	0.99380	0.28410	0.55991	-1.0000
-137	14.356	0.99559	0.28177	0.55514	-1.0000
-142	13.999	0.95485	0.27294	0.53782	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTION IMPLY

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
107	14.408	0.99630	0.28470	0.56117	3.39800
112	14.386	0.99458	0.28420	0.56020	0.43100
122	14.374	0.99380	0.28410	0.55991	0.44900
127	14.374	0.99380	0.28410	0.55991	0.44900
137	14.356	0.99559	0.28177	0.55514	0.52200
142	13.999	0.95485	0.27294	0.53782	0.58800
152	14.433	0.99833	0.28529	0.56214	1.0000
157	14.422	0.99760	0.28518	0.56105	1.0000

ADDITIONAL PRESSURE RATIOS, FAN MODULE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
152	14.433	0.99833	0.28529	0.56214	3.46300
157	14.422	0.99760	0.28518	0.56105	3.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOCK LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
147	14.433	0.99833	0.28529	0.56214	3.79300
177	14.433	0.99833	0.28529	0.56214	3.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHOCK LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/PMAX
107	12.985	0.80093	0.25467	0.57182	3.79300
187	12.973	0.79506	0.25590	0.49851	3.84400

ADDITIONAL PRESSURE RATIOS, 60 DEG SHOCK LOCATION

VACS-1 CMIS PRELIMINARY DATA M/14/79 CANNELL REC 10/31/79 07:14:11.786 FAC REVAL PG# 094 ROW 32
PG# 1023

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVD WORN	PI	M/PN	M/PTF	M/PTP	X/DMAX
37	16.200	1.1302	0.21608	0.42728	0.43400
37	16.425	0.99376	0.11352	0.22453	0.53300
47	17.882	1.75461	0.14477	0.28525	0.63100
52	10.927	0.75070	0.14354	0.28701	0.72930

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WORN	PI	M/PN	M/PTF	M/PTP	X/DMAX
12	12.606	0.88341	0.16837	0.33292	0.42200
67	8.9575	0.61427	0.11747	0.23226	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WORN	PI	M/PN	M/PTF	M/PTP	X/DMAX
77	27.477	1.5326	0.26549	0.73079	0.50800
87	12.761	0.88401	0.16919	0.33462	0.58300
97	14.385	0.99753	0.19072	0.37721	0.67000

~~ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLAP~~

AVD WORN	PI	M/PN	M/PTF	M/PTP	X/DMAX
-107	14.350	0.99510	0.10025	0.37429	-1.0000
-112	14.325	0.99337	0.10002	0.37563	-1.0000
-122	14.310	0.99233	0.18572	0.37524	-1.0000
-127	14.315	0.99267	0.18570	0.37547	-1.0000
-137	14.275	0.99505	0.18573	0.37749	-1.0000
-142	13.809	0.95606	0.18566	0.36188	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLAP

AVD WORN	PI	M/PN	M/PTF	M/PTP	X/DMAX
107	14.350	0.99510	0.10025	0.37429	0.39800
112	14.325	0.99337	0.10002	0.37563	0.43100
122	14.310	0.99233	0.18572	0.37524	0.44900
127	14.315	0.99267	0.18570	0.37547	0.44600
137	14.275	0.99505	0.18573	0.37749	0.52200
142	13.809	0.95606	0.18566	0.36188	0.58800
152	14.300	0.99782	0.10078	0.37724	1.0000
157	14.353	0.99782	0.10078	0.37724	1.0000

ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLAP

AVD WORN	PI	M/PN	M/PTF	M/PTP	X/DMAX
157	14.399	0.99787	0.10079	0.37724	0.46300
157	14.399	0.99787	0.10079	0.37724	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIPW LOCATION

AVD WORN	PI	M/PN	M/PTF	M/PTP	X/DMAX
167	14.300	0.99797	0.10079	0.37734	0.79100
172	14.245	0.99752	0.10072	0.37721	0.84400

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIPW LOCATION

AVD WORN	PI	M/PN	M/PTF	M/PTP	X/DMAX
187	13.116	0.99951	0.17390	0.24393	0.79300
197	13.741	0.99477	0.17309	0.24196	0.84400

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIPW LOCATION

MEAS-1 FMS PRELIMINARY DATA

06/14/79

CANDFII

REF 10/31/79 07:16:42.678

FAC RYAKI

PGM C934

RAW 32
000 1826

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	14.547	1.2885	0.2166	0.42759	1.43400
37	9.7453	0.67776	0.11790	0.21467	0.53300
47	12.193	0.86106	0.14497	0.28573	0.63100
57	13.273	0.91726	0.15444	0.30438	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	14.501	1.0075	0.16063	0.33432	0.42700
67	10.130	0.70379	0.11949	0.23355	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.506	2.1898	0.34952	0.72633	0.50000
82	13.273	0.92212	0.15525	0.30600	0.58300
92	14.377	0.99882	0.16817	0.33145	0.67000

ADDITIONAL PRESSURE RATIOS , EJECTION CURBOW

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.327	0.99535	0.16758	0.33029	-1.0000
-112	14.297	0.99326	0.16722	0.32960	-1.0000
-127	14.277	0.99188	0.16750	0.32916	-1.0000
-127	14.267	0.99202	0.16717	0.32949	-1.0000
-137	14.167	0.98624	0.16571	0.32661	-1.0000
-142	13.767	0.95468	0.16106	0.31740	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD IMET

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.327	0.99535	0.16758	0.33029	0.30000
112	14.297	0.99326	0.16722	0.32960	0.43100
127	14.277	0.99188	0.16750	0.32916	0.44900
127	14.267	0.99202	0.16717	0.32949	0.48100
137	14.167	0.98624	0.16571	0.32661	0.52200
142	13.767	0.95468	0.16106	0.31740	0.58800
-107	14.327	0.99535	0.16758	0.33029	-1.0000
-112	14.297	0.99326	0.16722	0.32960	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
157	14.377	0.99882	0.16817	0.33145	0.46300
157	14.377	0.99882	0.16817	0.33145	0.46000

ADDITIONAL PRESSURE RATIOS , 20 DEG SURROUND LOCATION

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.377	0.99882	0.16817	0.33145	0.79900
177	14.377	0.99882	0.16817	0.33145	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SURROUND LOCATION

AVD WOOD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	12.193	0.91657	0.15422	0.30615	0.79300
187	12.119	0.91136	0.15244	0.30247	0.84400

ADDITIONAL MEASURED TURBINE PARAMETERS

NASA-LEHRS PRELIMINARY DATA 04/14/79 CANNON REC 10/31/75 02:17:00.811 FAC 004X1 PCN 0034 *Run 32*
 RRC 1025

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD HORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
37	18.512	1.2866	0.21666	0.42741	0.43400
37	0.7281	0.47500	0.11785	0.22460	0.53300
67	12.787	0.85971	0.14468	0.28541	0.63100
62	13.191	0.91665	0.15420	0.30656	0.72003

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED L.O.

AVD HORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
62	14.466	1.0052	0.16930	0.33390	0.42200
67	10.123	0.70343	0.11948	0.23372	0.67000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED C.O.

AVD HORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
77	11.444	0.1850	0.26800	0.72597	0.50807
82	13.261	0.92151	0.15521	0.30618	0.58300
92	14.381	0.00020	0.16831	0.33232	0.67000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED~~

AVD HORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
-107	14.376	0.99547	0.16764	0.33075	-1.0000
-117	14.306	0.99408	0.16763	0.33029	-1.0000
-127	14.281	0.99274	0.16714	0.32971	-1.0000
-127	14.286	0.99269	0.16710	0.32983	-1.0000
-127	14.176	0.99505	0.16591	0.32720	-1.0000
-167	14.376	0.99547	0.16764	0.33075	-1.0000

ADDITIONAL PRESSURE RATIOS , PRIMARY INLET

AVD HORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
107	14.376	0.99547	0.16764	0.33075	0.39800
112	14.306	0.99408	0.16763	0.33029	0.43100
127	14.281	0.99274	0.16714	0.32971	0.44900
127	14.286	0.99269	0.16710	0.32983	0.48600
127	14.176	0.99505	0.16591	0.32720	0.52200
167	14.376	0.99547	0.16764	0.33075	0.58800
-157	14.376	0.99547	0.16764	0.33075	-1.0000
-157	14.376	0.99547	0.16764	0.33075	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD HORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
157	14.376	0.99804	0.16825	0.33190	0.46300
157	14.376	0.99804	0.16825	0.33190	0.49500

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOOTING LOCATION

AVD HORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
167	14.376	0.99894	0.16825	0.33190	0.79300
177	14.376	0.99894	0.16825	0.33190	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHOOTING LOCATION

AVD HORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
107	13.196	0.91799	0.15445	0.30468	0.79300
187	13.177	0.91179	0.15257	0.30295	0.84400

ADDITIONAL MEASURED TURKEY PARAMETERS

Run 32

PGC 182A

PGC 6034

FAR 016X1

WFC 10/31/79 07:10:35.644

WNET1

7/1/79

NASA-1 FMS PRELIMINARY DATA

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVN WIND	PL	PL/MN	M/PTC	M/PTP	X/MAX
33	14.347	1.1747	0.21566	0.42710	0.43400
37	14.597	0.90500	0.11320	0.22441	0.53300
47	10.923	0.75864	0.14417	0.20557	0.53100
52	10.958	0.75403	0.14331	0.20387	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPI ITTER 1.0.

AVN WIND	PL	PL/MN	M/PTC	M/PTP	X/MAX
62	12.717	0.88313	0.16795	0.33248	0.47200
67	8.8937	0.61761	0.11739	0.23252	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPI ITTER 0.0.

AVN WIND	PL	PL/MN	M/PTC	M/PTP	X/MAX
77	27.940	1.9333	0.26746	0.27785	0.50800
82	12.752	0.88566	0.16821	0.33339	0.58300
92	14.346	0.90003	0.16084	0.37611	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPI ITTER 0.0.

AVN WIND	PL	PL/MN	M/PTC	M/PTP	X/MAX
-107	14.347	0.60521	0.18015	0.37467	-1.00000
-117	14.206	0.63278	0.18540	0.37376	-1.00000
-122	14.276	0.60279	0.18843	0.37323	-1.00000
-127	14.230	0.65244	0.18724	0.37363	-1.00000
-137	14.171	0.98411	0.15726	0.37964	-1.00000
-147	13.767	0.95467	0.18144	0.36930	-1.00000

ADDITIONAL PRESSURE RATIOS, FLOW SPI ITTER 0.0.

AVN WIND	PL	PL/MN	M/PTC	M/PTP	X/MAX
107	14.331	0.99521	0.18015	0.37467	0.39800
112	14.206	0.99278	0.18840	0.37376	0.43100
122	14.276	0.99130	0.18843	0.37323	0.44900
127	14.201	0.98244	0.18724	0.37363	0.46400
137	14.171	0.98411	0.18726	0.37049	0.52200
142	13.747	0.95467	0.18144	0.36930	0.58400
-152	14.346	0.90003	0.16084	0.37611	-1.00000
-162	14.346	0.90003	0.16084	0.37611	-1.00000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVN WIND	PL	PL/MN	M/PTC	M/PTP	X/MAX
152	14.346	0.90003	0.16084	0.37611	0.46300
162	14.346	0.90003	0.16084	0.37611	0.46500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOTGUN INCLINATION

AVN WIND	PL	PL/MN	M/PTC	M/PTP	X/MAX
167	14.346	0.90003	0.16084	0.37611	0.79300
172	14.346	0.90003	0.16084	0.37611	0.86400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHOTGUN INCLINATION

AVN WIND	PL	PL/MN	M/PTC	M/PTP	X/MAX
187	13.162	0.91763	0.17246	0.36358	0.70300
197	12.067	0.90723	0.17247	0.36162	0.84400

ADDITIONAL PRESSURE RATIOS, 60 DEG SHOTGUN INCLINATION

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NACA-11015

PRELIMINARY DATA

06/14/79

CAMBRIE

REF 10/31/79 03:15:51.711

FAC 09461

PG# 0036

ROW 52
006 1027

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/INMAX
32	13.727	0.97311	0.71816	0.42788	0.43400
37	7.0192	0.48619	0.11400	0.22536	0.53300
47	8.0991	0.61709	0.16594	0.28604	0.62100
52	11.189	0.77497	0.18215	0.35922	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/INMAX
47	10.359	0.71750	0.16054	0.23259	0.42200
47	7.2002	0.49035	0.11801	0.23146	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/INMAX
77	22.304	1.5649	0.36510	0.71610	0.50800
82	17.817	0.94318	0.27200	0.43719	0.58300
92	14.615	0.90856	0.23500	0.46285	0.67000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER SUBSONIC

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/INMAX
-107	14.351	0.90406	0.23492	0.46077	-1.0000
-117	14.326	0.90233	0.23451	0.45997	-1.0000
-127	14.301	0.90060	0.23410	0.45916	-1.0000
-137	14.276	0.89886	0.23369	0.45837	-1.0000
-147	14.172	0.88160	0.23199	0.45499	-1.0000
-157	13.657	0.84595	0.22355	0.43847	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER SUPERSONIC

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/INMAX
137	14.351	0.90406	0.23492	0.46077	0.39800
117	14.326	0.90233	0.23451	0.45997	0.43100
127	14.301	0.90060	0.23410	0.45916	0.46400
127	14.306	0.90094	0.23410	0.45917	0.48600
137	14.172	0.88160	0.23199	0.45499	0.52200
147	13.657	0.84595	0.22355	0.43847	0.58800
157	14.411	0.90856	0.23500	0.46285	0.60000
157	14.411	0.90856	0.23500	0.46285	1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER FLAP

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/INMAX
157	14.411	0.90856	0.23500	0.46285	0.46300
157	14.411	0.90856	0.23500	0.46285	0.49500

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIMM LOCATION

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/INMAX
157	14.411	0.90856	0.23500	0.46285	0.79300
177	14.411	0.90856	0.23500	0.46285	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHIMM LOCATION

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/INMAX
157	12.847	0.88080	0.21030	0.41248	0.79300
157	12.773	0.88460	0.20500	0.41008	0.84400

ADDITIONAL PRESSURE RATIOS, 60 DEG SHIMM LOCATION

NASA-LEWIS PRELIMINARY DATA 06/14/70 CANNONITE PFC 10/31/70 07:22:21.749 PFC 08451 PGM C334 **Run 32**
RDC 1020

SECTIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
37	10.940	0.75890	0.21557	0.42662	0.43400
47	6.4047	0.44347	0.17731	0.24055	0.53700
47	17.740	0.73056	0.23217	0.39636	0.43100
57	17.474	0.72276	0.20577	0.40856	0.72000

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
67	8.5348	0.50086	0.14031	0.33245	0.42200
67	5.9646	0.41203	0.11763	0.23241	0.47000

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
77	19.503	1.2810	0.36490	0.72096	0.50000
87	23.478	1.4397	0.46696	0.92260	0.58300
97	14.422	0.99011	0.28461	0.56232	0.67000

SECTIONAL PRESSURE RATIOS, TUBES PLUG

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
-107	14.377	0.99531	0.28353	0.56018	-1.0000
-117	14.342	0.99889	0.28284	0.55897	-1.0000
-127	14.317	0.99116	0.28224	0.55785	-1.0000
-137	14.334	0.99185	0.28246	0.55824	-1.0000
-147	14.187	0.98217	0.27578	0.54758	-1.0000
-157	13.702	0.94861	0.27022	0.53790	-1.0000

SECTIONAL PRESSURE RATIOS, EXPLOSION INLET

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
107	14.377	0.99531	0.28353	0.56018	0.39800
117	14.342	0.99889	0.28284	0.55897	0.43100
127	14.317	0.99116	0.28224	0.55785	0.46900
137	14.334	0.99185	0.28246	0.55824	0.48600
147	14.187	0.98217	0.27578	0.54758	0.52200
157	13.702	0.94861	0.27022	0.53790	0.58800
-167	14.433	0.99011	0.28461	0.56232	1.0000
-177	14.422	0.99877	0.28461	0.56213	1.0000

SECTIONAL PRESSURE RATIOS, CAP NOZZLE FLAP

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
157	14.422	0.99011	0.28461	0.56232	0.46300
167	14.427	0.99877	0.28461	0.56213	0.46500

SECTIONAL PRESSURE RATIOS, 20 DEG SHOCK LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
167	14.422	0.99862	0.28461	0.56193	0.79300
177	14.422	0.99011	0.28461	0.56232	0.84400

SECTIONAL PRESSURE RATIOS, 40 DEG SHOCK LOCATION

AVD WORD	PI	PI/PN	PI/PTF	PI/PTD	X/DMAX
187	12.013	0.80306	0.25469	0.50714	0.79300
197	12.849	0.88946	0.25337	0.50061	0.84400

SECTIONAL PRESSURE RATIOS, THIN PLUG PARAMETERS

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Run 33

NASA-LEWIS PRELIMINARY DATA CADDIS-11 FACILITY RT4V1 PPM:PAW C036 P0G5 1929 TO 1967
TIME AND DATE PROCESSED 05:52:58 JIA 14 1979.

NOZZLE TYPE
FLIGHT CONDITIONS
NOZZLE CONFIGURATION
PRIMARY-PORT PLUG
FLOW SPLITTER
FAN NOZZLE
TRANSIT POSITION
EJECTOR INLET OPENING

POW EJECTOR NOZZLE MODEL A1
SURVIVOR CRUISE
47
PLUG PLUG (RETRACTED)
CHEMICAL SPLITTER
IPIS
21 DEG
WIDENAV

P0G	MD	PYF/PD	PYF/PD	PYD/PD	OMEGA	PVS/PYF	CNF	CNP	CF1	ETA1	ETA1.INT	CFM1	CFM2	CF0
1820	0.997	2.17	3.52	1.62	0.000	0.288	0.957	1.001	0.7726	0.7726	0.7917	0.7917	0.7940	0.0000
1821	0.998	2.16	3.56	1.65	0.000	0.288	0.961	0.997	0.7763	0.7763	0.7951	0.7951	0.7982	0.0000
1822	0.999	2.23	4.60	2.09	0.000	0.221	0.958	0.993	0.8275	0.8275	0.8736	0.8736	0.8757	0.0000
1823	0.999	2.23	5.34	2.43	0.000	0.191	0.958	0.995	0.8611	0.8611	0.8861	0.8861	0.8879	0.0000
1824	0.999	2.19	6.17	2.80	0.000	0.167	0.960	0.997	0.8955	0.8955	0.8904	0.8904	0.8911	0.0000
1825	0.999	2.19	7.04	3.22	0.000	0.145	0.960	0.998	0.9073	0.9073	0.9107	0.9107	0.9121	0.0000
1826	0.999	2.19	7.91	3.21	0.000	0.145	0.960	0.997	0.9048	0.9048	0.9093	0.9093	0.9096	0.0000
1827	0.999	2.19	8.99	2.75	0.000	0.170	0.961	0.997	0.8825	0.8825	0.8867	0.8867	0.8883	0.0000
1828	0.999	2.19	6.02	2.76	0.000	0.168	0.960	0.996	0.8852	0.8852	0.8864	0.8864	0.8890	0.0000
1829	0.999	2.21	5.27	2.59	0.000	0.194	0.958	0.996	0.8595	0.8595	0.8645	0.8645	0.8661	0.0000
1830	0.999	2.19	4.52	2.06	0.000	0.225	0.959	0.997	0.8307	0.8307	0.8360	0.8360	0.8391	0.0000
1831	0.997	2.17	3.51	1.62	0.000	0.290	0.958	1.001	0.7770	0.7770	0.7961	0.7961	0.7992	0.0000
1832	0.996	1.96	3.50	1.91	0.000	0.291	0.958	0.996	0.7905	0.7905	0.7960	0.7960	0.7997	0.0000
1833	0.996	1.97	4.50	2.28	0.000	0.225	0.959	0.996	0.8610	0.8610	0.8664	0.8664	0.8696	0.0000
1834	0.996	1.97	5.26	2.67	0.000	0.194	0.959	0.998	0.8745	0.8745	0.8797	0.8797	0.8809	0.0000
1835	0.996	1.96	6.02	3.07	0.000	0.145	0.960	0.999	0.8641	0.8641	0.8690	0.8690	0.8695	0.0000
1836	0.996	1.99	7.04	3.56	0.000	0.145	0.961	0.999	0.9173	0.9173	0.9205	0.9205	0.9219	0.0000
1837	0.996	1.97	7.92	3.55	0.000	0.144	0.960	0.998	0.9196	0.9196	0.9229	0.9229	0.9242	0.0000
1838	0.996	1.96	8.99	3.07	0.000	0.171	0.960	0.997	0.8947	0.8947	0.8997	0.8997	0.9007	0.0000
1839	0.995	1.95	6.03	3.09	0.000	0.170	0.959	0.997	0.8962	0.8962	0.9001	0.9001	0.9016	0.0000
1840	0.995	1.97	5.26	2.69	0.000	0.194	0.959	0.997	0.8749	0.8749	0.8796	0.8796	0.8816	0.0000
1841	0.994	1.97	4.28	2.17	0.000	0.238	0.958	0.994	0.8338	0.8338	0.8481	0.8481	0.8492	0.0000
1842	0.996	1.99	4.52	2.29	0.000	0.221	0.959	0.996	0.8443	0.8443	0.8501	0.8501	0.8521	0.0000
1843	0.997	1.93	3.50	1.91	0.000	0.291	0.958	0.993	0.7930	0.7930	0.8117	0.8117	0.8162	0.0000
1844	0.996	1.95	3.50	1.93	0.000	0.292	0.958	0.994	0.7928	0.7928	0.8112	0.8112	0.8162	0.0000
1845	0.996	1.97	3.52	1.98	0.000	0.290	0.958	0.993	0.8054	0.8054	0.8131	0.8131	0.8158	0.0000
1846	0.997	1.93	4.51	2.51	0.000	0.225	0.959	0.997	0.8534	0.8534	0.8590	0.8590	0.8600	0.0000
1847	0.995	1.99	5.52	3.07	0.000	0.185	0.960	0.997	0.8917	0.8917	0.8968	0.8968	0.8976	0.0000
1848	0.995	1.99	6.03	3.36	0.000	0.145	0.960	0.998	0.9041	0.9041	0.9079	0.9079	0.9093	0.0000
1849	0.995	1.91	7.05	3.89	0.000	0.145	0.960	0.992	0.9251	0.9251	0.9291	0.9291	0.9306	0.0000
1850	0.999	1.93	6.21	3.44	0.000	0.144	0.960	0.997	0.9590	0.9590	0.9625	0.9625	0.9639	0.0000
1851	0.996	1.97	6.73	3.76	0.000	0.145	0.960	0.998	0.9556	0.9556	0.9593	0.9593	0.9607	0.0000
1852	0.996	1.93	5.26	2.92	0.000	0.176	0.957	0.998	0.8970	0.8970	0.9016	0.9016	0.9031	0.0000
1853	0.996	1.90	4.52	2.51	0.000	0.227	0.957	0.996	0.8600	0.8600	0.8645	0.8645	0.8656	0.0000
1854	0.995	1.94	3.57	1.96	0.000	0.292	0.957	0.991	0.8087	0.8087	0.8165	0.8165	0.8191	0.0000

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Row 33

WASH-1-SPIS REFERENCE DATA 76/12/79 CAMPLI REF 11/21/79 06:55:42.706 FAR MAXI PCM 036 PFC 1989

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVN WGRD	PI	M / PM	PI / PTP	X / MAX
32	7.379	0.606	0.109	0.340
37	10.322	1.016	0.282	0.530
47	11.176	1.008	0.670	0.631
52	10.606	1.051	0.297	0.725

ADDITIONAL PRESSURE RATIOS, FLOW SPILLER 1.0

AVN WGRD	PI	M / PM	PI / PTP	X / MAX
62	5.579	0.502	0.206	0.220
67	13.209	1.307	0.714	0.620

ADDITIONAL PRESSURE RATIOS, FLOW SPILLER 0.0

AVN WGRD	PI	M / PM	PI / PTP	X / MAX
77	20.300	2.007	0.855	0.540
82	17.070	1.679	1.033	0.630
87	19.312	1.013	0.200	0.620

ADDITIONAL PRESSURE RATIOS, FLOW SPILLER 0.0

AVN WGRD	PI	M / PM	PI / PTP	X / MAX
107	0.017	0.066	0.263	0.540
112	0.067	0.092	0.276	0.540
122	0.357	0.097	0.313	0.540
137	0.670	0.042	0.353	0.540
147	0.670	0.042	0.353	0.540
152	0.670	0.042	0.353	0.540
157	0.670	0.042	0.353	0.540

ADDITIONAL PRESSURE RATIOS, FLOW SPILLER 0.0

AVN WGRD	PI	M / PM	PI / PTP	X / MAX
107	0.017	0.066	0.263	0.540
112	0.067	0.092	0.276	0.540
122	0.357	0.097	0.313	0.540
137	0.670	0.042	0.353	0.540
147	0.670	0.042	0.353	0.540
152	0.670	0.042	0.353	0.540
157	0.670	0.042	0.353	0.540

ADDITIONAL PRESSURE RATIOS, FLOW SPILLER 0.0

AVN WGRD	PI	M / PM	PI / PTP	X / MAX
157	0.670	0.042	0.353	0.540
152	0.670	0.042	0.353	0.540
147	0.670	0.042	0.353	0.540
137	0.670	0.042	0.353	0.540
127	0.670	0.042	0.353	0.540
122	0.357	0.097	0.313	0.540
112	0.067	0.092	0.276	0.540
107	0.017	0.066	0.263	0.540

ADDITIONAL PRESSURE RATIOS, FLOW SPILLER 0.0

AVN WGRD	PI	M / PM	PI / PTP	X / MAX
157	0.670	0.042	0.353	0.540
152	0.670	0.042	0.353	0.540
147	0.670	0.042	0.353	0.540
137	0.670	0.042	0.353	0.540
127	0.670	0.042	0.353	0.540
122	0.357	0.097	0.313	0.540
112	0.067	0.092	0.276	0.540
107	0.017	0.066	0.263	0.540

ADDITIONAL PRESSURE RATIOS, FLOW SPILLER 0.0

AVN WGRD	PI	M / PM	PI / PTP	X / MAX
157	0.670	0.042	0.353	0.540
152	0.670	0.042	0.353	0.540
147	0.670	0.042	0.353	0.540
137	0.670	0.042	0.353	0.540
127	0.670	0.042	0.353	0.540
122	0.357	0.097	0.313	0.540
112	0.067	0.092	0.276	0.540
107	0.017	0.066	0.263	0.540

Run 33

PCN 0034 DEC 1991

FAR QUART

OFF 11/01/70 05:01:47.641

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DE/16/70

WASL-1 FMS PRELIMINARY DATA

DE/16/70 PRELIMINARY DATA

AVN	WIND	PI	M/PM	M/PTF	M/PTP	X/PMAX
35	9.1164	0.80667	0.19453	0.42770	0.43400	0.43400
37	7.7007	0.76532	0.16617	0.36544	0.36544	0.36544
47	9.0195	0.80667	0.19453	0.42770	0.43400	0.43400
52	17.083	0.80667	0.19453	0.42770	0.43400	0.43400

DE/16/70 PRELIMINARY DATA

AVN	WIND	PI	M/PM	M/PTF	M/PTP	X/PMAX
63	7.1663	0.70207	0.15263	0.33549	0.42200	0.42200
67	13.726	1.2777	0.27770	0.61005	0.69700	0.69700

DE/16/70 PRELIMINARY DATA

AVN	WIND	PI	M/PM	M/PTF	M/PTP	X/PMAX
77	37.802	3.7165	0.80797	1.7770	0.56400	0.56400
87	22.275	2.1071	0.47005	1.7440	0.63500	0.63500
92	10.330	1.0142	0.22049	0.60604	0.69700	0.69700

DE/16/70 PRELIMINARY DATA

AVN	WIND	PI	M/PM	M/PTF	M/PTP	X/PMAX
-177	0.80667	0.80667	0.19453	0.42770	0.43400	0.43400
-112	0.1194	0.70207	0.15263	0.33549	0.42200	0.42200
-122	0.3001	0.80667	0.19453	0.42770	0.43400	0.43400
-137	0.6634	0.80667	0.19453	0.42770	0.43400	0.43400
-137	0.7107	0.80667	0.19453	0.42770	0.43400	0.43400
-147	0.7537	0.80667	0.19453	0.42770	0.43400	0.43400

DE/16/70 PRELIMINARY DATA

AVN	WIND	PI	M/PM	M/PTF	M/PTP	X/PMAX
107	0.80667	0.80667	0.19453	0.42770	0.43400	0.43400
117	0.1194	0.70207	0.15263	0.33549	0.42200	0.42200
127	0.3001	0.80667	0.19453	0.42770	0.43400	0.43400
137	0.6634	0.80667	0.19453	0.42770	0.43400	0.43400
147	0.7107	0.80667	0.19453	0.42770	0.43400	0.43400
157	0.7537	0.80667	0.19453	0.42770	0.43400	0.43400
167	0.80667	0.80667	0.19453	0.42770	0.43400	0.43400

DE/16/70 PRELIMINARY DATA

AVN	WIND	PI	M/PM	M/PTF	M/PTP	X/PMAX
-152	0.2284	0.80667	0.19453	0.42770	0.43400	0.43400
-152	0.8194	0.80667	0.19453	0.42770	0.43400	0.43400

DE/16/70 PRELIMINARY DATA

AVN	WIND	PI	M/PM	M/PTF	M/PTP	X/PMAX
167	10.707	1.3501	0.23020	0.50649	0.79300	0.79300
177	0.9334	0.80667	0.19453	0.42770	0.43400	0.43400

DE/16/70 PRELIMINARY DATA

AVN	WIND	PI	M/PM	M/PTF	M/PTP	X/PMAX
187	0.5230	0.80667	0.19453	0.42770	0.43400	0.43400
197	0.6560	0.80667	0.19453	0.42770	0.43400	0.43400

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Run 33

MASS-LEWIS PRELIMINARY DATA 06/14/70 CANNON REF 11/01/79 05:02:41.534 F&C REV1 PCP 0934 RPS 1032

ADDITIONAL PRESSURE RATIOS, PRIMARY MING

AVN WORN	PL	M/PN	M/PTF	PI/PTP	X/TMAX
32	10.631	1.0410	0.10400	0.42018	0.43400
37	5.8714	0.57658	0.10780	0.23760	0.53300
47	7.1366	0.63787	0.13052	0.28770	0.63100
52	10.706	1.3111	0.10520	0.41881	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVN WORN	PL	M/PN	M/PTF	PI/PTP	X/TMAX
47	0.2915	0.81325	0.15218	0.33528	0.42200
47	12.970	1.7657	0.23759	0.52761	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVN WORN	PL	M/PN	M/PTF	PI/PTP	X/TMAX
77	43.532	4.2740	0.70004	1.7623	0.56400
92	25.902	2.5616	0.47561	1.0478	0.63500
92	10.331	1.0145	0.18584	0.41822	0.69200

~~ADDITIONAL PRESSURE RATIOS, EXHAUST CURB~~

AVN WORN	PL	M/PN	M/PTF	PI/PTP	X/TMAX
-107	0.8713	0.88627	0.16230	0.25711	-1.0000
-112	0.8567	0.88954	0.16847	0.16843	-1.0000
-122	0.3612	0.27470	0.12202	0.17807	-1.0000
-127	0.6361	0.84624	0.17708	0.30010	-1.0000
-137	0.6561	0.84824	0.17764	0.20051	-1.0000
-147	0.7260	0.85511	0.17873	0.30376	-1.0000

ADDITIONAL PRESSURE RATIOS, EXHAUST INLET

AVN WORN	PL	M/PN	M/PTF	PI/PTP	X/TMAX
107	0.9213	0.86627	0.16210	0.25711	0.31900
112	0.9567	0.88954	0.16847	0.16843	0.34000
122	0.3612	0.27470	0.12202	0.17807	0.39400
127	0.6361	0.84624	0.17708	0.30010	0.43200
137	0.6561	0.84824	0.17764	0.20051	0.47800
147	0.7260	0.85511	0.17873	0.30376	0.52200
157	0.7669	0.85904	0.17964	0.20526	0.56100
167	0.9167	0.86305	0.18034	0.20770	0.60500

~~ADDITIONAL PRESSURE RATIOS, CAR NOZZLE FLAR~~

AVN WORN	PL	M/PN	M/PTF	PI/PTP	X/TMAX
-152	0.7667	0.85894	0.17804	0.20536	-1.0000
-162	0.9167	0.86305	0.18034	0.20770	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIMM LOCATION

AVN WORN	PL	M/PN	M/PTF	PI/PTP	X/TMAX
147	10.744	1.0552	0.10766	0.47501	0.79300
172	0.9930	0.99117	0.19360	0.49446	0.84600

ADDITIONAL PRESSURE RATIOS, 40 DEG SHIMM LOCATION

AVN WORN	PL	M/PN	M/PTF	PI/PTP	X/TMAX
102	0.5011	0.84184	0.17625	0.38028	0.75300
107	0.7366	0.85702	0.16056	0.25267	0.75400

Rev 33

PG 1033

PG 1034

PG 1035

PG 11/01/70 05:11:24.102

PG 11/01/70 05:11:24.102

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MEASUREMENTS PRELIMINARY DATA W/15/70 11/01/70 05:11:24.102

ADDITIONAL PRESSURE RATINGS, FLOW CM LITER PER MIN

AVG WPM	PI	W/PM	W/PM	PI/PTP	W/PM
12	12.735	0.1049	0.4208	0.3375	0.4208
17	6.7602	0.6645	0.1061	0.2370	0.5300
17	8.1543	0.80052	0.1312	0.2856	0.63100
17	10.679	1.0238	0.1679	0.3657	0.72900

ADDITIONAL PRESSURE RATINGS, FLOW CM LITER PER MIN

AVG WPM	PI	W/PM	W/PM	PI/PTP	W/PM
12	9.9142	0.93407	0.1533	0.3375	0.4208
17	12.848	1.2613	0.2089	0.4507	0.69700

ADDITIONAL PRESSURE RATINGS, FLOW CM LITER PER MIN

AVG WPM	PI	W/PM	W/PM	PI/PTP	W/PM
12	49.342	4.8145	0.7090	1.7159	0.56400
17	20.531	2.8801	0.4755	1.0356	0.63500
17	10.374	1.0134	0.16476	0.36205	0.69700

ADDITIONAL PRESSURE RATINGS, FLOW CM LITER PER MIN

AVG WPM	PI	W/PM	W/PM	PI/PTP	W/PM
107	8.0001	0.7463	0.1324	0.3124	0.3124
112	9.1593	0.8623	0.1470	0.3201	0.3201
127	9.6993	0.9371	0.1515	0.3299	0.3299
127	9.7025	0.9567	0.1568	0.3432	0.3432
127	9.7392	0.97610	0.1624	0.3572	0.3572
137	9.7392	0.97610	0.1624	0.3572	0.3572
147	9.7892	0.98101	0.1674	0.3633	0.3633

ADDITIONAL PRESSURE RATINGS, FLOW CM LITER PER MIN

AVG WPM	PI	W/PM	W/PM	PI/PTP	W/PM
107	8.9093	0.8743	0.1434	0.3124	0.3124
112	9.1201	0.8923	0.1470	0.3201	0.3201
127	9.6993	0.9371	0.1515	0.3299	0.3299
127	9.7025	0.9567	0.1568	0.3432	0.3432
127	9.7392	0.97610	0.1624	0.3572	0.3572
137	9.7392	0.97610	0.1624	0.3572	0.3572
147	9.7892	0.98101	0.1674	0.3633	0.3633

ADDITIONAL PRESSURE RATINGS, FLOW CM LITER PER MIN

AVG WPM	PI	W/PM	W/PM	PI/PTP	W/PM
107	8.9093	0.8743	0.1434	0.3124	0.3124
112	9.1201	0.8923	0.1470	0.3201	0.3201
127	9.6993	0.9371	0.1515	0.3299	0.3299
127	9.7025	0.9567	0.1568	0.3432	0.3432
127	9.7392	0.97610	0.1624	0.3572	0.3572
137	9.7392	0.97610	0.1624	0.3572	0.3572
147	9.7892	0.98101	0.1674	0.3633	0.3633

ADDITIONAL PRESSURE RATINGS, FLOW CM LITER PER MIN

AVG WPM	PI	W/PM	W/PM	PI/PTP	W/PM
107	8.9093	0.8743	0.1434	0.3124	0.3124
112	9.1201	0.8923	0.1470	0.3201	0.3201
127	9.6993	0.9371	0.1515	0.3299	0.3299
127	9.7025	0.9567	0.1568	0.3432	0.3432
127	9.7392	0.97610	0.1624	0.3572	0.3572
137	9.7392	0.97610	0.1624	0.3572	0.3572
147	9.7892	0.98101	0.1674	0.3633	0.3633

ADDITIONAL PRESSURE RATINGS, FLOW CM LITER PER MIN

AVG WPM	PI	W/PM	W/PM	PI/PTP	W/PM
107	8.9093	0.8743	0.1434	0.3124	0.3124
112	9.1201	0.8923	0.1470	0.3201	0.3201
127	9.6993	0.9371	0.1515	0.3299	0.3299
127	9.7025	0.9567	0.1568	0.3432	0.3432
127	9.7392	0.97610	0.1624	0.3572	0.3572
137	9.7392	0.97610	0.1624	0.3572	0.3572
147	9.7892	0.98101	0.1674	0.3633	0.3633

ADDITIONAL PRESSURE RATINGS, FLOW CM LITER PER MIN

AVG WPM	PI	W/PM	W/PM	PI/PTP	W/PM
107	8.9093	0.8743	0.1434	0.3124	0.3124
112	9.1201	0.8923	0.1470	0.3201	0.3201
127	9.6993	0.9371	0.1515	0.3299	0.3299
127	9.7025	0.9567	0.1568	0.3432	0.3432
127	9.7392	0.97610	0.1624	0.3572	0.3572
137	9.7392	0.97610	0.1624	0.3572	0.3572
147	9.7892	0.98101	0.1674	0.3633	0.3633

ADDITIONAL PRESSURE RATINGS, FLOW CM LITER PER MIN

AVG WPM	PI	W/PM	W/PM	PI/PTP	W/PM
107	8.9093	0.8743	0.1434	0.3124	0.3124
112	9.1201	0.8923	0.1470	0.3201	0.3201
127	9.6993	0.9371	0.1515	0.3299	0.3299
127	9.7025	0.9567	0.1568	0.3432	0.3432
127	9.7392	0.97610	0.1624	0.3572	0.3572
137	9.7392	0.97610	0.1624	0.3572	0.3572
147	9.7892	0.98101	0.1674	0.3633	0.3633

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	PI	M / 900	M / 875	PI / 875	% MAX
62	17.21	1.3735	0.15251	0.3322	0.42200
67	17.723	1.5506	0.17767	0.3820	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.						
	PL	PL/PTD	PL/PTB	PL/PTC	PL/PTD	K/PMAX
77	5.3025	0.53016	0.375218	0.16456	0.56480	
78	33.963	3.3064	0.47627	1.0363	0.63400	
79	17.117	1.0161	0.14632	0.31540	0.69200	

[illegible]

ADDITIONAL PRESSURE RATINGS • EXPOSURE IMPLY	psi	MPa	MPa	MPa	MPa	MPa
107	9,9544	0.88018	0.12504	0.27321	0.31900	
117	9,1501	0.91070	0.13159	0.27946	0.34000	
127	9,4436	0.92928	0.13188	0.28114	0.36000	
137	9,7181	0.9553	0.13371	0.28652	0.43200	
147	9,7202	0.95628	0.13585	0.28682	0.48000	
157	9,7431	0.96164	0.13767	0.28850	0.52200	
167	9,8081	0.96410	0.13854	0.28874	0.56300	
177	9,8480	0.96602	0.13953	0.28949	0.60500	

[illegible]

	W/M	M/M	M/F	F/F	TOTAL
1970	17,617	1,0436	0.14826	0.22193	0.79300
1971	0.0539	0.07823	0.13000	0.30168	0.66409

DAILY TOTAL PROCESSING PATRONS • 3RD QTR. SHOOTING SEASON				
DATE	PI	PI/STN	PI/STP	X/TMAX
10/2	0.0104	0.2654	0.1303	0.29300
10/3	0.0107	0.2658	0.1305	0.29400

TABLE 5. Precision study parameters									
Parameter	Value	Unit	Value	Unit	Value	Unit	Value	Unit	Value
Initial concentration	100	mg/L	100	mg/L	100	mg/L	100	mg/L	100
Initial volume	100	L	100	L	100	L	100	L	100
Initial temperature	20	°C	20	°C	20	°C	20	°C	20
Initial pH	7.0		7.0		7.0		7.0		7.0
Initial salinity	0	g/L	0	g/L	0	g/L	0	g/L	0
Initial turbidity	0	NTU	0	NTU	0	NTU	0	NTU	0
Initial color	0	PCU	0	PCU	0	PCU	0	PCU	0
Initial hardness	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial total dissolved solids	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial total suspended solids	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial total organic carbon	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial total nitrogen	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial total phosphorus	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial iron	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial copper	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial lead	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial cadmium	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial mercury	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial selenium	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial arsenic	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial chromium	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial manganese	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial zinc	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial cobalt	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial nickel	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial silver	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial barium	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial strontium	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial calcium	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial magnesium	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial potassium	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial sodium	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial chloride	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial sulfate	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial nitrate	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial nitrite	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial ammonia	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial urea	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial creatinine	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial glucose	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial lactate	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial pyruvate	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial fatty acids	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial amino acids	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial nucleic acids	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial carbohydrates	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial vitamins	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial minerals	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial trace elements	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial heavy metals	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial organic pollutants	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial inorganic pollutants	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0
Initial pesticides	0	mg/L	0	mg/L	0	mg/L	0	mg/L	0

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2007010101 PRESSURE PAIN S. FRY GILVER L.D.

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Case No.	Case Name	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Notes	Case Comments
97	25-972	2-0546	0-1647	0-3644	0-3644	0-3644	0-3644	0-3644	0-3644
97	25-972	2-0546	0-1647	0-3644	0-3644	0-3644	0-3644	0-3644	0-3644

19.10.1961

PROJECT INITIAL PRESSURE RATINGS - EJECTION SUMMARY

KINDLY ADVISE BY DATE

Account	Debit	Credit
101 Cash		100.00
102 Accounts Receivable	100.00	
103 Inventory		100.00
104 Prepaid Insurance		100.00
105 Equipment		100.00
106 Accumulated Depreciation		
107 Land		100.00
108 Buildings		100.00
109 Intangible Assets		100.00
110 Other Assets		100.00
201 Accounts Payable	100.00	
202 Long-Term Debt		100.00
203 Equity		100.00
301 Sales		100.00
302 Cost of Sales	100.00	
303 Operating Expenses	100.00	
304 Non-Operating Expenses		100.00
305 Income Tax Expense	100.00	
306 Dividends	100.00	
307 Retained Earnings		100.00
308 Other Income		100.00
309 Other Expenses		100.00
310 Other		100.00

[illegible]

17	9.3545	1.87508	0.1517	1.49	0.36481	-1.9320
18	9.3545	1.87508	0.1517	1.49	0.36481	-1.9320

137	0.5714	0.95517	0.15059	0.57092	-1.33008
138	0.6115	0.95517	0.15059	0.57092	-1.33008
139	0.6516	0.95517	0.15059	0.57092	-1.33008

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147	0.7615	0.96406	0.26598	0.79045	0.5680
: 57					0.60570

60

CONFIDENTIAL SOURCE STATE : CAN W771F 6149

ALPHA

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MULTIPLY: CINCINNATI

NOTES ON THE SUBMISSION OF MANUSCRIPTS

DATE: 11/10/19
BY: [illegible]
11/10/19
11/10/19

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How 33

DEC 11/11/79 05:07:53.019

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Run 33

WASA-LEWIS PRELIMINARY DATA 06/14/79 CENDELL REC 11/01/79 05:00:11.752 FAN 046V1 PGM 0934 PPG 1038

ADDITIONAL PRESSURE RATINGS, PRIMARY PLUG

AVG WORN	PI	PI/PN	PI/PTE	PI/PTD	X/DNAX
22	10.778	1.0249	0.19438	0.47878	0.47600
27	5.7645	0.54874	0.10787	0.23794	0.53700
47	7.1078	0.77965	0.13650	0.29400	0.63100
52	10.777	1.0396	0.10148	0.42730	0.72900

ADDITIONAL PRESSURE RATINGS, FLOW SPLITTER I.D.

AVG WORN	PI	PI/PN	PI/PTE	PI/PTD	X/DNAX
62	9.1165	0.87779	0.15198	0.33507	0.42200
67	12.349	1.2194	0.23108	0.50973	0.60200

ADDITIONAL PRESSURE RATINGS, FLOW SPLITTER O.D.

AVG WORN	PI	PI/PN	PI/PTE	PI/PTD	X/DNAX
77	41.899	4.1238	0.78492	1.7205	0.56400
82	25.365	2.5025	0.47462	1.0670	0.63500
92	10.293	1.0145	0.19247	0.47445	0.60200

ADDITIONAL PRESSURE RATINGS, EJECTOR SHROUD

AVG WORN	PI	PI/PN	PI/PTE	PI/PTD	X/DNAX
-107	8.7955	0.86778	0.16458	0.36305	-1.0000
-117	0.3291	0.80363	0.16888	0.17253	-1.0000
-122	0.3596	0.82363	0.17514	0.38636	-1.0000
-127	0.6631	0.95199	0.18055	0.39829	-1.0000
-137	0.6707	0.95495	0.18111	0.39852	-1.0000
-147	0.7499	0.96186	0.18247	0.40241	-1.0000

ADDITIONAL PRESSURE RATINGS, FORWARD INLET

AVG WORN	PI	PI/PN	PI/PTE	PI/PTD	X/DNAX
137	8.7955	0.86778	0.16458	0.36305	0.31900
117	0.3291	0.80363	0.16888	0.17253	0.34000
122	0.3596	0.82363	0.17514	0.38636	0.38600
127	0.6631	0.95199	0.18055	0.39829	0.43200
137	0.6707	0.95495	0.18111	0.39852	0.47800
147	0.7499	0.96186	0.18247	0.40241	0.52200
157	0.7779	0.96631	0.18389	0.40346	0.56300
167	0.8229	0.98072	0.18527	0.40550	0.60500

ADDITIONAL PRESSURE RATINGS, FAN NOZZLE FLAP

AVG WORN	PI	PI/PN	PI/PTE	PI/PTD	X/DNAX
-157	0.3779	0.96431	0.18789	0.40346	-1.0000
-167	0.8229	0.98072	0.18527	0.40550	-1.0000

ADDITIONAL PRESSURE RATINGS, 20 DEG SHROUD LOCATION

AVG WORN	PI	PI/PN	PI/PTE	PI/PTD	X/DNAX
157	17.478	1.0737	0.19496	0.43240	0.79300
177	0.9596	1.08253	0.18675	0.41106	0.84400

ADDITIONAL PRESSURE RATINGS, 40 DEG SHROUD LOCATION

AVG WORN	PI	PI/PN	PI/PTE	PI/PTD	X/DNAX
187	0.5597	0.96313	0.17887	0.39658	0.79300
197	0.7154	0.85801	0.16709	0.35034	0.84400

Run 33

NACA-LEMIS PRELIMINARY DATA 06/14/70 CADRETT WFC 11/01/79 05:10:03.026 FAC 974X1 0000 0034 0000 1050

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVG WORN	PL	PI/PN	PI/PTF	PI/PTP	X/PMAX
22	0.7953	0.89363	0.10563	0.42859	0.43490
27	0.9353	0.87576	0.10786	0.42677	0.53300
47	0.7534	0.99069	0.20137	0.44123	0.63100
52	12.117	0.90428	0.22010	0.48236	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WORN	PL	PI/PN	PI/PTF	PI/PTP	X/PMAX
52	7.0646	0.69474	0.15279	0.33697	0.42200
67	12.293	1.2087	0.26755	0.58623	0.65200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WORN	PL	PI/PN	PI/PTF	PI/PTP	X/PMAX
77	36.498	3.5889	0.79455	1.7409	0.56400
82	21.871	2.1508	0.47612	1.0422	0.63500
87	10.325	1.0154	0.27479	0.49251	0.69200

~~ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER~~

AVG WORN	PL	PI/PN	PI/PTF	PI/PTP	X/PMAX
-107	0.9373	0.87822	0.10441	0.42596	-1.0000
-112	0.1353	0.89828	0.10887	0.43574	-1.0000
-122	0.6306	0.9445	0.20464	0.44839	-1.0000
-127	0.6754	0.95150	0.21063	0.46151	-1.0000
-137	0.6906	0.95199	0.21074	0.46174	-1.0000
-147	0.7404	0.95789	0.21204	0.46461	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER

AVG WORN	PL	PI/PN	PI/PTF	PI/PTP	X/PMAX
107	0.9303	0.87822	0.10441	0.42596	0.71900
112	0.1353	0.89828	0.10887	0.43574	0.74000
122	0.6306	0.9445	0.20464	0.44839	0.38600
127	0.6754	0.95150	0.21063	0.46151	0.43200
137	0.6906	0.95199	0.21074	0.46174	0.47800
147	0.7404	0.95789	0.21204	0.46461	0.57200
157	0.7554	0.95936	0.21237	0.46532	0.56300
167	0.9954	0.96428	0.21346	0.46771	0.60500

~~ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLOW~~

AVG WORN	PL	PI/PN	PI/PTF	PI/PTP	X/PMAX
-157	0.7554	0.95936	0.21237	0.46532	-1.0000
-167	0.9954	0.96428	0.21346	0.46771	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SIMULATED LOCATION

AVG WORN	PL	PI/PN	PI/PTF	PI/PTP	X/PMAX
167	10.475	1.3302	0.27805	0.40067	0.79300
172	0.9095	0.97264	0.21531	0.47174	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SIMULATED LOCATION

AVG WORN	PL	PI/PN	PI/PTF	PI/PTP	X/PMAX
167	0.5096	0.93428	0.20682	0.45316	0.79300
172	0.4607	0.96069	0.18800	0.41213	0.84400

Run 33

BASE-4 FWHIC PRELIMINARY DATA 3/14/79 CIND011 DEC 11/01/79 05:10:54.602 FSC 87401 PCN 0036 PNC 1060

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WPPN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
37	7.3714	0.45710	0.10073	0.43045	0.43400
37	11.295	1.0149	0.20071	0.47666	0.53500
47	11.143	1.0001	0.31333	0.47866	0.63100
57	10.663	1.0530	0.20056	0.46006	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.2

AVD WPPN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
67	5.5958	0.55073	0.15700	0.34007	0.42200
67	12.179	1.2005	0.34224	0.74130	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0

AVD WPPN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	28.840	2.8469	0.41100	1.7567	0.56400
87	16.913	1.6673	0.47525	1.0795	0.63500
97	13.293	1.0144	0.28917	0.62635	0.69200

ADDITIONAL PRESSURE RATIOS, FACE-100 QUINON

AVD WPPN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	8.9040	0.96807	0.24744	0.53602	-1.0000
-112	0.3539	0.07221	0.25435	0.55092	-1.0000
-122	0.3537	0.07176	0.26277	0.56917	-1.0000
-127	0.6305	0.66935	0.27064	0.48421	-1.0030
-137	0.6455	0.65280	0.27162	0.48936	-1.0000
-147	0.7235	0.65922	0.27316	0.50160	-1.0000

ADDITIONAL PRESSURE RATIOS, FACE-100 IMLET

AVD WPPN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
117	0.9369	0.96807	0.24744	0.53602	0.31900
112	0.3539	0.07221	0.25435	0.55092	0.34000
127	0.3507	0.07176	0.26277	0.56917	0.38600
127	0.6335	0.66935	0.27064	0.48421	0.43200
137	0.6455	0.65280	0.27162	0.48936	0.47800
147	0.7235	0.65922	0.27316	0.50160	0.52700
157	0.7635	0.66216	0.27429	0.50411	0.56700
167	0.9356	0.96807	0.27555	0.50605	0.60500

ADDITIONAL PRESSURE RATIOS, FAN NO771E FLAP

AVD WPPN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-157	5.7405	0.66216	0.27429	0.50411	-1.0000
-167	0.9356	0.96807	0.27555	0.50605	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WPPN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	10.445	1.0296	0.28352	0.63578	0.79300
177	0.3953	0.09632	0.29060	0.60780	0.84600

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WPPN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	0.5256	0.03000	0.26707	0.58062	0.75300
197	0.6611	0.05370	0.26332	0.57270	0.84400

Run 33

NASA-LAMES PRELIMINARY DATA 06/14/70 RANDOLPH DEC 11/11/70 05:13:17.004 CAR 004X1 PCW 0034 PWS 1061

ADDITIONAL PRESSURE RATIOS, PRIMARY PLIN

AVN WORN	PL	PI/PO	PI/PTF	PI/PTP	X/PMAX
32	7.4750	0.77354	0.22077	0.42802	0.47400
37	0.9523	0.96764	0.27617	0.53543	0.57303
47	11.197	1.0005	0.78554	0.55260	0.63107
52	13.544	1.0270	0.29310	0.56825	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVN WORN	PL	PI/PO	PI/PTF	PI/PTP	X/PMAX
62	6.2083	0.60074	0.17403	0.23740	0.42720
47	12.323	1.1808	0.23791	0.65239	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVN WORN	PL	PI/PO	PI/PTF	PI/PTP	X/PMAX
77	29.082	2.9563	0.81519	1.5805	0.56400
82	16.961	1.6659	0.47544	0.02177	0.63500
82	10.321	1.0137	0.28932	0.56093	0.69200

ADDITIONAL PRESSURE RATIOS, FAN SECTION

AVN WORN	PL	PI/PO	PI/PTF	PI/PTP	X/PMAX
-107	0.9541	0.86962	0.24819	0.48119	-1.0000
-112	0.9717	0.80119	0.25435	0.49312	-1.0000
-122	0.6071	0.02154	0.26358	0.51102	-1.0000
-127	0.7026	0.05285	0.27187	0.52730	-1.0000
-137	0.7125	0.05489	0.27281	0.52802	-1.0000
-142	0.7026	0.06178	0.27449	0.53218	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN SECTION IMPLY

AVN WORN	PL	PI/PO	PI/PTF	PI/PTP	X/PMAX
107	0.9541	0.86962	0.24819	0.48119	0.31000
112	0.9717	0.80119	0.25435	0.49312	0.34000
122	0.6071	0.02154	0.26358	0.51102	0.38600
127	0.7026	0.05285	0.27187	0.52730	0.42200
137	0.7125	0.05489	0.27281	0.52802	0.47800
142	0.7026	0.06178	0.27449	0.53218	0.52200
152	0.9273	0.06521	0.27547	0.53408	0.56300
157	0.9472	0.06913	0.27650	0.53625	0.60500

ADDITIONAL PRESSURE RATIOS, FAN MOUNTED FLAP

AVN WORN	PL	PI/PO	PI/PTF	PI/PTP	X/PMAX
-152	0.9273	0.06521	0.27547	0.53408	-1.0000
-157	0.9472	0.06913	0.27650	0.53625	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG CURVED LOCATION

AVN WORN	PL	PI/PO	PI/PTF	PI/PTP	X/PMAX
147	11.404	1.0221	0.29177	0.56554	0.79303
172	0.9973	0.08187	0.28027	0.54330	0.86600

ADDITIONAL PRESSURE RATIOS, 80 DEG CURVED LOCATION

AVN WORN	PL	PI/PO	PI/PTF	PI/PTP	X/PMAX
182	0.5929	0.06119	0.26882	0.52079	0.79300
187	0.5505	0.05051	0.24274	0.47961	0.86600

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Run 33

NASA-Lewis PRELIMINARY DATA 7/14/79 CANNON PFC 11/01/79 05:14:30.240 FAC 040V1 PGN 0936 PPG 1062

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
32	0.0663	0.57878	0.21756	0.42057	0.43630
37	0.5273	0.54149	0.12050	0.22742	0.53300
47	0.3263	0.01555	0.20360	0.43108	0.63100
57	13.186	0.00007	0.22276	0.43605	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTED I.D.

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
67	7.7961	0.76533	0.17018	0.33693	0.42200
67	11.964	1.1727	0.26077	0.51690	0.60200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTED O.D.

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
77	37.122	0.6422	0.80099	1.5092	0.56400
82	21.915	2.1416	0.47621	0.94029	0.63500
82	13.376	1.0137	0.27562	0.44609	0.69200

ADDITIONAL PRESSURE RATIOS, EJECTOR SUBSONIC

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
-107	0.9913	0.87294	0.12400	0.38223	-1.3000
-117	0.3913	0.89140	0.19874	0.39142	-1.0000
-127	0.3613	0.97899	0.22635	0.40349	-1.0000
-127	0.6513	0.06746	0.21068	0.41599	-1.0000
-137	0.6463	0.94696	0.21057	0.41578	-1.0000
-147	0.7213	0.95432	0.21221	0.41601	-1.0000

ADDITIONAL PRESSURE RATIOS, ENGINE INLET

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
107	0.9913	0.87294	0.12400	0.38223	0.21000
117	0.3913	0.89140	0.19874	0.39142	0.34000
122	0.3613	0.91898	0.20435	0.40349	0.38600
127	0.6513	0.06746	0.21068	0.41599	0.43200
127	0.6463	0.94696	0.21057	0.41578	0.47800
147	0.7213	0.95432	0.21221	0.41601	0.52200
157	0.7143	0.95580	0.21254	0.41946	0.56200
157	0.7913	0.96120	0.21374	0.42203	0.60500

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
-157	0.2363	0.95580	0.21254	0.41946	-1.0000
-157	0.7913	0.96120	0.21374	0.42203	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOCK LOCATION

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
167	13.405	1.0216	0.22716	0.44853	0.79300
177	0.3613	0.97899	0.22745	0.42635	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHOCK LOCATION

AVG WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
187	0.5513	0.02764	0.20953	0.41148	0.79300
187	0.7567	0.85952	0.10114	0.37741	0.84400

Run 33

VACA-15WIC PRELIMINARY DATA 04/14/70 CANNELL PFC 11/01/70 CS:14:56.299 FSC 084V1 PCN FMS4 SMC 1M63

SANITIZATION PRESSURE RATINGS - PRIMARY MISC

AUG WREN	PL	PL/PN	M/PTE	M/PTE	M/PTE	Y/PMAX
32	11.600	1.1600	0.2100	0.43027	0.43027	0.43000
37	6.5020	0.65060	0.17101	0.23052	0.23052	0.53000
47	7.4075	0.74080	0.14575	0.20730	0.20730	0.63100
52	13.460	1.0076	0.15032	0.20001	0.20001	0.72000

SANITIZATION PRESSURE RATINGS - FLOW SMITTEP I.O.

AUG WREN	PL	PL/PN	M/PTE	M/PTE	M/PTE	Y/PMAX
42	6.1070	0.40455	0.17002	0.23015	0.23015	0.42200
47	11.800	1.1600	0.22211	0.43701	0.43701	0.69200

SANITIZATION PRESSURE RATINGS - FLOW SMITTEP C.D.

AUG WREN	PL	PL/PN	M/PTE	M/PTE	M/PTE	Y/PMAX
70	62.867	4.2003	0.70007	1.5767	1.5767	0.56400
92	25.406	2.5032	0.47077	0.97003	0.97003	0.63500
52	10.340	1.0150	0.10300	0.10060	0.10060	0.60200

SANITIZATION PRESSURE RATINGS - EJECTOR SAMPLER

AUG WREN	PL	PL/PN	M/PTE	M/PTE	M/PTE	Y/PMAX
70	6.9070	0.87203	0.16507	0.32705	0.32705	1.00000
110	6.1750	0.80005	0.16000	0.31007	0.31007	1.00000
120	9.4170	0.92500	0.17501	0.34056	0.34056	1.00000
127	3.7130	0.45307	0.10130	0.35741	0.35741	1.00000
137	0.7330	0.05506	0.10160	0.35015	0.35015	1.00000
140	0.9300	0.06330	0.10300	0.36001	0.36001	1.00000
152	0.9200	0.06527	0.10447	0.36165	0.36165	1.00000
157	0.9000	0.06020	0.10421	0.36312	0.36312	1.00000

SANITIZATION PRESSURE RATINGS - FLOW SMITTEP I.O.

AUG WREN	PL	PL/PN	M/PTE	M/PTE	M/PTE	Y/PMAX
107	6.9070	0.87203	0.16507	0.32705	0.32705	0.31000
110	6.1750	0.80005	0.16000	0.31007	0.31007	0.34000
120	9.4170	0.92500	0.17501	0.34056	0.34056	0.38000
127	3.7130	0.45307	0.10130	0.35741	0.35741	0.43200
137	0.7330	0.05506	0.10160	0.35015	0.35015	0.47000
140	0.9300	0.06330	0.10300	0.36001	0.36001	0.52200
152	0.9200	0.06527	0.10447	0.36165	0.36165	0.56300
157	0.9000	0.06020	0.10421	0.36312	0.36312	0.60500

SANITIZATION PRESSURE RATINGS - FLOW SMITTEP I.O.

AUG WREN	PL	PL/PN	M/PTE	M/PTE	M/PTE	Y/PMAX
107	6.9070	0.87203	0.16507	0.32705	0.32705	1.00000
110	6.1750	0.80005	0.16000	0.31007	0.31007	1.00000
120	9.4170	0.92500	0.17501	0.34056	0.34056	1.00000
127	3.7130	0.45307	0.10130	0.35741	0.35741	1.00000
137	0.7330	0.05506	0.10160	0.35015	0.35015	1.00000
140	0.9300	0.06330	0.10300	0.36001	0.36001	1.00000
152	0.9200	0.06527	0.10447	0.36165	0.36165	1.00000
157	0.9000	0.06020	0.10421	0.36312	0.36312	1.00000

SANITIZATION PRESSURE RATINGS - 20 NEG SMOKE LOCATION

AUG WREN	PL	PL/PN	M/PTE	M/PTE	M/PTE	Y/PMAX
107	6.9070	0.87203	0.16507	0.32705	0.32705	0.79000
110	6.1750	0.80005	0.16000	0.31007	0.31007	0.84000
120	9.4170	0.92500	0.17501	0.34056	0.34056	0.84000
127	3.7130	0.45307	0.10130	0.35741	0.35741	0.84000
137	0.7330	0.05506	0.10160	0.35015	0.35015	0.84000
140	0.9300	0.06330	0.10300	0.36001	0.36001	0.84000
152	0.9200	0.06527	0.10447	0.36165	0.36165	0.84000
157	0.9000	0.06020	0.10421	0.36312	0.36312	0.84000

SANITIZATION PRESSURE RATINGS - 20 NEG SMOKE LOCATION

AUG WREN	PL	PL/PN	M/PTE	M/PTE	M/PTE	Y/PMAX
107	6.9070	0.87203	0.16507	0.32705	0.32705	0.79000
110	6.1750	0.80005	0.16000	0.31007	0.31007	0.84000
120	9.4170	0.92500	0.17501	0.34056	0.34056	0.84000
127	3.7130	0.45307	0.10130	0.35741	0.35741	0.84000
137	0.7330	0.05506	0.10160	0.35015	0.35015	0.84000
140	0.9300	0.06330	0.10300	0.36001	0.36001	0.84000
152	0.9200	0.06527	0.10447	0.36165	0.36165	0.84000
157	0.9000	0.06020	0.10421	0.36312	0.36312	0.84000

RUN.33

NAME-LEWIS PPE/INITIAL DATA 06/14/79 C400011 REC 11/01/79 05:15:36.455 FAR 07641 PG# 0934 PPG 1844

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WOOD	PI	PI/PD	PI/PTE	PI/PTD	Y/PMAX
22	17.496	1.3217	0.21646	0.42967	0.43400
27	7.4865	0.73386	0.12185	0.22672	0.53300
47	0.3012	0.89235	0.14653	0.22702	0.63100
52	10.291	1.0078	0.14723	0.22782	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WOOD	PI	PI/PD	PI/PTE	PI/PTD	Y/PMAX
42	10.476	1.0269	0.17052	0.23405	0.42200
47	11.840	1.1476	0.10203	0.27810	0.45200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WOOD	PI	PI/PD	PI/PTE	PI/PTD	Y/PMAX
77	48.519	4.7561	0.78060	1.5472	0.56400
92	29.219	2.8642	0.47557	0.91176	0.63500
92	17.351	1.0146	0.14646	0.22007	0.69200

ADDITIONAL PRESSURE RATIOS, JUNCTION SUMMIT

AVD WOOD	PI	PI/PD	PI/PTE	PI/PTD	Y/PMAX
-107	8.9512	0.87745	0.16549	0.28544	-1.0000
-112	0.1512	0.80704	0.14804	0.29182	-1.0000
-127	0.4461	0.92505	0.15374	0.29122	-1.0000
-127	0.7359	0.95437	0.15846	0.31046	-1.0000
-127	0.7859	0.95927	0.15927	0.31206	-1.0000
-142	0.8450	0.96515	0.16025	0.31307	-1.0000

ADDITIONAL PRESSURE RATIOS, SUPERNOV IMPT

AVD WOOD	PI	PI/PD	PI/PTE	PI/PTD	Y/PMAX
107	8.9512	0.87745	0.16549	0.28544	0.31900
112	0.1512	0.80704	0.14804	0.29182	0.34000
127	0.4461	0.92505	0.15374	0.29122	0.38400
127	0.7359	0.95437	0.15846	0.31046	0.43200
127	0.7859	0.95927	0.15927	0.31206	0.47800
142	0.8450	0.96515	0.16025	0.31307	0.52200
157	0.9550	0.96612	0.16061	0.31429	0.56300
177	0.9009	0.96956	0.16008	0.31540	0.60500

ADDITIONAL PRESSURE RATIOS, SAN NOBLE STAR

AVD WOOD	PI	PI/PD	PI/PTE	PI/PTD	Y/PMAX
-157	0.8550	0.96612	0.16061	0.31429	-1.0000
-157	0.9009	0.96956	0.16008	0.31540	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SUMMIT LOCATION

AVD WOOD	PI	PI/PD	PI/PTE	PI/PTD	Y/PMAX
177	17.306	1.9102	0.14522	0.32150	0.75200
177	10.006	1.28823	0.16285	0.31907	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SUMMIT LOCATION

AVD WOOD	PI	PI/PD	PI/PTE	PI/PTD	Y/PMAX
107	0.5462	0.93575	0.15527	0.30441	0.79300
127	0.5263	0.94658	0.14554	0.27540	0.84400

Rev 33

DEC 1965

PCN 6736

CAC 48481

DEC 11/01/79 05:17:23.327

CONFILL

06/14/70

ADDITIONAL PRESSURE RATINGS - 20 DEG SLURRY INJECTION

ADDITIONAL PRESSURE RATINGS - 20 DEG SLURRY INJECTION

AVN UNPN	PL	M/PM	M/PTF	M/PTP	K/PMAX
37	15.536	1.5776	0.21608	0.27867	0.67400
37	16.717	1.64801	0.12056	0.23910	0.53300
47	10.742	1.0102	0.16474	0.28555	0.63100
52	10.707	1.0138	0.16207	0.28444	0.72000

ADDITIONAL PRESSURE RATINGS - 20 DEG SLURRY INJECTION

AVN UNPN	PL	M/PM	M/PTF	M/PTP	K/PMAX
62	12.068	1.1870	0.16457	0.32403	0.62200
67	11.760	1.1575	0.16455	0.32637	0.69200

ADDITIONAL PRESSURE RATINGS - 20 DEG SLURRY INJECTION

AVN UNPN	PL	M/PM	M/PTF	M/PTP	K/PMAX
77	5.4067	0.53179	0.075521	0.14920	0.56400
82	37.958	3.3400	0.47433	0.93700	0.63500
92	10.317	1.0148	0.16431	0.28471	0.69200

ADDITIONAL PRESSURE RATINGS - 20 DEG SLURRY INJECTION

AVN UNPN	PL	M/PM	M/PTF	M/PTP	K/PMAX
-107	0.8054	0.87407	0.12435	0.24547	-1.0000
-117	0.0701	0.89710	0.12440	0.25076	-1.0000
-127	0.3465	0.89864	0.13072	0.25828	-1.0000
-127	0.4788	0.95107	0.13516	0.26706	-1.0000
-137	0.7137	0.95540	0.13548	0.26805	-1.0000
-147	0.7736	0.96120	0.13652	0.26879	-1.0000

ADDITIONAL PRESSURE RATINGS - 20 DEG SLURRY INJECTION

AVN UNPN	PL	M/PM	M/PTF	M/PTP	K/PMAX
107	0.8054	0.87407	0.12435	0.24547	0.31900
112	0.0701	0.89710	0.12440	0.25076	0.34000
122	0.3465	0.89864	0.13072	0.25828	0.38400
127	0.4788	0.95107	0.13516	0.26706	0.43200
137	0.7137	0.95540	0.13548	0.26805	0.47000
147	0.7736	0.96120	0.13652	0.26879	0.52200
157	0.8346	0.96767	0.13745	0.26908	0.56500
157	0.8346	0.96767	0.13745	0.27150	0.60500

ADDITIONAL PRESSURE RATINGS - 20 DEG SLURRY INJECTION

AVN UNPN	PL	M/PM	M/PTF	M/PTP	K/PMAX
-157	0.7835	0.98227	0.13777	0.26538	-1.0000
-157	0.8346	0.98767	0.13742	0.27150	-1.0000

ADDITIONAL PRESSURE RATINGS - 20 DEG SLURRY INJECTION

AVN UNPN	PL	M/PM	M/PTF	M/PTP	K/PMAX
157	10.357	1.01787	0.16447	0.28591	0.74300
177	0.0382	0.97749	0.13582	0.27425	0.84400

ADDITIONAL PRESSURE RATINGS - 20 DEG SLURRY INJECTION

AVN UNPN	PL	M/PM	M/PTF	M/PTP	K/PMAX
157	0.0731	0.98087	0.13031	0.27421	0.78500
167	0.0535	0.97056	0.13575	0.25828	0.84400

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Run 33

WASA-1 FUEL PRELIMINARY DATA 02/14/79 CANNIBIT PER 11/01/79 05:17:53.137 FAF 045X1 PCN 0036 OFC 1066

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PL	M / PD	M / PTF	M / PTP	X / PMAX
72	15.500	1.5201	0.21703	0.42900	0.43400
77	9.6400	0.84917	0.17107	0.23056	0.53300
47	10.477	1.0189	0.14723	0.20665	0.63100
52	10.155	1.0144	0.14460	0.20541	0.72500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PL	M / PD	M / PTF	M / PTP	X / PMAX
72	12.105	1.1858	0.16004	0.33364	0.42730
47	11.700	1.1540	0.16450	0.32460	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PL	M / PD	M / PTF	M / PTP	X / PMAX
77	5.3130	0.52060	0.074102	0.14644	0.56400
02	36.746	3.3352	0.47562	0.93030	0.63500
02	10.150	1.0130	0.14453	0.20520	0.69200

ADDITIONAL PRESSURE RATIOS , EXETER SURFIN

AVD WOPD	PL	M / PD	M / PTF	M / PTP	X / PMAX
-107	0.9800	0.87007	0.12514	0.24500	-1.0000
-112	0.1130	0.89263	0.12721	0.25109	-1.0030
-127	0.4051	0.82174	0.13123	0.25023	-1.0030
-127	0.4951	0.94975	0.13530	0.26722	-1.0000
-127	0.7101	0.95127	0.13555	0.26763	-1.0000
-162	0.7751	0.95750	0.13651	0.26943	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WOPD	PL	M / PD	M / PTF	M / PTP	X / PMAX
107	0.8800	0.87007	0.12414	0.24500	0.31900
112	0.1100	0.89263	0.12721	0.25109	0.36000
127	0.4050	0.92174	0.13123	0.25023	0.30600
127	0.4951	0.94975	0.13530	0.26722	0.43200
127	0.7101	0.95127	0.13555	0.26763	0.47000
147	0.7751	0.95750	0.13651	0.26943	0.52700
157	0.9051	0.96053	0.13651	0.27025	0.56300
157	0.9651	0.96660	0.13776	0.27191	0.60500

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE SLAB

AVD WOPD	PL	M / PD	M / PTF	M / PTP	X / PMAX
-157	0.8051	0.96053	0.13651	0.27025	-1.0000
-157	0.9651	0.96660	0.13776	0.27191	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SURFIN LOCATION

AVD WOPD	PL	M / PD	M / PTF	M / PTP	X / PMAX
167	11.370	1.0150	0.14491	0.20500	0.70300
177	11.311	1.0061	0.13079	0.20750	0.86600

ADDITIONAL PRESSURE RATIOS , 90 DEG SURFIN LOCATION

AVD WOPD	PL	M / PD	M / PTF	M / PTP	X / PMAX
107	10.010	0.90061	0.13079	0.20750	0.79300
107	0.4551	0.92623	0.13203	0.20600	0.86600

ADDITIONAL MEASURED THROAT PARAMETERS

330

Run 33

DEC 1967

95° C034

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DEC 11/01/70 05:10:50.047

CANOE11

PRELIMINARY DATA

PRELIMINARY PRESSURE RATIOS - PRIMARY MISC

AVG WIND	PI	M/PM	M/PTF	M/PTP	M/PMAX
32	13.403	1.3107	0.27049	0.43028	0.43409
37	7.6393	0.7101	0.12238	0.27027	0.53303
47	8.9295	0.87950	0.14706	0.28632	0.63100
52	10.259	1.0096	0.16077	0.32856	0.72000

PRELIMINARY PRESSURE RATIOS - FLOW SPLITTER I.D.

AVG WIND	PI	M/PM	M/PTF	M/PTP	M/PMAX
62	10.419	1.0251	0.17140	0.33371	0.42200
67	11.719	1.1530	0.19278	0.37534	0.69200

PRELIMINARY PRESSURE RATIOS - FLOW SPLITTER C.D.

AVG WIND	PI	M/PM	M/PTF	M/PTP	M/PMAX
77	47.310	4.6554	0.77040	1.5155	0.51400
82	28.039	2.8671	0.47604	0.92886	0.63503
87	19.319	1.0153	0.16075	0.33051	0.69200

PRELIMINARY PRESSURE RATIOS - 20 DEG SUMMIT LOCATIONS

AVG WIND	PI	M/PM	M/PTF	M/PTP	M/PMAX
107	0.9145	0.87704	0.14664	0.28552	1.0000
112	0.1205	0.39819	0.15018	0.29240	-1.3000
127	0.6245	0.89725	0.15502	0.30185	-1.0000
137	0.7145	0.35575	0.16071	0.31114	-1.3000
147	0.7605	0.04116	0.16071	0.31200	-1.0000
157	0.8144	0.94558	0.16145	0.31434	-1.0000

PRELIMINARY PRESSURE RATIOS - FLOW SPLITTER I.D.

AVG WIND	PI	M/PM	M/PTF	M/PTP	M/PMAX
107	0.9145	0.87704	0.14664	0.28552	0.31000
112	0.1205	0.39819	0.15018	0.29240	0.34000
127	0.6245	0.89725	0.15502	0.30185	0.38000
137	0.7145	0.35575	0.16071	0.31114	0.43000
147	0.7605	0.04116	0.16071	0.31200	0.47000
157	0.8144	0.94558	0.16145	0.31434	0.52200
167	0.8604	3.07000	0.16235	0.31610	0.56300
177	0.9004	3.07000	0.16235	0.31610	0.60500

PRELIMINARY PRESSURE RATIOS - 20 DEG SUMMIT LOCATIONS

AVG WIND	PI	M/PM	M/PTF	M/PTP	M/PMAX
157	0.8144	3.06657	0.16181	0.31466	-1.0000
167	0.8604	0.87095	0.16235	0.31610	-1.0000

PRELIMINARY PRESSURE RATIOS - 20 DEG SUMMIT LOCATIONS

AVG WIND	PI	M/PM	M/PTF	M/PTP	M/PMAX
167	10.376	1.0207	0.17046	0.33227	0.79300
177	10.096	0.98627	0.16457	0.32042	0.84400

PRELIMINARY PRESSURE RATIOS - 20 DEG SUMMIT LOCATIONS

AVG WIND	PI	M/PM	M/PTF	M/PTP	M/PMAX
187	0.5195	0.53654	0.15460	0.30489	1.70300
197	0.5745	0.84540	0.16071	0.31047	0.84400

Run 33

MEASUREMENTS PRELIMINARY DATA 06/14/79 CANNON FFC 11/01/79 OF: 1542.177 FAC 094V1 PG# 0234 ENG 1948

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	V/PMAX
77	13.456	1.7722	0.71037	0.42855	1.42470
87	7.4665	0.77300	0.17175	0.23785	0.53300
87	8.0816	0.80257	0.16638	0.20605	0.62107
87	10.279	1.0120	0.16757	0.22736	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	V/PMAX
87	10.453	1.0272	0.17037	0.23202	0.72200
87	11.643	1.1458	0.16074	0.27137	0.65207

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	V/PMAX
77	47.579	4.6745	0.77501	1.5150	0.56400
87	29.383	2.8578	0.47400	0.92426	0.83500
87	10.324	1.0140	0.16874	0.32805	0.65200

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	V/PMAX
-107	0.9166	0.87419	0.14532	0.28308	-1.0000
-112	0.1511	0.80024	0.14015	0.20145	-1.0000
-127	0.4355	0.02718	0.15378	0.30051	-1.0000
-127	0.7209	0.05611	0.15858	0.30088	-1.0000
-137	0.7507	0.06003	0.15023	0.31115	-1.0000
-147	0.9106	0.06403	0.16024	0.31274	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	V/PMAX
107	0.9166	0.87419	0.14532	0.28308	0.31900
112	0.1511	0.80024	0.14015	0.20145	0.34000
127	0.4355	0.02718	0.15378	0.30051	0.38000
127	0.7209	0.05611	0.15858	0.30088	0.43200
137	0.7507	0.06003	0.15023	0.31115	0.47800
147	0.9106	0.06403	0.16024	0.31274	0.52200
157	0.9206	0.06501	0.16220	0.31376	0.56300
157	0.9705	0.07001	0.16107	0.31465	0.60500

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	V/PMAX
-157	0.8204	0.04501	0.17177	0.31306	-1.0000
-167	0.9705	0.07001	0.16107	0.31465	-1.0000

ADDITIONAL PRESSURE RATIOS, 30 DEG SHROUD LOCATION

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	V/PMAX
107	13.743	1.7164	0.16058	0.22043	0.79300
127	13.744	0.98600	0.16777	0.31000	0.84400

ADDITIONAL PRESSURE RATIOS, 60 DEG SHROUD LOCATION

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTP	V/PMAX
107	0.5303	1.23650	0.15533	0.20353	0.79300
107	0.7377	0.85025	0.14737	0.27810	0.84400

SECTION 5, MEASURED THROAT DIAMETER

PAGE-1 CONT PRELIMINARY DATA 06/14/70

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DEC 11/31/70 05:27:45.869

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PG# 0034

DEC 1969

Run 33

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WOPD	PI	PI/PD	PI/PTP	PI/PTD	X/DMAX
22	11.707	1.1501	0.21870	0.42074	0.43491
27	6.4852	0.67734	0.12120	0.23707	0.53300
47	7.8149	0.76803	0.14605	0.28871	0.63100
52	10.459	1.0278	0.18545	0.38370	0.72000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PI	PI/PD	PI/PTP	PI/PTD	X/DMAX
62	0.1141	0.89572	0.17033	0.33430	0.42200
47	11.597	1.1398	0.21676	0.42545	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PI	PI/PD	PI/PTP	PI/PTD	X/DMAX
77	41.896	4.1175	0.78200	1.5371	0.56400
82	25.410	2.4973	0.47488	0.93224	0.63500
82	12.338	1.0160	0.10321	0.37930	0.69200

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER~~

AVD WOPD	PI	PI/PD	PI/PTP	PI/PTD	X/DMAX
-107	0.8807	0.87362	0.16613	0.32614	-1.0000
-117	0.1241	0.89670	0.17052	0.33475	-1.0000
-122	0.4080	0.92470	0.17584	0.34520	-1.0000
-127	0.6887	0.95229	0.18107	0.35547	-1.0000
-137	0.6987	0.95318	0.18126	0.35583	-1.0000
-147	0.7786	0.96103	0.18275	0.35877	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVD WOPD	PI	PI/PD	PI/PTP	PI/PTD	X/DMAX
107	0.8807	0.87362	0.16613	0.32614	0.31900
117	0.1241	0.89670	0.17052	0.33475	0.34000
122	0.4080	0.92470	0.17584	0.34520	0.38600
127	0.6887	0.95229	0.18107	0.35547	0.43200
137	0.6987	0.95318	0.18126	0.35583	0.47800
147	0.7786	0.96103	0.18275	0.35877	0.52200
152	0.7086	0.96300	0.18313	0.35850	0.56300
157	0.8426	0.96742	0.18397	0.36115	0.60500

~~ADDITIONAL PRESSURE RATIOS , FAN WHEEL FLOW~~

AVD WOPD	PI	PI/PD	PI/PTP	PI/PTD	X/DMAX
-157	0.7086	0.96300	0.18313	0.35850	-1.0000
-157	0.8426	0.96742	0.18397	0.36115	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG CIRCUIT LOCATION

AVD WOPD	PI	PI/PD	PI/PTP	PI/PTD	X/DMAX
167	12.748	1.0170	0.18340	0.37066	0.79300
177	12.308	0.98362	0.18705	0.36720	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG CIRCUIT LOCATION

AVD WOPD	PI	PI/PD	PI/PTP	PI/PTD	X/DMAX
187	0.6387	0.94434	0.17058	0.35252	0.79300
197	0.9302	0.96071	0.16520	0.32630	0.84400

RUN 33

WATER-LEVEL PRELIMINARY DATA 7/14/79 CANNETT PFC 11/01/79 05:21:51.612 F&C, SEAKI PG# 0034 DEC 1979

ADDITIONAL PRESSURE RATIOS, PRIMARY PILING

AVG WIND	PI	PI/BN	PI/PTF	PI/PTP	X/DMAX
77	0.4530	0.03350	0.21767	0.42900	0.42400
77	0.5176	0.04370	0.12708	0.25045	0.53300
67	0.0761	0.00386	0.20677	0.40745	0.63100
57	10.065	0.00109	0.23182	0.45489	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTED L.D.

AVG WIND	PI	PI/BN	PI/PTF	PI/PTP	X/DMAX
77	7.4370	0.77033	0.17050	0.23422	0.42200
67	11.536	1.1357	0.26545	0.52354	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTED C.D.

AVG WIND	PI	PI/BN	PI/PTF	PI/PTP	X/DMAX
77	34.645	3.4113	0.79792	1.5726	0.66400
67	20.672	2.0755	0.47612	0.93837	0.63500
57	10.310	1.0152	0.23746	0.44801	0.69200

ADDITIONAL PRESSURE RATIOS, F&C FOR 400000

AVG WIND	PI	PI/BN	PI/PTF	PI/PTP	X/DMAX
-107	0.8317	0.06957	0.20360	0.40087	-1.0000
-117	0.0311	0.00025	0.20000	0.40905	-1.7000
-127	0.3409	0.01076	0.21514	0.42401	-1.3000
-137	0.6637	0.06077	0.22704	0.43762	-1.0000
-147	0.6637	0.06124	0.22750	0.43852	-1.0000
-157	0.6096	0.05610	0.22719	0.43980	-1.0000

ADDITIONAL PRESSURE RATIOS, F&C FOR 100000

AVG WIND	PI	PI/BN	PI/PTF	PI/PTP	X/DMAX
177	0.8312	0.06957	0.20360	0.40087	0.31000
117	0.0311	0.00025	0.20000	0.40905	0.34000
127	0.3409	0.01076	0.21514	0.42401	0.38400
137	0.6637	0.06077	0.22704	0.43762	0.43700
147	0.6637	0.06124	0.22750	0.43852	0.47800
157	0.6096	0.05610	0.22719	0.43980	0.52200
167	0.7506	0.06030	0.22457	0.44261	0.56300
177	0.9706	0.06502	0.22577	0.44487	0.60500

ADDITIONAL PRESSURE RATIOS, F&C FOR 200000

AVG WIND	PI	PI/BN	PI/PTF	PI/PTP	X/DMAX
-157	0.7506	0.06030	0.22457	0.44261	-1.0000
-167	0.9706	0.06502	0.22577	0.44487	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SURROUND LOCATION

AVG WIND	PI	PI/BN	PI/PTF	PI/PTP	X/DMAX
167	10.755	1.0106	0.23840	0.47005	0.70300
177	0.9405	0.07879	0.22854	0.45122	0.84600

ADDITIONAL PRESSURE RATIOS, 40 DEG SURROUND LOCATION

AVG WIND	PI	PI/BN	PI/PTF	PI/PTP	X/DMAX
167	0.5608	0.03944	0.21574	0.43308	0.79300
177	0.6474	0.05089	0.18077	0.38225	0.84600

ADDITIONAL PRESSURE RATIOS, 60 DEG SURROUND LOCATION

AVG WIND	PI	PI/BN	PI/PTF	PI/PTP	X/DMAX
167	0.5608	0.03944	0.21574	0.43308	0.79300
177	0.6474	0.05089	0.18077	0.38225	0.84600

Run 33

NACA-1171C PRELIMINARY DATA 06/14/79 CADDREI PFC 11/01/79 DF:22:57.179

FAC RTAVI PGM C936 ORG 1051

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAV
32	9.9027	3.98172	0.21776	0.42944	3.43400
37	5.5399	0.54427	0.12059	0.23808	0.52200
47	9.7480	3.91848	0.20336	0.40178	0.62100
52	10.102	1.0013	0.21173	0.43867	3.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAV
42	7.9216	3.76863	0.17014	0.33614	3.42200
67	11.455	1.1256	0.24016	0.40227	3.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAV
77	36.641	3.5998	0.20762	1.5747	0.56400
82	21.879	2.1456	0.47506	0.93855	0.63500
92	10.332	1.3151	0.22474	0.44403	0.69200

ADDITIONAL PRESSURE RATIOS, EFFICIENCY SHOWN

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAV
-107	8.8448	0.86895	0.10239	0.38011	-1.0000
-112	9.3696	3.89102	0.10728	0.38977	-1.0000
-122	9.1788	0.92147	0.20401	0.40306	-1.0000
-127	9.6683	0.86895	0.21031	0.41550	-1.0000
-137	9.6932	0.95231	0.21085	0.41658	-1.0000
-142	9.7481	0.95779	0.21204	0.41893	-1.0000

ADDITIONAL PRESSURE RATIOS, FREEDOM INLET

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAV
107	8.8448	0.86895	0.10239	0.38011	0.31900
112	9.3696	3.89102	0.10728	0.38977	3.34900
122	9.1788	0.92147	0.20401	0.40306	0.38600
127	9.6683	0.86895	0.21031	0.41550	0.43200
137	9.6932	0.95231	0.21085	0.41658	0.47800
142	9.7481	0.95779	0.21204	0.41893	3.52200
152	9.7481	0.95966	0.21268	0.41979	3.56300
157	9.8187	0.96456	0.21356	0.42106	0.60500

ADDITIONAL PRESSURE RATIOS, FAN UNIT 21E FID

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAV
-152	9.7481	0.95966	0.21268	0.41979	-1.0000
-157	9.8187	0.96456	0.21356	0.42106	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIPWING LOCATION

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAV
167	17.337	1.0155	0.22485	0.44424	3.79300
172	9.7677	3.97927	0.21683	0.42837	1.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHIPWING LOCATION

AVG WOOD	PI	PI/PO	PI/PTF	PI/PTD	V/DMAV
182	9.5685	0.94305	0.20812	0.41121	3.79300
187	8.4791	0.95277	0.18881	0.37206	0.84400

Run 33

NASA-Lewis PRELIMINARY DATA 36/14/79 CANNON PFC 11/01/79 05:23:49.587 FAC 44441 PGM F934 DNG 1857

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVG WOPN	PI	PI/P0	PI/P0F	PI/P0D	X/DMAX
22	7.9368	7.77639	7.22181	7.42795	0.43600
27	9.9398	9.96666	9.27611	9.53271	0.53300
47	10.145	10.99619	10.28666	10.56922	0.63100
52	10.445	11.0250	10.29708	10.56566	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WOPN	PI	PI/P0	PI/P0F	PI/P0D	X/DMAX
42	6.2393	6.61281	6.17508	6.33779	0.42200
47	11.409	11.1276	10.32015	10.61769	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WOPN	PI	PI/P0	PI/P0F	PI/P0D	X/DMAX
22	28.956	2.8638	2.81245	1.5675	0.56400
42	16.951	1.6640	1.47566	0.91772	0.63500
47	10.325	1.9141	1.28071	0.55897	0.69203

ADDITIONAL PRESSURE RATIOS, EJECTION CHAMBER

AVG WOPN	PI	PI/P0	PI/P0F	PI/P0D	X/DMAX
-107	8.8668	7.86872	7.25838	7.47885	-1.0000
-117	9.8698	8.86882	7.25457	7.49103	-1.0000
-127	9.3668	8.91975	7.26278	7.50700	-1.0000
-137	9.6698	9.96976	7.27136	7.52351	-1.0000
-147	9.6968	9.95229	7.27276	7.52886	-1.0000
-157	9.7598	9.95858	7.27386	7.52838	-1.7690

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVG WOPN	PI	PI/P0	PI/P0F	PI/P0D	X/DMAX
107	8.8668	8.86872	7.26010	7.47885	0.31500
117	9.8698	8.86882	7.25450	7.49103	0.36000
127	9.3668	8.91970	7.26278	7.50700	0.38800
137	9.6698	9.96976	7.27136	7.52351	0.43203
147	9.6968	9.95229	7.27276	7.52886	0.47800
157	9.7598	9.95858	7.27386	7.52838	0.52200
167	9.8148	9.96309	7.27561	7.53136	0.60500

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVG WOPN	PI	PI/P0	PI/P0F	PI/P0D	X/DMAX
-157	9.7668	9.95907	7.27578	7.52865	-1.0000
-167	9.8148	9.96309	7.27561	7.53136	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIMM LOCATION

AVG WOPN	PI	PI/P0	PI/P0F	PI/P0D	X/DMAX
167	17.357	1.7155	1.20062	0.56032	0.79300
177	10.005	1.99764	1.28076	0.56166	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHIMM LOCATION

AVG WOPN	PI	PI/P0	PI/P0F	PI/P0D	X/DMAX
167	8.5868	7.94149	7.26885	7.51891	0.79300
177	8.7148	8.95555	7.26456	7.47181	0.84400

ADDITIONAL THERMODYNAMIC PARAMETERS

Run 33

MASS-1 FLUJS PRELIMINARY DATA 06/14/79 CANNETT FCC 11/01/79 05:24:14.836 F4C RK6W1 PCW C034 ENG 1953

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	7.8480	0.77981	0.22020	0.42006	1.43400
37	9.4320	0.96575	0.27580	0.53756	1.53300
47	10.190	1.0016	0.79812	0.55750	0.63100
52	10.480	1.0281	0.29289	0.57226	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
62	6.1936	0.63826	0.17376	0.32957	1.42200
47	11.358	1.1155	0.31865	0.62000	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	28.931	2.8612	0.81164	1.5815	0.56400
92	16.975	1.6421	0.47481	0.97518	0.63500
92	10.446	1.0158	0.29018	0.56563	0.69200

CANNETT PRESSURE RATIOS , FLOW SPLITTER

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	8.8539	0.86952	0.24830	0.48300	-1.0000
-112	0.7080	0.80358	0.25526	0.40738	-1.0000
-122	0.4288	0.82599	0.26652	0.51542	-1.0000
-127	0.7138	0.85397	0.27251	0.53100	-1.0000
-137	0.7688	0.85741	0.27250	0.53291	-1.0000
-142	0.9388	0.96339	0.27518	0.53615	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	8.8539	0.86952	0.24830	0.48300	0.31900
112	0.7080	0.80358	0.25526	0.40738	0.74000
122	0.4288	0.82599	0.26652	0.51542	0.38600
127	0.7138	0.85397	0.27251	0.53100	0.43200
137	0.7688	0.85741	0.27250	0.53291	0.47800
142	0.9388	0.96339	0.27518	0.53615	0.52200
152	0.8388	0.86624	0.27602	0.53783	0.56300
157	0.8838	0.97066	0.27728	0.54029	0.60500

ADDITIONAL PRESSURE RATIOS , FAN WOPD FLAP

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-152	0.3388	0.86624	0.27602	0.53783	-1.0000
-157	0.8838	0.97066	0.27728	0.54029	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	17.340	1.0163	0.29022	0.56570	0.79300
172	17.040	0.88686	0.28101	0.54931	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	0.6788	0.86366	0.27657	0.52526	0.79300
107	0.6480	0.84030	0.26764	0.47272	0.84400

Run 33

NASA-Lewis Preliminary Data 06/14/79 Canfield REC 11/01/79 05:25:15.223 FAC 9X6V1 PG# C034 PNC 1854

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	0.6366	0.86873	0.76055	0.42860	0.43400
77	0.7593	0.95871	0.77188	0.48452	0.53300
67	0.7693	0.75069	0.77216	0.49502	0.63100
67	10.774	1.0142	0.78761	0.51257	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
67	6.7947	0.66748	0.19020	0.33734	0.42200
67	11.794	1.1106	0.71400	0.56120	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	29.739	2.8692	0.81370	1.4501	0.56400
67	17.374	1.6773	0.47565	0.84760	0.63500
67	10.370	1.0157	0.28802	0.51331	0.69200

ADDITIONAL PRESSURE RATIOS, SECTION SHROUD

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	0.9606	0.87131	0.76709	0.44035	-1.0000
-112	0.9605	0.80095	0.75266	0.45028	-1.0000
-122	0.7804	0.92228	0.26157	0.46616	-1.0000
-127	0.7363	0.95331	0.27035	0.48180	-1.0000
-137	0.7643	0.95724	0.27146	0.48378	-1.0000
-147	0.9093	0.96362	0.27227	0.48701	-1.0000

ADDITIONAL PRESSURE RATIOS, EXTERNAL INLET

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	0.9606	0.87131	0.76709	0.44035	0.31900
112	0.9605	0.80095	0.75266	0.45028	0.34000
122	0.7804	0.92228	0.26157	0.46616	0.78600
127	0.7363	0.95331	0.27035	0.48180	0.43200
137	0.7643	0.95724	0.27146	0.48378	0.47800
147	0.9093	0.96362	0.27227	0.48701	0.52200
157	0.9643	0.96736	0.27425	0.48875	0.56300
157	0.9843	0.77000	0.27536	0.49073	0.60500

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	0.9643	0.76726	0.27629	0.48875	-1.0000
-157	0.9843	0.97099	0.27536	0.49073	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	10.756	1.7171	0.28845	0.51496	0.79300
177	17.370	0.98621	0.27068	0.49842	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVG WPRD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	0.6166	0.96447	0.76784	0.47733	0.79300
107	0.7264	0.85756	0.76310	0.43341	0.84400

ADDITIONAL MEASURED THICKNESS PARAMETERS

Run 33

WSP-1 F-15 PRELIMINARY DATA M/14/79 GADGETS DEC 11/01/79 05:26:02.747 FAC 95471 PCN 0734 PNC 1045

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVD WORD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
37	11.088	1.1790	0.22004	0.42085	0.43609
37	6.3945	0.59868	0.17760	0.25843	0.52300
47	7.3603	1.12367	0.16374	0.28825	0.63100
52	10.353	1.0157	0.22525	0.43502	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVD WORD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
12	8.5789	0.84245	0.19865	0.33562	0.42200
67	11.242	1.1360	0.24506	0.44069	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WORD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
77	37.053	3.6396	0.07618	1.4496	0.56400
82	21.866	2.1472	0.47576	0.85561	0.63500
97	11.333	1.0147	0.22682	0.40424	0.65200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVD WORD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
-107	0.8538	0.86965	0.10264	0.36638	-1.0000
-112	0.3687	0.80955	0.15731	0.35478	-1.0000
-122	0.6035	0.82363	0.22663	0.36788	-1.0000
-127	0.6836	0.85301	0.21068	0.37883	-1.3300
-137	0.7436	0.85480	0.21150	0.38118	-1.0000
-142	0.9133	0.86367	0.21351	0.39301	-1.0000

ADDITIONAL PRESSURE RATIOS, EMPLOYER 1817

AVD WORD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
107	0.8538	0.86965	0.10264	0.36638	0.31900
112	0.3687	0.80955	0.15731	0.35478	0.34900
122	0.6035	0.82363	0.20440	0.36788	0.38600
127	0.6836	0.85091	0.21068	0.37883	0.43200
137	0.7436	0.85680	0.21150	0.38118	0.47800
147	0.8133	0.86367	0.21351	0.39301	0.52200
152	0.9483	0.86710	0.21427	0.39528	0.56300
157	0.9883	0.87103	0.21514	0.39846	0.60500

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
-157	0.8483	0.86710	0.21427	0.39528	-1.0000
-157	0.8883	0.87103	0.21514	0.39846	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOCK LOCATION

AVD WORD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
147	11.358	1.0172	0.22524	0.40522	0.79300
177	11.363	0.88676	0.21851	0.39200	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHOCK LOCATION

AVD WORD	PI	M/PO	M/PTF	PI/PTP	X/PMAX
187	0.5984	0.86257	0.23884	0.37551	0.79300
187	0.8865	0.85225	0.18005	0.37502	0.84400

Run 33

NASA-Lewis ORIGINARY DATA 11/14/70 CANNETT REF 11/01/70 05:26:44.663

FAR QUART

PCM 0034

RPG 1856

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	13.405	1.3164	0.27862	0.42766	0.43400
77	7.4309	0.73360	0.13243	0.27726	0.53300
67	8.9565	1.87955	0.15643	0.28573	1.43100
57	10.458	1.0270	0.18616	0.22363	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
67	10.423	1.0236	0.18554	0.22252	1.42200
67	11.216	1.1015	0.19965	0.35782	1.45200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER R.O.

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	44.571	4.7770	0.79338	1.4219	0.46400
67	26.667	2.6183	0.47450	0.84057	0.43500
57	10.723	1.0138	0.18376	0.22934	0.40200

ADDITIONAL PRESSURE RATIOS, EJECTION SHROUD

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	8.9067	0.87466	0.15854	0.28414	-1.0000
-112	9.1461	0.89817	0.16280	0.28178	-1.3000
-122	9.4005	0.92316	0.16733	0.29990	-1.0000
-127	9.7268	1.95334	0.17795	0.30960	-1.0000
-137	9.7148	0.95402	0.17293	0.30902	-1.3000
-147	9.7747	0.95990	0.17360	0.31183	-1.9900

ADDITIONAL PRESSURE RATIOS, EXTERIOR INLET

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	8.9067	0.87466	0.15854	0.28414	0.31300
112	9.1461	0.89817	0.16280	0.28178	0.34000
122	9.4005	0.92316	0.16733	0.29990	0.38600
127	9.7268	0.95402	0.17293	0.30902	0.43700
137	9.7148	0.95402	0.17293	0.30902	0.47800
142	9.7747	0.95990	0.17360	0.31183	0.52200
152	9.8396	0.96333	0.17461	0.31295	0.56300
157	9.8565	0.96773	0.17541	0.31438	0.60500

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	9.8396	0.96333	0.17461	0.31295	-1.0000
-157	9.8565	0.96773	0.17541	0.31438	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
167	10.328	1.0143	0.18385	0.22050	0.79300
177	10.710	0.98350	0.17824	0.21563	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
187	0.5353	0.02364	0.16320	0.23324	0.75300
197	0.6277	0.36773	0.15257	0.27523	0.84400

CORRECTIONS, MEASURED YOUTH PARAMETERS

ORIGINAL PAGE IS
OF POOR QUALITY

341

Run 33

WELL-LOGS PRELIMINARY DATA 06/16/79 CAMOES PFC 11/01/79 05:27:11.206 FAN 0446 PCM 0934 095 1857

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WORN	PI	M/PO	M/PTT	PI/PTP	X/PMAX
32	14.667	1.4390	0.23862	0.42829	0.43407
37	8.1521	0.79983	0.13262	0.23800	0.53300
47	0.7893	0.06730	0.15026	0.29578	0.63100
52	10.258	1.7364	0.16680	0.25067	0.72907

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVG WORN	PI	M/PO	M/PTT	PI/PTP	X/PMAX
62	11.395	1.1187	0.18539	0.33268	0.42200
67	11.276	1.1016	0.18262	0.32773	0.69273

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVG WORN	PI	M/PO	M/PTT	PI/PTP	X/PMAX
77	48.402	0.7575	0.78802	1.4157	0.56400
82	29.234	0.8482	0.47562	0.85368	0.63500
92	10.243	1.0147	0.16827	0.30105	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVG WORN	PI	M/PO	M/PTT	PI/PTP	X/PMAX
-107	0.0306	0.87618	0.14528	0.26072	-1.0000
-112	0.1602	0.82877	0.14003	0.26763	-1.0000
-122	0.4346	0.07567	0.25269	0.27566	-1.0000
-127	0.7200	0.05451	0.15828	0.28603	-1.0000
-137	0.7547	0.05496	0.15860	0.28676	-1.0000
-142	0.8188	0.06332	0.15074	0.28666	-1.0000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVG WORN	PI	M/PO	M/PTT	PI/PTP	X/PMAX
177	0.0306	0.87618	0.14528	0.26072	0.31500
112	0.1602	0.82877	0.14003	0.26763	0.34003
122	0.4346	0.07567	0.25269	0.27566	0.38600
127	0.7200	0.05451	0.15828	0.28603	0.43200
137	0.7547	0.05496	0.15860	0.28676	0.47800
142	0.8188	0.06332	0.15074	0.28666	0.52200
152	0.8388	0.06528	0.14907	0.28726	0.56200
157	0.8787	0.06920	0.16072	0.28840	0.60500

ADDITIONAL PRESSURE RATIOS, FAN MOTOR FLOW

AVG WORN	PI	M/PO	M/PTT	PI/PTP	X/PMAX
-152	0.0306	0.87618	0.14528	0.26072	-1.0000
-157	0.8787	0.06920	0.16072	0.28840	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SIMPSON LOCATION

AVG WORN	PI	M/PO	M/PTT	PI/PTP	X/PMAX
167	10.278	1.0133	0.16802	0.30151	0.79300
172	10.073	0.99437	0.16222	0.29202	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SIMPSON LOCATION

AVG WORN	PI	M/PO	M/PTT	PI/PTP	X/PMAX
182	0.6142	0.04325	0.15661	0.28068	0.79300
187	0.9658	0.06786	0.16201	0.25025	0.84400

RUN 33

WASS-1000C PRELIMINARY DATA 06/14/79 CANNON PFC 11/01/79 05:27:53.143 FAF 04671 PCN 0034 006 1050

ADDITIONAL PRESSURE RATIOS, PRIMARY INJ.

AVN WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
72	17.072	1.6723	0.22726	0.42042	0.43404
77	0.4006	0.02773	0.12233	0.22050	0.53300
47	11.341	1.1155	0.15026	0.20643	0.63100
52	10.443	1.3273	0.14075	0.24279	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 1.0.

AVN WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
62	13.252	1.3011	0.18450	0.37410	0.42203
67	11.216	1.1013	0.15024	0.20278	0.64200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER 0.0.

AVN WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
77	5.6359	0.55337	0.070508	0.14209	0.56400
92	34.006	3.3466	0.47473	0.85033	0.43500
92	10.333	1.0146	0.14204	0.24051	0.69200

ADDITIONAL PRESSURE RATIOS, EJECTION ROUNDS

AVN WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
-107	0.0504	0.07003	0.12469	0.22546	-1.0000
-112	0.1553	0.09002	0.12753	0.23002	-1.0000
-122	0.4447	0.07734	0.13157	0.23012	-1.0000
-127	0.7202	0.05527	0.13553	0.24529	-1.0000
-137	0.7441	0.05674	0.13574	0.24567	-1.0000
-142	0.0763	0.06658	0.13085	0.24768	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD IMPET

AVN WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
107	0.0506	0.07003	0.12468	0.22566	0.31900
112	0.1553	0.09002	0.12753	0.23002	0.34003
122	0.4447	0.07734	0.13157	0.23012	0.30600
127	0.7202	0.05527	0.13553	0.24529	0.43200
137	0.7441	0.05674	0.13574	0.24567	0.47000
142	0.0243	0.06658	0.13085	0.24768	0.42700
152	0.0579	0.06752	0.12727	0.24844	0.56300
157	0.0000	0.07193	0.13709	0.24057	0.60500

ADDITIONAL PRESSURE RATIOS, EARLY MOTILE FLAR

AVN WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
-152	0.0529	0.06752	0.12727	0.24844	-1.0000
-157	0.0000	0.07193	0.13709	0.24057	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOOT LOCATION

AVN WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
157	0.0723	1.0136	0.14380	0.26026	0.70300
172	0.0006	0.08173	0.13020	0.25209	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHOOT LOCATION

AVN WORN	PI	PI/PN	PI/PTF	PI/PTD	X/PMAX
157	0.0006	0.08075	0.12914	0.25193	0.79300
172	0.0140	0.07440	0.12115	0.23737	0.84400

MEASURED TURBIDITY PARAMETERS

Run 33

NACA-LEWIS POST-INITIAL DATA 06/16/79 CAMD011 REC 11/11/79 05:28:54.315 FAC 00001 PCN 0004 PRC 1000

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUM

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
32	17.154	1.4790	0.23861	0.43000	0.47400
37	9.5507	0.87650	0.13284	0.22059	0.53300
47	11.441	0.09706	0.15001	0.22680	0.63100
52	10.402	0.90518	0.14587	0.26701	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
62	13.354	1.1521	0.19550	0.22675	0.42200
67	11.227	0.06953	0.15402	0.22142	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
77	5.4750	0.47234	0.076091	0.13774	0.56400
82	76.146	0.0658	0.47655	0.85503	0.63500
92	10.347	0.89264	0.14781	0.25538	0.60700

ADDITIONAL PRESSURE RATIOS, EJECTION SHROUD

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
-107	0.9585	0.77286	0.17450	0.22456	-1.0000
-112	0.1384	0.78828	0.12700	0.22907	-1.0000
-122	0.4281	0.81338	0.13103	0.23634	-1.0000
-127	0.6020	0.83627	0.13471	0.24787	-1.0000
-137	0.7179	0.83838	0.13506	0.24789	-1.0000
-142	0.7679	0.86260	0.13575	0.24485	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTION THIST

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
107	0.9585	0.77286	0.12450	0.22456	0.31900
112	0.1384	0.78828	0.12700	0.22907	0.34000
122	0.4281	0.81338	0.13103	0.23634	0.28600
127	0.6020	0.83627	0.13471	0.24787	0.42700
137	0.7179	0.83838	0.13506	0.24789	0.47800
142	0.7679	0.86260	0.13575	0.24485	0.52200
152	0.7828	0.86308	0.13506	0.24523	0.54300
157	0.8228	0.86820	0.13665	0.24648	0.60500

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
-152	0.7828	0.86308	0.13506	0.24523	-1.0000
-157	0.8228	0.86820	0.13666	0.24648	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SUPPLEMENT LOCATION

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
167	10.242	0.89225	0.14774	0.25025	0.79300
172	0.9277	0.85734	0.13811	0.24911	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SUPPLEMENT LOCATION

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/PMAX
182	0.9427	0.85777	0.13819	0.24924	0.77100
187	0.7402	0.80668	0.13592	0.23437	0.84400

ADDITIONAL PRESSURE RATIOS, THRUST DIFFERENCE

ACN 33

WASA-LEWIS PRELIMINARY DATA 06/16/79 CANNETT REF 11/01/79 05:20:43.766 FAN BRAY1 PG# 0934 PG 1040

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DNAY
32	14.691	1.4414	0.23910	0.42853	0.43403
37	8.1519	0.80028	0.13275	0.23702	0.53200
42	9.4901	0.96227	0.15541	0.24606	0.63100
52	10.275	1.0988	0.16734	0.29002	0.72903

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DNAY
42	11.300	1.1192	0.18565	0.33273	0.42200
47	11.109	1.0906	0.18240	0.32600	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DNAY
77	47.601	4.6736	0.77527	1.3805	0.58400
82	20.174	2.0844	0.47516	0.85159	0.63500
92	10.340	1.0152	0.16840	0.30182	0.69200

ADDITIONAL PRESSURE RATIOS , EFFECYR SUPPLY

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DNAY
-137	8.9156	0.87526	0.14521	0.26024	-1.0000
-112	9.1305	0.89644	0.14871	0.26652	-1.0000
-122	9.4303	0.92590	0.15359	0.27527	-1.0000
-127	9.7107	0.95337	0.15815	0.28344	-1.0000
-137	9.7402	0.95631	0.15864	0.28529	-1.0000
-142	9.9001	0.96229	0.15961	0.28606	-1.0000

ADDITIONAL PRESSURE RATIOS , EFFECYR INTET

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DNAY
137	8.9156	0.87526	0.14521	0.26024	0.31900
112	9.1305	0.89644	0.14871	0.26652	0.34903
122	9.4303	0.92590	0.15359	0.27527	0.38600
127	9.7107	0.95337	0.15815	0.28344	0.43200
137	9.7402	0.95631	0.15864	0.28471	0.47800
142	9.9001	0.96229	0.15961	0.28606	0.52200
152	9.9151	0.96367	0.15996	0.28650	0.56300
157	9.9511	0.96711	0.16043	0.28752	0.60500

ADDITIONAL PRESSURE RATIOS , FAN NO771F FLAP

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DNAY
-152	8.9151	0.87367	0.14506	0.26650	-1.0000
-157	8.9501	0.87711	0.14543	0.26752	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHIMM LOCATION

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DNAY
147	10.340	1.0152	0.16840	0.30182	0.79200
172	10.319	0.98281	0.16703	0.29219	0.84403

ADDITIONAL PRESSURE RATIOS , 40 DEG SHIMM LOCATION

AVG WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DNAY
182	8.6702	0.84454	0.15568	0.28081	0.70300
187	8.8006	0.87201	0.16449	0.28002	0.84403

SECTION 5 - MEASURED THRUST DATA

Run 33

NACA-11515 PRELIMINARY DATA 04/14/70 CAMDFII REC 11/01/79 05:30:47.703 FAF 00001 PGM 0034 PPG 1061

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
32	12.816	1.2562	0.23805	0.42572	0.63600
37	7.1064	0.69650	0.13740	0.23820	0.53300
47	2.5604	0.83912	0.15961	0.28704	0.63100
52	10.573	1.0366	0.19714	0.34444	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
52	0.9501	0.97623	0.18549	0.33394	0.42200
57	11.163	1.0942	0.20813	0.37420	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
77	41.858	4.1031	0.78043	1.4035	0.56400
82	25.426	2.4924	0.47407	0.85257	0.63500
82	10.344	1.0139	0.10284	0.34583	0.69232

ADDITIONAL PRESSURE RATIOS, EXHAUST CHAMBER

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
-117	0.9251	0.87487	0.16641	0.29927	-1.0000
-112	0.1449	0.89661	0.17051	0.30664	-1.0000
-122	0.4246	0.92384	0.17572	0.31602	-1.0000
-127	0.7193	0.95273	0.18122	0.32550	-1.0000
-137	0.7543	0.95615	0.18187	0.32737	-1.0000
-142	0.8242	0.96301	0.18317	0.32942	-1.0000

ADDITIONAL PRESSURE RATIOS, EXHAUST INLET

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
107	0.9251	0.87487	0.16641	0.29927	0.31900
112	0.1449	0.89661	0.17051	0.30664	0.34000
122	0.4246	0.92384	0.17572	0.31602	0.38600
127	0.7193	0.95273	0.18122	0.32550	0.43200
127	0.7543	0.95615	0.18187	0.32707	0.47800
142	0.8242	0.96301	0.18317	0.32942	0.52200
157	0.9462	0.96497	0.18254	0.33009	0.56300
157	0.8702	0.96830	0.18623	0.33126	0.60500

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
-152	0.9462	0.95497	0.18254	0.33009	-1.0000
-157	0.8702	0.96830	0.18620	0.33126	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
157	10.344	1.0139	0.10284	0.34683	0.79300
177	10.045	0.99524	0.14724	0.33495	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHROUD LOCATION

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DNAX
157	0.5845	0.93951	0.17870	0.32138	0.79300
177	0.7452	0.95724	0.16205	0.32324	0.84400

NOTES: 1. MEASURED THROU PRESSURE

ORIGINAL PAGE IS
OF POOR QUALITY

Run 33

MASS-LEWIS PRELIMINARY DATA 06/14/79 CADDREII DEC 11/01/79 05:31:27.245

FAC 006X1

PG# 0034

PG# 1062

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAY
77	10.032	1.0747	0.23002	0.42907	3.43430
77	6.3993	0.59598	0.13109	0.23739	3.53300
47	7.4395	0.72407	0.16056	0.28977	0.62100
67	10.393	1.0161	0.22504	0.40473	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAY
77	9.5716	0.83909	0.18577	0.33411	0.42200
47	11.112	1.0874	0.24083	0.33312	3.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAY
77	36.460	3.5670	0.79070	1.4212	3.56400
97	21.941	2.1399	0.47290	0.85213	0.63500
97	10.368	1.0146	0.22471	0.40415	0.69200

~~ADDITIONAL PRESSURE RATIOS , EJECTION SUBSONIC~~

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAY
-107	8.9310	0.87299	0.19336	0.34773	-1.0000
-112	9.1257	0.80300	0.16778	0.35571	-1.0000
-122	9.4102	0.92986	0.29395	0.36689	-1.0000
-127	9.7346	0.95163	0.21074	0.37005	-1.0000
-137	9.7146	0.95065	0.21054	0.37864	-1.0000
-147	9.7605	0.95602	0.21173	0.38080	-1.0000

ADDITIONAL PRESSURE RATIOS , FORERUN INLET

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAY
107	8.9310	0.87299	0.19336	0.34773	0.31900
112	9.1257	0.80300	0.16778	0.35571	0.34000
122	9.4102	0.92986	0.29395	0.36689	0.38600
127	9.7346	0.95163	0.21074	0.37005	0.43200
137	9.7146	0.95065	0.21054	0.37864	0.47800
147	9.7605	0.95602	0.21173	0.38080	0.52200
157	9.8144	0.96042	0.21271	0.38255	0.56300
157	9.8573	0.96491	0.21363	0.38431	0.60500

~~ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP~~

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAY
-157	9.8144	0.96042	0.21271	0.38255	-1.0000
-157	9.8573	0.96491	0.21363	0.38431	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAY
167	10.333	1.0112	0.22706	0.40279	0.75300
177	10.319	1.00044	0.21714	0.39053	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI / PO	PI / PTF	PI / PTP	X / DMAY
187	9.5908	0.83944	0.18786	0.32280	0.79300
197	9.7264	0.85304	0.19013	0.34014	0.84400

SECTION 5 , MEASURED THRUST PARAMETERS

RUN 33

MASS-FLOW PRELIMINARY DATA 04/14/79 CANNETT REF 11/31/79 OF:22:33.741 F&E 98481 PGP 0074 PPG 1863

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVG WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/UMAX
77	0.5212	0.04167	0.04747	0.47830	0.47400
77	0.0497	0.04484	0.07566	0.49110	0.53300
47	0.0876	0.06820	0.07664	0.45285	0.63100
52	10.373	1.0162	0.00000	0.51721	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVG WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/UMAX
67	6.7645	0.66271	0.18924	0.07730	0.42200
67	11.371	1.0046	0.00000	0.55203	0.65200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER R.O.

AVG WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/UMAX
77	20.905	0.0118	0.00004	1.4413	0.56400
82	16.966	1.6621	0.47488	0.04598	0.63500
32	10.353	1.0147	0.00001	0.51646	0.69200

ADDITIONAL PRESSURE RATIOS, SECTION CHARGE

AVG WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/UMAX
-107	0.0537	0.06700	0.06773	0.44132	-1.0000
-117	0.1112	0.00251	0.05490	0.45426	-1.0000
-127	0.4366	0.00136	0.06323	0.46896	-1.0000
-137	0.6841	0.06877	0.07040	0.48188	-1.0000
-147	0.6960	0.06973	0.07105	0.48287	-1.0000
-147	0.7490	0.06508	0.07287	0.48611	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVG WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/UMAX
107	0.0507	0.06700	0.06773	0.44132	0.31900
117	0.1102	0.00251	0.05490	0.45426	0.34000
127	0.4044	0.00136	0.06323	0.46896	0.38600
127	0.6841	0.06877	0.07040	0.48188	0.43200
137	0.6840	0.06873	0.07105	0.48287	0.47800
147	0.7485	0.06508	0.07287	0.48611	0.52200
157	0.0088	0.06905	0.07454	0.49909	0.56300
157	0.0537	0.06535	0.07580	0.49133	0.60500

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVG WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/UMAX
-157	0.0388	0.06700	0.06773	0.44000	-1.0000
-157	0.0537	0.06535	0.07580	0.49133	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/UMAX
167	10.353	1.0142	0.00000	0.51621	0.79300
177	10.043	0.00000	0.00000	0.50000	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVG WOOD	PI	PI/PD	PI/PTE	PI/PTP	X/UMAX
187	0.5992	0.06062	0.00000	0.47865	0.79300
187	0.7650	0.05978	0.06535	0.43700	0.84400

NOTED: 5. MEASURED THROU PARAMETERS

ORIGINAL PAGE IS
OF POOR QUALITY

Run 35

NASA-LEWIS PRELIMINARY DATA CANOE-II FACILITY WPAVI PROGRAM C034 P005 1966 TO 1977
TIME AND DATE PROCESSED 21:06:26 JUN 15 1979

NOZZLE TYPE P-W EJECTOR NOZZLE (MODEL A)
FLIGHT CONDITIONS TAKEOFF
NOZZLE CONFIGURATION 433
PRIMARY-NOZZLE PLUG SPLIT PLUG (PREPARED)
FLOW SPLITTER CONICAL SPLITTER
FAN NOZZLE IPIS
FLANGSHELL POSITION 13 DEG
EJECTOR IMPLY OPENING MIDWAY

NO	W	PTF/PTD	PTF/PO	PTF/PO	OMEGA	PTF/PTF	CDF	CDF	CFI	ETA1	ETA1.INT	CFP1	CFP2	CF
1966	2.017	1.68	1.92	1.08	0.000	0.452	0.945	0.982	0.9663	0.9663	0.9663	0.9663	0.9676	0.9676
1965	2.023	1.67	2.09	1.26	0.000	0.479	0.948	1.015	0.9674	0.9674	0.9674	0.9674	0.9674	0.9674
1964	2.033	1.66	2.49	1.50	0.000	0.493	0.955	1.030	0.9622	0.9622	0.9622	0.9622	0.9622	0.9622
1963	2.052	1.68	3.09	1.84	0.000	0.323	0.954	0.989	0.9446	0.9446	0.9446	0.9446	0.9446	0.9446
1962	2.055	1.69	3.40	2.13	0.000	0.270	0.954	0.980	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400
1961	2.059	1.69	3.94	2.34	0.000	0.255	0.952	0.988	0.9346	0.9346	0.9346	0.9346	0.9346	0.9346
1973	2.055	1.69	3.95	2.35	0.000	0.253	0.954	0.988	0.9346	0.9346	0.9346	0.9346	0.9346	0.9346
1971	2.054	1.70	3.61	2.12	0.000	0.278	0.954	0.988	0.9405	0.9405	0.9405	0.9405	0.9405	0.9405
1972	2.051	1.70	3.13	1.84	0.000	0.321	0.953	0.986	0.9442	0.9442	0.9442	0.9442	0.9442	0.9442
1973	2.049	1.69	2.50	1.48	0.000	0.401	0.948	1.035	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584
1974	2.037	1.69	2.10	1.25	0.000	0.474	0.949	1.018	0.9684	0.9684	0.9684	0.9684	0.9684	0.9684
1975	2.029	1.70	1.81	1.07	0.000	0.556	0.946	1.024	0.9672	0.9672	0.9672	0.9672	0.9672	0.9672
1974	2.010	1.69	1.80	1.07	0.000	0.557	0.946	0.999	0.9641	0.9641	0.9641	0.9641	0.9641	0.9641
1977	2.033	1.69	2.10	1.25	0.000	0.479	0.949	1.025	0.9673	0.9673	0.9673	0.9673	0.9673	0.9673
1978	2.043	1.69	2.76	1.64	0.000	0.364	0.951	1.000	0.9492	0.9492	0.9492	0.9492	0.9492	0.9492
1979	2.042	1.69	2.75	1.63	0.000	0.365	0.951	1.003	0.9505	0.9505	0.9505	0.9505	0.9505	0.9505
1980	2.031	1.45	1.80	1.24	0.000	0.556	0.944	1.010	0.9709	0.9709	0.9709	0.9709	0.9709	0.9709
1981	2.037	1.45	1.81	1.25	0.000	0.557	0.945	1.007	0.9703	0.9703	0.9703	0.9703	0.9703	0.9703
1982	2.037	1.44	2.11	1.46	0.000	0.477	0.949	1.041	0.9663	0.9663	0.9663	0.9663	0.9663	0.9663
1983	2.039	1.45	2.50	1.73	0.000	0.402	0.950	0.991	0.9558	0.9558	0.9558	0.9558	0.9558	0.9558
1984	2.057	1.46	2.74	1.88	0.000	0.366	0.950	0.988	0.9502	0.9502	0.9502	0.9502	0.9502	0.9502
1985	2.039	1.47	3.09	2.10	0.000	0.324	0.952	0.987	0.9492	0.9492	0.9492	0.9492	0.9492	0.9492
1986	2.054	1.45	3.60	2.48	0.000	0.270	0.955	0.990	0.9447	0.9447	0.9447	0.9447	0.9447	0.9447
1987	2.056	1.45	3.91	2.69	0.000	0.257	0.953	0.988	0.9408	0.9408	0.9408	0.9408	0.9408	0.9408
1988	2.067	1.46	3.92	2.69	0.000	0.257	0.953	0.997	0.9395	0.9395	0.9395	0.9395	0.9395	0.9395
1989	2.057	1.45	3.60	2.49	0.000	0.270	0.949	0.982	0.9453	0.9453	0.9453	0.9453	0.9453	0.9453
1990	2.055	1.47	3.10	2.11	0.000	0.324	0.954	0.986	0.9487	0.9487	0.9487	0.9487	0.9487	0.9487
1991	2.052	1.46	2.74	1.88	0.000	0.367	0.953	0.985	0.9507	0.9507	0.9507	0.9507	0.9507	0.9507
1992	2.052	1.44	2.50	1.73	0.000	0.402	0.951	0.990	0.9572	0.9572	0.9572	0.9572	0.9572	0.9572
1993	2.044	1.43	2.10	1.47	0.000	0.477	0.949	1.038	0.9685	0.9685	0.9685	0.9685	0.9685	0.9685
1994	2.015	1.46	1.81	1.24	0.000	0.554	0.945	1.005	0.9727	0.9727	0.9727	0.9727	0.9727	0.9727
1995	2.029	1.46	1.81	1.24	0.000	0.556	0.945	1.005	0.9715	0.9715	0.9715	0.9715	0.9715	0.9715
1996	2.055	1.45	3.60	2.49	0.000	0.270	0.952	0.987	0.9423	0.9423	0.9423	0.9423	0.9423	0.9423
1997	2.065	1.45	3.87	2.69	0.000	0.257	0.949	0.986	0.9359	0.9359	0.9359	0.9359	0.9359	0.9359
1998	2.059	1.49	2.10	1.25	0.000	0.480	0.949	0.943	0.9523	0.9523	0.9523	0.9523	0.9523	0.9523
1999	2.057	1.49	2.50	1.49	0.000	0.403	0.951	1.030	0.9559	0.9559	0.9559	0.9559	0.9559	0.9559
2000	2.067	1.49	2.76	1.63	0.000	0.366	0.950	1.001	0.9411	0.9411	0.9411	0.9411	0.9411	0.9411
2001	2.059	1.48	3.10	1.94	0.000	0.325	0.955	0.985	0.9399	0.9399	0.9399	0.9399	0.9399	0.9399

NASA-LEWIS PRELIMINARY DATA CANOE-II FACILITY RACEI
TIME AND DATE PROCESSED 21:06:26 JUN 15 1979

PROGRAM C034 P065 1964 TO 1977

Run 36 CONT.

NOZZLE TYPE P-W EJECTOR NOZZLE (MODEL A)
FLIGHT CONDITIONS TAKEOFF
NOZZLE CONFIGURATION A33
PRIMARY-NOZZLE PLUG SPLIT PLUG (RETRACTED)
FLOW SPLITTER CONICAL SPLITTER
FAN NOZZLE IPIS
CLAMHELL POSITION 13 DEG
EJECTOR INLET OPENING MIDWAY

ROC	NO	PTF/PTD	PTF/PO	PTP/PO	OMEGA	PTS/PTF	CDF	CDP	CF1	ETAI	ETAI,INV	CFP1	CFP2	EQ
1902	0.361	1.69	3.61	2.14	0.000	0.278	0.955	0.987	0.9362	0.9362	0.9368	0.9368	0.9392	0.0000
1903	0.361	1.70	3.76	2.20	0.000	0.268	0.952	0.980	0.9368	0.9368	0.9375	0.9375	0.9397	0.0000
1904	0.361	1.70	3.75	2.21	0.000	0.260	0.954	0.987	0.9373	0.9373	0.9379	0.9379	0.9401	0.0000
1905	0.360	1.69	3.60	2.13	0.000	0.279	0.954	0.987	0.9387	0.9387	0.9393	0.9393	0.9417	0.0000
1906	0.358	1.70	3.11	1.83	0.000	0.321	0.951	0.988	0.9377	0.9377	0.9385	0.9385	0.9414	0.0000
1907	0.358	1.69	2.76	1.64	0.000	0.365	0.952	1.000	0.9403	0.9403	0.9412	0.9412	0.9445	0.0000
1908	0.357	1.69	2.51	1.49	0.000	0.401	0.951	1.033	0.9530	0.9530	0.9542	0.9542	0.9576	0.0000
1909	0.356	1.68	2.10	1.25	0.000	0.478	0.950	0.945	0.9478	0.9478	0.9484	0.9484	0.9521	0.0000
1910	0.358	1.71	1.82	1.07	0.000	0.553	0.947	0.821	0.9331	0.9331	0.9354	0.9354	0.9364	0.0000
1911	0.358	1.69	2.50	1.48	0.000	0.402	0.951	1.035	0.9560	0.9560	0.9571	0.9571	0.9605	0.0000
1912	0.357	1.68	2.10	1.25	0.000	0.477	0.948	0.944	0.9519	0.9519	0.9535	0.9535	0.9562	0.0000
1913	0.357	1.65	1.82	1.25	0.000	0.555	0.948	0.941	0.9538	0.9538	0.9557	0.9557	0.9591	0.0000
1914	0.358	1.66	2.12	1.47	0.000	0.472	0.945	1.029	0.9572	0.9572	0.9586	0.9586	0.9627	0.0000
1915	0.357	1.65	2.53	1.72	0.000	0.403	0.951	0.991	0.9477	0.9477	0.9487	0.9487	0.9524	0.0000
1916	0.360	1.67	2.75	1.87	0.000	0.366	0.951	0.990	0.9449	0.9449	0.9458	0.9458	0.9491	0.0000
1917	0.358	1.67	3.12	2.12	0.000	0.323	0.952	0.987	0.9440	0.9440	0.9447	0.9447	0.9474	0.0000
1918	0.360	1.66	3.61	2.51	0.000	0.279	0.956	0.982	0.9418	0.9418	0.9425	0.9425	0.9447	0.0000
1919	0.363	1.65	3.71	2.57	0.000	0.271	0.961	0.988	0.9429	0.9429	0.9435	0.9435	0.9457	0.0000
1920	0.357	1.65	3.75	2.58	0.000	0.260	0.954	0.983	0.9419	0.9419	0.9425	0.9425	0.9447	0.0000
1921	0.360	1.65	3.61	2.49	0.000	0.279	0.952	0.984	0.9425	0.9425	0.9431	0.9431	0.9454	0.0000
1922	0.359	1.67	3.10	2.10	0.000	0.325	0.950	0.987	0.9443	0.9443	0.9450	0.9450	0.9478	0.0000
1923	0.356	1.67	2.76	1.88	0.000	0.365	0.952	0.985	0.9409	0.9409	0.9418	0.9418	0.9451	0.0000
1924	0.363	1.66	2.50	1.72	0.000	0.401	0.950	0.982	0.9469	0.9469	0.9480	0.9480	0.9517	0.0000
1925	0.358	1.66	2.12	1.47	0.000	0.476	0.948	1.024	0.9532	0.9532	0.9546	0.9546	0.9587	0.0000
1926	0.359	1.66	1.80	1.24	0.000	0.550	0.940	0.941	0.9523	0.9523	0.9543	0.9543	0.9575	0.0000
1927	0.360	1.65	1.80	1.24	0.000	0.561	0.950	0.938	0.9500	0.9500	0.9521	0.9521	0.9553	0.0000

NASA-LEWIS PRELIMINARY DATA 06/15/79 CANNETT REF 11/02/79 00:03:49.503

FAR 09AV1

PCN 0034

Run 35
R06 1804

>ADDITIONAL PRESSURE RATIOS , PRIMARY MISC

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	14.530	1.0039	0.55259	0.93014	0.43300
37	14.650	1.0122	0.55715	0.93781	0.53300
67	14.710	1.0163	0.55943	0.94164	0.63100
52	14.470	0.99977	0.55021	0.92431	0.72000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
57	14.341	0.99218	0.54614	0.91928	0.42200
67	14.324	0.99977	0.54481	0.91704	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	14.186	0.98011	0.52949	0.90809	0.56400
92	12.683	0.87629	0.48235	0.81190	0.62500
92	14.435	0.99736	0.54808	0.92407	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.401	0.99494	0.54766	0.92183	-1.0000
-112	14.396	0.99460	0.54767	0.92151	-1.0000
-122	14.391	0.99425	0.54728	0.92119	-1.0000
-127	14.391	0.99425	0.54728	0.92119	-1.0000
-137	14.361	0.99218	0.54614	0.91928	-1.0000
-142	14.450	0.99839	0.54955	0.92503	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.401	0.99494	0.54766	0.92183	0.31900
112	14.396	0.99460	0.54767	0.92151	0.34000
122	14.391	0.99425	0.54728	0.92119	0.38600
127	14.391	0.99425	0.54728	0.92119	0.43400
137	14.361	0.99218	0.54614	0.91928	0.46100
142	14.450	0.99839	0.54955	0.92503	1.0000
152	14.450	0.99839	0.54955	0.92503	1.0000
157	14.450	0.99839	0.54955	0.92503	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.450	0.99839	0.54955	0.92503	-1.0000
-157	14.450	0.99839	0.54955	0.92503	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHOWN LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.411	0.99563	0.54803	0.92247	0.79300
172	13.702	0.94666	0.52108	0.87709	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHOWN LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.881	0.95907	0.52791	0.88860	0.79300
187	13.777	0.95102	0.52792	0.88180	0.84400

RUN35

NASA-LEWIS PRELIMINARY DATE 10/15/70 CADDET REC 11/02/79 00:05:00.901 FAC MAX1 PC# C034 PNC 1065

ADDITIONAL PRESSURE RATIOS , PRIMARY PLING

AVD WORD	PL	PL/PD	PL/PTF	PL/PTD	X/DMAX
32	14.579	1.3076	0.49116	0.80145	0.43300
37	15.177	1.0439	0.49846	0.83026	0.53300
47	15.358	1.0622	0.50719	0.84481	0.63100
52	14.669	1.0130	0.49613	0.80639	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTD	X/DMAX
62	13.910	0.96139	0.45908	0.76467	0.62200
67	14.324	0.99003	0.47276	0.78745	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTD	X/DMAX
77	15.403	1.0646	0.50835	0.84673	0.56400
82	13.141	0.90874	0.47770	0.72240	0.63500
92	14.434	0.99762	0.47638	0.79349	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTD	X/DMAX
-107	14.394	0.99486	0.47506	0.79129	-1.0000
-117	14.384	0.99417	0.47473	0.79074	-1.0000
-127	14.384	0.99417	0.47473	0.79074	-1.0000
-127	14.394	0.99417	0.47473	0.79074	-1.0000
-137	14.349	0.99176	0.47358	0.78887	-1.0000
-152	14.449	0.99865	0.47687	0.79431	-1.0000

ADDITIONAL PRESSURE RATIOS , ENGINE INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTD	X/DMAX
107	14.394	0.99486	0.47506	0.79129	0.31900
117	14.384	0.99417	0.47473	0.79074	0.34000
122	14.384	0.99417	0.47473	0.79074	0.38600
127	14.394	0.99417	0.47473	0.79074	0.43400
137	14.349	0.99176	0.47358	0.78887	0.46100
-142	14.449	0.99865	0.47687	0.79431	1.0000
-152	14.449	0.99865	0.47687	0.79431	1.0000
-157	14.449	0.99865	0.47687	0.79431	1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTD	X/DMAX
-157	14.444	0.99831	0.47671	0.79404	-1.0000
-157	14.444	0.99831	0.47671	0.79404	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTD	X/DMAX
167	14.414	0.99624	0.47572	0.79239	0.79300
177	13.735	0.94921	0.45221	0.75506	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTD	X/DMAX
187	13.995	0.96035	0.45858	0.76384	0.79200
197	13.723	0.95311	0.45512	0.75808	0.84400

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PUN35

NPS1-1FMS PRELIMINARY DATA 06/15/79 CAMPBELL REC 11/02/79 00:37:22.149 FAS 00001 PCM 0034 PNC 1047

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	11.435	0.79154	0.75579	0.42995	0.43300
27	6.3761	0.43791	0.14151	0.23786	0.53300
47	10.921	0.75599	0.24429	0.41062	0.62100
52	13.737	0.95088	0.20727	0.41648	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
42	9.0986	0.61599	0.19905	0.33458	0.42200
47	14.291	0.94331	0.31766	0.53393	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	11.420	0.79054	0.25546	0.42929	0.56400
82	10.472	0.72487	0.23424	0.39372	0.63500
92	14.375	0.99510	0.32156	0.54050	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR CURBOUT

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-117	14.336	0.99027	0.32000	0.53787	-1.0000
-112	14.301	0.98992	0.31989	0.53769	-1.0000
-122	14.306	0.99027	0.32000	0.53787	-1.0000
-127	14.321	0.99130	0.32033	0.53844	-1.0000
-137	14.286	0.98889	0.31955	0.53712	-1.0000
-142	14.400	0.99683	0.32217	0.54144	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.306	0.99027	0.32000	0.53787	0.31900
112	14.301	0.98992	0.31989	0.53769	0.34000
122	14.306	0.99027	0.32000	0.53787	0.38600
127	14.321	0.99130	0.32033	0.53844	0.43400
137	14.286	0.98889	0.31955	0.53712	0.46100
-142	14.400	0.99683	0.32217	0.54144	1.0000
-152	14.395	0.99660	0.32201	0.54125	-1.0000
-157	14.400	0.99683	0.32217	0.54144	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN MOTOR 1000

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	14.395	0.99660	0.32201	0.54125	-1.0000
-157	14.400	0.99683	0.32217	0.54144	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHIMM LOCATION

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.350	0.99338	0.32100	0.53956	0.79300
172	12.878	0.89145	0.28807	0.48420	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHIMM LOCATION

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
187	13.692	0.84708	0.20604	0.51441	0.79300
197	13.657	0.83152	0.20100	0.50600	0.84400

RUN 35

VASA-LEWIS PRELIMINARY DATA 06/15/70 CANNON REF 11/02/79 00:09:26.699 FAR MAX1 PGM C034 ARC 1468

ADDITIONAL PRESSURE RATIOS , PRIMARY MING

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
27	13.210	0.91466	0.25416	0.43032	0.43300
37	7.3472	0.50936	0.14126	0.23017	0.53300
47	12.671	0.87733	0.24379	0.41275	0.63100
52	14.714	0.98614	0.27347	0.46301	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
62	10.219	0.77757	0.19662	0.33299	0.42200
57	14.174	0.99117	0.27270	0.46170	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	13.201	0.91397	0.25797	0.47999	0.56400
87	7.8518	0.54964	0.15104	0.25577	0.63500
92	14.369	0.99485	0.27644	0.46805	0.69200

~~ADDITIONAL PRESSURE RATIOS , EXISTING SHIMM~~

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	14.789	0.99932	0.27491	0.46545	-1.0000
-112	14.284	0.99898	0.27481	0.46528	-1.0000
-122	14.294	0.99877	0.27500	0.46561	-1.0000
-127	14.309	0.99871	0.27529	0.46610	-1.0000
-137	14.294	0.99898	0.27481	0.46528	-1.0000
-142	14.394	0.99658	0.27697	0.46886	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.789	0.99932	0.27491	0.46545	0.31900
112	14.284	0.99898	0.27481	0.46528	0.34000
122	14.294	0.99877	0.27500	0.46561	0.38500
127	14.309	0.99871	0.27529	0.46610	0.43400
137	14.294	0.99898	0.27481	0.46528	0.46100
142	14.394	0.99658	0.27697	0.46886	1.0000
152	14.404	0.99727	0.27712	0.46919	1.0000
157	14.434	0.99757	0.27712	0.46919	-1.0000

~~ADDITIONAL PRESSURE RATIOS , NO DEG SHIMM LOCATION~~

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-152	14.404	0.99727	0.27712	0.46919	-1.0000
-157	14.434	0.99757	0.27712	0.46919	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHIMM LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
167	14.329	0.99209	0.27568	0.46675	0.79200
172	12.506	0.87214	0.24235	0.41031	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHIMM LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
182	13.735	0.95006	0.26425	0.44730	0.70300
187	12.476	0.87308	0.25025	0.43804	0.84400

354

RUN35

NASA-LFV15 PRELIMINARY DATA 06/15/79 CANNETT PFC 11/02/79 00:10:46.147 FAC EXH1 PCP C034 PPG 1869

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	14.491	1.0035	0.25441	0.42922	0.43300
37	8.0479	0.55779	0.14139	0.23854	0.53300
47	9.8016	0.67922	0.17220	0.29051	0.63100
52	14.371	0.99590	0.25249	0.42596	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	11.220	0.77753	0.19712	0.33256	0.42200
67	14.157	0.99192	0.24970	0.41960	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	14.396	0.99693	0.25274	0.42640	0.56400
82	7.6432	0.52965	0.13478	0.22654	0.63500
92	14.396	0.99555	0.25239	0.42581	0.69200

ADDITIONAL PRESSURE RATIOS , EXHAUST SHROUD

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.281	0.99967	0.25090	0.42330	-1.0000
-112	14.276	0.99932	0.25081	0.42315	-1.0000
-122	14.291	0.99967	0.25090	0.42330	-1.0000
-127	14.301	0.99105	0.25125	0.42389	-1.0000
-137	14.271	0.99897	0.25072	0.42300	-1.0000
-142	14.396	0.99762	0.25292	0.42670	-1.0000

ADDITIONAL PRESSURE RATIOS , ENGINE INLET

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.281	0.99967	0.25090	0.42330	0.31900
112	14.276	0.99932	0.25081	0.42315	0.34000
122	14.291	0.99967	0.25090	0.42330	0.39600
127	14.301	0.99105	0.25125	0.42389	0.43400
137	14.271	0.99897	0.25072	0.42300	0.46100
142	14.396	0.99762	0.25292	0.42670	1.0000
147	14.396	0.99762	0.25292	0.42670	1.0000
157	14.491	0.99590	0.25249	0.42596	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN SUPPLY STEP

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.396	0.99762	0.25292	0.42670	-1.0000
-157	14.491	0.99590	0.25249	0.42596	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.321	0.99263	0.25160	0.42442	0.79300
172	17.594	0.87270	0.22125	0.37327	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.977	0.96164	0.24379	0.41131	0.79300
187	13.597	0.86774	0.22099	0.36307	0.84400

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355

RUN35

VASA-IFMIS PRELIMINARY DATA 06/15/79 CANNFII REC 11/02/79 00:11:00.413 FAN MAX1 PCM C034 PDC 1878

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVG WOPN	PI	PI/PN	PI/PTF	PI/PTP	K/DMAX
32	14.540	1.0075	0.25486	0.42956	0.43300
37	8.7875	0.56906	0.14167	0.23878	0.53300
47	9.4060	0.67949	0.17188	0.28970	0.63100
52	14.375	1.00600	0.25198	0.42469	0.72500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVG WOPN	PI	PI/PN	PI/PTF	PI/PTP	K/DMAX
42	11.274	0.78123	0.19762	0.33308	1.42200
47	14.141	0.97983	0.24786	0.41777	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVG WOPN	PI	PI/PN	PI/PTF	PI/PTP	K/DMAX
77	14.455	1.0016	0.25338	0.42705	0.56400
87	7.6978	0.53360	0.13493	0.22742	0.63500
92	14.360	0.99506	0.25171	0.42425	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR SURGE

AVG WOPN	PI	PI/PN	PI/PTF	PI/PTP	K/DMAX
-137	14.275	0.98917	0.25022	0.42174	-1.0000
-117	14.275	0.98917	0.25022	0.42174	-1.0000
-127	14.275	0.98917	0.25022	0.42174	-1.0000
-127	14.295	0.99056	0.25057	0.42233	-1.0000
-137	14.275	0.98917	0.25014	0.42159	-1.0000
-147	14.395	0.99748	0.25233	0.42528	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER IMCT

AVG WOPN	PI	PI/PN	PI/PTF	PI/PTP	K/DMAX
107	14.275	0.98917	0.25022	0.42174	0.31900
117	14.275	0.98917	0.25022	0.42174	0.34000
127	14.275	0.98917	0.25022	0.42174	0.38600
127	14.295	0.99056	0.25057	0.42233	0.43400
137	14.275	0.98917	0.25014	0.42159	0.46100
147	14.395	0.99748	0.25233	0.42528	1.0000
157	14.395	0.99748	0.25233	0.42528	1.0000
167	14.395	0.99748	0.25233	0.42528	1.0000

ADDITIONAL PRESSURE RATIOS , FAN WOPN PUMP

AVG WOPN	PI	PI/PN	PI/PTF	PI/PTP	K/DMAX
-157	14.395	0.99748	0.25233	0.42528	-1.0000
-167	14.395	0.99748	0.25233	0.42528	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SURGE LOCATION

AVG WOPN	PI	PI/PN	PI/PTF	PI/PTP	K/DMAX
167	14.375	0.99220	0.25101	0.42307	0.79300
177	12.578	0.87154	0.22067	0.37159	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SURGE LOCATION

AVG WOPN	PI	PI/PN	PI/PTF	PI/PTP	K/DMAX
187	13.894	0.96288	0.24257	0.41053	0.79300
197	12.471	0.86705	0.22074	0.37222	0.84400

RUN35

NASA-LEWIS PRELIMINARY DATA 76/15/79 CANNETT REC 11/02/79 00:12:05.164 FAC RW41 PGM F934 DBC 1071

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
32	13.182	0.91312	0.25286	0.41307	0.43300
37	7.1678	0.50900	0.14095	0.23073	0.53300
47	12.697	0.87957	0.24357	0.41427	0.63100
52	14.220	0.94506	0.27278	0.46395	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
62	10.240	0.70937	0.19645	0.33410	0.42200
67	14.195	0.97711	0.27058	0.46020	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	13.302	0.92142	0.25516	0.43398	0.54400
92	7.6626	0.53080	0.14699	0.25090	0.63500
92	14.370	0.94544	0.27565	0.46884	0.69200

ADDITIONAL PRESSURE RATIOS , EXPECTED SHOCK

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	14.295	0.99025	0.27623	0.46639	-1.0000
-112	14.285	0.98956	0.27403	0.46607	-1.0000
-122	14.300	0.99059	0.27431	0.46656	-1.0000
-127	14.315	0.99163	0.27460	0.46705	-1.0000
-137	14.290	0.98921	0.27393	0.46591	-1.0000
-142	14.400	0.99751	0.27623	0.46982	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.295	0.99025	0.27422	0.46639	0.31400
112	14.285	0.98956	0.27403	0.46607	0.34000
122	14.300	0.99059	0.27431	0.46656	0.38600
127	14.315	0.99163	0.27460	0.46705	0.43400
137	14.290	0.98921	0.27393	0.46591	0.46100
-107	14.295	0.99025	0.27422	0.46639	-1.0000
-112	14.285	0.98956	0.27403	0.46607	-1.0000
-122	14.300	0.99059	0.27431	0.46656	-1.0000
-127	14.315	0.99163	0.27460	0.46705	-1.0000
-137	14.290	0.98921	0.27393	0.46591	-1.0000

ADDITIONAL PRESSURE RATIOS , PER NOZZLE TEST

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-157	14.400	0.99751	0.27623	0.46982	-1.0000
-157	14.400	0.99751	0.27623	0.46982	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOCK LOCATION

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
167	14.370	0.94544	0.27565	0.46884	0.79300
172	12.568	0.94919	0.24069	0.40938	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHOCK LOCATION

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
182	12.741	0.95186	0.26759	0.44831	0.79300
187	12.474	0.93357	0.25951	0.43068	0.84400

RUN35

NASA-LEWIS PRELIMINARY DATA 06/15/70 CENDEF1 REF 11/02/79 00:14:03.076 PAC HXAN1 PCP C034 PRC 1872

ADDITIONAL PRESSURE RATIOS , PRIMARY INLET

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
32	11.432	0.70162	0.25300	0.42909	0.43300
37	8.7773	0.44161	0.14119	0.23037	0.53300
47	11.077	0.76361	0.24414	0.41391	0.63190
52	13.778	0.95410	0.30504	0.51716	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
62	8.9000	0.61630	0.19704	0.33406	0.42200
67	14.058	0.97345	0.31123	0.52764	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
77	11.632	0.80544	0.25751	0.43659	0.56400
82	0.9438	0.48857	0.22015	0.37324	0.63500
92	14.777	0.99558	0.31830	0.53965	0.69200

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
-107	14.312	0.99108	0.31682	0.53721	-1.0000
-112	14.307	0.99074	0.31675	0.53703	-1.0000
-122	14.307	0.99074	0.31675	0.53703	-1.0000
-127	14.322	0.99177	0.31709	0.53759	-1.0000
-137	14.297	0.99004	0.31653	0.53665	-1.0000
-142	14.402	0.99730	0.31885	0.54059	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
107	14.312	0.99108	0.31682	0.53721	0.31900
112	14.307	0.99074	0.31675	0.53703	0.34000
122	14.307	0.99074	0.31675	0.53703	0.38400
127	14.322	0.99177	0.31709	0.53759	0.43400
137	14.297	0.99004	0.31653	0.53665	0.46100
-107	14.312	0.99108	0.31682	0.53721	-1.0000
-112	14.307	0.99074	0.31675	0.53703	-1.0000
-122	14.307	0.99074	0.31675	0.53703	-1.0000

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
-152	14.397	0.99646	0.31874	0.54040	-1.0000
-157	14.402	0.99730	0.31885	0.54059	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
167	14.327	0.99212	0.31729	0.53777	0.79300
177	12.810	0.88703	0.28260	0.48081	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DHAX
187	13.663	0.94615	0.30750	0.51284	0.79300
197	12.670	0.87000	0.28720	0.48605	0.84400

RUN35

VASA-1 FWH PRELIMINARY DATA 06/15/79 CAMDITE REF 11/02/79 00:15:04.462 FAR HX641 PC# C934 PRC 1073

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
72	9.6049	0.66458	0.26566	0.44865	0.43300
77	14.449	0.89966	0.39661	0.67486	0.53300
67	15.416	1.0867	0.42625	0.72009	0.63100
52	14.787	1.0231	0.47090	0.69071	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
52	7.2274	0.50007	0.19093	0.33759	0.42200
67	14.918	0.96996	0.38773	0.65481	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	11.707	0.81003	0.32290	0.54686	0.56400
P2	12.975	0.89777	0.35880	0.60407	0.63500
92	14.399	0.9621	0.39823	0.67253	0.69200

~~ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD~~

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.333	0.99172	0.39643	0.66950	-1.0000
-112	14.333	0.99172	0.39643	0.66950	-1.0000
-127	14.333	0.99172	0.39643	0.66950	-1.0000
-127	14.333	0.99206	0.39647	0.66973	-1.0000
-137	14.333	0.99966	0.39560	0.66910	-1.0000
-167	14.413	0.99725	0.39866	0.67323	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.333	0.99172	0.39643	0.66950	0.31900
112	14.333	0.99172	0.39643	0.66950	0.34000
127	14.333	0.99172	0.39643	0.66950	0.38600
127	14.333	0.99206	0.39647	0.66973	0.43600
137	14.333	0.99966	0.39560	0.66910	0.46100
-107	14.413	0.99725	0.39866	0.67323	-1.0000
-112	14.413	0.99725	0.39866	0.67323	-1.0000
-127	14.413	0.99725	0.39866	0.67323	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP~~

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-157	14.413	0.99725	0.39866	0.67323	-1.0000
-167	14.413	0.99725	0.39866	0.67323	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.759	0.99345	0.39717	0.67066	0.79300
172	13.734	0.95927	0.37586	0.64152	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	13.960	0.95822	0.38306	0.64688	0.79700
107	13.960	0.95822	0.38306	0.64688	0.84600

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RUN35

NASA-Lewis PRELIMINARY DATA 06/15/79 CADDILLAC REF 11/02/79 00:16:24.124 FAC RYAT1 PCM C036 PRC 1874

ADDITIONAL PRESSURE RATIOS , PRIMARY MING

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	14.571	1.0270	0.47844	0.82462	0.43700
37	15.380	1.0527	0.49516	0.83274	0.53303
47	15.350	1.0608	0.57401	0.84763	0.63100
57	14.656	1.0129	0.48123	0.80931	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	13.927	0.96250	0.45729	0.76906	0.42200
67	14.047	0.97078	0.46123	0.77568	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER E.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	15.200	1.0505	0.49909	0.83936	0.56400
82	13.138	0.90728	0.43139	0.72550	0.63500
92	14.421	0.99666	0.47352	0.79635	0.69200

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER E.D.~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.381	0.99390	0.47221	0.79415	-1.0000
-112	14.376	0.99356	0.47205	0.79387	-1.0000
-122	14.376	0.99356	0.47205	0.79387	-1.0000
-127	14.376	0.99356	0.47205	0.79387	-1.0000
-137	14.136	0.99080	0.47072	0.79167	-1.0000
-152	14.436	0.99770	0.47401	0.79718	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.381	0.99390	0.47221	0.79415	0.31400
112	14.376	0.99356	0.47205	0.79387	0.34000
122	14.376	0.99356	0.47205	0.79387	0.38600
127	14.376	0.99356	0.47205	0.79387	0.43400
137	14.136	0.99080	0.47072	0.79167	0.46100
142	14.436	0.99770	0.47401	0.79718	1.0000
152	14.436	0.99770	0.47401	0.79718	1.0000
157	14.436	0.99770	0.47401	0.79718	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.~~

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.436	0.99770	0.47401	0.79718	-1.0000
-157	14.436	0.99770	0.47401	0.79718	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOWN LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.196	0.99494	0.47270	0.79498	0.79300
172	13.722	0.94936	0.45057	0.75776	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHOWN LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.982	0.95940	0.45582	0.76658	0.79300
187	13.722	0.95181	0.45221	0.76051	0.84400

RUN35

NASA-LEWIS PRELIMINARY DATA 06/15/70 CANNON REF 11/02/79 00:17:26.125 F4E 006X1 PG4 C334 R06 1875

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	14.470	0.99990	0.55761	0.93841	0.43200
37	14.545	1.0078	0.55820	0.94586	0.53200
47	14.633	1.0109	0.55972	0.94877	0.63100
52	14.660	0.99921	0.55723	0.93776	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
62	14.320	0.99955	0.54789	0.92869	0.42200
47	14.061	0.97161	0.53794	0.91185	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	14.166	0.97885	0.54195	0.91865	0.56400
82	12.907	0.88498	0.48998	0.83056	0.63500
92	14.635	0.79769	0.55227	0.93614	0.69200

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.395	0.99473	0.55074	0.93355	-1.0000
-112	14.399	0.99473	0.55074	0.93323	-1.0000
-122	14.395	0.99473	0.55074	0.93355	-1.0000
-127	14.395	0.99473	0.55074	0.93355	-1.0000
-137	14.340	0.99231	0.54940	0.93128	-1.0000
-142	14.445	0.99818	0.55265	0.93679	-1.0000

ADDITIONAL PRESSURE RATIOS, ENGINE INLET

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.395	0.99473	0.55074	0.93355	0.31900
112	14.399	0.99473	0.55074	0.93323	0.34000
122	14.395	0.99473	0.55074	0.93355	0.39600
127	14.395	0.99473	0.55074	0.93355	0.43400
137	14.340	0.99231	0.54940	0.93128	0.46100
142	14.445	0.99818	0.55265	0.93679	0.50000
147	14.445	0.99818	0.55265	0.93679	0.50000
152	14.445	0.99818	0.55265	0.93679	0.50000
157	14.445	0.99818	0.55265	0.93679	0.50000

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-152	14.450	0.99852	0.55288	0.93711	-1.0000
-157	14.445	0.99818	0.55265	0.93679	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOCK LOCATION

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.415	0.99611	0.55151	0.93685	0.79300
172	13.676	0.94503	0.52323	0.88691	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHOCK LOCATION

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
182	13.851	0.95711	0.52092	0.89825	0.79300
187	13.741	0.94957	0.52671	0.90112	0.84600

RUN35

NACA-LFWIS ORFELIMINARY DATA 04/15/79 CANNFIELD REC 11/02/79 20:18:27.760 SAC RT6X1 PCM C034 PDC 1876

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
37	14.450	0.99966	0.55333	0.93528	0.43300
37	14.555	1.0059	0.55734	0.94207	0.53300
47	14.615	1.0100	0.55964	0.94595	0.63100
52	14.445	0.99832	0.55714	0.93604	0.72500

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	14.300	0.99831	0.54760	0.92559	0.42200
67	14.351	0.99104	0.53804	0.90943	0.49200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	14.161	0.97865	0.54224	0.91654	0.56400
82	12.768	0.89739	0.48891	0.82639	0.63400
92	14.430	0.99728	0.55257	0.93399	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER S.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.395	0.99487	0.55123	0.93173	-1.0000
-117	14.380	0.99383	0.55065	0.93076	-1.0000
-127	14.385	0.99418	0.55085	0.93109	-1.0000
-127	14.385	0.99419	0.55085	0.93109	-1.0000
-137	14.350	0.99176	0.54551	0.92882	-1.0000
-147	14.447	0.99797	0.55295	0.93464	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.395	0.99487	0.55123	0.93173	0.31900
117	14.380	0.99383	0.55065	0.93076	0.34000
127	14.385	0.99418	0.55085	0.93109	0.38600
127	14.385	0.99419	0.55085	0.93109	0.43400
137	14.350	0.99176	0.54551	0.92882	0.46100
147	14.447	0.99797	0.55295	0.93464	1.0000
157	14.447	0.99797	0.55295	0.93464	1.0000
167	14.447	0.99797	0.55295	0.93464	1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-157	14.435	0.99763	0.55778	0.93431	-1.0000
-167	14.440	0.99797	0.55795	0.93464	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.495	0.99556	0.55161	0.93738	0.79300
172	12.656	0.94781	0.52254	0.88291	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
187	12.936	0.95623	0.52982	0.89554	0.79300
197	12.731	0.94008	0.52580	0.88874	0.84400

RUN35

NACA-110WIS PRELIMINARY DATA 04/15/70 CEMOEF1 REC 11/02/75 00:23:32.402 FAC 05061 PG# 0936 000 1877

ADDITIONAL PRESSURE RATIOS , SUPPLY PUMP

AVG WORD	PL	PL/PP	PL/PTF	PL/PTD	X/DMAX
32	14.573	1.0790	0.48113	0.80796	0.43300
37	15.067	1.0419	0.49729	0.83508	0.53300
47	15.327	1.0672	0.50601	0.84975	0.63100
57	14.643	1.0129	0.49343	0.81194	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WORD	PL	PL/PP	PL/PTF	PL/PTD	X/DMAX
62	13.929	0.96349	0.45987	0.77226	0.42200
67	14.074	0.97351	0.46465	0.79028	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WORD	PL	PL/PP	PL/PTF	PL/PTD	X/DMAX
77	15.412	1.0663	0.50981	0.85446	0.56400
82	13.050	0.90271	0.43086	0.72354	0.63500
92	14.478	0.99802	0.47635	0.79993	0.69200

AVG WORD	PL	PL/PP	PL/PTF	PL/PTD	X/DMAX
-107	14.393	0.99492	0.47486	0.79744	-1.0000
-112	14.378	0.99457	0.47473	0.79717	-1.0000
-127	14.373	0.99473	0.47453	0.79689	-1.0000
-127	14.373	0.99423	0.47453	0.79689	-1.0000
-137	14.363	0.99215	0.47355	0.79523	-1.0000
-147	14.439	0.99872	0.47668	0.80049	-1.0000

ADDITIONAL PRESSURE RATIOS , EXHAUST INLET

AVG WORD	PL	PL/PP	PL/PTF	PL/PTD	X/DMAX
107	14.393	0.99492	0.47486	0.79744	0.31900
112	14.378	0.99457	0.47473	0.79717	0.34000
127	14.373	0.99473	0.47453	0.79689	0.38600
127	14.373	0.99423	0.47453	0.79689	0.42400
137	14.363	0.99215	0.47355	0.79523	0.46170
147	14.439	0.99872	0.47668	0.80049	1.0000
157	14.439	0.99872	0.47668	0.80049	1.0000
167	14.439	0.99872	0.47668	0.80049	1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PL	PL/PP	PL/PTF	PL/PTD	X/DMAX
-152	14.439	0.99872	0.47668	0.80049	-1.0000
-162	14.439	0.99872	0.47668	0.80049	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PL	PL/PP	PL/PTF	PL/PTD	X/DMAX
167	14.413	0.99499	0.47585	0.79910	0.79300
177	14.774	0.94933	0.45311	0.76691	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVG WORD	PL	PL/PP	PL/PTF	PL/PTD	X/DMAX
182	13.894	0.94939	0.45378	0.76676	0.79300
192	13.710	0.95744	0.45450	0.76760	0.84400

RUN35

WASA-LEWIS PRELIMINARY DATA 06/15/70 GANDETT PFC 11/02/79 00:25:59.445 FAR 9X4V1 PGM C034 PRC 1878

ADDITIONAL PRESSURE RATIOS , PRIMARY MUG

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
32	17.150	0.71239	0.25499	0.42913	0.43300
37	17.212	0.84512	0.20673	0.51634	0.53300
47	17.527	0.86689	0.21460	0.52964	0.63100
52	16.285	0.99852	0.25874	0.60395	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
42	7.9467	0.54993	0.19557	0.23599	0.42200
47	14.310	0.96052	0.25185	0.59234	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
77	10.869	0.75216	0.27296	0.45954	0.56400
87	11.523	0.79743	0.28039	0.48720	0.63500
92	14.389	0.99578	0.26138	0.60839	0.69200

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
-107	14.330	0.99163	0.25987	0.60585	-1.0000
-112	14.330	0.99163	0.25987	0.60585	-1.0000
-122	14.330	0.99163	0.25987	0.60585	-1.0000
-127	14.335	0.99198	0.26000	0.60606	-1.0000
-137	14.335	0.99198	0.26000	0.60606	-1.0000
-147	14.409	0.99716	0.26188	0.60923	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD IMET

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
107	14.330	0.99163	0.25987	0.60585	0.31900
112	14.330	0.99163	0.25987	0.60585	0.34900
122	14.330	0.99163	0.25987	0.60585	0.38600
127	14.335	0.99198	0.26000	0.60606	0.43400
137	14.335	0.99198	0.26000	0.60606	0.46100
-107	14.409	0.99716	0.26188	0.60923	-1.0000
-112	14.414	0.99750	0.26200	0.60944	-1.0000
-127	14.414	0.99750	0.26200	0.60944	-1.0000

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
-157	14.439	0.99716	0.26188	0.60923	-1.0000
-167	14.414	0.99750	0.26200	0.60944	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
147	14.374	0.92474	0.26100	0.60775	0.79300
172	13.491	0.94110	0.26154	0.57503	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WORD	PI	PI / PD	PI / PTF	PI / PTP	X / DMAX
192	13.375	0.95535	0.26671	0.58369	0.79300
197	13.455	0.94490	0.26204	0.57774	0.84400

RUN35

NASA-Lewis PRELIMINARY DATA 06/15/79 CANNETT REC 11/02/79 00:27:31.790 FAC 8V6X1 PGM C034 POC 1079

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	10.177	0.69978	0.25464	0.43015	0.43300
37	12.248	0.96758	0.30860	0.52130	0.53300
47	12.563	0.86934	0.31653	0.53468	0.63190
52	14.290	0.98884	0.36004	0.60818	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	7.9145	0.54768	0.20941	0.33685	0.42200
47	13.960	0.96605	0.31174	0.59416	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	10.880	0.75293	0.27414	0.46309	0.56400
92	11.430	0.79093	0.28798	0.48645	0.63500
92	14.384	0.99549	0.36242	0.61222	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.375	0.99126	0.36002	0.60967	-1.0000
-112	14.315	0.99057	0.36066	0.60924	-1.0000
-122	14.320	0.99091	0.36079	0.60945	-1.0000
-127	14.320	0.99091	0.36079	0.60945	-1.0000
-137	14.295	0.98918	0.36016	0.60839	-1.0000
-142	14.404	0.99678	0.36293	0.61306	-1.0000

ADDITIONAL PRESSURE RATIOS , ENERGY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.325	0.99126	0.36002	0.60967	0.31900
112	14.315	0.99057	0.36066	0.60924	0.34000
122	14.320	0.99091	0.36079	0.60945	0.38600
127	14.320	0.99091	0.36079	0.60945	0.43400
137	14.295	0.98918	0.36016	0.60839	0.46100
-142	14.404	0.99678	0.36293	0.61306	-1.0000
-157	14.439	0.99713	0.36305	0.61328	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	14.404	0.99678	0.36293	0.61306	-1.0000
-157	14.439	0.99713	0.36305	0.61328	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.354	0.99402	0.36192	0.61137	0.79300
172	13.566	0.93876	0.34180	0.57728	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
187	13.910	0.95568	0.34796	0.58779	0.79300
197	13.441	0.92522	0.34612	0.58162	0.84400

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RUN35

PCN 1000

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REF 11/02/79 00:30:49.067

BASE-LEWIS PRELIMINARY DATA 06/15/79

>ADDITIONAL PRESSURE RATIOS, PRIMARY PLING

AVN WORN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
37	14.624	1.0110	0.56196	0.81480	0.42200
37	15.043	1.0424	0.57059	0.84047	0.53300
67	15.334	1.0593	0.58821	0.85299	0.63100
52	14.629	1.0114	0.56214	0.81517	0.72900

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVN WORN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
62	14.070	0.96928	0.53874	0.78124	0.42200
67	13.940	0.96052	0.53721	0.77902	0.49200

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER R.O.

AVN WORN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	14.299	0.98170	0.54564	0.79125	0.54400
82	12.992	0.89820	0.49973	0.72305	0.63500
92	14.425	0.99722	0.55427	0.80377	0.69200

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER S.M.

AVN WORN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	14.300	0.98481	0.55294	0.80182	-1.0000
-112	14.385	0.99446	0.55274	0.80154	-1.0000
-127	14.385	0.99566	0.55274	0.80154	-1.0000
-127	14.385	0.99446	0.55274	0.80154	-1.0000
-137	14.385	0.99274	0.55178	0.80015	-1.0000
-147	14.460	0.99826	0.55485	0.80460	-1.0000

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER T.M.

AVN WORN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.390	0.99481	0.55294	0.80182	0.31900
112	14.385	0.99446	0.55274	0.80154	0.34008
127	14.385	0.99446	0.55274	0.80154	0.34008
127	14.385	0.99446	0.55274	0.80154	0.43400
137	14.360	0.99274	0.55178	0.80015	0.46100
147	14.460	0.99826	0.55485	0.80460	0.50000
153	14.460	0.99826	0.55485	0.80460	0.50000

>ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER U.M.

AVN WORN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-147	14.460	0.99826	0.55485	0.80460	-1.0000
-157	14.435	0.99791	0.55466	0.80432	-1.0000

>ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVN WORN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
147	14.405	0.97584	0.55351	0.80266	0.70300
177	13.805	0.96065	0.53305	0.77429	0.84400

>ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVN WORN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
147	13.950	0.94452	0.53721	0.77002	0.70300
107	13.004	0.86145	0.52305	0.77270	0.84400

RUN35

NASA-LFVTS PRELIMINARY DATA 06/15/79 CANNED REF 11/02/79 00:32:35.293 FAC 9WAV1 PGM C034 PNC 1001

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
32	14.634	1.011P	0.55750	0.81129	0.43300
37	15.10R	1.0444	0.5756A	0.8375R	0.53300
47	15.343	1.0608	0.58460	0.85059	0.63100
52	14.639	1.0121	0.5577R	0.81157	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
62	14.020	0.96932	0.53420	0.77725	0.42200
67	13.985	0.96690	0.53287	0.77531	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	14.210	0.98243	0.54143	0.78777	0.56400
82	12.946	0.89649	0.4940A	0.71885	0.63500
92	14.429	0.99762	0.54000	0.79004	0.69200

ADDITIONAL PRESSURE RATIOS , EXHAUST SHROUD

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	14.394	0.99520	0.54844	0.79801	-1.0000
-112	14.384	0.99451	0.5480R	0.79745	-1.0000
-122	14.384	0.99451	0.5480R	0.79745	-1.0000
-127	14.379	0.99417	0.54789	0.7971R	-1.0000
-137	14.354	0.99244	0.54694	0.79579	-1.0000
-142	14.434	0.99706	0.54999	0.80022	-1.0000

ADDITIONAL PRESSURE RATIOS , FINDERMY IMET

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.394	0.99520	0.54846	0.79801	0.31900
112	14.384	0.99451	0.5480R	0.79745	0.34000
122	14.384	0.99451	0.5480R	0.79745	0.38600
127	14.379	0.99417	0.54789	0.7971R	0.43400
137	14.354	0.99244	0.54694	0.79579	0.46100
-142	14.434	0.99706	0.54999	0.80022	-1.0000
-147	14.434	0.99706	0.54999	0.80022	-1.0000
-157	14.434	0.99706	0.54999	0.80022	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE VENT

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-152	14.434	0.99706	0.54999	0.80022	-1.0000
-157	14.434	0.99706	0.54999	0.80022	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
167	14.429	0.99674	0.54903	0.79884	0.79900
172	13.895	0.96000	0.52906	0.7697R	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
182	13.975	0.94621	0.53249	0.77476	0.79900
187	13.380	0.85045	0.52887	0.76650	0.84400

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ADDITIONAL PRESSURE RATIOS - PRIMARY PUG

AVN WORN	PI	PI/PT	PI/PTF	PI/PTP	X/DMAX
32	11.666	0.40756	0.28445	0.43008	0.43300
37	11.214	0.37646	0.26311	0.41352	0.53300
47	11.828	0.41758	0.29811	0.43542	0.63100
52	13.960	0.56590	0.35214	0.51436	0.72900

ADDITIONAL PRESSURE RATIOS - FLOW SPI LITTE T.O.

AVN WORN	PI	PI/PT	PI/PTF	PI/PTP	X/DMAX
62	9.0030	0.62958	0.22956	0.33530	0.42200
67	13.844	0.55054	0.34051	0.51049	0.69200

ADDITIONAL PRESSURE RATIOS - FLOW SPI LITTE T.O.

AVN WORN	PI	PI/PT	PI/PTF	PI/PTP	X/DMAX
77	10.840	0.75192	0.27417	0.40845	0.56400
82	11.534	0.73650	0.29062	0.42419	0.63500
87	14.178	0.99551	0.36209	0.53018	0.69200

AVN WORN	PI	PI/PT	PI/PTF	PI/PTP	X/DMAX
107	14.313	0.98102	0.36135	0.52779	-1.0000
112	14.308	0.98087	0.36122	0.52760	-1.0000
122	14.309	0.98087	0.36122	0.52760	-1.0000
127	14.318	0.99136	0.36147	0.52797	-1.0000
137	14.343	0.98894	0.36059	0.52669	-1.0000
142	14.408	0.99758	0.36374	0.53128	-1.0000

ADDITIONAL PRESSURE RATIOS - FLOW SPI LITTE T.O.

AVN WORN	PI	PI/PT	PI/PTF	PI/PTP	X/DMAX
107	14.313	0.98102	0.36135	0.52779	0.31900
112	14.308	0.98087	0.36122	0.52760	0.34000
122	14.309	0.98087	0.36122	0.52760	0.38600
127	14.318	0.99136	0.36147	0.52797	0.43400
137	14.343	0.98894	0.36059	0.52669	0.46100
142	14.408	0.99758	0.36374	0.53128	0.46100

AVN WORN	PI	PI/PT	PI/PTF	PI/PTP	X/DMAX
152	14.408	0.99758	0.36374	0.53128	-1.0000
157	14.408	0.99758	0.36374	0.53128	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 NEG. SMOOD INCRATION

AVN WORN	PI	PI/PT	PI/PTF	PI/PTP	X/DMAX
167	14.363	0.97447	0.36261	0.52963	0.79300
172	17.580	0.93816	0.34207	0.49066	0.84400

ADDITIONAL PRESSURE RATIOS - 40 NEG. SMOOD INCRATION

AVN WORN	PI	PI/PT	PI/PTF	PI/PTP	X/DMAX
182	17.804	0.95578	0.34859	0.50992	0.79300
187	17.804	0.95578	0.34859	0.50992	0.84400

RUN35

NASA-Lewis PRELIMINARY DATA 06/15/79 CANNELL REC 11/02/79 00:34:16.996 FAC RTAVI PCN C034 PPG 1005

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	13.037	0.90219	0.29155	0.42950	0.43300
37	7.2143	0.49975	0.16134	0.23768	0.53300
47	8.7329	0.60226	0.19462	0.28672	0.63100
52	14.320	0.97024	0.31254	0.46190	0.72900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
52	10.121	0.70041	0.22634	0.33344	0.42200
67	13.410	0.95573	0.30885	0.45499	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.304	0.79231	0.25280	0.37243	0.56400
82	10.889	0.75294	0.24331	0.35845	0.43500
92	14.374	0.99477	0.32146	0.47357	0.69200

>ADDITIONAL PRESSURE RATIOS , EFFECTOR SURFACE

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-117	14.300	0.98958	0.31579	0.47111	-1.0000
-112	14.295	0.98975	0.31968	0.47094	-1.0000
-127	14.300	0.98958	0.31979	0.47111	-1.0000
-127	14.315	0.99062	0.32012	0.47160	-1.0000
-137	14.275	0.98786	0.31923	0.47028	-1.0000
-142	14.399	0.99649	0.32202	0.47439	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD IMPLY

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
127	14.300	0.98958	0.31979	0.47111	0.31900
112	14.295	0.98924	0.31968	0.47094	0.34000
127	14.300	0.98958	0.31979	0.47111	0.38600
127	14.315	0.99062	0.32012	0.47160	0.43400
127	14.275	0.98786	0.31923	0.47028	0.46100
-142	14.399	0.99649	0.32202	0.47439	-1.0000
-152	14.399	0.99649	0.32202	0.47439	-1.0000
-157	14.399	0.99649	0.32202	0.47439	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN WHEEL FLOW

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.300	0.98649	0.32202	0.47439	-1.0000
-147	14.424	0.99684	0.32212	0.47439	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.254	0.99338	0.32192	0.47291	0.79300
172	12.477	0.89113	0.28797	0.42424	0.84400

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.661	0.96577	0.30550	0.45006	0.70300
187	12.424	0.87082	0.28028	0.42254	0.84400

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RUN35

NASA-LFV15 PRELIMINARY DATA 06/15/79 CADDILLAC REC 11/02/79 00:37:45.779 FAC AK6H1 PCN C034 ENG 1006

ADDITIONAL PRESSURE RATIOS, PRIMARY MISC

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	15.395	1.0446	0.29648	0.42937	0.43300
37	8.5598	0.50296	0.16483	0.23871	0.53300
47	10.291	0.71226	0.19759	0.24673	0.63100
52	14.657	1.0316	0.27842	0.40321	0.72500

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	11.973	0.82046	0.23057	0.33392	0.42200
67	13.789	0.95429	0.26555	0.38457	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.145	0.91346	0.25392	0.36773	0.56400
82	7.6991	0.53278	0.14810	0.21448	0.63500
92	14.352	0.99435	0.27640	0.40029	0.69200

ADDITIONAL PRESSURE RATIOS, FLEETOR SHIP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.268	0.98847	0.27477	0.39793	-1.0000
-112	14.268	0.98847	0.27477	0.39793	-1.0000
-122	14.268	0.98847	0.27477	0.39793	-1.0000
-127	14.283	0.98951	0.27506	0.39834	-1.0000
-137	14.258	0.98778	0.27458	0.39765	-1.0000
-142	14.387	0.99677	0.27707	0.40127	-1.0000

ADDITIONAL PRESSURE RATIOS, FLEETOR IMFT

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.268	0.98847	0.27477	0.39793	0.31900
112	14.268	0.98847	0.27477	0.39793	0.34000
122	14.268	0.98847	0.27477	0.39793	0.38600
127	14.293	0.98951	0.27506	0.39834	0.43400
137	14.258	0.98778	0.27458	0.39765	0.46100
-142	14.387	0.99677	0.27707	0.40127	-1.0000
-147	14.387	0.99677	0.27707	0.40127	-1.0000
-157	14.387	0.99677	0.27707	0.40127	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.392	0.99642	0.27698	0.40113	-1.0000
-157	14.387	0.99677	0.27707	0.40127	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIP LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.323	0.99227	0.27582	0.39946	0.79300
172	12.586	0.87198	0.24230	0.35103	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHIP LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.724	0.95080	0.26420	0.38276	0.79300
197	13.444	0.93283	0.25030	0.37553	0.84400

VASA-1 FMS PRELIMINARY DATA 06/15/70 CANNELL REC 11/02/70 00:39-02.003 FBR 84651 PCM C034 ROC 1007

>ADDITIONAL PRESSURE RATIOS - PRIMARY PLING

AVN WPRD	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
32	16.874	1.1552	0.29545	0.42894	0.43300
37	9.3166	0.64547	0.16508	0.23967	0.53300
47	11.154	0.77277	0.19764	0.28693	0.63100
52	14.873	1.0304	0.26353	0.38259	0.72900

>ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVN WPRD	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
62	12.971	0.80865	0.25983	0.33368	0.42200
67	13.789	0.94537	0.24434	0.35673	0.49200

>ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.D.

AVN WPRD	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
77	14.309	0.88133	0.25353	0.36800	0.56400
92	7.5086	0.42645	0.13664	0.19547	0.63500
92	14.353	0.98444	0.25433	0.36924	0.69200

>ADDITIONAL PRESSURE RATIOS - EFFICIENCY GROUP

AVN WPRD	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
-107	14.250	0.88187	0.25265	0.36680	-1.0000
-112	14.264	0.88222	0.25274	0.36693	-1.0000
-122	14.266	0.88277	0.25284	0.36693	-1.0000
-127	14.289	0.98995	0.25314	0.36757	-1.0000
-132	14.259	0.88787	0.25265	0.36680	-1.0000
-142	14.198	0.88684	0.25495	0.37014	-1.0000

>ADDITIONAL PRESSURE RATIOS - EFFICIENCY INLET

AVN WPRD	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
177	14.250	0.88187	0.25265	0.36680	0.31900
177	14.264	0.88222	0.25274	0.36693	0.34000
177	14.266	0.88277	0.25284	0.36693	0.36000
177	14.289	0.98995	0.25314	0.36757	0.43400
177	14.259	0.88787	0.25265	0.36680	0.46100
-152	14.309	0.88133	0.25353	0.36800	0.50900
-152	14.353	0.98444	0.25433	0.36924	0.56000
-152	14.309	0.88133	0.25353	0.36800	0.50900

>ADDITIONAL PRESSURE RATIOS - CAN WHEELS

AVN WPRD	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
-157	14.382	0.88652	0.25486	0.37001	-1.0000
-157	14.181	0.88652	0.25486	0.37001	-1.0000

>ADDITIONAL PRESSURE RATIOS - 20 DEG SHOOTING LOCATION

AVN WPRD	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
167	14.314	0.99168	0.25362	0.36821	0.79300
177	17.502	0.86615	0.22152	0.32161	0.84400

>ADDITIONAL PRESSURE RATIOS - 40 DEG SHOOTING LOCATION

AVN WPRD	PL	PL/PN	PL/PT	PL/PTP	X/DMAX
182	13.790	0.95406	0.24451	0.35409	0.79300
182	13.790	0.95406	0.24451	0.35409	0.79300

RUN35

NASA-LEWIS PRELIMINARY DATA 06/15/79 CADDREII PER 11/22/79 00:30:10.272 FAC XXXX1 PGM F034 RNC 1000

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	16.600	1.1569	0.29525	0.42989	0.43300
77	9.7444	0.64784	0.16534	0.24074	0.53300
47	11.193	0.77513	0.19782	0.28804	0.63100
52	14.490	1.0321	0.26240	0.38351	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	12.999	0.90101	0.22095	0.33481	0.42200
67	13.787	0.95564	0.24290	0.35511	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	14.361	0.99540	0.25404	0.36989	0.56400
82	7.5905	0.52675	0.13443	0.19574	0.63500
92	14.346	0.99437	0.25378	0.36950	0.69200

~~ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD~~

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.254	0.98814	0.25210	0.36719	-1.0000
-112	14.251	0.98780	0.25210	0.36706	-1.0000
-122	14.261	0.98849	0.25228	0.36737	-1.0000
-127	14.281	0.98987	0.25263	0.36783	-1.0000
-137	14.244	0.98745	0.25201	0.36693	-1.0000
-142	14.381	0.99679	0.25440	0.37040	-1.0000

ADDITIONAL PRESSURE RATIOS, EJECTOR IMPLY

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.256	0.98814	0.25210	0.36719	0.31900
112	14.251	0.98780	0.25210	0.36706	0.34000
122	14.261	0.98849	0.25228	0.36737	0.38600
127	14.281	0.98987	0.25263	0.36783	0.43400
137	14.244	0.98745	0.25201	0.36693	0.46100
142	14.381	0.99679	0.25440	0.37040	0.50000
147	14.376	0.99644	0.25431	0.37028	0.50000
157	14.376	0.99644	0.25431	0.37028	-1.0000

~~ADDITIONAL PRESSURE RATIOS, PEN WATTEP PLUG~~

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.376	0.99644	0.25431	0.37028	-1.0000
-157	14.376	0.99644	0.25431	0.37028	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.304	0.99160	0.25307	0.36848	0.79300
172	12.530	0.86643	0.22113	0.32104	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	12.802	0.95449	0.24414	0.35550	0.79300
187	12.400	0.93550	0.23878	0.34744	0.84400

RUN 35

NASA-LEWIS PRELIMINARY DATA 36/15/79 CANNETT REC 11/02/79 00:41:17.413 FAN MAX1 PCN C034 RNC 1089

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	15.392	1.0663	0.29590	0.42843	0.43300
37	9.8874	0.61565	0.17085	0.24737	0.53300
47	10.396	0.72012	0.19984	0.28935	0.63100
52	14.470	1.0030	0.27834	0.40301	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
52	11.983	0.83011	0.23036	0.33354	0.42200
47	13.767	0.95322	0.26452	0.39300	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	14.709	1.0189	0.28275	0.40940	0.56400
82	7.6517	0.53019	0.14713	0.21303	0.63500
92	14.359	0.99471	0.27604	0.39067	0.69200

~~ADDITIONAL PRESSURE RATIOS, EXHAUST SHROUD~~

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.279	0.98918	0.27450	0.39745	-1.0000
112	14.274	0.98883	0.27440	0.39731	-1.0000
122	14.274	0.98883	0.27440	0.39731	-1.0000
127	14.299	0.99056	0.27488	0.39801	-1.0000
137	14.274	0.98883	0.27440	0.39731	-1.0000
142	14.389	0.99678	0.27661	0.40061	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.279	0.98918	0.27450	0.39745	0.31900
112	14.274	0.98883	0.27440	0.39731	0.34000
122	14.274	0.98883	0.27440	0.39731	0.38600
127	14.299	0.99056	0.27488	0.39801	0.43400
137	14.274	0.98883	0.27440	0.39731	0.46100
142	14.389	0.99678	0.27661	0.40061	-1.0000
147	14.344	0.99313	0.27671	0.40065	-1.0000
157	14.324	0.99213	0.27671	0.40065	-1.0000

~~ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP~~

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
152	14.394	0.99713	0.27671	0.40065	-1.0000
157	14.394	0.99713	0.27671	0.40065	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
147	14.299	0.99056	0.27488	0.39801	0.79300
172	12.547	0.86919	0.24120	0.34924	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
187	12.745	0.85218	0.26422	0.34259	0.79300
197	12.701	0.83385	0.26515	0.34252	0.84400

RUN35

PCW C034 PNC 1890

PCW 00471

PER 11/02/75 00:43:29.377

CANDEL

PRELIMINARY DATA 06/15/79

NASA-EVLS

>ADDITIONAL PRESSURE PATIENS - PRIMARY PING

AVN WORN	PL	M/PN	M/PTF	PL/PFP	X/OMAX
32	13.054	0.90403	0.20109	0.42893	0.43300
37	13.103	0.50625	0.16351	0.24020	0.53300
47	14.719	0.61789	0.19433	0.28642	0.63100
52	14.032	0.91175	0.11395	0.4105	0.72900

>ADDITIONAL PRESSURE PATIENS - FLOW SPILLTIP L.O.

AVN WORN	PL	M/PN	M/PTF	PL/PFP	X/OMAX
62	13.115	0.71051	0.22625	0.35236	0.42200
67	13.729	0.95067	0.30704	0.45105	0.49200

>ADDITIONAL PRESSURE PATIENS - FLOW SPILLTIP R.O.

AVN WORN	PL	M/PN	M/PTF	PL/PFP	X/OMAX
77	11.582	0.90211	0.25006	0.38057	0.56400
82	10.145	0.70259	0.22692	0.33335	0.63500
92	14.366	0.99489	0.32132	0.47203	0.69200

>ADDITIONAL PRESSURE PATIENS - FLOW SPILLTIP

AVN WORN	PL	M/PN	M/PTF	PL/PFP	X/OMAX
107	14.291	0.99971	0.31665	0.46957	-1.0000
112	14.291	0.99971	0.31665	0.46957	-1.0000
122	14.291	0.99971	0.31665	0.46957	-1.0000
127	14.306	0.99075	0.17448	0.47007	-1.0000
137	14.276	0.99867	0.31931	0.46908	-1.0000
152	14.396	0.99696	0.32199	0.47306	-1.0000

>ADDITIONAL PRESSURE PATIENS - FLOW SPILLTIP INIT

AVN WORN	PL	M/PN	M/PTF	PL/PFP	X/OMAX
107	14.291	0.99971	0.31665	0.46957	0.31900
112	14.291	0.99971	0.31665	0.46957	0.34000
122	14.291	0.99971	0.31665	0.46957	0.38600
127	14.396	0.99075	0.17448	0.47007	0.43400
137	14.276	0.99867	0.31931	0.46908	0.46100
142	14.276	0.99867	0.31931	0.46908	0.46100
152	14.396	0.99696	0.32199	0.47306	0.49900

>ADDITIONAL PRESSURE PATIENS - FLOW SPILLTIP

AVN WORN	PL	M/PN	M/PTF	PL/PFP	X/OMAX
152	14.391	0.99662	0.32199	0.47285	-1.0000
157	14.391	0.99662	0.32199	0.47285	-1.0000

>ADDITIONAL PRESSURE PATIENS - 20 DEG SHOWN LOCATION

AVN WORN	PL	M/PN	M/PTF	PL/PFP	X/OMAX
127	14.326	0.99213	0.32063	0.47072	0.79300
137	12.975	0.99169	0.28796	0.42307	0.84600

>ADDITIONAL PRESSURE PATIENS - 40 DEG SHOWN LOCATION

AVN WORN	PL	M/PN	M/PTF	PL/PFP	X/OMAX
157	13.453	0.94549	0.30537	0.44859	0.79300
167	13.453	0.94549	0.30537	0.44859	0.84600

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OF POOR QUALITY

RUN35

MA-1-1 FMS PRELIMINARY DATA 06/15/79 CANNED REC 11/02/79 00:44:37.712 FAC RX6X1 PGM C034 PNC 1891

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
22	11.654	0.80653	0.29427	0.42856	0.43300
37	10.276	0.71121	0.25949	0.37790	0.53300
47	11.614	0.80377	0.29326	0.42709	0.63100
52	13.909	0.96102	0.35097	0.51112	0.72900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	9.0684	0.62762	0.22999	0.33349	0.42200
67	13.699	0.94811	0.34593	0.50378	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.085	0.76716	0.27991	0.40784	0.56400
82	11.194	0.77476	0.28268	0.41167	0.63500
92	14.383	0.90542	0.36319	0.52892	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.313	0.99058	0.36142	0.52635	-1.0000
-112	14.338	0.99074	0.36130	0.52617	-1.0000
-122	14.313	0.99058	0.36142	0.52635	-1.0000
-127	14.313	0.99058	0.36142	0.52635	-1.0000
-137	14.278	0.98817	0.36054	0.52507	-1.0000
-152	14.403	0.99680	0.36349	0.52965	-1.0000

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.313	0.99058	0.36142	0.52635	0.31900
112	14.308	0.99024	0.36130	0.52617	0.34000
122	14.313	0.99058	0.36142	0.52635	0.38600
127	14.313	0.99058	0.36142	0.52635	0.43400
137	14.278	0.98817	0.36054	0.52507	0.46100
152	14.403	0.99680	0.36349	0.52965	1.0000
157	14.408	0.99714	0.36382	0.52984	1.0000
167	14.408	0.99714	0.36382	0.52984	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	14.438	0.99714	0.36382	0.52984	-1.0000
-167	14.409	0.99714	0.36382	0.52984	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.343	0.99265	0.36219	0.52745	0.79300
172	13.525	0.93602	0.34152	0.49736	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.799	0.85423	0.34820	0.50709	0.79300
192	13.670	0.84328	0.34617	0.50522	0.84400

C IN95

WASS-LEWIS PRELIMINARY DATA 06/15/79 CANNETT REF 11/02/79 00:45:17.100

FAC 9X6X1

PG# 0034

RDG 1897

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	10.743	0.74355	0.29695	0.42875	0.43300
77	12.930	0.89555	0.35765	0.51640	0.53300
47	13.234	0.91592	0.36579	0.52815	0.63100
52	14.432	0.99675	0.39807	0.57675	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER L.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
52	9.3767	0.57976	0.23154	0.33430	0.42200
67	13.668	0.94597	0.37779	0.54548	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER R.O.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.532	0.79813	0.31875	0.46022	0.56400
82	13.209	0.91423	0.36517	0.52715	0.63500
92	14.302	0.99605	0.39780	0.57435	0.69700

ADDITIONAL PRESSURE RATIOS , EXHAUST MUFFLER

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.322	0.99122	0.39586	0.57157	-1.0000
-112	14.317	0.99087	0.39573	0.57137	-1.0000
-122	14.322	0.99122	0.39586	0.57157	-1.0000
-127	14.322	0.99157	0.39600	0.57176	-1.0000
-137	14.292	0.98915	0.39504	0.57037	-1.0000
-142	14.407	0.99709	0.39821	0.57695	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.322	0.99122	0.39586	0.57157	0.31900
112	14.317	0.99087	0.39573	0.57137	0.34000
122	14.322	0.99122	0.39586	0.57157	0.38600
127	14.322	0.99157	0.39600	0.57176	0.43400
137	14.292	0.98915	0.39504	0.57037	0.46100
-142	14.407	0.99709	0.39821	0.57695	-1.0000
-147	14.432	0.99675	0.39807	0.57675	-1.0000
-157	14.507	0.99789	0.39821	0.57695	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN MUFFLER FLOW

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.402	0.99675	0.39807	0.57675	-1.0000
-157	14.507	0.99789	0.39821	0.57695	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.352	0.99329	0.39660	0.57276	0.70300
172	13.498	0.94734	0.37835	0.54627	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	13.833	0.95737	0.39235	0.55205	0.79300
187	13.408	0.94885	0.37862	0.54647	0.84400

RUN35

NASA-LEWIS PRELIMINARY DATA 06/15/79 CANDELL REC 11/02/79 00:46:21.543 FAT 0X6X1 PGM 0034 RDC 1893

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	13.422	0.92856	0.44142	0.63269	0.43300
37	15.197	1.0514	0.49981	0.71637	0.53300
47	15.840	1.0959	0.52096	0.74670	0.63100
52	14.963	1.0283	0.48882	0.70062	0.72900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	7.8741	0.54476	0.25897	0.37118	0.42200
67	13.621	0.96236	0.44798	0.64209	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	15.297	1.0583	0.50309	0.72108	0.56400
82	13.068	0.90406	0.42977	0.61599	0.63500
92	14.394	0.99584	0.47340	0.67853	0.69200

>ADDITIONAL PRESSURE RATIOS , EXPOSED SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.344	0.99239	0.47176	0.67618	-1.0000
-112	14.329	0.99136	0.47127	0.67547	-1.0000
-122	14.339	0.99205	0.47160	0.67594	-1.0000
-127	14.339	0.99205	0.47160	0.67594	-1.0000
-137	14.309	0.98998	0.47061	0.67453	-1.0000
-142	14.409	0.99688	0.47389	0.67923	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.344	0.99239	0.47176	0.67618	0.31900
112	14.329	0.99136	0.47127	0.67547	0.34000
122	14.339	0.99205	0.47160	0.67594	0.38600
127	14.339	0.99205	0.47160	0.67594	0.43400
137	14.309	0.98998	0.47061	0.67453	0.46100
142	14.409	0.99688	0.47389	0.67923	1.0000
147	14.409	0.99688	0.47389	0.67923	1.0000
149	14.409	0.99688	0.47389	0.67923	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.400	0.99688	0.47389	0.67923	-1.0000
-157	14.400	0.99688	0.47389	0.67923	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.359	0.99343	0.47225	0.67688	0.79300
172	13.786	0.95375	0.45339	0.64985	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
192	13.981	0.96930	0.45651	0.65431	0.79300
197	12.771	0.85271	0.45780	0.64014	0.84400

RUN35

NASA-Lewis PRELIMINARY DATA 06/15/79 CADDREI REC 11/02/79 03:47:30.721 FAC 9XAX1 PCW C034 RWG 1894

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	14.637	1.0117	0.55786	0.81300	0.43300
77	15.131	1.0438	0.57553	0.83876	0.53300
47	15.323	1.0596	0.58427	0.85150	0.63100
52	14.632	1.0114	0.55767	0.81273	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
A2	14.079	0.96967	0.53467	0.77921	0.42200
47	13.650	0.94348	0.52023	0.75816	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	14.203	0.98174	0.54132	0.78891	0.56400
92	12.967	0.89625	0.49419	0.72021	0.63500
97	14.428	0.99725	0.54987	0.80137	0.69200

~~ADDITIONAL PRESSURE RATIOS , EJECTION SURFAC~~

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-127	14.383	0.99414	0.54816	0.79888	-1.0000
-112	14.383	0.99414	0.54816	0.79888	-1.0000
-127	14.383	0.99414	0.54816	0.79888	-1.0000
-127	14.383	0.99414	0.54816	0.79888	-1.0000
-137	14.453	0.99208	0.54702	0.79722	-1.0000
-142	14.438	0.99794	0.55725	0.80192	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD IMEY

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.383	0.99414	0.54816	0.79888	0.31900
112	14.383	0.99414	0.54816	0.79888	0.34000
127	14.383	0.99414	0.54816	0.79888	0.38600
127	14.383	0.99414	0.54816	0.79888	0.43400
137	14.353	0.99208	0.54702	0.79722	0.46100
-142	14.438	0.99794	0.55725	0.80192	-1.0000
-142	14.438	0.99794	0.55725	0.80192	-1.0000
-142	14.438	0.99794	0.55725	0.80192	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER P.T.P.~~

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-157	14.432	0.99759	0.55000	0.80165	-1.0000
-152	14.428	0.99794	0.55025	0.80107	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.398	0.99518	0.54873	0.79071	0.79300
172	13.949	0.95864	0.52859	0.77035	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVG WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	13.969	0.96554	0.53239	0.77589	0.79300
192	13.070	0.95073	0.53807	0.77009	0.84400

RUN35

NASA-Lewis Preliminary Data 06/15/72 CADDIE REC 11/02/79 00:48:57.744 FAC AXAV1 PGW C034 R06 1895

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.631	1.0116	0.55976	0.81660	0.43300
37	15.095	1.0430	0.57713	0.84194	0.53300
47	15.394	1.0581	0.58552	0.85418	0.63100
52	14.616	1.0106	0.55619	0.81577	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.C.

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	14.042	0.97090	0.53725	0.78376	0.42200
67	13.658	0.94435	0.52255	0.76232	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	14.197	0.98159	0.54316	0.79239	0.56400
82	17.965	0.89641	0.49603	0.72362	0.63500
92	14.421	0.99711	0.55175	0.80491	0.69200

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER SHROUD~~

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.381	0.99435	0.55022	0.80269	-1.0000
112	14.381	0.99435	0.55022	0.80269	-1.0000
122	14.376	0.99400	0.55003	0.80241	-1.0000
127	14.381	0.99435	0.55022	0.80269	-1.0000
137	14.346	0.99194	0.54889	0.80074	-1.0000
142	14.426	0.99745	0.55194	0.80519	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER INLET

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.381	0.99435	0.55022	0.80269	0.31000
112	14.381	0.99435	0.55022	0.80269	0.34000
122	14.376	0.99400	0.55003	0.80241	0.38600
127	14.381	0.99435	0.55022	0.80269	0.43400
137	14.346	0.99194	0.54889	0.80074	0.46100
142	14.426	0.99745	0.55194	0.80519	0.50000
152	14.431	0.99780	0.55213	0.80547	1.0000
157	14.431	0.99780	0.55213	0.80547	1.0000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER PLUG~~

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
152	14.431	0.99780	0.55213	0.80547	-1.0000
157	14.431	0.99780	0.55213	0.80547	1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.401	0.99573	0.55000	0.80380	0.79300
172	13.879	0.95952	0.53095	0.77457	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVN WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.972	0.96607	0.53457	0.77986	0.79300
187	12.902	0.95084	0.53114	0.77485	0.84400

RUN35

NASA-LEWIS PRELIMINARY DATA 06/15/70 CANDELL REF 11/02/79 00:55:12.401 FAC RX6X1 PGM C034 P06 1896

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
22	15.412	1.0679	0.29441	0.42891	0.43300
37	9.6738	0.59757	0.16586	0.24000	0.53300
47	10.300	0.71373	0.19810	0.28665	0.63100
52	14.459	1.0019	0.27809	0.40241	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	11.966	0.82917	0.23014	0.33302	0.42200
67	13.647	0.94562	0.26246	0.37979	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.218	0.91590	0.25421	0.36785	0.56400
82	7.6907	0.53292	0.14791	0.21403	0.63500
92	14.345	0.99399	0.27588	0.39922	0.69200

~~ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.270	0.99881	0.27645	0.39714	-1.0000
-112	14.270	0.99881	0.27645	0.39714	-1.0000
-127	14.275	0.99916	0.27654	0.39727	-1.0000
-127	14.290	0.99019	0.27483	0.39769	-1.0000
-137	14.260	0.98812	0.27425	0.39646	-1.0000
-142	14.380	0.99661	0.27656	0.40019	-1.0000

~~ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.270	0.99881	0.27645	0.39714	0.31900
112	14.270	0.99881	0.27645	0.39714	0.34000
127	14.275	0.99916	0.27654	0.39727	0.38600
127	14.290	0.99019	0.27483	0.39769	0.43400
137	14.260	0.98812	0.27425	0.39646	0.46100
-142	14.380	0.99661	0.27656	0.40019	-1.0000
-152	14.345	0.99399	0.27588	0.39922	-1.0000
-157	14.345	0.99399	0.27588	0.39922	-1.0000

~~ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	14.385	0.99676	0.27645	0.40033	-1.0000
-157	14.341	0.99661	0.27656	0.40019	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.315	0.99192	0.27531	0.39838	0.79300
177	12.670	0.87375	0.24251	0.35092	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	13.721	0.95982	0.26109	0.38187	0.79300
197	12.642	0.82786	0.25901	0.37645	0.84400

RUN35

NASA-LEWIS PRELIMINARY DATA 06/15/79 CANNETT DEC 11/02/79 02:16:33.537 FAC 04X1 PGM C034 PNC 1897

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	15.478	1.0260	0.56347	0.95804	0.43300
37	15.548	1.0307	0.56402	0.96237	0.53300
47	15.588	1.0333	0.56748	0.96485	0.63100
52	15.203	1.0078	0.55344	0.94101	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	15.363	1.0184	0.55929	0.95092	0.42200
67	14.414	0.95574	0.52487	0.89240	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	15.068	0.99885	0.54854	0.93265	0.56400
82	13.462	0.89230	0.49008	0.83325	0.63500
92	15.123	1.0025	0.55054	0.93405	0.69200

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.588	0.96701	0.53106	0.90292	-1.0000
-112	14.528	0.96303	0.52887	0.89921	-1.0000
-122	14.798	0.98028	0.53824	0.91531	-1.0000
-127	14.808	0.98757	0.54235	0.92212	-1.0000
-137	14.963	0.99188	0.54472	0.92615	-1.0000
-147	15.138	1.0035	0.55109	0.93608	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.588	0.96701	0.53106	0.90292	0.31900
112	14.528	0.96303	0.52887	0.89921	0.34000
122	14.798	0.98028	0.53824	0.91531	0.38600
127	14.808	0.98757	0.54235	0.92212	0.43400
137	14.963	0.99188	0.54472	0.92615	0.46100
147	15.138	1.0035	0.55109	0.93608	0.50000
157	15.138	1.0035	0.55109	0.93608	-1.0000
167	15.138	1.0035	0.55109	0.93608	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.138	1.0035	0.55109	0.93608	-1.0000
-157	15.138	1.0035	0.55109	0.93608	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
147	14.763	0.97867	0.53747	0.91376	0.79300
172	14.598	0.96767	0.53142	0.90354	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
152	14.938	0.99922	0.54381	0.92469	0.79300
157	14.532	0.96171	0.53815	0.90707	0.84600

ORIGINAL PAGE IS
OF POOR QUALITY

RUN35

VASA-1 FMJF PRELIMINARY DATA 04/15/79 CANNON REC 11/02/79 02:17:49.660 FAC MAX1 PCN C036 RBC 1098

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	15.909	1.0503	0.50111	0.83984	0.43300
77	16.324	1.0777	0.51418	0.86176	0.53300
47	16.549	1.0919	0.52096	0.87311	0.63109
52	15.569	1.0778	0.49039	0.82180	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
52	15.384	1.0156	0.48456	0.81212	0.42200
47	14.449	0.95383	0.45510	0.76273	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	16.099	1.0428	0.50709	0.84987	0.56400
82	14.109	0.93732	0.46722	0.74953	0.63500
92	15.184	1.0074	0.47826	0.80155	0.69200

ADDITIONAL PRESSURE RATIOS , SECTION CROWN

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.689	0.96968	0.46266	0.77541	-1.0000
-112	14.629	0.96572	0.46077	0.77224	-1.0000
-127	14.884	0.98256	0.46881	0.78571	-1.0000
-127	14.979	0.98883	0.47180	0.79073	-1.0000
-137	15.039	0.99280	0.47369	0.79389	-1.0000
-142	15.189	1.0027	0.47847	0.80182	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY IMET

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.689	0.96968	0.46266	0.77541	0.31900
112	14.629	0.96572	0.46077	0.77224	0.34000
122	14.884	0.98256	0.46881	0.78571	0.38600
127	14.979	0.98883	0.47180	0.79073	0.43400
137	15.039	0.99280	0.47369	0.79389	0.46100
-142	15.189	1.0027	0.47847	0.80182	-1.0000
-152	15.100	1.0034	0.47882	0.80236	-1.0000
-157	15.184	1.0030	0.47858	0.80208	-1.0000

ADDITIONAL PRESSURE RATIOS , PAN WOFFLE FIB

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-152	15.100	1.0034	0.47882	0.80236	-1.0000
-157	15.184	1.0030	0.47858	0.80208	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
147	14.939	0.97059	0.46739	0.78333	0.78300
172	14.906	0.96799	0.46944	0.78477	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORN	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	15.114	0.99775	0.47606	0.79786	0.79300
197	14.729	0.97232	0.46309	0.77757	0.84400

RUN 25

NASA-Lewis PRELIMINARY DATA 06/15/79 CANNETT REF 11/02/79 02:1R:59.445 FAC 9X6X1 PGM C034 RDC 1899

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	14.835	0.08208	0.30244	0.65926	0.43300
37	16.475	1.0860	0.43307	0.72904	0.53300
47	17.085	1.1310	0.45156	0.75926	0.63100
52	15.835	1.0483	0.41680	0.70371	0.72000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	11.409	0.75528	0.30181	0.50701	0.42200
67	14.449	0.95592	0.38199	0.64171	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.579	0.83276	0.33277	0.55903	0.56400
82	14.775	0.97811	0.39085	0.65860	0.63500
92	15.125	1.0013	0.40011	0.67215	0.69200

~~>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.660	0.97049	0.38381	0.65148	-1.0000
-112	14.615	0.96751	0.38662	0.64948	-1.0000
-122	14.865	0.98406	0.39221	0.66060	-1.0000
-127	14.955	0.99007	0.39561	0.66460	-1.0000
-137	15.015	0.99400	0.39720	0.66726	-1.0000
-142	15.135	1.0019	0.40037	0.67260	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.660	0.97049	0.38381	0.65148	0.31900
112	14.615	0.96751	0.38662	0.64948	0.34000
122	14.865	0.98406	0.39221	0.66060	0.38600
127	14.955	0.99007	0.39561	0.66460	0.43400
137	15.015	0.99400	0.39720	0.66726	0.46100
142	15.135	1.0019	0.40037	0.67260	0.50000
152	15.775	1.0714	0.40037	0.67260	-1.0000
157	15.135	1.0019	0.40037	0.67260	-1.0000

~~>ADDITIONAL PRESSURE RATIOS , FOREBODY PLUG~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.135	1.0019	0.40037	0.67260	-1.0000
-157	15.135	1.0019	0.40037	0.67260	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.970	0.98175	0.39239	0.65904	0.79300
172	14.970	0.98107	0.39601	0.66578	0.84400

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	15.17	1.0316	0.40024	0.67277	0.79300
187	15.705	1.07063	0.40138	0.6748	0.82200

RUN35

PGC 1400

PGC 0734

FAC 0001

PGC 11/02/79 02:19:56.337

CARD 11

76/15/70

WATER-TEMPERATURE DATA

ADDITIONAL PRESSURE RATIOS - PRIMARY MUG

AVD WNDN	PI	PL/PM	PL/PTC	PL/PTP	K/DMAX
32	10.494	0.69987	0.25303	0.42055	0.43300
37	14.101	0.93436	0.34064	0.57593	0.53307
47	15.351	1.0151	0.36430	0.62302	0.63100
52	15.571	1.0296	0.37344	0.63195	0.72400

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVD WNDN	PI	PL/PM	PL/PTC	PL/PTP	K/DMAX
62	0.2673	0.56667	0.19835	0.33552	0.42200
67	14.401	0.95225	0.34550	0.58445	0.49200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.D.

AVD WNDN	PI	PL/PM	PL/PTC	PL/PTP	K/DMAX
77	11.495	0.76008	0.27578	0.46651	0.56400
82	12.765	0.86410	0.30624	0.51807	0.63500
87	15.151	1.0319	0.36350	0.61490	0.69200

~~ADDITIONAL PRESSURE RATIOS - FOREBEND INLET~~

AVD WNDN	PI	PL/PM	PL/PTC	PL/PTP	K/DMAX
-107	14.646	0.97113	0.35234	0.59602	-1.0000
-112	14.631	0.96766	0.35102	0.59379	-1.0000
-127	14.881	0.98400	0.35702	0.60394	-1.0000
-127	14.991	0.99128	0.35966	0.60840	-1.0000
-137	15.046	0.99491	0.36098	0.61063	-1.0000
-143	15.141	1.0012	0.36326	0.61449	-1.0000

ADDITIONAL PRESSURE RATIOS - FOREBEND INLET

AVD WNDN	PI	PL/PM	PL/PTC	PL/PTP	K/DMAX
107	14.646	0.97110	0.35234	0.59602	0.31900
112	14.631	0.96766	0.35102	0.59379	0.34000
127	14.881	0.98400	0.35702	0.60394	0.38400
127	14.991	0.99128	0.35966	0.60840	0.43400
137	15.046	0.99491	0.36098	0.61063	0.46100
143	15.141	1.0012	0.36326	0.61449	0.50000
157	15.141	1.0012	0.36326	0.61449	1.0000

~~ADDITIONAL PRESSURE RATIOS - 20 DEG SIMPSON INCRATION~~

AVD WNDN	PI	PL/PM	PL/PTC	PL/PTP	K/DMAX
-157	15.141	1.0012	0.36326	0.61449	-1.0000
-157	15.141	1.0012	0.36326	0.61449	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 DEG SIMPSON INCRATION

AVD WNDN	PI	PL/PM	PL/PTC	PL/PTP	K/DMAX
147	14.426	0.99236	0.35570	0.60170	0.79300
177	15.361	0.99501	0.36134	0.61124	0.84400

ADDITIONAL PRESSURE RATIOS - 40 DEG SIMPSON INCRATION

AVD WNDN	PI	PL/PM	PL/PTC	PL/PTP	K/DMAX
187	15.141	1.0034	0.36423	0.61611	0.79300
187	15.141	1.0034	0.36423	0.61611	0.84400

RUN35

MATA-LEWIS OPERATIONAL DATA 06/15/79 CANNON PFC 11/02/79 02:21:01.153 FAC 9441 PGM 0036 DOC 1901

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	11.947	0.79110	0.25487	0.42910	0.43300
37	6.6195	0.43834	0.14122	0.23776	0.53300
47	11.482	0.76030	0.24495	0.41240	0.63100
52	14.476	0.95962	0.30884	0.51997	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	9.2810	0.61458	0.19800	0.33336	0.42200
67	14.386	0.45266	0.30692	0.51674	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.912	0.78878	0.25412	0.42785	0.56400
82	12.372	0.81924	0.26302	0.44437	0.63500
92	15.101	1.0000	0.32217	0.54242	0.69200

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.~~

AVD WORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-117	14.691	0.97286	0.31363	0.52769	-1.0000
-112	14.651	0.97321	0.31257	0.52626	-1.0000
-122	14.896	0.98643	0.31780	0.53505	-1.0000
-127	15.011	0.99404	0.32025	0.53918	-1.0000
-137	15.071	0.99802	0.32153	0.54134	-1.0000
-142	15.111	1.00007	0.32238	0.54278	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
117	14.691	0.97286	0.31363	0.52769	0.31900
112	14.651	0.97321	0.31257	0.52626	0.34000
122	14.896	0.98643	0.31780	0.53505	0.38600
127	15.011	0.99404	0.32025	0.53918	0.43400
137	15.071	0.99802	0.32153	0.54134	0.46100
-147	15.111	1.00007	0.32238	0.54278	-1.0000
-142	15.116	1.00219	0.32249	0.54296	-1.0000
-147	15.116	1.00219	0.32249	0.54296	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.~~

AVD WORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.116	1.00219	0.32249	0.54296	-1.0000
-157	15.116	1.00219	0.32249	0.54296	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.926	0.98180	0.31639	0.53254	0.79300
172	14.972	0.93181	0.30927	0.50543	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.961	0.99073	0.31914	0.53739	0.79300
187	14.586	0.96503	0.31110	0.52302	0.86400

RUN35

NASA-Lewis PRELIMINARY DATA 06/15/79 CADDIE PFC 11/02/79 02:23:04.MRT FAC 9XCV1 PCF C934 REC 1902

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	13.999	0.92025	0.25499	0.42976	0.43300
37	7.8202	0.51836	0.16358	0.24208	0.53300
67	13.459	0.89117	0.24682	0.41615	0.63100
52	14.980	0.99170	0.27471	0.46317	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	10.747	0.71155	0.19709	0.33230	0.42200
67	14.414	0.95436	0.26434	0.44569	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.844	0.91660	0.25388	0.42806	0.56400
82	8.2947	0.54852	0.15193	0.25616	0.63500
92	15.120	1.0011	0.27728	0.46750	0.69200

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.740	0.97580	0.27030	0.45575	-1.0000
-112	14.715	0.97423	0.26985	0.45497	-1.0000
-127	14.975	0.99146	0.27462	0.46302	-1.0000
-127	15.095	0.99940	0.27682	0.46673	-1.0000
-137	15.150	1.0030	0.27783	0.46843	-1.0000
-147	15.133	1.0017	0.27746	0.46781	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.740	0.97580	0.27030	0.45575	0.31900
112	14.715	0.97423	0.26985	0.45497	0.34000
127	14.975	0.99146	0.27462	0.46302	0.38600
127	15.095	0.99940	0.27682	0.46673	0.43400
137	15.150	1.0030	0.27783	0.46843	0.46100
-147	15.133	1.0017	0.27746	0.46781	-1.0000
-157	15.133	1.0017	0.27746	0.46781	-1.0000
-167	15.133	1.0017	0.27746	0.46781	-1.0000

~~ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-157	15.130	1.0017	0.27746	0.46781	-1.0000
-167	15.130	1.0017	0.27746	0.46781	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOULDER LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.945	0.98285	0.27223	0.45899	0.79300
172	13.474	0.90534	0.25076	0.42280	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHOULDER LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.955	0.99013	0.27425	0.46240	0.79300
197	14.565	0.96430	0.26700	0.45033	0.84400

RUN 35

VASA-LFWIS PRELIMINARY DATA 06/15/79 CARMEII REC 11/02/79 02:24:29.241

FAC DRAW1

PGM C034

PGC 1003

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	14.407	0.95375	0.25391	0.43255	0.43300
37	14.2065	0.54924	0.14622	0.24909	0.53300
47	13.941	0.92295	0.24571	0.41858	0.63100
52	15.082	0.99844	0.26581	0.45282	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	11.159	0.73878	0.19868	0.33505	0.42200
67	14.412	0.95408	0.25799	0.43270	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	14.537	0.96236	0.25620	0.43645	0.56400
92	14.9762	0.53466	0.14234	0.24248	0.63500
92	15.117	1.0008	0.26642	0.45387	0.69200

ADDITIONAL PRESSURE RATIOS , FORWARD WING

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-127	14.757	0.97693	0.26008	0.44306	-1.0000
-112	14.732	0.97528	0.25964	0.44231	-1.0000
-122	14.987	0.99217	0.26413	0.44997	-1.0000
-127	15.002	0.99912	0.26599	0.45312	-1.0000
-137	15.147	1.0028	0.26696	0.45678	-1.0000
-142	15.117	1.0008	0.26642	0.45387	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.757	0.97693	0.26008	0.44306	0.31900
112	14.732	0.97528	0.25964	0.44231	0.34000
122	14.987	0.99217	0.26413	0.44997	0.38600
127	15.002	0.99912	0.26599	0.45312	0.43600
137	15.147	1.0028	0.26696	0.45678	0.46100
-142	15.117	1.0008	0.26642	0.45387	-1.0000
-152	15.117	1.0008	0.26642	0.45387	-1.0000
-157	15.117	1.0008	0.26642	0.45387	-1.0000

ADDITIONAL PRESSURE RATIOS , EARL NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.117	1.0008	0.26642	0.45387	-1.0000
-157	15.117	1.0008	0.26642	0.45387	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.847	0.98289	0.26167	0.44576	0.79300
172	13.491	0.90639	0.24130	0.41107	0.84400

ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
192	15.027	0.99482	0.26484	0.45117	0.79300
197	14.442	0.97064	0.25860	0.44021	0.84400

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RUN35

VACA-LEWIS PRELIMINARY DATA 06/15/70 CAMEL REC 11/02/79 02:24:40.315 PGM 0894 FAC 08611 DOC 3084

ADDITIONAL PRESSURE RATIOS , PRIMARY CHG

AVN WTRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
32	16.403	0.95311	0.25407	0.43115	0.43200
37	0.3351	0.55156	0.14703	0.24051	0.53300
47	14.043	0.92929	0.26772	0.42037	0.63100
52	15.308	0.99911	0.26633	0.45196	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVN WTRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
62	11.167	0.73996	0.19639	0.33429	0.42230
67	14.308	0.95279	0.25299	0.43100	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVN WTRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
77	14.283	0.94502	0.25724	0.43054	0.56400
82	0.0548	0.93307	0.14798	0.24112	0.63500
92	14.128	1.0011	0.26686	0.45286	0.69200

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.~~

AVN WTRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
-107	14.763	0.97694	0.26067	0.44193	-1.0000
-112	14.738	0.97528	0.25998	0.44118	-1.0000
-122	14.078	0.99117	0.26421	0.44837	-1.0000
-177	15.093	0.99878	0.26624	0.45181	-1.0000
-137	15.154	1.0031	0.26739	0.45376	-1.0070
-145	15.133	1.0016	0.26695	0.45301	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVN WTRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
107	14.763	0.97694	0.26067	0.44193	0.31900
112	14.738	0.97528	0.25998	0.44118	0.34000
122	14.078	0.99117	0.26421	0.44837	0.38400
127	15.093	0.99878	0.26624	0.45181	0.43000
137	15.154	1.0031	0.26739	0.45376	0.46100
145	15.133	1.0016	0.26695	0.45301	0.46000
152	15.133	1.0016	0.26695	0.45301	0.46000

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.~~

AVN WTRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
-157	15.133	1.0016	0.26695	0.45301	-1.0000
-152	15.133	1.0016	0.26695	0.45301	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHIMMING INDICATION

AVN WTRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
167	14.458	0.98322	0.26210	0.44677	0.79300
172	13.708	0.90711	0.24181	0.41034	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHIMMING INDICATION

AVN WTRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
182	15.043	0.99547	0.26534	0.45031	0.79300
187	14.473	0.97808	0.25995	0.44024	0.84400

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C-5

Run35

WAFS-I FMS PRELIMINARY DATA 04/15/79 CANNFII DEC 11/02/79 02:25:41.376 FAR 04601 PCN 0734 DEC 1985

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	13.939	0.91682	0.25446	0.43062	0.43300
37	7.9426	0.52884	0.14678	0.24439	0.53200
47	13.589	0.90024	0.24986	0.42286	0.62100
52	14.983	0.90230	0.27544	0.46617	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
52	10.661	0.70628	0.19603	0.33174	0.42200
67	14.399	0.95328	0.26458	0.44775	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	14.199	0.93425	0.25025	0.43872	0.56400
82	8.0780	0.53183	0.14761	0.24988	0.63500
92	15.105	1.0007	0.27774	0.47801	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR SURROUND

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.739	0.97582	0.27084	0.45833	-1.0000
-112	14.715	0.97683	0.27056	0.45787	-1.0000
-122	14.955	0.99074	0.27498	0.46534	-1.0000
-127	15.060	0.99770	0.27691	0.46861	-1.0000
-137	15.132	1.0023	0.27820	0.47075	-1.0000
-142	15.115	1.0013	0.27792	0.47032	-1.0000

ADDITIONAL PRESSURE RATIOS , FIREWORK INLET

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.739	0.97582	0.27084	0.45833	0.51400
112	14.715	0.97683	0.27056	0.45787	0.74000
122	14.955	0.99074	0.27498	0.46534	0.38600
127	15.060	0.99770	0.27691	0.46861	0.43400
137	15.132	1.0023	0.27820	0.47075	0.46100
142	15.115	1.0013	0.27792	0.47032	1.0000
147	15.110	1.0010	0.27780	0.47017	1.0000
157	15.117	1.0010	0.27783	0.47017	1.0000

ADDITIONAL PRESSURE RATIOS , FAN WHEEL PLUG

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-157	15.110	1.0010	0.27780	0.47017	-1.0000
-157	15.110	1.0010	0.27780	0.47017	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.845	0.98344	0.27296	0.46192	0.79300
172	13.674	0.93598	0.25143	0.42548	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.955	0.99074	0.27498	0.46534	0.79300
172	13.674	0.93598	0.25143	0.42548	0.84400

Run35

VEGA-1 FMS PRELIMINARY DATA 7/15/79 CAMPBELL REC 11/02/79 02:26:51.239 PCW C034 000 1000

ADDITIONAL PRESSURE RATIOS - PRIMARY PLUG

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
32	11.992	0.74787	0.25361	0.43059	0.43200
37	6.7248	0.44526	0.14333	0.24334	0.53300
57	11.529	0.75998	0.24785	0.42080	0.43100
7	16.592	0.96070	0.33095	0.52469	0.72900

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
62	9.1923	0.60966	0.19592	0.33263	0.42200
67	14.375	0.95181	0.30638	0.52017	0.69200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.D.

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	12.280	0.41371	0.26103	0.44469	0.56400
82	11.099	0.79440	0.25576	0.43420	0.63500
92	15.105	1.0702	0.32195	0.54659	0.69200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.D.

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	14.640	0.97201	0.31280	0.53121	-1.0000
-112	14.640	0.96956	0.31203	0.52976	-1.0000
-122	14.605	0.96987	0.31767	0.53899	-1.0000
-127	15.010	0.99387	0.31992	0.54315	-1.0000
-137	15.065	0.99751	0.32109	0.54515	-1.0000
-143	15.105	1.0002	0.32195	0.54659	-1.0000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.640	0.97201	0.31280	0.53121	0.31900
112	14.640	0.96956	0.31203	0.52976	0.34000
122	14.605	0.96987	0.31767	0.53899	0.39400
127	15.010	0.99387	0.31992	0.54315	0.43400
137	15.065	0.99751	0.32109	0.54515	0.46100
143	15.105	1.0002	0.32195	0.54659	0.48100

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-152	15.110	1.0005	0.32227	0.54771	-1.0000
-157	15.170	1.0112	0.32227	0.54771	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 DEG SHIMM LOCATION

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
147	14.645	0.98204	0.31640	0.53718	0.79300
172	16.075	0.93104	0.25099	0.40931	0.84400

ADDITIONAL PRESSURE RATIOS - 40 DEG SHIMM LOCATION

AVD WOPD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
182	14.065	0.98089	0.31906	0.54153	0.79300
197	14.085	0.98089	0.31906	0.54153	0.79300

RUN35

NASA-LEWIS PRELIMINARY DATA 06/15/79 CANDELL REC 11/02/79 02:27:56.001 FAC 046X1 PCN C034 PRC 1997

ADDITIONAL PRESSURE RATIOS , PRIMARY PIKE

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
37	10.676	0.70277	0.25483	0.42963	0.43300
37	13.913	0.91966	0.33333	0.56209	0.53300
47	14.369	0.98250	0.35639	0.60071	0.63100
52	15.409	1.0197	0.36525	0.62255	0.72400

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	0.2569	0.54625	0.19907	0.33395	0.42200
47	14.363	0.96520	0.34418	0.59029	0.69700

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
17	11.976	0.79143	0.28697	0.48384	0.56400
82	12.341	0.81558	0.29573	0.49860	0.63500
02	15.149	1.0011	0.36301	0.61203	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR SHOTS

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.679	0.97004	0.35174	0.59303	-1.0000
-112	14.634	0.96706	0.35066	0.59121	-1.0000
-122	14.889	0.98393	0.35678	0.60152	-1.0000
-127	15.004	0.99153	0.35953	0.60617	-1.0000
-137	15.059	0.99517	0.36085	0.60860	-1.0000
-147	15.149	1.0011	0.36301	0.61203	-1.0000

ADDITIONAL PRESSURE RATIOS , EJECTOR IMFT

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.679	0.97004	0.35174	0.59303	0.31900
112	14.634	0.96706	0.35066	0.59121	0.34000
122	14.889	0.98393	0.35678	0.60152	0.38600
127	15.004	0.99153	0.35953	0.60617	0.42400
137	15.059	0.99517	0.36085	0.60860	0.46100
-147	15.149	1.0011	0.36301	0.61203	-1.0000
-157	15.144	1.0008	0.36283	0.61183	-1.0000
-167	15.144	1.0008	0.36283	0.61183	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOOT LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-157	15.144	1.0008	0.36283	0.61183	-1.0000
-167	15.144	1.0008	0.36283	0.61183	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHOOT LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.859	0.98104	0.35606	0.60031	0.79300
172	15.014	0.99220	0.35977	0.60658	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHOOT LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	15.176	1.0028	0.36261	0.61305	0.79300
197	15.176	1.0028	0.36261	0.61305	0.84400

RUN35

NASC-1 FMS PRELIMINARY DATA 06/15/79 CADDEN REC 11/02/79 02:28:44.949 FAC RYAN PCN 004 DPG 1000

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	14.503	0.96429	0.39440	0.64900	0.43300
37	16.204	1.0767	0.42071	0.72464	0.53300
47	16.909	1.1727	0.44759	0.75559	0.63100
52	15.809	1.0444	0.41649	0.70309	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	0.6831	0.99904	0.25506	0.43054	0.42200
67	14.353	0.96442	0.37807	0.62442	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.807	0.84624	0.33734	0.56955	0.56400
82	14.843	0.98082	0.39090	0.66013	0.63500
92	15.143	1.0007	0.39890	0.67349	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER S.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.659	0.96859	0.38639	0.65189	-1.0000
-112	14.603	0.96495	0.38466	0.64944	-1.0000
-122	14.858	0.98161	0.39139	0.66079	-1.0000
-127	14.963	0.98876	0.39415	0.66547	-1.0000
-137	15.018	0.99239	0.39560	0.66792	-1.0000
-142	15.133	1.0000	0.39863	0.67303	-1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.659	0.96859	0.38611	0.65189	0.31900
112	14.603	0.96495	0.38466	0.64944	0.34000
122	14.858	0.98191	0.39139	0.66079	0.38600
127	14.963	0.98876	0.39415	0.66547	0.43400
137	15.018	0.99239	0.39560	0.66792	0.46100
-147	15.133	1.0000	0.39863	0.67303	1.0000
-157	15.143	1.0000	0.39890	0.67349	1.0000
-167	15.143	1.0000	0.39890	0.67349	1.0000

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER S.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.133	1.0000	0.39863	0.67303	-1.0000
-157	15.143	1.0000	0.39890	0.67349	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.849	0.98115	0.39117	0.66035	0.79300
172	14.989	0.98041	0.39491	0.66658	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	15.143	1.0007	0.39890	0.67349	0.79300
172	15.143	1.0000	0.39890	0.67349	0.84400

RUN 35

REC 11/02/79 02:20:43.450

PGM C336

BAR 0001

REC 11/02/79 02:20:43.450

CANFET

04/15/79

PRELIMINARY DATA

PRIMARY PUG

AVD WPRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
32	15.900	1.7495	0.49865	0.83777	0.43300
37	16.325	1.0775	0.51194	0.84017	0.53300
67	16.560	1.0917	0.51873	0.87150	0.63100
52	15.565	1.0274	0.48814	0.82011	0.72400

> ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVD WPRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
52	15.295	1.0095	0.47967	0.80598	0.42208
67	16.404	0.95077	0.45174	0.75806	0.69200

> ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER C.O.

AVD WPRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
77	16.235	1.0716	0.50916	0.85542	0.56400
92	16.134	0.93294	0.44327	0.74673	0.63500
92	15.195	1.0020	0.47653	0.80061	0.69200

> ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 3/4" IN

AVD WPRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
-107	16.679	0.96893	0.46037	0.77346	-1.0000
-112	16.614	0.96463	0.45833	0.77003	-1.0000
-122	16.875	0.94180	0.46649	0.74374	-1.0000
-127	16.980	0.94074	0.46679	0.74927	-1.0000
-137	15.025	0.99171	0.47120	0.79444	-1.0000
-142	15.175	1.0016	0.47590	0.79955	-1.0000

> ADDITIONAL PRESSURE RATIOS - FIREBRDY INLET

AVD WPRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
107	16.679	0.96893	0.46037	0.77346	0.31900
112	16.614	0.96463	0.45833	0.77003	0.34000
122	16.875	0.94180	0.46649	0.74374	0.38400
127	16.980	0.94074	0.46679	0.74927	0.43400
137	15.025	0.99171	0.47120	0.79164	0.46100
-147	15.175	1.0016	0.47590	0.79955	-1.0000
-157	15.175	1.0016	0.47590	0.79955	-1.0000

> ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 1/2" IN

AVD WPRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
-152	15.180	1.0019	0.47604	0.79981	-1.0000
-157	15.175	1.0016	0.47590	0.79955	-1.0000

> ADDITIONAL PRESSURE RATIOS - 20 DEG SURROUND INDICATION

AVD WPRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
167	16.470	0.94147	0.46633	0.74347	0.79300
172	16.880	0.94213	0.46665	0.74400	0.84400

> ADDITIONAL PRESSURE RATIOS - 90 DEG SURROUND INDICATION

AVD WPRD	PL	PL/MN	PL/PTF	PL/PTP	X/DMAX
182	15.095	0.99633	0.47330	0.79533	0.79300
187	14.714	0.99127	0.46123	0.77527	0.84400

RUN35

PCN C054 DEC 1910

FOR AKA81

REC 11/02/79 02:40:45.103

CANP011

06/15/79 PRELIMINARY DATA

ADDITIONAL PRESSURE RATINGS - PRIMARY PLUG

AVD WIND	PL	PL/PN	PL/PTE	PL/PTP	X/MAX
32	15.497	1.0237	0.56149	0.95961	0.43300
37	15.572	1.0274	0.56425	0.96367	0.53300
47	15.602	1.0299	0.56534	0.96549	0.63100
52	15.227	1.0052	0.55175	0.94229	0.72900

ADDITIONAL PRESSURE RATINGS - FLOW SM IYTER I.D.

AVD WIND	PL	PL/PN	PL/PTE	PL/PTP	X/MAX
62	15.387	1.0157	0.55755	0.95219	0.42200
57	15.627	0.99236	0.52277	0.94274	0.49200

ADDITIONAL PRESSURE RATINGS - FLOW SM IYTER O.D.

AVD WIND	PL	PL/PN	PL/PTE	PL/PTP	X/MAX
77	15.097	0.99659	0.54704	0.93474	0.56400
82	15.477	0.98965	0.48935	0.83400	0.63500
92	15.177	1.0019	0.54994	0.93919	0.69200

ADDITIONAL PRESSURE RATINGS - CORRECTION NUMBER

AVD WIND	PL	PL/PN	PL/PTE	PL/PTP	X/MAX
-127	15.647	0.96755	0.53349	0.90702	-1.0000
-112	14.597	0.96349	0.47893	0.90331	-1.0000
-122	14.852	0.98042	0.53817	0.91909	-1.0000
-127	15.262	0.98649	0.54161	0.92496	-1.0000
-137	15.007	0.99545	0.54374	0.92787	-1.0000
-142	15.147	1.0024	0.54031	0.93941	-1.0000

ADDITIONAL PRESSURE RATINGS - FIVESEVEN INCH

AVD WIND	PL	PL/PN	PL/PTE	PL/PTP	X/MAX
107	14.657	0.96755	0.53110	0.90702	0.31900
112	14.597	0.96349	0.47893	0.90331	0.34900
122	14.852	0.98042	0.53817	0.91909	0.38400
127	14.947	0.98649	0.54161	0.92496	0.43400
137	15.007	0.99545	0.54374	0.92787	0.46100
142	15.147	1.0024	0.54031	0.93941	0.50000
-147	15.102	1.0022	0.54017	0.93940	-1.0000

ADDITIONAL PRESSURE RATINGS - PEN WINDY TYPE

AVD WIND	PL	PL/PN	PL/PTE	PL/PTP	X/MAX
-152	15.187	1.0025	0.54031	0.93941	-1.0000
-157	15.147	1.0022	0.54017	0.93940	-1.0000

ADDITIONAL PRESSURE RATINGS - 20 DEG SHUTTER LOCATION

AVD WIND	PL	PL/PN	PL/PTE	PL/PTP	X/MAX
167	14.847	0.98099	0.53799	0.91877	0.79300
172	14.642	0.96656	0.53064	0.90409	0.84400

ADDITIONAL PRESSURE RATINGS - 40 DEG SHUTTER LOCATION

AVD WIND	PL	PL/PN	PL/PTE	PL/PTP	X/MAX
182	14.972	0.98934	0.54252	0.92651	0.79300
187	14.847	0.98649	0.54161	0.92787	0.84400

RUN35

WASH-LEWIS PRELIMINARY DATA 06/15/79 CARROLL REF 11/02/79 02:33:00.712 F&E 006X1 PG# 0034 DOC 1011

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
22	14.870	0.98149	0.70204	0.66137	0.43380
77	16.441	1.0051	0.43345	0.73123	0.53380
47	17.126	1.1334	0.45152	0.76170	0.43100
52	15.470	1.0475	0.41042	0.70586	0.72000

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	11.549	0.76222	0.30446	0.51362	0.42200
57	14.450	0.95375	0.38006	0.64268	0.60200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	12.574	0.82992	0.33150	0.55024	0.56400
42	14.860	0.98002	0.39170	0.66097	0.63500
02	15.160	1.0006	0.30060	0.67427	0.69200

ADDITIONAL PRESSURE RATIOS, EJECTION SHOTGUN

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.885	0.96926	0.38234	0.65314	-1.0000
-112	14.630	0.96563	0.39571	0.65060	-1.0000
-122	14.875	0.98181	0.39217	0.66159	-1.0000
-127	14.975	0.98441	0.39401	0.66604	-1.0000
-137	15.035	0.98238	0.39630	0.66871	-1.0000
-142	15.160	1.0006	0.39060	0.67427	-1.0000

ADDITIONAL PRESSURE RATIOS, FIREARM INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.685	0.96926	0.38234	0.65314	0.31900
112	14.630	0.96563	0.39571	0.65060	0.34000
127	14.875	0.98181	0.39217	0.66159	0.34600
127	14.975	0.98441	0.39401	0.66604	0.43400
137	15.035	0.98238	0.39630	0.66871	0.46100
-142	15.160	1.0006	0.39060	0.67427	-1.0000
-147	15.140	1.0000	0.39000	0.67400	-1.0000
-152	15.140	1.0000	0.39000	0.67400	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLOW

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.145	1.0010	0.39000	0.67450	-1.0000
-157	15.140	1.0006	0.39060	0.67427	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOTGUN LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.851	0.98016	0.39151	0.66068	0.79300
172	15.015	0.98106	0.39546	0.66782	0.84400

ADDITIONAL PRESSURE RATIOS, 30 DEG SHOTGUN LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	15.173	1.0013	0.39005	0.67472	0.79300
107	14.877	1.07810	0.39073	0.66074	1.04400

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395

RUN35

MASS-LFMS PRELIMINARY DATA 06/15/79 CADD011 RFC 11/02/79 02:35:11.227 FAC 00001 PCN 0004 OPC 1012

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLIN

AVD WTRD	PL	PI/PN	PI/PTF	PI/PTP	X/DNAX
37	15.975	1.0570	0.44087	0.82857	0.43300
47	16.370	1.0774	0.51286	0.86045	0.52300
47	16.550	1.0926	0.52909	0.87258	0.63100
47	15.575	1.0793	0.48045	0.82110	0.72900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WTRD	PL	PI/PN	PI/PTF	PI/PTP	X/DNAX
62	15.325	1.0119	0.48150	0.80800	0.42200
67	14.515	0.99829	0.45814	0.76529	0.69700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WTRD	PL	PI/PN	PI/PTF	PI/PTP	X/DNAX
77	16.155	1.0665	0.50767	0.85175	0.56400
87	14.160	0.93496	0.44499	0.74657	0.63500
92	15.170	1.0019	0.47677	0.79982	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER S.W.

AVD WTRD	PL	PI/PN	PI/PTF	PI/PTP	X/DNAX
-107	14.670	0.96851	0.46101	0.77746	-1.0000
-112	14.610	0.96455	0.45912	0.77030	-1.0000
-122	14.875	0.98206	0.46765	0.78427	-1.0000
-127	14.970	0.99832	0.47063	0.78920	-1.0000
-137	14.015	0.99129	0.47185	0.79165	-1.0000
-147	14.175	1.0019	0.47688	0.80009	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREIGN INLET

AVD WTRD	PL	PI/PN	PI/PTF	PI/PTP	X/DNAX
107	14.670	0.96851	0.46101	0.77746	0.31900
112	14.610	0.96455	0.45912	0.77030	0.34000
122	14.875	0.98206	0.46765	0.78427	0.39400
127	14.970	0.99832	0.47063	0.78920	0.43400
137	14.015	0.99129	0.47185	0.79165	0.46100
147	14.175	1.0019	0.47688	0.80009	0.50000
152	15.180	1.0019	0.47677	0.79982	-1.0000
157	15.170	1.0019	0.47677	0.79982	-1.0000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER S.W.

AVD WTRD	PL	PI/PN	PI/PTF	PI/PTP	X/DNAX
-152	15.180	1.0019	0.47677	0.79982	-1.0000
-157	15.170	1.0019	0.47677	0.79982	-1.0000

>ADDITIONAL PRESSURE RATIOS , NO DEG SHOWN LOCATION

AVD WTRD	PL	PI/PN	PI/PTF	PI/PTP	X/DNAX
167	14.865	0.99138	0.46713	0.78374	0.79300
172	14.975	0.98206	0.46765	0.78427	0.84400

>ADDITIONAL PRESSURE RATIOS , NO DEG SHOWN LOCATION

AVD WTRD	PL	PI/PN	PI/PTF	PI/PTP	X/DNAX
182	15.000	0.99626	0.47421	0.79561	0.79300
187	14.710	0.97116	0.46726	0.77567	0.84400

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RUN35

NASA-LEWIS PRELIMINARY DATA 36/15/79 CAMBIE REC 11/02/79 07:37:10.437 FAN 016V1 PGM C034 08C 1913

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
32	15.925	1.0506	0.57849	0.83728	0.43300
37	16.743	1.0780	0.58347	0.85910	0.53300
47	16.540	1.0912	0.60083	0.86962	0.63100
52	15.560	1.0766	0.56522	0.81808	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
52	15.334	1.0117	0.55705	0.80825	0.42200
67	16.554	0.96023	0.52870	0.76522	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.D.

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
77	15.224	1.0044	0.55305	0.80044	0.54400
82	14.124	0.93185	0.51398	0.74261	0.63500
92	15.169	1.0009	0.55185	0.79757	0.69200

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
-107	14.699	0.96980	0.53397	0.77285	-1.0000
-112	14.654	0.96483	0.53234	0.77048	-1.0000
-122	14.909	0.99366	0.56167	0.78390	-1.0000
-127	15.009	0.99026	0.56524	0.78916	-1.0000
-137	15.069	0.99422	0.56747	0.79231	-1.0000
-142	15.194	1.0018	0.55180	0.79836	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
107	14.699	0.96980	0.53397	0.77285	0.31900
112	14.654	0.96483	0.53234	0.77048	0.34000
122	14.909	0.99366	0.56167	0.78390	0.38600
127	15.009	0.99026	0.56524	0.78916	0.43400
137	15.069	0.99422	0.56747	0.79231	0.46100
-107	14.699	0.96980	0.53397	0.77285	-1.0000
-112	14.654	0.96483	0.53234	0.77048	-1.0000
-122	14.909	0.99366	0.56167	0.78390	-1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE PLUG

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
-152	15.184	1.0018	0.55180	0.79836	-1.0000
-157	15.179	1.0015	0.55147	0.79819	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
167	14.849	0.98102	0.54015	0.78179	0.79300
172	15.089	0.99554	0.56815	0.79336	0.84600

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
182	15.199	1.0121	0.55179	0.79967	0.79300
187	14.854	0.98093	0.53647	0.78160	0.84600

397

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ADDITIONAL PRESSURE RATINGS - PRIMARY MHC

AVG WTHN	PL	PL/PM	PL/PTE	PL/PTP	X/PMAX
77	14.378	1.0140	0.4780	0.6974	0.43900
77	14.676	1.1702	0.4189	0.7479	0.53300
77	17.260	1.1355	0.4341	0.7452	0.63100
52	14.803	1.7400	0.4941	0.7124	0.72000

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER L.O.

AVG WTHN	PL	PL/PM	PL/PTE	PL/PTP	X/PMAX
62	13.709	0.9545	0.4260	0.6182	0.42200
67	14.574	0.9619	0.4538	0.6385	0.49200

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER R.O.

AVG WTHN	PL	PL/PM	PL/PTE	PL/PTP	X/PMAX
77	14.484	1.0477	0.5128	0.7393	0.54400
92	14.100	0.9424	0.4415	0.6336	0.63500
92	15.174	1.0016	0.4723	0.6877	0.69200

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER L.O.

AVG WTHN	PL	PL/PM	PL/PTE	PL/PTP	X/PMAX
107	14.490	0.9490	0.5342	0.6924	0.69200
112	14.643	0.9427	0.4570	0.6477	0.69200
122	14.909	0.9476	0.4634	0.6864	0.69200
127	15.000	0.9476	0.4634	0.6864	0.69200
137	15.000	0.9476	0.4634	0.6864	0.69200
152	15.174	1.0016	0.4723	0.6877	0.69200

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER R.O.

AVG WTHN	PL	PL/PM	PL/PTE	PL/PTP	X/PMAX
107	14.490	0.9490	0.5342	0.6924	0.69200
112	14.643	0.9427	0.4570	0.6477	0.69200
122	14.909	0.9476	0.4634	0.6864	0.69200
127	15.000	0.9476	0.4634	0.6864	0.69200
137	15.000	0.9476	0.4634	0.6864	0.69200
152	15.174	1.0016	0.4723	0.6877	0.69200

ADDITIONAL PRESSURE RATINGS - FLOW SPLITTER L.O.

AVG WTHN	PL	PL/PM	PL/PTE	PL/PTP	X/PMAX
152	15.174	1.0016	0.4723	0.6877	0.69200
152	15.174	1.0016	0.4723	0.6877	0.69200

ADDITIONAL PRESSURE RATINGS - 20 DEG SPLITTER INJECTION

AVG WTHN	PL	PL/PM	PL/PTE	PL/PTP	X/PMAX
167	14.468	0.9412	0.4471	0.6684	0.79300
177	15.000	0.9476	0.4634	0.6864	0.69200

ADDITIONAL PRESSURE RATINGS - 80 DEG SPLITTER INJECTION

AVG WTHN	PL	PL/PM	PL/PTE	PL/PTP	X/PMAX
182	15.100	1.0320	0.4729	0.6917	0.69200
187	15.100	1.0320	0.4729	0.6917	0.69200

RUN35

DEC 11/02/79 07:40:43.114

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DEC 11/02/79 07:40:43.114

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06/15/79

PRELIMINARY DATA

ADDITIONAL PRESSURE RATIOS - PRIMARY PUG

AVG WREN	PL	W/PN	W/PTE	W/PDP	W/DMAX
32	12.212	0.80650	0.29364	0.43150	0.43300
37	12.414	0.80276	0.32506	0.47764	0.53300
47	13.548	0.89672	0.37577	0.47070	0.63100
52	15.044	0.99386	0.36186	0.53176	0.72400

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVG WREN	PL	W/PN	W/PTE	W/PDP	W/DMAX
62	9.2992	0.61414	0.27361	0.32855	0.42200
67	16.513	0.95849	0.34894	0.51262	0.69200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER F.D.

AVG WREN	PL	W/PN	W/PTE	W/PDP	W/DMAX
77	11.521	0.76909	0.27704	0.40710	0.54400
82	12.782	0.86284	0.30684	0.45045	0.63400
92	15.149	1.0906	0.36626	0.53527	0.69200

ADDITIONAL PRESSURE RATIOS - EXHAUST SPLITTER

AVG WREN	PL	W/PN	W/PTE	W/PDP	W/DMAX
-107	14.683	0.84572	0.35307	0.51803	-1.0000
-112	14.633	0.86642	0.35107	0.51704	-1.0000
-122	14.493	0.88120	0.34894	0.52626	-1.0000
-127	15.008	1.09120	0.36084	0.53037	-1.0000
-137	15.004	0.99516	0.36234	0.53264	-1.0000
-142	15.173	1.0021	0.36406	0.53415	-1.0000

ADDITIONAL PRESSURE RATIOS - EXHAUST INLET

AVG WREN	PL	W/PN	W/PTE	W/PDP	W/DMAX
107	14.683	0.84572	0.35307	0.51803	0.31400
112	14.633	0.86642	0.35107	0.51704	0.34000
122	14.493	0.88120	0.34894	0.52626	0.38000
127	15.008	0.99120	0.36084	0.53037	0.43000
137	15.004	0.99516	0.36234	0.53264	0.46100
142	15.173	1.0021	0.36406	0.53415	0.48000
147	15.149	1.0000	0.36406	0.53415	0.48000
152	15.149	1.0000	0.36406	0.53415	0.48000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER F.D.

AVG WREN	PL	W/PN	W/PTE	W/PDP	W/DMAX
-142	15.150	1.0011	0.36406	0.53415	-1.0000
-152	15.153	1.0000	0.36406	0.53415	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 DEG EXHAUST INLET

AVG WREN	PL	W/PN	W/PTE	W/PDP	W/DMAX
147	14.849	0.90662	0.35704	0.52464	0.79400
172	16.913	0.98492	0.35861	0.52896	0.84400

ADDITIONAL PRESSURE RATIOS - 40 DEG EXHAUST INLET

AVG WREN	PL	W/PN	W/PTE	W/PDP	W/DMAX
107	15.149	1.0011	0.36406	0.53415	0.79300
112	15.149	1.0000	0.36406	0.53415	0.84400

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RUN35

NASA-LFV15 PRELIMINARY DATA DATE 5/79 CANNFI REC 11/02/79 02:41:49.530 FAF RTAXI PCM 0834 PRC 1917

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DHAX
32	13.762	0.91151	0.29205	0.42940	0.43300
37	7.8021	0.51677	0.14558	0.24344	0.53300
47	9.3137	0.61690	0.19765	0.29061	0.63100
52	14.792	0.97976	0.31592	0.46155	0.72900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DHAX
42	10.415	0.69982	0.22102	0.32495	0.42200
67	14.492	0.95989	0.30755	0.45219	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DHAX
77	11.951	0.79222	0.25583	0.37320	0.56400
82	12.341	0.81741	0.26190	0.38507	0.63500
92	15.097	0.99907	0.32039	0.47107	0.69200

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DHAX
-107	14.672	0.97181	0.31137	0.45780	-1.0000
-112	14.627	0.96883	0.31041	0.45640	-1.0000
-122	14.887	0.99606	0.31593	0.46452	-1.0000
-127	14.887	0.99335	0.31827	0.46795	-1.0000
-137	15.057	0.99732	0.31954	0.46982	-1.0000
-147	15.092	0.99964	0.32029	0.47091	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DHAX
107	14.672	0.97181	0.31137	0.45780	0.31900
112	14.627	0.96883	0.31041	0.45640	0.34000
122	14.887	0.99606	0.31593	0.46452	0.38600
127	14.887	0.99335	0.31827	0.46795	0.43400
137	15.057	0.99732	0.31954	0.46982	0.46100
147	15.092	0.99964	0.32029	0.47091	0.48800
152	15.192	1.00003	0.32050	0.47123	0.50000
157	15.192	1.00003	0.32050	0.47123	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DHAX
-152	15.102	1.00003	0.32050	0.47123	-1.0000
-157	15.102	1.00003	0.32050	0.47123	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DHAX
167	14.837	0.98275	0.31487	0.46296	0.79300
172	14.012	0.97808	0.29726	0.43720	0.94400

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DHAX
187	14.837	0.98540	0.31572	0.46420	0.79300
192	14.837	0.98800	0.31723	0.46572	0.84500

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E.C.

RUN35

VACU-LEVEL PRELIMINARY DATA 06/15/79 CANDELL PFC 11/02/79 02:43:07.009 FCR 02471 PCN C034 DEC 1910

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 1.0

PL	M/PM	M/PTC	M/PTP	X/PMAX
32	16.241	1.0751	0.2973	0.42847
37	9.5393	1.63060	0.1766	0.43300
47	11.076	0.73215	0.20216	0.53900
52	15.256	1.0113	0.29006	0.72900

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0

PL	M/PM	M/PTC	M/PTP	X/PMAX
62	12.580	0.89170	0.23033	0.3196
67	16.511	0.95935	0.26569	0.34200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0

PL	M/PM	M/PTC	M/PTP	X/PMAX
77	13.941	0.92165	0.24524	0.36176
82	8.2472	0.54709	0.15173	0.21862
92	15.131	1.0093	0.27706	0.39916

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0

PL	M/PM	M/PTC	M/PTP	X/PMAX
107	14.756	0.97555	0.27017	0.36526
112	16.731	0.97339	0.26921	0.39526
117	16.976	0.99010	0.27420	0.39660
122	15.086	0.99747	0.27621	0.39797
127	15.161	1.0010	0.27727	0.39942
137	15.161	1.0010	0.27727	0.39942
147	15.161	1.0010	0.27727	0.39942

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0

PL	M/PM	M/PTC	M/PTP	X/PMAX
107	14.756	0.97555	0.27017	0.36526
112	16.731	0.97339	0.26921	0.39526
117	16.976	0.99010	0.27420	0.39660
122	15.086	0.99747	0.27621	0.39797
127	15.161	1.0010	0.27727	0.39942
137	15.161	1.0010	0.27727	0.39942
147	15.161	1.0010	0.27727	0.39942

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0

PL	M/PM	M/PTC	M/PTP	X/PMAX
152	15.121	0.99956	0.27965	0.39989
157	15.121	0.99956	0.27965	0.39989

ADDITIONAL PRESSURE RATIOS - 20 DEG. SLOPE INCLINATION

PL	M/PM	M/PTC	M/PTP	X/PMAX
147	14.956	0.99216	0.27200	0.39190
152	14.956	0.99216	0.27200	0.39190

ADDITIONAL PRESSURE RATIOS - 40 DEG. SLOPE INCLINATION

PL	M/PM	M/PTC	M/PTP	X/PMAX
157	15.751	0.99506	0.27557	0.39700
167	15.751	0.99506	0.27557	0.39700

RUN35

NASA-LEWIS PRELIMINARY DATA 06/15/70 CAMDREI REC 11/02/79 02:43:45.01R FSC RXAKI PCN 0034 RNC 1019

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLIN

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	14.709	1.1073	0.29823	0.43106	0.43300
37	9.7252	0.64451	0.17350	0.25080	0.53300
47	11.326	0.75363	0.20211	0.29229	0.63100
52	15.478	1.0225	0.27534	0.39802	0.72900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	12.952	0.85829	0.23118	0.33415	0.42200
67	14.503	0.96115	0.25886	0.37415	0.49700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	14.398	0.95353	0.25681	0.37119	0.56400
82	8.1147	0.53894	0.14491	0.20945	0.62500
92	15.093	1.0003	0.26535	0.38938	0.69200

>ADDITIONAL PRESSURE RATIOS , EXHAUST SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.733	0.97640	0.26297	0.38009	-1.0000
-112	14.723	0.97574	0.26279	0.37983	-1.0000
-122	14.968	0.99198	0.26716	0.38415	-1.0000
-127	15.073	0.99894	0.26904	0.38886	-1.0000
-137	15.148	1.0039	0.27038	0.39080	-1.0000
-162	15.118	1.0010	0.26984	0.38902	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.733	0.97640	0.26297	0.38009	0.31900
112	14.723	0.97574	0.26279	0.37983	0.34000
122	14.968	0.99198	0.26716	0.38415	0.38600
127	15.073	0.99894	0.26904	0.38886	0.43400
137	15.148	1.0039	0.27038	0.39080	0.46100
-107	14.733	0.97640	0.26297	0.38009	-1.0000
-112	14.723	0.97574	0.26279	0.37983	-1.0000
-122	14.968	0.99198	0.26716	0.38415	-1.0000
-127	15.073	0.99894	0.26904	0.38886	-1.0000
-137	15.148	1.0039	0.27038	0.39080	-1.0000

>ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.113	1.0016	0.26975	0.38900	-1.0000
-157	15.113	1.0016	0.26975	0.38900	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.953	0.98436	0.26511	0.38319	0.79300
172	13.753	0.91143	0.24547	0.35480	0.84400

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	15.051	0.99762	0.26888	0.38835	0.79300
187	14.603	0.97200	0.26207	0.37880	0.84400

RUN35

NASA-LEWIS PRELIMINARY DATA 06/15/79 CANNETT PFC 11/02/79 02:44:09.354 FAC 9KX1 PCN P034 RNC 1026

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
22	16.732	1.1083	0.29586	0.42962	0.43300
27	9.7743	0.64743	0.17287	0.25097	0.43300
47	11.320	0.74943	0.20017	0.29067	0.63100
52	15.437	1.0225	0.27206	0.39637	0.72900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.O.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	12.041	0.85719	0.22883	0.33278	0.42200
67	14.407	0.96023	0.25633	0.37227	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.O.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	14.507	0.96089	0.25651	0.37248	0.56400
82	8.0878	0.53572	0.14301	0.20767	0.63500
92	15.102	1.0093	0.26701	0.38776	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.747	0.97679	0.26075	0.37865	-1.0000
-112	14.722	0.97514	0.26031	0.37800	-1.0000
-122	14.952	0.99038	0.26439	0.38391	-1.0000
-127	15.067	0.99799	0.26641	0.38686	-1.0000
-137	15.112	1.0010	0.26721	0.38802	-1.0000
-142	15.087	0.99932	0.26677	0.38738	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.747	0.97679	0.26075	0.37865	0.31900
112	14.722	0.97514	0.26031	0.37800	0.34000
122	14.952	0.99038	0.26439	0.38391	0.38600
127	15.067	0.99799	0.26641	0.38686	0.43400
137	15.112	1.0010	0.26721	0.38802	0.46100
142	15.087	0.99932	0.26677	0.38738	0.46100
147	15.102	0.99965	0.26685	0.38751	-1.0000
152	15.092	0.99965	0.26685	0.38751	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	15.092	0.99965	0.26685	0.38751	-1.0000
-157	15.092	0.99965	0.26685	0.38751	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.942	0.98300	0.26243	0.38109	0.79300
172	13.731	0.90954	0.24289	0.35258	0.84400

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	15.327	0.99534	0.26570	0.38586	0.79300
197	16.473	0.97183	0.25629	0.37473	0.84400

RUN35

BASE-10MIS PRELIMINARY DATA 06/15/70 CANNON REF 11/02/70 02:45:03.629 FAC 4X6X1 PCM C034 PRG 1971

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
72	16.169	1.3694	0.29653	0.42929	0.43300
37	9.7458	0.64775	0.17946	0.25688	0.53300
47	10.942	0.73379	0.20066	0.29057	0.63100
52	15.294	1.0116	0.28047	0.40615	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
52	12.708	0.84051	0.23305	0.33747	0.42200
87	14.498	0.95896	0.26589	0.38503	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	14.123	0.93481	0.25919	0.37533	0.54400
82	7.9809	0.52841	0.14651	0.21216	0.63500
92	15.119	0.99998	0.27726	0.40150	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR SURF

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.744	0.97517	0.27028	0.39154	-1.0000
-112	14.719	0.97351	0.26997	0.39088	-1.0000
-127	14.974	0.99029	0.27460	0.39765	-1.0000
-127	15.089	0.99809	0.27671	0.40071	-1.0000
-137	15.144	1.0016	0.27772	0.40217	-1.0000
-147	15.134	1.0010	0.27754	0.40150	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.744	0.97517	0.27028	0.39154	0.31900
112	14.719	0.97351	0.26997	0.39088	0.34000
127	14.974	0.99029	0.27460	0.39765	0.38600
127	15.089	0.99809	0.27671	0.40071	0.43400
137	15.144	1.0016	0.27772	0.40217	0.46100
-147	15.134	1.0010	0.27754	0.40150	-1.0000
-157	15.129	1.0008	0.27745	0.40177	-1.0000
-167	15.129	1.0008	0.27745	0.40177	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD VENT

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-157	15.129	1.0006	0.27736	0.40177	-1.0000
-167	15.129	1.0006	0.27745	0.40177	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SIMPSON LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.944	0.98179	0.27727	0.39420	0.79300
177	13.853	0.91629	0.25406	0.36790	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SIMPSON LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
187	15.064	0.99634	0.27625	0.40004	0.79900
197	14.714	0.97319	0.26997	0.39074	0.84600

RUN35

NASC-LEWIS PRELIMINARY DATA 06/15/79 CANNFEE PFC 11/02/79 02:46:37.203 F4C 856V1 PGR 7034 R0C 1422

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	13.494	0.90494	0.29207	0.43035	0.43390
37	7.9827	0.52092	0.16813	0.24771	0.53300
47	9.2995	0.61444	0.19831	0.29220	0.63100
52	14.794	0.97766	0.21553	0.45491	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	19.709	0.70769	0.22840	0.33653	0.42200
67	14.449	0.95751	0.20502	0.45533	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.419	0.82072	0.26497	0.39029	0.56400
82	11.834	0.78205	0.25240	0.37189	0.63500
92	15.129	0.99980	0.32267	0.47544	0.69200

ADDITIONAL PRESSURE RATIOS , CHECKER SHROUD

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.480	0.97073	0.21329	0.46161	-1.0000
-112	14.654	0.96841	0.21254	0.46051	-1.0000
-122	14.909	0.98598	0.21799	0.46852	-1.0000
-127	15.024	0.99286	0.22047	0.47214	-1.0000
-137	15.179	0.99650	0.22160	0.47387	-1.0000
-147	15.129	0.99980	0.32267	0.47544	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.480	0.97073	0.21329	0.46161	0.71900
112	14.654	0.96841	0.21254	0.46051	0.34000
122	14.909	0.98524	0.21799	0.46852	0.34500
127	15.024	0.99286	0.22047	0.47214	0.43400
137	15.179	0.99650	0.22160	0.47387	0.46100
-147	15.129	0.99980	0.32267	0.47544	-1.0000
-152	15.129	0.99980	0.32267	0.47544	-1.0000
-157	15.129	0.99980	0.32267	0.47544	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD PLUG

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.129	0.99980	0.32267	0.47544	-1.0000
-157	15.129	0.99980	0.32267	0.47544	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.874	0.98321	0.31638	0.46617	0.79300
172	14.964	0.97963	0.29986	0.44107	0.84400

ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.014	0.98550	0.31800	0.46868	0.79300
187	14.515	0.95014	0.29055	0.46611	0.84400

RUN35

NASA-Lewis PRELIMINARY DATA 06/15/79 CAMBELL REC 11/02/79 02:47:39.540 FAC 94681 PCN 1924 REC 1923

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
32	12.163	0.83500	0.29214	0.42845	0.43300
37	13.153	0.87055	0.31507	0.46377	0.53300
67	13.220	0.87552	0.31773	0.46598	0.63100
52	14.934	0.98879	0.35873	0.52605	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
62	9.5464	0.63183	0.22920	0.33628	0.42200
67	14.479	0.95827	0.34776	0.51002	0.64200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	12.158	0.80401	0.29177	0.42792	0.56400
82	12.258	0.81129	0.29443	0.43180	0.63500
92	15.119	1.0006	0.36314	0.53257	0.69200

~~ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER~~

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.639	0.96886	0.35161	0.51566	-1.0000
-117	14.609	0.96688	0.35080	0.51460	-1.0000
-122	14.854	0.98910	0.36327	0.52373	-1.0000
-127	14.948	0.98939	0.35906	0.52658	-1.0000
-137	15.009	0.99336	0.36050	0.52870	-1.0000
-162	15.109	0.99908	0.36290	0.53272	-1.0000

ADDITIONAL PRESSURE RATIOS , EFFERITY IMLET

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.639	0.96886	0.35161	0.51566	0.31900
117	14.609	0.96688	0.35080	0.51460	0.34000
122	14.854	0.98910	0.36327	0.52373	0.38600
127	14.948	0.98939	0.35906	0.52658	0.43400
177	15.009	0.99336	0.36050	0.52870	0.46100
107	14.639	0.96886	0.35161	0.51566	-1.0000
117	14.609	0.96688	0.35080	0.51460	-1.0000
122	14.854	0.98910	0.36327	0.52373	-1.0000

~~ADDITIONAL PRESSURE RATIOS , FAN HOTSPOT CLAD~~

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
-157	15.139	0.99908	0.36290	0.53272	-1.0000
-157	15.139	0.99908	0.36290	0.53272	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.844	0.98263	0.35653	0.52289	0.4300
177	14.879	0.98144	0.35417	0.52275	0.44500

ADDITIONAL PRESSURE RATIOS , 40-DEG SHROUD LOCATION

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
187	15.139	0.99908	0.36290	0.53272	0.79300
187	15.139	0.99908	0.36290	0.53272	0.84600

RUN35

NASA-Lewis PRELIMINARY DATA 06/15/70 CANNON FFC 11/02/79 02:40:33.745 FSC 9461 PCN 0094 RNC 1074

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	11.154	0.73890	0.20504	0.43944	0.42300
37	14.300	0.96760	0.37817	0.55227	0.53300
47	15.205	1.0049	0.40204	0.58692	0.62100
57	15.505	1.0221	0.41210	0.60149	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	14.7558	0.57984	0.23152	0.33793	0.42700
57	14.454	0.95721	0.39221	0.55787	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER R.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	12.879	0.85286	0.34054	0.49706	0.56400
92	14.969	0.99132	0.39583	0.57775	0.63500
92	15.110	1.0006	0.39953	0.58316	0.69200

ADDITIONAL PRESSURE RATIOS, EJECTOR CHAMBER

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.629	0.96880	0.38684	0.56462	-1.0000
-112	14.579	0.96760	0.38551	0.56269	-1.0000
-127	14.879	0.98271	0.39230	0.57273	-1.0000
-127	14.829	0.98934	0.39504	0.57659	-1.0000
-137	14.900	0.99265	0.39836	0.57952	-1.0000
-147	15.105	1.0003	0.39940	0.58294	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD IMFT

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.629	0.96880	0.38684	0.56462	0.31900
112	14.579	0.96760	0.38551	0.56269	0.34000
127	14.879	0.98271	0.39230	0.57273	0.38600
127	14.829	0.98934	0.39504	0.57659	0.43400
137	14.900	0.99265	0.39836	0.57952	0.46100
-147	15.105	1.0003	0.39940	0.58294	-1.0000
-157	15.110	1.0006	0.39953	0.58316	-1.0000
-167	15.140	1.0026	0.40033	0.58431	-1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE PLUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.110	1.0006	0.39953	0.58316	-1.0000
-157	15.105	1.0003	0.39940	0.58294	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIMM LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.834	0.98238	0.39275	0.57254	0.79300
172	14.900	0.99265	0.39836	0.57952	0.84400

ADDITIONAL PRESSURE RATIOS, 90 DEG SHIMM LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	15.140	1.0026	0.40033	0.58431	0.79300
187	15.110	1.0006	0.39953	0.58316	0.84400

ORIGINAL PAGE IS
OF POOR QUALITY

RUN35

NASA-LFMS PRELIMINARY DATA 06/15/79 CANNETT PFC 11/02/79 02:49:31.141 FAC RUGRI PCN 1036 PPG 1025

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	15.343	1.0172	0.49023	0.49221	0.43300
27	16.599	1.1004	0.47016	0.74884	0.53303
47	17.169	1.1382	0.53003	0.77456	0.63100
52	16.903	1.0477	0.49525	0.71297	0.72900

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	13.829	0.91673	0.43334	0.62385	0.42200
67	14.489	0.96050	0.45403	0.65363	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	16.313	1.0915	0.51123	0.73598	0.56400
82	14.169	0.97928	0.44400	0.63919	0.63500
92	15.119	1.0029	0.47379	0.64206	0.69200

~~ADDITIONAL PRESSURE RATIOS , EJECTED SHOTS~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.633	0.97012	0.45857	0.66017	-1.0000
-112	14.593	0.96746	0.45732	0.65837	-1.0000
-122	14.943	0.98406	0.46516	0.66965	-1.0000
-127	14.943	0.98067	0.46829	0.67616	-1.0000
-137	14.989	0.99366	0.46070	0.67619	-1.0000
-142	15.109	1.0016	0.47346	0.68161	-1.0000

ADDITIONAL PRESSURE RATIOS , FEEDPORT INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.633	0.97012	0.45857	0.66017	0.31900
112	14.593	0.96746	0.45732	0.65837	0.74000
122	14.943	0.98406	0.46516	0.66965	0.78600
127	14.943	0.98067	0.46829	0.67616	0.43400
137	14.989	0.99366	0.46070	0.67619	0.46100
-142	15.109	1.0016	0.47346	0.68161	-1.0000
-147	14.119	0.9919	0.47367	0.67813	-1.0000
-157	16.113	1.0019	0.47367	0.67813	-1.0000

~~ADDITIONAL PRESSURE RATIOS , CAN MUFFLER PLUG~~

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.113	1.0019	0.47367	0.68163	-1.0000
-157	15.113	1.0019	0.47367	0.68163	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHIMM LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.919	0.98238	0.46437	0.66952	0.79300
172	15.073	0.99665	0.47111	0.67827	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHIMM LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	15.139	1.0136	0.47443	0.68296	0.79300
192	17.013	0.98706	0.46437	0.66952	0.82200

>ADDITIONAL PRESSURE RATIOS - PRIMARY PUF

AVN WIND	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
17	15.040	1.0490	0.58215	0.84871	0.43300
37	16.217	1.0735	0.49574	0.86852	0.53300
67	16.617	1.0864	0.60208	0.87923	0.63100
97	15.469	1.0239	0.56810	0.82834	0.72900

>ADDITIONAL PRESSURE RATIOS - FLOW SMITTED I.D.

AVN WIND	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
62	15.373	1.0176	0.56470	0.82328	0.42200
67	16.528	0.96169	0.53367	0.77803	0.69200

>ADDITIONAL PRESSURE RATIOS - FLOW SMITTED O.D.

AVN WIND	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
77	15.163	1.0037	0.55699	0.81203	0.56400
87	16.084	0.93255	0.51751	0.75467	0.63500
92	15.123	1.0011	0.55552	0.80999	0.60200

>ADDITIONAL PRESSURE RATIOS - FLOW SMITTED WIND

AVN WIND	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
-107	14.658	0.81029	0.53844	0.74494	-1.0000
-112	14.598	0.86431	0.53624	0.78178	-1.0000
-122	14.853	0.84319	0.56641	0.74563	-1.0000
-127	16.368	0.98967	0.54910	0.80052	-1.0000
-137	15.003	0.99311	0.55112	0.80347	-1.0000
-152	15.123	1.0014	0.55571	0.81016	-1.0000

>ADDITIONAL PRESSURE RATIOS - FLOW SMITTED IMLET

AVN WIND	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
107	14.658	0.97028	0.53844	0.78499	0.31900
112	14.598	0.96631	0.53624	0.78178	0.34000
122	14.853	0.98319	0.56641	0.74563	0.38000
127	16.368	0.98967	0.54910	0.80052	0.43000
137	15.003	0.99311	0.55112	0.80347	0.46100
-152	15.123	1.0014	0.55571	0.81016	0.50000

>ADDITIONAL PRESSURE RATIOS - 20 DEG SHIM INCLINATION

AVN WIND	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
-152	15.123	1.0014	0.55571	0.81016	-1.0000
-157	15.123	1.0011	0.55552	0.80999	-1.0000

>ADDITIONAL PRESSURE RATIOS - NO DEG SHIM INCLINATION

AVN WIND	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
117	14.818	0.98087	0.54437	0.78344	0.79300
172	15.073	0.98664	0.55185	0.80454	0.84400

>ADDITIONAL PRESSURE RATIOS - NO DEG SHIM INCLINATION

AVN WIND	PL	PL/PN	PL/PTF	PL/PTP	X/PMAX
187	15.119	1.0007	0.55534	0.80967	0.79500
192	15.100	1.0000	0.55500	0.80900	0.84400

RUN25

NASA-LEWIS PRELIMINARY DATA 06/15/79 CAMEP21 PEC 11/02/79 02:53:06.000 FAP 00001 PCN 1934 PBC 1927

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	15.886	1.0509	0.58504	0.84617	0.43300
37	16.771	1.0763	0.59023	0.84648	0.43300
67	16.466	1.0892	0.60641	0.87706	0.63199
52	15.501	1.0254	0.47988	0.82547	0.72900

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER L.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	15.376	1.0171	0.46627	0.81901	0.42200
67	14.576	0.96422	0.53691	0.77640	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER C.O.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	15.176	1.0039	0.55891	0.80436	0.56500
92	14.121	0.93412	0.42005	0.75216	0.63500
97	15.131	1.0039	0.45725	0.80596	0.69200

~~ADDITIONAL PRESSURE RATIOS, ENGINE INLET~~

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
137	14.646	0.96985	0.51938	0.78012	-1.0000
112	14.601	0.96587	0.53773	0.77773	-1.0000
122	14.876	0.98406	0.54796	0.79238	-1.0000
127	14.971	0.99035	0.55136	0.79744	-1.0000
137	15.026	0.99398	0.55338	0.80037	-1.0000
162	15.151	1.0073	0.55798	0.80702	-1.0000

ADDITIONAL PRESSURE RATIOS, ENGINE INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
137	14.646	0.96985	0.51938	0.78012	0.31000
112	14.601	0.96587	0.53773	0.77773	0.34000
122	14.876	0.98406	0.54796	0.79238	0.38000
127	14.971	0.99035	0.55136	0.79744	0.42400
137	15.026	0.99398	0.55338	0.80037	0.46100
162	15.151	1.0073	0.55798	0.80702	-1.0000
162	15.151	1.0073	0.55798	0.80702	-1.0000
162	15.151	1.0073	0.55798	0.80702	-1.0000

~~ADDITIONAL PRESSURE RATIOS, 20 DEG SHOWN LOCATION~~

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
152	15.151	1.0073	0.55798	0.80702	-1.0000
157	15.151	1.0073	0.55798	0.80702	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHOWN LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.916	0.98998	0.54565	0.78918	0.79300
172	15.076	0.99729	0.55522	0.80702	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHOWN LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	15.156	1.0326	0.55917	0.83225	0.79300
187	15.076	0.97078	0.52622	0.78801	0.84400

ORIGINAL PAGE IS
OF POOR QUALITY

Run 37

15 1979 JUN 15 10:41 AM
 RECEIVED
 1979 JUN 15 10:41 AM
 1979 JUN 15 10:41 AM

100-443886-100

Small and large

WILLIAM F. REFFIGER AT 1000

no 102 800-4777 F PLUG

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

314 604 107 718

PLATE 11

1503401

2

SPLIT PLUG (FYTENON)

ADULTS: 1000

Sluts

12 221

Armed

[illegible]

10

1. *Chlorophyll a* (Chl *a*)

[illegible]

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

10

413

AVG WTR	PI	W/P	W/P/R	W/P/R	W/P/R
32	15.114	1.0107	0.5582	0.5445	0.7220
37	15.711	1.0173	0.5673	0.5503	0.8200
47	15.761	1.0305	0.5647	0.5535	0.9100
52	15.051	1.035	0.5516	0.5381	1.0130

SENSITIVE PROCESS DATA - FLOW CONTROLLED I.C.					
AVG WREN	PI	M/M	M/PTF	M/PTP	I/M-AR
62	15.36	1.0234	0.5694	0.5635	0.42708
47	14.962	0.98018	0.51093	0.47042	2.45200

AVG WIND	PI	M/40	M/50	M/70	M/90	WIND
77	14.917	0.0071	0.0153	0.03201	0.56499	
92	13.472	0.0069	0.0246	0.0346	0.63500	
40	15.130	1.0000	0.5647	0.3372	0.69200	

ADDITIONAL REQUIRE RATIO - 5-SECTOR-GROWTH	U/P	M/P	M/P/E	M/P/E	ATM/P
-10%	14.427	0.96424	0.53324	0.90294	-1.0000
-11%	14.492	0.97223	0.53714	0.89223	-1.0000
-12%	14.462	0.97073	0.54210	0.88109	-1.0000
-13%	14.253	0.96667	0.54541	0.87202	-1.0000
-14%	14.417	0.96964	0.54766	0.87418	-1.0000
-15%	14.496	1.0077	0.55444	0.87708	-1.0000

[illegible]

ADP	NEW	PI	10-100	PI/100	PI/100	PI/100
-10	14.000	1.000	1.000	0.000	0.000	-1.000
-10	14.000	1.000	1.000	0.000	0.000	-1.000
-10	14.000	1.000	1.000	0.000	0.000	-1.000

SOLUBLE POLYMERIZATION, 20 DEG C					
Wt %	Wt %	Wt %	Wt %	Wt %	Wt %
1.7	14.22	0.0776	0.0135	0.0048	0.0048
1.7	14.41	0.0777	0.0135	0.0048	0.0048

RUN 37

WASA-LEWIS OFFICIAL/NAVY DATA 04/15/79 CANNON REC 11/02/79 05:12:21.763 FAC AV6X1 PCW 0936 POG 1961

ADDITIONAL PRESSURE RATIOS, PRIMARY MUG

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	15.379	1.0349	0.47739	0.87634	0.72200
37	15.542	1.0357	0.49290	0.87912	0.82073
47	15.687	1.0454	0.49669	0.83685	0.91903
52	15.197	1.0129	0.48119	0.81073	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	15.912	1.0537	0.50067	0.84351	0.42200
67	14.399	0.93954	0.44629	0.75211	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.O.

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	16.116	1.0740	0.51078	0.85074	0.56400
82	13.824	0.92123	0.47769	0.73745	0.63500
92	15.043	1.0225	0.47628	0.80747	0.69200

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.498	0.96617	0.45904	0.77343	-1.0000
-112	14.438	0.96218	0.45714	0.77023	-1.0000
-122	14.703	0.97982	0.46552	0.78435	-1.0000
-127	14.798	0.98614	0.46857	0.78942	-1.0000
-137	14.863	0.99047	0.47059	0.79288	-1.0000
-142	15.038	1.0021	0.47612	0.80221	-1.0000

ADDITIONAL PRESSURE RATIOS, FOREBODY INLET

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.498	0.96617	0.45904	0.77343	0.21900
112	14.438	0.96218	0.45714	0.77023	0.34000
122	14.703	0.97982	0.46552	0.78435	0.38600
127	14.798	0.98614	0.46857	0.78942	0.43400
137	14.863	0.99047	0.47059	0.79288	0.46100
-142	15.038	1.0021	0.47612	0.80221	-1.0000
-152	15.043	1.0025	0.47628	0.80747	-1.0000
-157	15.038	1.0021	0.47612	0.80221	-1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.043	1.0025	0.47628	0.80747	-1.0000
-157	15.038	1.0021	0.47612	0.80221	-1.0000

ADDITIONAL PRESSURE RATIOS, 70 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.647	0.97616	0.46379	0.78142	0.73300
172	14.508	0.96884	0.45536	0.77296	0.84400

ADDITIONAL PRESSURE RATIOS, 80 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.863	0.99047	0.47059	0.79288	0.79300
187	14.438	0.96218	0.45714	0.77023	0.84400

RUN 37

DEC 1963

PCM COM

EAR 4541

DEC 11/02/70 00:15:12.400

CANNELL

06/15/70

VACA-1500C MPTI-MPTI DATA

ADDITIONAL PRESSURE RATIOS - PRIMARY MING

AVG WPN	PI	M/BN	M/PTF	M/PTP	X/DMAX
32	14.514	0.5775	0.20728	0.74001	0.72200
37	11.509	0.76347	0.27735	0.66700	0.72000
47	15.770	1.0447	0.28025	0.64020	0.91900
52	15.535	1.0305	0.37435	0.63033	1.0170

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 1.0.

AVG WPN	PI	M/BN	M/PTF	M/PTP	X/DMAX
52	17.202	1.1411	0.41454	0.69901	0.42200
57	14.156	0.93007	0.34114	0.57441	0.69200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 0.0.

AVG WPN	PI	M/BN	M/PTF	M/PTP	X/DMAX
77	11.474	0.76115	0.27651	0.46558	0.56400
82	12.028	0.80944	0.20013	0.57350	0.63500
87	15.070	0.95960	0.25314	0.61149	0.69200

ADDITIONAL PRESSURE RATIOS - EJECTOR SUBSONIC

AVG WPN	PI	M/BN	M/PTF	M/PTP	X/DMAX
-107	14.551	0.94524	0.35945	0.59042	-1.0000
-112	14.406	0.94159	0.34932	0.58819	-1.0000
-122	14.776	0.98015	0.34601	0.59954	-1.0000
-127	14.998	0.98810	0.35805	0.60440	-1.0000
-137	14.845	0.98141	0.36015	0.60757	-1.0000
-142	15.070	0.99959	0.36314	0.61149	-1.0000

ADDITIONAL PRESSURE RATIOS - EJECTOR SUPER

AVG WPN	PI	M/BN	M/PTF	M/PTP	X/DMAX
107	14.551	0.94524	0.35945	0.59042	0.31900
112	14.406	0.94159	0.34932	0.58819	0.34000
122	14.776	0.98015	0.34601	0.59954	0.38000
127	14.804	0.98810	0.35805	0.60440	0.43000
137	14.965	0.99141	0.36015	0.60757	0.46100
-142	15.070	0.99959	0.36314	0.61149	0.48000
-147	15.365	0.99834	0.36304	0.61174	0.50000
-157	15.070	0.99869	0.36314	0.61149	0.50000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 1.0

AVG WPN	PI	M/BN	M/PTF	M/PTP	X/DMAX
-107	14.551	0.94524	0.35945	0.59042	-1.0000
-112	14.406	0.94159	0.34932	0.58819	-1.0000
-122	14.776	0.98015	0.34601	0.59954	-1.0000
-127	14.998	0.98810	0.35805	0.60440	-1.0000
-137	14.845	0.98141	0.36015	0.60757	-1.0000
-142	15.070	0.99959	0.36314	0.61149	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 DEG SHIMMUN LOCATION

AVG WPN	PI	M/BN	M/PTF	M/PTP	X/DMAX
147	14.704	0.97551	0.34438	0.55670	0.79300
172	14.104	0.94124	0.34114	0.57562	0.84400

ADDITIONAL PRESSURE RATIOS - 40 DEG SHIMMUN LOCATION

AVG WPN	PI	M/BN	M/PTF	M/PTP	X/DMAX
147	14.704	0.97551	0.34438	0.55670	0.79300
172	14.104	0.94124	0.34114	0.57562	0.84400

RUN 37

VASA-LEWIS PRELIMINARY DATA 06/15/70 CANNETT DEC 11/02/79 05:17:20.710 FAR 9X6V1 PG= 0034 PPG 1965

ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	8.0936	0.54873	0.16367	0.27684	0.72200
37	14.314	1.0613	0.70494	0.49910	0.82000
47	11.878	0.74713	0.21876	0.37017	0.91900
52	15.320	1.0153	0.28217	0.47746	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	21.954	1.4549	0.40435	0.68420	0.42200
67	14.121	0.94906	0.26276	0.44631	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	13.556	0.89840	0.24968	0.42249	0.56400
82	8.5887	0.56918	0.15819	0.26767	0.63500
92	15.090	1.0000	0.27793	0.47029	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.701	0.97422	0.27076	0.45815	-1.0000
-112	14.691	0.97290	0.27039	0.45753	-1.0000
-122	14.925	0.98912	0.27493	0.46516	-1.0000
-127	15.050	0.99740	0.27720	0.46905	-1.0000
-137	15.110	1.0014	0.27830	0.47092	-1.0000
-142	15.105	1.0010	0.27821	0.47076	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.701	0.97422	0.27076	0.45815	0.31900
112	14.691	0.97290	0.27039	0.45753	0.34000
122	14.925	0.98912	0.27493	0.46516	0.38600
127	15.050	0.99740	0.27720	0.46905	0.43400
137	15.110	1.0014	0.27830	0.47092	0.46100
-142	15.105	1.0010	0.27821	0.47076	1.0000
-152	15.105	1.0010	0.27821	0.47076	1.0000
-157	15.105	1.0010	0.27821	0.47076	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.105	1.0010	0.27821	0.47076	-1.0000
-157	15.105	1.0010	0.27821	0.47076	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.776	0.97919	0.27214	0.46048	0.79300
172	15.482	0.89343	0.24830	0.42016	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WOPD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.641	0.97025	0.26965	0.45628	0.79300
187	14.736	0.97416	0.25062	0.43921	0.84400

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RUN 37

NASA-LEWIS PRELIMINARY DATA 06/15/79 CANNON REF 11/02/79 05:22:39.999 FAC 046X1 PCN C934 OPC 1048

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVN WORD	PL	M/PN	M/PTF	PL/PTP	X/DMAX
22	8.7099	0.59313	0.16114	0.27891	0.72200
27	15.937	1.0495	0.29004	0.50203	0.82000
47	11.939	0.78257	0.21626	0.37433	0.91900
52	15.243	1.0131	0.27914	0.48719	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVN WORD	PL	M/PN	M/PTF	PL/PTP	X/DMAX
52	21.564	1.4200	0.39491	0.68356	0.42200
67	14.493	0.96045	0.26542	0.45941	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVN WORD	PL	M/PN	M/PTF	PL/PTP	X/DMAX
77	13.428	0.89999	0.26592	0.42567	0.56400
82	8.0437	0.53305	0.14731	0.25498	0.67500
97	15.093	1.0002	0.27640	0.47842	0.69200

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVN WORD	PL	M/PN	M/PTF	PL/PTP	X/DMAX
-107	14.708	0.97469	0.26935	0.46623	-1.0000
-112	14.673	0.97237	0.26871	0.46512	-1.0000
-122	14.923	0.98893	0.27329	0.47304	-1.0000
-127	15.053	0.99754	0.27567	0.47716	-1.0000
-137	15.103	1.0009	0.27658	0.47874	-1.0000
-147	15.098	1.0005	0.27649	0.47858	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVN WORD	PL	M/PN	M/PTF	PL/PTP	X/DMAX
107	14.708	0.97469	0.26935	0.46623	0.31900
112	14.673	0.97237	0.26871	0.46512	0.34000
122	14.923	0.98893	0.27329	0.47304	0.38600
127	15.053	0.99754	0.27567	0.47716	0.43400
137	15.103	1.0009	0.27658	0.47874	0.46100
-147	15.098	1.0005	0.27649	0.47858	-1.0000
-152	15.103	1.0009	0.27658	0.47874	-1.0000
-157	15.108	1.0005	0.27649	0.47858	-1.0000

ADDITIONAL PRESSURE RATIOS, CAN NOZZLE FLAP

AVN WORD	PL	M/PN	M/PTF	PL/PTP	X/DMAX
-157	15.103	1.0009	0.27658	0.47874	-1.0000
-152	15.108	1.0005	0.27649	0.47858	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVN WORD	PL	M/PN	M/PTF	PL/PTP	X/DMAX
167	14.778	0.97933	0.27063	0.46846	0.79300
172	13.349	0.88592	0.24482	0.42377	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVN WORD	PL	M/PN	M/PTF	PL/PTP	X/DMAX
187	14.678	0.96929	0.26790	0.46369	0.79300
197	14.768	0.93229	0.25764	0.44595	0.84400

ADDITIONAL MEASURED THROAT PARAMETERS

RUN 37

NASA-LEWIS PRELIMINARY DATA 06/15/70 CANNELL REF 11/07/70 05:24:27.302 FAC 04671 PCM 0034 DEC 1067

ADDITIONAL PRESSURE RATIOS, PRIMARY PUMP

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	0.2073	0.61030	0.16067	0.27450	0.72200
77	17.132	1.1350	0.29827	0.51077	0.82000
67	12.530	0.81119	0.21879	0.37200	0.91500
52	15.770	1.0194	0.26835	0.45046	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
67	22.691	1.5762	0.29597	0.67640	0.42200
67	14.590	0.96774	0.25474	0.43521	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	14.118	0.93593	0.24637	0.47090	0.56400
82	0.0217	0.53170	0.13999	0.23015	0.63500
92	15.093	1.0306	0.25330	0.44907	0.69200

ADDITIONAL PRESSURE RATIOS, EJECTOR SHIMM

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.700	0.97503	0.25666	0.43849	-1.0000
-112	14.600	0.97371	0.25631	0.43799	-1.0000
-122	14.940	0.99094	0.26085	0.44564	-1.0000
-127	15.350	0.99823	0.26277	0.44892	-1.0000
-137	15.123	1.0025	0.26390	0.45006	-1.0000
-142	15.090	1.0009	0.26266	0.45011	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD IMFT

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.700	0.97503	0.25666	0.43849	0.31900
112	14.600	0.97371	0.25631	0.43799	0.34000
122	14.940	0.99094	0.26085	0.44564	0.38600
127	15.350	0.99823	0.26277	0.44892	0.43400
137	15.123	1.0025	0.26390	0.45006	0.46100
-142	15.090	1.0009	0.26266	0.45011	1.0000
-152	15.120	1.0315	0.26266	0.45041	1.0000
-157	15.120	1.0315	0.26266	0.45041	1.0000

ADDITIONAL PRESSURE RATIOS, CAN WATTS PLIP

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
-152	15.100	1.0315	0.26266	0.45041	-1.0000
-157	15.100	1.0315	0.26266	0.45041	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHIMM LOCATION

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
167	14.700	0.99094	0.25806	0.44007	0.79300
172	13.600	0.92204	0.23507	0.40152	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHIMM LOCATION

AVD WORD	PL	PI/PN	PI/PTF	PI/PTP	X/DMAX
182	14.663	0.97205	0.25507	0.43715	0.79300
187	14.000	0.93304	0.24504	0.42001	0.84400

ADDITIONAL MEASURED THRUST PARAMETERS

RUN 37

MASS-LEWIS PRELIMINARY DATA 06/15/70 CANNON PFC 11/02/79 05:25:21.105 F4C 04601 PG# 0094 RFC 1960

ADDITIONAL PRESSURE RATIOS , PRIMARY MISS

AVD WOOD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
37	0.3984	0.67301	0.16406	0.27782	0.72200
37	17.779	1.1456	0.37163	0.51078	0.82000
47	17.657	0.83004	0.22005	0.37415	0.91000
47	15.771	1.0180	0.26831	0.45436	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOOD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
62	22.919	1.5187	0.30001	0.67721	0.42200
47	16.476	0.97287	0.25619	0.43383	0.89200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOOD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	12.632	0.83540	0.21099	0.37253	0.56400
92	11.714	0.75025	0.10757	0.33456	0.63700
92	15.106	1.0314	0.26369	0.44653	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WOOD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-157	14.776	0.97614	0.25706	0.43531	-1.0000
-117	14.701	0.97052	0.25662	0.43457	-1.0000
-127	14.946	0.99075	0.26000	0.44180	-1.0000
-127	15.066	0.99970	0.26299	0.44535	-1.0000
-137	14.116	1.0320	0.26386	0.44082	-1.0000
-162	15.106	1.0307	0.26351	0.44624	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WOOD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
137	14.776	0.97614	0.25706	0.43531	0.31900
117	14.701	0.97452	0.25662	0.43457	0.34000
127	14.946	0.99075	0.26000	0.44180	0.38000
127	15.066	0.99970	0.26299	0.44535	0.43000
137	14.116	1.0320	0.26386	0.44082	0.46100
-162	15.106	1.0307	0.26351	0.44624	1.0000
-152	15.101	1.0310	0.26360	0.44638	1.0000
-157	15.101	1.0310	0.26360	0.44638	1.0000

ADDITIONAL PRESSURE RATIOS , CAN WHISPER FLAP

AVD WOOD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-152	15.101	1.0310	0.26360	0.44638	-1.0000
-157	15.101	1.0310	0.26360	0.44638	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOOD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
167	14.746	0.99015	0.25811	0.43708	0.79300
172	17.452	0.99171	0.27482	0.39764	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WOOD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
187	14.691	0.97323	0.25627	0.43398	0.79300
187	16.122	0.93610	0.24651	0.41743	0.84400

ADDITIONAL MEASURED THROUST PARAMETERS

422

Run 37

DEC 1969

PCN 0936

FAC. 09481

DEC 11/02779 C4226556.201

CONDENSED

01/15/70

PRELIMINARY DATA

SAFETY/INMAY PRESSURE RATIOS, 0.01250 P.M.G.

AVZ WIND	PL	M/PN	M/PTF	M/PTP	X/DMAX
32	0.9206	0.50150	0.16407	0.27025	0.72200
37	14.238	1.0759	0.20835	0.59597	0.82333
47	11.870	0.78636	0.21000	0.36586	0.91900
52	15.278	1.0119	0.28063	0.47592	1.0170

SAFETY/INMAY PRESSURE RATIOS, 0.01250 P.M.G.

AVZ WIND	PL	M/PN	M/PTF	M/PTP	X/DMAX
62	21.745	1.4419	0.30000	0.67819	0.42200
67	14.750	0.67777	0.27117	0.45098	0.49200

SAFETY/INMAY PRESSURE RATIOS, 0.01250 P.M.G.

AVZ WIND	PL	M/PN	M/PTF	M/PTP	X/DMAX
77	13.326	0.88273	0.26481	0.41518	0.56400
82	7.0406	0.52665	0.16006	0.28770	0.63500
92	15.398	1.0003	0.27741	0.47047	0.69200

SAFETY/INMAY PRESSURE RATIOS, 0.01250 P.M.G.

AVZ WIND	PL	M/PN	M/PTF	M/PTP	X/DMAX
-107	14.714	0.97679	0.27024	0.45848	-1.0000
-112	14.689	0.97313	0.26988	0.45770	-1.0000
-122	14.943	0.90972	0.27457	0.46564	-1.0000
-127	15.368	0.90697	0.27650	0.46801	-1.0000
-137	15.113	1.0013	0.27760	0.47044	-1.0000
-142	15.103	1.0006	0.27751	0.47062	-1.0000

SAFETY/INMAY PRESSURE RATIOS, 0.01250 P.M.G.

AVZ WIND	PL	M/PN	M/PTF	M/PTP	X/DMAX
107	14.714	0.97679	0.27024	0.45848	0.31900
112	14.689	0.97313	0.26988	0.45770	0.34000
122	14.943	0.90972	0.27457	0.46564	0.38600
127	15.368	0.90697	0.27650	0.46801	0.43400
137	15.113	1.0013	0.27760	0.47044	0.46100
-142	15.103	1.0006	0.27751	0.47062	1.0000
-152	15.103	1.0006	0.27751	0.47062	1.0000

SAFETY/INMAY PRESSURE RATIOS, 0.01250 P.M.G.

AVZ WIND	PL	M/PN	M/PTF	M/PTP	X/DMAX
-152	15.103	1.0006	0.27751	0.47062	-1.0000
-157	15.103	1.0006	0.27751	0.47062	-1.0000

SAFETY/INMAY PRESSURE RATIOS, 0.01250 P.M.G.

AVZ WIND	PL	M/PN	M/PTF	M/PTP	X/DMAX
147	14.749	0.97975	0.27172	0.46081	0.70100
177	13.476	0.80267	0.26757	0.41095	0.84600

SAFETY/INMAY PRESSURE RATIOS, 0.01250 P.M.G.

AVZ WIND	PL	M/PN	M/PTF	M/PTP	X/DMAX
147	14.456	0.97091	0.26924	0.45461	0.70300
187	14.114	0.81595	0.26032	0.43079	0.84600

SOUTH AFRICAN AERIAL COMMISSION					
00999°0	96165°0	26622°0	18000°0	956°01	101
00000°0	96125°0	21112°0	25290°0	119°01	001
1000/1	210/10	210/10	00/10	10	0000 0000

[illegible]~~0000-1 12555-0 55122-0 60500-0 6611-51 751-
0000-1- 12775-0 55122-0 6000-1- 511-51 651-
XVdl/X dld/lb 1187-1 114-1 7d 60000 000~~[illegible][illegible]

	PL	ML	ML/BYF	ML/P/LP	PL
77	12.247	0.81206	7.26113	0.4431	0.56400
78	11.749	0.77798	0.27407	0.47455	0.63500
79	15.195	1.0707	0.32145	0.56885	0.64900

AVG. WIND	PL	M / MIN	M / HRS	PL / HRS	PL / MIN
52	10.151	1.26M	0.40779	0.64202	0.42209
67	14.796	0.07978	0.31504	0.53446	0.40208

UAV	USDP	Id	Md	Mt	Mt	Mt	Mt	Mt
22	9.163	0.40659	0.15056	0.7428	0.33102	0.00000	0.00000	0.00000
27	13.722	0.17623	0.24127	0.47164	0.36442	0.00000	0.00000	0.00000
29	10.785	0.066781	0.21475	0.36442	0.36442	0.00000	0.00000	0.00000
29	15.050	0.09969	0.32070	0.55690	0.55690	0.00000	0.00000	0.00000

UNCLASSIFIED * SOURCE DISCLOSED INDICATES

RUN 37

NACA-IEMIS PRELIMINARY DATA 36/15/74 CADDREI PFC 11/02/79 CS:20.70.516 FAC 97461 PCH C736 RUC 1051

ADDITIONAL PRESSURE RATIOS , PRIMARY MUG

AVD MORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
22	9.7413	0.57897	0.21158	0.35404	0.72200
27	11.552	0.76510	0.27867	0.46786	0.82000
67	15.643	1.0753	0.37470	0.62699	0.91403
52	15.535	1.0779	0.37531	0.62800	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD MORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	17.260	1.1432	0.41777	0.69905	0.42200
57	16.836	0.98262	0.35410	0.60087	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD MORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.926	0.78993	0.28869	0.48305	0.56400
82	12.151	0.87493	0.29412	0.49216	0.63500
92	15.116	1.0012	0.36587	0.61221	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR CHIMNEY

AVD MORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.621	0.96839	0.35399	0.59217	-1.0000
-112	14.571	0.95508	0.35269	0.59015	-1.0000
-122	14.976	0.98262	0.36810	0.60087	-1.0000
-127	14.936	0.98924	0.36152	0.60492	-1.0000
-137	14.996	0.99322	0.36297	0.60735	-1.0000
-142	15.111	1.0008	0.36575	0.61201	-1.0000

ADDITIONAL PRESSURE RATIOS , EXHAUST IMLET

AVD MORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.621	0.96839	0.35399	0.59217	0.31900
112	14.571	0.95508	0.35269	0.59015	0.34000
122	14.976	0.98262	0.36810	0.60087	0.38600
127	14.936	0.98924	0.36152	0.60492	0.34400
137	14.996	0.99322	0.36297	0.60735	0.46100
-142	15.111	1.0008	0.36575	0.61201	1.0000
152	15.111	1.0008	0.36575	0.61201	1.3000
6157	15.111	1.0008	0.36575	0.61201	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD MORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.111	1.0008	0.36575	0.61201	-1.0000
-157	15.111	1.0008	0.36575	0.61201	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHIPING LOCATION

AVD MORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
167	14.776	0.97865	0.35765	0.59845	0.79900
172	14.141	0.93661	0.34228	0.57274	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHIPING LOCATION

AVD MORN	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
187	14.745	0.98328	0.35934	0.60129	0.79300
197	14.771	0.98314	0.34833	0.58284	0.84400

SECTION 5 - MEASURED TURBINE PARAMETERS

425

ORIGINAL PAGE IS
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PRC 11/02/75 05:29:50 15015:62:50 15940 J03 904, 936 001 340

WASH-LENS DOCUMENTATION 76/15/79

[illegible]

AVR	WPP	PL	W/PO	W/PTE	PL/PTE	W/MAK
62	16.142	1.7685	0.42500	0.71561	0.42200	
47	14.848	0.94409	0.70217	0.68263	0.49200	

AVN	WPN	PL	PL/WN	PL/OFT	PL/PFP	E/DNAZ
77	12.769	0.84516	0.34407	0.54404	0.54404	0.54404
42	16.791	0.77912	0.70990	0.54404	0.54404	0.54404
02	15.143	1.0023	0.30442	0.54404	0.54404	0.54404

0000-1-	015197.0	540001.0	920201.0	001151.0	2471.0
0000-1-	240727.0	543001.0	920201.0	000151.0	2411.0
0000-1-	255727.0	007001.0	920201.0	000151.0	2211.0
0000-1-	151997.0	171001.0	002201.0	190151.0	2211.0
0000-1-	000727.0	053001.0	053001.0	195151.0	2211.0
0000-1-	111001.0	000001.0	007001.0	195151.0	2211.0
0000-1-	220727.0	111001.0	007001.0	195151.0	2211.0

[illegible]

0000-1	2514-0	0000-1	2514-0	0000-1	2514-0
0000-1	2514-0	0000-1	2514-0	0000-1	2514-0
0000-1	2514-0	0000-1	2514-0	0000-1	2514-0

DATE	TIME	LOCATION	WIND	WAVE	SEA
000000	000000	000000	000000	000000	000000
000000	000000	000000	000000	000000	000000
000000	000000	000000	000000	000000	000000

[illegible]

RUN 37

DEC 1973

PCN C036

FOR 9481

REC 11/02/79 05:30:57.164

LANOET

06/15/79

APPLIMAPY DATA

ADDITIONAL PRESSURE RATIOS - PRIMARY MIX

AVD WORN	PL	M / PN	M / PTF	PL / PTP	X / MAX
32	15.213	1.0075	0.67005	0.80853	0.72200
37	15.673	1.0787	0.65353	0.83296	0.82800
47	15.913	1.0672	0.69793	0.86040	0.91900
52	15.913	1.0161	0.64220	0.81396	1.0170

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVD WORN	PL	M / PN	PL / PTF	PL / PTP	X / MAX
62	15.958	1.0568	0.60250	0.84810	0.62200
67	16.003	0.99635	0.64899	0.79153	0.69200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.D.

AVD WORN	PL	M / PN	M / PTF	PL / PTP	X / MAX
77	16.143	1.0691	0.60932	0.85752	0.56400
82	16.066	0.93009	0.64723	0.76639	0.63900
87	15.133	1.0022	0.67653	0.80629	0.69200

ADDITIONAL PRESSURE RATIOS - SECTION THROUGH

AVD WORN	PL	M / PN	M / PTF	PL / PTP	X / MAX
107	16.629	0.96881	0.66064	0.77766	-1.0000
112	16.566	0.94991	0.65960	0.77600	-1.0000
117	16.519	0.93139	0.66662	0.77650	-1.0000
122	16.918	0.99600	0.66077	0.79296	-1.0000
127	16.918	0.99600	0.66077	0.79296	-1.0000
132	16.918	0.99600	0.66077	0.79296	-1.0000
137	16.918	0.99600	0.66077	0.79296	-1.0000
142	16.918	0.99600	0.66077	0.79296	-1.0000
147	16.918	0.99600	0.66077	0.79296	-1.0000
152	16.918	0.99600	0.66077	0.79296	-1.0000
157	16.918	0.99600	0.66077	0.79296	-1.0000

ADDITIONAL PRESSURE RATIOS - FURNACE INLET

AVD WORN	PL	M / PN	M / PTF	PL / PTP	X / MAX
107	16.629	0.96881	0.66064	0.77766	0.31920
112	16.566	0.94991	0.65960	0.77600	0.34900
117	16.519	0.93139	0.66662	0.77650	0.38600
122	16.918	0.99600	0.66077	0.79296	0.43400
127	16.918	0.99600	0.66077	0.79296	0.43400
132	16.918	0.99600	0.66077	0.79296	0.43400
137	16.918	0.99600	0.66077	0.79296	0.43400
142	16.918	0.99600	0.66077	0.79296	0.43400
147	16.918	0.99600	0.66077	0.79296	0.43400
152	16.918	0.99600	0.66077	0.79296	0.43400
157	16.918	0.99600	0.66077	0.79296	0.43400

ADDITIONAL PRESSURE RATIOS - FAN MOTOR FLOW

AVD WORN	PL	M / PN	M / PTF	PL / PTP	X / MAX
157	15.148	1.0732	1.47701	0.80508	-1.0000
162	15.148	1.0732	1.47701	0.80508	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 DEG SUPHEM INLETION

AVD WORN	PL	M / PN	M / PTF	PL / PTP	X / MAX
157	16.478	0.79796	0.66356	0.77650	0.79100
162	16.409	0.79796	0.66001	0.77650	0.86600

ADDITIONAL PRESSURE RATIOS - 40 DEG SUPHEM INLETION

AVD WORN	PL	M / PN	M / PTF	PL / PTP	X / MAX
162	16.973	0.99166	0.67150	0.79678	0.79300
167	16.566	0.97318	0.67307	0.77204	0.86600
172	16.566	0.97318	0.67307	0.77204	0.86600

VASA-1-FWIS PRELIMINARY DATA 04/15/79 CANNETT REC 11/02/79 05:41:39.191 FAC BRAY PCN 0936 DMS 1046

>ADDITIONAL PRESSURE RATIOS & FLOW CM ITPCP F.O.

	PL	M/PP	M/PTF	PL/PTP	X/PMAX
32	15.240	1.0100	0.55790	0.44475	0.72200
37	15.395	1.0170	0.56175	0.45126	0.82800
47	15.435	1.0202	0.56765	0.45632	0.91900
52	15.205	1.0251	0.55526	0.44012	1.0170

>ADDITIONAL PRESSURE RATIOS & FLOW CM ITPCP F.O.

	PL	M/PP	M/PTF	PL/PTP	X/PMAX
52	15.465	1.0223	0.56476	0.45610	0.42200
67	15.405	0.99520	0.54431	0.42150	0.69200

>ADDITIONAL PRESSURE RATIOS & SECTION FLOW

	PL	M/PP	M/PTF	PL/PTP	X/PMAX
77	15.070	0.99610	0.54033	0.43170	0.56400
92	13.432	0.80705	0.48049	0.43065	0.63500
97	15.155	1.0010	0.55263	0.43703	0.69200

>ADDITIONAL PRESSURE RATIOS & FREQUENCY INF

	PL	M/PP	M/PTF	PL/PTP	X/PMAX
107	15.621	0.96466	0.53172	0.48197	-1.0000
112	15.561	0.95769	0.53172	0.49027	-1.0000
117	15.416	0.97936	0.54103	0.49102	-1.0000
122	15.410	0.97045	0.54103	0.49102	-1.0000
127	15.410	0.99561	0.54469	0.49210	-1.0000
137	15.460	0.99801	0.54437	0.49250	-1.0000
142	15.145	1.0011	0.55307	0.49361	-1.0000

>ADDITIONAL PRESSURE RATIOS & CAN WEIGHT FLOW

	PL	M/PP	M/PTF	PL/PTP	X/PMAX
152	15.145	1.0011	0.55307	0.49361	1.0000
157	15.145	1.0011	0.55307	0.49361	1.0000
162	15.145	1.0011	0.55307	0.49361	1.0000
167	15.463	0.99901	0.56337	0.49490	0.46100
172	15.410	0.99561	0.54469	0.49210	0.43400
177	15.416	0.97936	0.54103	0.49102	0.38600
182	15.561	0.95769	0.53172	0.49027	0.34000
187	15.621	0.96466	0.53191	0.49097	0.31900
192	15.421	0.96466	0.53191	0.49097	0.31900

>ADDITIONAL PRESSURE RATIOS & 20 DEG SLOPE INCLINATION

	PL	M/PP	M/PTF	PL/PTP	X/PMAX
197	15.145	1.0011	0.55307	0.49361	1.0000
202	15.145	1.0011	0.55307	0.49361	1.0000

>ADDITIONAL PRESSURE RATIOS & 40 DEG SLOPE INCLINATION

	PL	M/PP	M/PTF	PL/PTP	X/PMAX
207	15.706	0.97736	0.54091	0.49167	0.79300
212	15.525	0.96710	0.53066	0.49311	0.84600

>ADDITIONAL PRESSURE RATIOS & 60 DEG SLOPE INCLINATION

	PL	M/PP	M/PTF	PL/PTP	X/PMAX
217	15.715	0.98506	0.54667	0.49220	0.79300
222	15.456	0.96622	0.52825	0.49460	0.84600
227	15.456	0.96622	0.52825	0.49460	0.84600

RUN 37

RUN 37
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WASA-LEWIS PRELIMINARY DATA 06/15/79 CADDIST REC 11/22/79 05:32:11.376

FAC 01611

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ADDITIONAL PRESSURE RATIOS , PRIMARY PUMP

AVD WORD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
37	15.273	1.0117	0.56107	0.94682	0.72700
37	15.373	1.0176	0.56474	0.95302	0.82000
47	15.479	1.0199	0.56607	0.95510	0.91900
52	15.178	1.0047	0.55758	0.94094	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
52	15.452	1.0229	0.56748	0.95797	0.42200
57	14.938	0.98681	0.54157	0.92421	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
77	15.078	0.99475	0.55708	0.93164	0.56400
82	13.474	0.89725	0.49242	0.83997	0.63500
82	15.133	1.0117	0.55593	0.93815	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
-127	14.528	0.96679	0.53629	0.90501	-1.0000
-112	14.538	0.96234	0.53409	0.90129	-1.0000
-127	14.798	0.97953	0.54362	0.91740	-1.0000
-127	14.898	0.98615	0.54730	0.92359	-1.0000
-127	14.958	0.99012	0.54951	0.92731	-1.0000
-162	15.143	1.0074	0.55620	0.93877	-1.9900

ADDITIONAL PRESSURE RATIOS , EJECTOR IMET

AVD WORD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
107	14.528	0.96630	0.53629	0.90501	0.31900
112	14.538	0.96234	0.53409	0.90129	0.34000
127	14.798	0.97953	0.54362	0.91740	0.38600
127	14.898	0.98615	0.54730	0.92359	0.43400
127	14.958	0.99012	0.54951	0.92731	0.46100
-162	15.143	1.0074	0.55620	0.93877	1.0000
-162	15.144	1.0027	0.5511	0.93498	1.0000
-162	15.153	1.0030	0.5511	0.93877	1.9900

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
-152	15.143	1.0077	0.55667	0.93808	-1.0000
-157	15.153	1.0030	0.55667	0.93808	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
167	14.768	0.97755	0.54253	0.91554	0.79300
172	14.538	0.96234	0.53409	0.90129	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PI/PD	PI/PTE	PI/PTP	X/DMAX
182	14.018	0.98767	0.54804	0.92483	0.79300
187	14.458	0.95704	0.53115	0.89623	0.84400

ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

PUN 37

ENG 1056

PCP 004

FAC 0041

SEC 11/02/79 05:33:50.097

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ADDITIONAL PRESSURE RATINGS, 20 DEG SLANT INCLINATION

AVG WIND	PL	W/PN	W/PTE	W/PTR	W/PMAT
37	15.105	1.0761	0.4786	0.8055	0.72200
37	16.443	1.0762	0.4786	0.8055	0.72200
57	15.705	1.0459	0.4047	0.83527	0.91000
57	15.300	1.0130	0.4024	0.80410	1.0170

ADDITIONAL PRESSURE RATINGS, 20 DEG SLANT INCLINATION

AVG WIND	PL	W/PN	W/PTE	W/PTR	W/PMAT
62	15.930	1.0567	0.50273	0.86240	0.42200
57	16.035	0.9888	0.47135	0.78091	0.65200

ADDITIONAL PRESSURE RATINGS, 20 DEG SLANT INCLINATION

AVG WIND	PL	W/PN	W/PTE	W/PTR	W/PMAT
77	16.225	1.0762	0.51203	0.85744	0.50400
82	16.716	0.9799	0.46232	0.76118	0.63500
92	15.140	1.0726	0.47781	0.80945	0.69200

ADDITIONAL PRESSURE RATINGS, 20 DEG SLANT INCLINATION

AVG WIND	PL	W/PN	W/PTE	W/PTR	W/PMAT
-107	16.625	0.95837	0.46152	0.77343	-1.0000
-117	16.570	0.95837	0.46152	0.77343	-1.0000
-122	16.925	0.95837	0.46152	0.77343	-1.0000
-127	16.920	0.95837	0.46152	0.77343	-1.0000
-137	16.920	0.95837	0.46152	0.77343	-1.0000
-142	16.920	0.95837	0.46152	0.77343	-1.0000
-152	15.145	1.0028	0.47787	0.80091	-1.0000

ADDITIONAL PRESSURE RATINGS, 20 DEG SLANT INCLINATION

AVG WIND	PL	W/PN	W/PTE	W/PTR	W/PMAT
137	16.625	0.95837	0.46152	0.77343	0.31000
142	16.570	0.95837	0.46152	0.77343	0.31000
147	16.925	0.95837	0.46152	0.77343	0.31000
152	16.920	0.95837	0.46152	0.77343	0.31000
157	16.920	0.95837	0.46152	0.77343	0.31000
162	16.920	0.95837	0.46152	0.77343	0.31000
167	16.920	0.95837	0.46152	0.77343	0.31000
172	15.145	1.0028	0.47787	0.80091	0.31000
177	15.145	1.0028	0.47787	0.80091	0.31000

ADDITIONAL PRESSURE RATINGS, 20 DEG SLANT INCLINATION

AVG WIND	PL	W/PN	W/PTE	W/PTR	W/PMAT
-152	15.135	1.0021	0.47787	0.80091	-1.0000
-157	15.135	1.0021	0.47787	0.80091	-1.0000

ADDITIONAL PRESSURE RATINGS, 20 DEG SLANT INCLINATION

AVG WIND	PL	W/PN	W/PTE	W/PTR	W/PMAT
167	16.780	0.9799	0.46240	0.78162	0.79700
170	16.535	0.96630	0.46240	0.77182	0.84400

ADDITIONAL PRESSURE RATINGS, 20 DEG SLANT INCLINATION

AVG WIND	PL	W/PN	W/PTE	W/PTR	W/PMAT
182	16.067	0.95837	0.46152	0.76118	0.79700
187	16.535	0.96630	0.46240	0.77182	0.84400

ADDITIONAL PRESSURE RATINGS, 20 DEG SLANT INCLINATION

AVG WIND	PL	W/PN	W/PTE	W/PTR	W/PMAT
192	16.067	0.95837	0.46152	0.76118	0.79700
197	16.535	0.96630	0.46240	0.77182	0.84400

RUN 37

WASA-1 FIVE SECONDARY DATA 04/15/79 000011 PFC 11/02/79 05174130.796 FAS 01411 PGM 0034 DPG 1957

ADDITIONAL PRESSURE RATIOS, PRIMARY MUG

AVG WORN	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
37	15.251	1.0109	0.55777	0.94757	0.72200
37	15.351	1.0175	0.56138	0.95176	0.82000
47	15.401	1.0239	0.56321	0.95689	0.51900
52	15.171	1.0055	0.55480	0.94260	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVG WORN	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	15.416	1.0218	0.56775	0.95797	0.42200
67	14.951	0.99396	0.56675	0.92946	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVG WORN	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	15.026	0.99503	0.56949	0.93350	0.56400
82	13.491	0.80429	0.40736	0.83023	0.63500
92	15.116	1.0019	0.55278	0.93010	0.69200

ADDITIONAL PRESSURE RATIOS, EXHAUST MUG

AVG WORN	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	14.571	0.96577	0.53286	0.90533	-1.0000
-112	14.511	0.96197	0.53066	0.90160	-1.0000
-122	14.776	0.97936	0.54035	0.91806	-1.0000
-127	14.876	0.98509	0.54401	0.92478	-1.0000
-137	14.931	0.99063	0.54602	0.92769	-1.0000
-152	15.121	1.0022	0.55207	0.93050	-1.0000

ADDITIONAL PRESSURE RATIOS, EXHAUST INLET

AVG WORN	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	14.571	0.96577	0.53286	0.90533	0.31900
112	14.511	0.96197	0.53066	0.90160	0.34000
122	14.776	0.97936	0.54035	0.91806	0.38600
127	14.876	0.98509	0.54401	0.92478	0.43400
137	14.931	0.99063	0.54602	0.92769	0.46100
-140	14.121	0.9022	0.44297	0.83940	-1.0000
-152	15.121	1.0022	0.55207	0.93050	-1.0000
-157	15.121	1.0022	0.55207	0.93050	-1.0000

ADDITIONAL PRESSURE RATIOS, TAN NOZZLE FLAR

AVG WORN	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.121	1.0022	0.55207	0.93050	-1.0000
-157	15.121	1.0022	0.55207	0.93050	-1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVG WORN	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	14.741	0.97706	0.53607	0.91589	0.79300
172	14.606	0.96082	0.53011	0.90067	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVG WORN	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
192	14.981	0.98672	0.54410	0.92450	0.79300
197	14.671	0.95649	0.52776	0.89663	0.84400

ADDITIONAL MEASURED THRUST PARAMETERS

0561 500 966J 226

12980 253

64/20/11 JSM

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04/51/70

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DATE 08-26-2010 BY 60322 UCBAW

RUN 37

WASA-LEWIS PRELIMINARY DATA 06/15/79 CENOFFII REC 11/02/79 05:38:21.069

FAC RXAKI

PCN C034

PGC 1559

ADDITIONAL PRESSURE RATIOS , PRIMARY MUG

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
22	14.025	0.98830	0.47207	0.67782	0.72200
27	15.810	1.0476	0.50376	0.71844	0.82000
47	16.049	1.0642	0.50226	0.72979	0.91000
52	15.479	1.0205	0.48740	0.69983	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	16.679	1.1045	0.52754	0.75747	0.42700
67	16.099	0.90793	0.47381	0.68031	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	15.954	1.0566	0.50462	0.72456	0.54400
82	16.130	0.93577	0.44694	0.64173	0.63500
92	15.125	1.0016	0.47839	0.68689	0.69700

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.675	0.96721	0.46195	0.66329	-1.0000
-112	14.550	0.96397	0.46021	0.66079	-1.0000
-122	14.795	0.97979	0.46796	0.67191	-1.0000
-127	14.895	0.98661	0.47112	0.67645	-1.0000
-137	14.655	0.99039	0.47302	0.67918	-1.0000
-142	15.115	1.0010	0.47807	0.68644	-1.0000

ADDITIONAL PRESSURE RATIOS , EXHAUST IMLET

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.675	0.96721	0.46195	0.66329	0.31000
112	14.550	0.96397	0.46021	0.66079	0.34000
122	14.795	0.97979	0.46796	0.67191	0.38600
127	14.895	0.98661	0.47112	0.67645	0.43400
137	14.655	0.99039	0.47302	0.67918	0.46100
-142	15.115	1.0010	0.47807	0.68644	1.0000
-152	15.110	1.0006	0.47791	0.68621	1.0000
-157	15.115	1.0010	0.47807	0.68644	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.110	1.0006	0.47791	0.68621	-1.0000
-157	15.115	1.0010	0.47807	0.68644	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
147	14.740	0.97767	0.46685	0.67033	0.79300
172	14.695	0.97251	0.46449	0.66697	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	15.375	0.97369	0.47460	0.68145	0.79300
197	14.595	0.96655	0.46144	0.66284	0.84400

ADDITIONAL PRESSURE RATIOS , 60 DEG SHROUD LOCATION

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RUN 37

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EAC MEAL

REF 11/02/76 05:20:15.209

CANDEE

06/15/70

PRELIMINARY DATA 06/15/70

ADDITIONAL PRESSURE RATIOS - PRIMARY PLING

AVN WORN	PI	M/PM	PL/PTP	PL/PTP	X/PMAX
32	0.4500	0.46124	0.22446	0.32603	0.72200
37	15.736	1.0438	0.41747	0.60637	0.42000
47	16.308	1.0850	0.43430	0.63042	0.91000
52	15.519	1.3206	0.41177	0.50090	1.3170

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 1.D.

AVN WORN	PI	M/PM	PL/PTP	PL/PTP	X/PMAX
62	17.877	1.1960	0.47632	0.60894	0.42200
67	14.005	0.90412	0.30759	0.57750	0.49200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER 2.D.

AVN WORN	PI	M/PM	PL/PTP	PL/PTP	X/PMAX
77	12.542	0.83207	0.39278	0.48336	0.56400
82	14.955	0.99213	0.30680	0.57634	0.63500
92	15.070	0.99975	0.39984	0.50077	0.69200

ADDITIONAL PRESSURE RATIOS - EJECTION SHROUD

AVN WORN	PI	M/PM	PL/PTP	PL/PTP	X/PMAX
-107	14.555	0.90562	0.38619	0.6094	-1.0000
-112	14.490	0.91137	0.38447	0.55844	-1.0000
-122	14.755	0.92008	0.39450	0.56864	-1.0000
-127	14.555	0.88450	0.38614	0.42249	-1.0000
-137	14.910	0.90915	0.39560	0.57651	-1.0000
-142	15.765	0.99042	0.39071	0.58058	-1.0000

ADDITIONAL PRESSURE RATIOS - EJECTION IMPLY

AVN WORN	PI	M/PM	PL/PTP	PL/PTP	X/PMAX
127	14.555	0.90562	0.38619	0.56094	0.31900
112	14.490	0.91137	0.38447	0.55844	0.34000
122	14.755	0.92008	0.39150	0.56864	0.34000
127	14.855	0.98550	0.30615	0.57249	0.43400
137	14.910	0.90915	0.39560	0.57651	0.44100
-147	14.909	0.90909	0.39071	0.58058	0.49000
-152	15.065	0.90042	0.39071	0.58058	0.50000
-157	15.308	0.90000	0.39071	0.58058	0.50000

ADDITIONAL PRESSURE RATIOS - EAM NOZZLE 600

AVN WORN	PI	M/PM	PL/PTP	PL/PTP	X/PMAX
-142	15.265	0.95042	0.38071	0.58258	-1.0000
-157	15.010	0.90000	0.39071	0.58058	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 DEG SHROUD INJECTION

AVN WORN	PI	M/PM	PL/PTP	PL/PTP	X/PMAX
157	14.715	0.97623	0.39044	0.56710	0.79300
172	14.435	0.95767	0.38101	0.55637	0.84400

ADDITIONAL PRESSURE RATIOS - 40 DEG SHROUD INJECTION

AVN WORN	PI	M/PM	PL/PTP	PL/PTP	X/PMAX
152	14.910	0.90015	0.39071	0.57461	0.75900
167	14.577	0.94108	0.38674	0.55893	0.84400

ADDITIONAL PRESSURE RATIOS - 60 DEG SHROUD INJECTION

RUN 37
DEC 1961

NASA-Lewis PRELIMINARY DATA 04/15/70 CARDELL REC 11/02/70 05:40:04.051

FAC REVER

PCN 0034

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	0.0000	0.40279	0.21050	0.32239	0.72200
37	12.780	0.87094	0.29993	0.43906	0.82000
47	14.749	0.97805	0.25614	0.52209	0.91000
52	15.449	1.0271	0.37400	0.54092	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
F2	19.786	1.2856	0.46812	0.68756	0.42200
67	15.024	0.99628	0.36278	0.53284	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	11.495	0.76227	0.27757	0.40768	0.58400
82	12.965	0.85972	0.31306	0.45081	0.63500
92	15.079	0.99992	0.36411	0.53479	0.69200

ADDITIONAL PRESSURE RATIOS , EXHAUST SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.584	0.96711	0.35214	0.51724	-1.0000
-112	14.529	0.96347	0.35087	0.51529	-1.0000
-122	14.784	0.98737	0.35499	0.52433	-1.0000
-127	14.894	0.98766	0.35064	0.52823	-1.0000
-137	14.954	0.99164	0.36109	0.53036	-1.0000
-142	15.084	1.0009	0.36423	0.53496	-1.0000

ADDITIONAL PRESSURE RATIOS , EXHAUST IMPLY

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
137	14.584	0.96711	0.35214	0.51724	0.31900
112	14.529	0.96347	0.35087	0.51529	0.34000
122	14.784	0.98737	0.35499	0.52433	0.38600
127	14.894	0.98766	0.35064	0.52823	0.43400
137	14.954	0.99164	0.36109	0.53036	0.46100
-142	15.084	1.0009	0.36423	0.53496	1.0000
-152	15.094	1.0000	0.36447	0.53532	1.0000
-157	15.089	1.0012	0.36450	0.53550	1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.094	1.0000	0.36447	0.53532	-1.0000
-157	15.089	1.0012	0.36450	0.53550	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
147	14.774	0.97705	0.35574	0.52256	0.79300
172	17.969	0.92635	0.23732	0.49544	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.759	0.97871	0.35438	0.52244	0.79200
187	14.284	0.94723	0.34402	0.50660	0.84400

SECTION 5 , MEASURED THRUST PARAMETERS

435

RUN 37

NASA-LEWIS PRELIMINARY DATA 06/15/79 CANDELL PFC 11/02/79 05:40:55.457

FAC R46V1 PGM C934 PGC 1062

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
32	0.4723	0.62907	0.20215	0.29841	0.72200
37	14.512	0.96361	0.31118	0.45711	0.82000
47	10.642	0.79675	0.22023	0.33526	0.91900
52	15.104	1.0031	0.32393	0.47584	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
E2	21.599	1.4344	0.46321	0.68043	0.42200
E7	15.069	1.0008	0.32318	0.47474	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	12.056	0.80068	0.25857	0.37982	0.56400
P2	12.271	0.81495	0.26317	0.38659	0.63500
92	15.974	1.0011	0.32329	0.47489	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	14.620	0.97091	0.31354	0.46057	-1.0000
-112	14.575	0.96793	0.31258	0.45915	-1.0000
-127	14.940	0.98551	0.31826	0.46750	-1.0000
-127	14.955	0.99314	0.32072	0.47117	-1.0000
-137	15.009	0.99679	0.32190	0.47285	-1.0000
-142	15.974	1.0011	0.32329	0.47489	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.620	0.97091	0.31354	0.46057	0.31900
112	14.575	0.96793	0.31258	0.45915	0.34000
127	14.860	0.98551	0.31826	0.46750	0.38600
127	14.955	0.99314	0.32072	0.47112	0.43400
137	15.009	0.99679	0.32190	0.47285	0.46100
-142	15.974	1.0011	0.32329	0.47489	1.0000
-152	15.974	1.0011	0.32329	0.47489	-1.0000
-157	15.969	1.0008	0.32318	0.47474	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-157	15.974	1.0011	0.32329	0.47489	-1.0000
-157	15.969	1.0008	0.32318	0.47474	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
167	14.730	0.97821	0.31590	0.46403	0.79300
172	13.963	0.91915	0.29682	0.43692	0.84400

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
182	14.563	0.96693	0.31225	0.45868	0.79300
187	14.730	0.97821	0.31590	0.46403	0.84400

>OPTION 4 : MEASURED THRUST PARAMETERS

NASA-Lewis PRELIMINARY DATA 06/15/79 CANNON PER 11/02/79 05:40:55.457

FAR 056V1

PG# 1334

PG# 1062

RUN 37

ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
32	0.4723	0.62907	0.20315	0.29841	0.72200
37	14.513	0.94341	0.31118	0.45711	0.82000
47	15.442	0.77675	0.22823	0.23526	0.91000
57	15.106	1.0031	0.32393	0.47584	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED I.O.

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
42	21.599	1.4344	0.46321	0.60043	0.42200
47	15.049	1.0008	0.32318	0.47474	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTED O.O.

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	12.056	0.90068	0.25857	0.37982	0.56400
82	12.271	0.81495	0.26317	0.38656	0.63500
92	15.074	1.0011	0.32379	0.47489	0.69200

ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUN

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	14.620	0.97091	0.31354	0.44057	-1.0000
-112	14.575	0.96793	0.31258	0.45915	-1.0000
-127	14.940	0.98441	0.31826	0.46750	-1.0000
-127	14.955	0.99314	0.32077	0.47117	-1.0000
-137	14.009	0.99679	0.32190	0.47285	-1.0000
-142	15.074	1.0011	0.32379	0.47489	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.620	0.97091	0.31354	0.44057	0.31900
112	14.575	0.96793	0.31258	0.45915	0.34000
127	14.843	0.99551	0.31826	0.46750	0.38600
127	14.955	0.99314	0.32077	0.47117	0.43400
137	15.079	0.99679	0.32190	0.47285	0.46100
-142	15.074	1.0011	0.32379	0.47489	-1.0000
-152	15.074	1.0011	0.32379	0.47489	-1.0000
-157	15.049	1.0008	0.32318	0.47474	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLOW

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-152	15.074	1.0011	0.32379	0.47489	-1.0000
-157	15.049	1.0008	0.32318	0.47474	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUN LOCATION

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
167	14.720	0.97821	0.31590	0.44403	0.79300
172	15.943	0.91915	0.29882	0.43622	0.84400

ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUN LOCATION

AVN WORD	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
182	14.551	0.96693	0.31225	0.45868	0.79300
187	14.720	0.97977	0.30625	0.44105	0.84400

ADDITIONAL MEASURED THRUST PARAMETERS

ORIGINAL PAGE IS
OF POOR QUALITY

437

RUN 37

09C 1963

PCN 0034

FAC 0041

DEC 11/02/79 05:42:56.130

CARDSET

04/15/70

PRELIMINARY DATA

ADDITIONAL PRESSURE RATIOS - PRIMARY PLUG

AVG WORN	PL	PL/PN	PL/PTE	PL/PDP	K/DMAX
32	13.414	0.69134	0.19145	0.27773	0.72200
37	14.162	0.73403	0.23403	0.40363	0.82000
47	12.758	0.84688	0.23464	0.33972	0.91900
52	15.275	1.0140	0.28094	0.40676	1.0170

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER L.O.

AVG WORN	PL	PL/PN	PL/PTE	PL/PDP	K/DMAX
42	25.393	1.5850	0.44685	0.67553	0.42200
47	15.155	1.3060	0.27876	0.40357	0.69200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER R.D.

AVG WORN	PL	PL/PN	PL/PTE	PL/PDP	K/DMAX
77	13.962	0.92679	0.25678	0.37178	0.56500
82	8.5357	0.56461	0.15498	0.22730	0.63500
87	15.066	1.0901	0.27700	0.40114	0.69200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER R.D.

AVG WORN	PL	PL/PN	PL/PTE	PL/PDP	K/DMAX
-107	14.641	0.97454	0.27001	0.39094	-1.0000
-112	14.651	0.97294	0.26926	0.39014	-1.0000
-122	14.906	0.98966	0.27415	0.39692	-1.0000
-127	15.031	0.99775	0.27644	0.40025	-1.0000
-137	15.096	1.0014	0.27765	0.40171	-1.0000
-142	15.076	1.0007	0.27777	0.40164	-1.0000

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER R.D.

AVG WORN	PL	PL/PN	PL/PTE	PL/PDP	K/DMAX
107	14.681	0.97454	0.27001	0.39094	0.31400
117	14.651	0.97294	0.26926	0.39014	0.34000
127	14.906	0.98966	0.27415	0.39692	0.38400
137	15.031	0.99775	0.27644	0.40025	0.43400
147	15.096	1.0014	0.27765	0.40171	0.46100
152	15.021	1.0001	0.27777	0.40164	0.46100
157	15.076	1.0007	0.27777	0.40164	0.46100

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER R.D.

AVG WORN	PL	PL/PN	PL/PTE	PL/PDP	K/DMAX
-152	15.071	1.0005	0.27777	0.40164	-1.0000
-157	15.076	1.0007	0.27777	0.40164	-1.0000

ADDITIONAL PRESSURE RATIOS - 20 NEG SPLITTER LOCATION

AVG WORN	PL	PL/PN	PL/PTE	PL/PDP	K/DMAX
167	14.771	0.99051	0.27167	0.39333	0.74300
177	13.952	0.91950	0.25476	0.36986	0.84400

ADDITIONAL PRESSURE RATIOS - 40 NEG SPLITTER LOCATION

AVG WORN	PL	PL/PN	PL/PTE	PL/PDP	K/DMAX
187	14.721	0.97719	0.27075	0.39200	0.74300
197	14.221	0.94606	0.26156	0.37870	0.84400

ADDITIONAL PRESSURE RATIOS - 60 NEG SPLITTER LOCATION

RUN 37

04/15/79

PCP 0836

04/15/79

04:43:04.307

CARFELL

04/15/79

PRELIMINARY DATA

ADDITIONAL PRESSURE RATIOS - PRIMARY MUG

AVG WPOD	PI	PL/PO	PL/PTE	PL/PTP	PL/DMAX
32	10.947	0.72600	0.10173	0.27922	0.72200
37	10.291	1.2131	0.25037	0.46499	0.82000
57	13.660	2.90464	0.23899	0.34468	0.91900
52	15.099	1.0714	0.26444	0.38376	1.0170

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER L.O.

AVG WPOD	PI	PL/PO	PL/PTE	PL/PTP	PL/DMAX
62	26.530	1.7595	0.56486	0.67628	0.42200
67	15.744	1.0110	0.76699	0.38745	0.69700

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER C.O.

AVG WPOD	PI	PL/PO	PL/PTE	PL/PTP	PL/DMAX
77	14.679	0.97357	0.25711	0.37310	0.56400
82	11.486	0.74160	0.20119	0.29194	0.63500
92	15.099	1.0914	0.26444	0.38376	0.69200

ADDITIONAL PRESSURE RATIOS - EJECTION SUMOUD

AVG WPOD	PI	PL/PO	PL/PTE	PL/PTP	PL/DMAX
107	14.729	0.97689	0.25709	0.37437	-1.00000
112	14.704	0.97822	0.25754	0.37373	-1.00000
122	14.069	0.99778	0.26418	0.38046	-1.00000
127	15.078	1.0001	0.26411	0.38326	-1.00000
137	15.174	1.0031	0.26488	0.38420	-1.00000
143	15.109	1.0031	0.26463	0.38402	-1.00000

ADDITIONAL PRESSURE RATIOS - FINDERBY IMLET

AVG WPOD	PI	PL/PO	PL/PTE	PL/PTP	PL/DMAX
107	14.729	0.97689	0.25709	0.37437	0.31900
112	14.704	0.97822	0.25754	0.37373	0.34800
122	14.069	0.99778	0.26418	0.38046	0.38499
127	15.078	1.0001	0.26411	0.38326	0.43400
137	15.174	1.0031	0.26488	0.38420	0.46100
143	15.109	1.0031	0.26463	0.38402	0.49900
153	15.144	1.0017	0.26406	0.38389	-1.00000

ADDITIONAL PRESSURE RATIOS - FAN-WALLS-FLAS

AVG WPOD	PI	PL/PO	PL/PTE	PL/PTP	PL/DMAX
157	15.104	1.0017	0.26406	0.38389	-1.00000
167	15.134	1.0017	0.26456	0.38389	-1.00000

ADDITIONAL PRESSURE RATIOS - 20 DEG SHIPWIM INJECTION

AVG WPOD	PI	PL/PO	PL/PTE	PL/PTP	PL/DMAX
177	14.704	0.98119	0.25612	0.37602	0.79300
187	13.975	0.99686	0.26477	0.38519	0.84400

ADDITIONAL PRESSURE RATIOS - 80 DEG SHIPWIM INJECTION

AVG WPOD	PI	PL/PO	PL/PTE	PL/PTP	PL/DMAX
197	14.796	0.98752	0.25904	0.37576	0.79300
207	14.743	0.96579	0.26276	0.38263	0.84400

RUN 37

MASS-10MIS PRELIMINARY DATA 06/15/79 CROCFIT DEC 11/02/79 05:43:25.552

FAC 986X1 PCP 0036 DEC 1965

ADDITIONAL PRESSURE RATIOS , PRIMARY NOISE

AVN WOPD	PL	PI/PI	PI/PTF	PI/PTP	X/DMAX
32	10.911	0.72263	0.19157	0.27782	0.72260
47	10.200	1.2119	0.32130	0.46596	0.92000
47	17.636	0.90297	0.23938	0.34715	0.91989
52	15.117	1.0012	0.26543	0.38492	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVN WOPD	PL	PI/PI	PI/PTF	PI/PTP	X/DMAX
62	26.480	1.7570	0.46495	0.67476	0.42200
67	15.322	1.3140	0.26003	0.39015	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVN WOPD	PL	PI/PI	PI/PTF	PI/PTP	X/DMAX
77	14.683	0.97266	0.25780	0.37387	0.56400
82	11.675	0.77324	0.20503	0.29729	0.63500
92	15.107	1.0776	0.26576	0.38668	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER

AVN WOPD	PL	PI/PI	PI/PTF	PI/PTP	X/DMAX
-107	14.723	0.97509	0.25850	0.37488	-1.0000
-112	14.698	0.97363	0.25807	0.37425	-1.0000
-122	14.957	0.99066	0.26263	0.38086	-1.0000
-127	15.077	0.99898	0.26473	0.38391	-1.0000
-137	15.137	1.0025	0.26578	0.38580	-1.0000
-147	15.117	1.0012	0.26543	0.38493	-1.0000

ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVN WOPD	PL	PI/PI	PI/PTF	PI/PTP	X/DMAX
107	14.723	0.97509	0.25850	0.37488	0.31400
112	14.698	0.97363	0.25807	0.37425	0.34000
122	14.957	0.99066	0.26263	0.38086	0.38600
127	15.077	0.99898	0.26473	0.38391	0.43400
137	15.137	1.0025	0.26578	0.38580	0.46100
147	15.117	1.0012	0.26543	0.38493	1.0000
152	15.117	1.0012	0.26543	0.38493	1.7520
157	15.117	1.0012	0.26543	0.38493	-1.0000

ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVN WOPD	PL	PI/PI	PI/PTF	PI/PTP	X/DMAX
-152	15.117	1.0012	0.26543	0.38493	-1.0000
-157	15.117	1.0012	0.26543	0.38493	1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVN WOPD	PL	PI/PI	PI/PTF	PI/PTP	X/DMAX
167	14.790	0.99705	0.25802	0.37670	0.70300
172	13.073	0.97546	0.24535	0.35580	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVN WOPD	PL	PI/PI	PI/PTF	PI/PTP	X/DMAX
107	14.788	0.97930	0.25866	0.37656	0.70300
107	14.778	0.96566	0.25070	0.36756	0.84400

ADDITIONAL MEASURED THROUST PARAMETERS

440

RLIN 37

NASA-LEWIS PRELIMINARY DATA 06/15/79 CADDILLAC REF 11/02/79 05:44:10.PRS

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SECTIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WOPN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
32	10.415	0.69127	0.15174	0.27707	0.72200
37	18.117	1.70271	0.23245	0.49183	0.82000
47	12.979	0.85167	0.27617	0.34126	0.91903
52	15.276	1.0120	0.29127	0.40677	1.0170

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOPN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
62	25.329	1.6911	0.46639	0.67290	3.42200
67	15.381	1.0209	0.29216	0.40516	0.69200

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WOPN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
77	14.047	0.93232	0.25861	0.37349	0.56400
92	8.5665	0.56856	0.15771	0.22789	0.63503
97	15.071	1.0003	0.27745	0.40093	0.69200

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOPN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-107	14.697	0.97475	0.27037	0.39069	-1.0000
-117	14.657	0.97274	0.26987	0.38990	-1.0000
-127	14.901	0.99920	0.27477	0.39641	-1.0070
-127	15.016	0.99667	0.27644	0.39546	-1.0000
-137	15.076	1.0006	0.27755	0.40106	-1.0000
-147	15.071	1.0003	0.27745	0.40093	-1.0000

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOPN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
107	14.697	0.97475	0.27037	0.39069	0.31900
117	14.657	0.97274	0.26987	0.38990	0.34000
127	14.901	0.99920	0.27477	0.39641	0.39600
127	15.016	0.99667	0.27644	0.39546	0.43400
137	15.076	1.0006	0.27755	0.40106	0.46100
-147	15.071	1.0003	0.27745	0.40093	-1.0000
-157	15.071	1.0003	0.27745	0.40093	-1.0000

SECTIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WOPN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
-157	15.221	1.0003	0.27745	0.40093	-1.0000
-157	15.071	1.0003	0.27745	0.40093	-1.0000

SECTIONAL PRESSURE RATIOS, 20 DEG SHOWN LOCATION

AVD WOPN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
167	14.767	0.98005	0.27185	0.39287	0.79300
177	17.862	0.92005	0.25520	0.36877	0.84400

SECTIONAL PRESSURE RATIOS, 30 DEG SHOWN LOCATION

AVD WOPN	PL	PL/PN	PL/PTF	PL/PTP	X/DMAX
187	14.727	0.97760	0.27111	0.39176	0.79300
197	14.727	0.94425	0.26197	0.37847	0.84400

SECTION 5, RECALCULATED THRUST PARAMETERS

RUN 37

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ADDITIONAL PRESSURE RATIOS - PRIMARY PLUG

AVG WTRD	PL	M/PN	M/PTE	M/PPT	X/PMAX
107	14.651	0.97031	0.71303	0.29401	0.72200
112	14.611	0.96766	0.71216	0.29401	0.72200
127	14.945	0.98454	0.71767	0.29401	0.72200
137	14.945	0.98454	0.71767	0.29401	0.72200
147	14.945	0.98454	0.71767	0.29401	0.72200
157	14.945	0.98454	0.71767	0.29401	0.72200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER I.D.

AVG WTRD	PL	M/PN	M/PTE	M/PPT	X/PMAX
107	14.651	0.97031	0.71303	0.29401	0.72200
112	14.611	0.96766	0.71216	0.29401	0.72200
127	14.945	0.98454	0.71767	0.29401	0.72200
137	14.945	0.98454	0.71767	0.29401	0.72200
147	14.945	0.98454	0.71767	0.29401	0.72200
157	14.945	0.98454	0.71767	0.29401	0.72200

ADDITIONAL PRESSURE RATIOS - FLOW SPLITTER O.D.

AVG WTRD	PL	M/PN	M/PTE	M/PPT	X/PMAX
107	14.651	0.97031	0.71303	0.29401	0.72200
112	14.611	0.96766	0.71216	0.29401	0.72200
127	14.945	0.98454	0.71767	0.29401	0.72200
137	14.945	0.98454	0.71767	0.29401	0.72200
147	14.945	0.98454	0.71767	0.29401	0.72200
157	14.945	0.98454	0.71767	0.29401	0.72200

ADDITIONAL PRESSURE RATIOS - REFERENCE INLET

AVG WTRD	PL	M/PN	M/PTE	M/PPT	X/PMAX
107	14.651	0.97031	0.71303	0.29401	0.72200
112	14.611	0.96766	0.71216	0.29401	0.72200
127	14.945	0.98454	0.71767	0.29401	0.72200
137	14.945	0.98454	0.71767	0.29401	0.72200
147	14.945	0.98454	0.71767	0.29401	0.72200
157	14.945	0.98454	0.71767	0.29401	0.72200

ADDITIONAL PRESSURE RATIOS - 20 DEG SHOWN INCLINATION

AVG WTRD	PL	M/PN	M/PTE	M/PPT	X/PMAX
107	14.651	0.97031	0.71303	0.29401	0.72200
112	14.611	0.96766	0.71216	0.29401	0.72200
127	14.945	0.98454	0.71767	0.29401	0.72200
137	14.945	0.98454	0.71767	0.29401	0.72200
147	14.945	0.98454	0.71767	0.29401	0.72200
157	14.945	0.98454	0.71767	0.29401	0.72200

ADDITIONAL PRESSURE RATIOS - 40 DEG SHOWN INCLINATION

AVG WTRD	PL	M/PN	M/PTE	M/PPT	X/PMAX
107	14.651	0.97031	0.71303	0.29401	0.72200
112	14.611	0.96766	0.71216	0.29401	0.72200
127	14.945	0.98454	0.71767	0.29401	0.72200
137	14.945	0.98454	0.71767	0.29401	0.72200
147	14.945	0.98454	0.71767	0.29401	0.72200
157	14.945	0.98454	0.71767	0.29401	0.72200

ADDITIONAL PRESSURE RATIOS - 60 DEG SHOWN INCLINATION

AVG WTRD	PL	M/PN	M/PTE	M/PPT	X/PMAX
107	14.651	0.97031	0.71303	0.29401	0.72200
112	14.611	0.96766	0.71216	0.29401	0.72200
127	14.945	0.98454	0.71767	0.29401	0.72200
137	14.945	0.98454	0.71767	0.29401	0.72200
147	14.945	0.98454	0.71767	0.29401	0.72200
157	14.945	0.98454	0.71767	0.29401	0.72200

443-15415 PRELIMINARY DATA 06/15/79

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RUN 37

ADDITIONAL PRESSURE RATIOS, PRIMARY PLUG

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
72	9.0954	0.60214	0.21811	0.32945	0.72200
77	12.465	0.87510	0.22091	0.43543	0.82000
47	14.264	0.94420	0.24204	0.50286	0.91000
52	15.369	1.01174	0.26854	0.54179	1.0170

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER I.D.

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
42	19.500	1.2909	0.46762	0.68746	0.42200
47	15.443	1.0224	0.37037	0.54443	0.69200

ADDITIONAL PRESSURE RATIOS, FLOW SPLITTER O.D.

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	12.015	0.79541	0.28812	0.42357	0.56400
92	12.315	0.80864	0.29292	0.43062	0.63500
92	15.114	1.0005	0.26242	0.53280	0.69200

ADDITIONAL PRESSURE RATIOS, EJECTOR SHROUD

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-127	14.624	0.96811	0.25068	0.51554	-1.0000
-112	14.579	0.96513	0.24960	0.51395	-1.0000
-122	14.924	0.98134	0.25547	0.52259	-1.0000
-127	14.939	0.98895	0.25823	0.52664	-1.0000
-137	14.999	0.99292	0.25967	0.52875	-1.0000
-142	15.119	1.0009	0.26254	0.53298	-1.0000

ADDITIONAL PRESSURE RATIOS, FORWARD INLET

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
177	14.624	0.96811	0.25068	0.51554	0.31900
112	14.579	0.96513	0.24960	0.51395	0.34000
122	14.924	0.98134	0.25547	0.52259	0.38600
127	14.939	0.98895	0.25823	0.52664	0.43400
137	14.999	0.99292	0.25967	0.52875	0.46100
142	15.119	1.0009	0.26254	0.53298	0.49000
152	15.114	1.0005	0.26242	0.53280	-1.0000
157	15.114	1.0005	0.26242	0.53280	1.0000

ADDITIONAL PRESSURE RATIOS, FAN NOZZLE FLAP

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.114	1.0005	0.26242	0.53280	-1.0000
-157	15.114	1.0005	0.26242	0.53280	1.0000

ADDITIONAL PRESSURE RATIOS, 20 DEG SHROUD LOCATION

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
157	14.744	0.97737	0.25494	0.52047	0.79300
172	13.914	0.92113	0.23367	0.49052	0.84400

ADDITIONAL PRESSURE RATIOS, 40 DEG SHROUD LOCATION

AVD WOPD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
192	14.744	0.97678	0.25268	0.51994	0.79300
197	14.770	0.94529	0.24241	0.50338	0.84400

SECTION 5. MEASURED THRUST PARAMETERS

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RUN 37

NASA-LEWIS PRELIMINARY DATA 7/15/79 CANNETT DEC 11/92/79 05:47:11.263

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ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVN WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	14.4242	1.55903	0.722369	0.72521	0.72200
77	14.576	1.7316	0.41330	0.47125	0.42000
47	16.470	1.7915	0.43739	0.63615	0.41900
52	14.540	1.7300	0.41272	0.60029	1.0170

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVN WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
67	17.887	1.1948	0.47479	0.69053	0.42200
67	14.455	1.0737	0.41021	0.59562	0.69200

ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVN WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
77	12.792	0.94731	0.33954	0.49393	0.56400
82	14.850	0.99365	0.39417	0.57320	0.63500
92	14.100	1.0002	0.40080	0.58293	0.69200

ADDITIONAL PRESSURE RATIOS , EFFECTOR SHROUD

AVN WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-107	14.600	0.96710	0.38754	0.56365	-1.0000
-112	14.545	0.96346	0.38608	0.56153	-1.0000
-122	14.795	0.98001	0.39271	0.57117	-1.0000
-127	14.895	0.98663	0.39536	0.57502	-1.0000
-137	14.945	0.98994	0.39669	0.57695	-1.0000
-142	14.100	1.0002	0.40080	0.58293	-1.0000

ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVN WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
107	14.600	0.96710	0.38754	0.56365	0.31900
112	14.545	0.96346	0.38608	0.56153	0.34000
122	14.795	0.98001	0.39271	0.57117	0.38600
127	14.895	0.98663	0.39536	0.57502	0.43400
137	14.945	0.98994	0.39669	0.57695	0.46100
-142	14.100	1.0002	0.40080	0.58293	-1.0000
-147	14.100	1.0002	0.40080	0.58293	-1.0000
-157	14.095	0.99986	0.40067	0.58276	-1.0000

ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLOW

AVN WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
-152	14.100	1.0002	0.40080	0.58293	-1.0000
-157	14.795	0.98001	0.39271	0.57117	-1.0000

ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVN WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
147	14.740	0.97760	0.39178	0.56982	0.79300
172	14.445	0.95685	0.38743	0.55767	0.84400

ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVN WORD	PI	PI/PN	PI/PTF	PI/PTP	X/DMAX
182	14.075	0.98861	0.39616	0.57118	0.79300
187	14.575	0.96092	0.38502	0.55908	0.84400

ADDITIONAL PRESSURE RATIOS , THROAT PARAMETERS

RUN 37

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DETAILED PRESSURE RATINGS, 20 DEG SLIDING INCLIN

AVN WPN	PL	M/PN	M/PT	PI/PT	X/DMAX
10	14.945	0.98758	0.4682	0.67270	0.72200
11	14.945	1.0078	0.4509	0.71339	0.82000
12	14.945	1.0048	0.45033	0.72531	0.91900
13	14.945	1.0012	0.4473	0.65563	1.0170

DETAILED PRESSURE RATINGS, 20 DEG SLIDING INCLIN

AVN WPN	PL	M/PN	M/PT	PI/PT	X/DMAX
14	14.699	1.1034	0.52158	0.75161	0.42200
15	15.480	1.0220	0.49351	0.66675	0.60200

DETAILED PRESSURE RATINGS, 20 DEG SLIDING INCLIN

AVN WPN	PL	M/PN	M/PT	PI/PT	X/DMAX
16	14.399	1.0836	0.51222	0.73812	0.56400
17	14.116	0.9378	0.44092	0.65537	0.63500
18	15.149	1.0018	0.47353	0.68236	0.69200

DETAILED PRESSURE RATINGS, 20 DEG SLIDING INCLIN

AVN WPN	PL	M/PN	M/PT	PI/PT	X/DMAX
19	14.644	0.96777	0.45244	0.65921	-1.0000
20	14.586	0.96381	0.45558	0.65651	-1.0000
21	14.945	0.98758	0.4682	0.67270	-1.0000
22	14.945	1.0078	0.4509	0.71339	-1.0000
23	14.945	1.0048	0.45033	0.72531	-1.0000
24	14.945	1.0012	0.4473	0.65563	-1.0000

DETAILED PRESSURE RATINGS, 20 DEG SLIDING INCLIN

AVN WPN	PL	M/PN	M/PT	PI/PT	X/DMAX
25	14.666	0.96777	0.45244	0.65921	0.31900
26	14.586	0.96381	0.45558	0.65651	0.34000
27	14.945	0.98758	0.4682	0.67270	0.39600
28	14.945	1.0078	0.4509	0.71339	0.43400
29	14.945	1.0048	0.45033	0.72531	0.46100
30	14.945	1.0012	0.4473	0.65563	0.49900

DETAILED PRESSURE RATINGS, 20 DEG SLIDING INCLIN

AVN WPN	PL	M/PN	M/PT	PI/PT	X/DMAX
31	15.150	1.0011	0.47322	0.68191	-1.0000
32	15.150	1.0011	0.47322	0.68191	-1.0000

DETAILED PRESSURE RATINGS, 20 DEG SLIDING INCLIN

AVN WPN	PL	M/PN	M/PT	PI/PT	X/DMAX
33	14.705	0.97767	0.46714	0.66505	0.70700
34	14.716	0.97767	0.46714	0.66505	0.84400

DETAILED PRESSURE RATINGS, 20 DEG SLIDING INCLIN

AVN WPN	PL	M/PN	M/PT	PI/PT	X/DMAX
35	15.045	0.98418	0.46002	0.67710	0.79300
36	14.641	0.96764	0.45537	0.66658	0.86600