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Houston, Texas 77058

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PHASE C

AERORTHERMODYNAMIC

DATA BASE

DATA FILE CONTENTS REPORT

JULY/DECEMBER 1984

SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

Data Management Services

MICHOUD ENGINEERING OFFICE CHRYSLER CORPORATION

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AERODYNAMIC DATA BASE DATA FILE CONTENTS REPORT

July/December 1984

Prepared under NASA Contract Number NAS9-17179

by

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1. INTRODUCTION

Space shuttle aerothermodynamic data, collected from a continuing series of wind tunnel tests, are permanently stored with the Data Management Services (DMS) system. Information pertaining to current baseline configuration definition is also stored. This report lists documentation of DMS processed data arranged sequentially and by space shuttle configuration.

Purpose of this report is to provide an up-to-date record of all applicable aerothermodynamic data collected, processed, or summarized during the space shuttle program. Tables are designed to provide survey information to the various space shuttle managerial and technical levels. Table 1-1 summarizes the contents and purposes of report sections.

Table 1-1. Summary of Data Base Records

Item	Contents	Purpose
Baseline configurations	Space shuttle configurations designated as reference or baseline	Current baseline configuration reference
Summary data reports	List of DMS reports presenting results of data analysis or refinements	Index of space shuttle aerothermo design data reports
Data file report digest	Compilation of space shuttle tests into operational status and basic configuration groups	Information arranged by vehicle on tests DMS processed or has in process
Wind tunnel test/DMS data processing summary	Table of space shuttle test data for which results have been incorporated into DMS data base	Reference of test data in DMS data base sequentially by data report number
Space shuttle facility wind tunnel summary	Summary of all space shuttle tests by facility	Information arranged by facility on tests DMS processed or has in process

2. BASELINE CONFIGURATION DESIGNATIONS

Configurations designated as baseline or reference configurations are in this report. Figure 2-1 shows the orbiter, figure 2-2 the launch vehicle, figure 2-3 the ET and SRB, and figure 2-4 the carrier.

3. SUMMARY DATA REPORTS

Summary data reports differentiate from data reports in that data reports present basic wind tunnel data as collected and summary reports contain data germane to a particular design application of the basic aerothermo test data. Summary reports range from basic data reports of edited or refined data to reports presenting gleanings from basic data reports.

The list of summary reports (table 3-1) contains DMS-generated documents.

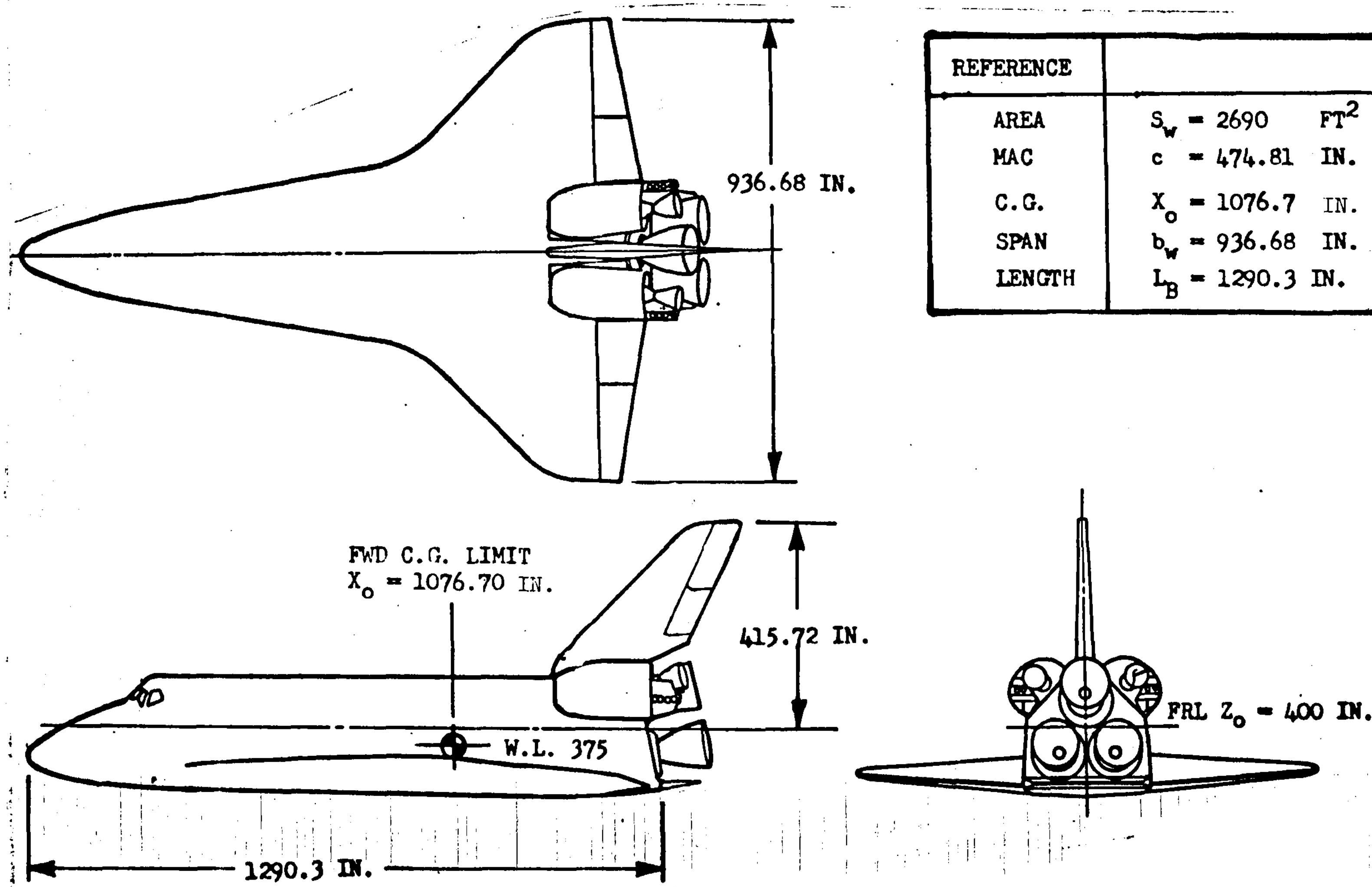
4. DATA FILE REPORT DIGEST

Data file digest (table 4-1) compiles all information in the DATAMAN system into three categories:

1) Recently published reports - current six-month period.

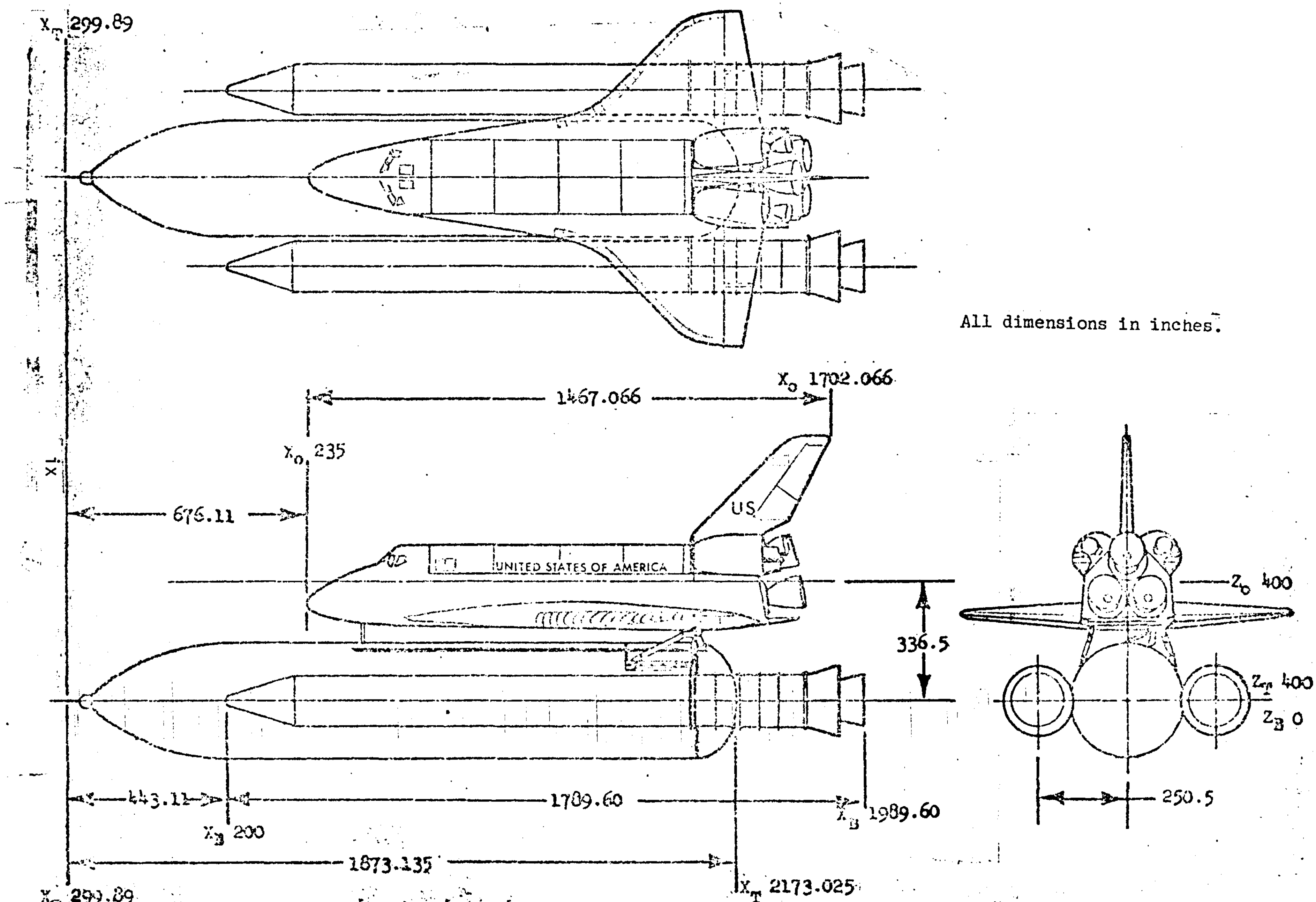
2) Tests in process

3) Published reports



REFERENCE	
AREA	S_w = 2690 FT^2
MAC	c = 474.81 IN.
C.G.	X_o = 1076.7 IN.
SPAN	b_w = 936.68 IN.
LENGTH	L_B = 1290.3 IN.

Figure 2-1. SSV Orbiter 5 Configuration Baseline



All dimensions in inches.

Figure 2-2. Configuration 5 Launch Vehicle

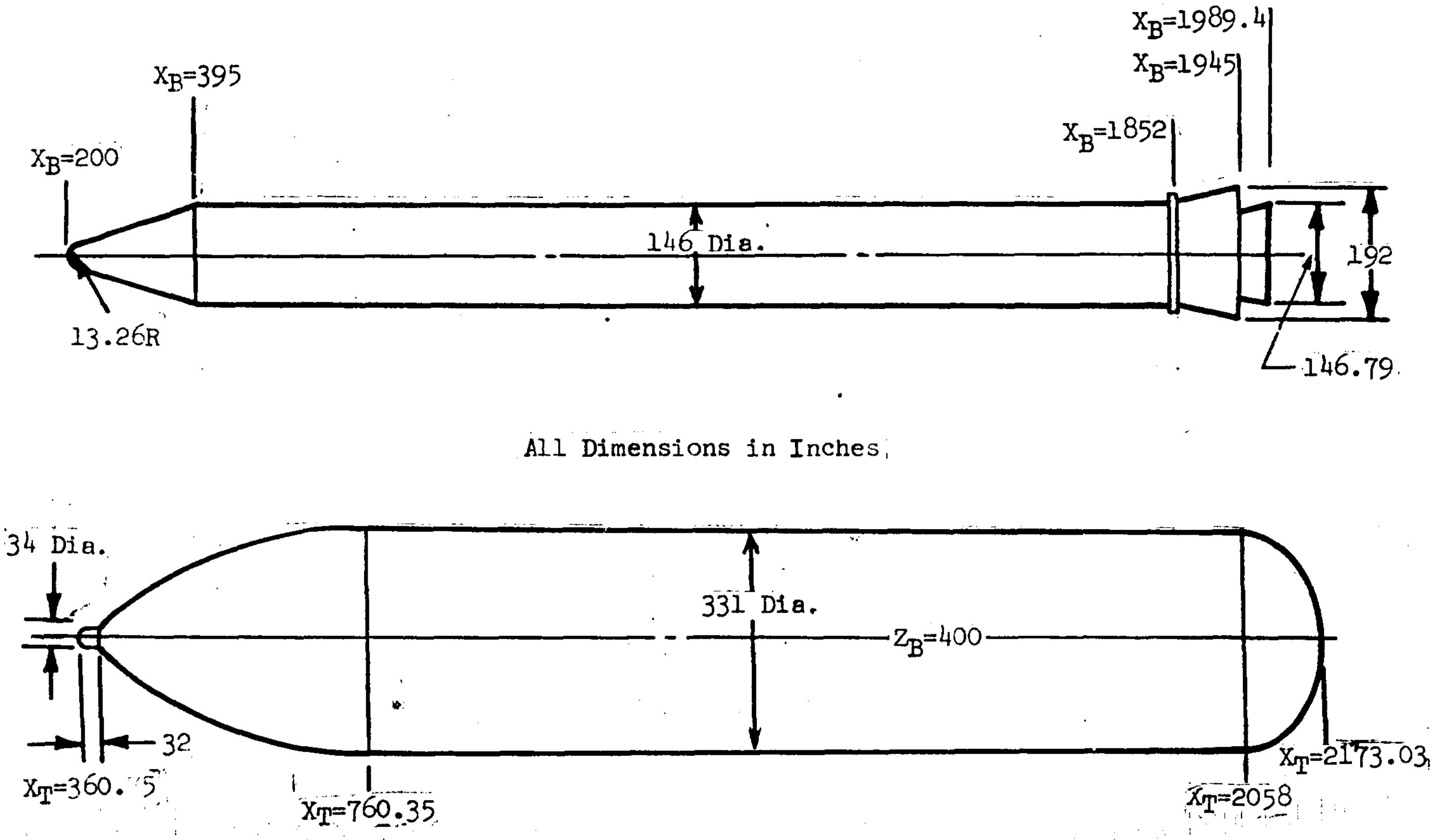


Figure 2-3. Configuration 5 External Tank and Solid Rocket Booster

REFERENCE DIMENSIONS (FS)

	ORBITER	747 CARRIER
WING AREA ~ Ft^2	2690	5500
MAC ($\bar{c}$) ~ INCHES	474.81	327.78
SPAN (b) ~ INCHES	936.68	2348.04
MOMENT REFERENCE CENTER	67.5% LB	25.0 % $\bar{C}$
F.S. ~ INCHES	1109.0	1339.9
W.P. ~ INCHES	375.0	190.8

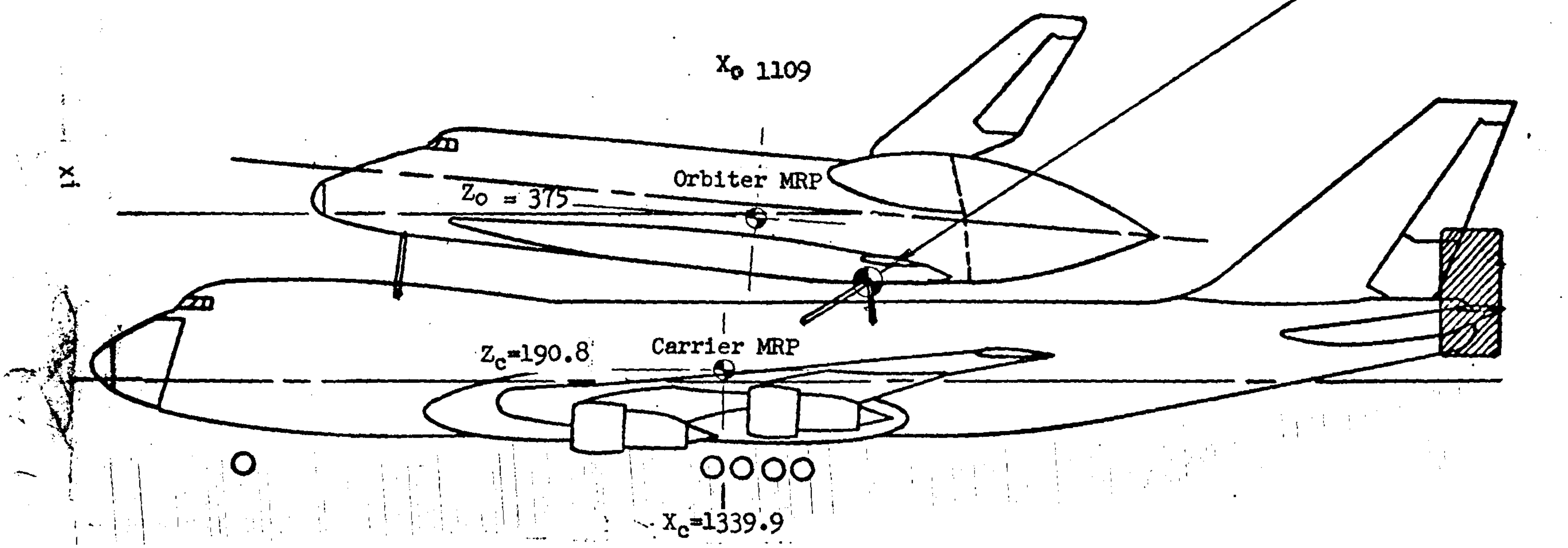


Figure 2-4. Orbiter/747 Flight Test Configuration

Each section is subdivided into five configuration categories:

1) Booster data
2) Orbiter data
3) Booster/orbiter data
4) External tank data
5) Carrier data

Information on each test is as follows:

1) DMS report number
2) NASA series number
3) NASA CR number
4) NASA TM X- number
5) Two-character test code
6) Configuration (specific)
7) Test number

5. WIND TUNNEL TEST/DATAMAN DATA PROCESSING SUMMARY

Space shuttle wind tunnel test data incorporated into the DATAMAN data base are listed by DMS report number in the processing summary (table 5-1). This summary collects test particulars so the reader can evaluate or categorize data. It contains the following information:

1) Test facility
2) Test identification
3) Configurations tested
4) Purpose of test
5) Type of test
6) Model scale

7) Test Mach number range

8) Testing agency

9) Cognizant test/DMS personnel

10) Basic publication numbers

6. SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

Numerous wind tunnel facilities test space shuttle configurations. Table 6-1 collects information on tests completed or in process, grouped by facility. It contains the following information:

1) Two-character test code

2) Facility

3) Tunnel

4) Test number

5) NASA series number

6) DATAMAN report number

TABLE 3-1. Summary Data Reports List

(No Data Available at Present)

TABLE 4-1.

Data File Report Digest

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2220 V-08	LA52		72661	140 A/B SPACE SHUTTLE ORBITER	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 6458	HN
2459 V-01	OA310A OA310B OA310C	167,685		AFRSI SSV PRESSURE-LOADS MODEL 84-0	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 587-1	A2
2459 V-02	OA310A OA310B OA310C	167,686		AFRSI SSV PRESSURE-LOADS MODEL 84-0	LERC - 8 BY 6-FOOT SUPERSONIC WIND TUNNEL - 046 /LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNNEL - 074	A4
2516	OS311	167,688		MODEL 127-0, AFRSI BONDED TO SUPPORT PLATE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 562-2/5	A8
2517	OS314A/B/C	167,689		AFRSI BLANKET PANELS FORM-FITTED OVER A TWO-DIMENSIONAL MODEL OF AN	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 582-1	A9
2519	OA309	167,692		140C SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 838	D2

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2514	FA301	167,687		LAUNCH VEHICLE WITH INTERSTAGE FAI RINGS	MSFC - 14-INCH TRISONIC WIND TUNNEL - 692	A6

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2188	LA39				LARC - UNITARY PLAN WIND TUNNEL - 1075	QY
2213	LA53 LA54				LARC - FREON TUNNEL - 220-237 20-INCH HYPERSONIC TUNNEL (MACH 6) - 456	HO
2228	LA46A/B				LARC - UNITARY PLAN WIND TUNNEL - 1092/1117 1117	HG
2237	OA155			VEHICLE 5 ORBITER	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL - 114	J7
2256	LA68				LARC - 22-INCH HELIUM TUNNEL - 439	J8
2260	LA60B LA60C				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 715 8-FOOT TRANSONIC PRESSURE TUNNEL - 776	KB
2287	OS13				ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 166-1	NN
2291	LA79				NSWC - TUNNEL 8A - 1275	JM

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2292	LA36B				LARC - LOW-TURBULENCE PRESSURE TUNNEL - 214	JS
2339	OS32				ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL - 167-1	2C
2362	LA92				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 764	K1
2379	LA106				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 776	KC
2383	LA93				LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 130	K2
2394	LA109				LTV - HIGH SPEED WIND TUNNEL - 611	FR
2411	LA116				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 804	KM
2425	LA117				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 813	KQ
2441	LA127				LARC - LOW-TURBULENCE PRESSURE TUNNEL - 255	KU
2442	LA128				LTV - HIGH SPEED WIND TUNNEL - 646	KY

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2446	LA122				LARC - UNITARY PLAN WIND TUNNEL - 1270	KX
2447	OS52				ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 436-2	AB
2484	LA144			OV102-SSME ON	LTV - HIGH SPEED WIND TUNNEL - 742	FS
2497	MA34			ORBITER FOREBODY	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 594	T4
2521	OS310	167,694		MODEL 126-0, AFRSI	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL - 560-1-22	D4
2522	OS315			128-0, OMS POD CONTOUR MODEL	AEDC - HYPERSONIC WIND TUNNEL (C) - V-C-3E	D5

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2239	LA38B				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 676	QX
2460	FA27				MSFC - 14-INCH TRISONIC WIND TUNNEL - 655	1Y
2476	IA190A IA190B				ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 411-1,2,3 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) -	3U
2479	IA600				MSFC - 14-INCH TRISONIC WIND TUNNEL - 658	6A
2518	IA301			LAUNCH VEHICLE WITH WING SPOILERS AND INTERSTAGE FAIRINGS	MSFC - 14-INCH TRISONIC WIND TUNNEL - 695	D1
2520	IH97A/B/C	167,693		THIN-SKIN THERMOCOUPLE MODEL 60-OT S	AEDC - SUPERSONIC WIND TUNNEL (A) - V-A-1X HYPERSONIC WIND TUNNEL (C) - V-C-2E	D3
2523	LA301			LAUNCH VEHICLE WITH WING SPOILERS AND INTERSTAGE FAIRINGS	LARC - 16-FOOT TRANSONIC TUNNEL - 390	D6
2524	IH42	167,695		PHASE-CHANGE PAINT MODEL, 56-OTS	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 218	D7

BOOSTER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2012	SA1F	120,090		SRB(PRR)	MSFC - 14-INCH TRISONIC WIND TUNNEL - 554	79
2025	SA3F	128,767		142-INCH DIAMETER SRB WITH AND WIT HOUT STRAKES	MSFC - 14-INCH TRISONIC WIND TUNNEL - 565	80
2051	SA5F	128,774		BOOSTER MSFC MODEL NO.449	MSFC - 14-INCH TRISONIC WIND TUNNEL - 572	86
2087	SA10F	134,116		SRB WITH VARIED SHROUD LENGTHS AND FLARE ANGLES	MSFC - 14-INCH TRISONIC WIND TUNNEL - 578	91
2088	SA2FA SA2FB	134,105		142-INCH SOLID ROCKET BOOSTER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 655 8-FOOT TRANSONIC PRESSURE TUNNEL - 662	PS
2111	SA26F	134,435		MODEL 449/CONF.NBRE1, NBRE1A, NBRE 1B, NBRE1S1ELT	MSFC - 14-INCH TRISONIC WIND TUNNEL - 590/595	95
2142	FA4	134,402		TITAN III C SRM	MSFC - 14-INCH TRISONIC WIND TUNNEL - 587	97
2150	SA25F	141,511		SRB	LARC - UNITARY PLAN WIND TUNNEL - 1087	H9
2161	SA6F	134,422		SRB-BODY ALONE	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL - 035	GE

BOOSTER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2207	SA29F	147,608		MODEL 467, SRB NOSE CONE AND FORWA RD CYLINDRICAL BODY	MSFC - HIGH REYNOLDS NUMBER WIND TUNNEL - 033	1E
2216	SH12F	141,802		SRB	LARC - UNITARY PLAN WIND TUNNEL - 1115	HA
2223	SA8F	141,549		ORB.W/ ATTACH RING,AFT RING,W/AND W/O PROTUBERANCES, NOSE CAP	MSFC - 14-INCH TRISONIC WIND TUNNEL - 604	1H
2244	SA28F	151,082		146-INCH WITH AND WITHOUT PROTUBER ANCES	MSFC - 14-INCH TRISONIC WIND TUNNEL - 603	1I
2277	SA13F	144,579		MODEL 461, 142-INCH DIA. WITHOUT P ROTUBERANCES	MSFC - HIGH REYNOLDS NUMBER WIND TUNNEL - 034	1F
2310 V-01	SA14FB	151,083		RIGHT-HAND SRB REENTRY CONFIG.	MSFC - 14-INCH TRISONIC WIND TUNNEL - 640	IP
2310 V-02	SA14FB	151,084		RIGHT-HAND SRB REENTRY CONFIG.	MSFC - 14-INCH TRISONIC WIND TUNNEL - 640	IP
2325	SA14FA	147,645		CONF. 139	MSFC - 14-INCH TRISONIC WIND TUNNEL - 620	10
2331 V-01	SA11F	160,838		SRB-WITH HEAT SHIELD(SOLID)	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL - 074-1 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) -	NX

BOOSTER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2331 V-02	SA11F	160,839		SRB-WITH HEAT SHIELD(SOLID)	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY WIND TUNNEL - 074-1 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) -	NX
2334	SA16F	147,648		REENTRY CONFIG. WITH ALL MAJOR PROTUBERANCES	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-4T) - E3A	VP
2345	SA21F		78195	146-INCH SRB/TRUNCATED NOSE (MODEL 486)	MSFC - 14-INCH TRISONIC WIND TUNNEL - 645	1R
2369	SA31F	167,345		SRB REENTRY CONFIG.	MSFC - HIGH REYNOLDS NUMBER WIND TUNNEL - 039	1T

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2001	MA5	128,750		NR ATP ORBITER	LARC - UNITARY PLAN WIND TUNNEL - 1002	OQ
2002	LA1	128,752		NR PRR ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 626	OU
2003	MA2	128,754		NR ATP ORBITER	LARC - 22-INCH HELIUM TUNNEL - 409	OS
2004	MA1	120,082		MSC 040A ORBITER	LTV - 15-FOOT BY 20-FOOT SUBSONIC WIND T UNNEL - S-081	DD
2005	OA1	120,070		NR ATP BASELINE ORBITER	MSFC - 14-INCH TRISONIC WIND TUNNEL - 555	76
2007	OA4	128,760		NR SSV ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 147	BI
2008	MA4	128,751		NR ATP ORBITER	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 89	OT
2008 R-01	MA4	128,751		NR ATP ORBITER	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 89	OT
2009	OA3	128,761		SHUTTLE ORBITER OA3	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL - 650	BH

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2014	OA7	128,753		NR PRR-SSV ORBITER	LARC - UNITARY PLAN WIND TUNNEL - 1007	OV
2016	OA2	120,092		NR ATP ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 689	DF
2017	OA5	123,851		NR ATP ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 690	DG
2019	OA6	128,756		ATP AND PRR ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 694	DI
2020	OA9	128,757		PRR ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 696	DJ
2021 V-01	OA45	128,758		-89A ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 699	DL
2021 V-02	OA45	128,758		-89A ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 699	DL
2022	OA10	128,759		RI -89B ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 698	DK
2023	LA2	128,763		LO-100 ORBITER	LARC - 22-INCH HELIUM TUNNEL - 411	OY
2029	OA47	128,765		2A ORBITER	MSFC - 14-INCH TRISONIC WIND TUNNEL - 568	84

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2030	OA14	128,768		-89B ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 700	DM
2031	LA3	128,769		LO-100 ORBITER	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 85	OZ
2033	LA4	128,772		LO-100 ORBITER	LARC - UNITARY PLAN WIND TUNNEL - 995 1014	P1
2034	LA22	128,764		DOUBLE DELTA WING ORBITER	LARC - 22-INCH HELIUM TUNNEL - 405	ON
2035	OH2A OH2B	134,077		THERMAL PROTECTION SYSTEM	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 158	BU
2036	LA5	128,775		LARC LO-100 ORBITER	LARC - 22-INCH HELIUM TUNNEL - 413	P2
2037	OA84	134,405		140A/B ORBITER	LTV - HIGH SPEED WIND TUNNEL - 488	FO
2038	OA16	128,793		NR ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 701	DN
2040	LA6	128,773		NAR 089-B-139 ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 643	P4
2041	LA7A	128,781		LARC LO-100 ORBITER (SHIPS)	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 644	P5

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2042	IA52	134,087		ORBITER ALONE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 584	98
2043	LA16	128,770		RSI TILES,ORBITER	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 624	PB
2044	OA11A	128,786		SHUTTLE ORBITER 2A	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 157	BS
2045	OA18	128,779		ROCKWELL SSV ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 704	DO
2046	LA17	128,776		LARC LO-100 ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 648	PC
2047	LA31	134,086		040A SPACE SHUTTLE CONFIGURATION	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 98	QN
2049	OH40	128,771		NR 2A ORBITER	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 3619/3670	OX
2050	OA43	128,790		ROCKWELL SSV 2A ORBITER	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL - 706	BT
2052	LA10	128,791		LO-100 ORB(SHIPS) (BW2VFB)	LARC - UNITARY PLAN WIND TUNNEL - 1015	P8

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2053 V-01	OA21B	128,792		ORBITER 3	NRLAD - LOW SPEED WIND TUNNEL - 705	DP
2053 V-02	OA21B	128,792		ORBITER 3	NRLAD - LOW SPEED WIND TUNNEL - 705	DP
2054	LA8A LA8B	128,796		NR ORBITER	LARC - UNITARY PLAN WIND TUNNEL - 1023/1034	P6
2055 V-01	OA48	128,780		ORBITER 139	MSFC - 14-INCH TRISONIC WIND TUNNEL - 574	87
2055 V-01	OA48	128,780		ORBITER 139B	MSFC - 14-INCH TRISONIC WIND TUNNEL - 574	87
2055 V-02	OA48	128,780		ORBITER 139	MSFC - 14-INCH TRISONIC WIND TUNNEL - 574	87
2055 V-02	OA48	128,780		ORBITER 139B	MSFC - 14-INCH TRISONIC WIND TUNNEL - 574	87
2055 V-03	OA48	128,780		ORBITER 139	MSFC - 14-INCH TRISONIC WIND TUNNEL - 574	87
2055 V-03	OA48	128,780		ORBITER 139B	MSFC - 14-INCH TRISONIC WIND TUNNEL - 574	87
2056	LA9	128,782		NAR 089B-MOD NOSE	LARC - LOW-TURBULENCE PRESSURE TUNNEL - 130/135	P7

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2056	LA9	128,782		NAR 089B-MOD NOSE + OMS	LARC - LOW-TURBULENCE PRESSURE TUNNEL - 130/135	P7
2057	OA44	134,411		ORBITER, MODIFIED 2A,3	LARC - UNITARY PLAN WIND TUNNEL - 1035	PN
2058	OA17	134,079		ORBITER NAR VL70-000134B CONFIG.	LARC - LOW-TURBULENCE PRESSURE TUNNEL - 138	PP
2059	OA11B	128,798		ORBITER 2A	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 160	BX
2060	OA58	134,091		ORBITER 3,A	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 163	BY
2061	OA68	128,789		VL70-000147B (MODEL NO. 49-0)	NRLAD - 7-FOOT TRISONIC WIND TUNNEL - 276	DR
2061	OA68	128,789		VL70-000139B (MODEL NO. 42-0)	NRLAD - 7-FOOT TRISONIC WIND TUNNEL - 276	DR
2066	LA11	128,783		SPACE SHUTTLE ORBITER 089B-139	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 96	PD
2067	OS2	128,777		0.025 SCALE MODEL OF SPACE SHUTTLE ORBITER (24-0) FIN/RUDDER	LARC - 26-INCH TRANSONIC BLOWDOWN TUNNEL - 544	PZ
2068	OA71A	128,797		-89B(2A) ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 708	DS

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2069	MA7	134,074		PRR ORBITER	LARC - UNITARY PLAN WIND TUNNEL - 1031	PM
2071	OA23	128,799		MODEL 32-0	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 168	B6
2071	OA23	128,799		MODEL 49-0	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 168	B6
2073	OA70	134,070		MODEL 42-0 OF THE VL70-000139B SSV ORBITER CONFIGURATION 3	LARC - UNITARY PLAN WIND TUNNEL - 1043	PV
2074	OA57A	134,414		-89B SPACE SHUTTLE ORBITER FERRY C ONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL - 709	DT
2075	OH41	128,784		MODEL SS-H-00326-1	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 3778/ 3855	P3
2076	OH41A	128,785		SS-H-00326-4	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 4060/ 4079	P9
2076	OH41A	128,785		SS-H-00326B-5,-6,-7	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 4060/ 4079	P9

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2077 V-01	IA29 OA63	134,095			ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL - 630	EB
2079	LA15	134,083		089B-139B(MODIFIED NOSE)	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 441	PH
2080 V-01	OA57B	134,416		-89B SPACE SHUTTLE ORBITER FERRY C ONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL - 713	DV
2080 V-02	OA57B	134,417		-89B SPACE SHUTTLE ORBITER FERRY C ONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL - 713	DV
2081 V-01	OA69	141,580		-140 A/B SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 711	DQ
2081 V-02	OA69	141,581		-140 A/B SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 711	DQ
2082	OA73	128,800		CONFIGURATION 3A ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 167	B5
2083	OA20A	134,081		SSV 140A/B ORBITER	LARC - UNITARY PLAN WIND TUNNEL - 1057	Q2
2085	OH10 IH2	167,344			ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 171	B9
2086	OA71C	134,078		-89B ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 712	DU

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2089	OA25	134,082		140A/B	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 661	Q1
2090	LA8C	134,080		089B-139B ORBITER CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL - 1040	P6
2091	LA7B	141,512		LO-100 ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 657/660	P5
2092	OA72		71968	ORBITER 139B (34-O)	LARC - 22-INCH HELIUM TUNNEL - 415	PT
2094	OS1	134,073		BASIC WING AND 11 HZ INBD AND 13.5 HZ OUTBD ELEVON ROTATIONAL FREQ	LARC - 26-INCH TRANSONIC BLOWDOWN TUNNEL - 545	QT
2095	OA49	134,404		ORBITER	MSFC - 14-INCH TRISONIC WIND TUNNEL - 581	92
2096	OH13	134,101		B10C5D7F4M3V5W87	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 644	PO
2097	OA62A	134,102		140A/B SSV ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 715	DW
2100	OH3A OH3B	134,075			AEDC - HYPERSONIC WIND TUNNEL (B) - VA289	TM

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2101	OH42A OH42B OH42C	134,076		B17C7M4F5W103E22V7R5	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 4080/4105 4130/4193	PA
2102	IA15	134,089		OT+L+P1+A1+F	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 175	EG
2103	IA62F	134,094		(034)(T14)(S12)	MSFC - 14-INCH TRISONIC WIND TUNNEL - 589 TRISONIC WIND TUNNEL -	94
2103	IA62F	134,094		(034)(T9)(S12)(PT4)(FR4)	MSFC - 14-INCH TRISONIC WIND TUNNEL - 589 TRISONIC WIND TUNNEL -	94
2104 V-01	OA62B	134,112		140A/B SSV ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 717	DZ
2104 V-02	OA62B	134,113		140A/B SSV ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 717	DX
2106	LA14A LA14B		72630	089B ORB.W/MOD NOSE	LARC - UNITARY PLAN WIND TUNNEL - 1046/1049	PG
2107	LA20		72631	089B ORBITERW/MOD. NOSE	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 653	PK
2109	OH45	141,527		147B CONFIGURATION ORBITER MODEL (50-0)	LARC - FREON TUNNEL - 121-137	QS

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2113	OA85	134,111		VL70-000139	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 101	QI
2114	OA86	134,098		B30 THRU B50C9M7F8W116E26V8R5X9	NRLAD - LOW SPEED WIND TUNNEL - 716	DX
2115	OA87	134,085		140A/B	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 176	EF
2116	OA91	134,888		B19C7F5J59W107E23V7R5X20 + NACELLE RAKES	NRLAD - 7-FOOT TRISONIC WIND TUNNEL - 278	DY
2117	OH14	147,617		B22C7F5M4V7W111	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 648	QL
2120	OA106	134,426		ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 668	QZ
2121	LA38A			TASK CANCELLED, JULY, 1975	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 669	QX
2124	IA16 OA26	134,093		140A/B ORBITER CONFIGURATION	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 180	EM
2125	OA88	134,409		BODY ALONE (-140A/B)	LARC - 22-INCH HELIUM TUNNEL - 422	QC
2126	LA25			TASK CANCELLED, DEC., 1976	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 100	PX

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2127	LA35		71954	-139 B ORBITER WITH VARIOUS CONTRO L DEFLECTIONS	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 102	QU
2128 V-01	OA53A	134,114		140A/B	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 747	EJ
2128 V-02	OA53A	134,115		140A/B	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 747	EJ
2130	OA22A	141,529		SSV 140A/B ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B2
2131	OA22B	141,530		SSV 4 140A/B ORBITER	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 716	B4
2132	LA42	141,535		-089B W/MOD NOSE	AEDC - HYPERSONIC WIND TUNNEL (B) - 48A	TP
2133	IA58	134,110		ORBITER	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 107	QK
2134 R-01	OA77 OA78	134,429		ORBITER -140A/B CONFIG.	AEDC - HYPERSONIC WIND TUNNEL (B) - VA474 HYPERSONIC WIND TUNNEL (C) -	TN
2135	LA13			TASK CANCELLED, AUGUST, 1974	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 99	PF

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2137 V-02	OA105	134,106		CONFIGURATION3, MODEL 32-0	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 109	H2
2139	OA118	134,407		VL70-000140A/B, MODEL 43-0	NRLAD - LOW SPEED WIND TUNNEL - 724	F6
2140	OA37	134,408		140 A/B SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 719	F2
2141	OH11	141,538		MODEL NO. 29-0/VL70-000139	AEDC - HYPERSONIC WIND TUNNEL (B) - VA354	TS
2147	OA20C	134,097		140A/B SSV ORBITER	LARC - UNITARY PLAN WIND TUNNEL - 1057	Q2
2149	OA90	141,805		CONFIG. 4 (-140A/B) MODEL 72-0	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 110	QJ
2151	OH6	141,815		THERMOCOUPLE MODEL OF SSV ORB. 139	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 183	EQ
2152 R-01	OA81	134,423		VEHICLE 4 ORBITER (MODEL 51-0)	AEDC - HYPERVELOCITY WIND TUNNEL (F) - VA489	TO
2153	IH1	151,377		TANK ALONE	LARC - UNITARY PLAN WIND TUNNEL - 1071	Q7
2154	OH4A	134,437		MODEL 29-0	AEDC - HYPERSONIC WIND TUNNEL (B) - VA352	TT

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2155	OA110	134,406		B61C11F12M51W124E40	NRLAD - LOW SPEED WIND TUNNEL - 721	F5
2157	IH19	141,822		ORBITER WITH EXTERNAL TANK	LARC - HYPERSONIC NITROGEN TUNNEL - 28	QE
2159 V-01	OA59	134,410		140 A/B SSV ORBITER	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL - 709	ER
2159 V-02	OA59	134,412		140 A/B SSV ORBITER	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL - 709	ER
2162	OA36	134,430		140 A/B, VEHICLE 4	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 187	EP
2163	OA20B	134,403		140A/B	LARC - UNITARY PLAN WIND TUNNEL - 1097	Q2
2164 V-02	OH12 IH21	141,829		EXTERNAL TANK	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL - I73-100	UG
2167	OA98	141,550		140A/B	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 190	EQ
2171 V-01	OH38	144,584		140C ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 198	EZ

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2171 V-02	OH38	144,585		140C ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 198	EZ
2171 V-03	OH38	144,586		140C ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 198	EZ
2172	OA99	134,415		SSV ORBITER CONF. 2 (MODEL 21-O OF VL70-000139)	LARC - 60-FOOT VACUUM SPHERE VON KARMAN F ACILITIES - R3289	H7
2176	LA40		72661	139B ORBITER	LARC - 22-INCH HELIUM TUNNEL - 426	H3
2177	OA83	141,510		140A/B SSV ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 194	EW
2178	OA53B	134,119		140A/B	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 747	EK
2179	OS8A/B	151,378		SS ORBITER LOWER WING CARRY-THROUG H STRUCTURE WITH A DUMMY PANEL , A	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 705 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) -	EX
2182	LA49	151,062		089B/139	LARC - UNITARY PLAN WIND TUNNEL - 1101	HJ
2183	LA51		72661	140A/B	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 684	HV

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2184	LA48	151,061		089B/140	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 680	HI
2185	OA53C	134,120		140A/B	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 747	EL
2186	OA116	134,428		.015-SCALE ORBITER MODEL,CONFIGURA TION 140A/B (49-O)	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 686	HU
2187	OA119A	134,421		140A/B SPACE SHUTTLE ORBITER INNER MOLD LINE CONFIGURATION, (MODEL 1	NRLAD - LOW SPEED WIND TUNNEL - 726	F8
2190	OA108	141,537		0.004-SCALE ORBITER FORCE MODEL (7 4-O)	MSFC - 14-INCH TRISONIC WIND TUNNEL - 599	1D
2191	LA47		72661	140A/B	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 104	HH
2193	OH26	151,380		SS ORB. 140B MODEL (MODIFIED 22-O)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 199	E2
2195	OA82	134,442		ORBITER CONFIG. 3	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 113	HL
2196	OA79	141,531		ORBITER 140A/B	AEDC - HYPERSONIC WIND TUNNEL (B) - 71A	TW
2198	OA115	141,534		ORBITER 140A/B	AEDC - SUPERSONIC WIND TUNNEL (A) - 71A	TV

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2202	OA123	141,526		140A/B OUTER MOLD LINE CONFIGURATI ON	NRLAD - LOW SPEED WIND TUNNEL - 731	FA
2203	OA119B	141,524		140C OUTER MOLD LINE CONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL - 730	F9
2205	OA109	141,532		RI SPACE SHUTTLE ORBITER VEHICLE 4 (MODIFIED) CONFIGURATION	LARC - 22-INCH HELIUM TUNNEL - 431	HE
2209	OA124	141,536		MODEL 43-O	NRLAD - LOW SPEED WIND TUNNEL - 736	FB
2211 V-01	CA5	141,800		0.03-SCALE 45-0 (ORBITER) MODEL	TBCA - TRANSONIC WIND TUNNEL - 1431	GM
2211 V-02	CA5	141,803		0.03-SCALE 45-0 (ORBITER) MODEL	TBCA - TRANSONIC WIND TUNNEL - 1431	GM
2211 V-03	CA5	141,804		0.03-SCALE 45-0 (ORBITER) MODEL	TBCA - TRANSONIC WIND TUNNEL - 1431	GM
2214	OA89	141,513		140C MODIFIED SPACE SHUTTLE ORBITE R MODEL 74-0	LARC - HYPERSONIC NITROGEN TUNNEL - 30-31	QD
2215	LA58	144,592		SSV ORBITER CONFIGURATION 140A/B-0 .015 SCALE	LTV - HIGH SPEED WIND TUNNEL - 512	HY
2220 V-08	LA52		72661	140 A/B SPACE SHUTTLE ORBITER	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 6458	HN

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2221	OA143	141,548		140C CONFIGURATION ORBITER (MODEL 16-O)	NRLAD - LOW SPEED WIND TUNNEL - 737	FC
2222 V-01	OH49B	147,626		B25C1OM4F10E26R5V7W116	AEDC - HYPERSONIC WIND TUNNEL (B) - 57A	V1
2222 V-02	OH49B	147,627		B25C1OM4F10E26R5V7W116	AEDC - HYPERSONIC WIND TUNNEL (B) - 57A	V1
2225	OH4C	141,505		MODEL 21-O, LINES VL70-000139	AEDC - HYPERSONIC WIND TUNNEL (B) - VA352	TZ
2229	OA102	141,508		SSV 140A/B	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 687	HM
2232	OA131	141,521		MODEL 74-O, CONF. 4	MSFC - 14-INCH TRISONIC WIND TUNNEL - 607	1M
2233	LA59	151,068		72-OTS (B26C9E44F10FL10/11M16N28/8 6PS1-SR5S21T2,V8W116	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 703	HZ
2234	OA113	141,547		ORBITER WITH ELEVON AND BODY FLAP DEFLECTIONS	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL - I84-220	UH
2238	OA93	141,847		51-O	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL - I84-120	UI
2241 V-01	OH39	160,490		MODEL 60-3, VEH. 4	AEDC - HYPERSONIC WIND TUNNEL (B) - 74A	V9

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2241 V-02	OH39	160,491		MODEL 60-3, VEH. 4	AEDC - HYPERSONIC WIND TUNNEL (B) - 74A	V9
2241 V-03	OH39	160,492		MODEL 60-3, VEH. 4	AEDC - HYPERSONIC WIND TUNNEL (B) - 74A	V9
2241 V-04	OH39	160,493		MODEL 60-3, VEH. 4	AEDC - HYPERSONIC WIND TUNNEL (B) - 74A	V9
2245 V-01	OA161A/B/C	147,618		SPACE SHUTTLE VEHICLE ORBITER 140A /B (MODIFIED)	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL - 094	E7
2245 V-02	OA161A/B/C	147,619		SPACE SHUTTLE VEHICLE ORBITER 140A /B (MODIFIED)	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL - 094	E7
2246	LA65	144,600		WING-BODY WITH VARIATIONS	ARC - 12-FOOT PRESSURE TUNNEL - 086	NC
2247	OA160	141,834		MODEL 51-O OF MODIFIED VEH. 4 ORB. (B26 C9 E26 F7 M7 N28 R5 V8 W116)	AEDC - HYPERVELOCITY WIND TUNNEL (F) - 28A	VA
2250	OH43	141,539		15-O,FLAT PLATE MODEL	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 182	ND
2251	OH9	141,540		MODEL 29-O/VL70-006139	AEDC - HYPERSONIC WIND TUNNEL (B) - VA353	V5

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2252	OH25A	141,546		ORB.; 40(SEMISPAN; BODY FLUSH; LE AD. EDGE; TRANSITION;SEMISPAN WING	AEDC - HYPERSONIC WIND TUNNEL (B) - 83A	V6
2254 V-01	OA148 OA148P	144,619		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 073	E8
2254 V-02	OA148 OA148P	144,620		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 073	E8
2254 V-03	OA148 OA148P	144,621		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 073	E8
2254 V-04	OA148 OA148P	144,622		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 073	E8
2254 V-05	OA148 OA148P	144,623		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 073	E8
2254 V-06	OA148 OA148P	144,624		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 073	E8
2254 V-07	OA148 OA148P	144,625		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 073	E8

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2254 V-08	OA148 OA148P	144,626		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 073	E8
2254 V-09	OA148 OA148P	144,627		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 073	E8
2254 V-10	OA148 OA148P	144,628		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 073	E8
2254 V-11	OA148 OA148P	147,601		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 073	E8
2254 V-12	OA148 OA148P	147,602		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 073	E8
2254 V-13	OA148 OA148P	147,603		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 073	E8
2257	LA69	151,369		OUTER MOLD LINE MODEL 72-OTS	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 714	J9
2259	LA60A			TASK CANCELLED, MAY 1977	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 704	J1

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2261 V-01	OA100	167,364		ORBITER VEHICLE 101 WITHOUT TAILCO NE	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND T UNNEL - 462	NA
2261 V-02	OA100	167,365		ORBITER VEHICLE 101 WITHOUT TAILCO NE	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND T UNNEL - 462	NA
2263	OH74	144,596		140 C ORB (B62 C12 E52 F10 M16 R19 V8 W127)	AEDC - HYPERSONIC WIND TUNNEL (B) - B8A	VB
2264	LA62	141,843		SSV ORBITER 49-0 MODIFIED	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 717	J3
2265	OA159	141,832		CONFIG 1 ORBITER WITH NOSE AND TAI L RCS JETS	ARC - 12-FOOT PRESSURE TUNNEL - 078	NG
2266	LA67	144,607		140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	LTV - HIGH SPEED WIND TUNNEL - 552	FD
2267 V-01	MA22	147,604		REACTION CONTROL SYSTEM	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 118	JA
2267 V-02	MA22	147,605		REACTION CONTROL SYSTEM	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 118	JA
2267 V-03	MA22	147,606		REACTION CONTROL SYSTEM	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 118	JA

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2267 V-04	MA22	147,607		REACTION CONTROL SYSTEM	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 118	JA
2268 V-01	CA9 CA9P	151,396		ORBITER 47-O	TBCA - TRANSONIC WIND TUNNEL - 1477	GQ
2268 V-02	CA9 CA9P	151,397		ORBITER 47-O	TBCA - TRANSONIC WIND TUNNEL - 1477	GQ
2268 V-03	CA9 CA9P	151,398		ORBITER 47-O	TBCA - TRANSONIC WIND TUNNEL - 1477	GQ
2268 V-04	CA9 CA9P	151,399		ORBITER 47-O	TBCA - TRANSONIC WIND TUNNEL - 1477	GQ
2268 V-05	CA9 CA9P	151,400		ORBITER 47-O	TBCA - TRANSONIC WIND TUNNEL - 1477	GQ
2269	LA70	147,624		140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	CALSPAN - 8-FOOT TRANSONIC WIND TUNNEL - T18-103	UK
2270	LA63A	144,579		ORBITER W/ INDEPENDENTLY-OPERATED LEFT,RIGHT ELEVON SURFACES	LARC - UNITARY PLAN WIND TUNNEL - 1118	J4
2271	LA71A/B	151,044		MODEL 69-O WITH FOREBODY RSI MODS	LARC - UNITARY PLAN WIND TUNNEL - 1147 1132	JC
2273 V-01	CA26	144,612		48-O (O2, O4, O6, S1, ATY, ATX)	LTV - HIGH SPEED WIND TUNNEL - 559	FE

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2273 V-02	CA26	144,613		48-O (02, 04, 06, S1, ATY, ATX)	LTV - HIGH SPEED WIND TUNNEL - 559	FE
2273 V-03	CA26	144,614		48-O (02, 04, 06, S1, ATY, ATX)	LTV - HIGH SPEED WIND TUNNEL - 559	FE
2273 V-04	CA26	144,615		48-O (02, 04, 06, S1, ATY, ATX)	LTV - HIGH SPEED WIND TUNNEL - 559	FE
2273 V-05	CA26	144,616		48-O (02, 04, 06, S1, ATY, ATX)	LTV - HIGH SPEED WIND TUNNEL - 559	FE
2275 V-01	CA23B	144,603		0.0125-SCALE 747 MODEL	ARC - 14-FOOT TRANSONIC WIND TUNNEL - 120	NH
2275 V-02	CA23B	144,604		0.0125-SCALE 747 MODEL	ARC - 14-FOOT TRANSONIC WIND TUNNEL - 120	NH
2278	LA61			TEST CANCELLED, MAY 1976	LARC - LOW-TURBULENCE PRESSURE TUNNEL - 219	J2
2279	LA63B	144,606		140A/B/C (B26 C9 E43 F8 M16 N28 R5 V8 W)	LARC - UNITARY PLAN WIND TUNNEL - 1151	J4
2280	LA28	144,582		FLAT-PLATE MODEL WITH THIN-FILM H EAT FLUX GAGES	LTV - HIGH SPEED WIND TUNNEL - 498	QB
2281	LA66	147,621		BASELINE	ARC - 12-FOOT PRESSURE TUNNEL - 135-1	NJ

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2283	MA14	147,649		ORBITER 089B	LTV - LOW SPEED WIND TUNNEL - 422	FG
2285	OH50A	144,595		82-0, WITH AND WITHOUT PROTUBERANC ES, 50% FOREBODY MODELS	AEDC - HYPERSONIC WIND TUNNEL (B) - VA526/21BA	VE
2286	OA220	147,625		SSV ORBITER (MODEL 57-0) FOREBODY WITH TPS TILES ALONE	ARC - 14-FOOT TRANSONIC WIND TUNNEL - 150-1	NL
2288	OH64	151,384		BASE HEATING MODEL 25-0	LERC - SPACE POWER FACILITY -	GG
2289 V-01	OA163	147,611		SPACE SHUTTLE ORBITER 140C	NRLAD - LOW SPEED WIND TUNNEL - 751	FF
2289 V-02	OA163	147,612		SPACE SHUTTLE ORBITER 140C	NRLAD - LOW SPEED WIND TUNNEL - 751	FF
2289 V-03	OA163	147,613		SPACE SHUTTLE ORBITER 140C	NRLAD - LOW SPEED WIND TUNNEL - 751	FF
2289 V-04	OA163	147,614		SPACE SHUTTLE ORBITER 140C	NRLAD - LOW SPEED WIND TUNNEL - 751	FF
2290 V-01	CA8	147,641		747 ALONE	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL - 129	JF
2290 V-02	CA8	147,642		747 ALONE	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL - 129	JF

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2290 V-03	CA8	147,643		747 ALONE	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL - 129	JF
2294 V-01	OA172	160,822		140A/B SS ORBITER (MODEL 43-O) ORB ITER FERRY CONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL - 752	FG
2294 V-02	OA172	160,823		140A/B SS ORBITER (MODEL 43-O) ORB ITER FERRY CONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL - 752	FG
2296 V-01	LA81	147,609		.03614-SCALE ORBITER MODEL OF A 08 9B CONFIGURATION WITH A 139B CONFI	LARC - LOW-TURBULENCE PRESSURE TUNNEL - 229	JP
2296 V-02	LA81	147,610		.03614-SCALE ORBITER MODEL OF A 08 9B CONFIGURATION WITH A 139B CONFI	LARC - LOW-TURBULENCE PRESSURE TUNNEL - 229	JP
2297	LA45A/B	147,628		WING	LARC - UNITARY PLAN WIND TUNNEL - 1145	HB
2298	LA73A LA73B	151,409		SSV ORBITER MODEL 69-O	LARC - LOW-TURBULENCE PRESSURE TUNNEL - 227 LOW-TURBULENCE PRESSURE TUNNEL - 238	JE
2300	LA61B	147,629		140A/B/C (B26 C9 E43 F8 M16 N28 R5 V8 W)	LARC - LOW-TURBULENCE PRESSURE TUNNEL - 228	JT
2301	OH54A	144,605		MODELS 82-1, -3, -5, -8, -11, ALL 50 PERCENT FOREBODIES	AEDC - HYPERSONIC WIND TUNNEL (B) - 82A	VH

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2302 V-01	OA174	167,340		ORBITER VEHICLE 101 WITH TAIL CONE	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND TUNNEL - 479	NO
2302 V-02	OA174	167,341		ORBITER VEHICLE 101 WITH TAIL CONE	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND TUNNEL - 479	NO
2303	OH75	144,618		MODELS 82-1, -4, 50 PERCENT FOREBODIES	AEDC - HYPERSONIC WIND TUNNEL (B) - E3A	VG
2304	OA173	160,846		TAILCONE-ON	ARC - 12-FOOT PRESSURE TUNNEL - 180-1	NS
2305 V-01	LA76	151,059		B26C9E43F8M16N28R5V8W	LTV - HIGH SPEED WIND TUNNEL - 573	FI
2305 V-02	LA76	151,060		B26C9E43F8M16N28R5V8W	LTV - HIGH SPEED WIND TUNNEL - 573	FI
2307 V-01	CA14A	160,840		BOEING 747 CAM/ORBITER - ALT CONFIGURATION	TBCA - TRANSONIC WIND TUNNEL - 1496 1497	GR
2307 V-02	CA14A	160,841		BOEING 747 CAM/ORBITER - ALT CONFIGURATION	TBCA - TRANSONIC WIND TUNNEL - 1496 1497	GR
2309	LA72	147,644		FOREBODY B1, B6, B7	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 740	JD

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2311	LA78 LA87 LA88	147,620		B58C5E18F4R5V5W87-VEHICLE 2A (MODI FIED)	LARC - FREON TUNNEL - 267-268 22-INCH HELIUM TUNNEL - 446	J5
2314	OA176	151,406		LANDING	NRLAD - LOW SPEED WIND TUNNEL - 754	FJ
2317	OH53A	151,787		0.04-SCALE (83-0)ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 216	NV
2318 V-01	LA75	147,646		ORBITER-140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	LARC - UNITARY PLAN WIND TUNNEL - 1173	JH
2318 V-02	LA75	147,647		ORBITER-140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	LARC - UNITARY PLAN WIND TUNNEL - 1173	JH
2320 V-01	OA169	151,390		ORBITER 0.0125 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) - D8A	VJ
2320 V-02	OA169	151,391		ORBITER 0.0125 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) - D8A	VJ
2320 V-03	OA169	151,392		ORBITER 0.0125 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) - D8A	VJ
2321 V-01	OH69	151,410		ORBITER VEHICLE FOREBODY	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-E9A	VM

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2321 V-02	OH69	151,411		ORBITER VEHICLE FOREBODY	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-E9A	VM
2322	OA228	160,847		SPACE SHUTTLE ORBITER VEHICLE 102	NRLAD - LOW SPEED WIND TUNNEL - 757	FL
2329	OA224	160,837		SSV ORBITER (MODEL 57-0) FOREBODY W/ ADP, FTP, AND ADP AND FTP	LARC - 16-FOOT TRANSONIC TUNNEL - 312	JU
2330	OH52	147,637		CONF. 4, MODEL 29-0	AEDC - HYPERSONIC WIND TUNNEL (B) - 524	VO
2332	CA13	151,373		ORBITER- TAILCONE ON, TC23, STING MOUNTED	ARC - 14-FOOT TRANSONIC WIND TUNNEL - 121	NZ
2333 V-01	OA175	151,374		O1+TC23'ALT' CONFIGURATION WITH TA ILCONE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 187-1	2A
2333 V-02	OA175	151,375		O1+TC23'ALT' CONFIGURATION WITH TA ILCONE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 187-1	2A
2333 V-03	OA175	151,376		O1+TC23'ALT' CONFIGURATION WITH TA ILCONE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 187-1	2A
2336	LA145	167,375		LARC .0098-SCALE CAST ALUMINUM	LARC - UNITARY PLAN WIND TUNNEL - 1345 1390	7H

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2337	OA236	151,786		FLIGHT TEST PROBE CALIBRATION	NRLAD - LOW SPEED WIND TUNNEL - 759	FM
2340 V-01	OH98	160,501		0.0175-SCALE THIN-SKIN THERMOCOUPL E SHUTTLE ORBITER 60-0	AEDC - HYPERSONIC WIND TUNNEL (B) - J7A	VS
2340 V-02	OH98	160,502		0.0175-SCALE THIN-SKIN THERMOCOUPL E SHUTTLE ORBITER 60-0	AEDC - HYPERSONIC WIND TUNNEL (B) - J7A	VS
2342	OH54B	151,074		MODEL 82-0. 50% FOREBODY	AEDC - HYPERSONIC WIND TUNNEL (B) - 82A	VM
2343	LA85	160,849		ATP ORBITER	LARC - 22-INCH HELIUM TUNNEL - 445	JY
2344 V-01	LA77	151,788		ORBITER-140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 200-1	2B
2344 V-02	LA77	151,789		ORBITER-140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 200-1	2B
2348 V-01	CA15B	160,483		747-100 WITH CAM TYPE II KITS ATTA CHED	UW - LOW SPEED WIND TUNNEL - 1178	GT
2349	CA17	151,379		ORBITER B26.1C9E44F8M16R5V8W116	UW - LOW SPEED WIND TUNNEL - 1184	GW

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2350	OH46	151,065		140B ORB., MODEL 90-0	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 4502-4601	QR
2351	OA238	160,853		ORBITER 102 FOREBODY	NRLAD - LOW SPEED WIND TUNNEL - 764	FN
2352	LA91	151,383		ORBITER 140A/B/C B26C9E43F8M16N28 R5V8W	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 758	J6
2353	LA89	160,827		ALT	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 213-1	2E
2355	OH49A	151,066		B17 C7 E22 F7 M4 W104	AEDC - SUPERSONIC WIND TUNNEL (A) - VA525/218A	VW
2356	OH60	151,064		MODEL 83-0 (B60 C10)	AEDC - HYPERSONIC WIND TUNNEL (B) - B7A	VU
2358	OH50B	151,067		FORWARD 50 PERCENT FUSELAGE, MODEL 83-0	AEDC - HYPERSONIC WIND TUNNEL (B) - 58A	VL
2359	OH66	151,405		ROCKWELL VEHICLE 3 (MODIFIED) SHUT TLE ORBITER. MODEL 66-0	CALSPAN - 96-INCH HYPERSONIC SHOCK TUNNEL - 131	UO

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2360 V-01	OA221B/C	160,521		ORBITER VEHICLE 102 FOREBODY	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 119-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 119	2I
2360 V-02	OA221B/C	160,522		ORBITER VEHICLE 102 FOREBODY	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 119-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 119	2I
2361 V-01	OA163B	151,370		B68C12E55F10M16N28R5V8W127X9	NRLAD - LOW SPEED WIND TUNNEL - 768	FP
2361 V-02	OA163B	151,371		B68C12E55F10M16N28R5V8W127X9	NRLAD - LOW SPEED WIND TUNNEL - 768	FP
2363	OS7	151,057		55-0 (FIN, RUDDER)	LARC - TRANSONIC DYNAMICS TUNNEL - 246	HR
2364 V-01	OA145B	160,527		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 118-1	G2
2364 V-02	OA145B	160,528		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 118-1	G2

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2364 V-03	OA145B	160,529		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 118-1	G2
2365	OS6	151,056		MODEL 54-0	LARC - TRANSONIC DYNAMICS TUNNEL - 246	HR
2366	OH25B	151,063		140C (B17C7E22F5M4R5V7W103	AEDC - HYPERSONIC WIND TUNNEL (B) - 41B-83A	VY
2367	OH57A/B	151,773		MODEL 9I-0 ORBITER 102, DRWG VC-70-000002B	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-K3A	4A
2368	OH51	151,058		MODELS 46-0, 64-0 90-0	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 112	HD
2370 V-01	OA149B/C	151,790		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 115-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 115-1	2K
2370 V-02	OA149B/C	151,791		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 115-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 115-1	2K

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2370 V-03	OA149B/C	151,792		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 115-1 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 115-1	2K
2371	OH78	151,408		ORBITER VEHICLE 102	JSC - 56-A-76	GN
2373	LA99	160,821		LARC BUILT MODEL 201-0 0.030 SCALE SSV ORBITER WITH REMOTE ELEVONS	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 769	K9
2374	LA82 LA103	167,372		B20F4M16W87E19V5R5TC4	CALSPAN - 8-FOOT TRANSONIC WIND TUNNEL - T18-111 T18-113	UN
2375	OA237	160,530		ORBITER VEHICLE 102 FOREBODY	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND TUNNEL - 500	2M
2376 V-01	OA149A	151,779		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 115	2K
2376 V-02	OA149A	151,780		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 115	2K
2376 V-03	OA149A	151,781		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 115	2K

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2380 V-01	OA145A	151,801		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 118-1	2F
2380 V-02	OA145A	151,802		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 118-1	2F
2380 V-03	OA145A	151,803		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 118-1	2F
2380 V-04	OA145A	151,804		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 118-1	2F
2380 V-05	OA145A	151,805		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 118-1	2F
2380 V-06	OA145A	151,806		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 118-1	2F
2381	LA107			TEST CANCELLED SEPTEMBER 1978	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 780	KF
2382	OH8 IA109	151,382		MODEL 25-0 (VEH. 2A AFT OF STA. XO =1400 AND PROP. SIMULATION SYS.)	MSFC - NASA/MSFC IMPULSE BASE FLOW FACILI TY - 027	1U

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2385	OH15	151,366		MODEL 53-O (ELEVON/WING GAP)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 173	ED
2386	OH44	151,368		MODEL 53-O (ELEVON/ELEVON GAP)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 177	EH
2387	LA104			TEST CANCELLED SEPTEMBER 1978	LARC - LOW-TURBULENCE PRESSURE TUNNEL - 246	KA
2388	OH84A	167,676		MODEL 83-O (0.04-SCALE)	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-R4A	4E
2389 V-01	OA145C	160,810		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 118-1	2H
2389 V-02	OA145C	160,811		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 118-1	2H
2389 V-03	OA145C	160,812		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 118-1	2H
2390	LA101	160,481		MODEL 44 O SSV ORBITER WITH REMOTE CONTROLLED ELEVONS	LARC - UNITARY PLAN WIND TUNNEL - 1194	KD
2392	OA250	151,389		MODEL 45-O ORB, 140A/B CONF. (MODI FIED)	NRLAD - LOW SPEED WIND TUNNEL - 775	FQ

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2395	LA111	151,394		MODEL 44-0 (SILTS POD)	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 786	KJ
2396	LA110	151,393		MODEL 44-0 (SILTS POD)	LARC - UNITARY PLAN WIND TUNNEL - 1212	KI
2399	LA114	151,388		MODEL 44-0 (SILTS POD)	LARC - UNITARY PLAN WIND TUNNEL - 1217	KK
2400	OA234	160,518		ORBITER VEHICLE 102 FOREBODY	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL - 042	GY
2402	OA223	151,763		B75C16F64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	NRLAD - LOW SPEED WIND TUNNEL - 766	FO
2405 V-01	OA101	151,756		OV102	ARC - 12-FOOT PRESSURE TUNNEL - 218-1	2Q
2405 V-02	OA101	151,757		OV102	ARC - 12-FOOT PRESSURE TUNNEL - 218-1	2Q
2405 V-03	OA101	151,758		OV102	ARC - 12-FOOT PRESSURE TUNNEL - 218-1	2Q
2405 V-04	OA101	151,759		OV102	ARC - 12-FOOT PRESSURE TUNNEL - 218-1	2Q
2405 V-05	OA101	151,760		OV102	ARC - 12-FOOT PRESSURE TUNNEL - 218-1	2Q

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2405 V-06	OA101	151,761		OV102	ARC - 12-FOOT PRESSURE TUNNEL - 218-1	2Q
2409	LA115	160,842		ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 803	KL
2410	OH56	151,777		ORBITER WING TIP (MODEL 91-0)	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-R3A	HT
2414 V-01	OA232	160,484		B74C16N108PR4PR7PR8PR14VT18VT19	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 431	VR
2414 V-02	OA232	160,485		B74C16N108PR4PR7PR8PR14VT18VT19	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 431	VR
2415 V-01	OA208/209	151,784		SSV 102 ORBITER CONFIGURATION MODEL 105-0	AEDC - SUPERSONIC WIND TUNNEL (A) - V41B-P5A	4I
2415 V-02	OA208/209	151,785		SSV 102 ORBITER CONFIGURATION MODEL 105-0	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-P5A	4J
2417	OH58	151,770		93-0 FLAT PLATE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 235	2X
2419	OA270B/C	151,762		SSV OV102 ORBITER CONFIGURATION MODEL 104-0 INSTRUMENTED ELEVONS	LARC - 16-FOOT TRANSONIC TUNNEL - 325	KP

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2420	OH103A	167,385		MODEL 83-0 LINES VL70-000140C	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-V2A	4H
2421 V-01	OA251B/C	160,495		99-0	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 282-1 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	2Z
2421 V-02	OA251B/C	160,496		99-0	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 282-1 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	2Z
2424 V-01	OA126A,B,C	160,506		B62C9E64F9M16RSV8W131N112FD3N28	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY WIND TUNNEL - 289-1 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	2Y
2424 V-02	OA126A,B,C	160,507		B62C9E64F9M16RSV8W131N112FD3N28	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY WIND TUNNEL - 289-1 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	2Y
2424 V-03	OA126A,B,C	160,508		SSV 102 ORBITER CONFIGURATION 47-0	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY WIND TUNNEL - 289-1	3H
2426	LA124		TP1186	140A/B ORBITER	LARC - UNITARY PLAN WIND TUNNEL - 1207 LG2	KR

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2427	OH103B	167,675		MODEL 60-0; LINES VL70-000140C	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-V2C	4M
2430 V-01	OA270A	160,817		OV102(MODEL 39-0)	LARC - 16-FOOT TRANSONIC TUNNEL - 326	KN
2430 V-02	OA270A	160,818		OV102(MODEL 39-0)	LARC - 16-FOOT TRANSONIC TUNNEL - 326	KN
2430 V-03	OA270A	160,819		OV102(MODEL 39-0)	LARC - 16-FOOT TRANSONIC TUNNEL - 326	KN
2432	LA125	160,845		OV102 (105-0)	LARC - UNITARY PLAN WIND TUNNEL - 1243	KS
2433	OA171	151,764		0.02 SCALE ORBITER VEHICLE 102 (MO DEL 105-0), MODIFIED MODEL 89-0	NSWC - 1310	GJ
2434	OA129	151,782		ORBITER (47.0) OV102 WITH RIGID AN D FLEXIBLE TAIL	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 507	4N
2436 V-06	LA126		72661			KT
2443	OH79	151,769		65-0 SS ORBITER BASE HEATING MODEL	JSC - 61-A-78	5A
2445 V-01	OA146	167,652		SSV 14DA/B/C/R ORBITER	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 318-1	3G

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2445 V-02	OA146	167,653		SSV 14DA/B/C/R ORBITER	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 318-1	3G
2450	OS4A OS4B OS12	151,774			ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TUNNEL - 041,154,116	3Y
2451	OH90A/MA29	151,772			AEDC - HYPERSONIC WIND TUNNEL (B) - P4A	4S
2454 V-03	LA57		72661	140A/B ORBITER-BASELINE	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 114	HX
2455	OH102A	151,778		140C ORBITER WITH SLAB SIDED VERTICAL TAIL	AEDC - HYPERSONIC WIND TUNNEL (B) - 41B-65	4T
2458	OS36/37	167,668		HRSI TILE PANEL	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 369-1 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	3L
2459 V-01	OA310A OA310B OA310C	167,685		AFRSI SSV PRESSURE-LOADS MODEL 84-0	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 587-1	A2

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2459 V-02	0A310A 0A310B 0A310C	167,686		AFRSI SSV PRESSURE-LOADS MODEL 84-0	LERC - 8 BY 6-FOOT SUPERSONIC WIND TUNNEL - 046 /LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNNEL - 074	A4
2463	0S41 0S42 0S45	167,672		107-0 LRSI TILE PANEL	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 380-1 381-1	30
2464 V-01	0H84B	160,828		B62C12ES2F10M16V30W127 (56-0)	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-67	4U
2464 V-02	0H84B	160,829		B62C12ES2F10M16V30W127 (56-0)	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-67	4U
2464 V-03	0H84B	160,830		B62C12ES2F10M16V30W127 (56-0)	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-67	4U
2464 V-04	0H84B	160,831		B62C12ES2F10M16V30W127 (56-0)	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-67	4U
2464 V-05	0H105	160,832		B62C12E52F10M16R18V8W116T38S26 (60-0)	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-67	4V
2465	0S55/57	167,674		81-0 HRSI TILE PANEL	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 464	AJ

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2466 V-01	OA257	167,663		B75,C16,E64,F16,M52,N108,N110,N111 ,R20,V27,W131	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 6559	7E
2466 V-02	OA257	167,664	4	B75,C16,E64,F16,M52,N108,N110,N111 ,R20,V27,W131	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 6559	7E
2468	OH105B OH84C	167,352		ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 247 246	3R
2469	OS302A	167,367			ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 503-1	AL
2470	OS31A	167,658		LRSI (THIN TILE)	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 145-1	A1
2472	OH400	160,494		B75C16E64F16M52W131V29	AEDC - SUPERSONIC WIND TUNNEL (A) - V41B-65	4X
2473 V-01	OA252	167,388		TPS TILE CAVITY FLOW FIELD MODEL	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL - 382-1	3T
2473 V-02	OA252	167,389		TPS TILE CAVITY FLOW FIELD MODEL	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL - 382-1	3T
2477	LA141A/B	160,825		ORBITER 74-0	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 6546	KZ

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2478 V-01	LA131	160,503		B75C16E64F16FR22HG1M52N108N109N110 N111R20V27	LARC - UNITARY PLAN WIND TUNNEL - 1299	7A
2478 V-02	LA131	160,504		B75C16E64F16FR22HG1M52N108N109N110 N111R20V27	LARC - UNITARY PLAN WIND TUNNEL - 1299	7A
2478 V-03	LA131	160,505		B75C16E64F16FR22HG1M52N108N109N110 N111R20V27	LARC - UNITARY PLAN WIND TUNNEL - 1299	7A
2482 V-01	OA400	160,814		ORBITER - 470	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 427-1 427-2	3X
2482 V-02	OA400	160,815		ORBITER - 470	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 427-1 427-2	3X
2482 V-03	OA400	160,816		ORBITER - 470	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 427-1 427-2	3X
2483 V-01	OS49	167,357			AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - TF-556	T5
2483 V-02	OS49	167,358			AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - TF-556	T5

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2485	OS50 OS50A	167,361		CALIBRATION PANEL	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 425 425-1	AC
2486 V-01	OA253	167,368		B64C14E63F14M18N92N94R18U2V23W129	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 572	4Y
2486 V-02	OA253	167,369		B64C14E63F14M18N92N94R18U2V23W129	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 572	4Y
2487	OS43 OS51 OS51B OS51C	167,362		HRSI TILED PANEL	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 380-1 436-1,3	AM
2488	OS300	160,835		AFRSI PANEL	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL - 458	AE
2489	OS56	167,366			AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - TF-608	T8
2490 V-01	OH109	167,349		56-0	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-G9	4Z
2490 V-01	OH109	167,349		60-0	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-G9	4Z

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2490 V-02	OH109	167,350		56-0	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-G9	4Z
2490 V-02	OH109	167,350		60-0	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-G9	4Z
2490 V-03	OH109	167,351		60-0	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-G9	4Z
2490 V-03	OH109	167,351		56-0	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-G9	4Z
2491 V-01	OA258	167,659		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14V	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-HO	T1
2491 V-02	OA258	167,660		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14V	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-HO	T1
2491 V-03	OA258	167,661		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14V	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-HO	T1
2491 V-04	OA258	167,662		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14V	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-HO	T1
2492	OH107	167,359		OV-102 (RIGHT HAND WING AND TRUNCA TED AFT FUSELAGE)	AEDC - HYPERSONIC WIND TUNNEL (B) - V43B-17	T2
2493 V-01	OA259	167,665		B75,C16,E64,F16,M52,N108,N109,N110 ,N111,R20,V27,W131	AEDC - HYPERSONIC WIND TUNNEL (B) - V42B-145 V43B-14	T3

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2493 V-02	OA259	167,666		B75,C16,E64,F16,M52,N108,N109,N110 ,N111,R20,V27,W131	AEDC - HYPERSONIC WIND TUNNEL (B) - V42B-145 V43B-14	T3
2494	OH108	167,360		OV-102 ELEVON GAP	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 254	AH
2495	OH110	160,844		60-0	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 253	AG
2495	OH110	160,844		56-0	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 253	AG
2496 V-01	OH111	167,380		0.0175-SCALE 56-0	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-1C	T6
2496 V-02	OH111	167,381		0.0175-SCALE 56-0	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-1C	T6
2496 V-03	OH111	167,382		0.0175-SCALE 56-0	AEDC - HYPERSONIC WIND TUNNEL (B) - V41B-1C	T6
2498	OA255 OA256	167,656		102 (PRELIMINARY)	LARC - UNITARY PLAN WIND TUNNEL - 1311 16-FOOT TRANSONIC TUNNEL - 1358	7B
2499	OA164	160,836		B69C14DT1E54F14FD1FD2FR12HA1HG1M18 N92N94N107PR1R18V23VT1VT2W129	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND T UNNEL - 473	NM

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2500	OS301	160,848		115-0 AFRSI MATERIAL PANELS	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TUNNEL - 467-1	AK
2501	OS304A	167,373			ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 501-1	AP
2502	OS304B	167,378			ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 501-1	AQ
2503	OS53A OS53B	167,363		20A	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 905,6,7,9	7C
2504	OS302B	167,379			ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 503-1	AO
2505	OS46A-G	167,376			AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - TF-551	7T
2506	OS60,1,2,3	167,384			ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 500,07,31 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	AS

ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2507	MA33A/B	167,683		ORBITER MODEL 106-0	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 510-1 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	AU
2508	OS306A/B	167,650		FIXTURE 96-0	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 548-1 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	AV
2509	OA307A/B	167,654		FLAT PANEL W/FRCI-12 TILES	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 549-1 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	AW
2510	OS309A	167,651			ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 548-1	AY
2512	OA308	167,667		122-0	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TUNNEL - 542-1	AX
2513	OS313	167,678		MODEL 129-0	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - TF645	A3
2515	OS305-1/5	167,684		MODEL 125-0, AFRSI BONDED TO SUPPORT PLATE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 562-1/5	A7

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2516	OS311	167,688		MODEL 127-0, AFRSI BONDED TO SUPPO RT PLATE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 562-2/5	A8
2517	OS314A/B/C	167,689		AFRSI BLANKET PANELS FORM-FITTED O VER A TWO-DIMENSIONAL MODEL OF AN	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 582-1	A9
2519	OA309	167,692		140C SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 838	D2

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2006	IA1A	120,088		MSFC/NR PARAMETRIC LAUNCH VEHICLE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 556	77
2010	IA1B	120,060		NR ATP ORBITER/TANK AND SRMS ON AN D OFF	MSFC - 14-INCH TRISONIC WIND TUNNEL - 545	72
2011	MA9F	120,089		NR ATP ORBITER/EXTERNAL TANK AND S RBS	MSFC - 14-INCH TRISONIC WIND TUNNEL - 558	78
2013	IA2	128,762		SHUTTLE ORBITER/TANK SRM (N-040A)	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 616	BJ
2015 V-01	IA4	120,091		NASA SSV ORBITER ON NR EOHT WITH S INGLE BSRM	LTV - HIGH SPEED WIND TUNNEL - 458	DE
2015 V-02	IA4	120,091		NASA SSV ORBITER ON NR EOHT WITH S INGLE BSRM	LTV - HIGH SPEED WIND TUNNEL - 458	DE
2018	IA3	128,755		ATP LAUNCH CONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL - 693	DH
2024	IA7	128,766		040A SPACE SHUTTLE INTEGRATED VEHI CLE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 686	BL
2026	IA31F	128,778		MCR 0074 BASELINE LAUNCH VEHICLE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 566	81

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2027 V-01	IA32FB	141,807		ORB. WITH ET AND 2 SRB'S	MSFC - 14-INCH TRISONIC WIND TUNNEL - 567	82
2027 V-02	IA32FB	141,808		ROB. WITH ET AND 2 SRB'S	MSFC - 14-INCH TRISONIC WIND TUNNEL - 567	82
2027 V-03	IA32FB	141,809		ORB. WITH 2 SRB'S	MSFC - 14-INCH TRISONIC WIND TUNNEL - 567	82
2028 V-01	IA31FB	134,434		MCR 0074 ORBITER LAUNCH	MSFC - 14-INCH TRISONIC WIND TUNNEL - 570	83
2028 V-02	IA31FB	134,436		MCR 0074 ORBITER LAUNCH	MSFC - 14-INCH TRISONIC WIND TUNNEL - 570	83
2032 V-01	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-
2032 V-02	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2032 V-03	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-
2032 V-04	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-
2032 V-05	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-
2032 V-06	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-
2032 V-07	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2032 V-08	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 707	B-
2032 V-09	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 707	B-
2032 V-10	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 707	B-
2032 V-11	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 707	B-
2032 V-12	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 707	B-

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2032 V-13	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-
2032 V-14	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-
2032 V-15	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-
2032 V-16	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-
2032 V-17	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2032 V-18	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 707	B-
2039	IA6A	134,071		MODEL 2A ORBITER AND EXTERNAL TANK	MSFC - 14-INCH TRISONIC WIND TUNNEL - 571	85
2042	IA52	134,087		MFSC MODEL NO 453	MSFC - 14-INCH TRISONIC WIND TUNNEL - 584	98
2048	IA12B	134,104		2A CONFIGURATION	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 710	BV
2062 V-01	IA13	134,117		INTEGRATED VEHICLE CONFIG 3 (MODEL 32-OTS)	AEDC - SUPERSONIC WIND TUNNEL (A) - VA323	TJ
2062 V-02	IA13	134,118		INTEGRATED VEHICLE CONFIG. 3 (MODE L 32-OTS)	AEDC - SUPERSONIC WIND TUNNEL (A) - VA323	TJ
2062 V-03	IA13	141,801		INTEGRATED VEHICLE CONFIG. 3 (MODE L 32-OTS)	AEDC - SUPERSONIC WIND TUNNEL (A) - VA323	TJ
2063	IA37 IA48	128,788		INTEGRATED VEHICLE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 579/580	88
2064 V-01	IA36	141,814		INTEGRATED SSV 2A,3A MODIFIED	CALSPAN - 8-FOOT TRANSONIC WIND TUNNEL - T14-053	UF

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2064 V-02	IA36	141,816		INTEGRATED SSV 2A,3A MODIFIED	CALSPAN - 8-FOOT TRANSONIC WIND TUNNEL - T14-053	UF
2065 V-01	IA12C	141,518		2A CONFIGURATION	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 710	BZ
2065 V-02	IA120	141,519		2A CONFIGURATION	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 710	BZ
2065 V-03	IA12C	141,520		2A CONFIGURATION	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 710	BZ
2070	LA23	128,787		JSC 040A ORBITER WITH EHOT AND 2 S RM	LARC - LOW-TURBULENCE PRESSURE TUNNEL - 141	PU
2072	IA31FC	134,072		PRR BASELINE LAUNCH CONFIGURATION MCR 0074 BASELINE MODEL ELEMENTS	MSFC - 14-INCH TRISONIC WIND TUNNEL - 573	90
2077 V-01	IA29 0A63	134,095		140A/B ORB., VEH. 4 ET, 2 SRB'S SHUTTLE ORBITER VENT PRESSURE MODE L 36-OTS	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL - 630	EB
2077 V-02	IA29	134,099		140A/B ORB., VEH. 4 ET, 2 SRB'S	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL - 630	EB

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2077 V-03	OA63	134,100		140A/B ORB., VEH. 4 ET, 2 SRB'S	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL - 630	EB
2078	IA10	128,795		MODEL 32-OT WITH ORBITER, ET, SIMU LATED ENGINE PLUMES	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 169	B7
2084 V-01	IA14A	134,443		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1
2084 V-02	IA14A	134,444		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1
2084 V-03	IA14A	143,445		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1
2084 V-04	IA14A	143,446		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1
2084 V-05	IA14A	143,447		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1
2084 V-06	IA14A	143,448		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2084 V-07	IA14A	143,449		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1
2084 V-08	IA14A	143,450		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1
2084 V-09	IA14A	141,501		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1
2084 V-10	IA14A	141,502		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1
2084 V-11	IA14A	141,503		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 716	B1
2085	OH10 IH2	167,344		SPACE SHUTTLE INTEGRATED VEHICLE P RESSURE MODEL 26-OTS	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 171	B9
2093	IA37B	134,090		EXTERNAL TANK, T9 EXTERNAL TANK, T11	MSFC - 14-INCH TRISONIC WIND TUNNEL - 585	93
2098	IH15	134,096		B10C5D7F4M3V5W87 B10C5D7F4M3V5W87T8	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 172	B8
2099 V-01	OH4B	134,419		22-OT	AEDC - HYPERSONIC WIND TUNNEL (B) - VA352	TK

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2099 V-02	OH4B	134,438		22-OT	AEDC - HYPERSONIC WIND TUNNEL (B) - VA352	TK
2099 V-03	OH4B	134,439		22-OT	AEDC - HYPERSONIC WIND TUNNEL (B) - VA352	TK
2100	OH3A OH3B	134,075		ORB.(VL70-000139)/ET (VL78-00041) AND ORB. ALONE RI ORBITER (VL70-000139)	AEDC - HYPERSONIC WIND TUNNEL (B) - VA289	TM
2105	IH17	144,594		ORBITER + EXTERNAL TANK, SSV MODEL 41-OTS EXTERNAL TANK ALONE, SSV MODEL 41-OTS	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL - 646/647	PR
2108	IA35 OA64	134,084		B26C9E26F8M7N25R5N116 B26C9E26F8M7N25R5N116S12T12	LARC - UNITARY PLAN WIND TUNNEL - 1063	Q4
2110	IH18	144,589		ORBITER CONFIGURATION 2A EXTERNAL TANK	LARC - FREON TUNNEL - 97-118	QM
2112	IA57	134,401		INTEGRATED VEHICLE (CONFIGURATION 3)	AEDC - SUPERSONIC WIND TUNNEL (A) - VA422	TL
2118	IA41	134,108		MATED INTEGRATED VEHICLE MODEL(67-OTS)	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 667	Q8
2119	IA42A IA42B	134,109		CONFIGURATION 4 MATED SSV (67-OTS)	LARC - UNITARY PLAN WIND TUNNEL - 1056/1073	Q6
2122	IA69	134,424		LAUNCH CONFIGURATION (MODEL 67-OTS)	NRLAD - 7-FOOT TRISONIC WIND TUNNEL - 280	F3

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2123	IA53	141,504		LAUNCH CONFIGURATION LAUNCH CONFIGURATION WITH STRUTS	MSFC - 14-INCH TRISONIC WIND TUNNEL - 588	96
2129 V-01	IA14B	141,522		SSV 140A/B LAUNCH	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 716	B3
2129 V-02	IA14B	141,523		SSV 140A/B LAUNCH	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 716	B3
2136 V-01	IH3	141,514		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 178	EI
2136 V-02	IH3	141,515		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 178	EI
2136 V-03	IH3	141,516		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 178	EI
2136 V-04	IH3	141,517		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 178	EI
2137 V-01, R-01	IA60	134,103		CONFIGURATION 3, MODEL 32-0)	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 108	H1
2138 V-01	IH4	144,608		0.010-SCALE VERSION OF THE VEHICLE 3 SPACE SHUTTLE CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL - 1059	Q3

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER			DATASET 2-CHARACTER DESCRIPTOR
2138 V-02	IH4	144,609		0.010-SCALE VERSION OF THE VEHICLE 3 SPACE SHUTTLE CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL - 1059			Q3
2138 V-03	IH4	144,610		0.010-SCALE VERSION OF THE VEHICLE 3 SPACE SHUTTLE CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL - 1059			Q3
2138 V-04	IH4	144,611		0.010-SCALE VERSION OF THE VEHICLE 3 SPACE SHUTTLE CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL - 1059			Q3
2143	IA61A	144,587		INTEGRATED VEHICLE- CONFIGURATION 3 LINES	AEDC - SUPERSONIC WIND TUNNEL (A) - VA422			TQ
2144	IA68	134,427		LAUNCH CONFIGURATION	NRLAD - 7-FOOT TRISONIC WIND TUNNEL - 281			F4
2146	IS4	134,092		30-OTS	LARC - 26-INCH TRANSONIC BLOWDOWN TUNNEL - 547			HF
2148 V-01	IH20	134,440		22-OTS	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 185			EN
2148 V-02	IH20	134,441		22-OTS	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 185			EN
2153	IH1	151,377		ORBITER ALONE	LARC - UNITARY PLAN WIND TUNNEL - 1071			Q7
2156 V-01	IA17A	141,797		ORBITER WITH ET SEPARATING ISOLATED ORBITER	AEDC - HYPERSONIC WIND TUNNEL (B) - VA422			TR

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2156 V-02	IA17A	141,798		ORBITER WITH ET SEPARATING ISOLATED ORBITER	AEDC - HYPERSONIC WIND TUNNEL (B) - VA422	TR
2156 V-03	IA17A	141,799		ORBITER WITH ET SEPARATING ISOLATED ORBITER	AEDC - HYPERSONIC WIND TUNNEL (B) - VA422	TR
2157	IH19	141,822		ORBITER EXTERNAL TANK	LARC - HYPERSONIC NITROGEN TUNNEL - 28	QE
2158	IS6A	147,640		O13, T9, S7	MSFC - 14-INCH TRISONIC WIND TUNNEL - 582	1B
2160	IA18	134,413		52-OT ET ALONE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 191	ES
2164 V-01	OH12 IH21	141,828		MODEL 37-OT (CONFIG. 3 ORB AND ET) CONFIGURATION 3 ORBITER	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL - 173-100	UG
2164 V-02	OH12 IH21	141,829		MODEL 37-OT (CONFIG. 3 ORB AND ET) CONFIGURATION 3 ORBITER	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL - I73-100	UG
2164 V-03	OH12 IH21	141,830		MODEL 37-OT (CONFIG. 3 ORB AND ET) CONFIGURATION 3 ORBITER	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL - 173-100	UG
2166	IH16	141,534		ORB.+ET+SRB ET	LARC - UNITARY PLAN WIND TUNNEL - 1041	PQ
2168	LA32		71945	THERMAL PROTECTION SYSTEM	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 97	QO

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2169 V-01	IA81A	141,836		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 019	ET
2169 V-02	IA81A	141,837		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 019	ET
2169 V-03	IA81A	141,838		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 019	ET
2169 V-04	IA81A	141,839		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 019	ET
2169 V-05	IA81A	141,840		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 019	ET
2169 V-06	IA81A	141,841		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 019	ET
2169 V-07	IA81A	141,842		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 019	ET
2170 V-01	IA19	141,543		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 014	EU

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2170 V-02	IA19	141,544		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 014	EU
2170 V-03	IA19	141,545		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 014	EU
2173	IA8	134,107		6-OTS	ARC - 14-FOOT TRANSONIC WIND TUNNEL - 711	BK
2174 V-01	IA33	141,811		VEHICLE 5 CONFIGURATION	MSFC - 14-INCH TRISONIC WIND TUNNEL - 594	1C
2174 V-02	IA33	141,812		VEHICLE 5 CONFIGURATION	MSFC - 14-INCH TRISONIC WIND TUNNEL - 594	1C
2174 V-03	IA33	141,813		VEHICLE 5 CONFIGURATION	MSFC - 14-INCH TRISONIC WIND TUNNEL - 594	1C
2175 V-01	IA70	134,431		MODEL 49-O + 67TS INTEGRATED VEHICLE	NRLAD - 7-FOOT TRISONIC WIND TUNNEL - 282	F7
2175 V-02	IA70	134,432		MODEL 49-O + 67TS INTEGRATED VEHICLE	NRLAD - 7-FOOT TRISONIC WIND TUNNEL - 282	F7
2175 V-03	IA70	134,433		MODEL 49-O + 67TS INTEGRATED VEHICLE	NRLAD - 7-FOOT TRISONIC WIND TUNNEL - 282	F7

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2180 V-01	IH28	147,615		SSV ORBITER (MODEL(50-0) SSV EXT. TANK (MODEL 41-T)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 195	EV
2180 V-02	IH28	147,616		SSV ORBITER (MODEL(50-0) SSV EXT. TANK (MODEL 41-T)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 195	EV
2189	IA110	141,506		ORBITER 140A/B	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 052	E1
2192 V-01	IA87	141,541		O/ET; O/ET,SRB; SRB	AEDC - SUPERSONIC WIND TUNNEL (A) - 60A	TU
2192 V-02	IA87	141,542		O/ET; O/ET,SRB; SRB	AEDC - SUPERSONIC WIND TUNNEL (A) - 60A	TU
2194 V-01	IA81B	141,817		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 019	ET
2194 V-02	IA81B	141,818		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 019	ET
2194 V-03	IA81B	141,819		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 019	ET
2194 V-04	IA81B	141,820		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 019	ET

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2194 V-05	IA81B	141,821		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 019	ET
2199	LA43A/B LA43B		3315	ORBITER; ET; SRB	LARC - UNITARY PLAN WIND TUNNEL - 1074 1093	H5
2200	LA44		3336	ORBITER-140A/B; SRB; ET;	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 677	H6
2204	IA43	141,525		OTS,140A/B	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 693	HC
2206	IA44	141,528		0.010-SCALE OUTER MOLD LINE MODEL OF THE 140A/B CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL - 1088/1119	H8
2210	IH27	151,372		15-0 VIII (FLAT-PLATE CARRIER)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 200	E3
2212 V-01	IA80	147,632		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 023	E4
2212 V-02	IA80	147,633		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 023	E4
2212 V-03	IA80	147,634		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 023	E4

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2212 V-04	IA80	147,635		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 023	E4
2219 V-01	IA82C	144,597		LAUNCH VEHICLE 5	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 044	E5
2219 V-02	IA82C	144,598		LAUNCH VEHICLE 5	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 044	E5
2224	LA56	147,650		72-OTS (ORB., ET, SRM)	LARC - NASA LANGLEY RESEARCH CENTER - 699 8-FOOT TRANSONIC PRESSURE TUNNEL -	HW
2226	IA61B	141,507		SPACE SHUTTLE VEHICLE CONFIGURATIO N 3 MODEL 32-OTS SPACE SHUTTLE ORBITER MODEL 52-O	AEDC - SUPERSONIC WIND TUNNEL (A) - VA422 21AA	V4
2227	IA71	141,806		ORB./W/ET AND SRB 740TS; ORB. W/ET AND SRB'S 770, 74TS	MSFC - 14-INCH TRISONIC WIND TUNNEL - 610	1K
2230	IA17B	141,509		ORBITER-TANK MATED, MODEL 52-OT	AEDC - HYPERSONIC WIND TUNNEL (B) - VA422	V3
2231 V-01	IA82B	144,601		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 044	E6

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2231 V-02	IA82B	144,602		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 044	E6
2235	SA30F	141,810		SRB W/O HEAT SHIELD, W/HEAT SHIELD ON SKIRT, W/HEAT SHIELD ON NOZZLE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 611	1J
2240	IH41A	151,054		60-OTS THERMOCOUPLE MODEL	AEDC - SUPERSONIC WIND TUNNEL (A) - A4A	V7
2242 V-01	IA111	141,831		52-OTS	AEDC - SUPERSONIC WIND TUNNEL (A) - A3A	V8
2242 V-02	IA111	144,588		52-OTS	AEDC - SUPERSONIC WIND TUNNEL (A) - A3A	V8
2248	IH48	144,599		60 OTS SPACE SHUTTLE VEHICLE 5	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 211	NB
2249	IH33	151,775		37-OT SPACE SHUTTLE ORBITER/EXTERN AL TANK- .01 SCALE	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL - I85-131 96-INCH HYPERSONIC SHOCK TUNNEL -	UJ
2253	IA125	144,833		77-O, 77-OTS	MSFC - 14-INCH TRISONIC WIND TUNNEL - 622	1N
2255			62,444	SERIES-BURN, PARALLEL-BURN; 2 CANO PY CONFIGURATIONS;	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) -	NF

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2258 V-01	IA72	151,045		88-OTS MODIFIED W/OMS PODS AND COLD AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 072	NE
2258 V-02	IA72	151,046		88-OTS MODIFIED W/OMS PODS AND COLD AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 072	NE
2258 V-03	IA72	151,047		88-OTS MODIFIED W/OMS PODS AND COLD AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 072	NE
2258 V-04	IA72	151,048		88-OTS MODIFIED W/OMS PODS AND COLD AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 072	NE
2258 V-05	IA72	151,049		88-OTS MODIFIED W/OMS PODS AND COLD AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 072	NE
2258 V-06	IA72	151,050		88-OTS MODIFIED W/OMS PODS AND COLD AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 072	NE
2258 V-07	IA72	151,051		88-OTS MODIFIED W/OMS PODS AND COLD AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 072	NE
2258 V-08	IA72	151,052		88-OTS MODIFIED W/OMS PODS AND COLD AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) - 072	NE

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2258 V-09	IA72	151,053		88-OTS MODIFIED W/OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 072	NE
2272 V-01	IA114	151,077		SSV 3	AEDC - HYPERSONIC WIND TUNNEL (B) - C4A	VC
2272 V-02	IA114	151,078		SSV 3	AEDC - HYPERSONIC WIND TUNNEL (B) - C4A	VC
2274	FA14	144,593		74-OTS, VEH. 5 (ASCENT CONFIG.)	MSFC - 14-INCH TRISONIC WIND TUNNEL - 600	1L
2282	IH34	151,407		PLUME SIMULATION MODEL 19-OTS	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL - 038	GF
2284 V-01	IS2A/B	151,035		INTEGRATED SPACE SHUTTLE VEHICLE 84-OTS	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 113 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) -	NK
2284 V-02	IS2A/B	151,036		INTEGRATED SPACE SHUTTLE VEHICLE 84-OTS	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 113 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) -	NK
2293	IA40	151,381		MODEL 75-OTS (72-0 WING, 140C MOD. FUSELAGE, ET, SRB)	AEDC - SUPERSONIC WIND TUNNEL (A) - K1A	VT

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2295 V-01	IH41B	151,069		ET ALONE T34 ORBITER ALONE B62C12E52F10M16R18V 8W116	AEDC - SUPERSONIC WIND TUNNEL (A) - A4A	VF
2295 V-02	IH41B	151,070		ET ALONE T34 ORBITER ALONE B62C12E52F10M16R18V 8W116	AEDC - SUPERSONIC WIND TUNNEL (A) - A4A	VF
2295 V-03	IH41B	151,071		ET ALONE T34 ORBITER ALONE B62C12E52F10M16R18V 8W116	AEDC - SUPERSONIC WIND TUNNEL (A) - A4A	VF
2295 V-04	IH41B	151,072		ET ALONE T34 ORBITER ALONE B62C12E52F10M16R18V 8W116	AEDC - SUPERSONIC WIND TUNNEL (A) - A4A	VF
2295 V-05	IH41B	151,073		ET ALONE T34 ORBITER ALONE B62C12E52F10M16R18V 8W116	AEDC - SUPERSONIC WIND TUNNEL (A) - A4A	VF
2299	LA80		3497	ORBITER/747 FERRY VEHICLE	LARC - HIGH SPEED 7 BY 10-FOOT TUNNEL - 999	JN
2306 V-01	IA135A/B/C	167,354		O - B26C9E44F9M16R5V8W116 T - AT28AT29AT30AT31AT32AT128FL10F L11FR10PT22PT23PT24PT25PT26PT27T37	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL - 144-1	NQ
2306 V-02	IA135A/B/C	167,355		O - B26C9E44F9M16R5V8W116 T - AT28AT29AT30AT31AT32AT128FL10F L11FR10PT22PT23PT24PT25PT26PT27T37	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL - 144-1	NQ
2306 V-03	IA135A/B/C	167,356		O - B26C9E44F9M16R5V8W116 T - AT28AT29AT30AT31AT32AT128FL10F L11FR10PT22PT23PT24PT25PT26PT27T37	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL - 144-1	NQ

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2308	IH5	147,636		19-OTS	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL - I81	UL
2312 V-01	IH47	151,075		VEHICLE 5, TO INCLUDE SRB ALONE AN D OTS (SPIKE NOSE ET)	AEDC - SUPERSONIC WIND TUNNEL (A) - J3A	VI
2312 V-02	IH47	151,076		VEHICLE 5, TO INCLUDE SRB ALONE AN D OTS (SPIKE NOSE ET)	AEDC - SUPERSONIC WIND TUNNEL (A) - J3A	VI
2315	IA141	147,623		0.010-SCALE VL70-000140C INTEGRATE D SPACE SHUTTLE LAUNCH VEHICLE	NRLAD - 7-FOOT TRISONIC WIND TUNNEL - 297	FK
2316	IA137	147,622		FULL 331 INCH DIAMETER FOREBODY AN 80% (264.8 INCH) OF FULL DIAMET ER FOREBODY	ARC - 14-FOOT TRANSONIC WIND TUNNEL - 143-1	NY
2319	IH43	151,771		.01-SCALE SPACE SHUTTLE ORB/ET 59-OT	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL - I89 96-INCH HYPERSONIC SHOCK TUNNEL -	UM
2323	IA94A	151,039		0.010-SCALE 72-OTS MODEL	LARC - UNITARY PLAN WIND TUNNEL - 1152	JK
2324	IA94B	151,040		0.010-SCALE 72-OTS MODEL	LARC - UNITARY PLAN WIND TUNNEL - 1177	JW
2326 V-01	IA93	151,037		0.010-SCALE 72-OTS MODEL	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 749	JJ
2326 V-02	IA93	151,038		0.010-SCALE 72-OTS MODEL	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 749	JJ

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2327 V-01	IA22	151,079		CONFIG. 102 ORBITER AND ET, DESIGN ATED MODEL 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) - D9A	VK
2327 V-02	IA22	151,080		CONFIG. 102 ORBITER AND ET, DESIGN ATED MODEL 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) - D9A	VK
2327 V-03	IA22	151,081		CONFIG. 102 ORBITER AND ET, DESIGN ATED MODEL 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) - D9A	VK
2328	LA34 TND-8233			REUSABLE SURFACE INSULATION TILE G APS	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 105	QQ
2335	IA140A/B	151,783		VEHICLE 5 MODEL 74-OTS	MSFC - 14-INCH TRISONIC WIND TUNNEL - 641 646	1Q
2346 V-01	IA142	151,385		75-OTS	AEDC - SUPERSONIC WIND TUNNEL (A) - K1A	VQ
2346 V-02	IA142	151,386		75-OTS	AEDC - SUPERSONIC WIND TUNNEL (A) - K1A	VQ
2346 V-03	IA142	151,387		75-OTS	AEDC - SUPERSONIC WIND TUNNEL (A) - K1A	VQ
2354 V-01	IA143	151,401	1	MODEL 75-OTS (WING)	AEDC - SUPERSONIC WIND TUNNEL (A) - P8A	VX
2354 V-02	IA143	151,402	2	MODEL 75-OTS (WING)	AEDC - SUPERSONIC WIND TUNNEL (A) - P8A	VX

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2354 V-03	IA143	151,403	3	MODEL 75-OTS (WING)	AEDC - SUPERSONIC WIND TUNNEL (A) - P8A	VX
2354 V-04	IA143	151,404	4	MODEL 75-OTS (WING)	AEDC - SUPERSONIC WIND TUNNEL (A) - P8A	VX
2357	IH68	167,655		INTEGRATED VEHICLE ORBITER PLUS TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 222	2D
2372	IH72	160,843		OTS TANK ALONE	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-R2A	VZ
2377 V-01	IA144	167,342		O - 140A/B/C/R SRB - MODIFIED VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 228-1	2N
2377 V-02	IA144	167,343		O - 140A/B/C/R SRB - MODIFIED VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 228-1	2N
2378	IA191	160,820		MODEL 112-T	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 412-1	AA
2384 V-01	IA148	151,412		OV102 + ET (MODEL 70-OT)	AEDC - HYPERSONIC WIND TUNNEL (B) - TOA	4D
2384 V-02	IA148	151,413		OV102 + ET (MODEL 70-OT)	AEDC - HYPERSONIC WIND TUNNEL (B) - TOA	4D

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2391	IA244	167,346		OTS - SINGLE STING IN ORBITER OTS - ET AND SRB ON SEPERATE STING	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 779	KE
2393 V-01	IH51A	167,679		OT FLAT PLATE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 228-1	20
2393 V-02	IH51A	167,680		OT FLAT PLATE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 228-1	20
2393 V-03	IH51A	167,681		OT FLAT PLATE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 228-1	20
2393 V-04	IH51A	167,682		OT FLAT PLATE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 228-1	20
2397	LA113	167,347		O -140A/B/C/R T -MODIFIED VEHICLE 5	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 780	KH
2398 V-01	IA105A	160,850		B62C9E64W131M16N28N112R5V8FD3F9 T39	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 470	4B
2398 V-02	IA105A	160,851		B62C9E64W131M16N28N112R5V8FD3F9 T39	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 470	4B
2398 V-03	IA105A	160,852		B62C9E64W131M16N28N112R5V8FD3F9 T39	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 470	4B

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2401	IS1A/B/C OS3	151,395		11-OTS (ORB, ET, 2 SRB'S)	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL - 705-1	2S
2403 V-01	IA156A	160,515		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 470	4C
2403 V-02	IA156A	160,516		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 470	4C
2403 V-03	IA156A	160,517		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 470	4C
2404 V-01	IA119	160,510		88-OTS-.02 SCALE OF THE INTEGRATED SPACE SHUTTLE VEHICLE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 275-1	2R
2404 V-02	IA119	160,511		88-OTS-.02 SCALE OF THE INTEGRATED SPACE SHUTTLE VEHICLE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 275-1	2R
2404 V-03	IA119	160,512		88-OTS-.02 SCALE OF THE INTEGRATED SPACE SHUTTLE VEHICLE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 275-1	2R
2404 V-04	IA119	160,513		88-OTS-.02 SCALE OF THE INTEGRATED SPACE SHUTTLE VEHICLE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 275-1	2R

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2406	IA181	167,348		B62,C12,E62,F10,M16,N28,R5,V8,W127 AT16,AT17,AT18,FL5,FL6,FL9,FR6,PT1 3,PT14,PT20,T20	MSFC - 14-INCH TRISONIC WIND TUNNEL - 649	1U
2407	IH73	167,374		B22C7F5M4V7W111 T8	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 233-1	2V
2408 V-01	IA156B	160,498		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 272	2T
2408 V-02	IA156B	160,499		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 272	2T
2408 V-03	IA156B	160,500		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 272	2T
2412 V-01	IH90	167,386		60-OTS (B62C12E52F10M16R18V8W116T 38S26)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 234-1	2W
2412 V-02	IH90	167,387		60-OTS (B62C12E52F10M16R18V8W116T 38S26)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 234-1	2W
2413 V-01	IA105B	160,858		B62C9E64W131M16N28R5V8FD3F9 T39S27	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 242-1	2U
2413 V-02	IA105B	160,859		B62C9E64W131M16N28R5V8FD3F9 T39S27	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 242-1	2U

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2416	IA603	160,824		LBM SSLV	MSFC - TRISONIC WIND TUNNEL - 668	6C
2418	IH100	151,414		WEDGE SHAPED MODEL TO HOLD DFI GAS TEMP. PROBE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 227	3Z
2422	FH15	151,767		30/10/40-DEGREE CONE OGIVE	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-20	4K
2428 V-01	IH11	160,523		84-OTS- .035 SCALE MODEL OF THE IN TEGRATED SPACE SHUTTLE VEHICLE	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL - 045	GI
2428 V-02	IH11	160,524		84-OTS- .035 SCALE MODEL OF THE IN TEGRATED SPACE SHUTTLE VEHICLE	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL - 045	GI
2428 V-03	IH11	160,525		84-OTS- .035 SCALE MODEL OF THE IN TEGRATED SPACE SHUTTLE VEHICLE	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL - 045	GI
2428 V-04	IH11	160,526		84-OTS- .035 SCALE MODEL OF THE IN TEGRATED SPACE SHUTTLE VEHICLE	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL - 045	GI
2429	IH51B	167,353		OT FLAT PLATE 580TS	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 239	3C
2431 V-01	IH85	151,793		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-W5	4L

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2431 V-02	IH85	151,794		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-W5	4L
2431 V-03	IH85	151,795		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-W5	4L
2431 V-04	IH85	151,796		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-W5	4L
2431 V-05	IH85	151,797		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-W5	4L
2431 V-06	IH85	151,798		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-W5	4L
2431 V-07	IH85	151,799		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-W5	4L
2431 V-08	IH85	151,800		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-W5	4L
2435	IH39	151,415		INTEGRATED VEHICLE CONFIGURATION 5	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL - 041	GK
2437	FA25	151,766		MODEL 74-OTS MODEL 74-OTS WITH ORB. MOLD LINE C HANGES ON WING AND NOSE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 652	1X

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2438 V-01	IA138	160,855		PROPOSED VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 246-1	3D
2438 V-02	IA138	160,856		PROPOSED VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 246-1	3D
2438 V-03	IA138	160,857		PROPOSED VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 246-1	3D
2439	IA182	167,673		MODEL 47-OTS	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 517	4P
2440	IH83	151,765		SPACE SHUTTLE PLUME SIMULATION (MO DEL 19-OTS)	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL - 044	GZ
2444 V-01	IA183	160,488		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27VT10VT11VT12VT13VT14 VT15VT16VT17W131T39S27	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 519	4Q
2444 V-02	IA183	160,489		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27VT10VT11VT12VT13VT14 VT15VT16VT17W131T39S27	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 519	4Q
2448 V-01	IH51C	160,519			ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 241	3F

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2448 V-02	IH51C	160,520			ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 241	3F
2449	IA132	160,497		EXTENAL OXYGEN HYDROGEN TANK FOREB ODY MODEL	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) - 505	4R
2452	IH99	167,383		SSV SRB NOSE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 230	2P
2453	IH75	151,776		19-OTS-B64,C16,E63,F14,M18,N92,N94 ,V23,W129,S22,N106,T33	CALSPAN - LUDWIEG TUBE - I95-100	UQ
2456 V-01	IA184	160,486		0.03-SCALE SHUTTLE INTEGRATED VEHI CLE 47-OTS	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 347-1	3K
2456 V-02	IA184	160,487		0.03-SCALE SHUTTLE INTEGRATED VEHI CLE 47-OTS	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 347-1	3K
2457	IA180	160,813		EXTERNAL OXYGEN HYDROGEN TANK FORE BODY MODEL	LARC - UNITARY PLAN WIND TUNNEL - 1267	KV
2461	IH51D	167,677		MODEL 58-0	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 244	3N

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2462 V-01	IA131B/C	167,370		ET FOREBODY (T41)- LOUVERS OPEN, CT FAIRING AND GO2 LINE INSTALLED ET FOREBODY (T41)- LOUVERS OPEN, CT,FAIRING, AND GO2 LINE REMOVED	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 283-1 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	3E
2462 V-02	IA131B/C	167,371		ET FOREBODY (T41)- LOUVERS OPEN, CT FAIRING AND GO2 LINE INSTALLED ET FOREBODY (T41)- LOUVERS OPEN, CT,FAIRING, AND GO2 LINE REMOVED	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) - 283-1 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) -	3E
2464 V-06	IH102	160,833		B60C10 (83-0)	AEDC - SUPERSONIC WIND TUNNEL (A) - V41A-67	4W
2467	IH103	160,834		60-OT 56-0/60T	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 245	3P
2471	LA132	160,514		LAUNCH VEHICLE - 890TS	LARC - 16-FOOT TRANSONIC TUNNEL - 341	KW
2474	FA28	160,826		ORBITER ALONE LAUNCH CONFIGURATION (NO PROTUBERANCES ON ET)	MSFC - 14-INCH TRISONIC WIND TUNNEL - 656	1Z
2475	LA140	160,509		LAUNCH VEHICLE (89-OTS)	LARC - 16-FOOT TRANSONIC TUNNEL - 342	KY
2480	IH104	167,657		ORBITER+TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 250	3W

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2481	IA602	167,377		OTS (MODEL 74) OTS + LBM	MSFC - 14-INCH TRISONIC WIND TUNNEL - 665	6B
2511 V-01	IA300	167,669		75-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 561-1	AZ
2511 V-02	IA300	167,670		75-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 561-1	AZ
2511 V-03	IA300	167,671		75-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 561-1	AZ
2514	FA301	167,687		LAUNCH VEHICLE WITH INTERSTAGE FAI RINGS	MSFC - 14-INCH TRISONIC WIND TUNNEL - 692	A6

CARRIER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2201	CA3	160,854		BOEING 747 CARRIER (MODEL TE 1065)	UW - LOW SPEED WIND TUNNEL - 1136	GL
2211 V-01	CA5	141,800		0.03-SCALE AX 1319 I-1 (CARRIER) M ODEL	TBCA - TRANSONIC WIND TUNNEL - 1431	GM
2211 V-02	CA5	141,803		0.03-SCALE AX 1319 I-1 (CARRIER) M ODEL	TBCA - TRANSONIC WIND TUNNEL - 1431	GM
2211 V-03	CA5	141,804		0.03-SCALE AX-1319 I-1(CARRIER) MO DEL	TBCA - TRANSONIC WIND TUNNEL - 1431	GM
2217 V-01	CA20	141,844		0.03-SCALE 45-0 MODIFIED SSV ORBIT ER 140A/B	TBCA - TRANSONIC WIND TUNNEL - 1431	GN
2217 V-02	CA20	141,845		0.03-SCALE 45-0 MODIFIED SSV ORBIT ER 140A/B	TBCA - TRANSONIC WIND TUNNEL - 1431	GN
2217 V-03	CA20	141,846		0.03-SCALE 45-0 MODIFIED SSV ORBIT ER 140A/B	TBCA - TRANSONIC WIND TUNNEL - 1431	GN
2236	CA11	141,835		BOEING 747 MATED WITH AN EXTERNAL TANK	UW - LOW SPEED WIND TUNNEL - 1146	GO
2243	CA23A	144,583		MODEL 48-0/AX1318I-1 0.0125 SCALE	ARC - 14-FOOT TRANSONIC WIND TUNNEL - 080	E9
2262 V-01	CA6	147,630		CARRIER W/ ORB. ALONE, CARRIER ALO NE, MATED 747/ORBITER	TBCA - TRANSONIC WIND TUNNEL - 1472	GP

CARRIER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2262 V-02	CA6	147,631		CARRIER W/ ORB. ALONE, CARRIER ALONE, MATED 747/ORBITER	TBCA - TRANSONIC WIND TUNNEL - 1472	GP
2268 V-01	CA9 CA9P	151,396		BOEING AX1319P-1 CARRIER	TBCA - TRANSONIC WIND TUNNEL - 1477	GQ
2268 V-02	CA9 CA9P	151,397		BOEING AX1319P-1 CARRIER	TBCA - TRANSONIC WIND TUNNEL - 1477	GQ
2268 V-03	CA9 CA9P	151,398		BOEING AX1319P-1 CARRIER	TBCA - TRANSONIC WIND TUNNEL - 1477	GQ
2268 V-04	CA9 CA9P	151,399		BOEING AX1319P-1 CARRIER	TBCA - TRANSONIC WIND TUNNEL - 1477	GQ
2268 V-05	CA9 CA9P	151,400		BOEING AX1319P-1 CARRIER	TBCA - TRANSONIC WIND TUNNEL - 1477	GQ
2273 V-01	CA26	144,612		AX1318I-1, 747/1, 747/4	LTV - HIGH SPEED WIND TUNNEL - 559	FE
2273 V-02	CA26	144,613		AX1318I-1, 747/1, 747/4	LTV - HIGH SPEED WIND TUNNEL - 559	FE
2273 V-03	CA26	144,614		AX1318I-1, 747/1, 747/4	LTV - HIGH SPEED WIND TUNNEL - 559	FE
2273 V-04	CA26	144,615		AX1318I-1, 747/1, 747/4	LTV - HIGH SPEED WIND TUNNEL - 559	FE

CARRIER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2338	CS3	147,639		AX1322D-3,ORBITER MODEL 8-O	UW - LOW SPEED WIND TUNNEL - 1170	GU
2341	CS4/5	147,638		747CAM/ORBITER	TBCA - TRANSONIC WIND TUNNEL - 1490/1493	GV
2347 V-01	CA15A	160,482		.04 SCALE 747-100	UW - LOW SPEED WIND TUNNEL - 1173	GS
2348 V-01	CA15B	160,483		747-100 ALONE	UW - LOW SPEED WIND TUNNEL - 1178	GT
2349	CA17	151,379		CARRIER B29BW45N5857M2526T14Q12AT 115.1106.1V9.1.3FTS1	UW - LOW SPEED WIND TUNNEL - 1184	GW

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2273 V-05	CA26	144,616		AX1318I-1, 747/1, 747/4	LTV - HIGH SPEED WIND TUNNEL - 559	FE
2275 V-01	CA23B	144,603		0.0125-SCALE SSV ORBITER	ARC - 14-FOOT TRANSONIC WIND TUNNEL - 120	NH
2275 V-02	CA23B	144,604		0.0125-SCALE SSV ORBITER	ARC - 14-FOOT TRANSONIC WIND TUNNEL - 120	NH
2290 V-01	CA8	147,641		747/ORBITER-FERRY CONFIGURATION, 7 47/ORBITER-ALT CONFIGURATIONS	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL - 129	JF
2290 V-02	CA8	147,642		747/ORBITER-FERRY CONFIGURATION, 7 47/ORBITER-ALT CONFIGURATIONS	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL - 129	JF
2290 V-03	CA8	147,643		747/ORBITER-FERRY CONFIGURATION, 7 47/ORBITER-ALT CONFIGURATIONS	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL - 129	JF
2307 V-01	CA14A	160,840		BOEING 747 CAM W/TYPE II MODIFICAT ION (MODEL TR-1007)	TBCA - TRANSONIC WIND TUNNEL - 1496 1497	GR
2307 V-02	CA14A	160,841		BOEING 747 CAM W/TYPE II MODIFICAT ION (MODEL TR-1007)	TBCA - TRANSONIC WIND TUNNEL - 1496 1497	GR
2332	CA13	151,373		ORBITER- TAILCONE OFF, TAILCONE ON -TC19,	ARC - 14-FOOT TRANSONIC WIND TUNNEL - 121	NZ

EXTERNAL TANK DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2085	OH10 IH2	167,344			ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 171	B9
2133	IA58	134,110		EXTERNAL TANK	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 107	QK
2136 V-01	IH3	141,514		B17 C7 M4 F5 W103 E22 V7 R5	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 178	EI
2136 V-02	IH3	141,515		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 178	EI
2136 V-03	IH3	141,516		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 178	EI
2136 V-04	IH3	141,517		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 178	EI
2145	TA1F	134,420		EXTERNAL TANK WITH PROTUBERANCES EXTERNAL TANK WITHOUT PROTUBERANCE S	MSFC - 14-INCH TRISONIC WIND TUNNEL - 583	99
2153	IH1	151,377		SRB ALONE	LARC - UNITARY PLAN WIND TUNNEL - 1071	Q7
2165 V-01	TA2F	141,823		EXTERNAL TANK WITH AND WITHOUT PRO TUBERANCES,0.003 SCALE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 596	1A
2165 V-02	TA2F	141,824		EXTERNAL TANK WITH AND WITHOUT PRO TUBERANCES,0.003 SCALE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 596	1A

EXTERNAL TANK DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2165 V-03	TA2F	141,825		EXTERNAL TANK WITH AND WITHOUT PRO TUBERANCES,0.003 SCALE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 596	1A
2165 V-04	TA2F	141,826		EXTERNAL TANK WITH AND WITHOUT PRO TUBERANCES,0.003 SCALE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 596	1A
2165 V-05	TA2F	141,827		EXTERNAL TANK WITH AND WITHOUT PRO TUBERANCES,0.003 SCALE	MSFC - 14-INCH TRISONIC WIND TUNNEL - 596	1A
2181	TA9F	134,425		EXTERNAL TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 196	EY
2197	FH10	134,418		ET MODEL MCR0200	AEDC - HYPERVELOCITY WIND TUNNEL (F) - VA291	TX
2208 V-01	TA3F	144,590		MODEL NO. 470	MSFC - 14-INCH TRISONIC WIND TUNNEL - 609	1G
2208 V-02	TA3F	144,591		MODEL NO. 470	MSFC - 14-INCH TRISONIC WIND TUNNEL - 609	1G
2218	TH1F	151,367		EXTERNAL TANK	AEDC - HYPERVELOCITY WIND TUNNEL (F) - 25A	TY
2276	FH13	151,055		40-DEG NOSE-CLEAN(NO PROTUBERANCES) DOUBLE CONE(10-DEG-40-DEG)(NO PROT UBERANCES)	AEDC - SUPERSONIC WIND TUNNEL (A) - E1A	VD
2313 V-01	FH14	151,041		.0275 SCALE SPACE SHUTTLE EXTERNAL TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 215	NT

EXTERNAL TANK DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2313 V-02	FH14	151,042		.0275 SCALE SPACE SHUTTLE EXTERNAL TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 215	NT
2313 V-03	FH14	151,043		.0275 SCALE SPACE SHUTTLE EXTERNAL TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 215	NT
2423	FH16	151,768		30,10,40 DEGREES CONICAL SPIKE FOR ET	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 237	3A

Table 5-1

Wind Tunnel Tests/DMS Data Processing Summary

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - UPWT - 1002 / MA5 CR-128,750	AERODYNAMIC STABILITY AND CONTROL CHARACTERISTICS OF A .01925 SCALE MODEL NR ATP ORBITER AT MACH NUMBERS FROM 1.9 TO 4.63	NR ATP ORBITER	AERODYNAMIC STABILITY AND CONTROL CHARACTERISTICS OF NR ATP ORBITER CONFIGURATION	FORCE	0.01925 / 1.9 - 4.63	LARC / LARC - UNITARY PLAN WIND TUNNEL	R. FOURNIER, B. SPENCER /LARC J. E. VAUGHN J. L. GLYNN -DMS	DMS-DR-2001 NOV., 1972
LARC - 8TPT - 626 / LA1 CR-128,752	RESULTS OF TRANSONIC TESTS IN THE NASA/LARC 8 FOOT PRESSURE TUNNEL ON A 0.015 SCALE MODEL NR-PRR SPACE SHUTTLE ORBITER	NR PRR ORBITER	TRANSONIC AERODYNAMIC CHARACTERISTICS	FORCE	0.015 / 0.3 - 1.3	LARC / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL	R. MENNELL, B. SPENCER /NR R. SINGELLTON -DMS	DMS-DR-2002 MARCH, 1973
LARC - 22HT - 409 / MA2 CR-128,754	HYPERSONIC AERODYNAMICS OF NR-ATP ORBITER, ORBITER WITH EXTERNAL TANK, AND ASCENT CONFIGURATION	NR ATP ORBITER	HYPERSONIC AERODYNAMIC CHARACTERISTICS OF NR ATP ORBITER	FORCE	0.0045 / 20.3 -	LARC / LARC - 22-INCH HELIUM TUNNEL	G. C. ASHBY /LARC J. E. VAUGHN -DMS	DMS-DR-2003 APRIL, 1973
LTV - 1520SWT - S-081 / MA1 CR-120,082	LONGITUDINAL AERODYNAMIC CHARACTERISTICS OF LOW ASPECT RATIO WING CONFIGURATIONS IN GROUND EFFECT FOR A MOVING AND STATIONARY GROUND SURFACE	MSC 040A ORBITER	ELEVON EFFECTIVENESS AND ALTERNATE CONFIGURATION GEOMETRIES IN PRESENCE OF GROUND EFFECT	FORCE	0.05 / 0.067-	MSC / LTV - 15-FOOT BY 20-FOOT SUBSONIC WIND TUNNEL	P. ROMERE /MSC J. E. VAUGHN W. M. HALE -DMS	DMS-DR-2004 NOV., 1972

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - 14TWT - 555 / 0A1 CR-120,070	AERODYNAMIC STABILITY, CONTROL EFFECTIVENESS AND DRAG CHARACTERISTICS OF A SHUTTLE ORBITER CONFIGURATION AT MACH NUMBERS FROM 0.6 TO 4.96	NR ATP BASELINE ORBITER	AERODYNAMIC STABILITY AND CONTROL EFFECTIVENESS AND DRAG CHARACTERISTICS	FORCE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P. RAMSEY /MSFC V. W. SPARKS J. L. GLYNN -DMS	DMS-DR-2005 NOV., 1972
MSFC - 14TWT - 556 / IA1A CR-120,088	AERODYNAMIC STATIC STABILITY AND CONTROL EFFECTIVENESS OF A PARAMETRIC SHUTTLE LAUNCH CONFIGURATION	MSFC/NR PARAMETRIC LAUNCH VEHICLE	PERFORMANCE, STABILITY AND CONTROL CHARACTERISTICS	FORCE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P. E. RAMSEY /MSFC V. W. SPARKS J. L. GLYNN -DMS	DMS-DR-2006 DEC., 1972
ARC - 3.5HWT - 147 / 0A4 CR-128,760	RESULTS OF INVESTIGATIONS ON A 0.015 SCALE MODEL NORTH AMERICAN ROCKWELL SPACE SHUTTLE ORBITER IN THE NASA/ARC 3.5 FOOT HYPERSONIC WIND TUNNEL	NR SSV ORBITER	STATIC STABILITY AND TRIM CAPABILITY, COMPONENT INCREMENTAL EFFECTS	FORCE	0.015 / 7.3 -	ARC / ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	B. CAMERON, C. W. LAMONT /NR T. L. MULKEY W. R. MORGAN -DMS	DMS-DR-2007 MARCH, 1973
LARC - CFHT - 89 / MA4 CR-128,751	STATIC STABILITY AND PERFORMANCE CHARACTERISTICS OF THE A.T.P. ORBITER AT M=10.3	NR ATP ORBITER	AERODYNAMIC STABILITY AND PERFORMANCE AT HYPERSONIC MACH NO. OF 10	FORCE	0.0075 / 10.3 -	LARC / LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL	T. BLACKSTOCK /LARC V. W. SPARKS J. R. ZILER -DMS	DMS-DR-2008 JAN., 1973
LARC - CFHT - 89 / MA4 CR-128,751	STATIC STABILITY AND PERFORMANCE CHARACTERISTICS OF THE A.T.P. ORBITER AT M=10.3	NR ATP ORBITER	AERODYNAMIC STABILITY AND PERFORMANCE AT HYPERSONIC MACH NO. OF 10	FORCE	0.0075 / 10.3 -	LARC / LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL	T. BLACKSTOCK /LARC V. W. SPARKS J. R. ZILER -DMS	DMS-DR-2008 REVISION 01 MAY, 1973

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	AERODYNAMIC CHARA	SHUTTLE ORBITER O	GEOMETRIC VARIATI	FORCE	.015 /	ARC /	B. CAMERON, J. CA	DMS-DR-2009
66SWT -	CTERISTICS OF THE	A3	ON, LONGITUDINAL		0.6 -	ARC -	MPBELL, T.PAINE/R	JUNE, 1973
650 /	ROCKWELL INTERNA		AND LATERAL-DIREC		2.0	6-FOOT BY 6-FO	I	
OA3	TIONAL ORBITER OA		TIONAL STABILITY			OT SUPERSONIC	B. J. FRICKEN	
CR-128,761	3 AT MACH NUMBERS		EFFECTS			WIND TUNNEL	-DMS	
	FROM 0.6 TO 2.0							
MSFC -	DETERMINATION OF	NR ATP ORBITER/TA	AERODYNAMIC CHARA	FORCE	0.004 /	MSFC /	P. RAMSEY / MSFC	DMS-DR-2010
14TWT -	THE AERODYNAMIC I	NK AND SRMS ON AN	CTERISTICS DURING		0.60 -	MSFC -	- R. BUCHHOLZ /LM	MAY, 1973
545 /	NTERFERENCE BETWE	D OFF	SEPARATION		4.96	14-INCH TRISON	SC - E. ALLEN /RI	
IA1B	EN THE SPACE SHUT					IC WIND TUNNEL	- J. DEHART/NSI	
CR-120,060	TLE ORBITER, EXTE						V. W. SPARKS	
	RNAL TANK, AND SO						J. R. ZILER	
	LID ROCKET BOOSTE						-DMS	
	R ON A 0.004 SCAL							
	E ASCENT CONFIGUR							
	ATION							
MSFC -	SPACE SHUTTLE (AT	NR ATP ORBITER/EX	BASELINE SEPARATI	FORCE	0.004 /	MSFC /	J. RAMPY /NSI - K	DMS-DR-2011
14TWT -	P CONFIGURATION)	TERNAL TANK AND S	ON		0.9 -	MSFC -	. BLACKWELL / MSF	APRIL, 1973
558 /	ABORT STAGING INV	RBS			2.0	14-INCH TRISON	C - E. ALLEN /RI	
MA9F	ESTIGATION					IC WIND TUNNEL	- I. FOSSLER/MSC	
CR-120,089							V. W. SPARKS	
							J. R. ZILER	
							-DMS	
MSFC -	AERODYNAMIC CHARA	SRB(PRR)	DETERMINE STATIC	FORCE	0.0049 /	MSFC /	JOSH JOHNSON /MSF	DMS-DR-2012
14TWT -	CTERISTICS OF A 1		AERODYNAMIC CHARA		0.6 -	MSFC -	C - W. D. RADFORD	APRIL, 1973
554 /	62-INCH DIAMETER		CTERISTICS OF 162		3.48	14-INCH TRISON	/NSI - J. RAMPY /	
SA1F	SOLID ROCKET BOOS		-INCH DIAMETER SR			IC WIND TUNNEL	NSI	
CR-120,090	TER WITH AND WITH		B(PRR) WITH AND W				V. W. SPARKS	
	OUT STRAKES		ITHOUT STRAKES				J. R. ZILER	
							-DMS	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	EFFECT OF GASEOUS	SHUTTLE ORBITER/T	PLUME EFFECTS ON	FORCE	0.019 /	ARC /	J.B.DODS,JR.,/ARC	DMS-DR-2013
97SWT -	AND SOLID SIMULA	ANK SRM (N-040A)	STABILITY AND CON		1.6 -	ARC -	/ET AL	FEB., 1974
616 /	TED JET PLUMES ON		TROL CHARACTERIST		2.2	9-FOOT BY 7-FO	V. W. SPARKS	
IA2	AN 040A SPACE		ICS			OT SUPERSONIC	B. J. FRICKEN	
CR-128,762	SHUTTLE LAUNCH CO					WIND TUNNEL (U	-DMS	
	NFIGURATION AT MA					NITARY)		
	CH NUMBERS FROM 1							
	.6 TO 2.2							
LARC -	RESULTS OF SUPERS	NR PRR-SSV ORBITE	SUPERSONIC AERODY	FORCE	0.015 /	LARC /	B. SPENCER, R. ME	DMS-DR-2014
UPWT -	ONIC TESTS IN THE	R	NAMIC CHARACTERIS		2.5 -	LARC -	NNELL /NR	MARCH, 1973
1007 /	LARC UNITARY PLA		TICS		4.6	UNITARY PLAN W	J. E. VAUGHN	
0A7	N WIND TUNNEL ON		CONTROL EFFECTIVE			IND TUNNEL	B. J. FRICKEN	
CR-128,753	A .015 SCALE MODE		NESS				-DMS	
	L NR-PRR SPACE SH		MODEL COMPONENT E					
	UTTLE ORBITER		FFECTS					
			WING AREA-THICKNE					
			SS SURVEYS					
LTV -	AERODYNAMIC RESUL	NASA SSV ORBITER	EFFECTS OF BSRM S	FORCE	0.0075 /	LTV /	P. ROMERE/JSC, C.	DMS-DR-2015
HSWT -	TS OF SEPARATION	ON NR EOHT WITH S	EPARATION ON LONG		2.4 -	MSC /	ZIEGLER, VSD	VOLUME 01
458 /	TESTS IN THE VOUG	INGLE BSRM	ITUDINAL AND LATE		4.39	LTV -	J. RILEY, J.S. PR	JULY, 1973
IA4	HT AERONAUTICS 4X		RAL-DIRECTIONAL S			HIGH SPEED WIN	IGGE /ROCKWELL	
CR-120,091	4FT HSWT ON A .00		TABILITY AND CONT			D TUNNEL	J. E. VAUGHN	
	75 SCALE ROCKWELL		ROL CHARACTERISTI				B. J. FRICKEN	
	INTERNATIONAL-AT		CS				-DMS	
	P SHUTTLE INTEGRA							
	TED VEHICLE							
LTV -	AERODYNAMIC RESUL	NASA SSV ORBITER	EFFECTS OF BSRM S	FORCE	0.0075 /	MSC /	P. ROMERE/JSC, C.	DMS-DR-2015
HSWT -	TS OF SEPARATION	ON NR EOHT WITH S	EPARATION ON LONG		2.4 -	LTV -	ZIEGLER, VSD	VOLUME 02
458 /	TESTS ON THE VOUG	INGLE BSRM	ITUDINAL AND LATE		4.39	HIGH SPEED WIN	J. RILEY, J. S. P	JULY, 1973
IA4	HT AERONAUTICS 4F		RAL-DIRECTIONAL S			D TUNNEL	RIGGE/RI	
CR-120,091	T X 4FT HSWT ON A		TABILITY AND CONT				J. E. VAUGHN	
	.0075 SCALE ROCK		ROL CHARACTERISTI				B. J. FRICKEN	
	WELL INTERNATIONA		CS				-DMS	
	L-ATP SHUTTLE INT							
	EGRATED VEHICLE							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD - LSWT - 689 / 0A2 CR-120,092	RESULTS OF INVESTIGATIONS ON A 0.0405 SCALE MODEL ATP VERSION OF THE NR-SSV ORBITER IN THE NORTH AMERICAN AERONAUTICAL LABORATORY LOW SPEED WIND TUNNEL	NR ATP ORBITER	SUBSONIC AERODYNAMIC CHARACTERISTICS	FORCE	0.0405 / 0.165- 0.26	NR / NRLAD - LOW SPEED WIND TUNNEL	R. MENNELL /NR R. SINGELLTON -DMS	DMS-DR-2016 APRIL, 1973
NRLAD - LSWT - 690 / 0A5 CR-123,851	RESULTS OF INVESTIGATIONS ON A 0.0405 SCALE MODEL PRR VERSION OF THE NR-SSV ORBITER IN THE NORTH AMERICAN AERONAUTICAL LABORATORY LOW SPEED WIND TUNNEL	NR ATP ORBITER	SUBSONIC AERODYNAMIC CHARACTERISTICS	FORCE	0.0405 / 0.165- 0.26	NR / NRLAD - LOW SPEED WIND TUNNEL	R. KINGSLAND /NR R. SINGELLTON -DMS	DMS-DR-2017 APRIL, 1973
NRLAD - LSWT - 693 / IA3 CR-128,755	CROSS WIND LOADS INVESTIGATION OF A .01925 SCALE MODEL OF THE ATP-SSV LAUNCH CONFIGURATION	ATP LAUNCH CONFIGURATION	CROSSWIND LOADS	FORCE	0.01925 / 0.069- 0.25	NR / NRLAD - LOW SPEED WIND TUNNEL	L.S. KATOW /RI T. L. MULKEY S. W. BROWN -DMS	DMS-DR-2018 JUNE, 1973
NRLAD - LSWT - 694 / 0A6 CR-128,756	LOW SPEED LONGITUDINAL AND LATERAL STABILITY CHARACTERISTICS OF A PRR SHUTTLE ORBITER CONFIGURATION	ATP AND PRR ORBITER	INVESTIGATE CONFIGURATION VARIABLES TO IMPROVE TOUCHDOWN LIFT CAPABILITIES	FORCE	0.0405 / 0.165- 0.26	NR / NRLAD - LOW SPEED WIND TUNNEL	R. B. KINGSLAND/ROCKWELL T. L. MULKEY D. A. SARVER -DMS	DMS-DR-2019 JUNE, 1973
NRLAD - LSWT - 696 / 0A9 CR-128,757	LOW SPEED INVESTIGATION OF THE PRR PLANFORM WING BOTH IN AND OUT OF GROUND EFFECT	PRR ORBITER	OPTIMIZE PRR PLANFORM WING IN AND OUT OF GROUND EFFECT	FORCE	0.0405 / 0.16 - 0.26	NR / NRLAD - LOW SPEED WIND TUNNEL	R. B. KINGSLAND, L. KATOW /RI D. A. SARVER -DMS	DMS-DR-2020 JUNE, 1973

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	PRESSURE LOADS AN	-89A ORBITER	PRESSURE LOADS DA	PRESSURE	0.2 -	NR /	R. MENNELL /ROCKW	DMS-DR-2021
LSWT -	D AERODYNAMIC FOR		TA IN GROUND EFFE		0.2	NRLAD -	ELL	VOLUME 01
699 /	CE INFORMATION FO		CT			LOW SPEED WIND	H. C. ZIMMERLE	NOV., 1973
0A45	R THE -89A SPACE					TUNNEL	-DMS	
CR-128,758	SHUTTLE ORBITER C							
	ONFIGURATION							
NRLAD -	PRESSURE LOADS AN	-89A ORBITER	PRESSURE LOADS DA	PRESSURE	0.2 -	NR /	R. MENNELL /ROCKW	DMS-DR-2021
LSWT -	D AERODYNAMIC FOR		TA IN GROUND EFFE		0.2	NRLAD -	ELL	VOLUME 02
699 /	CE INFORMATION FO		CT			LOW SPEED WIND	H. C. ZIMMERLE	OCT., 1973
0A45	R THE -89A SPACE					TUNNEL	-DMS	
CR-128,758	SHUTTLE ORBITER C							
	ONFIGURATION							
NRLAD -	AERODYNAMIC CHARA	RI -89B ORBITER	LONGITUDINAL AND	FORCE	0.0405 /	NR /	R. B. KINGSLAND /	DMS-DR-2022
LSWT -	CTERISTICS OF THE		LATERAL-DIRECTION		0.16 -	NRLAD -	RI	JUNE, 1973
698 /	ROCKWELL INTERNA		AL STABILITY LEVE		0.26	LOW SPEED WIND	T. L. MULKEY	
0A10	TIONAL -89B SPACE		LS			TUNNEL	S. W. BROWN	
CR-128,759	SHUTTLE ORBITER						-DMS	
	CONFIGURATION							
LARC -	STATIC AERODYNAMI	LO-100 ORBITER	DETERMINE HYPERSO	FORCE	0.0050 /	LARC /	D. STONE /LARC	DMS-DR-2023
22HT -	C CHARACTERISTICS		NIC PERFORMANCE,		20.30-	LARC -	V. W. SPARKS	JUNE, 1973
411 /	AND OIL FLOW AND		STATIC STABILITY		20.30	22-INCH HELIUM	D. A. SARVER	
LA2	ELECTRON BEAM		AND CONTROL			TUNNEL	-DMS	
CR-128,763	RESULTS OF A 0.00		EFFECTIVENESS AND					
	5 SCALE MODEL LAN		EXAMINE FLOW ABO					
	GLEY CONCEPT SPAC		UT THE LO-100 ORB					
	E SHUTTLE ORBITER		ITER					
	(LO-100) AT A MAC							
	H NUMBER OF 20.3							
ARC -	WIND TUNNEL TEST	040A SPACE SHUTTL	STABILITY AND CON	FORCE	0.019 /	ARC /	R. B. HARDIN /RI	DMS-DR-2024
11TWT -	OF THE 0.019 (040	E INTEGRATED VEHI	TROL DATA, WING P	PRESSURE	0.9 -	ARC -	T. L. MULKEY	AUGUST, 1973
686 /	A) JET PLUME SPAC	CLE	RESSURE AND NOZZL		1.2	11-FOOT TRANSO	W. M. HALE	
IA7	E SHUTTLE INTEGRA		E PRESSURE DISTRI			NIC WIND TUNNE	-DMS	
CR-128,766	TED VEHICLE IN TH		BUTIONS			L (UNITARY)		
	E ARC 11-FOOT UNI							
	TARY WIND TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - 14TWT - 565 / SA3F CR-128,767	AERODYNAMIC CHARACTERISTICS OF A 142-INCH DIAMETER SOLID ROCKET BOOSTER WITH AND WITHOUT STRAKES	142-INCH DIAMETER SRB WITH AND WITHOUT STRAKES	DETERMINATION OF STATIC AERODYNAMIC FORCES AND MOMENTS WITH COMPONENT BUILD-UP	FORCE	0.00563 / 0.6 - 3.48	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	JOSH D. JOHNSON / NASA/MSFC WALTER D. RADFORD /NSI V. W. SPARKS A. T. KAVANAUGH -DMS	DMS-DR-2025 MAY, 1973
MSFC - 14TWT - 566 / IA31F CR-128,778	ARODYNAMIC INVESTIGATIONS ON A 0.004 SCALE MODEL MCR 0074 BASELINE SPACE SHUTTLE LAUNCH VEHICLE AT MACH NO. BETWEEN 0.6 AND 4.96	MCR 0074 BASELINE LAUNCH VEHICLE	DETERMINE THE EFFECTS OF MODEL PARAMETRIC VARIATIONS ON AERODYNAMIC STATIC STABILITY CHARACTERISTCS OVER A MACH NO. RANGE OF 0.6 TO 4.96	FORCE	0.004 / 0.6 2-.2	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	PAUL RAMSEY/MSFC - M. K. ROBERTSON/NORTHROP V. W. SPARKS B. W. MYERS -DMS	DMS-DR-2026 SEPT., 1973
MSFC - 14TWT - 567 / IA32FB CR-141,807	AN INVESTIGATION IN THE NASA MSFC 14-INCH TRISONIC WIND TUNNEL TO DETERMINE THE PRESSURE DISTRIBUTION OVER THE COMPONENTS OF A 0.004 SCALE VERSION OF THE ROCKWELL MCR 0074 BASELINE SHUTTLE ASCENT CONFIGURATION (IA32FB)	ORB. WITH ET AND 2 SRB'S		PRESSURE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P. E. RAMSEY /MSFC V. W. SPARKS M. M. MOSER JR. -DMS	DMS-DR-2027 VOLUME 01 SEPT., 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - 14TWT - 567 / IA32FB CR-141,808	AN INVESTIGATION IN THE NASA MSFC 14-INCH TRISONIC WIND TUNNEL TO DETERMINE THE PRESSURE DISTRIBUTION OVER THE COMPONENTS OF A 0.004 SCALE VERSION OF THE ROCKWELL MCR 0074 BASELINE SHUTTLE ASCENT CONFIGURATION (IA32F)	ROB. WITH ET AND 2 SRB'S	DETERMINE PRESSURE DISTRIBUTION OVER ET, SRB, ORBITER WING	PRESSURE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P. E. RAMSEY / MSFC V. W. SPARKS M. M. MOSER JR. -DMS	DMS-DR-2027 VOLUME 02 OCT., 1975
MSFC - 14TWT - 567 / IA32FB CR-141,809	AN INVESTIGATION IN THE NASA MSFC 14-INCH TRISONIC WIND TUNNEL TO DETERMINE THE PRESSURE DISTRIBUTION OVER THE COMPONENTS OF A 0.004 SCALE VERSION OF THE ROCKWELL MCR 0074 BASELINE SHUTTLE ASCENT CONFIGURATION (IA32F)	ORB. WITH 2 SRB'S	DETERMINE PRESSURE DISTRIBUTION OVER ET, SRB, ORBITER WING	PRESSURE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P. E. RAMSEY/MSFC V. W. SPARKS M. M. MOSER JR. -DMS	DMS-DR-2027 VOLUME 03 OCT., 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - 14TWT - 570 / IA31FB CR-134,434	TRIPLE BALANCE TEST OF THE PRR BASELINE SPACE SHUTTLE CONFIGURATION (TWT 570)	MCR 0074 ORBITER LAUNCH	TO OBTAIN FORCE AND MOMENT DATA FOR THE MCR 0074 ORBITER (PRR BASELINE), EXTERNAL TANK, AND SOLID ROCKET BOOSTER IN THE LAUNCH CONFIGURATION AND TO IDENTIFY KEY SIMULATION PARAMETERS TO BE USED IN LAUNCH VEHICLE WIND TUNNEL TESTS	FORCE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P.RAMSEY/NASA T.DAVIS/NSI V. W. SPARKS R. B. LOWE -DMS	DMS-DR-2028 VOLUME 01 DEC., 1974
MSFC - 14TWT - 570 / IA31FB CR-134,436	TRIPLE BALANCE TEST OF THE PRR BASELINE SPACE SHUTTLE CONFIGURATION (TWT 570)	MCR 0074 ORBITER LAUNCH	TO OBTAIN FORCE AND MOMENT DATA FOR THE MCR 0074 ORBITER (PRR BASELINE), EXTERNAL TANK, AND SOLID ROCKET BOOSTER IN THE LAUNCH CONFIGURATION AND TO IDENTIFY KEY SIMULATION PARAMETERS TO BE USED IN LAUNCH VEHICLE WIND TUNNEL TESTS	FORCE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P. RAMSEY/NASA T. DAVIS/NSI V. W. SPARKS R. B. LOWE -DMS	DMS-DR-2028 VOLUME 02 DEC., 1974
MSFC - 14TWT - 568 / 0A47 CR-128,765	RESULTS OF A STATIC STABILITY AND CONTROL EFFECTIVENESS INVESTIGATION OF A 0.004 SCALE 2A ORBITER IN THE MARSHALL SPACE FLIGHT CENTER TRISONIC WIND TUNNEL (MACH=0.6-4.96)	2A ORBITER 2A ORBITER WITH SYMETRICAL WING ORBITER BUILDUP	DETERMINE STATIC STABILITY AND CONTROL EFFECTIVENESS	FORCE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	E.C. ALLEN, T. TUTTLE, T. FOSTER / ROCKWELL J. E. VAUGHN W. R. MORGAN -DMS	DMS-DR-2029 MAY, 1973

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	AERODYNAMIC CHARA	-89B ROCKWELL INT	AFT-END CONFIGURA	FORCE	0.0405 /	NR /	R. B. KINGSLAND /	DMS-DR-2030
LSWT -	CTERISTICS OF VAR	ERNATIONAL SPACE	TION EFFECTS ON L		0.16 -	NRLAD -	RI	AUGUST, 1973
700 /	IOUS AFT-END CONF	SHUTTLE ORBITER	IFT, DRAG AND PIT			LOW SPEED WIND	T. L. MULKEY	
OA14	IGURATIONS OF THE		CHING MOMENT			TUNNEL	W. M. HALE	
CR-128,768	ROCKWELL INTERNA						-DMS	
	TIONAL -89B SPACE							
	SHUTTLE ORBITER							
LARC -	HYPERSONIC PERFOR	LO-100 ORBITER	ELEVON AND BODY F	FORCE	0.010 /	LARC /	PETER T. BERNOT /	DMS-DR-2031
CFHT -	MANCE, STABILITY		LAP EFFECTIVENESS		10.3 -	LARC -	LARC	JUNE, 1973
85 /	AND CONTROL CHARA					CONTINUOUS-FLO	V. W. SPARKS	
LA3	CTERISTICS OF A O					W HYPERSONIC T	S. W. BROWN	
CR-128,769	.010 SCALE MODEL					UNNEL	-DMS	
	OF A LANGLEY CONC							
	EPT SPACE SHUTTLE							
	ORBITER							
ARC -	RESULTS OF TESTS	17-OTS	TO OBTAIN AERODYN	FORCE	0.030 /	ARC /	GILLENS, SPANGLER	DMS-DR-2032
11TWT -	OA12 AND IA9 IN T		AMIC LOADS ON LAU		0.6 -	ARC -	/RI	VOLUME 01
707 /	HE AMES RESEARCH		NCH VEHICLE		1.4	11-FOOT TRANSO	H. C. ZIMMERLE	NOV., 1973
87SWT -	CENTER UNITARY					NIC WIND TUNNE	-DMS	
707 /	PLAN WIND TUNNELS					L (UNITARY)		
IA9A,B,C	ON AN 0.030-SCAL					8-FOOT BY 7-FO		
OA12A,C	E MODEL OF THE SP					OT SUPERSONIC		
CR-128,794	ACE SHUTTLE					WIND TUNNEL (U		
	VEHICLE 2A TO DET					NITARY)		
	ERMINE AERODYNAMI							
	C LOADS							
ARC -	RESULTS OF TESTS	17-OTS	TO OBTAIN AERODYN	FORCE	0.030 /	ARC /	GILLENS, SPANGLER	DMS-DR-2032
11TWT -	OA12 AND IA9 IN T		AMIC LOADS ON LAU		0.6 -	ARC -	/RI	VOLUME 02
707 /	HE AMES RESEARCH		NCH VEHICLE		1.4	11-FOOT TRANSO	H. C. ZIMMERLE	NOV., 1973
87SWT -	CENTER UNITARY					NIC WIND TUNNE	-DMS	
707 /	PLAN WIND TUNNELS					L (UNITARY)		
IA9A,B,C	ON AN 0.030-SCAL					8-FOOT BY 7-FO		
OA12A,C	E MODEL OF THE SP					OT SUPERSONIC		
CR-128,794	ACE SHUTTLE					WIND TUNNEL (U		
	VEHICLE 2A TO DET					NITARY)		
	ERMINE AERODYNAMI							
	C LOADS							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 707 / 87SWT - 707 / IA9A,B,C OA12A,C CR-128,794	RESULTS OF TESTS OA12 AND IA9 IN T HE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCAL E MODEL OF THE SP ACE SHUTTLE VEHICLE 2A TO DET ERMINE AERODYNAMI C LOADS	17-OTS	TO OBTAIN AERODYN AMIC LOADS ON LAU NCH VEHICLE	FORCE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY) 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	GILLENS, SPANGLER /RI H. C. ZIMMERLE -DMS	DMS-DR-2032 VOLUME 03 OCT., 1973
ARC - 11TWT - 707 / 87SWT - 707 / IA9A,B,C OA12A,C CR-128,794	RESULTS OF TESTS OA12 AND IA9 IN T HE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCAL E MODEL OF THE SP ACE SHUTTLE VEHICLE 2A TO DET ERMINE AERODYNAMI C LOADS	17-OTS	TO OBTAIN AERODYN AMIC LOADS ON LAU NCH VEHICLE	PRESSURE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY) 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	GILLENS, SPANGLER /RI H. C. ZIMMERLE -DMS	DMS-DR-2032 VOLUME 04 DEC., 1973
ARC - 11TWT - 707 / 87SWT - 707 / IA9A,B,C OA12A,C CR-128,794	RESULTS OF TESTS OA12 AND IA9 IN T HE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCAL E MODEL OF THE SP ACE SHUTTLE VEHICLE 2A TO DET ERMINE AERODYNAMI C LOADS	17-OTS	TO OBTAIN AERODYN AMIC LOADS ON LAU NCH VEHICLE	PRESSURE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY) 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	GILLENS, SPANGLER /RI H. C. ZIMMERLE -DMS	DMS-DR-2032 VOLUME 05 DEC., 1973

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	17-OTS	TO OBTAIN AERODYN	PRESSURE	0.030 /	ARC /	GILLENS, SPANGLER	DMS-DR-2032
11TWT -	OA12 AND IA9 IN T		AMIC LOADS ON LAU		0.6 -	ARC -	/RI	VOLUME 06
707 /	HE AMES RESEARCH		NCH VEHICLE		1.4	11-FOOT TRANSO	H. C. ZIMMERLE	DEC., 1973
87SWT -	CENTER UNITARY					NIC WIND TUNNE	-DMS	
707 /	PLAN WIND TUNNELS					L (UNITARY)		
IA9A,B,C	ON AN 0.030-SCAL					8-FOOT BY 7-FO		
OA12A,C	E MODEL OF THE SP					OT SUPERSONIC		
CR-128,794	ACE SHUTTLE					WIND TUNNEL (U		
	VEHICLE 2A TO DET					NITARY)		
	ERMINE AERODYNAMI							
	C LOADS							
ARC -	RESULTS OF TESTS	17-OTS	TO OBTAIN AERODYN	PRESSURE	0.030 /	ARC /	GILLENS, SPANGLER	DMS-DR-2032
11TWT -	OA12 AND IA9 IN T		AMIC LOADS ON LAU		0.6 -	ARC -	/RI	VOLUME 07
707 /	HE AMES RESEARCH		NCH VEHICLE		1.4	11-FOOT TRANSO	H. C. ZIMMERLE	DEC., 1973
87SWT -	CENTER UNITARY					NIC WIND TUNNE	-DMS	
707 /	PLAN WIND TUNNELS					L (UNITARY)		
IA9A,B,C	ON AN 0.030-SCAL					8-FOOT BY 7-FO		
OA12A,C	E MODEL OF THE SP					OT SUPERSONIC		
CR-128,794	ACE SHUTTLE					WIND TUNNEL (U		
	VEHICLE 2A TO DET					NITARY)		
	ERMINE AERODYNAMI							
	C LOADS							
ARC -	RESULTS OF TESTS	17-OTS	TO OBTAIN AERODYN	PRESSURE	0.030 /	ARC /	GILLENS, SPANGLER	DMS-DR-2032
11TWT -	OA12 AND IA9 IN T		AMIC LOADS ON LAU		0.6 -	ARC -	/RI	VOLUME 08
707 /	HE AMES RESEARCH		NCH VEHICLE		1.4	11-FOOT TRANSO	H. C. ZIMMERLE	DEC., 1973
87SWT -	CENTER UNITARY					NIC WIND TUNNE	-DMS	
707 /	PLAN WIND TUNNELS					L (UNITARY)		
IA9A,B,C	ON AN 0.030-SCAL					8-FOOT BY 7-FO		
OA12A,C	E MODEL OF THE SP					OT SUPERSONIC		
CR-128,794	ACE SHUTTLE					WIND TUNNEL (U		
	VEHICLE 2A TO DET					NITARY)		
	ERMINE AERODYNAMI							
	C LOADS							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 707 / 87SWT - 707 / IA9A,B,C OA12A,C CR-128,794	RESULTS OF TESTS OA12 AND IA9 IN T HE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCAL E MODEL OF THE SP ACE SHUTTLE VEHICLE 2A TO DET ERMINE AERODYNAMI C LOADS	17-OTS	TO OBTAIN AERODYN AMIC LOADS ON LAU NCH VEHICLE	PRESSURE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY) 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	GILLENS, SPANGLER /RI H. C. ZIMMERLE -DMS	DMS-DR-2032 VOLUME 09 JAN., 1974
ARC - 11TWT - 707 / 87SWT - 707 / IA9A,B,C OA12A,C CR-128,794	RESULTS OF TESTS OA12 AND IA9 IN T HE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCAL E MODEL OF THE SP ACE SHUTTLE VEHICLE 2A TO DET ERMINE AERODYNAMI C LOADS	17-OTS	TO OBTAIN AERODYN AMIC LOADS ON LAU NCH VEHICLE	PRESSURE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY) 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	GILLENS, SPANGLER /RI H. C. ZIMMERLE -DMS	DMS-DR-2032 VOLUME 10 JAN., 1974
ARC - 11TWT - 707 / 87SWT - 707 / IA9A,B,C OA12A,C CR-128,794	RESULTS OF TESTS OA12 AND IA9 IN T HE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCAL E MODEL OF THE SP ACE SHUTTLE VEHICLE 2A TO DET ERMINE AERODYNAMI C LOADS	17-OTS	TO OBTAIN AERODYN AMIC LOADS ON LAU NCH VEHICLE	PRESSURE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY) 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	GILLENS, SPANGLER /RI H. C. ZIMMERLE -DMS	DMS-DR-2032 VOLUME 11 JAN., 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 707 / 87SWT - 707 / IA9A,B,C OA12A,C CR-128,794	RESULTS OF TESTS OA12 AND IA9 IN T HE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCAL E MODEL OF THE SP ACE SHUTTLE VEHICLE 2A TO DET ERMINE AERODYNAMI C LOADS	17-OTS	TO OBTAIN AERODYN AMIC LOADS ON LAU NCH VEHICLE	PRESSURE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY) 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	GILLENS, SPANGLER /RI H. C. ZIMMERLE -DMS	DMS-DR-2032 VOLUME 12 JAN., 1974
ARC - 11TWT - 707 / 87SWT - 707 / IA9A,B,C OA12A,C CR-128,794	RESULTS OF TESTS OA12 AND IA9 IN T HE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCAL E MODEL OF THE SP ACE SHUTTLE VEHICLE 2A TO DET ERMINE AERODYNAMI C LOADS	17-OTS	TO OBTAIN AERODYN AMIC LOADS ON LAU NCH VEHICLE	PRESSURE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY) 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	GILLENS, SPANGLER /RI H. C. ZIMMERLE -DMS	DMS-DR-2032 VOLUME 13 MARCH, 1974
ARC - 11TWT - 707 / 87SWT - 707 / IA9A,B,C OA12A,C CR-128,794	RESULTS OF TESTS OA12 AND IA9 IN T HE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCAL E MODEL OF THE SP ACE SHUTTLE VEHICLE 2A TO DET ERMINE AERODYNAMI C LOADS	17-OTS	TO OBTAIN AERODYN AMIC LOADS ON LAU NCH VEHICLE	PRESSURE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY) 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	GILLENS, SPANGLER /RI H. C. ZIMMERLE -DMS	DMS-DR-2032 VOLUME 14 MARCH, 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	17-OTS	TO OBTAIN AERODYN	PRESSURE	0.030 /	ARC /	GILLENS, SPANGLER	DMS-DR-2032
11TWT -	OA12 AND IA9 IN T		AMIC LOADS ON LAU		0.6 -	ARC -	/RI	VOLUME 15
707 /	HE AMES RESEARCH		NCH VEHICLE		1.4	11-FOOT TRANSO	H. C. ZIMMERLE	MARCH, 1974
87SWT -	CENTER UNITARY					NIC WIND TUNNE	-DMS	
707 /	PLAN WIND TUNNELS					L (UNITARY)		
IA9A,B,C	ON AN 0.030-SCAL					8-FOOT BY 7-FO		
OA12A,C	E MODEL OF THE SP					OT SUPERSONIC		
CR-128,794	ACE SHUTTLE					WIND TUNNEL (U		
	VEHICLE 2A TO DET					NITARY)		
	ERMINE AERODYNAMI							
	C LOADS							
ARC -	RESULTS OF TESTS	17-OTS	TO OBTAIN AERODYN	PRESSURE	0.030 /	ARC /	GILLENS, SPANGLER	DMS-DR-2032
11TWT -	OA12 AND IA9 IN T		AMIC LOADS ON LAU		0.6 -	ARC -	/RI	VOLUME 16
707 /	HE AMES RESEARCH		NCH VEHICLE		1.4	11-FOOT TRANSO	H. C. ZIMMERLE	APRIL, 1974
87SWT -	CENTER UNITARY					NIC WIND TUNNE	-DMS	
707 /	PLAN WIND TUNNELS					L (UNITARY)		
IA9A,B,C	ON AN 0.030-SCAL					8-FOOT BY 7-FO		
OA12A,C	E MODEL OF THE SP					OT SUPERSONIC		
CR-128,794	ACE SHUTTLE					WIND TUNNEL (U		
	VEHICLE 2A TO DET					NITARY)		
	ERMINE AERODYNAMI							
	C LOADS							
ARC -	RESULTS OF TESTS	17-OTS	TO OBTAIN AERODYN	PRESSURE	0.030 /	ARC /	GILLENS, SPANGLER	DMS-DR-2032
11TWT -	OA12 AND IA9 IN T		AMIC LOADS ON LAU		0.6 -	ARC -	/RI	VOLUME 17
707 /	HE AMES RESEARCH		NCH VEHICLE		1.4	11-FOOT TRANSO	H. C. ZIMMERLE	APRIL, 1974
87SWT -	CENTER UNITARY					NIC WIND TUNNE	-DMS	
707 /	PLAN WIND TUNNELS					L (UNITARY)		
IA9A,B,C	ON AN 0.030-SCAL					8-FOOT BY 7-FO		
OA12A,C	E MODEL OF THE SP					OT SUPERSONIC		
CR-128,794	ACE SHUTTLE					WIND TUNNEL (U		
	VEHICLE 2A TO DET					NITARY)		
	ERMINE AERODYNAMI							
	C LOADS							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 707 / 87SWT - 707 / IA9A,B,C OA12A,C CR-128,794	RESULTS OF TESTS OA12 AND IA9 IN THE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 2A TO DETERMINE AERODYNAMIC LOADS	17-OTS	TO OBTAIN AERODYNAMIC LOADS ON LAUNCH VEHICLE	PRESSURE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	GILLENS, SPANGLER/RI H. C. ZIMMERLE-DMS	DMS-DR-2032 VOLUME 18 MAY, 1974
LARC - UPWT - 995 / 1014 / LA4 CR-128,772	SUPERSONIC STABILITY AND CONTROL CHARACTERISTICS OF A LANGLEY CONCEPT SPACE SHUTTLE ORBITER AT MACH 1.5 TO 4.63	LO-100 ORBITER	SUPERSONIC STABILITY CHARACTERISTICS	FORCE	0.01 / 1.5 - 4.63	LARC / LARC - UNITARY PLAN WIND TUNNEL	D.R.STONE/LARC,B.SPENCER/NR R. SINGELLTON-DMS	DMS-DR-2033 JULY, 1973
LARC - 22HT - 405 / LA22 CR-128,764	AERODYNAMIC AND FLOW VISUALIZATION STUDIES ON A SPACE SHUTTLE CONCEPT WITH A DOUBLE DELTA WING ORBITER AT A MACH NUMBER OF 20.3	DOUBLE DELTA WING ORBITER	LONGITUDINAL AND LATERAL-DIRECTIONAL CHARACTERISTICS, AND CONTROL EFFECTIVENESS AS WELL AS FLOW VISUALIZATION STUDIES	FORCE	0.004 / 20.3 -	LARC / LARC - 22-INCH HELIUM TUNNEL	W.C. WOODS, DAVID R. STONE, JAMES P. ARRINGTON /LARC J. E. VAUGHN S. W. BROWN -DMS	DMS-DR-2034 JULY, 1973
ARC - 3.5HWT - 158 / OH2A OH2B CR-134,077	THERMAL PROTECTION SYSTEM GAP HEATING RATES OF THE ROCKWELL INTERNATIONAL FLAT PLATE HEAT TRANSFER MODEL	THERMAL PROTECTION SYSTEM	TO OBTAIN AERODYNAMIC HEATING RATE DATA IN AND AROUND GAPS AT THE TPS	HEAT-TRANS	1.0 / 5.1 - 5.1	ARC / ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	T. F. FOSTER, W. J. GRIFALL/RI W. K. LOCKMAN/ARC D. A. SARVER M. M. MOSER JR. -DMS	DMS-DR-2035 APRIL, 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	AERODYNAMIC AND F	LARC LO-100 ORBIT	DEFINE THE EFFECT	FORCE	.0040 /	LARC /	DAVID R. STONE /N	DMS-DR-2036
22HT -	LOW-VISUALIZATION	ER	S OF WING-FILLET		20.3	LARC -	ASA LARC	AUGUST, 1973
413 /	STUDIES ASSOCIAT		AND WING LEADING-			22-INCH HELIUM	D. E. POUCHER	
LA5	ED WITH VARIATION		EDGE SWEEP ANGLES			TUNNEL	-DMS	
CR-128,775	S IN THE GEOMETRY		AT HYPERSONIC SPE					
	OF THE FORWARD P		EDS					
	ORTION OF IRREGUL							
	AR PLANFORM WINGS							
	AT A MACH NUMBER							
	OF 20.3							
LTV -	RESULTS OF INVEST	140A/B ORBITER	TO DETERMINE LONG	FORCE	0.015 /	R.I. /	V. ESPARZA /ROCK	DMS-DR-2037
HSWT -	IGATIONS ON A 0.0	140A/B ORBITER WI	ITUDINAL AND LATE		0.6 -	LTV -	WELL INTERNATIONA	SEPT., 1974
488 /	15-SCALE 140A/B C	THOUT VERTICAL TA	RAL-DIRECTIONAL S		4.6	HIGH SPEED WIN	L	
0A84	ONFIGURATION	IL	TABILITY AND			D TUNNEL	W.R. EMBURY /ROCK	
CR-134,405	SPACE SHUTTLE VEH	140A/B ORBITER WI	CONTROL CHARACTER				WELL INTERNATIONA	
	ICLE ORBITER MODE	THOUT VERTICAL TA	ISTICS FOR THE UP				L	
	L (49-0) IN THE L	IL AND WING	-DATED SSV CONFIG				D. A. SARVER	
	TV 4 BY 4-FOOT		URATION				V. W. SPARKS	
	HIGH SPEED WIND T						-DMS	
	UNNEL							
NRLAD -	RESULTS OF LOW SP	NR ORBITER	INVESTIGATE AEROD	FORCE	0.0405 /	NR /	R. MENNELL, B. CA	DMS-DR-2038
LSWT -	EED WIND TUNNEL T		YNAMIC AND PROPUL		0.12 -	NRLAD -	MERON/ROCKWELL IN	FEB., 1974
701 /	ESTS ON A .0405 S		SION EFFECTS OF V		0.20	LOW SPEED WIND	TERNATIONAL	
0A16	CALE MODEL ROCKWE		ARIOUS AIR BREATH			TUNNEL	J. E. VAUGHN	
CR-128,793	LL SPACE SHUTTLE		ING ENGINE SYSTEM				J. R. ZILER	
	ORBITER TESTED BO		S IN FORCED AIR A				-DMS	
	TH IN FREE AIR AN		ND IN THE PRESENC					
	D IN THE PRESENCE		E OF THE GROUND					
	OF A GROUND PLAN							
	E							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - 14TWT - 571 / IA6A CR-134,071	RESULTS OF WIND TUNNEL TESTS AT MACH 5 ON THE .004 SCALE MODEL 2A CONFIGURATION SPACE SHUTTLE TO DETERMINE PROXIMITY EFFECTS AND ORBITER CONTROL EFFECTIVENESS DURING ORBITER/EXTERNAL TANK ABORT SEPARATION	MODEL 2A ORBITER AND EXTERNAL TANK	DETERMINE PROXIMITY EFFECTS ON THE AERODYNAMIC FORCES AND MOMENTS EXPERIENCED BY VEHICLE 2A CONFIGURATION SHUTTLE ORBITER AND EXTERNAL TANK DURING AND ABORT SEPARATION	FORCE	.004 / 5.0 - 5.0	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	W. P. GARTON /ROCKWELL J. E. VAUGHN A. T. KAVANAUGH -DMS	DMS-DR-2039 MARCH, 1974
LARC - 8TPT - 643 / LA6 CR-128,773	SURFACE ROUGHNESS EFFECTS ON THE TRANSONIC AERODYNAMICS OF THE ROCKWELL INTERNATIONAL 089B-139 ORBITER	NAR 089-B-139 ORBITER	SURFACE ROUGHNESS EFFECTS ON TRANSONIC AERODYNAMICS	FORCE	0.0188 / .35- 1.2	LARC / LARC -. 8-FOOT TRANSONIC PRESSURE TUNNEL	G.M. WARE, B. SPENCER /LARC V. W. SPARKS B. W. MYERS -DMS	DMS-DR-2040 AUGUST, 1973
LARC - 8TPT - 644 / LA7A CR-128,781	TRANSONIC AERODYNAMIC CHARACTERISTICS ASSOCIATED WITH VARIATIONS IN THE GEOMETRY OF THE FORWARD PORTION OF IRREGULAR PLANFORM WINGS	LARC LO-100 ORBITER (SHIPS)	TRANSONIC AERODYNAMIC CHARACTERISTICS ASSOCIATED WITH VARIATIONS IN THE GEOMETRY OF THE FORWARD PORTION OF IRREGULAR PLANFORM WINGS	FORCE	0.010 / 0.35 - 1.2	LARC / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL	BERNARD SPENCER,JR. /NASA LARC D. E. POUCHER -DMS	DMS-DR-2041 OCT., 1973
MSFC - 14TWT - 584 / IA52 CR-134,087	RESULTS OF FLOW VISUALIZATION STUDIES IN THE NASA/MSFC 14 X 14 INCH TRISONIC WIND TUNNEL ON A .004 SCALE MODEL (34-O) SPACE SHUTTLE ORBITER AND INTEGRATED VEHICLE	ORBITER ALONE MFSC MODEL NO 453	FLOW VISUALIZATION STUDIES	FORCE	0.004 / 0.9 - 5.0	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	W. P. GARTON/RI J. E. VAUGHN -DMS	DMS-DR-2042 MARCH, 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	HEAT TRANSFER DAT	RSI TILES,ORBITER	HEAT TRANSFER DAT	HEAT-TRANS	1.00 /	LARC /	C. B. JOHNSON /LA	DMS-DR-2043
8VDHT -	A TO CAVITIES BET		A FOR RSI TILES		8.0 -	LARC -	RC	JUNE, 1973
624 /	WEEN SIMULATED RS					MACH 8 VARIABL	W. M. HALE	
LA16	I TILES AT MACH 8					E-DENSITY HYPE	-DMS	
CR-128,770						RSONIC TUNNEL		
ARC -	RESULTS OF INVEST	SHUTTLE ORBITER 2	DETERMINE LONGITU	FORCE	.015 /	ARC /	MORRIS D. MILAM/R	DMS-DR-2044
3.5HWT -	IGATIONS ON A 0.0	A	DINAL AND LATERAL		5.27 -	ARC -	OCKWELL	OCT., 1973
157 /	15-SCALE MODEL 2A		-DIRECTIONAL STAB		7.32	3.5-FOOT HYPER	JACK A. MELLENTHI	
OA11A	CONFIGURATION OF		ILITY			SONIC WIND TUN	N/NASA AMES	
CR-128,786	THE ROCKWELL INT		ESTABLISH TRIM CA			NEL	B. J. FRICKEN	
	ERNATIONAL SPACE		PABILITY				-DMS	
	SHUTTLE ORBITER I							
	N THE NASA/AMES R							
	ESEARCH CENTER 3.							
	5 FOOT HYPERSONIC							
	WIND TUNNEL							
NRLAD -	RESULTS OF INVEST	ROCKWELL SSV ORBI	OBTAIN SIX COMPON	FORCE	0.0405 /	NR /	D.G.WALSTAD /NR	DMS-DR-2045
LSWT -	IGATIONS (OA18) O	TER	ENT FORCE DATA AN		0.16 -	NRLAD -	D. E. POUCHER	SEPT., 1973
704 /	F A 0.0405 SCALE		D ELEVON HINGE MO		0.26	LOW SPEED WIND	-DMS	
OA18	MODEL OF THE 2A A		MENT DATA			TUNNEL		
CR-128,779	ND 3 SPACE SHUTTL							
	E ORBITER CONFIGU							
	RATIONS IN THE NO							
	RTH AMERICAN AERO							
	NAUTICAL LABORATO							
	RY LOW SPEED WIND							
	TUNNEL AT M = 0.							
	26 AND 0.16							
LARC -	AERODYNAMIC STABI	LARC LO-100 ORBIT	TRANSONIC AERODYN	FORCE	0.01 /	LARC /	BERNARD SPENCER,J	DMS-DR-2046
8TPT -	LITY AND CONTROL	ER	AMIC PERFORMANCE,		0.35 -	LARC -	R. /NASA LARC	AUGUST, 1973
648 /	CHARACTERISTICS O		STABILITY AND CON		1.2	8-FOOT TRANSON	D. E. POUCHER	
LA17	F A LANGLEY CONCE		TROL AND CONTROL			IC PRESSURE TU	-DMS	
CR-128,776	PT SPACE SHUTTLE		EFFECTIVENESS			NNEL		
	ORBITER (LO-100)							
	AT MACH NUMBERS O							
	F 0.35 TO 1.2							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	EFFECT OF WALL TO	040A SPACE SHUTTL	IO	HEAT-TRANS	.006 /	LARC /	J. C. DUNAVANT/LA	DMS-DR-2047
CFHT -	TOTAL TEMPERATUR	E CONFIGURATION			10 -	LARC -	RC	FEB., 1974
98 /	E RATIO VARIATION				10	CONTINUOUS-FLO		
LA31	ON HEAT TRANSFER					W HYPERSONIC T		
CR-134,086						UNNEL		
ARC -	WIND TUNNEL TEST	2A CONFIGURATION	TO OBTAIN FORCE A	FORCE	0.019 /	ARC /	R. B. HARDIN, R.	DMS-DR-2048
97SWT -	OF THE 0.019 (2A		ND MOMENT DATA, W	PRESSURE	1.55 -	ARC -	R. BURROWS /ROCKW	JULY, 1974
710 /	CONFIGURATION) JE		ING PRESS. DIST.,		2.0	9-FOOT BY 7-FO	ELL	
IA12B	T PLUME SPACE SHU		ELEVON AND RUDDER			OT SUPERSONIC	L. R. GUIST /ARC	
CR-134,104	TTLE INTEGRATED V		BENDING MOMENTS			WIND TUNNEL (U	B. J. FRICKEN	
	EHICLE IN THE ARC		AND DETERMINE EFF			NITARY)	-DMS	
	9- BY 7-FOOT UNI		ECT OF SRM AND MP					
	TARY WIND TUNNEL		S PLUMES, SRM AND					
			ORB. NOZZLE GIMB					
			AL ANGLES, AND SR					
			M SHROUDS OFF					
LARC -	AERODYNAMIC HEATI	NR 2A ORBITER	DETERMINATION OF	FORCE	.006 /	LARC /	H. GOROWITZ/ROCKW	DMS-DR-2049
8VDHT -	NG OF A SPACE SHU		HEATING EFFECTS F		8.0	LARC -	ELL	JULY, 1973
3619/3670/	TTLE DOUBLE DELTA		OR LAMINAR THROUG			MACH 8 VARIABL	R. WHITE/GAC	
0H40	WING ORBITER		H TURBULENT FLIGH			E-DENSITY HYPE	A. T. KAVANAUGH	
CR-128,771	AT MACH NUMBER 8.		T REGIMES DURING			RSONIC TUNNEL	-DMS	
	O		REENTRY.					
ARC -	WIND TUNNEL TEST	ROCKWELL SSV 2A O	LONGITUDINAL AND	FORCE	0.015 /	ARC /	M. D. MILAM, T. J	DMS-DR-2050
66SWT -	OF THE 0.15-SCALE	RBITER	LATERAL-DIRECTION		0.6 -	ARC -	. DZIUBALA /RI -	NOV., 1973
706 /	ROCKWELL INTERNA		AL CHARACTERISTIC		2.0	6-FOOT BY 6-FO	K. C. ENDICOTT /A	
0A43	TIONAL SPACE SHUT		S, RUDDER AND ELE			OT SUPERSONIC	RC - T. MCGRATH /	
CR-128,790	TLE VEHICLE ORBIT		VON HINGE MOMENTS			WIND TUNNEL	ARO	
	ER IN THE AMES 6-						M. J. LANFRANCO	
	BY 6-FOOT SUPERS						S. W. BROWN	
	ONIC WIND TUNNEL						-DMS	

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MSFC - 14TWT - 572 / SA5F CR-128,774	AERODYNAMIC CHARACTERISTICS OF A 142-INCH DIAMETER SOLID ROCKET BOOSTER (CONFIGURATIONS 89B AND 139)	BOOSTER MSFC MODEL NO.449	TO OBTAIN FORCE AND MOMENT DATA TO INPUT IN COMPUTER PROGRAM TO DETERMINE THE RATE OF DECELERATION AND THE ATTITUDE OF THE SRB'S DURING FREE-FALL	FORCE	0.00563 / 0.6 - 3.48	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	J. D. JOHNSON/MSFC W. D. RADFORD/NSI V. W. SPARKS D. E. POUCHER -DMS	DMS-DR-2051 AUGUST, 1973
LARC - UPWT - 1015 / LA10 CR-128,791	SUPERSONIC AERODYNAMIC CHARACTERISTICS ASSOCIATED WITH VARIATIONS IN THE GEOMETRY OF THE FORWARD PORTION OF IRREGULAR PLANFORM WINGS	LO-100 ORB(SHIPS) (BW2VFB)	EFFECTS OF GEOMETRY ON SUPERSONIC AERODYNAMIC CHARACTERISTICS ON PLANFORM WINGS	FORCE	0.01875 / 2.36- 4.63	LARC / LARC - UNITARY PLAN WIND TUNNEL	D. R. STONE, B. SPENCER/LARC V. W. SPARKS B. W. MYERS -DMS	DMS-DR-2052 NOV., 1973
NRLAD - LSWT - 705 / OA21B CR-128,792	EXPERIMENTAL INVESTIGATIONS OF AN 0.0405 SCALE SPACE SHUTTLE CONFIGURATION 3 ORBITER TO DETERMINE SUBSONIC STABILITY CHARACTERISTICS (OA21)	ORBITER 3	INVESTIGATE THE LONGITUDINAL AND LATERAL-DIRECTIONAL SUBSONIC AERODYNAMIC CHARACTERISTICS OF THE ROCKWELL INTERNATIONAL PROPOSED PRR SPACE SHUTTLE ORBITER	FORCE	0.0405 /	NR / NRLAD - LOW SPEED WIND TUNNEL	B. W. CAMERON AND A. J. RITSCHEL / ROCKWELL INTERNATIONAL D. A. SARVER B. W. MYERS -DMS	DMS-DR-2053 VOLUME 01 DEC., 1973
NRLAD - LSWT - 705 / OA21B CR-128,792	EXPERIMENTAL INVESTIGATIONS OF AN 0.0405 SCALE SPACE SHUTTLE CONFIGURATION 3 ORBITER TO DETERMINE SUBSONIC STABILITY CHARACTERISTICS (OA21)	ORBITER 3	INVESTIGATE THE LONGITUDINAL AND LATERAL-DIRECTIONAL SUBSONIC AERODYNAMIC CHARACTERISTICS OF THE ROCKWELL INTERNATIONAL PROPOSED PRR SPACE SHUTTLE ORBITER	FORCE	0.0405 /	NR / NRLAD - LOW SPEED WIND TUNNEL	B. W. CAMERON AND A. J. RITSCHEL / ROCKWELL INTERNATIONAL D. A. SARVER B. W. MYERS -DMS	DMS-DR-2053 VOLUME 02 FEB., 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - UPWT - 1023/1034/ LA8A LA8B CR-128,796	SURFACE ROUGHNESS EFFECTSON THE SU PERSONIC AERODYNA MICS OF THE ROCKW WELL INTERNATIONA L 089B-139 ORBITE R	NR ORBITER	TO DETERMINE THE EFFECTS OF SURFAC E ROUGHNESS ON TH E ORBITER AERODYN AMIC CHARACTERIST ICS OVER COMPLETE MACH RANGE	FORCE	0.188 / 1.6 - 4.63	LARC / LARC - UNITARY PLAN W IND TUNNEL	G.M. WARE , BERNA RD SPENCER JR. /L ARC J. E. VAUGHN B. W. MYERS -DMS	DMS-DR-2054 NOV., 1973
MSFC - 14TWT - 574 / 0A48 CR-128,780	STATIC STABILITY AND CONTROL EFFEC TIVENESS OF MODEL S 12-0 AND 34-0 OF THE VEHICLE 3 CONFIGURATIONS	ORBITER 139 ORBITER 139B	TO DETERMINE THE STATIC STABILITY AND CONTROL EFFEC TIVENESS OF MODEL 12-0 AND 34-0	FORCE	0.004 / .6 - 4.96	MSFC / MSFC - 14-INCH TRISON IC WIND TUNNEL	E.C. ALLEN/ROCKWE LL TERRY TUTTLE/ROCK WELL V. W. SPARKS B. J. FRICKEN -DMS	DMS-DR-2055 VOLUME 01 SEPT., 1973
MSFC - 14TWT - 574 / 0A48 CR-128,780	STATIC STABILITY AND CONTROL EFFEC TIVENESS OF MODEL S 12-0 AND 34-0 OF THE VEHICLE 3 CONFIGURATIONS	ORBITER 139 ORBITER 139B	TO DETERMINE THE STATIC STABILITY AND CONTROL EFFEC TIVENESS OF MODEL 12-0 AND 34-0	FORCE	0.004 / .6 - 4.96	MSFC / MSFC - 14-INCH TRISON IC WIND TUNNEL	E.C. ALLEN/ROCKWE LL TERRY TUTTLE/ROCK WELL V. W. SPARKS B. J. FRICKEN -DMS	DMS-DR-2055 VOLUME 02 SEPT., 1973
MSFC - 14TWT - 574 / 0A48 CR-128,780	STATIC STABILITY AND CONTROL EFFEC TIVENESS OF MODEL S 12-0 AND 34-0 OF THE VEHICLE 3 CONFIGURATIONS	ORBITER 139 ORBITER 139B	TO DETERMINE THE STATIC STABILITY AND CONTROL EFFEC TIVENESS OF MODEL 12-0 AND 34-0	FORCE	0.004 / .6 - 4.96	MSFC / MSFC - 14-INCH TRISON IC WIND TUNNEL	E.C. ALLEN/ROCKWE LL TERRY TUTTLE/ROCK WELL V. W. SPARKS B. J. FRICKEN -DMS	DMS-DR-2055 VOLUME 03 NOV., 1973
LARC - LTPT - 130/135 / LA9 CR-128,782	SURFACE ROUGHNESS EFFECTS ON THE S UBSONIC AERODYNAM ICS OF THE ROCKWELL INTERNAT IONAL 089B-139 OR BITER	NAR 089B-MOD NOSE + OMS NAR 089B-MOD NOSE	SURFACE ROUGHNESS EFFECTS ON TRANS ONIC AERODYNAMICS	FORCE	0.01875 /	LARC / LARC - LOW-TURBULENCE PRESSURE TUNN EL	G. M. WARE AND BE RNARD SPENCER, JR ./LARC M. D. MILAM/ROCKW ELL INTERNATIONAL J. E. VAUGHN B. W. MYERS -DMS	DMS-DR-2056 NOV., 1973

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	RESULTS OF AN EXP	ORBITER, MODIFIED	STAB.AND CONTROL	FORCE	0.015/	LARC /	V. ESPARZA,M. MIL	DMS-DR-2057
UPWT -	ERIMENTAL AERODYN	2A,3	CHARS. OF CONFIG		2.5-	LARC -	AM /ROCKWELL	NOV., 1974
1035 /	AMIC INVESTIGATIO		2A,3 AND ALT. FOR		4.6	UNITARY PLAN W	R. SINGELLTON	
OA44	N TO OBTAIN STATI		EBODY			IND TUNNEL	-DMS	
CR-134,411	C STABILITY AND C							
	ONTROL CHARACTERI							
	STICS OF THE SSV							
	CONFIGURATIONS 2A							
	(VL70-000089B) MO							
	DEL 1 AND 3 (VL70							
	-000139B) MODEL 2							
	ORBITERS AT MACH							
	NUMBERS OF 2.5, 3							
	.9, AND 4.6 IN TH							
	E NASA LARC 4X4-F							
	OOT UPWT (OA44)							
LARC -	RESULTS OF THE O.	ORBITER NAR VL70-	OBTAIN GENERAL ST	FORCE	0.015 /	LARC /	BERNARD SPENCER J	DMS-DR-2058
LTPT -	015 SCALE SPACE S	000134B CONFIG.	ABILITY AND CONTR		0.25 -	LARC	R. AND JAMES ELLI	MARCH, 1974
138 /	HUTTLE VEHICLE OR		OL CHARACTERISTIC			LOW-TURBULENCE	SON /NASA LARC	
OA17	BITER TEST (OA17)		S			PRESSURE TUNN	D. E. POUCHER	
CR-134,079	IN THE NASA LOW T					EL	-DMS	
	URBULENCE PRESSUR							
	E TUNNEL							
ARC -	INVESTIGATIONS OF	ORBITER 2A	DETERMINE THE FOR	FORCE	0.015 /	ARC /	M. D. MILAM AND M	DMS-DR-2059
3.5HWT -	THE SPACE SHUTTL		CE, MOMENT, AND H		5.0 -	ARC -	. E. NICHOLS/ROCK	JUNE, 1974
160 /	E ORBITER 2A CONF		INGE MOMENT CHARA		7.0	3.5-FOOT HYPER	WELL INTERNATIONA	
OA11B	IGURATION		CTERISTICS			SONIC WIND TUN	L	
CR-128,798	0.015-SCALE MODEL		OF CONFIGURATION			NEL	J. A. MELLENTHIN	
	IN THE NASA AMES		2A SPACE SHUTTLE				AND J. CLEARY/NAS	
	RESEARCH CENTER		VEHICLE ORBITER A				A/AMES RESEARCH C	
	3.5-FOOT		T MACH				ENTER	
	HYPERSONIC WIND T		NUMBERS 5, 7, AND				B. W. MYERS	
	UNNEL AT MACH NUM		10				-DMS	
	BERS 5, 7 AND 10							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN AER	ORBITER 3,A	GENERAL STABILITY	FORCE	0.015 /	ARC /	T. J. DZIUBALA/RI	DMS-DR-2060
3.5HWT -	ODYNAMIC FORCE AN		AND CONTROL CHAR		5.3 -	ARC -	J. W. CLEARY/NASA	JUNE, 1974
163 /	D MOMENT INVESTIG		ACTERISTICS FOR C		10.3	3.5-FOOT HYPER	ARC	
OA58	ATION OF AN 0.015		ONFIGURATION 3			SONIC WIND TUN	B. W. MYERS	
CR-134,091	-SCALE CONFIGURAT		AND ALTERNATE VEH			NEL	-DMS	
	ION 3 SPACE SHUTT		ICLES					
	LE ORBITER IN THE							
	NASA/ARC 3.5-FOO							
	T HYPERSONIC WIND							
	TUNNEL (OA58)							
NRLAD -	SUBSONIC, TRANSON	VL70-000139B (MOD	STABILITY AND CON	FORCE	0.015 /	NR /	R. C. MENNELL /RI	DMS-DR-2061
7TWT -	IC, AND SUPERSONI	EL NO. 42-O)	TROL CHARACTERIST		.6 -	NRLAD -	D. A. SARVER	DEC., 1973
276 /	C STABILITY AND C	VL70-000147B (MOD	ICS		3.0	7-FOOT TRISONI	-DMS	
OA68	ONTROL CHARACTER-	EL NO. 49-O)				C WIND TUNNEL		
CR-128,789	ISTICS OF THE -14							
	7B SPACE SHUTTLE							
	ORBITER							
AEDC -	AERODYNAMIC RESUL	INTEGRATED VEHICL	SEPARATION TEST O		0.01 /	ROCKWELL/	JACK CAMPBELL/RI	DMS-DR-2062
SWTA -	TS OF A SEPARATIO	E CONFIG 3 (MODEL	F SRB FROM ET AND		4.5 -	AEDC -	J. E. VAUGHN	VOLUME 01
VA323 /	N EFFECTS TEST CO	32-OTS)	ET FROM ORB. USI			SUPERSONIC WIN	M. M. MOSER JR.	AUGUST, 1975
IA13	NDUCTED IN THE		NG CAPTIVE TRAJEC			D TUNNEL (A)	-DMS	
CR-134,117	AEDC 40X 40 INCH		TORY SYSTEM					
	TUNNEL A FACILITY							
	ON THE ROCKWELL							
	INTERNATIONAL							
	LAUNCH CONFIGURAT							
	ION 3 INTEGRATED							
	VEHICLE							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	AERODYNAMIC RESUL	INTEGRATED VEHICL	SEPARATION TEST O	FORCE	0.01 /	ROCKWELL/	JACK CAMPBELL/RI	DMS-DR-2062
SWTA -	TS OF A SEPARATIO	E CONFIG. 3 (MODE	F SRB FROM ET AND		4.5 -	AEDC -	J. E. VAUGHN	VOLUME 02
VA323 /	N EFFECTS TEST CO	L 32-OTS)	ET FROM ORB. USI			SUPERSONIC WIN	M. M. MOSER JR.	AUGUST, 1975
IA13	NDUCTED IN THE AE		NG CAPTIVE TRAJEC			D TUNNEL (A)	-DMS	
CR-134,118	DC 40 X 40 INCH T		TORY SYSTEM					
	UNNEL A FACILITY							
	ON THE ROCKWELL I							
	NTERNATIONAL LAUN							
	CH CONFIGURATION							
	3 INTEGRATED VEHI							
	CLE							
AEDC -	AERODYNAMIC RESUL	INTEGRATED VEHICL	SEPARATION TEST O	FORCE	0.01 /	ROCKWELL/	JACK CAMPBELL/RI	DMS-DR-2062
SWTA -	TS OF A SEPARATIO	E CONFIG. 3 (MODE	F SRB FROM ET AND		4.5 -	AEDC -	J. E. VAUGHN	VOLUME 03
VA323 /	N EFFECTS TEST CO	L 32-OTS)	ET FROM ORB. USI			SUPERSONIC WIN	M. M. MOSER JR.	AUGUST, 1975
IA13	NDUCTED IN THE AE		NG CAPTIVE TRAJEC			D TUNNEL (A)	-DMS	
CR-141,801	DC 40 X 40 INCH T							
	UNNEL A FACILITY							
	ON THE ROCKWELL I							
	NTERNATIONAL LAUN							
	CH CONFIGURATION							
	3 INTEGRATED VEHI							
	CLE							
MSFC -	RESULTS OF TESTS	INTEGRATED VEHICL	STATIC STABILITY,	FORCE	0.004 /	MSFC /	E. C. ALLEN, T. H	DMS-DR-2063
14TWT -	IN THE MSFC 14X14	E	INTERFERENCE EFF		0.6 -	MSFC -	AMILTON /ROCKWELL	NOV., 1973
579/580 /	INCH TRISONIC WI		ECTS		4.96	14-INCH TRISON	J. E. VAUGHN	
IA37	ND TUNNEL ON A .					IC WIND TUNNEL	A. T. KAVANAUGH	
IA48	004 SCALE MODEL O						-DMS	
CR-128,788	F THE ROCKWELL IN							
	TERNATIONAL SPACE							
	SHUTTLE VEHICLE							
	3, (INTEGRATED CO							
	NFIGURATION)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN - 8TWT - T14-053 / IA36 CR-141,814	WIND TUNNEL TEST OF THE 0.019 SCAL E SPACE SHUTTLE I NTEGRATED VEHICLE (MODEL 14-OTS) IN THE CALSPAN 8-FO OT TRANSONIC WIND TUNNEL (IA36)	INTEGRATED SSV 2A ,3A MODIFIED	MPS NOZZLE PRESSU RE LOADS, WING, E LEVON, AND RUDDER HINGE MOMENTS, WING PRESSURE DIS TRIBUTIONS, AEROD YNAMIC STABILITY AND CONTROL	PRESSURE FORCE	0.019 / 0.9 - 1.2	CALSPAN / NR / CALSPAN - 8-FOOT TRANSON IC WIND TUNNEL	R. B. HARDIN, R. R. BURROWS /ROCKW ELL - N. A. STRUZ YNSKI /CALSPAN D. A. SARVER H. C. ZIMMERLE -DMS	DMS-DR-2064 VOLUME 01 DEC., 1975
CALSPAN - 8TWT - T14-053 / IA36 CR-141,816	WING TUNNEL TEST OF THE 0.019 SCAL E SPACE SHUTTLE I NTEGRATED VEHICLE (MODEL 14-OTS) IN THE CALSPAN 8-FO OT TRANSONIC WIND TUNNEL (IA36)	INTEGRATED SSV 2A ,3A MODIFIED	MPS NOZZLE PRESSU RE LOADS, WING, E LEVON, AND RUDDER HINGE MOMENTS, WING PRESSURE DIS TRIBUTIONS, AEROD YNAMIC STABILITY AND CONTROL	PRESSURE FORCE	0.019 / 0.9 - 1.2	CALSPAN / NR / CALSPAN - 8-FOOT TRANSON IC WIND TUNNEL	R. B. HARDIN, R. R. BURROWS /ROCKW ELL - N. A. STRUZ YNSKI /CALSPAN D. A. SARVER H. C. ZIMMERLE -DMS	DMS-DR-2064 VOLUME 02 DEC., 1975
ARC - 87SWT - 710 / IA12C CR-141,518	WIND TUNNEL TESTS OF AN 0.019-SCAL E SPACE SHUTTLE I NTEGRATED VEHICLE IN THE NASA AMES 8 X 7-FOOT UNITA RY WIND TUNNEL(IA 12C)	2A CONFIGURATION	DETERMINE EFFECTS OF COLD JET GAS PLUMES ON LONG. A ND LAT-DIR. CHAR. ,EXPOSED WING HIN GE MOM., WING PRE SS. DIST., ORBITE R MPS EXTERNAL PR ESS. DIST., AND M ODEL BASE PRESSUR ES	FORCE PRESSURE	0.019 / 2.50 - 3.50	ARC / ARC - 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	R. B. HARDIN, R. R. BURROWS /ROCKW ELL INTERNATIONAL L. R. GUIST /NASA AMES B. J. FRICKEN -DMS	DMS-DR-2065 VOLUME 01 APRIL, 1975
ARC - 87SWT - 710 / IA120 CR-141,519	WIND TUNNEL TESTS OF AN 0.019-SCAL E SPACE SHUTTLE I NTEGRATED VEHICLE IN THE NASA AMES 8 X 7-FOOT UNITA RY WIND TUNNEL(IA 12C)	2A CONFIGURATION	DETERMINE EFFECTS OF COLD JET GAS PLUMES ON LONG. A ND LAT-DIR. CHAR. ,EXPOSED WING HIN GE MOM., WING PRE SS. DIST.,ORBITER MPS EXTERNAL PRE SS. DIST.,AND MOD EL BASE PRESSURES	FORCE PRESSURE	0.019 / 2.50 - 3.50	ARC / ARC - 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	R.B. HARDIN, R.R. BURROWS/RI L.R. GUIST/NASA A MES B. J. FRICKEN -DMS	DMS-DR-2065 VOLUME 02 APRIL, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 87SWT - 710 / IA12C CR-141,520	WIND TUNNEL TESTS OF AN 0.019-SCAL E SPACE SHUTTLE I NTEGRATED VEHICLE IN THE NASA AMES 8 X 7-FOOT UNITA RY WIND TUNNEL(IA 12C)	2A CONFIGURATION	DETERMINE EFFECTS OF COLD JET GAS PLUMES ON LONG. A ND LAT-DIR. CHAR. ,EXPOSED WING HIN GE MOM., WING PRE SS. DIST.,ORBITER MPS EXTERNAL PRE SS. DIST.,AND MOD EL BASE PRESSURES	FORCE PRESSURE	0.019 / 2.50 - 3.50	ARC / ARC - 8-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	R.B. HARDIN, R.R. BURROWS/RI L.R.GUIST/NASA AM ES B. J. FRICKEN -DMS	DMS-DR-2065 VOLUME 03 APRIL, 1975
LARC - CFHT - 96 / LA11 CR-128,783	HYPERSONIC PERFOR MANCE, STABILITY AND CONTROL CHARA CTERISTICS OF A . 0075 SCALE MODEL ROCKWELL INTERNAT IONAL 089-139 ORB ITER CONFIGURATIO N	SPACE SHUTTLE ORB ITER 089B-139	TO DETERMINE HYPE RSONIC AERODYNAMI C CHARACTERISTICS OF SHUTTLE ORBIT ER	FORCE	0.0075 / 10.3 -	LARC / LARC - CONTINUOUS-FLO W HYPERSONIC T UNNEL	R.W.POWELL/NASA L ARC T.A.BLACKSTOCK/NA SA LARC J. E. VAUGHN B. J. FRICKEN -DMS	DMS-DR-2066 NOV., 1973
LARC - 26TBT - 544 / OS2 CR-128,777	FLUTTER TESTS (OS 2) OF THE SHUTTLE ORBITER FIN/RUDD ER MODEL 24-0	0.025 SCALE MODEL OF SPACE SHUTTLE ORBITER (24-0) F IN/RUDDER	ACQUISITION OF EX PERIMENTAL FLUTTE R BOUNDARY DATA I N THE TRANSONIC FLIGHT REGION TO SUPPORT ANALYTICA L FLUTTER PREDICT IONS	STRUCT-DYN	0.025 / 0.6 - 1.3	LARC / LARC - 26-INCH TRANSO NIC BLOWDOWN T UNNEL	J. W. FOUST/ROCKW ELL A. T. KAVANAUGH -DMS	DMS-DR-2067 AUGUST, 1973
NRLAD - LSWT - 708 / OA71A CR-128,797	EFFECTS OF THE AI R BREATHING PROPU LSION SYSTEM ON S PACE SHUTTLE ORBI TER SUBSONIC STAB ILITY AND CONTROL CHARACTERISTICS (OA71A)	-89B(2A) ORBITER	EFFECTS OF FERRY ENGINE NACELLE GR OUPING AND LOCATI ON	FORCE	0.0405 / 0.20 -	NR / NRLAD - LOW SPEED WIND TUNNEL	R. MENNELL /ROCKW ELL D. A. SARVER W. M. HALE -DMS	DMS-DR-2068 DEC., 1973

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	EFFECTS OF REACTI	PRR ORBITER	INTERFERENCE STUD	FORCE	0.015 /	LARC /	J.R.RAUSCH/ROCKWE	DMS-DR-2069
UPWT -	ON CONTROL SYSTEM		Y AT SUPERSONIC S		2.5 -	LARC -	LL	JAN., 1974
1031 /	JET-FLOW FIELD I		PEEDS		4.0	UNITARY PLAN W	W.J.MONTA/LARC	
MA7	NTERACTIONS ON		TO DETERMINE CONT			IND TUNNEL	J. E. VAUGHN	
CR-134,074	A 0.015 SCALE MOD		ROL AMPLIFICATION				A. T. KAVANAUGH	
	EL SPACE SHUTTLE		FACTORS RESULTIN				-DMS	
	ORBITER AERODYNAM		G FROM JET INTER-					
	IC		ACTION BETWEEN TH					
	CHARACTERISTICS		E RCS PLUMES AND					
			THE EXTERNAL FLOW					
			OVER THE VEHICLE					
LARC -	EFFECT OF GASEOUS	JSC 040A ORBITER	DETERMINE EFFECT	FORCE	.019 /	LARC /	J. B. DODS,JR., J	DMS-DR-2070
LTPT -	AND SOLID SIMUL	WITH EHOT AND 2 S	OF PLUME-INDUCED		1.6 -	LARC -	. J. BROWNSON, D.	OCT., 1973
141 /	ATED JET PLUMES O	RM	FLOW SEPARATION A		2.2	LOW-TURBULENCE	L. KASSNER / ARC	
LA23	N AN 040A SPACE S		ND ASPIRATION EFF			PRESSURE TUNN	K. L. BLACKWELL /	
CR-128,787	HUTTLE LAUNCH CO		ECTS DUE TO OPERA			EL	MSFC	
	NFIGURATION AT MA		TION OF BOTH THE				V. W. SPARKS	
	CH NUMBERS FROM 1		ORBITER AND THE S				A. T. KAVANAUGH	
	.6 TO 2.2		OLID ROCKET MOTOR				-DMS	
			S					
ARC -	RESULTS OF TESTS	MODEL 32-0	OBTAIN STABILITY	FORCE	0.015 ,	ARC /	T. J. DZIUBALA, M	DMS-DR-2071
3.5HWT -	OF 0.010- AND 0.0	MODEL 49-0	AND CONTROL CHARA		0.010 /	ARC -	. D. MILAM/ROCKWE	SEPT., 1974
168 /	15-SCALE MODELS O		CTERISTICS FOR TH		5.3 -	3.5-FOOT HYPER	LL INTERNATIONAL	
0A23	F SPACE SHUTTLE O		E 3A BASELINE		10.3	SONIC WIND TUN	J.W. CLEARY, J. A	
CR-128,799	RBITER CONFIGURAT		VEHICLE CONFIGURA			NEL	. MELLENTHIN/NASA	
	IONS 3 AND 3A IN		TION				AMES	
	THE AMES RESEARCH						B. W. MYERS	
	CENTER 3.5-FOOT						-DMS	
	HYPERSONIC WIND T							
	UNNEL (0A23)							
MSFC -	MISALIGNMENT STUD	PRR BASELINE LAUN	EFFECTS OF MODEL	FORCE	0.004 /	MSFC /	P. RAMSEY /MSFC	DMS-DR-2072
14TWT -	IES ON SPACE SHUT	CH CONFIGURATION	ELEMENT MISALIGNM		0.9 -	MSFC -	T. MCMEANS, T. DA	JAN., 1974
573 /	TLE INTEGRATED VE	MCR 0074 BASELINE	ENT ON TEST RESUL		1.46	14-INCH TRISON	VIS / NSI	
IA31FC	HICLE	MODEL ELEMENTS	TS			IC WIND TUNNEL	V. W. SPARKS	
CR-134,072							A. T. KAVANAUGH	
							-DMS	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - UPWT - 1043 / 0A70 CR-134,070	EFFECTS OF REACTION CONTROL SYSTEM JET SIMULATION ON THE STABILITY AND CONTROL CHARACTERISTICS OF A O.015 SCALE SPACE SHUTTLE MODEL TESTED IN THE LANGLEY RESEARCH CENTER UNITARY PLAN WIND TUNNEL	MODEL 42-O OF THE VL70-000139B SSV ORBITER CONFIGURATION 3	OBTAIN THE DETAILED EFFECTS THAT RCS JET FLOW INTERACTIONS HAVE ON SUPERSONIC STABILITY AND CONTROL CHARACTERISTICS OF THE SPACE SHUTTLE VEHICLE	FORCE	0.015 /	LARC / LARC - UNITARY PLAN WIND TUNNEL	J. J. DAILEDA, JOHN MARROQUIN J. E. VAUGHN A. T. KAVANAUGH -DMS	DMS-DR-2073 MARCH, 1974
NRLAD - LSWT - 709 / 0A57A CR-134,414	EFFECTS OF THE AIR BREATHING ENGINE PLUMES ON SSV ORBITER SUBSONIC WING PRESSURE DISTRIBUTIONS	-89B SPACE SHUTTLE ORBITER FERRY CONFIGURATION	INVESTIGATE THE ORBITER WING PRESSURE DISTRIBUTION RESULTING FROM FIVE UNDER-WING ENGINE NACELLE PLUMES	PRESSURE FORCE	0.0405 / 0.165-	NR / NRLAD - LOW SPEED WIND TUNNEL	BRUCE W. CAMERON, JR. /RI R. B. LOWE -DMS	DMS-DR-2074 OCT., 1974
LARC - 8VDHT - 3778/ 3855 / 0H41 CR-128,784	INVESTIGATION OF CONFIGURATION EFFECTS ON ENTRY HEATING DISTRIBUTIONS AT MACH = 8.0 (0H41)	MODEL SS-H-00326-1	AERODYNAMIC HEATING INVESTIGATIONS	HEAT-TRANS	0.00593 / 7.9 - 7.9	LARC / LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL	H. GOROWITZ/RI A. T. KAVANAUGH -DMS	DMS-DR-2075 OCT., 1973
LARC - 8VDHT - 4060/ 4079 / 0H41A CR-128,785	INVESTIGATION OF CONFIGURATION EFFECTS ON ENTRY HEATING DISTRIBUTIONS AT MACH NO = 8.0 (0H41A)	SS-H-00326-4 SS-H-00326B-5,-6,-7 NR 110D	AERODYNAMIC HEATING INVESTIGATIONS	HEAT-TRANS	0.00593 , 0.006 / 7.9 - 7.9	LARC / LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL	H. GOROWITZ/RI R. WHITE, A. D'ERRICO/GRUMMAN A. T. KAVANAUGH -DMS	DMS-DR-2076 OCT., 1973

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	140A/B ORB., VEH.	TO DETERMINE LOCA	PRESSURE	0.015 /	ARC /	R.H. SPANGLER, D.	DMS-DR-2077
66SWT -	0A63 AND IA29 ON	4 ET, 2 SRB'S	L PRESSURE DISTRI		0.6 -	ARC -	E. THORNTON, ROCK	VOLUME 01
630 /	AN 0.015-SCALE MO	SHUTTLE ORBITER V	BUTIONS ON THE OR		2.0	6-FOOT BY 6-FO	WELL INTERNATIONA	MAY, 1974
IA29	DEL OF THE SPACE	ENT PRESSURE MODE	BITER FUSELAGE FO			OT SUPERSONIC	L	
0A63	SHUTTLE CONFIGURA	L 36-OTS	R ASCENT FLIGHT T			WIND TUNNEL	L.R. GUIST, CARL	
CR-134,095	TION 140 A/B IN T		O SUPPORT VEHICLE				E. SUTTON, ARC	
	HE NASA/ARC 6- BY		VENTING STUDIES				B. J. FRICKEN	
	6-FOOT TRANSONIC						-DMS	
	WIND TUNNEL							
ARC -	RESULTS OF TESTS	140A/B ORB., VEH.	TO DETERMINE LOCA	PRESSURE	0.015 /	RC /	R. H. SPANGLER ,	DMS-DR-2077
66SWT -	0A63 AND IA29 ON	4 ET, 2 SRB'S	L PRESSURE DISTRI		0.6 -	ARC -	D. E. THORNTON ,R	VOLUME 02
630 /	AN 0.015-SCALE MO		BUTIONS ON THE OR		2.0	6-FOOT BY 6-FO	OCKWELL INTERNATI	MAY, 1974
IA29	DEL OF THE SPACE		BITER FUSELAGE FO			OT SUPERSONIC	ONAL	
CR-134,099	SHUTTLE CONFIGURA		R ASCENT FLIGHT T			WIND TUNNEL	L. R. GUIST , CAR	
	TION 140 A/B IN T		O SUPPORT VEHICLE				L E. SUTTON, AMES	
	HE NASA/ARC 6- BY		VENTING STUDIES				B. J. FRICKEN	
	6-FOOT TRANSONIC						-DMS	
	WIND TUNNEL							
ARC -	RESULTS OF TESTS	140A/B ORB., VEH.	TO DETERMINE LOCA	PRESSURE	0.015 /	ARC /	R. H. SPANGLER, D	DMS-DR-2077
66SWT -	0A63 AND IA29 ON	4 ET, 2 SRB'S	L PRESSURE DISTRI		0.6 -	ARC -	. E. THORNTON/RI	VOLUME 03
630 /	AN 0.015-SCALE MO		BUTIONS ON THE OR		2.0	6-FOOT BY 6-FO	L. R. GUIST , CAR	MAY, 1974
0A63	DEL OF THE SPACE		BITER FUSELAGE FO			OT SUPERSONIC	L E. SUTTON, AMES	
CR-134,100	SHUTTLE CONFIGURA		R ASCENT FLIGHT T			WIND TUNNEL	B. J. FRICKEN	
	TION 140 A/B IN T		O SUPPORT VEHICLE				-DMS	
	HE NASA/ARC 6- BY		STUDIES					
	6-FOOT TRANSONIC							
	WIND TUNNEL							
ARC -	WIND TUNNEL TEST	MODEL 32-OT WITH	EVALUATE BASIC HY	FORCE	0.010 /	ARC /	F. F. FIZGERALD,	DMS-DR-2078
3.5HWT -	OF THE 0.010-SCAL	ORBITER, ET, SIMU	PERSONIC STABILIT			ARC -	M. T. PETROZZI/ R	JAN., 1974
169 /	E SPACE SHUTTLE I	LATED ENGINE PLUM	Y CHARACTERISTICS			3.5-FOOT HYPER	OCKWELL INTERNATI	
IA10	NTEGRATED VEHICLE	ES	OF FIRST AND			SONIC WIND TUN	ONAL	
CR-128,795	IN THE NASA-AMES		SECOND STAGE AND			NEL	J. W. CLEARY, J.	
	3.5-FOOT HYPERSO		TO DEFINE ORBITER				A. MELLENTHIN/ NA	
	NIC WIND TUNNEL (		PLUME EFFECTS ON				SA/AMES RESEARCH	
	IA10)		AERO CHARACTERIS				CENTER	
			TICS USING SOLID				B. W. MYERS	
			PLUMES				-DMS	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	EFFECTS OF SURFAC	089B-139B(MODIFIE	EFFECTS OF TPS TI	FORCE	0.01 /	LARC /	G.C.ASHBY,JR./NAS	DMS-DR-2079
20HT6 -	E ROUGHNESS ON TH	D NOSE)	LE IRREGULARITIES		6.0 -	LARC -	A,LARC	APRIL, 1974
441 /	E AERODYNAMIC CHA		EXPLORE POSSIBLE		6.0	20-INCH HYPERS	J. E. VAUGHN	
LA15	RACTERISTICS OF T		BOUNDARY LAYER SE			ONIC TUNNEL (M	-DMS	
CR-134,083	HE MODIFIED 089 B		PARATION HYSTEREI			ACH 6)		
	SHUTTLE ORBITER		S EFFECT					
	AT MACH 6 (LA15)							
NRLAD -	EFFECTS OF AIR BR	-89B SPACE SHUTTL	INVESTIGATE ORBIT	PRESSURE	0.0405 /	NR /	T. SOARD /RI	DMS-DR-2080
LSWT -	EATHING ENGINE PL	E ORBITER FERRY C	ER WING PRESSURE	FORCE	0.20 -	NRLAD -	R. B. LOWE	VOLUME 01
713 /	UMES ON SSV ORBIT	ONFIGURATION	DISTRIBUTIONS RES			LOW SPEED WIND	-DMS	OCT., 1974
0A57B	ER SUBSONIC WING		ULTING FROM NACEL			TUNNEL		
CR-134,416	PRESSURE DISTRIBU		LE PLUMES ABOVE A					
	TION		ND BELOW THE WING					
NRLAD -	EFFECTS OF AIR BR	-89B SPACE SHUTTL	INVESTIGATE ORBIT	PRESSURE	0.0405 /	NR /	T. SOARD /RT	DMS-DR-2080
LSWT -	EATHING ENGINE PL	E ORBITER FERRY C	ER WING PRESSURE	FORCE	0.2 -	NRLAD -	R. B. LOWE	VOLUME 02
713 /	UMES ON SSV ORBIT	ONFIGURATION	DISTRIBUTIONS RES			LOW SPEED WIND	-DMS	OCT., 1974
0A57B	ER SUBSONIC WING		ULTING FROM NACEL			TUNNEL		
CR-134,417	PRESSURE DISTRIBU		LE PLUMES ABOVE A					
	TION		ND BELOW THE WING					
NRLAD -	LANDING PRESSURE	-140 A/B SPACE SH	PRESSURE LOADS DA	PRESSURE	0.0405 /	NR /	T. L. SOARD, B. W	DMS-DR-2081
LSWT -	LOADS OF THE -140	UTTLE ORBITER	TA IN GROUND EFFE		0.2 -	NRLAD -	. CAMERON /ROCKWE	VOLUME 01
711 /	A/B SPACE SHUTTL		CT		0.2	LOW SPEED WIND	LL	JAN., 1976
0A69	E ORBITER DETER-					TUNNEL	H. C. ZIMMERLE	
CR-141,580	MINED IN THE NRLA						-DMS	
	D LOW SPEED WIND							
	TUNNEL (0A69)							
NRLAD -	LANDING PRESSURE	-140 A/B SPACE SH	PRESSURE LOADS DA	PRESSURE	0.0405 /	NR /	T. L. SOARD, B. W	DMS-DR-2081
LSWT -	LOADS OF THE -140	UTTLE ORBITER	TA IN GROUND EFFE	FORCE	0.2 -	NRLAD -	. CAMERON /ROCKWE	VOLUME 02
711 /	A/B SPACE SHUTTL		CT		0.2	LOW SPEED WIND	LL	JAN., 1976
0A69	E ORBITER DETER-					TUNNEL	H. C. ZIMMERLE	
CR-141,581	MINED IN THE NRLA						-DMS	
	D LOW SPEED WIND							
	TUNNEL (0A69)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	EFFECTS OF REACTI	CONFIGURATION 3A	ASCERTAIN THE EFF	FORCE	0.015 /	ARC /	T.J. DZIUBALA /RO	DMS-DR-2082
3.5HWT -	ON CONTROL SYSTEM	ORBITER	ECTS OF RCS JET F		10.29-	ARC -	CKWELL	DEC., 1973
167 /	JET SIMULATION O		LOW FIELD INTERAC			3.5-FOOT HYPER	J. MARROQUIN /RO	
0A73	N THE STABILITY		TIONS WITH THE LO			SONIC WIND TUN	CKWELL	
CR-128,800	AND CONTROL CHARA		CAL FLOW FIELD ON			NEL	M. M. MANN	
	CTERISTICS OF A O		THE HYPERSONIC A				-DMS	
	.015-SCALE SPACE		ERODYNAMIC AND ST					
	SHUTTLE ORBITER		ABILITY AND CONTR					
	MODEL IN THE AMES		OL CHARACTERISTIC					
	RESEARCH CENTER		S OF THE ORBITER					
	3.5-FOOT HYPERSON		DURING RE-ENTRY.					
	IC WIND TUNNEL							
LARC -	RESULTS OF INVEST	SSV 140A/B ORBITE	TO DETERMINE SUPE	FORCE	0.015 /	LARC /	J.H.CAMPBELL,II,	DMS-DR-2083
UPWT -	IGATIONS (OA20) O	R	RSONIC TRIM AND S		2.5 -	LARC -	M.E.NICHOLS /ROC	FEB., 1974
1057 /	N A 0.015-SCALE 1		TABILITY CHARACTE		4.6	UNITARY PLAN W	KWELL	
OA20A	40 A/B		RISTICS FOR THE			IND TUNNEL	W.P.PHILLIPS /LAR	
CR-134,081	CONFIGURATION SPA		140A/B ORBITER.				C	
	CE SHUTTLE VEHICL						M. M. MANN	
	E ORBITER MODEL I						-DMS	
	N THE							
	NASA/LANGLEY RESE							
	ARCH CENTER UNITA							
	RY PLAN WIND TUNN							
	EL							
ARC -	AIRLOADS INVESTIG	SSV 140A/B LAUNCH	OBTAIN PRESSURE D	PRESSURE	0.030 /	ARC /	R. L. GILLINS, E.	DMS-DR-2084
11TWT -	ATIONS OF AN 0.03		ISTRIBUTIONS ON I	FORCE	0.6 -	ARC -	CHEE/RI	VOLUME 01
716 /	O-SCALE MODEL OF		NTEGRATED LAUNCH		1.4	11-FOOT TRANSO	D. A. SARVER	FEB., 1975
IA14A	THE SPACE SHUTTLE		VEHICLE; TO OBTAI			NIC WIND TUNNE	J.T.DAVIET	
CR-134,443	VEHICLE 140A/B LA		N FORCE DATA			L (UNITARY)	-DMS	
	UNCH CONFIGURATIO							
	N (MODEL 47-OTS)							
	IN THE ARC 11-FOO							
	T UNITARY PLAN WI							
	ND TUNNEL FOR MAC							
	H RANGE 0.6 TO 1.							
	4 (IA14A)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	AIRLOADS INVESTIG	SSV 140A/B LAUNCH	OBTAIN PRESSURE D	PRESSURE	0.030 /	ARC /	R. L. GILLINS, E.	DMS-DR-2084
11TWT -	ATIONS OF AN 0.03		ISTRIBUTIONS ON I	FORCE	0.6 -	ARC -	CHEE/RI	VOLUME 02
716 /	O-SCALE MODEL OF		NTEGRATED LAUNCH		1.4	11-FOOT TRANSO	D. A. SARVER	MARCH, 1975
IA14A	THE SPACE SHUTTLE		VEHICLE; TO OBTAI			NIC WIND TUNNE	J.T.DAVIET	
CR-134,444	VEHICLE 140A/B LA		N FORCE DATA			L (UNITARY)	-DMS	
	UNCH CONFIGURATIO							
	N (MODEL 47-OTS)							
	IN THE ARC 11-FOO							
	T UNITARY PLAN WI							
	ND TUNNEL FOR MAC							
	H RANGE 0.6 TO 1.							
	4 (IA14A)							
ARC -	AIRLOADS INVESTIG	SSV 140A/B LAUNCH	OBTAIN PRESSURE D	PRESSURE	0.030 /	ARC /	R. L. GILLINS, E.	DMS-DR-2084
11TWT -	ATIONS OF AN 0.03		ISTRIBUTIONS ON I	FORCE	0.6 -	ARC -	CHEE/RI	VOLUME 03
716 /	O-SCALE MODEL OF		NTEGRATED LAUNCH		1.4	11-FOOT TRANSO	D. A. SARVER	APRIL, 1975
IA14A	THE SPACE SHUTTLE		VEHICLE; TO OBTAI			NIC WIND TUNNE	J.T.DAVIET	
CR-143,445	VEHICLE 140A/B L		N FORCE DATA			L (UNITARY)	-DMS	
	AUNCH CONFIGURATI							
	ON (MODEL 47-OTS)							
	IN THE ARC 11-FO							
	OT UNITARY PLAN W							
	IND TUNNEL FOR MA							
	CH RANGE 0.6 TO 1							
	.4 (IA14A)							
ARC -	AIRLOADS INVESTIG	SSV 140A/B LAUNCH	OBTAIN PRESSURE D	PRESSURE	0.030 /	ARC /	R. L. GILLINS, E.	DMS-DR-2084
11TWT -	ATIONS OF AN 0.03		ISTRIBUTIONS ON I	FORCE	0.6 -	ARC -	CHEE/RI	VOLUME 04
716 /	O-SCALE MODEL OF		NTEGRATED LAUNCH		1.4	11-FOOT TRANSO	D. A. SARVER	APRIL, 1975
IA14A	THE SPACE SHUTTLE		VEHICLE; TO OBTAI			NIC WIND TUNNE	J.T.DAVIET	
CR-143,446	VEHICLE 140A/B L		N FORCE DATA			L (UNITARY)	-DMS	
	AUNCH CONFIGURATI							
	ON (MODEL 47-OTS)							
	IN THE ARC 11-FO							
	OT UNITARY PLAN W							
	IND TUNNEL FOR MA							
	CH RANGE 0.6 TO 1							
	.4 (IA14A)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	AIRLOADS INVESTIG	SSV 140A/B LAUNCH	OBTAIN PRESSURE D	PRESSURE	0.030 /	ARC /	R. L. GILLINS, E.	DMS-DR-2084
11TWT -	ATIONS OF AN 0.03		ISTRIBUTIONS ON I	FORCE	0.6 -	ARC -	CHEE/RI	VOLUME 05
716 /	O-SCALE MODEL OF		NTEGRATED LAUNCH		1.4	11-FOOT TRANSO	D. A. SARVER	APRIL, 1975
IA14A	THE SPACE SHUTTLE		VEHICLE; TO OBTAI			NIC WIND TUNNE	J.T.DAVIET	
CR-143,447	VEHICLE 140A/B L		N FORCE DATA			L (UNITARY)	-DMS	
	AUNCH CONFIGURATI							
	ON (MODEL 47-OTS)							
	IN THE ARC 11-FO							
	OT UNITARY PLAN W							
	IND TUNNEL FOR MA							
	CH RANGE 0.6 TO 1							
	.4 (IA14A)							
ARC -	AIRLOADS INVESTIG	SSV 140A/B LAUNCH	OBTAIN PRESSURE D	PRESSURE	0.030 /	ARC /	R. L. GILLINS, E.	DMS-DR-2084
11TWT -	ATIONS OF AN 0.03		ISTRIBUTIONS ON I	FORCE		ARC -	CHEE/RI	VOLUME 06
716 /	O-SCALE MODEL OF		NTEGRATED LAUNCH			11-FOOT TRANSO	D. A. SARVER	APRIL, 1975
IA14A	THE SPACE SHUTTLE		VEHICLE; TO OBTAI			NIC WIND TUNNE	J.T.DAVIET	
CR-143,448	VEHICLE 140A/B L		N FORCE DATA			L (UNITARY)	-DMS	
	AUNCH CONFIGURATI							
	ON (MODEL 47-OTS)							
	IN THE ARC 11-FO							
	OT UNITARY PLAN W							
	IND TUNNEL FOR MA							
	CH RANGE 0.6 TO 1							
	.4 (IA14A)							
ARC -	AIRLOADS INVESTIG	SSV 140A/B LAUNCH	OBTAIN PRESSURE D	PRESSURE	0.030 /	ARC /	R. L. GILLINS, E.	DMS-DR-2084
11TWT -	ATIONS OF AN 0.03		ISTRIBUTIONS ON I	FORCE	0.6 -	ARC -	CHEE/RI	VOLUME 07
716 /	O-SCALE MODEL OF		NTEGRATED LAUNCH		1.4	11-FOOT TRANSO	D. A. SARVER	APRIL, 1975
IA14A	THE SPACE SHUTTLE		VEHICLE; TO OBTAI			NIC WIND TUNNE	J.T.DAVIET	
CR-143,449	VEHICLE 140A/B L		N FORCE DATA			L (UNITARY)	-DMS	
	AUNCH CONFIGURATI							
	ON (MODEL 47-OTS)							
	IN THE ARC 11-FO							
	OT UNITARY PLAN W							
	IND TUNNEL FOR MA							
	CH RANGE 0.6 TO 1							
	.4 (IA14A)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 716 / IA14A CR-143,450	AIRLOADS INVESTIG ATIONS OF AN 0.03 O-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B L AUNCH CONFIGURATI ON (MODEL 47-OTS) IN THE ARC 11-FO OT UNITARY PLAN W IND TUNNEL FOR MA CH RANGE 0.6 TO 1 .4 (IA14A)	SSV 140A/B LAUNCH	OBTAIN PRESSURE D ISTRIBUTIONS ON I NTEGRATED LAUNCH VEHICLE; TO OBTAI N FORCE DATA	PRESSURE FORCE	0.030 /	RAC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	R. L. GILLINS, E. CHEE/RI D. A. SARVER J.T.DAVIET -DMS	DMS-DR-2084 VOLUME 08 APRIL, 1975
ARC - 11TWT - 716 / IA14A CR-141,501	AIRLOADS INVESTIG ATIONS OF AN 0.03 O-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B L AUNCH CONFIGURATI ON (MODEL 47-OTS) IN THE ARC 11-FO OT UNITARY PLAN W IND TUNNEL FOR MA CH RANGE 0.6 TO 1 .4 (IA14A)	SSV 140A/B LAUNCH	OBTAIN PRESSURE D ISTRIBUTIONS ON I NTEGRATED LAUNCH VEHICLE; TO OBTAI N FORCE DATA	PRESSURE FORCE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	R. L. GILLINS, E. CHEE/RI D. A. SARVER J.T.DAVIET -DMS	DMS-DR-2084 VOLUME 09 MAY, 1975
ARC - 11TWT - 716 / IA14A CR-141,502	AIRLOADS INVESTIG ATIONS OF AN 0.03 O-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B L AUNCH CONFIGURATI ON (MODEL 47-OTS) IN THE ARC 11-FO OT UNITARY PLAN W IND TUNNEL FOR MA CH RANGE 0.6 TO 1 .4 (IA14A)	SSV 140A/B LAUNCH	OBTAIN PRESSURE D ISTRIBUTIONS ON I NTEGRATED LAUNCH VEHICLE; TO OBTAI N FORCE DATA	PRESSURE FORCE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	R. L. GILLINS, E. CHEE/RI D. A. SARVER J.T.DAVIET -DMS	DMS-DR-2084 VOLUME 10 MAY, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 716 / IA14A CR-141,503	AIRLOADS INVESTIGATIONS OF AN 0.030-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B LAUNCH CONFIGURATION (MODEL 47-OTS) IN THE ARC 11-FOOT UNITARY PLAN WIND TUNNEL FOR MACH RANGE 0.6 TO 1.4 (IA14A)	SSV 140A/B LAUNCH	OBTAIN PRESSURE DISTRIBUTIONS ON INTEGRATED LAUNCH VEHICLE; TO OBTAIN FORCE DATA	PRESSURE FORCE	0.030 / 0.6 - 1.4	ARC / ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	R.L. GILLINS, E. CHEE/RI / D. A. SARVER J.T.DAVIET -DMS	DMS-DR-2084 VOLUME 11 MAY, 1975
ARC - 3.5HWT - 171 / OH10 IH2 CR-167,344	REPORT OF PRESSURE DISTRIBUTION TESTS OF THE 0.010-SCALE SPACE SHUTTLE VEHICLE MODEL (26-OTS) IN THE NASA/ARC 3.5-FOOT HYPERSONIC WIND TUNNEL (TESTS OH10 AND IH2)	SPACE SHUTTLE INTEGRATED VEHICLE PRESSURE MODEL 26-OTS	TO OBTAIN HYPERSONIC SURFACE PRESSURES ON THE MODEL TO CORRELATE AERODYNAMIC HEATING DATA AND VERIFY LOADS PREDICTIONS	PRESSURE	0.010 , 0.10 / 5.3 - 7.4	ARC / ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	W. H. DYE, R. B. KINGSLAND /ROCKWELL / D. A. SARVER H. C. ZIMMERLE -DMS	DMS-DR-2085 JAN., 1982
NRLAD - LSWT - 712 / OA71C CR-134,078	EFFECTS OF THE SIX ENGINE AIR BREATHING PROPULSION SYSTEM ON SPACE SHUTTLE ORBITER SUBSONIC STABILITY AND CONTROL CHARACTERISTICS	-89B ORBITER SPACE SHUTTLE ORBITER/ET	OPTIMIZE AIR BREATHING PROPULSION SYSTEM NACELLE COWL-INLET DESIGN AND DETERMINE THE EFFECT OF THIS DESIGN ON THE ORBITER STABILITY AND CONTROL CHARACTERISTICS	FORCE	0.0405 / 0.21 -	NRLAD / NRLAD - LOW SPEED WIND TUNNEL	R.C. MENNELL AND T. SOARD / ROCKWELL / D. E. POUCHER -DMS	DMS-DR-2086 FEB., 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC -	EFFECT OF ENGINE	SRB WITH VARIED S	DETERMINE EFFECTS	FORCE	0.00563 /	MSFC /	J.D. JOHNSON / MS	DMS-DR-2087
14TWT -	SHROUD CONFIGURAT	HROUD LENGTHS AND	OF ENGINE SHROUD		0.4 -	NSI /	FC	SEPT., 1974
578 /	ION ON THE STATIC	FLARE ANGLES	SIZE AND SHAPE O		4.96	MSFC -	W.F. BRADDOCK / N	
SA1OF	AERODYNAMIC	SRB WITH VARIED S	N AERODYNAMIC			14-INCH TRISON	SI	
CR-134,116	CHARACTERISTICS O	HROUD MOUNTED STR	CHARACTERISTICS O			IC WIND TUNNEL	V. W. SPARKS	
	F A 0.00563 SCALE	AKES AND TVC BOTT	F THE SRB				V. W. SPARKS	
	142-INCH DIAMETE	LES					-DMS	
	R SOLID ROCKET							
	BOOSTER							
LARC -	AERODYNAMIC CHARA	142-INCH SOLID RO	AERODYNAMICS OF S	FORCE	0.02112 /	LARC /	J.D.JOHNSON/MSFC	DMS-DR-2088
8TPT -	CTERISTICS OF A 1	CKET BOOSTER	RB DURING FREE-FA		0.4 -	LARC -	W.D.RADFORD/NSI	JULY, 1974
655 /	42-INCH DIAMETER		LL		1.2	8-FOOT TRANSON	J. E. VAUGHN	
8TPT -	SOLID ROCKET					IC PRESSURE TU	A. T. KAVANAUGH	
662 /	BOOSTER (CONFIGUR					NNEL	-DMS	
SA2FA	ATION 139)					8-FOOT TRANSON		
SA2FB						IC PRESSURE TU		
CR-134,105						NNEL		
LARC -	RESULTS OF INVEST	140A/B	VERIFY LONGITUDIN	FORCE	0.015 /	LARC /	J. H. CAMPBELL II	DMS-DR-2089
8TPT -	IGATIONS ON AN O.		AL AND LATERAL-DI		0.35 -	LARC -	AND M. E. NICHOL	APRIL, 1974
661 /	015-SCALE CONFIGU		RECTIONAL CHARACT		1.2	8-FOOT TRANSON	S/ROCKWELL INTERN	
OA25	RATION 140A/B SPA		ERISTICS OF 140A/			IC PRESSURE TU	ATIONAL	
CR-134,082	CE SHUTTLE ORBITE		B ORBITER, DETERM			NNEL	W. P. PHILLIPS/LA	
	R MODEL (49-0) IN		INE SURFACE DEFLE				NGLEY RESEARCH CE	
	THE NASA/LANGLEY		CTION EFFECTS ON				NTER	
	RESEARCH CENTER		VEHICLE PERFORMAN				B. W. MYERS	
	8-FOOT TRANSONIC		CE, AND TO DETERM				-DMS	
	PRESSURE TUNNEL (		INE COMPONENT BUI					
	OA25)		LDUP EFFECTS					
LARC -	SUPERSONIC PERFOR	089B-139B ORBITER	TO STUDY THE SUPE	FORCE	0.01875/	LARC /	G. M. WARE/LARC	DMS-DR-2090
UPWT -	MANCE, STABILITY	CONFIGURATION	RSONIC AERODYNAMI		1.9 -	LARC -	R. W. POWELL/LARC	MARCH, 1974
1040 /	AND CONTROL CHARA		C CHARACTERISTICS		2.86	UNITARY PLAN W	J. E. VAUGHN	
LA8C	CTERISTICS OF A O		OF A ROCKWELL IN			IND TUNNEL	B. W. MYERS	
CR-134,080	.01875 SCALE MODE						-DMS	
	L ROCKWELL INTERN							
	ATIONAL 089B-139B							
	ORBITER CONFIGUR							
	ATION (LA8C)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - 8TPT - 657/660 / LA7B CR-141,512	SUBSONIC AND TRANSONIC AERODYNAMIC CHARACTERISTICS ASSOCIATED WITH VARIATIONS IN THE GEOMETRY OF THE FORWARD PORTION OF IRREGULAR PLANFORM WINGS ON A .01875 SCALE LO-100 LANGLEY CONCEPT SPACE SHUTTLE ORBITER IN THE LANGLEY 8-FOOT TPT (LA7B)	LO-100 ORBITER	EFFECTS OF WING-FILLET LEADING EDGE CONFIGURATION	FORCE	0.35 - 1.2	LARC / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL	B. SPENCER /NASA D. E. POUCHER -DMS	DMS-DR-2091 MARCH, 1975
LARC - 22HT - 415 / OA72 TM-X 71968	HYPERSONIC STABILITY AND CONTROL CHARACTERISTICS OF A 0.004 SCALE MODEL (34-0) ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER VEHICLE 3 CONFIGURATION (OA-72)	ORBITER 139B (34-0)	TO DETERMINE THE HYPERSONIC AERODYNAMIC PERFORMANCE, LONGITUDINAL TRIM, AND STATIC STABILITY AND CONTROL AND DETERMINE THE EFFECT OF REYNOLDS NUMBER ON LONGITUDINAL STABILITY.	FORCE	0.004 / 17.6 - 21.6	LARC / LARC - 22-INCH HELIUM TUNNEL	DAVID R. STONE/LARC ROBERT MULFINGER/RI M. M. MANN -DMS	DMS-DR-2092 NOV., 1974
MSFC - 14TWT - 585 / IA37B CR-134,090	EFFECT OF EXTERNAL TANK NOSE SHAPE ON THE ROCKWELL INTERNATIONAL SPACE SHUTTLE VEHICLE 3, (INTEGRATED CONFIGURATION (IA-37B)	EXTERNAL TANK, T9 EXTERNAL TANK, T11 EXTERNAL TANK, T15 SRB, S12	TO INVESTIGATE THE EFFECT ON THE INTEGRATED VEHICLE AERODYNAMIC CHARACTERISTICS OF SEVERAL TANK NOSE SHAPES	FORCE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	E. C. ALLEN/RI V. W. SPARKS J. L. GLYNN -DMS	DMS-DR-2093 MARCH, 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	FLUTTER TESTS (OS	BASIC WING AND 11	ACQUIRE EXPERIMEN	STRUCT-DYN	0.55 -	LARC /	MICHAEL A. KOTCH	DMS-DR-2094
26TBT -	1) OF THE 0.02-SC	HZ INBD AND 13.5	TAL FLUTTER BOUND		1.3	LARC -	A. T. KAVANAUGH	MARCH, 1974
545 /	ALE ORBITER WING	HZ OUTBD ELEVON	ARY DATA IN THE T			26-INCH TRANSO	-DMS	
OS1	ELEVON SEMI-SPAN	ROTATIONAL FREQ	RANSONIC FLIGHT			NIC BLOWDOWN T		
CR-134,073	MODEL 23-O	BASIC WING AND 11	REGIME TO SUPPORT			UNNEL		
		HZ INBD AND 11 H	ANALYTICAL FLUTT					
		Z OUTBOARD ELEVON	ER PREDICTIONS					
		ROTATIONAL FREQ						
MSFC -	AN INVESTIGATION	ORBITER	VERIFY THE STABIL	FORCE	0.6 -	RI /	R. MULFINGER / R	DMS-DR-2095
14TWT -	OF THE STABILITY		ITY AND CONTROL C		4.96	MSFC -	OCKWELL INTERNATI	SEPT., 1974
581 /	AND CONTROL CHARA		HARACTERISTICS OF			14-INCH TRISON	ONAL	
0A49	CTERISTICS		THE VEHICLE 4			IC WIND TUNNEL	D. A. SARVER	
CR-134,404	OF THE VEHICLE 4		CONFIGURATION				M. M. MANN	
	CONFIGURATION						-DMS	
LARC -	HEAT TRANSFER TES	B10C5D7F4M3V5W87	OBTAIN ORBITER EN	HEAT-TRANS	0.006 /	LARC /	D. G. WALSTAD/ROC	DMS-DR-2096
8VDHT -	TS OF AN 0.006-SC		TRY HEATING DISTR		8.0 -	LARC -	KWELL INTERNATION	AUGUST, 1974
644 /	ALE THIN SKIN SPA		IBUTIONS AND C		8.0	MACH 8 VARIABL	AL	
0H13	CE SHUTTLE THERMO		ORRELATE PHASE CH			E-DENSITY HYPE	P. LAWING/NASA	
CR-134,101	COUPLE MODEL (41-		ANGE PAINT DATA W			RSONIC TUNNEL	B. W. MYERS	
	0) IN THE LANGLEY		ITH THERMOCOUPLE				-DMS	
	RESEARCH CENTER		DATA					
	VARIABLE DENSITY							
	TUNNEL AT M=8							

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        *                  *                  *                  *          *MODEL     *                *   COGNIZANT     *   BASIC
  TEST  *                  *  CONFIGURATIONS *       TEST        *  TYPE OF  *     SCALE*  TESTING       *   TEST DMS      *PUBLICATIONS
   ID   *   REPORT TITLE   *     TESTED       *      PURPOSE      *   TEST    *MACH RANGE*  AGENCY        *   PERSONNEL     *OR COMMENTS
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NRLAD   - *CONTINUED INVESTI*140A/B SSV ORBITE*CONTINUE STUDIES *FORCE      *0.0405  / *NR       /      *R. MENNELL/ROCKWE*DMS-DR-2097
LSWT    - *GATIONS IN THE NA*R                *INITIATED ON TEST*           *0.2   -   *NRLAD    -      *LL INTERNATIONAL *JUNE,    1974
715      /*AL LOW SPEED WIND*                 *S 0A16, 0A71A, AN*           *0.2       *LOW SPEED WIND*M. M. MANN       *
0A62A     *TUNNEL INTO THE  *                 *D 0A71C FOR OPTIM*           *          *TUNNEL        *-DMS             *
CR-134,102*EFFECTS OF THE AI*                 *IZING THE AIR BRE*           *          *              *                 *
          *R BREATHING PROPU*                 *ATHING PROPULSION*           *          *              *                 *
          *LSION SYSTEM ON O*                 *SYSTEM (ABPS) AN *           *          *              *                 *
          *RBITER SUBSONIC  *                 *D INVESTIGATE THE*           *          *              *                 *
          *STABILITY AND CON*                 *AERODYNAMIC EFFEC*           *          *              *                 *
          *TROL CHARACTERIST*                 *TS OF VARIOUS NAC*           *          *              *                 *
          *ICS (0A62A)      *                 *ELLE NUMBER/LOCAT*           *          *              *                 *
          *                 *                 *ION CONFIG. ON TH*           *          *              *                 *
          *                 *                 *E ORBITER STABILI*           *          *              *                 *
          *                 *                 *TY AND CONTROL CH*           *          *              *                 *
          *                 *                 *ARACTERISTICS    *           *          *              *                 *
          *                 *                 *                 *           *          *              *                 *
ARC     - *HEAT TRANSFER TES*B10C5D7F4M3V5W87 *PARAMETRICALLY IN*HEAT-TRANS*0.006    / *ARC      /      *D. G. WALSTAD AND*DMS-DR-2098
3.5HWT  - *TS OF A  0.006-SC*B10C5D7F4M3V5W87T*VESTIGATE THE ASC*           *5.3   -   *ARC      -      *W. J. GRIFALL/ R *OCT.,    1974
172      /*ALE THIN-SKIN SPA*8                *ENT HEATING OF TH*           *5.3       *3.5-FOOT HYPER*OCKWELL INTERNATI*
IH15      *CE SHUTTLE MODEL *B10C5D7F4M3V5W87T*E INTEGRATED VEHI*           *          *SONIC WIND TUN*ONAL             *
CR-134,096*(41-OTS) IN THE A*8S6              *CLE              *           *          *NEL           *T. L. LOCKMAN/ARC*
          *MES 3.5-FOOT HWT *T8               *                 *           *          *              *T. L. MULKEY     *
          *AT M=5.3         *                 *                 *           *          *              *B. W. MYERS      *
          *                 *                 *                 *           *          *              *-DMS             *
          *                 *                 *                 *           *          *              *                 *
AEDC    - *DATA REPORT FOR T*22-OT            *HEAT TRANSFER EFF*HEAT-TRANS*0.0175   / *AEDC     /      *T. F. FOSTER, W. *DMS-DR-2099
HWTB    - *ESTS ON THE HEAT *                 *ECTS             *           *8.0   -   *AEDC     -      *J. GRIFALL /ROCKW*VOLUME 01
VA352    /*TRANSFER EFFECTS *                 *                 *           *8.0       *HYPERSONIC WIN*ELL              *FEB.,    1975
OH4B      *OF THE 0.0175-SCA*                 *                 *           *          *D TUNNEL (B)  *D. A. SARVER     *
CR-134,419*LE ROCKWELL INTER*                 *                 *           *          *              *B. J. FRICKEN    *
          *NATIONAL SPACE SH*                 *                 *           *          *              *-DMS             *
          *UTTLE VEHICLE MOD*                 *                 *           *          *              *                 *
          *EL 22-OT IN THE A*                 *                 *           *          *              *                 *
          *EDC 50-INCH B WIN*                 *                 *           *          *              *                 *
          *D TUNNEL         *                 *                 *           *          *              *                 *
          *                 *                 *                 *           *          *              *                 *
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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	DATA REPORT FOR T	22-OT	HEAT TRANSFER EFF	HEAT-TRANS	0.0175 /	AEDC /	T. F. FOSTER, W.	DMS-DR-2099
HWTB -	ESTS ON THE HEAT		ECTS		8.0 -	AEDC -	J. GRIFALL/ROCKWE	VOLUME 02
VA352 /	TRANSFER EFFECTS				8.0	HYPERSONIC WIN	LL	FEB., 1975
OH4B	OF THE 0.0175-SCA					D TUNNEL (B)	D. A. SARVER	
CR-134,438	LE ROCKWELL INTER						B. J. FRICKEN	
	NATIONAL SPACE SH						-DMS	
	UTTLE VEHICLE MOD							
	EL 22-OT IN THE A							
	EDC 50-INCH WIND							
	TUNNEL							
AEDC -	DATA REPORT FOR T	22-OT	HEAT TRANSFER EFF	HEAT-TRANS	0.0175 /	AEDC /	T. F. FOSTER, W.	DMS-DR-2099
HWTB -	ESTS ON THE HEAT		ECTS		8.0 -	AEDC -	J. GRIFALL/ROCKWE	VOLUME 03
VA352 /	TRANSFER EFFECTS				8.0	HYPERSONIC WIN	LL	FEB., 1975
OH4B	OF THE 0.0175-SCA					D TUNNEL (B)	D. A. SARVER	
CR-134,439	LE ROCKWELL INTER						B. J. FRICKEN	
	NATIONAL SPACE SH						-DMS	
	UTTLE VEHICLE MOD							
	EL 22-OT IN THE A							
	EDC 50-INCH B WIN							
	D TUNNEL							
AEDC -	PHASE CHANGE PAIN	ORB.(VL70-000139)	DETERMINE INTERFE	HEAT-TRANS	0.0175 /	AEDC -	M.QUAN,C.CRAIG/RI	DMS-DR-2100
HWTB -	T TESTS ON ROCKWE	/ET (VL78-00041)	RENCE EFFECTS AND		8.0 -	HYPERSONIC WIN	M. M. MOSER JR.	JUNE, 1974
VA289 /	LL ORBITER/TANK A	AND ORB. ALONE	HEATING RATES ON		8.0	D TUNNEL (B)	-DMS	
OH3A	ND ORBITER ALONE	RI ORBITER (VL70-	AN ORBITER/TANK					
OH3B	CONFIGURATIONS	000139)	CONFIGURATION AND					
CR-134,075			ON AN ORBITER AL					
			ONE,WITH AND WITH					
			OUT TPS TILE SIMU					
			LATION.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	HEAT TRANSFER PHA	B17C7M4F5W103E22V	DETERMINE THE EFF	HEAT-TRANS	0.00593/	LARC /	R. JONES, T. CREE	DMS-DR-2101
8VDHT -	SE CHANGE PAINT T	7R5	ECTS OF VARIOUS W		8.0 -	LARC -	L, P. LAWING/NASA	JAN., 1974
4080/4105/	EST (OH-42) OF A	B17C7M4F5W104E22V	ING/UNDERBODY CON		8.0	MACH 8 VARIABL	M. QUAN, W. DYE,	
4130/4193/	ROCKWELL	7R5	FIGURATIONS ON			E-DENSITY HYPE	J. CUMMINGS, H. G	
OH42A	INTERNATIONAL SSV	B17C7M4F5W106E22V	THE AERODYNAMIC			RSONIC TUNNEL	OROWITZ, C. CRAIG	
OH42B	ORBITER IN THE N	7R5H16	HEATING RATES AND				, G. RICH/RI	
OH42C	ASA/LRC MACH 8 VA	B17C7M4F5W106E22V	BOUNDARY LAYER T				D. A. SARVER	
CR-134,076	RIABLE DENSITY	7R5H17	RANSITION DURING				G. G. MCDONALD	
	WIND TUNNEL		SIMULATED ENTRY C				-DMS	
			ONDITIONS					
ARC -	RESULTS OF INVEST	OT+L+P1+A1+F	EFFECTS OF VARIOU	FORCE	0.010 /	ARC /	M. T. PETROZZI, M	DMS-DR-2102
3.5HWT -	IGATIONS ON A 0.0		S ELEVON, RUDDER,		7.3 -	ARC -	. D. MILAM /RI J	APRIL, 1974
175 /	10-SCALE MODEL OF		ATTACHING STRUCT		7.3	3.5-FOOT HYPER	. A. MELLENTHIN /	
IA15	THE		URES, FAIRINGS,			SONIC WIND TUN	ARC	
CR-134,089	CONFIGURATION 3 S		AND MAIN PROPULSI			NEL	D. A. SARVER	
	PACE SHUTTLE ORBI		ON ROCKET PLUMES				G. G. MCDONALD	
	TER AND EXTERNAL		ON LONGITUDINAL A				-DMS	
	TANK IN THE NASA/		ND LATERAL-					
	AMES RESEARCH CEN		DIRECTIONAL STABI					
	TER 3.5-FOOT HYPE		LITY CHARACTERIST					
	RSONIC WIND TUNNE		ICS					
	L (IA15)							
MSFC -	WIND TUNNEL TEST	(034)(T9)(S12)(PT	DETERMINE EFFECT	FORCE	0.004,	ROCKWELL/	E.C. ALLEN/ROCKWE	DMS-DR-2103
14TWT -	RESULTS OF FAIRIN	4)(FR4)	OF FULL LENGTH OR		0.004 /	MSFC -	LL INTERNATIONAL	APRIL, 1974
589 /	GS ON A 0.004 SCA	(034)(T14)(S12)	BITER/EXTERNAL TA		0.6 -	14-INCH TRISON	TOM HAMILTON/ROCK	
TWT -	LE MODEL ROCKWELL		NK FAIRING ON		5.0	IC WIND TUNNEL	WELL INTERNATIONA	
IA62F	SPACE SHUTTLE INT		AXIAL FORCE			TRISONIC WIND	L SPACE DIVISION	
CR-134,094	EGRATED VEHICLE A					TUNNEL	J. E. VAUGHN	
	ERODYNAMIC CHARAC						G. G. MCDONALD	
	TERISTICS AT MACH						-DMS	
	NUMBERS FROM 0.6							
	TO 4.96 (IA62F)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	INVESTIGATION OF	140A/B SSV ORBITE	ESTABLISH BASIC L	FORCE	0.0405 /	NR /	R. MENNELL/RI SPA	DMS-DR-2104
LSWT -	SPACE SHUTTLE ORB	R	ONGITUDINAL STABI		0.12 -	NRLAD -	CE DIVISION	VOLUME 01
717 /	ITER SUBSONIC STA		LITY CHARACTERIST		0.26	LOW SPEED WIND	T. HUGHES/RI SPAC	JULY, 1974
OA62B	BILITY AND CONTRO		ICS IN AND OUT OF			TUNNEL	E DIVISION	
CR-134,112	L CHARACTERISTICS		GROUND EFFECT AN				M. M. MANN	
	IN THE NAAL LOW		D LATERAL-DIRECTI				-DMS	
	SPEED WIND TUNNEL		ONAL STABILITY CH					
	(OA62B)		ARACTERISTICS IN					
			FREE AIR					
NRLAD -	INVESTIGATION OF	140A/B SSV ORBITE	ESTABLISH BASIC L	FORCE	0.0405 /	NR /	R. MENNELL / ROCK	DMS-DR-2104
LSWT -	SPACE SHUTTLE ORB	R	ONGITUDINAL STABI		0.12 -	NRLAD -	WELL INTERNATIONA	VOLUME 02
717 /	ITER SUBSONIC STA		LITY CHARACTERIST		0.26	LOW SPEED WIND	L / SPACE DIVISIO	AUGUST, 1974
OA62B	BILITY AND		ICS IN AND OUT			TUNNEL	N	
CR-134,113	CONTROL CHARACTER		OF GROUND EFFECT				T. HUGHES / ROCK	
	ISTICS IN THE NAA		AND LATERAL-DIREC				WELL INTERNATIONA	
	L LOW SPEED WIND		TIONAL STABILITY				L / SPACE DIVISIO	
	TUNNEL (OA62B)		CHARACTERISTICS				N	
			IN FREE AIR.				M. M. MANN	
							-DMS	
LARC -	TRANSITION HEATIN	ORBITER + EXTERNA	TO INVESTIGATE AS	HEAT-TRANS	8.0 -	LARC /	J. CUMMINGS/RI	DMS-DR-2105
8VDHT -	G RATES OBTAINED	L TANK, SSV MODEL	CENT HEATING OF T		8.0	LARC -	D. A. SARVER	SEPT., 1976
646/647 /	ON A MATED AND IS	41-OTS	HE COMBINED TANK			MACH 8 VARIABL	J. E. VAUGHN	
IH17	OLATED 0.006 SCAL	EXTERNAL TANK ALO	AND ORBITER			E-DENSITY HYPE	-DMS	
CR-144,594	E MODEL (41-OT) S	NE, SSV MODEL 41-				RSONIC TUNNEL		
	PACE SHUTTLE ORBI	OTS						
	TER AND EXTERNAL	ORBITER ALONE, SS						
	TANK IN THE NASA/	V MODEL 41-OTS						
	LARC VARIABLE DEN							
	SITY HYPERSONIC T							
	UNNEL							
LARC -	SUPERSONIC DYNAMI	089B ORB.W/MOD NO	MEASURE DYNAMIC S	FORCE	.0165 /	LARC /	D.C. FREEMAN, R.P	DMS-DR-2106
UPWT -	C STABILITY DERIV	SE	TABILITY DERIVATI			LARC -	. BOYDEN, E.E. DA	JAN., 1975
1046/1049/	ATIVES OF A MODIF		VES			UNITARY PLAN W	VENPORT/LARC	
LA14A	IED 089B		(SEE ALSO LA-20 F			IND TUNNEL	J. E. VAUGHN	
LA14B	SHUTTLE ORBITER		OR LOW MACH NO.DA				J. E. VAUGHN	
TM-X			TA)				-DMS	
72630								

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	SUBSONIC AND TRAN	089B ORBITERW/MOD	MEASURE DYNAMIC S	FORCE	.0165 /	LARC /	D. C. FREEMAN/NAS	DMS-DR-2107
8VDHT -	SONIC DYNAMIC STA	. NOSE	TABILITY DERIVATI		.3 -	LARC -	A-LARC	MARCH, 1975
653 /	BILITY DERIVATIVE		VES		1.2	MACH 8 VARIABL	J. E. VAUGHN	
LA20	S OF A		(SEE ALSO LA-14 T			E-DENSITY HYPE	J. E. VAUGHN	
TM-X	MODIFIED 089B SHU		EST RESULTS FOR H			RSONIC TUNNEL	-DMS	
72631	TTLE ORBITER		IGHER MACH NO. DA					
			TA)					
LARC -	RESULTS OF TESTS	B26C9E26F8M7N25R5	OBTAIN LOCAL PRES	FORCE	0.015 /	LARC /	D. E. THORNTON AN	DMS-DR-2108
UPWT -	(OA64 AND IA35) O	N116	SURE DISTRIBUTION		2.5 -	LARC -	D R. H. SPANGLER/	MAY, 1974
1063 /	F AN 0.015-SCALE	B26C9E26F8M7N25R5	S ON ORBITER FUSE		4.5	UNITARY PLAN W	ROCKWELL INTERNAT	
IA35	MODEL (36-OTS) OF	N116S12T12	LAGE TO SUPPORT V			IND TUNNEL	IONAL	
OA64	THE SPACE SHUTTL		ENTING STUDIES AN				B. W. MYERS	
CR-134,084	E CONFIGURATION 1		D TO DETERMINE EF				-DMS	
	40A/B IN THE NASA		FECT OF ELEVON DE					
	/LARC UNITARY PLA		FLECTIONS IN THE					
	N WIND TUNNEL		AFT PORTION OF TH					
			E ORBITER FUSELAG					
			E					
LARC -	ENTRY HEAT TRANSF	147B CONFIGURATIO	TO DETERMINE THE	HEAT-TRANS	6.0 -	LARC /	J. W. FOUST,RI	DMS-DR-2109
CF4 -	ER TESTS OF THE O	N ORBITER MODEL (	EFFECTS OF THE LO		6.0	LARC -	R. E. MIDDEN,LARC	JAN., 1976
121-137 /	.006-SCALE SPACE	50-O)	W FREON SPECIFIC			FREON TUNNEL	J. E. VAUGHN	
OH45	SHUTTLE (-147B) O		HEAT RATIO ON THE				R. H. LINDAHL	
CR-141,527	RBITER MODEL (50-		HEATING DISTRIBUT				-DMS	
	O) IN THE LANGLEY		IONS AND TO DETER					
	RESEARCH CENTER		MINE THE IMPINGEM					
	FREON TUNNEL AT M		ENT OF THE ORBITE					
	ACH 6 (OH45)		R BOW SHOCK ON TH					
			E WING.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	HEAT TRANSFER TES	ORBITER CONFIGURA	TO OBTAIN ASCENT	HEAT-TRANS	6.0 -	LARC /	D. G. WALSTAD/ RO	DMS-DR-2110
CF4 -	TS OF AN 0.006-SC	TION 2A	HEATING DATA AT C			LARC -	CKWELL INTERNATIO	JAN., 1976
97-118 /	ALE THIN-SKIN SPA	EXTERNAL TANK	ONDITIONS SIMULAT			FREON TUNNEL	NAL	
IH18	CE SHUTTLE		ING REAL GAS				J. E. VAUGHN	
CR-144,589	THERMOCOUPLE MODE		EFFECTS AT HYPERS				M. M. MANN	
	L (41-OT) IN THE		ONIC MACH NUMBERS				-DMS	
	LANGLEY RESEARCH							
	CENTER FREON							
	TUNNEL AT M = 6 (							
	IH18)							
MSFC -	REENTRY AERODYNAM	MODEL 449/CONF.NB	TO EVALUATE STATI	FORCE	0.563 /	LARC /	J. D. JOHNSON	DMS-DR-2111
14TWT -	IC CHARACTERISTIC	RE1, NBRE1A, NBRE	C AERODYNAMIC STA		0.6 -	MSFC -	W. F. BRADDOCK/NS	NOV., 1974
590/595 /	S OF A SPACE SHUT	1B, NBRE1S1ELT	BILITY OF AN SRB.		4.96	14-INCH TRISON	I	
SA26F	TLE SOLID ROCKET					IC WIND TUNNEL	J. E. VAUGHN	
CR-134,435	BOOSTER MODEL 449						-DMS	
	TESTED IN MSFC 1							
	4 X 14 INCH TWT							
AEDC -	AERODYNAMIC RESUL	INTEGRATED VEHICL	DETERMINE PROXIMI	FORCE	0.01 /	ROCKWELL/	J.J. DAILEDA/RI	DMS-DR-2112
SWTA -	TS OF WIND TUNNEL	E (CONFIGURATION	TY FORCE AND MOME		4.5 -	AEDC -	J. E. VAUGHN	NOV., 1974
VA422 /	SEPARATION TESTS	3)	NTS FOR ORB.AND E			SUPERSONIC WIN	J. E. VAUGHN	
IA57	ON A 0.01-SCALE		.T. AND SRB			D TUNNEL (A)	-DMS	
CR-134,401	MODEL (32-OTS) SP		W AND W/O SEPARAT					
	ACE SHUTTLE INTEG		ION ROCKETS FIRIN					
	RATED VEHICLE (IA		G.					
	57)							
LARC -	EFFECTS OF REACTI	VL70-000139	OBTAIN DETAILED E	FORCE	0.010 /	LARC /	T. A. BLACKSTOCK	DMS-DR-2113
CFHT -	ON CONTROL SYSTEM		FFECTS ON SSV HYP		10.3 -	LARC -	/LARC - J. J. DAI	OCT., 1974
101 /	JET FLOW FIELD I		ERSONIC AERODYNAM		10.3	CONTINUOUS-FLO	LEDA, J. MARROQUI	
0A85	NTERACTIONS ON TH		IC AND STABILITY			W HYPERSONIC T	N /RI	
CR-134,111	E AERODYNAMIC CHA		AND CONTROL CHARA			UNNEL	M. M. MOSER JR.	
	RACTERISTICS OF A		CTERISTICS OF RSC				-DMS	
	0.010 SCALE SPAC		JET FLOW FIELD I					
	E SHUTTLE ORBITER		NTERACTION WITH T					
	MODEL IN THE LAN		HE LOCAL VEHICLE					
	GLEY RESEARCH CEN		FLOW FIELD.					
	TER 31-INCH CFHT							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	AERODYNAMIC INVES	B30 THRU B50C9M7F	INVESTIGATION OF	FORCE	0.0405 /	NRLAD /	R. C. MENNELL/RI	DMS-DR-2114
LSWT -	TIGATIONS INTO VA	8W116E26V8R5X9	VARIOUS BASE DRAG		0.2 -	NRLAD -	D. A. SARVER	JUNE, 1974
716 /	RIOUS LOW SPEED L		REDUCTION TECHNI		0.2	LOW SPEED WIND	G. G. MCDONALD	
OA86	/D IMPROVEMENT		QUES IN AN			TUNNEL	-DMS	
CR-134,098	DEVICES ON THE 14		ATTEMPT TO IMPROV					
	OA/B SPACE SHUTTL		E L/D RATIOS AND					
	E ORBITER CONFIGU		TO CALCULATE STIN					
	RATION IN THE RI		G INTERFERENCE					
	NAAL WIND TUNNEL		EFFECTS					
	(OA86)							
ARC -	RESULTS OF INVEST	140A/B	VERIFY SUPERSONIC	FORCE	0.015 /	ARC /	M. T. PETROZZI AN	DMS-DR-2115
3.5HWT -	IGATIONS ON A 0.0		STABILITY AND CO		5.3 -	ARC -	D M. D. MILAM/ROC	MARCH, 1974
176 /	15-SCALE MODEL (4		NTROL CHARACTERIS		10.0	3.5-FOOT HYPER	KWELL INTERNATION	
OA87	9-0) OF THE SPACE		TICS, VERIFY CONT			SONIC WIND TUN	AL	
CR-134,085	SHUTTLE ORBITER		ROL SURFACE EFFEC			NEL	J. A. MELLENTHIN/	
	IN THE NASA/AMES		TIVENESS AND INVE				AMES RESEARCH CEN	
	3.5-FOOT HYPERSON		STIGATE REYNOLDS				TER	
	IC WIND TUNNEL (O		NUMBER EFFECT				B. W. MYERS	
	A87)						-DMS	
NRLAD -	EFFECT OF THE SIX	B19C7F5J59W107E23	EFFECT OF THREE A	FORCE	0.015 /	NR /	H. C. SMITH /RI	DMS-DR-2116
7TWT -	ENGINE AIR BREAT	V7R5X20 + NACELLE	IR BREATHING PROP		0.5 -	NRLAD -	D. A. SARVER	APRIL, 1974
278 /	HING PROPULSION S	RAKES	ULSION SYSTEM FER		0.9	7-FOOT TRISONI	G. G. MCDONALD	
OA91	YSTEM ON SPACE		RY/FLIGHT TEST			C WIND TUNNEL	-DMS	
CR-134,888	SHUTTLE ORBITER S		CONFIGURATIONS ON					
	UBSONIC AND TRANS		TRANSONIC DRAG R					
	ONIC STABILITY AN		ISE, ELEVON EFFEC					
	D CONTROL		TIVENESS,					
	CHARACTERISTICS (		LONG. STABILITY,					
	OA91)		AND LAT-DIR STAB					
			OF THE -139B SHUT					
			TLE ORBITER					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - 8VDHT - 648 / OH14 CR-147,617	TRANSITION HEATING RATES DETERMINED ON A 0.006 SCALE SPACE SHUTTLE ORBITER MODEL (NO. 50-0) IN THE NASA/LARC MACH 8 VARIABLE DENSITY WIND TUNNEL TEST (OH14)	B22C7F5M4V7W111	PERFORMED TO DETERMINE TRANSITION HEATING RATES USING THIN SKIN THERMOCOUPLES.	HEAT-TRANS	.006 / 8.0 - 8.0	LARC / LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL	J. CUMMINGS/ROCKWELL INTERNATIONAL R. RAPARELLI/ROCKWELL INTERNATIONAL G. G. MCDONALD-DMS	DMS-DR-2117 SEPT., 1976
LARC - 8TPT - 667 / IA41 CR-134,108	RESULTS OF TRANSONIC WIND TUNNEL TESTS ON AN 0.015 SCALE SPACE SHUTTLE MATED VEHICLE MODEL(67-OTS) IN THE LARC 8-FOOT TPT (IA41)	MATED INTEGRATED VEHICLE MODEL(67-OTS)	LONG. AND LAT.-DIRECT STAB. CHAR. DURING CONFIG BUILD-UP. (SEE ALSO IA42A/B TEST RESULTS FOR HIGHER MACH NO. DATA)	FORCE	0.015 / 0.6 - 1.20	ROCKWELL/ LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL	R. HARDIN/ R. BURROWS- ROCKWELL J. E. VAUGHN J. E. VAUGHN-DMS	DMS-DR-2118 AUGUST, 1974
LARC - UPWT - 1056/1073/ IA42A IA42B CR-134,109	SUPERSONIC TESTS OF AN 0.015-SCALE SPACE SHUTTLE MATED VEHICLE MODEL (67-OTS) IN THE LARC UPWT TO OBTAIN AERODYNAMIC FORCE DATA	CONFIGURATION 4 MATED SSV (67-OTS)	TO OBTAIN AERODYNAMIC FORCE DATA	FORCE	0.015 / 1.6 - 4.6	ROCKWELL/ LARC - UNITARY PLAN WIND TUNNEL	R. HARDIN, R. BURROWS/RI D. A. SARVER J. E. VAUGHN-DMS	DMS-DR-2119 AUGUST, 1974
LARC - 8TPT - 668 / OA106 CR-134,426	WIND TUNNEL TESTS OF AN 0.015-SCALE CONFIGURATION 140A/B SPACE SHUTTLE ORBITER MODEL (67-O) IN THE NASA/LRC 8-FOOT TPT TO OBTAIN TRANSONIC AERODYNAMIC FORCE DATA (OA106)	ORBITER	EFFECT OF SPEEDBRAKE AND BODY FLAP	FORCE	0.015 / 0.35 - 1.2	R.I. / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL	V. W. SPARKS M. M. MOSER JR.-DMS	DMS-DR-2120 JAN., 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	TRANSONIC AERODYN	TASK CANCELLED, J	TEST CANCELLED, J	FORCE	0.015 /	LARC /	W.P. PHILLIPS	DMS-DR-2121
8TPT -	AMIC INVESTIGATIO	ULY, 1975	ULY 1975		0.35 -	LARC -	D.C. FREEMAN, JR.	TASK
669 /	N OF CONFIGURATIO				1.2	8-FOOT TRANSON	V. W. SPARKS	CANCELLED
LA38A	N MODIFICATIONS					IC PRESSURE TU	V. W. SPARKS	JULY, 1975
	TO RI-140A/B FOR					NNEL	-DMS	
	EXTENDING CENTER							
	OF GRAVITY RANGE							
NRLAD -	INVESTIGATION OF	LAUNCH CONFIGURAT	QUALIFY A NEW EXT	PRESSURE	0.015 /	RI /	R.L. ROGGE / ROCK	DMS-DR-2122
7TWT -	SPACE SHUTTLE LAU	ION (MODEL 67-OTS	ERNAL TANK NOSE C	FORCE	1.1 -	NRLAD -	WELL INTERNATIONA	DEC., 1974
280 /	NCH VEHICLE EXTER	)	ONFIGURATION		1.2	7-FOOT TRISONI	L	
IA69	NAL TANK NOSE CON					C WIND TUNNEL	D. A. SARVER	
CR-134,424	FIGURATION EFFECT						V. W. SPARKS	
	S (MODEL 67-OTS)						-DMS	
	IN THE ROCKWELL I							
	NTERNATIONAL 7- B							
	Y 7-FOOT TRISONIC							
	WIND TUNNEL (IA6							
	9)							
MSFC -	RESULTS FROM INVE	LAUNCH CONFIGURAT	DETERMINE EFFECT	PRESSURE	0.004 /	R.I. /	W. GARTON / ROCKW	DMS-DR-2123
14TWT -	STIGATIONS IN THE	ION	OF GAS SUPPLY STR	FORCE	0.9 -	MSFC -	ELL INTERNATIONAL	JAN., 1975
588 /	NASA/MSFC TWT ON	LAUNCH CONFIGURAT	UT CONFIGURATIONS		2.99	14-INCH TRISON	V. W. SPARKS	
IA53	A 0.004 SCALE MO	ION WITH STRUTS	ON AFT AND			IC WIND TUNNEL	V. W. SPARKS	
CR-141,504	DEL SPACE SHUTTLE	LAUNCH CONFIGURAT	BASE PRESSURE ENV				-DMS	
	LAUNCH VEHICLE (	ION WITH ORBITER	IRONMENTS OF SPAC					
	MODEL 13P-OTS) TO	/ ET GAS SUPPLY F	E SHUTTLE LAUNCH					
	DETERMINE GAS SU	AIRINGS	VEHICLE					
	PPLY STRUT EFFECT							
	ON MODEL PRESSUR							
	E ENVIRONMENT (IA							
	53)							

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          *                  *                  *                  *          *MODEL      *               *   COGNIZANT      *   BASIC
  TEST    *                  *  CONFIGURATIONS  *       TEST       *  TYPE OF *    SCALE* TESTING        *   TEST DMS       *PUBLICATIONS
   ID     *  REPORT TITLE    *      TESTED      *      PURPOSE     *   TEST   *MACH RANGE* AGENCY         *   PERSONNEL      *OR COMMENTS
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ARC     - *RESULTS OF TESTS *140A/B ORBITER CO*DETERMINE SURFACE*PRESSURE  *1.0     / *ARC     -      *R. H. SPANGLER AN*DMS-DR-2124
3.5HWT  - *OA26 AND IA16 IN *NFIGURATION      *STATIC PRESSURE  *          *5.3  -    *3.5-FOOT HYPER*D D. E. THORNTON/*MAY,     1974
180      /*THE NASA/ARC 3.5-*VEHICLE 4 EXTERNA*DISTRIBUTIONS ON *          *10.3      *SONIC WIND TUN*ROCKWELL INTERNAT*
IA16      *FOOT HYPERSONIC  *L TANK PLUS 140A/*THE ORBITER FUSEL*          *          *NEL           *IONAL            *
OA26      *WIND TUNNEL ON A *B ORBITER        *AGE, FOR BOTH THE*          *          *              *B. W. MYERS      *
CR-134,093*0.015 SCALE MODEL*                 *ASCENT AND ENTRY *          *          *              *-DMS             *
          *(36-OTS) OF THE  *                 *FLIGHT PHASES, E *          *          *              *                 *
          *SPACE CONFIGURATI*                 *O SUPPORT ORBITER*          *          *              *                 *
          *ON 140A/B TO OBTA*                 *VENTING STUDIES  *          *          *              *                 *
          *IN PRESSURES FOR *                 *                 *          *          *              *                 *
          *VENTING ANALYSIS *                 *                 *          *          *              *                 *
          *                 *                 *                 *          *          *              *                 *
LARC    - *HYPERSONIC STABIL*BODY ALONE (-140A*TO DETERMINE HYPE*FORCE     *0.004   / *R/I     /      *DAVID R. STONE /N*DMS-DR-2125
22HT    - *ITY AND CONTROL C*/B)              *RSONIC STABILITY *          *18.1 -    *LARC    -      *ASA-LARC         *SEPT.,   1974
422      /*HARACTERISTICS AN*ORBITER (-140A/B)*AND CONTROL CHARA*          *21.6      *22-INCH HELIUM*P. HAWTHORNE /RI *
OA88      *D REYNOLDS NUMBER*                 *CTERISTICS AND   *          *          *TUNNEL        *J. E. VAUGHN     *
CR-134,409*EFFECTS OF THE RO*                 *REYNOLDS NUMBER E*          *          *              *J. E. VAUGHN     *
          *CKWELL SSV 140 A/*                 *FFECT ON ROCKWELL*          *          *              *-DMS             *
          *B ORBITER CONFIGU*                 *-140 A/B ORBITER *          *          *              *                 *
          *RATION           *                 *                 *          *          *              *                 *
          *                 *                 *                 *          *          *              *                 *
LARC    - *EFFECTS OF REACTI*TASK CANCELLED, D*TEST CANCELLED, D*FORCE     * 0.01   / *LARC    -      *TOM BLACKSTOCK /N*DMS-DR-2126
CFHT    - *ON CONTROL SYSTEM*EC., 1976        *ECEMBER 1976     *          *10.3 -    *CONTINUOUS-FLO*ASA-LARC         *TASK
100      /*JET SIMULATION O *                 *                 *          *10.3      *W HYPERSONIC T*J. E. VAUGHN     *CANCELLED
LA25      *N THE HYPERSONIC *                 *                 *          *          *UNNEL         *J. E. VAUGHN     *DEC.,    1976
          *PERFORMANCE, STAB*                 *                 *          *          *              *-DMS             *
          *ILITY AND CONTROL*                 *                 *          *          *              *                 *
          *CHARACTERISTICS  *                 *                 *          *          *              *                 *
          *OF A .01 SCALE   *                 *                 *          *          *              *                 *
          *ROCKWELL INTERNAT*                 *                 *          *          *              *                 *
          *IONAL 139B ORBITE*                 *                 *          *          *              *                 *
          *R CONFIGURATION  *                 *                 *          *          *              *                 *
          *                 *                 *                 *          *          *              *                 *
LARC    - *REYNOLDS NUMBER E*-139 B ORBITER WI*EFFECT OF REYNOLD*FORCE     * 0.01   / *LARC    /      *PETER T. BERNOT  *DMS-DR-2127
CFHT    - *FFECTS AT MACH NU*TH VARIOUS CONTRO*S NUMBER ON ORBIT*          *10.3 -    *LARC    -      *J. E. VAUGHN     *JULY,    1974
102      /*MBER 10.3 ON AERO*L DEFLECTIONS    *ER AERO. CHARACTE*          *10.3      *CONTINUOUS-FLO*J. E. VAUGHN     *
LA35      *DYNAMIC          *                 *RISTICS          *          *          *W HYPERSONIC T*-DMS             *
TM-X      *CHARACTERISTICS O*                 *                 *          *          *UNNEL         *                 *
 71954    *F .01 SCALE 139-B*                 *                 *          *          *              *                 *
          *ORBITER          *                 *                 *          *          *              *                 *
          *                 *                 *                 *          *          *              *                 *
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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 747 / OA53A CR-134,114	INVESTIGATIONS ON AN 0.030-SCALE S PACE SHUTTLE VEHI CLE CONFIGURATION 140A/B ORBITER MO DEL IN THE AMES R ESEARCH CENTER11- BY11-FOOT SUPER- SONIC WIND TUNNEL (OA53A)	140A/B	THE PRIMARY TEST OBJECTIVES ARE T O OBTAIN CONFIGUR ATION 140 A/B STABILITY AND CON TROL CHARACTERIST ICS, CONTROL SURF ACE EFFECTIVENESS CONTROL SURFACE H INGE MOMENTS, AND VERTICAL TAIL PA NEL LOADS.	FORCE	0.03 / 0.6 - 1.2	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	MARK E. NICHOLS / RI M. M. MANN -DMS	DMS-DR-2128 VOLUME 01 AUGUST, 1974
ARC - 11TWT - 747 / OA53A CR-134,115	INVESTIGATIONS ON AN 0.030-SCALE S PACE SHUTTLE VEHI CLE CONFIGURATION 140A/B ORBITER MO DEL IN THE AMES R ESEARCH CENTER 11 -BY11-FOOT SUPER- SONIC WIND TUNNEL (OA53A)	140A/B	THE PRIMARY TEST OBJECTIVES ARE T O OBTAIN CONFIGUR ATION 140A/B STABILITY AND CON TROL CHARACTERIST ICS, CONTROL SURF ACE EFFECTIVENESS CONTROL SURFACE H INGE MOMENTS,AND VERTICAL TAIL PAN EL LOADS.	FORCE	0.03 / 0.6 - 1.2	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	MARK E. NICHOLS / RI M. M. MANN -DMS	DMS-DR-2128 VOLUME 02 AUGUST, 1974
ARC - 97SWT - 716 / IA14B CR-141,522	AIRLOADS INVESTIG ATION OF AN 0.030 -SCALE MODEL OF T HE SPACE SHUTTLE VEHICLE 140A/B LA UNCH CONFIGURATIO N (MODEL 47-OTS) IN THE ARC 9- BY 7-FOOT UNITARY PL AN WIND TUNNEL FO R MACH 1.55 AND 2 .2 (IA14B)	SSV 140A/B LAUNCH	OBTAIN PRESSURE D ISTRIBUTIONS ON I NTEGRATED LAUNCH VEHICLE. FORCE DA TA WERE TAKEN ALS O.	PRESSURE FORCE	0.030 / 1.55 - 2.2	ARC / ARC - 9-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	R. L. GILLENS / R OCKWELL E. CHEE / ROCKWEL L D. A. SARVER J.T.DAVIET -DMS	DMS-DR-2129 VOLUME 01 MAY, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 97SWT - 716 / IA14B CR-141,523	AIRLOADS INVESTIG ATION OF AN 0.030 -SCALE MODEL OF T HE SPACE SHUTTLE VEHICLE 140A/B LA UNCH CONFIGURATIO N (MODEL 47-OTS) IN THE ARC 9- BY 7-FOOT UNITARY PL AN WIND TUNNEL FO R MACH 1.55 AND 2 .2 (IA14B)	SSV 140A/B LAUNCH	OBTAIN PRESSURE D ISTRIBUTIONS ON I NTEGRATED LAUNCH VEHICLE. FORCE DA TA WERE TAKEN ALS O.	PRESSURE FORCE	0.030 / 1.55 - 2.2	ARC / ARC - 9-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	R. L. GILLINS / R OCKWELL E. CHEE / ROCKWEL L D. A. SARVER J.T.DAVIET -DMS	DMS-DR-2129 VOLUME 02 MAY, 1975
ARC - 11TWT - 716 / OA22A CR-141,529	AIRLOADS INVESTIG ATION OF AN 0.030 -SCALE MODEL OF T HE SPACE SHUTTLE VEHICLE 140A/B OR BITER CONFIGURATI ON (MODEL 47-O) I N THE ARC 11-FOOT UNITARY PLAN WIN D TUNNEL FOR MACH 0.6 AND 0.9 (OA2 2A)	SSV 140A/B ORBITE R	OBTAIN PRESSURE D ISTRIBUTIONS ON O RBITER ALONE. FO RCE DATA WERE ALSO TAKEN.	FORCE PRESSURE	0.030 / 0.6 - 0.9	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	R. L. GILLENS / R OCKWELL F. CHEE / ROCKWEL L D. A. SARVER J.T.DAVIET -DMS	DMS-DR-2130 MAY, 1975
ARC - 97SWT - 716 / OA22B CR-141,530	AIRLOADS INVESTIG ATION OF AN 0.030 -SCALE MODEL OF T HE SPACE SHUTTLE 140A/B ORBITER CO NFIGURATION (MODE L 47-O) IN THE AR C 9- BY 7-FOOT UN ITARY PLAN WIND T UNNEL FOR MACH 1. 55 AND 2.2 (OA22B)	SSV 4 140A/B ORBI TER	OBTAIN PRESSURE D ISTRIBUTIONS ON O RBITER ALONE. FO RCE DATA WERE ALSO TAKEN	PRESSURE FORCE	0.030 / 1.55 - 2.2	ARC / ARC - 9-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	R. L. GILLENS / R OCKWELL F. CHEE / ROCKWEL L D. A. SARVER J.T.DAVIET -DMS	DMS-DR-2131 MAY, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF DYNAMI	-089B W/MOD NOSE	HYPERSONIC DYNAMI	FORCE	0.012 /	LARC /	DELMAR FREEMAN/LA	DMS-DR-2132
HWTB -	C STABILITY TESTS		C STABILITY		8.0 -	AEDC -	RC	MAY, 1975
48A /	CONDUCTED ON A .				8.0	HYPERSONIC WIN	J. E. VAUGHN	
LA42	012 SCALE MODIFIE					D TUNNEL (B)	J.T.DAVIET	
CR-141,535	D 089 B SHUTTLE O						-DMS	
	RBITER IN THE AED							
	C-VKF TUNNEL B AT							
	A MACH NUMBER OF							
	8.0 (LA42)							
LARC -	RESULTS OF TESTS	ORBITER	OBTAIN HYPERSONIC	FORCE	0.010 /	LARC /	D. E. THORNTON/RI	DMS-DR-2133
CFHT -	IN THE NASA/LARC	EXTERNAL TANK	STABILITY DATA O		10.3 -	LARC -	T. BLACKSTOCK / N	JULY, 1974
107 /	31-INCH CFHT ON A		N ORBITER - EXTER		10.3	CONTINUOUS-FLO	ASA/LARC	
IA58	N 0.010-SCALE MOD		NAL TANK WITH AND			W HYPERSONIC T	D. A. SARVER	
CR-134,110	EL (32-OT) OF THE		WITHOUT PLUME AND			UNNEL	V. W. SPARKS	
	SPACE SHUTTLE CO		BEAM				-DMS	
	NFIGURATION 3 TO							
	OBTAIN HYPERSONIC							
	AERODYNAMIC CHAR							
	ACTERISTICS FOR S							
	ECOND STAGE OPERA							
	TION DURING NOMIN							
	AL BOOST AND THE							
	ABORT RTLS MODE							
AEDC -	RESULTS OF INVEST	ORBITER -140A/B C	HYPERSONIC STABIL	FORCE	0.015 /	ROCKWELL/	R.L. GILLINS/ROCK	DMS-DR-2134
HWTB -	IGATIONS (OA77 AN	ONFIG.	ITY AND CONTROL		6.0 1-	AEDC -	WELL	REVISION 01
VA474 /	D OA78) ON AN 0.0		CONTROL SURFACE E		0. .	HYPERSONIC WIN	J. E. VAUGHN	JAN., 1975
HWTC -	15-SCALE 140A/B C		FFECTIVENESS			D TUNNEL (B)	M. M. MOSER JR.	
OA77	ONFIGURATION SPAC		REYNOLDS NUMBER E			HYPERSONIC WIN	-DMS	
OA78	E SHUTTLE VEHICLE		FFECTS			D TUNNEL (C)		
CR-134,429	ORBITER MODEL 49							
	-O IN THE AEDC VK							
	F B AND C WIND TU							
	NNELS							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -		TASK CANCELLED, A	TEST CANCELLED, A	FORCE	10.3 -	NASA /	T. BLACKSTOCK /NA	DMS-DR-2135
CFHT -		UGUST, 1974	UGUST 1974			LARC -	SA-LARC	TASK
99 /						CONTINUOUS-FLO	J. E. VAUGHN	CANCELLED
LA13						W HYPERSONIC T	J. E. VAUGHN	AUGUST, 1974
						UNNEL	-DMS	
ARC -	RESULTS OF HEAT T	B17 C7 M4 F5 W103	TO OBTAIN HEAT RA	HEAT-TRANS	0.0175 /	ARC /	T.F. FOSTER,W.H.	DMS-DR-2136
3.5HWT -	RANSFER TESTS OF	E22 V7 R5	TE DATA FOR THE F		5.3 -	ARC -	DYE/RI	VOLUME 01
178 /	AN 0.0175-SCALE S	T10	IRST AND SECOND S		5.3	3.5-FOOT HYPER	W.K. LOCKMAN,H.L.	MAY, 1975
IH3	PACE SHUTTLE VEHI	B17 C7 M4 F5 W103	TAGE VEHICLES AND			SONIC WIND TUN	SEEGMILLER/NASA	
CR-141,514	CLE MODEL 22 OTS	E22 V7 R5	TO INVESTIGATE I			NEL	AMES	
	IN THE NASA-AMES	B17 C7 M4 F5 W103	NTERFERENCE HEATI				B. J. FRICKEN	
	3.5-FOOT HYPERSON	E22 V7 R5 T10 S8	NG EFFECTS				-DMS	
	IC WIND TUNNEL							
	(IH3)							
ARC -	RESULTS OF HEAT T	B17 C7 M4 F5 W103	TO OBTAIN HEAT RA	HEAT-TRANS	0.0175 /	ARC /	T.F. FOSTER,W.H.	DMS-DR-2136
3.5HWT -	RANSFER TESTS OF	E22 V7 R5	TE DATA FOR THE F		5.3 -	ARC -	DYE/RI	VOLUME 02
178 /	AN 0.0175-SCALE S	T10	IRST AND SECOND S		5.3	3.5-FOOT HYPER	W.K. LOCKMAN,H.L.	MAY, 1975
IH3	PACE SHUTTLE VEHI	B17 C7 M4 F5 W103	TAGE VEHICLES AND			SONIC WIND TUN	SEEGMILLER/NASA	
CR-141,515	CLE MODEL 22 OTS	E22 V7 R5 T10	TO INVESTIGATE I			NEL	AMES	
	IN THE NASA-AMES		NTERFERENCE HEATI				B. J. FRICKEN	
	3.5-FOOT HYPERSON		NG EFFECTS				-DMS	
	IC WIND TUNNEL							
	(IH3)							
ARC -	RESULTS OF HEAT T	B17 C7 M4 F5 W103	TO OBTAIN HEAT RA	HEAT-TRANS	0.0175 /	ARC /	T.F. FOSTER,W.H.	DMS-DR-2136
3.5HWT -	RANSFER TESTS OF	E22 V7 R5	TE DATA FOR THE F		5.3 -	ARC -	DYE/RI	VOLUME 03
178 /	AN 0.0175-SCALE S	T10	IRST AND SECOND S		5.3	3.5-FOOT HYPER	W.K. LOCKMAN,H.L.	MAY, 1975
IH3	PACE SHUTTLE VEHI	B17 C7 M4 F5 W103	TAGE VEHICLES AND			SONIC WIND TUN	SEEGMILLER/NASA	
CR-141,516	CLE MODEL 22 OTS	E22 V7 R5 T10	TO INVESTIGATE I			NEL	AMES	
	IN THE NASA-AMES	B17 C7 M4 F5 W103	NTERFERENCE HEATI				B. J. FRICKEN	
	3.5-FOOT HYPERSON	E22 V7 R5 T10 S8	NG EFFECTS				-DMS	
	IC WIND TUNNEL							
	(IH3)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF HEAT T	B17 C7 M4 F5 W103	TO OBTAIN HEAT RA	HEAT-TRANS	0.0175 /	ARC /	T.F. FOSTER,W.H.	DMS-DR-2136
3.5HWT -	RANSFER TESTS OF	E22 V7 R5	TE DATA FOR THE F		5.3 -	ARC -	DYE/RI	VOLUME 04
178 /	AN 0.0175-SCALE S	T10	IRST AND SECOND S		5.3	3.5-FOOT HYPER	W.K. LOCKMAN,H.L.	MARCH, 1976
IH3	PACE SHUTTLE VEHI	B17 C7 M4 F5 W103	TAGE VEHICLES AND			SONIC WIND TUN	SEEGMILLER/NASA	
CR-141,517	CLE MODEL 22 OTS	E22 V7 R5 T10	TO INVESTIGATE I			NEL	AMES	
	IN THE NASA-AMES	B17 C7 M4 F5 W103	NTERFERENCE HEATI				B. J. FRICKEN	
	3.5-FOOT HYPERSON	E22 V7 R5 T10 S8	NG EFFECTS				-DMS	
	IC WIND TUNNEL							
	(IH3)							
LARC -	RESULTS OF TESTS	CONFIGURATION 3,	DETERMINE EFFECTS	FORCE	0.01 /	NASA/NR /	D.E. THORNTON /RI	DMS-DR-2137
CFHT -	IN THE NASA/LARC	MODEL 32-0)	OF RCS JET FLOW		10.33-	LARC -	D. E. POUCHER	VOLUME 01
108 /	31-INCH CFHT ON A		FIELD ON HYPERSON		10.33	CONTINUOUS-FLO	-DMS	REVISION 01
IA60	0.01-SCALE		IC STABILITY AND			W HYPERSONIC T		SEPT., 1974
CR-134,103	MODEL (32-OT) OF		CONTROL			UNNEL		
	THE SPACE SHUTTLE							
	CONFIGURATION 3							
	TO DETERMINE THE							
	RCS JET FLOWFIELD							
	INTERACTION EFFE							
	CTS ON AERODYNAMI							
	C CHARACTERISTICS							
	(IA60/OA105) VOLU							
	ME 1 OF 2							
LARC -	RESULTS OF TESTS	CONFIGURATION3, M	DETERMINE EFFECTS	FORCE	0.01 /	NASA/NR /	D.E. THORNTON /RI	DMS-DR-2137
CFHT -	IN THE NASA/LARC	ODEL 32-0	OF RCS JET FLOW		10.33-	LARC -	D. E. POUCHER	VOLUME 02
109 /	31-INCH CFHT ON A		FIELD ON HYPERSON		10.33	CONTINUOUS-FLO	-DMS	JULY, 1974
OA105	0.01-SCALE		IC STABILITY AND			W HYPERSONIC T		
CR-134,106	MODEL (32-OT) OF		CONTROL			UNNEL		
	THE SPACE SHUTTLE							
	CONFIGURATION 3							
	TO DETERMINE THE							
	RCS JET FLOWFIELD							
	INTERACTION EFFE							
	CTS ON AERODYNAMI							
	C CHARACTERISTICS							
	(IA60/OA105)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	AEROHEATING(PRESS	0.010-SCALE VERSI	TO OBTAIN PRESSUR	PRESSURE	0.010 /	LARC /	B. SPENCER,JR./LA	DMS-DR-2138
UPWT -	URE) CHARACTERIST	ON OF THE VEHICLE	E MEASUREMENTS ON		2.36 -	LARC -	RC, R.B. KINGSLAN	VOLUME 01
1059 /	ICS OF A 0.010-SC	3 SPACE SHUTTLE	THE LAUNCH CONFI		4.6	UNITARY PLAN W	D/RI	MAY, 1976
IH4	ALE VERSION OF TH	CONFIGURATION	GURATION,ORBITER			IND TUNNEL	R. H. LINDAHL	
CR-144,608	E VEHICLE 3 SPACE		ALONE,EXTERNAL TA				-DMS	
	SHUTTLE CONFIGUR		NK ALONE,AND SOLI					
	ATION(26-OTS) IN		D ROCKET BOOSTER					
	THE LANGLEY RESEA		ALONE; ALSO TO OB					
	RCH CENTER 4-FOOT		TAIN HEAT TRANSFE					
	WIND TUNNEL(IH4)		R DATA					
LARC -	AEROHEATING(PRESS	0.010-SCALE VERSI	TO OBTAIN PRESSUR	PRESSURE	0.010 /	LARC /	B. SPENCER,JR./LA	DMS-DR-2138
UPWT -	URE) CHARACTERIST	ON OF THE VEHICLE	E MEASUREMENTS ON		2.36 -	LARC -	RC, R.B. KINGSLAN	VOLUME 02
1059 /	ICS OF A 0.010-SC	3 SPACE SHUTTLE	THE LAUNCH CONFI		4.6	UNITARY PLAN W	D/RI	JULY, 1976
IH4	ALE VERSION OF TH	CONFIGURATION	GURATION,ORBITER			IND TUNNEL	R. H. LINDAHL	
CR-144,609	E VEHICLE 3 SPACE		ALONE,EXTERNAL TA				-DMS	
	SHUTTLE CONFIGUR		NK ALONE,AND SOLI					
	ATION(26-OTS) IN		D ROCKET BOOSTER					
	THE LANGLEY RESEA		ALONE; ALSO TO OB					
	RCH CENTER 4-FOOT		TAIN HEAT TRANSFE					
	WIND TUNNEL(IH4)		R DATA					
LARC -	AEROHEATING(PRESS	0.010-SCALE VERSI	TO OBTAIN PRESSUR	PRESSURE	0.010 /	LARC /	B. SPENCER,JR./LA	DMS-DR-2138
UPWT -	URE) CHARACTERIST	ON OF THE VEHICLE	E MEASUREMENTS ON		2.36 -	LARC -	RC, R.B. KINGSLAN	VOLUME 03
1059 /	ICS OF A 0.010-SC	3 SPACE SHUTTLE	THE LAUNCH CONFI		4.6	UNITARY PLAN W	D/RI	JULY, 1976
IH4	ALE VERSION OF TH	CONFIGURATION	GURATION,ORBITER			IND TUNNEL	R. H. LINDAHL	
CR-144,610	E VEHICLE 3 SPACE		ALONE,EXTERNAL TA				-DMS	
	SHUTTLE CONFIGUR		NK ALONE,AND SOLI					
	ATION(26-OTS) IN		D ROCKET BOOSTER					
	THE LANGLEY RESEA		ALONE; ALSO TO OB					
	RCH CENTER 4-FOOT		TAIN HEAT TRANSFE					
	WIND TUNNEL(IH4)		R DATA					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - UPWT - 1059 / IH4 CR-144,611	AEROHEATING(PRESSURE) CHARACTERISTICS OF A 0.010-SCALE VERSION OF THE VEHICLE 3 SPACE SHUTTLE CONFIGURATION(26-OTS) IN THE LANGLEY RESEARCH CENTER 4-FOOT WIND TUNNEL(IH4)	0.010-SCALE VERSION OF THE VEHICLE 3 SPACE SHUTTLE CONFIGURATION	TO OBTAIN PRESSURE MEASUREMENTS ON THE LAUNCH CONFIGURATION,ORBITER ALONE,EXTERNAL TANK ALONE,AND SOLID ROCKET BOOSTER ALONE; ALSO TO OBTAIN HEAT TRANSFER DATA	PRESSURE	0.010 / 2.36 - 4.6	LARC / LARC - UNITARY PLAN WIND TUNNEL	B. SPENCER,JR./LARC, R.B. KINGSLAN D/RI R. H. LINDAHL -DMS	DMS-DR-2138 VOLUME 04 JULY, 1976
NRLAD - LSWT - 724 / OA118 CR-134,407	EFFECT OF ELEVON GAP CONFIGURATIONS ON THE LONGITUDINAL AND LATERAL/DIRECTIONAL STABILITY AND CONTROL EFFECTIVENESS OF THE 43-0 SPACE SHUTTLE ORBITER (IA60/OA105)	VL70-000140A/B, MODEL 43-0	ESTABLISH EFFECT OF NEW ELEVON GAP CONFIG. ON LONGITUDINAL AND LAT/ DIRECT STABILITY AND CONTROL EFFECTIVENESS, MODEL 43-0	FORCE	0.0405 / 0.20 - 0.26	RI / NRLAD - LOW SPEED WIND TUNNEL	TERRANCE HUGHES / RI D. E. POUCHER -DMS	DMS-DR-2139 OCT., 1974
NRLAD - LSWT - 719 / OA37 CR-134,408	INVESTIGATION OF SPACE SHUTTLE ORBITER SUBSONIC STABILITY AND CONTROL CHARACTERISTICS AND DETERMINATION OF CONTROL SURFACE HINGE MOMENTS IN THE ROCKWELL INTERNATIONAL LOW SPEED WIND TUNNEL (OA37)	140 A/B SPACE SHUTTLE ORBITER	ESTABLISH BASIC LONGITUDINAL AND LATERAL-DIRECTIONAL STABILITY AND CONTROL CHARACTERISTICS FOR THE BASIC CONFIGURATION PLUS CONTROL SURFACE HINGE MOMENTS	FORCE	0.030 / 0.26 - 0.26	ROCKWELL/ NRLAD - LOW SPEED WIND TUNNEL	TERRANCE HUGHES/ROCKWELL INTERNATIONAL W.M. ZEMAN/ROCKWELL INTERNATIONAL D. A. SARVER G. G. MCDONALD -DMS	DMS-DR-2140 SEPT., 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTB - VA354 / OH11 CR-141,538	RESULTS OF TESTS OF A ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER (-139 CONFIGURATION) 0.0175-SCALE MODEL (NO.29-0) IN THE AEDC TUNNEL. F TO DETERMINE HYPERSONIC HEATING EFFECTS (OH11)	MODEL NO. 29-0/VL70-000139	TO DETERMINE MACH NUMBER EFFECTS AND TO OBTAIN OVERALL HEATING RATE DATA AT MACH NUMBERS FROM 10.5 TO 16	HEAT-TRANS	0.0175 / 10.5 - 14	AEDC / AEDC - HYPERSONIC WIND TUNNEL (B)	M. QUAN/RI A. BOUDREAUX/ARO W. B. MEINDERS -DMS	DMS-DR-2141 JUNE, 1975
MSFC - 14TWT - 587 / FA4 CR-134,402	DETERMINATION OF AERODYNAMIC STABILITY AND DRAG OF THE TITAN SRM DURING ENTRY	TITAN III C SRM	STATIC STABILITY AND DRAG ON TITAN SRM AT HIGH ANGLES OF ATTACK	FORCE	.00736 / 0.6 - 4.96	NASA / MSFC - 14-INCH TRISONIC WIND TUNNEL	PAUL RAMSEY/ NASA MSFC V. W. SPARKS -DMS	DMS-DR-2142 AUGUST, 1974
AEDC - SWTA - VA422 / IA61A CR-144,587	AERODYNAMIC RESULTS OF WIND TUNNEL TESTS ON AN 0.010-SCALE MODEL (32-OTS) SPACE SHUTTLE INTEGRATED VEHICLE IN THE AEDC VKF 40-INCH SUPERSONIC WIND TUNNEL	INTEGRATED VEHICLE- CONFIGURATION 3 LINES	PROXIMITY EFFECTS W AND W/O SEPARATION ROCKETS FIRING	FORCE	0.01 / 4.5 - 4.5	AEDC / AEDC - SUPERSONIC WIND TUNNEL (A)	J.DAILEDA/ RI J. E. VAUGHN J. E. VAUGHN -DMS	DMS-DR-2143 FEB., 1976
NRLAD - 7TWT - 281 / IA68 CR-134,427	AN INVESTIGATION OF THE SUPPORT INTERFERENCE EFFECTS OF THE SSV MODEL 13P-OTS IN THE TRANSONIC AND SUPERSONIC FLOW REGIMES	LAUNCH CONFIGURATION	DETERMINE TRANSONIC AND SUPERSONIC CHARACTERISTICS OF MODEL 13P-OTS SUPPORT INTERFERENCE EFFECTS	PRESSURE FORCE	0.004 / 0.9 - 2.0	R.I. / NRLAD - 7-FOOT TRISONIC WIND TUNNEL	R.L. ROGGE / ROCKWELL INTERNATIONAL D. A. SARVER V. W. SPARKS -DMS	DMS-DR-2144 NOV., 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - 14TWT - 583 / TA1F CR-134,420	AN INVESTIGATICN TO DETERMINE THE STATIC STABILITY DURING RE-ENTRY OF THE 0.003-SCAL E MCR 0200 BASELI NE SPACE SHUTTLE EXTERNAL TANK MODEL	EXTERNAL TANK WIT H PROTUBERANCES EXTERNAL TANK WIT HOUT PROTUBERANCE S	OBTAIN FORCE AND MOMENT STATIC STA BILITY DATA FOR T HE EXTERNAL TANK AT RE-ENTRY CONDI TIONS	FORCE	0.003 / 1.96 - 4.96	MSFC / NC / MSFC - 14-INCH TRISON IC WIND TUNNEL	M.K. ROBERTSON / NORTHROP SERVICES INC. P.E. RAMSEY / NAS A-MSFC V. W. SPARKS V. W. SPARKS -DMS	DMS-DR-2145 OCT., 1974
LARC - 26TBT - 547 / IS4 CR-134,092	FLUTTER TESTS (IS 4) OF THE 0.0125- SCALE SHUTTLE REF LECTION PLANE MOD EL 30-OTS IN THE LANGLEY RESEARCH CENTER 26-INCH TR ANSONIC BLOWDOWN TUNNEL TEST NO. 5 47	30-OTS	TO ISOLATE THE EF FECTS OF INTERFER ING AERODYNAMICS GENERATED BY THE ORBITER, TANK, AN D SRB ON THE WING FLUTTER BOUNDARY	STRUCT-DYN	0.0125 / 0.6 - 1.45	LARC / LARC - 26-INCH TRANSO NIC BLOWDOWN T UNNEL	M.A. KOTCH /RI - R.W. HESS /LARC D. A. SARVER M. M. MOSER JR. -DMS	DMS-DR-2146 APRIL, 1974
LARC - UPWT - 1057 / OA2OC CR-134,097	RESULTS OF INVEST IGATIONS (OA2OC) ON AN 0.015-SCALE CONFIGURATION 140A/B SPACE SHUT TLE VEHICLE ORBIT ER MODEL (49-O) I N THE NASA/LANGLEY RESE ARCH CENTER UNITA RY PLAN WIND TUNN EL	140A/B SSV ORBITE R	DEFINE ADDITIONAL LONGITUDINAL STA BILITY AND CONTRO L CHARACTERISTICS FOR THE UPDATED S SV CONFIGURATION NOT OBTAINED IN O A2OA TESTS.	FORCE	0.015 / 2.5 - 4.6	LARC / LARC - UNITARY PLAN W IND TUNNEL	J.H.CAMPBELL,II/R OCKWELL INTERNATI ONAL B.SPENCER / NASA LARC M. M. MANN -DMS	DMS-DR-2147 MAY, 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 3.5HWT - 185 / IH20 CR-134,440	HYPERSONIC AEROHEATING TEST OF SPACE SHUTTLE VEHICLE CONFIGURATION 3 (MODEL 22-OTS) IN THE NASA-AMES 3.5-FOOT HYPERSONIC WIND TUNNEL(IH-20)	22-OTS	TEMPERATURE MEASUREMENTS	HEAT-TRANS	0.0175 / 5.3 - 7.3	ARC / ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	R. B. KINGSLAND,ROCKWELL W. K. LOCKMAN,AMES B. J. FRICKEN-DMS	DMS-DR-2148 VOLUME 01 JUNE, 1975
ARC - 3.5HWT - 185 / IH20 CR-134,441	HYPERSONIC AEROHEATING TEST OF SPACE SHUTTLE VEHICLE CONFIGURATION 3 (MODEL 22-OTS) IN THE NASA-AMES 3.5-FOOT HYPERSONIC WIND TUNNEL(IH-20)	22-OTS	TEMPERATURE MEASUREMENTS	HEAT-TRANS	0.0175 / 5.3 - 7.3	ARC / ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	R. B. KINGSLAND,ROCKWELL W. K. LOCKMAN,AMES B. J. FRICKEN-DMS	DMS-DR-2148 VOLUME 02 JUNE, 1975
LARC - CFHT - 110 / OA90 CR-141,805	RESULTS OF INVESTIGATIONS ON A 0.010-SCALE 140A/B CONFIGURATION SPACE SHUTTLE VEHICLE ORBITER MODEL 72-O IN THE NASA/LANGLEY RESEARCH CENTER CONTINUOUS FLOW HYPERSONIC TUNNEL (OA90)	CONFIG. 4 (-140A/B) MODEL 72-O	HYPERSONIC STABILITY AND CONTROL	FORCE	0.01 / 10.3 -	ROCKWELL/ LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL	P.J. HAWTHORNE /ROCKWELL P.T. BERNOT /NASA-LARC J. E. VAUGHN J. E. VAUGHN-DMS	DMS-DR-2149 AUGUST, 1975
LARC - UPWT - 1087 / SA25F CR-141,511	AN INVESTIGATION OF HIGH MACH NUMBER STATIC STABILITY CHARACTERISTICS FOR A LARGE SCALE SOLID ROCKET BOOSTER	SRB	OBTAIN HIGH MACH NUMBER STATIC STABILITY DATA ON A LARGE SCALE SRB	FORCE	0.02112 / 2.3 - 4.63	MSFC / NSI / LARC - UNITARY PLAN WIND TUNNEL	J. JOHNSON / NASA-LARC W. F. BRADDOCK/NSI V. W. SPARKS D.B. WATSON-DMS	DMS-DR-2150 MARCH, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AERODY	THERMOCOUPLE MODE	TO OBTAIN HEAT TR	HEAT-TRANS	7.3 -	ARC /	W. H. DYE/RI	DMS-DR-2151
3.5HWT -	NAMIC HEAT TRANSF	L OF SSV ORB. 139	ANSFER DATA UNDER		7.3	ARC -	W. K. LOCKMAN/ARC	NOV., 1975
183 /	ER TESTS OF A O.		SIMULATED ENTRY			3.5-FOOT HYPER	D. A. SARVER	
OH6	0175-SCALE MODEL		CONDITIONS			SONIC WIND TUN	M. M. MOSER JR.	
CR-141,815	OF THE ROCKWELL I					NEL	-DMS	
	NTERNATIONAL SPAC							
	E SHUTTLE ORBITER							
	139 (MODEL NUMBE							
	R 22-O) IN THE NA							
	SA/AMES 3.5-FOOT							
	HYPERSONIC WIND T							
	UNNEL (TEST OH6)							
AEDC -	RESULTS OF AN INV	VEHICLE 4 ORBITER	HYPERSONIC STABIL	FORCE	.01 /	AEDC -	ED ALLEN/ ROCKWEL	DMS-DR-2152
HWTF -	ESTIGATION OF HY	(MODEL 51-0)	ITY AND CONTROL		16 -	HYPERVELOCITY	L, HUNTSVILLE OFF	REVISION 01
VA489 /	PERSONIC VISCOUS				20	WIND TUNNEL (F	ICE	JAN., 1976
0A81	INTERACTION EFFEC					)	J. E. VAUGHN	
CR-134,423	TS ON AN 0.01 SCA						J. E. VAUGHN	
	LE SPACE SHUTTLE						-DMS	
	ORBITER S1-O MODE							
	L IN THE AEDC-VKF							
	HYPERVELOCITY WI							
	ND TUNNEL							
LARC -	INVESTIGATION OF	ORBITER ALONE	TO OBTAIN HEAT TR	HEAT-TRANS	0.0175 /	R.I. /	R.B. KINGSLAND /	DMS-DR-2153
UPWT -	THE HEAT TRANSFER	TANK ALONE	ANSFER RATE DATA		2.36 -	LARC -	ROCKWELL INTERNAT	OCT., 1977
1071 /	EFFECTS ON THE 2	SRB ALONE	ON THE ORBITER, E		3.7	UNITARY PLAN W	IONAL	
IH1	2-OTS 0.0175-		XTERNAL TANK,			IND TUNNEL	V. W. SPARKS	
CR-151,377	SCALE THIN SKIN T		AND SOLID ROCKET				M. M. MOSER JR.	
	HERMOCOUPLE MODEL		BOOSTERS				-DMS	
	(VEHICLE 3 CONFI							
	GURATION)							

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AEDC - HWTB - VA352 / OH4A CR-134,437	HEAT TRANSFER TESTS OF A 0.0175-SCALE SPACE SHUTTLE ORBITER MODEL (29-0) TO DETERMINE THE EFFECT OF SURFACE TEMPERATURE ON BOUNDARY LAYER TRANSITION AT MACH 8.0 IN THE AEDC VKF TUNNEL B (TEST OH4A)	MODEL 29-0	TO DETERMINE EFFECT OF WALL TEMPERATURE ON THE POINT OF BOUNDARY LAYER TRANSITION	FORCE	8 - 8	AEDC / AEDC - HYPERSONIC WIND TUNNEL (B)	M. QUAN AND J. W. FOUST/RI W. R. MARTINDALE/ARO B. W. MYERS-DMS	DMS-DR-2154 JAN., 1975
NRLAD - LSWT - 721 / OA110 CR-134,406	STABILITY AND CONTROL CHARACTERISTICS FOR THE INNER MOLD LINE CONFIGURATION OF SPACE SHUTTLE ORBITER(OA110)	B61C11F12M51W124E40	ESTABLISH BASIC LONGITUDINAL AND LATERAL-DIRECTIONAL STABILITY AND CONTROL FOR THE IML ORBITER	FORCE	0.0405 / 0.12 - 0.20	NRLAD / NRLAD - LOW SPEED WIND TUNNEL	TERRANCE HUGHES AND ROBERT ROGGE /RI D. E. POUCHER-DMS	DMS-DR-2155 SEPT., 1974
AEDC - HWTB - VA422 / IA17A CR-141,797	RESULTS OF AN EXTERNAL TANK SEPARATION TEST IN THE AEDC/VKF TUNNEL B ON AN 0.010 SCALE REPLICA OF THE SPACE SHUTTLE VEHICLE (MODEL 52-0T) IA17A	ORBITER WITH ET SEPARATING ISOLATED ORBITER ISOLATED ET	DETERMINE EFFECTS OF EXTERNAL TANK SEPARATING FROM ORBITER	FORCE	0.01 / 5.93 - 7.98	ROCKWELL/AEDC - HYPERSONIC WIND TUNNEL (B)	R.H. SPANGLER/ ROCKWELL J.J. DAILEDA / ROCKWELL J. E. VAUGHN J.T.DAVIET-DMS	DMS-DR-2156 VOLUME 01 AUGUST, 1975
AEDC - HWTB - VA422 / IA17A CR-141,798	RESULTS OF AN EXTERNAL TANK SEPARATING TEST IN THE AEDC/VKF TUNNEL B ON AN 0.010 SCALE REPLICA OF THE SPACE SHUTTLE VEHICLE (MODEL 52-0T) IA17A	ORBITER WITH ET SEPARATING ISOLATED ORBITER ISOLATED ET	DETERMINE EFFECTS OF EXTERNAL TANK SEPARATING FROM ORBITER	FORCE	0.01 / 5.93 - 7.98	ROCKWELL/AEDC - HYPERSONIC WIND TUNNEL (B)	R.H. SPANGLER/ ROCKWELL J.J. DAILEDA / ROCKWELL J. E. VAUGHN J.T.DAVIET-DMS	DMS-DR-2156 VOLUME 02 AUGUST, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF AN EXT	ORBITER WITH ET S	DETERMINE EFFECTS	FORCE	0.01 /	ROCKWELL/	R.H. SPANGLER/ RO	DMS-DR-2156
HWTB -	ERNAL TANK SEPARA	EPARATING	OF EXTERNAL TANK		5.93 -	AEDC -	CKWELL	VOLUME 03
VA422 /	TION TEST IN THE	ISOLATED ORBITER	SEPARATING FROM		7.98	HYPERSONIC WIN	J.J. DAILEDA / RO	AUGUST, 1975
IA17A	AEDC/VKF TUNNEL B	ISOLATED ET	ORBITER			D TUNNEL (B)	CKWELL	
CR-141,799	ON AN 0.010 SCALE						J. E. VAUGHN	
	REPLICA OF THE S						J.T.DAVIET	
	PACE SHUTTLE VEHI						-DMS	
	CLE (MODEL 52-OT)							
	IA17A							
LARC -	HEAT TRANSFER TES	ORBITER WITH EXTE	ORBITER/EXTERNAL	HEAT-TRANS	19.8 -	NASA /	D.G. WALSTAD/R.I.	DMS-DR-2157
HNT -	TS OF AN 0.006-SC	RNAL TANK	TANK ASCENT HEATI		19.8	LARC -	D. A. SARVER	DEC., 1975
28 /	ALE THIN SKIN SPA	ORBITER	NG			HYPERSONIC NIT	W. B. MEINDERS	
IH19	CE SHUTTLE MODEL	EXTERNAL TANK				ROGEN TUNNEL	-DMS	
CR-141,822	(50-O, 41-T) IN							
	THE LANGLEY RESE							
	ARCH CENTER NITRO							
	GEN TUNNEL AT MAC							
	H 19							
MSFC -	FLOW VISUALIZATIO	O13, T9, S7	TO OBTAIN FLOW VI	STRUCT-DYN	.6 -	ROCKWELL/	P. J. HAWTHORNE/R	DMS-DR-2158
14TWT -	N TESTS OF A 0.00		SUALIZATION PHOTO		3.48	MSFC -	I	OCT., 1976
582 /	4-SCALE SPACE SHU		S TO HELP INTERPR			14-INCH TRISON	G. STREBY/NSI	
IS6A	TTLE VEHICLE 2A M		ET IS1 AERO-NOISE			IC WIND TUNNEL	D. A. SARVER	
CR-147,640	ODEL (NO. 13-OTS)		DATA				M. M. MOSER JR.	
	IN THE MSFC 14-I						-DMS	
	NCH TRISONIC WIND							
	TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 66SWT - 709 / OA59 CR-134,410	AERODYNAMIC RESUL TS OF SUPPORT SYS TEM EFFECTS TESTS CONDUCTED IN NASA/ARC 6-BY 6FO OT SUPERSONIC WIN D TUNNEL USING A 0.015-SCALE MODEL OF THE CONF IGURATION 140A/B SSV ORBITER (OA59)	140 A/B SSV ORBIT ER	DETERMINE EFFECTS OF STING BASE MO UNTING WITH AND W ITHOUT MPS NOZZLE S	FORCE	0.015 / 0.6 - 2.0	ROCKWELL/ ARC - 6-FOOT BY 6-FO OT SUPERSONIC WIND TUNNEL	JOHN H. CAMPBELL, RI,AND WILLARD R. EMBURY, RI D. A. SARVER G. G. MCDONALD -DMS	DMS-DR-2159 VOLUME 01 OCT., 1974
ARC - 66SWT - 709 / OA59 CR-134,412	AERODYNAMIC RESUL TS OF SUPPORT SYS TEM EFFECTS TESTS CONDUCTED IN NASA/ARC 6-BY-6 F OOT SUPERSONIC WI ND TUNNEL USING A 0.015 -SCALE MODEL OF THE CONF IGURATION 140A/B SSV ORBITER (OA59)	140 A/B SSV ORBIT ER	DETERMINE EFFECTS OF STING BASE MO UNTING WITH AND W ITHOUT MPS NOZZLE S	FORCE	0.015 / 0.6 - 2.0	ROCKWELL/ ARC - 6-FOOT BY 6-FO OT SUPERSONIC WIND TUNNEL	JOHN H. CAMPBELL, RI, AND WILLARD R. EMBURY, RI D. A. SARVER G. G. MCDONALD -DMS	DMS-DR-2159 VOLUME 02 OCT., 1974
ARC - 3.5HWT - 191 / IA18 CR-134,413	WIND TUNNEL TESTS OF THE 0.010-SCA LE SPACE SHUTTLE INTEGRATED VEHICL E IN THE NASA/AME S 3.5 FOOT HYPERS ONIC WIND TUNNEL (IA18)	52-OT ET ALONE	TO EVALUATE BASIC HYPERSONIC STABI LITY CHAR. OF ORB ITER ATTACHED RIG	FORCE	0.010 / 5.3 - 10.3	ARC / ARC - 3.5-FOOT HYPER SONIC WIND TUN NEL	V. ESPARZA, E. CH EE/ROCKWELL INTER NATIONAL	DMS-DR-2160 MARCH, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LERC -	AERODYNAMIC CHARA	SRB-BODY ALONE	STATIC STABILITY	FORCE	0.0211 /	LERC /	DUANE RADFORD/NSI	DMS-DR-2161
10SWT -	CTERISTICS OF MSF	SRB-BODY WITH PRO	AND CONTROL DURIN		2.0 -	LERC -	PAUL RAMSEY/NASA-	FEB., 1975
035 /	C MODEL 454 OF TH	TURBANCES	G TUMBLING RE-ENT		2.7	10 BY 10-FOOT	MSFC	
SA6F	E 142 INCH SOLID		RY			SUPERSONIC WIN	J. E. VAUGHN	
CR-134,422	ROCKET BOOSTER TE					D TUNNEL	J. E. VAUGHN	
	STED IN THE LERC						-DMS	
	10-FOOT SWT AT MA							
	CH NUMBERS OF 2.0							
	AND 2.7 (SA6F)							
ARC -	RESULTS OF INVEST	140 A/B, VEHICLE	TO VERIFY SUPERSO	FORCE	0.015 /	ARC /	M. D. MILAM, R. L	DMS-DR-2162
3.5HWT -	IGATIONS ON AN O.	4	NIC STABILITY AND		5.3 -	ARC -	. GILLINS/ROCKWEL	NOV., 1974
187 /	015-SCALE 140A/B		CONTROL CHAR. OF		10.3	3.5-FOOT HYPER	L INTERNATIONAL	
OA36	CONFIGURATION OF		VEHICLE 4, ANALY			SONIC WIND TUN	B. J. FRICKEN	
CR-134,430	THE ROCKWELL INTE		ZE AERODYNAMIC PR			NEL	-DMS	
	RNATIONAL SPACE S		OBLEM AREAS, CONT					
	HUTTLE ORBITER IN		ROL SURFACE EFFEC					
	THE NASA/AMES RE		TIVENESS, AND REY					
	SEARCH CENTER 3.5		NOLDS NUMBER EFFE					
	-FOOT HYPERSONIC		CT INCLUDING SEPA					
	WIND TUNNEL (OA36		RATION AND INTERF					
	)		ERENCES					
LARC -	AERODYNAMIC RESUL	140A/B	THE PRIMARY OBJEC	FORCE	0.015 /	LARC /	J.H. CAMPBELL / R	DMS-DR-2163
UPWT -	TS OF A SUPPORT S		TIVE OF THIS TEST		2.5 -	LARC -	I	SEPT., 1974
1097 /	YSTEM INTERFERENC		WAS TO DETERMINE		4.63	UNITARY PLAN W	W.R. EMBURY / R	
OA20B	E EFFECTS TEST CO		THE EXTENT			IND TUNNEL	I	
CR-134,403	NDUCTED AT NASA/L		AERODYNAMIC SIMUL				M. M. MANN	
	ARC UPWT USING AN		ATION IS AFFECTED				-DMS	
	0.015-SCALE MODE		BY BASE MOUNTING					
	L OF THE CONFIGUR		AN ORBITER MODEL					
	ATION 140A/B SSV		WITHOUT MPS NOZZL					
	ORBITER (OA20B)		ES, ON A STRAIGHT					
			STING.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN -	HEAT TRANSFER TES	MODEL 37-OT (CONF	TO DETERMINE ASCE	HEAT-TRANS	0.01 /	ROCKWELL/	ED HEUSTIS/CALSPA	DMS-DR-2164
48HST -	TS ON A 0.01-SCAL	IG. 3 ORB AND ET)	NT AND ENTRY HEAT		6.95 -	CALSPAN -	N CORP.	VOLUME 01
173-100 /	E ROCKWELL CONFIG	CONFIGURATION 3 O	TRANSFER RATES O		19.5	48-INCH HYPERS	M. KOTCH/ R. I.	JAN., 1976
OH12	URATION 3 SPACE S	RBITER	VER A RANGE OF MA			ONIC SHOCK TUN	D. A. SARVER	
IH21	HUTTLE ORBITER AN	EXTERNAL TANK	CH NO. AND REYNOL			NEL	W. B. MEINDERS	
CR-141,828	D TANK (37-OT)IN		DS NO. OF PARTICU				-DMS	
	THE CALSPAN 48-IN		LAR INTEREST WAS					
	CH HYPERSONIC SH		ORBITER WING LEAD					
	OCK TUNNEL (OH12/		ING EDGE HEATING					
	IH21)		DURING ENTRY					
CALSPAN -	HEAT TRANSFER TES	MODEL 37-OT (CONF	TO DETERMINE ASCE	HEAT-TRANS	6.95 -	ROCKWELL/	ED HEUSTIS/CALSPA	DMS-DR-2164
48HST -	TS ON A 0.01-SCAL	IG. 3 ORB AND ET)	NT AND ENTRY HEAT		19.5	CALSPAN -	N CORP.	VOLUME 02
173-100 /	E ROCKWELL CONFIG	CONFIGURATION 3 O	TRANSFER RATES O			48-INCH HYPERS	M. KOTCH/ R. I.	JAN., 1976
OH12	URATION 3 SPACE S	RBITER	VER A RANGE OF MA			ONIC SHOCK TUN	W. B. MEINDERS	
IH21	HUTTLE ORBITER AN	EXTERNAL TANK	CH NO. AND REYNOL			NEL	-DMS	
CR-141,829	D TANK (37-OT)IN		DS NO. OF PARTICU					
	THE CALSPAN 48-IN		LAR INTEREST WAS					
	CH HYPERSONIC SH		ORBITER WING LEAD					
	OCK TUNNEL (OH12/		ING EDGE HEATING					
	IH21)		DURING ENTRY					
CALSPAN -	HEAT TRANSFER TES	MODEL 37-OT (CONF	TO DETERMINE ASCE	HEAT-TRANS	0.01 /	ROCKWELL/	ED HEUSTIS/CALSPA	DMS-DR-2164
48HST -	TS ON A 0.01-SCAL	IG. 3 ORB AND ET)	NT AND ENTRY HEAT		6.95 -	CALSPAN -	N CORP.	VOLUME 03
173-100 /	E ROCKWELL CONFIG	CONFIGURATION 3 O	TRANSFER RATES O		19.5	48-INCH HYPERS	M. KOTCH/ R. I.	DEC., 1975
OH12	URATION 3 SPACE S	RBITER	VER A RANGE OF MA			ONIC SHOCK TUN	D. A. SARVER	
IH21	HUTTLE ORBITER AN	EXTERNAL TANK	CH NO. AND REYNOL			NEL	W. B. MEINDERS	
CR-141,830	D TANK (37-OT)IN		DS NO. OF PARTICU				-DMS	
	THE CALSPAN 48-IN		LAR INTEREST WAS					
	CH HYPERSONIC SH		ORBITER WING LEAD					
	OCK TUNNEL (OH12/		ING EDGE HEATING					
	IH21)		DURING ENTRY					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - 14TWT - 596 / TA2F CR-141,823	RESULTS OF AN INV ESTIGATION OF AN 0.003-SCALE SPACE SHUTTLE EXTERNAL TANK (MSFC MODEL 460) IN THE NASA/ MSFC 14 X 14-INCH TRISONIC WIND TU NNEL TO DETERMINE STATIC PRESSURE DISTRIBUTIONS DU RING REENTRY (TA2 F)	EXTERNAL TANK WIT H AND WITHOUT PRO TUBERANCES,0.003 SCALE	DETERMINE STATIC PRESSURE DISTRIBU TIONS ON MODIFIED MCR 0200 EXTERNAL TANK	PRESSURE	0.003 / 1.96 - 4.96	MSFC / MSFC - 14-INCH TRISON IC WIND TUNNEL	P.E. RAMSEY / MSF C G.W. WINKLER / NS I V. W. SPARKS D. E. POUCHER -DMS	DMS-DR-2165 VOLUME 01 DEC., 1975
MSFC - 14TWT - 596 / TA2F CR-141,824	RESULTS OF AN INV ESTIGATION OF AN 0.003-SCALE SPACE SHUTTLE EXTERNAL TANK (MSFC MODEL 460) IN THE NASA/ MSFC 14 X 14-INCH TRISONIC WIND TU NNEL TO DETERMINE STATIC PRESSURE DISTRIBUTIONS DU RING REENTRY (TA2 F)	EXTERNAL TANK WIT H AND WITHOUT PRO TUBERANCES,0.003 SCALE	DETERMINE STATIC PRESSURE DISTRIBU TIONS ON MODIFIED MCR 0200 EXTERNAL TANK	PRESSURE	0.003 / 1.96 - 4.96	MSFC / MSFC - 14-INCH TRISON IC WIND TUNNEL	P.E. RAMSEY / MSF C G.W. WINKLER / NS I V. W. SPARKS D. E. POUCHER -DMS	DMS-DR-2165 VOLUME 02 DEC., 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - 14TWT - 596 / TA2F CR-141,825	RESULTS OF AN INVESTIGATION OF AN 0.003-SCALE SPACE SHUTTLE EXTERNAL TANK (MSFC MODEL 460) IN THE NASA/MSFC 14 X 14-INCH TRISONIC WIND TUNNEL TO DETERMINE STATIC PRESSURE DISTRIBUTIONS DURING REENTRY (TA2F)	EXTERNAL TANK WITH AND WITHOUT PROTUBERANCES,0.003 SCALE	DETERMINE STATIC PRESSURE DISTRIBUTIONS ON MODIFIED MCR 0200 EXTERNAL TANK	PRESSURE	0.003 / 1.96 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P.E. RAMSEY / MSFC G.W. WINKLER / NSI V. W. SPARKS D. E. POUCHER -DMS	DMS-DR-2165 VOLUME 03 DEC., 1975
MSFC - 14TWT - 596 / TA2F CR-141,826	RESULTS OF AN INVESTIGATION OF AN 0.003-SCALE SPACE SHUTTLE EXTERNAL TANK (MSFC MODEL 460) IN THE NASA/MSFC 14 X 14-INCH TRISONIC WIND TUNNEL TO DETERMINE STATIC PRESSURE DISTRIBUTIONS DURING REENTRY (TA2F)	EXTERNAL TANK WITH AND WITHOUT PROTUBERANCES,0.003 SCALE	DETERMINE STATIC PRESSURE DISTRIBUTIONS ON MODIFIED MCR 0200 EXTERNAL TANK	PRESSURE	0.003 / 1.96 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P.E. RAMSEY / MSFC G.W. WINKLER / NSI V. W. SPARKS D. E. POUCHER -DMS	DMS-DR-2165 VOLUME 04 JAN., 1976

TEST ID	REPORT TITLI	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC -	RESULTS OF AN INV	EXTERNAL TANK WIT	DETERMINE STATIC	PRESSURE	0.003 /	MSFC /	P.E. RAMSEY / MSF	DMS-DR-2165
14TWT -	ESTIGATION OF AN	H AND WITHOUT PRO	PRESSURE DISTRIBU		1.96 -	MSFC -	C	VOLUME 05
596 /	0.003-SCALE SPACE	TUBERANCES,0.003	TIONS ON MODIFIED		4.96	14-INCH TRISON	G.W. WINKLER / NS	DEC., 1975
TA2F	SHUTTLE EXTERNAL	SCALE	MCR 0200			IC WIND TUNNEL	I	
CR-141,827	TANK (MSFC MODEL		EXTERNAL TANK				V. W. SPARKS	
	460) IN THE NASA/						D. E. POUCHER	
	MSFC 14 X 14-INCH						-DMS	
	TRISONIC WIND TU							
	NNEL TO DETERMINE							
	STATIC PRESSURE							
	DISTRIBUTIONS DU							
	RING REENTRY (TA2							
	F)							
LARC -	HEAT TRANSFER TES	ORB.+ET+SRB	TO INVESTIGATE PA	HEAT-TRANS	3.7 -	RI /	D.G. WALSTAD/RI	DMS-DR-2166
UPWT -	TS OF AN 0.006 SC	ET	RAMETRICALLY THE		3.7	LARC -	R.L. STALLINGS/LA	JULY, 1975
1041 /	ALE THIN-SKIN SPA	SRB	ASCENT HEATING OF			UNITARY PLAN W	RC	
IH16	CE SHUTTLE THERMO	ORB	THE INTEGRATED			IND TUNNEL	J.T.DAVIET	
CR-141,534	COUPLE MODEL (41-		VEHICLE				-DMS	
	OTS) IN THE LANGL							
	EY RESEARCH CENTE							
	R UNITARY PLAN WI							
	ND TUNNEL AT M=3.							
	7 (IH16)							
ARC -	RESULTS OF AN INV	140A/B	OBTAIN INCREMENTA	FORCE	0.015 /	ROCKWELL/	M. D. MILAM AND R	DMS-DR-2167
3.5HWT -	ESTIGATION ON AN		L DATA ON THE EFF		5.3 -	ARC -	. L. GILLINS/ROCK	AUGUST, 1975
190 /	0.015-SCALE MODEL		ECTS OF A STING M		10.3	3.5-FOOT HYPER	WELL INTERNATIONA	
0A98	(49-0) OF THE ROC		OUNT ON BASE PRES			SONIC WIND TUN	L	
CR-141,550	KWELL INTERNATION		SURES AND FORCE A			NEL	J. CLEARY/NASA AM	
	AL SPACE SHUTTLE		ND MOMENT DATA WI				ES	
	ORBITER IN THE NA		TH VARIOUS SURFAC				D. A. SARVER	
	SA AMES RESEARCH		E DEFLECTIONS				G. G. MCDONALD	
	CENTER 3.5-FOOT H						-DMS	
	YPERSONIC WIND TU							
	NNEL (0A98)							

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          *                  *                  *                  *          *MODEL       *                 *    COGNIZANT      *   BASIC
  TEST    *                  *  CONFIGURATIONS  *       TEST       *  TYPE OF *       SCALE*  TESTING        *    TEST DMS       *PUBLICATIONS
   ID     *  REPORT TITLE    *      TESTED      *      PURPOSE     *   TEST   *MACH RANGE*  AGENCY         *    PERSONNEL      *OR COMMENTS
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LARC     - *HEAT TRANSFER TO *THERMAL PROTECTIO*TO BETTER DEFINE *HEAT-TRANS*1.0      / *LARC      /     *DAVID A. THROCKMO*DMS-DR-2168
CFHT     - *SURFACE AND GAPS *N SYSTEM         *THE HEATING WHICH*          *10.3 -     *LARC      -     *RTON/LARC        *MAY,     1974
97       /*OF RSI TILE ARRAY*                  *THE TILE SURFACE *          *10.3       *CONTINUOUS-FLO*M. M. MOSER JR.  *
LA32      *S IN TURBULENT FL*                  *AND GAP WALLS WI *          *           *W HYPERSONIC T*-DMS             *
TM-X      *OW AT MACH 10.3  *                  *LL EXPERIENCE; TI*          *           *UNNEL           *                 *
 71945    *                 *                  *LES ARE PART OF T*          *           *                *                 *
          *                 *                  *PS               *          *           *                *                 *
          *                 *                  *                 *          *           *                *                 *
ARC      - *RESULTS OF A PRES*LAUNCH VEHICLE 5 *TO OBTAIN PRESSUR*PRESSURE  *0.03     / *ARC       /     *T. J. DZIUBALA, E*DMS-DR-2169
11TWT    - *SURE LOADS INVEST*                 *E DISTRIBUTIONS, *FORCE     *0.6  -     *ARC       -     *. CHEE, M. D. MIL*VOLUME 01
019      /*IGATION ON A 0.03*                  *FORCE DATA, AND H*          *2.5        *11-FOOT TRANSO*AM/RI            *JAN.,    1976
IA81A     *O-SCALE MODEL (47*                  *INGE MOMENTS     *          *           *NIC WIND TUNNE*D. A. SARVER     *
CR-141,836*-OTS) OF THE INTE*                  *ON THE INTEGRATED*          *           *L (UNITARY)   *M. M. MANN       *
          *GRATED SPACE SHUT*                  *LAUNCH VEHICLE   *          *           *                *-DMS             *
          *TLE VEHICLE CONFI*                  *                 *          *           *                *                 *
          *GURATION 5 IN THE*                  *                 *          *           *                *                 *
          *NASA AMES RESEARC*                  *                 *          *           *                *                 *
          *H CENTER 11 X 11 *                  *                 *          *           *                *                 *
          *FOOT LEG OF THE U*                  *                 *          *           *                *                 *
          *NITARY PLAN WIND *                  *                 *          *           *                *                 *
          *TUNNEL (IA81A) VO*                  *                 *          *           *                *                 *
          *LUME 1 OF 7      *                  *                 *          *           *                *                 *
          *                 *                  *                 *          *           *                *                 *
ARC      - *RESULTS OF A PRES*LAUNCH VEHICLE 5 *TO OBTAIN PRESSUR*PRESSURE  *0.03     / *ARC       /     *T. J. DZIUBALA, E*DMS-DR-2169
11TWT    - *SURE LOADS INVEST*                 *E DISTRIBUTIONS, *FORCE     *0.6  -     *ARC       -     *. CHEE, M. D. MIL*VOLUME 02
019      /*IGATION ON A 0.03*                  *FORCE DATA, AND H*          *2.5        *11-FOOT TRANSO*AM/RI            *JAN.,    1976
IA81A     *O-SCALE MODEL (47*                  *INGE MOMENTS     *          *           *NIC WIND TUNNE*D. A. SARVER     *
CR-141,837*-OTS) OF THE INTE*                  *ON THE INTEGRATED*          *           *L (UNITARY)   *M. M. MANN       *
          *GRATED SPACE SHUT*                  *LAUNCH VEHICLE   *          *           *                *-DMS             *
          *TLE VEHICLE CONFI*                  *                 *          *           *                *                 *
          *GURATION 5 IN THE*                  *                 *          *           *                *                 *
          *NASA AMES RESEARC*                  *                 *          *           *                *                 *
          *H CENTER 11 X 11 *                  *                 *          *           *                *                 *
          *FOOT LEG OF THE U*                  *                 *          *           *                *                 *
          *NITARY PLAN WIND *                  *                 *          *           *                *                 *
          *TUNNEL (IA81A) VO*                  *                 *          *           *                *                 *
          *LUME 2 OF 7      *                  *                 *          *           *                *                 *
          *                 *                  *                 *          *           *                *                 *
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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF A PRES	LAUNCH VEHICLE 5	TO OBTAIN PRESSUR	PRESSURE	0.03 /	ARC /	T. J. DZIUBALA, E	DMS-DR-2169
11TWT -	SURE LOADS INVEST		E DISTRIBUTIONS,	FORCE	0.6 -	ARC -	. CHEE, M. D. MIL	VOLUME 03
019 /	IGATION ON A 0.03		FORCE DATA, AND H		2.5	11-FOOT TRANSO	AM/RI	JAN., 1976
IA81A	O-SCALE MODEL (47		INGE MOMENTS			NIC WIND TUNNE	D. A. SARVER	
CR-141,838	-OTS OF THE INTE		ON THE INTEGRATED			L (UNITARY)	M. M. MANN	
	GRATED SPACE SHUT		LAUNCH VEHICLE				-DMS	
	TLE VEHICLE CONFI							
	GURATION 5 IN THE							
	NASA AMES RESEARC							
	H CENTER 11 X 11							
	FOOT LEG OF THE U							
	NITARY PLAN WIND							
	TUNNEL (IA81A) VO							
	LUME 3 OF 7							
ARC -	RESULTS OF A PRES	LAUNCH VEHICLE 5	TO OBTAIN PRESSUR	PRESSURE	0.03 /	ARC /	T. J. DZIUBALA, E	DMS-DR-2169
11TWT -	SURE LOADS INVEST		E DISTRIBUTIONS,	FORCE	0.6 -	ARC -	. CHEE, M. D. MIL	VOLUME 04
019 /	IGATION ON A 0.03		FORCE DATA, AND H		2.5	11-FOOT TRANSO	AM/RI	JAN., 1976
IA81A	O-SCALE MODEL (47		INGE MOMENTS			NIC WIND TUNNE	D. A. SARVER	
CR-141,839	-OTS OF THE INTE		ON THE INTEGRATED			L (UNITARY)	M. M. MANN	
	GRATED SPACE SHUT		LAUNCH VEHICLE				-DMS	
	TLE VEHICLE CONFI							
	GURATION 5 IN THE							
	NASA AMES RESEARC							
	H CENTER 11 X 11							
	FOOT LEG OF THE U							
	NITARY PLAN WIND							
	TUNNEL (IA81A) VO							
	LUME 4 OF 7							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 019 / IA81A CR-141,840	RESULTS OF A PRES SURE LOADS INVEST IGATION ON A 0.03 O-SCALE MODEL (47 -OTS) OF THE INTE GRATED SPACE SHUT TLE VEHICLE CONFI GURATION 5 IN THE NASA AMES RESEARC H CENTER 11 X 11 FOOT LEG OF THE U NITARY PLAN WIND TUNNEL (IA81A) VO LUME 5 OF 7	LAUNCH VEHICLE 5	TO OBTAIN PRESSUR E DISTRIBUTIONS, FORCE DATA, AND H INGE MOMENTS ON THE INTEGRATED LAUNCH VEHICLE	PRESSURE FORCE	0.03 / 0.6 - 2.5	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	T. J. DZIUBALA, E . CHEE, M. D. MIL AM/RI D. A. SARVER M. M. MANN -DMS	DMS-DR-2169 VOLUME 05 JAN., 1976
ARC - 11TWT - 019 / IA81A CR-141,841	RESULTS OF A PRES SURE LOADS INVEST IGATION ON A 0.03 O-SCALE MODEL (47 -OTS) OF THE INTE GRATED SPACE SHUT TLE VEHICLE CONFI GURATION 5 IN THE NASA AMES RESEARC H CENTER 11 X 11 FOOT LEG OF THE U NITARY PLAN WIND TUNNEL (IA81A) VO LUME 6 OF 7	LAUNCH VEHICLE 5	TO OBTAIN PRESSUR E DISTRIBUTIONS, FORCE DATA, AND H INGE MOMENTS ON THE INTEGRATED LAUNCH VEHICLE	PRESSURE FORCE	0.03 / 0.6 - 2.5	ARC / ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	T. J. DZIUBALA, E . CHEE, M. D. MIL AM/RI D. A. SARVER M. M. MANN -DMS	DMS-DR-2169 VOLUME 06 JAN., 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF A PRES	LAUNCH VEHICLE 5	TO OBTAIN PRESSUR	PRESSURE	0.03 /	ARC /	T. J. DZIUBALA, E	DMS-DR-2169
11TWT -	SURE LOADS INVEST		E DISTRIBUTIONS,	FORCE	0.6 -	ARC -	. CHEE, M. D. MIL	VOLUME 07
019 /	IGATION ON A 0.03		FORCE DATA, AND H		2.5	11-FOOT TRANSO	AM/RI	JAN., 1976
IA81A	O-SCALE MODEL (47		INGE MOMENTS			NIC WIND TUNNE	D. A. SARVER	
CR-141,842	-OTS) OF THE INTE		ON THE INTEGRATED			L (UNITARY)	M. M. MANN	
	GRATED SPACE SHUT		LAUNCH VEHICLE				-DMS	
	TLE VEHICLE CONFI							
	GURATION 5 IN THE							
	NASA AMES RESEARC							
	H CENTER 11 X 11							
	FOOT LEG OF THE U							
	NITARY PLAN WIND							
	TUNNEL (IA81A) VO							
	LUME 7 OF 7							
ARC -	RESULTS OF A JET	LAUNCH VEHICLE 5	TO OBTAIN ELEVON	FORCE	0.02 /	ARC /	S.L.TREON/AMES RE	DMS-DR-2170
11TWT -	PLUME EFFECTS TES		HINGE MOMENTS AND	PRESSURE	0.9 -	ARC -	SEARCH CENTER	VOLUME 01
014 /	T ON THE ROCKWELL		INCREMENTAL EFFE		1.40	11-FOOT TRANSO	M.E. NICHOLS/ R.	JUNE, 1975
IA19	INTERNATIONAL IN		CTS OF JET PLUMES			NIC WIND TUNNE	I.	
CR-141,543	TEGRATED SPACE SH		ON PRESSURE DISTR			L (UNITARY)	D. A. SARVER	
	UTTLE VEHICLE USI		IBUTIONS				W. B. MEINDERS	
	NG A VEHICLE 5 CO						-DMS	
	NFIGURATION 0.02-							
	SCALE MODEL (88-0							
	TS) ON THE 11 X 1							
	1 FOOT LEG OF THE							
	NASA/AMES RESEAR							
	CH CENTER UNITARY							
	PLAN WIND TUNNEL							
	(IA19)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF A JET	LAUNCH VEHICLE 5	TO OBTAIN ELEVON	FORCE	0.02 /	ARC /	S.L. TREON/AMES R	DMS-DR-2170
11TWT -	PLUME EFFECTS TES		HINGE MOMENTS AND	PRESSURE	0.9 -	ARC -	ESEARCH CENTER	VOLUME 02
014 /	T ON THE ROCKWELL		INCREMENTAL EFFE		1.40	11-FOOT TRANSO	M.E. NICHOLS/ R.	JUNE, 1975
IA19	INTERNATIONAL IN		CTS OF JET PLUMES			NIC WIND TUNNE	I.	
CR-141,544	TEGRATED SPACE SH		ON PRESSURE DIST			L (UNITARY)	D. A. SARVER	
	UTTLE VEHICLE USI		RIBUTIONS				W. B. MEINDERS	
	NG A VEHICLE 5 CO						-DMS	
	NFIGURATION 0.02-							
	SCALE MODEL (88-O							
	TS) IN THE 11 X 1							
	1 FOOT LEG OF THE							
	NASA/AMES RESEAR							
	CH CENTER UNITARY							
	PLAN WIND TUNNEL							
	(IA19)							
ARC -	RESULTS OF A JET	LAUNCH VEHICLE 5	TO OBTAIN ELEVON	FORCE	0.02 /	ARC /	S.L. TREON/AMES R	DMS-DR-2170
11TWT -	PLUME EFFECTS TES		HINGE MOMENTS AND	PRESSURE	0.9 -	ARC -	ESEARCH CENTER	VOLUME 03
014 /	T ON THE ROCKWELL		INCREMENTAL EFFE		1.40	11-FOOT TRANSO	M.E. NICHOLS/R. I	JUNE, 1975
IA19	INTERNATIONAL IN		CTS OF JET PLUMES			NIC WIND TUNNE	.	
CR-141,545	TEGRATED SPACE SH		ON PRESSURE DIST			L (UNITARY)	D. A. SARVER	
	UTTLE VEHICLE USI		RIBUTIONS				W. B. MEINDERS	
	NG A VEHICLE 5 CO						-DMS	
	NFIGURATION 0.02-							
	SCALE MODEL (88-O							
	TS) IN THE 11 X 1							
	1 FOOT LEG OF THE							
	NASA/AMES RESEAR							
	CH CENTER UNITARY							
	PLAN WIND TUNNEL							
	(IA19)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 3.5HWT - 198 / OH38 CR-144,584	RESULTS OF PRESSU RE DISTRIBUTION T ESTS OF A 0.010-S CALE SPACE SHUTTL E ORBITER MODEL (61-0) IN THE NASA /ARC 3.5-FOOT HYP ERSONIC WIND TUNN EL (OH38)	140C ORBITER	OBTAIN PRESSURE D ISTRIBUTIONS AT H IGH HEATING LOCAT IONS FOR HIGH ANG LES OF ATTACK AT MACH NUMBERS 7 AN D 10	PRESSURE	0.01 / 7.4 - 10.4	ARC / ARC - 3.5-FOOT HYPER SONIC WIND TUN NEL	W. H. DYE/RI JOE MARVIN/ARC D. A. SARVER W. B. MEINDERS -DMS	DMS-DR-2171 VOLUME 01 JAN., 1976
ARC - 3.5HWT - 198 / OH38 CR-144,585	RESULTS OF PRESSU RE DISTRIBUTION T ESTS OF A 0.010-S CALE SPACE SHUTTL E ORBITER MODEL (61-0) IN THE NASA /ARC 3.5-FOOT HYP ERSONIC WIND TUNN EL (OH38)	140C ORBITER	OBTAIN PRESSURE D ISTRIBUTIONS AT H IGH HEATING LOCAT IONS FOR HIGH ANG LES OF ATTACK AT MACH NUMBERS 7 AN D 10	PRESSURE	0.01 / 7.4 - 10.4	ARC / ARC - 3.5-FOOT HYPER SONIC WIND TUN NEL	W. H. DYE/RI JOE MARVIN/ARC D. A. SARVER W. B. MEINDERS -DMS	DMS-DR-2171 VOLUME 02 JAN., 1976
ARC - 3.5HWT - 198 / OH38 CR-144,586	RESULTS OF PRESSU RE DISTRIBUTION T ESTS OF A 0.010-S CALE SPACE SHUTTL E ORBITER MODEL (61-0) IN THE NASA /ARC 3.5-FOOT HYP ERSONIC WIND TUNN EL (OH38)	140C ORBITER	OBTAIN PRESSURE D ISTRIBUTIONS AT H IGH HEATING LOCAT IONS FOR HIGH ANG LES OF ATTACK AT MACH NUMBERS 7 AN D 10	PRESSURE	0.01 / 7.4 - 10.4	ARC / ARC - 3.5-FOOT HYPER SONIC WIND TUN NEL	W. H. DYE/RI JOE MARVIN/ARC D. A. SARVER W. B. MEINDERS -DMS	DMS-DR-2171 VOLUME 03 JAN., 1976
LARC - 60VS - R3289 / OA99 CR-134,415	RESULTS OF REACTI ON CONTROL SYSTEM ON-ORBIT JET USI NG AN 0.0175-SCAL E CONFIGURATION 3 SPACE SHUTTLE OR BITER MODEL (21-O) IN THE LARC 60- FOOT VACUUM SPHER E	SSV ORBITER CONF. 2 (MODEL 21-O OF VL70-000139)	TO DETERMINE RCS DIRECT IMPINGEMEN T EFFECTS ON SSV DURING ON-ORBIT	HEAT-TRANS	0.0175 / 3.4 -	RI / LARC - 60-FOOT VACUUM SPHERE VON KA RMAN FACILITIE S	IRA E. TILLEY III /LARC JOHN MARROQUIN/RI D. A. SARVER -DMS	DMS-DR-2172 OCT., 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	AERODYNAMIC RESUL	6-OTS	EXPERIMENTAL AERO	FORCE	0.015 /	LARC /	J.H. CAMPBELL,II/	DMS-DR-2173
14-TWT -	TS OF AN ABORT SE		DYNAMIC INVESTIGA		0.32 -	ARC -	RI	JULY, 1974
711 /	PARATION EFFECTS		TIONS		1.1	14-FOOT TRANSO	J. E. VAUGHN	
IA8	TEST (IA8) CONDUC					NIC WIND TUNNE	M. M. MOSER JR.	
CR-134,107	TED IN THE NASA/L					L	-DMS	
	ARC 14-FOOT TRANS							
	ONIC WIND TUNNEL							
	ON A MODEL (6-OTS							
	) OF THE ROCKWELL							
	INTERNATIONAL LA							
	UNCH CONFIGURATIO							
	N INTEGRATED VEHI							
	CLE							
MSFC -	AN INVESTIGATION	VEHICLE 5 CONFIGU	TO DETERMINE THE	FORCE	0.004 /	MSFC /	E.C.ALLEN/RI	DMS-DR-2174
14TWT -	IN THE MSFC 14-IN	RATION	STATIC STABILITY		0.6 -	MSFC -	V. W. SPARKS	VOLUME 01
594 /	CH TWT TO DETERMI		CHARACTERISTICS O		4.96	14-INCH TRISON	R. B. LOWE	NOV., 1975
IA33	NE THE STATIC STA		F THE SHUTTLE VEH			IC WIND TUNNEL	-DMS	
CR-141,811	BILITY CHARACTERI		ICLE 5 CONFIGURAT					
	STICS OF THE 0.00		ION; TO DETERMINE					
	4-SCALE MODEL (74		THE EFFECT ON TH					
	-OTS) SPACE SHUTT		E VEHICLE 5 AEROD					
	LE VEHICLE 5 CONF		YNAMIC CHARACTERI					
	IGURATION (IA33)		STICS OF ET AND S					
			RB NOSE SHAPE,SRB					
			NOZZLE SHROUD FL					
			ARE ANGLE, ORBITE					
			R TO TANK FAIRING					
			, AND STING LOCAT					
			ION					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - 14TWT - 594 / IA33 CR-141,812	AN INVESTIGATION IN THE MSFC 14-INCH TWT TO DETERMINE THE STATIC STABILITY CHARACTERISTICS OF THE 0.004-SCALE MODEL (74-OTS) SPACE SHUTTLE VEHICLE 5 CONFIGURATION (IA33)	VEHICLE 5 CONFIGURATION	TO DETERMINE THE STATIC STABILITY CHARACTERISTICS OF THE SHUTTLE VEHICLE 5 CONFIGURATION; TO DETERMINE THE EFFECT ON THE VEHICLE 5 AERODYNAMIC CHARACTERISTICS OF THE ET AND SRB NOSE SHAPE, SRB NOZZLE SHROUD FLARE ANGLE, ORBITER TO TANK FAIRING, AND STING LOCATION	FORCE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	E.C. ALLEN/RI V. W. SPARKS R. B. LOWE -DMS	DMS-DR-2174 VOLUME 02 NOV., 1975
MSFC - 14TWT - 594 / IA33 CR-141,813	AN INVESTIGATION IN THE MSFC 14-INCH TWT TO DETERMINE THE STATIC STABILITY CHARACTERISTICS OF THE 0.004-SCALE MODEL (74-OTS) SPACE SHUTTLE VEHICLE 5 CONFIGURATION (IA33)	VEHICLE 5 CONFIGURATION	TO DETERMINE THE STATIC STABILITY CHARACTERISTICS OF THE SPACE SHUTTLE VEHICLE 5 CONFIGURATION; TO DETERMINE THE EFFECT ON THE VEHICLE 5 AERODYNAMIC CHARACTERISTICS OF THE ET AND SRB NOSE SHAPE, SRB NOZZLE SHROUD FLARE ANGLE, ORBITER TO TANK FAIRING, AND STING LOCATION	FORCE	0.004 / 0.6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	E.C. ALLEN/RI V. W. SPARKS R. B. LOWE -DMS	DMS-DR-2174 VOLUME 03 NOV., 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD - 7TWT - 282 / IA70 CR-134,431	SUBSONIC AND TRAN SONIC HINGE MOMEN T AND WING BENDIN G/TORSION CHARACTERISTICS F OR THE -140A/B IN TEGRATED SPACE SH UTTLE VEHICLE (IA70) VOLUME 1 O F 3	MODEL 49-O + 67TS INTEGRATED VEHIC LE	OBTAIN ORBITER WI NG BENDING LOADS AND TO DEFINE ELE VON AND BODY FLAP HINGE MOMENTS WHI LE IN THE SSV INT EGRATED CONFIGURA TION	FORCE PRESSURE	0.015 / 0.90 - 1.50	NRLAD / NRLAD - 7-FOOT TRISONI C WIND TUNNEL	M.T. HUGHES,R.C. MENNELL / R.I. D. E. POUCHER -DMS	DMS-DR-2175 VOLUME 01 DEC., 1974
NRLAD - 7TWT - 282 / IA70 CR-134,432	SUBSONIC AND TRAN SONIC HINGE MOMEN T AND WING BENDIN G/TORSION CHARACTERISTICS F OR THE -140A/B IN TEGRATED SPACE SH UTTLE VEHICLE (IA70) VOLUME 2 O F 3	MODEL 49-O + 67TS INTEGRATED VEHIC LE	OBTAIN ORBITER WI NG BENDING LOADS AND TO DEFINE ELE VON AND BODY FLAP HINGE MOMENTS WHI LE IN THE SSV INT EGRATED CONFIGURA TION	FORCE PRESSURE	0.015 / 0.90 - 1.50	NRLAD / NRLAD - 7-FOOT TRISONI C WIND TUNNEL	M.T. HUGHES,R.C. MENNELL / R.I. D. E. POUCHER -DMS	DMS-DR-2175 VOLUME 02 DEC., 1974
NRLAD - 7TWT - 282 / IA70 CR-134,433	SUBSONIC AND TRAN SONIC HINGE MOMEN T AND WING BENDIN G/TORSION CHARACTERISTICS F OR THE -140A/B IN TEGRATED SPACE SH UTTLE VEHICLE (IA70) VOLUME 3 O F 3	MODEL 49-O + 67TS INTEGRATED VEHIC LE	OBTAIN ORBITER WI NG BENDING LOADS AND TO DEFINE ELE VON AND BODY FLAP HINGE MOMENTS WHI LE IN THE SSV INT EGRATED CONFIGURA TION	FORCE PRESSURE	0.015 / 0.90 - 1.50	NRLAD / NRLAD - 7-FOOT TRISONI C WIND TUNNEL	M.T. HUGHES,R.C. MENNELL /R.I. D. E. POUCHER -DMS	DMS-DR-2175 VOLUME 03 DEC., 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 2HT - 26 / A40 M-X 72661	SPACE SHUTTLE ORB ITER TRIMMED CENT ER OF GRAVITY EXT ENSION STUDY VOLU ME IV - EFFECTS O F CONFIGURATION M ODIFICATIONS ON T HE AERODYNAMICS O F THE 139B ORBITE R AT MACH 20.3	139B ORBITER	DETERMINE THE EFF ECT OF SEVERAL FO REBODY, WING-FILL ET, AND CANARD MO DIFICATIONS ON TH E ORBITER LONGITU DINAL CENTER OF P RESSURE LOCATIONS	FORCE	19.0- 21.6	LARC / LARC - 22-INCH HELIUM TUNNEL	W. I. SCALLION/ N ASA LARC G. G. MCDONALD -DMS	DMS-DR-2176 MAY, 1978
ARC - 3.5HWT - 94 / 0A83 CR-141,510	RESULTS OF INVEST IGATIONS ON AN 0. 015-SCALE CONFIGU RATION 140A/B SPA CE SHUTTLE VEHICL E ORBITER REACTIO N CONTROL SYSTEM PLUME-IMPINGEMENT MODEL 36-O IN TH E NASA/AMES RESEA RCH CENTER 3.5-FO OT HYPERSONIC WIN D TUNNEL (OA83)	140A/B SSV ORBITE R	TO INVESTIGATE IN CREMENTAL SURFACE PRESSURE EFFECTS OF RCS PITCH ENG INE OPERATION	FORCE PRESSURE	0.015 / 5.3 - 10.3	RI / ARC - 3.5-FOOT HYPER SONIC WIND TUN NEL	M. E. NICHOLS/RI T. E. POLEK/ARC R. B. LOWE -DMS	DMS-DR-2177 MARCH, 1975
ARC - 97SWT - 747 / OA53B CR-134,119	INVESTIGATIONS ON AN 0.030-SCALE S PACE SHUTTLE VEHI CLE CONFIGURATION 140A/B ORBITER MO DEL IN THE AMES R ESEARCH CENTER 9- BY 7 FOOT SUPER- SONIC WIND TUNNEL (OA53B)	140A/B	THE PRIMARY TEST OBJECTIVES ARE TO OBTAIN CONFIGURA TION 140A/B STABILITY AND CON TROL CHARACTERIST ICS, CONTROL SURF ACE EFFECTIVENESS CONTROL SURFACE H INGE MOMENTS, AND VERTICAL TAIL PA NEL LOADS.	FORCE	0.03 / 1.6 - 2.0	ARC / ARC - 9-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY)	MARK E. NICHOLS / RI M. M. MANN -DMS	DMS-DR-2178 AUGUST, 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN INV	SS ORBITER LOWER	TO INVESTIGATE TP	STRUCT-DYN	1.0 /	ARC /	R. B. KINGSLAND/R	DMS-DR-2179
11TWT -	ESTIGATION OF THE	WING CARRY-THROUG	S TILE SENSITIVIT		0.60 -	ARC -	I	NOV., 1977
105 /	ACOUSTIC AND VIB	H STRUCTURE WITH	Y TO EXTREME PRES		2.5	11-FOOT TRANSO	R. B. LOWE	
97SWT -	RATIONAL ENVIRONM	A DUMMY PANEL , A	SURE GRADIENTS AN			NIC WIND TUNNE	-DMS	
OS8A/B	ENT OF A FULL SCA	RIGID PANEL, OR A	D VIBRATION AND T			L (UNITARY)		
CR-151,378	LE SPACE SHUTTLE	N ELASTIC PANEL	O DEFINE THE TPS			9-FOOT BY 7-FO		
	ORBITER STRUCTURA		AERODYNAMIC ENVI			OT SUPERSONIC		
	L TEST PANEL WITH		ROMENT			WIND TUNNEL (U		
	SIMULATED TPS IN					NITARY)		
	THE AMES UNITARY							
	PLAN WIND TUNNEL							
	(MODEL 81-0,TEST							
	OS8A AND B)							
ARC -	HEAT TRANSFER TES	SSV ORBITER (MODE	OBTAIN AERODYNAMI	HEAT-TRANS	5.22-	ARC -	J. W. CUMMINGS, T	DMS-DR-2180
3.5HWT -	T OF AN 0.006-SCA	L(50-0)	C HEATING DATA UN		5.30	3.5-FOOT HYPER	. F. FOSTER/RI	VOLUME 01
195 /	LE THIN-SKIN THER	SSV EXT. TANK (MO	DER SIMULATED RET			SONIC WIND TUN	W. K. LOCKMAN/ARC	SEPT., 1976
IH28	MOCOUPLE SPACE SH	DEL 41-T)	URN-TO-LAUNCH-SIT			NEL	D. A. SARVER	
CR-147,615	UTTLE MODEL (50-0		E ABORT CONDITION				R. B. LOWE	
	,41T) IN THE NASA		S				-DMS	
	-AMES RESEARCH CE							
	NTER 3.5-FOOT HYP							
	ERSONIC WIND TUNN							
	EL AT MACH 5.3 (I							
	H-28)							
ARC -	HEAT TRANSFER TES	SSV ORBITER (MODE	OBTAIN AERODYNAMI	HEAT-TRANS	5.22-	ARC -	J. W. CUMMINGS, T	DMS-DR-2180
3.5HWT -	T OF AN 0.006-SCA	L(50-0)	C HEATING DATA UN		5.30	3.5-FOOT HYPER	. F. FOSTER/RI	VOLUME 02
195 /	LE THIN-SKIN THER	SSV EXT. TANK (MO	DER SIMULATED RET			SONIC WIND TUN	W. K. LOCKMAN/ARC	SEPT., 1976
IH28	MOCOUPLE SPACE SH	DEL 41-T)	URN-TO-LAUNCH-SIT			NEL	D. A. SARVER	
CR-147,616	UTTLE MODEL (50-0		E ABORT CONDITION				R. B. LOWE	
	,41T) IN THE NASA		S				-DMS	
	-AMES RESEARCH CE							
	NTER 3.5-FOOT HYP							
	ERSONIC WIND TUNN							
	EL AT MACH 5.3 (I							
	H-28)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 3.5HWT - 196 / TA9F CR-134,425	A HYPERSONIC FORCE AND MOMENT TEST OF A 0.006 SCALE MODEL OF THE 330.2 INCH DIAMETER EXTERNAL TANK IN THE AMES RESEARCH CENTER 3.5 FT. HYPERSONIC WIND TUNNEL (TA9F)	EXTERNAL TANK	TO INVESTIGATE THE EFFECTS OF PROTUBERANCES AND REYNOLDS NUMBER ON THE FORCE AND MOMENT COEFFICIENTS	FORCE	0.006 / 5.3 - 10.4	MSFC / ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	PAUL RAMSEY/NASA TOMMY DAVIS/ NSI J. E. VAUGHN G. G. MCDONALD -DMS	DMS-DR-2181 NOV., 1974
LARC - UPWT - 1101 / LA49 CR-151,062	SUPERSONIC CONTROL EFFECTIVENESS FOR FULL AND PARTIAL SPAN ELEVON CONFIGURATIONS ON A 0.0165 SCALE MODEL SPACE SHUTTLE ORBITER TESTED IN THE LARC UNITARY PLAN WIND TUNNEL	089B/139		FORCE	.0165 / 2.5 - 4.63	LARC / LARC - UNITARY PLAN WIND TUNNEL	BERNARD SPENCER, JR./LARC J. E. VAUGHN -DMS	DMS-DR-2182 APRIL, 1977
LARC - 8TPT - 684 / LA51 TM-X 72661	SPACE SHUTTLE ORBITER TRIMMED CENTER-OF-GRAVITY EXTENSION STUDY: VOLUME II-EFFECTS OF CONFIGURATION MODIFICATIONS ON THE AERODYNAMIC CHARACTERISTICS OF THE 140A/B ORBITER AT TRANSONIC SPEEDS	140A/B	TO DETERMINE EFFECTS OF FUSELAGE NOSE AND WING FILLET MODS ON TRANSONIC AERO. CHARACTERISTICS OF A SSV CONFIG.	FORCE	0.01 / .35 - 1.20	LARC / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL	W. P. PHILLIPS J. W. BALL D.B. WATSON -DMS	DMS-DR-2183 FEB., 1977

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - 8TPT - 680 / LA48 CR-151,061	TRANSONIC CONTROL EFFECTIVENESS FOR FULL AND PARTIAL SPAN ELEVON CONFIGURATIONS ON A 0.0165 SCALE MODEL SPACE SHUTTLE ORBITER TESTED IN THE LARC 8-FOOT TRANSONIC PRESSURE TUNNEL	089B/140	TO DETERMINE LONGITUDINAL/LATERAL CONTROL EFFECTIVENESS ON COMBINATIONS OF INBOARD, OUTBOARD, FULL SPAN WING TRAILING EDGE CONTROLS	FORCE	0.0165 / .60 - 1.08	LARC / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL	BERNARD SPENCER,JR./LARC J. E. VAUGHN B. J. FRICKEN-DMS	DMS-DR-2184 APRIL, 1977
ARC - 87SWT - 747 / OA53C CR-134,120	INVESTIGATIONS ON AN 0.030-SCALE SPACE SHUTTLE VEHICLE CONFIGURATION 140A/B ORBITER MODEL IN THE AMES RESEARCH CENTER UNITARY PLAN 8-BY 7-FOOT SUPERSONIC WIND TUNNEL	140A/B	THE PRIMARY TEST OBJECTIVES ARE TO OBTAIN CONFIGURATION 140A/B STABILITY AND CONTROL CHARACTERISTICS, CONTROL SURFACE EFFECTIVENESS, CONTROL SURFACE HINGE MOMENTS, AND VERTICAL TAIL PANEL LOADS.	FORCE	0.03 / 2.5 - 3.5	ARC / ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	MARK E. NICHOLS / RI M. M. MANN-DMS	DMS-DR-2185 SEPT., 1974
LARC - 8TPT - 686 / OA116 CR-134,428	RESULTS OF DIFFERENTIAL ELEVON/AILERON DEFLECTION FOR LATERAL CONTROL OPTIMIZATION AND ELEVON HINGE MOMENT INVESTIGATIONS ON AN 0.015-SCALE MODEL(49-0) OF THE SPACE SHUTTLE ORBITER IN THE NASA/LANGLEY RESEARCH CENTER 8-FOOT TRANSONIC PRESSURE TUNNEL	.015-SCALE ORBITER MODEL,CONFIGURATION 140A/B (49-O)	DETERMINE TRANSONIC DIFFERENTIAL ELEVON/AILERON LATERAL CONTROL OPTIMIZATION,TRANSONIC ELEVON HINGE MOMENTS,TRANSONIC EFFECTS OF NEW BASELINE 6-INCH ELEVON/ELEVON AND ELEVON/FUSELAGE GAPS,AND TRANSONIC EFFECTS OF THE NEW SHORT(VL70-008410) OMS PODS	FORCE	0.015 / 0.35 - 1.2	LARC / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL	A.I. LINDSEY,M.D.MILAM/RI R. H. LINDAHL-DMS	DMS-DR-2186 JAN., 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	EFFECTS OF WING/E	140A/B SPACE SHUT	TO DEFINE ORBITER	FORCE	0.0405 /	RI /	R. C. MENNELL /RI	DMS-DR-2187
LSWT -	LEVON GAP SEALING	TLE ORBITER INNER	ELEVON EFFECTIVE		0.26 -	NRLAD -	R. B. LOWE	NOV., 1974
726 /	FLAPPER DOORS ON	MOLD LINE CONFIG	NESS WITH THE NEW		0.26	LOW SPEED WIND	-DMS	
OA119A	ORBITER ELEVON E	URATION, (MODEL 1	6 INCH ELEVON GA			TUNNEL		
CR-134,421	FFECTIVENESS (OA1	6-0)	PS SEALING FLAPPE					
	19A)		R DOORS					
LARC -				FORCE		LARC /	D.B. WATSON	DMS-DR-2188
UPWT -						LARC -	-DMS	TO LRC
1075 /						UNITARY PLAN W		
LA39						IND TUNNEL		
ARC -	RESULTS OF INVEST	ORBITER 140A/B	TO INVESTIGATE OR	FORCE	1.5 -	ARC /	E. CHEE/ROCKWELL	DMS-DR-2189
97SWT -	IGATION IA110 ON		BITER WING BENDIN		2.5	ARC -	M. M. MANN	MARCH, 1975
052 /	A 0.015-SCALE INT		G, ELEVON PANEL L			9-FOOT BY 7-FO	-DMS	
IA110	EGRATED CONFIGURA		OADS, AND ELEVON			OT SUPERSONIC		
CR-141,506	TION OF THE SPACE		EFFECTIVENESS			WIND TUNNEL (U		
	SHUTTLE VEHICLE					NITARY)		
	IN THE ARC 9X7 SU							
	PERSONIC WIND							
	TUNNEL USING MODE							
	LS 67-TS AND 49-O							
MSFC -	INVESTIGATION IN	0.004-SCALE ORBIT	TO VERIFY STABILI	FORCE	0.004 /	NASA /	E. C. ALLEN / RI	DMS-DR-2190
14TWT -	THE MSFC TWT TO V	ER FORCE MODEL (7	TY AND CONTROL CH		0.6 -	MSFC -	R. H. LINDAHL	JUNE, 1975
599 /	ERIFY THE STATIC	4-0)	ARACTERISTICS		4.96	14-INCH TRISON	-DMS	
OA108	STABILITY AND CON					IC WIND TUNNEL		
CR-141,537	TROL EFFECTIVENES							
	S OF THE 0.004-SC							
	ALE MODEL (74-0)							
	OF THE SHUTTLE 5							
	ORBITER (OA-108)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	SPACE SHUTTLE ORB	140A/B	C. G. EXTENSION S	FORCE	0.01 /	LARC /	P. T. BERNOT/NASA	DMS-DR-2191
CFHT -	ITER TRIMMED CENT		TUDY AT MACH 10		10.3 -	LARC -	/LARC	JULY, 1975
104 /	ER OF GRAVITY EXT				10.3	CONTINUOUS-FLO	J. E. VAUGHN	
LA47	ENSION STUDY: VO					W HYPERSONIC T	G. G. MCDONALD	
TM-X	LUME 1--EFFECTS O					UNNEL	-DMS	
72661	F CONFIGURATIONS							
	ON THE AERODYNAMI							
	C CHARACTERISTICS							
	OF THE 140 A/B O							
	RBITER AT MACH 10							
	.3							
AEDC -	AERODYNAMIC RESUL	O/ET; O/ET,SRB; S	STATIC FORCE TEST	FORCE	0.010 /	RI /	J.H. CAMPBELL, C	DMS-DR-2192
SWTA -	TS OF A SEPARATIO	RB	OF SRB SEPARATIO		4.52 -	AEDC -	ARL KNUDSEN, PAU	VOLUME 01
60A /	N EFFECTS TEST (I		N EFFECTS FOR A R		4.52	SUPERSONIC WIN	L PEARSON/R.I.	JULY, 1975
IA87	A87) ON A 0.01-SC		ANGE OF SSV ATTIT			D TUNNEL (A)	ROBERT BURT/ARO	
CR-141,541	ALE MODEL (52-OTS		UDES				D. A. SARVER	
	) OF THE INTEGRAT						D.B. WATSON	
	ED SSV IN THE AED						-DMS	
	C/VKF 40-BY-40 IN							
	CH SUPERSONIC WIN							
	D TUNNEL A							
AEDC -	AERODYNAMIC RESUL	O/ET; O/ET,SRB; S	STATIC FORCE TEST	FORCE	0.010 /	RI /	J.H. CAMPBELL, C	DMS-DR-2192
SWTA -	TS OF A SEPARATIO	RB	OF SRB SEPARATIO		4.52 -	AEDC -	ARL KNUDSEN, PAU	VOLUME 02
60A /	N EFFECTS TEST (I		N EFFECTS FOR A R		4.52	SUPERSONIC WIN	L PEARSON/R.I.	JULY, 1975
IA87	A87) ON A 0.01-SC		ANGE OF SSV ATTIT			D TUNNEL (A)	ROBERT BURT/ARO	
CR-141,542	ALE MODEL (52-OTS		UDES				D. A. SARVER	
	) OF THE INTEGRAT						D.B. WATSON	
	ED SSV IN THE AED						-DMS	
	C/VKF 40-BY-40 IN							
	CH SUPERSONIC WIN							
	D TUNNEL A							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 3.5HWT - 199 / OH26 CR-151,380	RESULTS OF HEAT TRANSFER TEST OF A 0.0175-SCALE SPACE SHUTTLE ORBITER 140B MODEL (MODIFIED 22-O) IN THE NASA-AMES RESEARCH CENTER 3.5-FOOT HYPERSONIC WIND TUNNEL	SS ORB. 140B MODEL (MODIFIED 22-O)	TO OBTAIN AERO HEATING DATA ON ORBITER UNDER SIMULATED ENTRY CONDITIONS	HEAT-TRANS	0.0175 / 7.32- 7.32	ROCKWELL/ ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	W. H. DYE/RI J. E. VAUGHN M. M. MOSER JR. -DMS	DMS-DR-2193 OCT., 1977
ARC - 97SWT - 019 / IA81B CR-141,817	RESULTS OF A PRESSURE LOADS INVESTIGATION ON A 0.03-SCALE MODEL (47-OTS) OF THE INTEGRATED SPACE SHUTTLE VEHICLE CONFIGURATION 5 IN THE NASA AMES RESEARCH CENTER 9 X 7 FOOT LEG OF THE UNITARY PLAN WIND TUNNEL (IA81B) VOLUME 1 OF 5	LAUNCH VEHICLE 5	TO OBTAIN PRESSURE DISTRIBUTIONS, FORCE DATA, AND HINGE MOMENTS ON THE INTEGRATED LAUNCH VEHICLE	PRESSURE FORCE	0.03 / 0.9 - 1.4	ROCKWELL/ ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	T. J. DZIUBALA, E. CHEE, M. D. MILAM/RI D.W.HERSEY G. W. KLUG -DMS	DMS-DR-2194 VOLUME 01 NOV., 1975
ARC - 97SWT - 019 / IA81B CR-141,818	RESULTS OF A PRESSURE LOADS INVESTIGATION ON A 0.03-SCALE MODEL (47-OTS) OF THE INTEGRATED SPACE SHUTTLE VEHICLE CONFIGURATION 5 IN THE NASA AMES RESEARCH CENTER 9 X 7 FOOT LEG OF THE UNITARY PLAN WIND TUNNEL (IA81B) VOLUME 2 OF 5	LAUNCH VEHICLE 5	TO OBTAIN PRESSURE DISTRIBUTIONS, FORCE DATA, AND HINGE MOMENTS ON THE INTEGRATED LAUNCH VEHICLE	PRESSURE FORCE	0.03 / 0.9 - 1.4	ROCKWELL/ ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	T. J. DZIUBALA, E. CHEE, M. D. MILAM/RI D.W.HERSEY G. W. KLUG -DMS	DMS-DR-2194 VOLUME 02 DEC., 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF A PRES	LAUNCH VEHICLE 5	TO OBTAIN PRESSUR	PRESSURE	0.03 /	ROCKWELL/	T. J. DZIUBALA, E	DMS-DR-2194
97SWT -	SURE LOADS INVEST		E DISTRIBUTIONS,	FORCE	0.9 -	ARC -	. CHEE, M. D. MIL	VOLUME 03
019 /	IGATION ON A 0.03		FORCE DATA, AND H		1.4	9-FOOT BY 7-FO	AM/RI	DEC., 1975
IA81B	O-SCALE MODEL (47		INGE MOMENTS ON T			OT SUPERSONIC	D.W.HERSEY	
CR-141,819	-OTS) OF THE INTE		HE INTEGRATED LAU			WIND TUNNEL (U	G. W. KLUG	
	GRATED SPACE SHUT		NCH VEHICLE			NITARY)	-DMS	
	TLE VEHICLE CONFI							
	GURATION 5 IN THE							
	NASA AMES RESEARC							
	H CENTER 9 X 7 FO							
	OT LEG OF THE UNI							
	TARY PLAN WIND TU							
	NNEL (IA81B) VOLU							
	ME 3 OF 5							
ARC -	RESULTS OF A PRES	LAUNCH VEHICLE 5	TO OBTAIN PRESSUR	PRESSURE	0.03 /	ROCKWELL/	T. J. DZIUBALA, E	DMS-DR-2194
97SWT -	SURE LOADS INVEST		E DISTRIBUTIONS,	FORCE	0.9 -	ARC -	. CHEE, M. D. MIL	VOLUME 04
019 /	IGATION ON A 0.03		FORCE DATA, AND H		1.4	9-FOOT BY 7-FO	AM/RI	DEC., 1975
IA81B	O-SCALE MODEL (47		INGE MOMENTS ON T			OT SUPERSONIC	D.W.HERSEY	
CR-141,820	-OTS) OF THE INTE		HE INTEGRATED LAU			WIND TUNNEL (U	G. W. KLUG	
	GRATED SPACE SHUT		NCH VEHICLE			NITARY)	-DMS	
	TLE VEHICLE CONFI							
	GURATION 5 IN THE							
	NASA AMES RESEARC							
	H CENTER 9 X 7 FO							
	OT LEG OF THE UNI							
	TARY PLAN WIND TU							
	NNEL (IA81B) OVLU							
	ME 4 OF 5							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF A PRES	LAUNCH VEHICLE 5	TO OBTAIN PRESSUR	PRESSURE	0.03 /	ROCKWELL/	T. J. DZIUBALA, E	DMS-DR-2194
97SWT -	SURE LOADS INVEST		E DISTRIBUTIONS,	FORCE	0.9 -	ARC -	. CHEE, M. D. MIL	VOLUME 05
019 /	IGATION ON A 0.03		FORCE DATA, AND H		1.4	9-FOOT BY 7-FO	AM/RI	DEC., 1975
IA81B	O-SCALE MODEL (47		INGE MOMENTS ON T			OT SUPERSONIC	D.W.HERSEY	
CR-141,821	-OTS) OF THE INTE		HE INTEGRATED LAU			WIND TUNNEL (U	G. W. KLUG	
	GRATED SPACE SHUT		NCH VEHICLE			NITARY)	-DMS	
	TLE VEHICLE CONFI							
	GURATION 5 IN THE							
	NASA AMES RESEARC							
	H CENTER 9 X 7 FO							
	OT LEG OF THE UNI							
	TARY PLAN WIND TU							
	NNEL (IA81B) VOLU							
	ME 5 OF 5							
LARC -	RESULTS OF TEST O	ORBITER CONFIG. 3	TO DETERMINE RCS	FORCE	0.010 /	ROCKWELL/	D. E. THORNTON/RI	DMS-DR-2195
CFHT -	A82 IN THE NASA/L		JET INTERACTION E		10.3 -	LARC -	M. M. MANN	FEB., 1975
113 /	RC 31-INCH CFHT O		FFECTS ON HYPERSO		10.3	CONTINUOUS-FLO	-DMS	
0A82	N AN 0.010-SCALE		NIC AERODYNAMIC			W HYPERSONIC T		
CR-134,442	MODEL(32-O) OF TH		CHARACTERISTICS A			UNNEL		
	E SPACE SHUTTLE C		ND TO INVESTIGATE					
	ONFIGURATION 3 TO		RT (GAS CONSTANT					
	DETERMINE RCS		TIMES TEMP.)					
	JET FLOW FIELD IN		SCALING EFFECTS O					
	TERACTION AND TO		N THE RCS SIMILIT					
	INVESTIGATE RT RE		UDE					
	AL GAS EFFECTS							
AEDC -	RESULTS OF INVEST	ORBITER 140A/B	TO DETERMINE EFFE	FORCE	8.0 -	ROCKWELL/	V. ESPARZA /ROCKW	DMS-DR-2196
HWTB -	IGATIONS OF AN 0.		CTS OF SURFACE D		8.0	AEDC -	ELL INTERNATIONAL	MAY, 1975
71A /	015 SCALE SPACE S		EFLECTIONS ELEVON			HYPERSONIC WIN	A. I. LINDAY /ROC	
0A79	HUTTLE VEHICLE		, RUDDER, SPEED			D TUNNEL (B)	KWELL INTERNATION	
CR-141,531	140A/B CONFIGURAT		BRAKE, AND BODY F				AL	
	ION WITH MODIFIED		LAP CONFIGURATION				M. M. MANN	
	OMS PODS AND ELE		AT MACH 8, ANGLE				-DMS	
	VONS IN THE AEDC		OF ATTACK RANGE					
	VKF TUNNEL B (0A7		OF 15D TO 45D, AN					
	9)		D ANGLE OF SIDESL					
			IP RANGE OF -5D T					
			O 5D					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	PRESSURE AND HEAT	ET MODEL MCR0200	TO MEASURE INTERA	HEAT-TRANS	0.0175 /	MSFC /	E. B. BREWER, MSF	DMS-DR-2197
HWTF -	-FLUX RESULTS FRO		CTION HEATING RAT		16 -	AEDC -	C	OCT., 1974
VA291 /	M THE SPACE SHUTT		ES ON ET MATED TO		19	HYPERVELOCITY	D. R. HABERMAN, A	
FH10	LE/EXTERNAL FUEL		ORBITER UNDER LA			WIND TUNNEL (F	RO	
CR-134,418	TANK INTERACTION		MINAR FLOW CONDIT			)	V. W. SPARKS	
	TEST AT MACH NUMB		IONS				M. M. MOSER JR.	
	ERS 16 AND 19 (FH						-DMS	
	10)							
AEDC -	DIFFERENTIAL ELEV	ORBITER 140A/B	DETERMINE SUPERSO	FORCE	2.0 -	ROCKWELL/	V. ESPARZA / R	DMS-DR-2198
SWTA -	ON EFFECTIVENESS		NIC DIFFERENTIAL		5.0	AEDC -	OCKWELL INTERNATI	JULY, 1975
71A /	LATERAL CONTROL O		ELEVON/AILERON LA			SUPERSONIC WIN	ONAL	
OA115	PTIMIZATION AND		TERAL CONTROL			D TUNNEL (A)	A. I. LINDSAY / R	
CR-141,534	ELEVON HINGE MOME		OPTIMIZATION, SUP				OCKWELL INTERNATI	
	NT INVESTIGATION		ERSONIC ELEVON HI				ONAL	
	ON A 0.015-SCALE		NGE MOMENTS, SUPE				R. H. LINDAHL	
	SPACE SHUTTLE		RSONIC EFFECTS				-DMS	
	ORBITER MODEL (14		OF NEW BASELINE 6					
	0 A/B/C MODIFIED)		-INCH ELEVON/ELEV					
	IN THE AEDC VKF		ON AND ELEVON/FUS					
	WIND TUNNEL A		ELAGE GAPS, AND					
	(OA115)		SUPERSONIC EFFECT					
			S OF THE NEW SHOR					
			T OMS PODS.					
LARC -	SUPERSONIC DYNAMI	ORBITER; ET; SRB	TO DETERMINE DYNA	FORCE	0.015 /	LARC /	R. P. BOYDEN, D.	DMS-DR-2199
UPWT -	C-STABILITY DERIV		MIC-STABILITY CHA		2.0 -	LARC -	C. FREEMAN, JR.,	OCT., 1976
1074 /	ATIVES OF THE SPA		RACTERISTICS AT S		4.63	UNITARY PLAN W	E. E. DAVENPORT/L	
1093 /	CE SHUTTLE LAUNCH		UPERSONIC SPEEDS			IND TUNNEL	ARC	
LA43A/B	VEHICLE						J. W. BALL	
LA43B							R. H. LINDAHL	
TM-X							-DMS	
3315								

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	SUBSONIC AND TRAN	ORBITER-140A/B; S	FORCED-OSCILLATIO	FORCE	0.3 -	ROCKWELL/	D. C. FREEMAN, JR	DMS-DR-2200
8TPT -	SONIC DYNAMIC-STA	RB; ET;	N TESTS; MEASURED		1.2	LARC -	., R. P. BOYDEN,	OCT., 1976
677 /	BILITY CHARACTERI		WERE PITCH, ROLL			8-FOOT TRANSON	G. E. DAVENPORT/L	
LA44	STICS OF THE SPAC		, YAW DAMPING, NO			IC PRESSURE TU	ARC	
TM-X	E SHUTTLE LAUNCH		RMAL FORCE DUE TO			NNEL	J. W. BALL	
3336	VEHICLE		PITCH RATE, CROS				R. H. LINDAHL	
			S DERIVATIVES, YA				-DMS	
			WING MOMENT DUE T					
			O ROLL RATE, ROLL					
			ING MOMENT DUE TO					
			YAW RATE.					
UW -	MATED CARRIER AER	BOEING 747 CARRIE	TO PROVIDE AERODY	FORCE	0.04 /	BOEING /	R.D. KNUDSEN/BOEI	DMS-DR-2201
LSWT -	ODYNAMIC CHARACTE	R (MODEL TE 1065)	NAMIC CHARACTERIS		0.16 -	UW -	NG K.B. BUCANAN/B	DEC., 1981
1136 /	RISTICS INVESTIGA	SS ORBITER (MODEL	TICS FOR DEVELOPM		0.16	LOW SPEED WIND	OEING	
CA3	TION FOR 0.04-SCA	43-0)	ENT OF THE 747 AI			TUNNEL	R.L. HANSON/BOEIN	
CR-160,854	LE MODEL BOEING 7	747 CARRIER/ET (M	RCRAFT FOR ORBITE				G	
	47 CARRIER (MODEL	ODEL 1284-72)	R FERRY AND LAUNC				J. E. VAUGHN	
	TE 1065)/SS ORBI		H , TO PROVIDE TR				G. R. LUTZ	
	TER (MODEL 43-0)		ADE DATA FOR STAB				-DMS	
	AND 747 CARRIER/E		ILIZER SIZE AND L					
	T (MODEL 1284-72)		OCATION EFFECTS,					
	COMBINATIONS IN		AND TO PROVIDE DR					
	THE U. OF WASH. A		AG AND STABILITY					
	ERONAUTICAL LABOR		CHARACTERISTICS F					
	ATORY (UWAL) F.K.		OR THE AIRPLANE A					
	KIRSTEN WIND TUNN		ND EXTERNAL TANK					
	EL (CA3)		CONFIGURATION.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	SPACE SHUTTLE VEH	140A/B OUTER MOLD	TO DEFINE FERRY C	FORCE	0.26 -	ROCKWELL/	R. C. MENNELL/RI	DMS-DR-2202
LSWT -	ICLE FERRY CONFIG	LINE CONFIGURATI	ONFIGURATION AFTE		0.26	NRLAD -	R. H. LINDAHL	APRIL, 1975
731 /	URATION AFTERBODY	ON	RBODY FAIRING EFF			LOW SPEED WIND	-DMS	
OA123	FAIRING EFFECTS		ECTS ON ORBITER S			TUNNEL		
CR-141,526	ON 140A/B ORBITER		TABILITY AND CONT					
	AERODYNAMIC CHAR		ROL CHARACTERISTI					
	ACTERISTICS USING		CS AND TO SUBSTAN					
	AN .0405-SCALE M		TIATE WIND TUNNEL					
	ODEL ORBITER (43-		RESULTS OBTAINED					
	O) IN THE ROCKWEL		AT BOEING AEROSP					
	L INTERNATIONAL 7		ACE COMPANY					
	.75 X 11 FT LOW S							
	PEED WIND TUNNEL							
	(OA123)							
NRLAD -	RESULTS OF AN INV	140C OUTER MOLD L	TO DEFINE ORBITER	FORCE	0.0405 /	ROCKWELL/	M. T. HUGHES/RI	DMS-DR-2203
LSWT -	ESTIGATION OF ELE	INE CONFIGURATION	LOW SPEED ELEVON		0.20 -	NRLAD -	D. A. SARVER	APRIL, 1975
730 /	VON HINGE MOMENTS		/AILERON EFFECTIV		0.26	LOW SPEED WIND	R. B. LOWE	
OA119B	AND DUAL PANEL E		ENESS AND TO MEAS			TUNNEL	-DMS	
CR-141,524	LEVON EFFECTIVENE		URE INDIVIDUAL EL					
	SS USING AN .0405		EVON PANEL HINGE					
	-SCALE MODEL (16-		MOMENTS FOR THE C					
	O) OF THE CONFIGU		URRENT 6 INCH EL					
	RATION 140C SPACE		EVON/ELEVON AND E					
	SHUTTLE ORBITER		LEVON FUSELAGE GA					
	IN THE ROCKWELL I		PS WITH WING/ELEV					
	NTERNATIONAL NAAL		ON GAP SEALING FL					
	LOW SPEED WIND TU		APPER DOORS					
	NNEL (OA119B)							
LARC -	RESULTS OF TRANSO	OTS,140A/B	TO DETERMINE EFFE	FORCE	0.010 /	ROCKWELL/	M. T. PETROZZI, M	DMS-DR-2204
8TPT -	NIC WIND TUNNEL T		CTS OF CONF. BUIL		0.6 -	LARC -	. D. MILAN/ROCKWE	MAY, 1975
693 /	ESTS ON AN 0.010-		DUP, EFFECTS OF P		1.2	8-FOOT TRANSON	LL	
IA43	SCALE SPACE SHUTT		ROTUBERANCES, ET/			IC PRESSURE TU	B. J. FRICKEN	
CR-141,525	LE MATED VEHICLE		ORBITER FAIRINGS			NNEL	-DMS	
	MODEL 72-OTS IN T		AND ATTACH STRUCT					
	HE LARC 8-FOOT TP		URE , ELEVON DEFL					
	T (IA43)		ECTION EFFECTS ON					
			WING BENDING MOM					
			ENT					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - 22HT - 431 / 0A109 CR-141,532	RESULTS OF A 0.004-SCALE 140C MODIFIED CONFIGURATION SPACE SHUTTLE VEHICLE ORBITER MODEL (74-0) IN THE NASA/LANGLEY RESEARCH CENTER HYPERSONIC HELIUM TUNNEL (0A109)	RI SPACE SHUTTLE ORBITER VEHICLE 4(MODIFIED) CONFIGURATION NFIGURATION	TO DETERMINE STABILITY AND CONTROL CHARACTERISTICS AT M=20.	FORCE	0.004 / 19.0 - 21.6	ROCKWELL/ LARC - 22-INCH HELIUM TUNNEL	P. J. HAWTHORNE/RI D. A. SARVER R. B. LOWE -DMS	DMS-DR-2205 MAY, 1975
LARC - UPWT - 1088/1119/ IA44 CR-141,528	RESULTS OF INVESTIGATIONS ON AN 0.010-SCALE 140A/B CONFIGURATION (MODEL 72OTS) OF THE ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER IN THE NASA/LANGLEY RESEARCH CENTER UNITARY PLAN WIND TUNNEL (IA44)	0.010-SCALE OUTER MOLD LINE MODEL OF THE 140A/B CONFIGURATION	TO OBTAIN SIX-COMPONENT FORCE AND MOMENT DATA FOR THE MATED VEHICLE AT SUBSONIC AND TRANSONIC CONDITIONS;EFFECTS OF CONFIGURATION BUILD-UP;EFFECTS OF PROTURBERANCES,ET/ORBITER FAIRINGS AND ATTACK STRUCTURES;ELEVON DEFLECTION EFFECTS ON WING BENDING MOMENT	FORCE	.010 / 1.60 - 4.63	LARC / LARC - UNITARY PLAN WIND TUNNEL	M. T. PETROZZI, M. D. MILAM/RI R. H. LINDAHL -DMS	DMS-DR-2206 MAY, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - HRWT - 033 / SA29F CR-147,608	AN INVESTIGATION TO DETERMINE THE PRESSURE DISTRIBUTION ON THE 0.0137 SCALE SOLID ROCKET BOOSTER FOREBODY (MSFC MODEL 467) AT HIGH ANGLES OF ATTACK AT OR NEAR 90 DEGREES AND HIGH REYNOLDS NUMBERS IN THE MSFC HIGH REYNOLDS NUMBER WIND TUNNEL	MODEL 467, SRB NOSE CONE AND FORWARD CYLINDRICAL BODY	TO DETERMINE THE PRESSURE DISTRIBUTION OVER THE FORE-SECTION OF THE 146-INCH DIA. SRB	PRESSURE	0.4 - 0.6	MSFC / MSFC - HIGH REYNOLDS NUMBER WIND TUNNEL	P. E. RAMSEY/MSFC V. W. SPARKS -DMS	DMS-DR-2207 JULY, 1976
MSFC - 14TWT - 609 / TA3F CR-144,590	AN INVESTIGATION OF THE 0.0091SCALE EXTERNAL TANK OGIVE NOSE (MSFC MODEL 470) IN THE MSFC 14 INCH TWT TO DETERMINE THE PRESSURE DISTRIBUTION AROUND THE EXTERNAL TANK NOSE	MODEL NO. 470	TO DETERMINE THE PRESSURE DISTRIBUTION AROUND THE NOSE CAP	PRESSURE	0.0091 / .6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P. E. RAMSEY/MSFC G. W. WINKLER, T. C. DAVIS/NSI V. W. SPARKS M. M. MOSER JR. -DMS	DMS-DR-2208 VOLUME 01 JAN., 1976
MSFC - 14TWT - 609 / TA3F CR-144,591	AN INVESTIGATION OF THE 0.0091SCALE EXTERNAL TANK OGIVE NOSE (MSFC MODEL 470) IN THE MSFC 14 INCH TWT TO DETERMINE THE PRESSURE DISTRIBUTION AROUND THE EXTERNAL TANK NOSE	MODEL NO. 470	TO DETERMINE THE PRESSURE DISTRIBUTION AROUND THE NOSE CAP	PRESSURE	0.0091 / .6 - 4.96	MSFC / MSFC - 14-INCH TRISONIC WIND TUNNEL	P. E. RAMSEY/MSFC G. W. WINKLER, T. C. DAVIS/NSI V. W. SPARKS M. M. MOSER JR. -DMS	DMS-DR-2208 VOLUME 02 JAN., 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	RESULTS OF A SPAC	MODEL 43-O	INVESTIGATE AEROD	FORCE	.26 -	ROCKWELL/	R. C. MENNEL,F. F	DMS-DR-2209
LSWT -	E SHUTTLE VEHICLE		YNAMIC STABILITY		.26	NRLAD -	. FITZGERALD/ROCK	JUNE, 1975
736 /	FERRY CONFIGURAT		AND CONTROL CHARA			LOW SPEED WIND	WELL	
OA124	ION AFTERBODY FAI		CTERISTICS OF THE			TUNNEL -	R. B. LOWE	
CR-141,536	RING OPTIMIZATION		SSV FERRY CONFIG				-DMS	
	STUDY USING A 14		URATION					
	OA/B 0.0405-SCALE							
	MODEL ORBITER (4							
	3-O) IN THE ROCKW							
	ELL INTERNATIONAL							
	7.75 X 11.0 FT L							
	OW SPEED WIND TUN							
	NEL (OA124)							
ARC -	CONNECTIVE HEAT-T	15-O VIII (FLAT-P	TO DETERMINE EFFE	HEAT-TRANS	5.22 -	ROCKWELL/	T. F. FOSTER, W.	DMS-DR-2210
3.5HWT -	RANSFER TEST RESU	LATE CARRIER)	CTS OF SURFACE PR		5.24	ARC -	H. DYE/RI	JUNE, 1979
200 /	LTS FOR A GAP, CY		OTUBERANCES AND S			3.5-FOOT HYPER	W. K. LOCKMAN	
IH27	LINDRICAL-PROTUBE		HOCK IMPINGEMENT			SONIC WIND TUN	D.W.HERSEY	
CR-151,372	RANCE, AND SHOCK-		ON SURFACE HEATIN			NEL	J. E. VAUGHN	
	IMPINGEMENT FLAT-		G AND HEATING IN				-DMS	
	PLATE MODEL IN TH		SIMULATED TPS TIL					
	E NASA-AMES 3.5-F		E GAPS					
	OOT HYPERSONIC WI							
	ND TUNNEL (TEST I							
	H27, MODEL 15-O V							
	III)							
TBCA -	RESULTS OF A 0.03	0.03-SCALE AX 131	DETERMINE PERFORM	FORCE	0.03 /	BOEING /	R.D. KNUDSEN, J.	DMS-DR-2211
BTWT -	-SCALE AERODYNAMI	9 I-1 (CARRIER) M	ANCE,STABILITY,AN		0.15 -	TBCA -	AUGUSTYN, E. DICK	VOLUME 01
1431 /	C CHARACTERISTICS	ODEL	D CONTROL CHARACT		0.70	TRANSONIC WIND	SON/BOEING CO.	SEPT., 1975
CA5	INVESTIGATION OF	0.03-SCALE 45-O (	ERISTICS OF VARIO			TUNNEL	D. A. SARVER	
CR-141,800	A BOEING 747 CARR	ORBITER) MODEL	US CARRIER AIRCRA				R. H. LINDAHL	
	IER(MODEL NO. AX		FT CONFIGURATIONS				-DMS	
	1319 I-1) MATED W		;INVESTIGATE AERO					
	ITH A SPACE SHUTT		DYNAMIC CHARACTER					
	LE ORBITER (MODEL		ISTICS OF THE CAR					
	45-O) CONDUCTED		RIER MATED WITH T					
	IN THE BOEING TRA		HE ORBITER, CARRI					
	NSONIC WIND TUNNE		ER ALONE, AND					
	L (CA5)		ORBITER ALONE					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA -	RESULTS OF A 0.03	0.03-SCALE AX 131	DETERMINE PERFORM	FORCE	0.03 /	BOEING /	R.D. KNUDSEN, J.	DMS-DR-2211
BTWT -	-SCALE AERODYNAMI	9 I-1 (CARRIER) M	ANCE,STABILITY,AN		0.15 -	TBCA -	AUGUSTYN, E. DICK	VOLUME 02
1431 /	C CHARACTERISTICS	ODEL	D CONTROL CHARACT		0.70	TRANSONIC WIND	SON/BOEING CO.	SEPT., 1975
CA5	INVESTIGATION OF	0.03-SCALE 45-O (	ERISTICS OF VARIO			TUNNEL	D. A. SARVER	
CR-141,803	LE ORBITER (MODEL	ORBITER) MODEL	US CARRIER AIRCRA				R. H. LINDAHL	
	45-O) CONDUCTED		FT CONFIGURATIONS				-DMS	
	IN THE BOEING TRA		;INVESTIGATE AERO					
	NSONIC WIND TUNNE		DYNAMIC CHARACTER					
	L (CA5)		ISTICS OF THE CAR					
			RIER MATED WITH T					
			HE ORBITER,CARRIE					
			R ALONE,AND ORBIT					
			ER ALONE					
TBCA -	RESULTS OF A 0.03	0.03-SCALE AX-131	DETERMINE PERFORM	FORCE	0.03 /	BOEING /	R.D. KNUDSEN, J.	DMS-DR-2211
BTWT -	-SCALE AERODYNAMI	9 I-1(CARRIER) MO	ANCE,STABILITY,AN		0.15 -	TBCA -	AUGUSTYN, E. DICK	VOLUME 03
1431 /	C CHARACTERISTICS	DEL	D CONTROL CHARACT		0.70	TRANSONIC WIND	SON/BOEING CO.	SEPT., 1975
CA5	INVESTIGATION OF	0.03-SCALE 45-O (	ERISTICS OF VARIO			TUNNEL	D. A. SARVER	
CR-141,804	A BOEING 747 CARR	ORBITER) MODEL	US CARRIER AIRCRA				R. H. LINDAHL	
	IER(MODEL NO. AX-		FT CONFIGURATIONS				-DMS	
	1319 I-1) MATED W		;INVESTIGATE AERO					
	ITH A SPACE SHUTT		DYNAMIC CHARACTER					
	LE ORBITER (MODEL		ISTICS OF THE CAR					
	45-O) CONDUCTED		RIER MATED WITH T					
	IN THE BOEING TRA		HE ORBITER,CARRIE					
	NSONIC WIND TUNNE		R ALONE,AND ORBIT					
	L (CA5)		ER ALONE					
ARC -	INVESTIGATIONS OF	LAUNCH VEHICLE 5	DETERMINE INTEGRA	FORCE	0.020 /	ROCKWELL/	M. E. NICHOLS/RI	DMS-DR-2212
11TWT -	THE 0.020-SCALE		TED VEHICLE SURFA	PRESSURE	0.6 -	ARC -	C. R. EDWARDS	VOLUME 01
023 /	88-OTS INTEGRATED		CE-PRESSURE DISTR		1.4	11-FOOT TRANSO	-DMS	OCT., 1976
IA80	SPACE SHUTTLE		IBUTIONS, ELEVON			NIC WIND TUNNE		
CR-147,632	VEHICLE JET-PLUME		AND RUDDER HINGE			L (UNITARY)		
	MODEL IN THE NAS		MOMENTS, AND WING					
	A/AMES RESEARCH C		AND VERTICAL-TAI					
	ENTER 11X11-FOOT		L ROOT BENDING					
	UNITARY PLAN WIND		AND TORSIONAL MOM					
	TUNNEL (IA80)		ENTS DUE TO MPS A					
			ND SRB PLUME INTE					
			RACTIONS					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 023 / IA80 CR-147,633	INVESTIGATIONS OF THE 0.020-SCALE 88-OTS INTEGRATED SPACE SHUTTLE VEHICLE JET-PLUME MODEL IN THE NASA/AMES RESEARCH CENTER 11X11-FOOT UNITARY PLAN WIND TUNNEL (IA80)	LAUNCH VEHICLE 5	DETERMINE INTEGRATED VEHICLE SURFACE-PRESSURE DISTRIBUTIONS, ELEVON AND RUDDER HINGE MOMENTS, AND WING AND VERTICAL-TAIL ROOT BENDING AND TORSIONAL MOMENTS DUE TO MPS AND SRB PLUME INTERACTIONS	FORCE PRESSURE	0.020 / 0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	M. E. NICHOLS/RI C. R. EDWARDS -DMS	DMS-DR-2212 VOLUME 02 OCT., 1976
ARC - 11TWT - 023 / IA80 CR-147,634	INVESTIGATIONS OF THE 0.020-SCALE 88-OTS INTEGRATED SPACE SHUTTLE VEHICLE JET-PLUME MODEL IN THE NASA/AMES RESEARCH CENTER 11X11-FOOT UNITARY PLAN WIND TUNNEL (IA80)	LAUNCH VEHICLE 5	DETERMINE INTEGRATED VEHICLE SURFACE-PRESSURE DISTRIBUTIONS, ELEVON AND RUDDER HINGE MOMENTS, AND WING AND VERTICAL-TAIL ROOT BENDING AND TORSIONAL MOMENTS DUE TO MPS AND SRB PLUME INTERACTIONS	FORCE PRESSURE	0.020 / 0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	M. E. NICHOLS/RI C. R. EDWARDS -DMS	DMS-DR-2212 VOLUME 03 OCT., 1976
ARC - 11TWT - 023 / IA80 CR-147,635	INVESTIGATIONS OF THE 0.020-SCALE 88-OTS INTEGRATED SPACE SHUTTLE VEHICLE JET-PLUME MODEL IN THE NASA/AMES RESEARCH CENTER 11X11-FOOT UNITARY PLAN WIND TUNNEL (IA80)	LAUNCH VEHICLE 5	DETERMINE INTEGRATED VEHICLE SURFACE-PRESSURE DISTRIBUTIONS, ELEVON AND RUDDER HINGE MOMENTS, AND WING AND VERTICAL-TAIL ROOT BENDING AND TORSIONAL MOMENTS DUE TO MPS AND SRB PLUME INTERACTIONS	FORCE PRESSURE	0.020 / 0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	M. E. NICHOLS/RI C. R. EDWARDS -DMS	DMS-DR-2212 VOLUME 04 OCT., 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - HNT - 30-31 / OA89 CR-141,513	RESULTS OF INVESTIGATIONS ON AM O.004-SCALE 140C MODIFIED CONFIGURATION SPACE SHUTTLE VEHICLE ORBITER MODEL (74-0) IN THE NASA/LANGLEY RESEARCH CENTER HYPERSONIC NITROGEN TUNNEL (OA89)	140C MODIFIED SPACE SHUTTLE ORBITER MODEL 74-0	OBTAIN HYPERSONIC LONGITUDINAL AND LATERAL-DIRECTIONAL STABILITY AND CONTROL CHARACTERISTICS OF THE UPDATED SSV CONFIGURATION IN AN INITIALLY DIATOMIC MEDIUM	FORCE	0.004 / 19.8 - 19.8	ROCKWELL/ LARC - HYPERSONIC NITROGEN TUNNEL	P.J. HAWTHORNE/RI W.C. WOODS/LARC G. G. MCDONALD -DMS	DMS-DR-2214 APRIL, 1975
LTV - HSWT - 512 / LA58 CR-144,592	UPPER WING SURFACE BOUNDARY LAYER MEASUREMENTS AND STATIC AERODYNAMIC DATA OBTAINED ON AN 0.015-SCALE MODEL OF THE SSV ORBITER CONFIGURATION 140A/B IN THE LTV ASWT AT A MACH NUMBER OF 4.6 (LA58)	SSV ORBITER CONFIGURATION 140A/B-O.015 SCALE	TO INVESTIGATE THE NATURE OF THE ORBITER BOUNDARY LAYER CHARACTERISTICS AT ANGLES OF ATTACK FROM -4 TO 32 DEGREES AT A MACH NUMBER OF 4.6.THE EFFECT OF LARGE GRIT WERE INVESTIGATED PLUS EFFECTS OF LARGE NEGATIVE ELEVON DEFLECTION ON LEE-SIDE SEPARATION.	FORCE	4.6 - 4.6	LARC / LTV - HIGH SPEED WIND TUNNEL	BENARD SPENCER,JR.,R.L. STALLINGS,JR.,LARC;T.C. POPE,LTV R. H. LINDAHL -DMS	DMS-DR-2215 FEB., 1976
LARC - UPWT - 1115 / SH12F CR-141,802	RESULTS OF AEROTHERMODYNAMIC HEATING TEST ON A 0.013 SCALE MODEL SOLID ROCKET BOOSTER IN THE NASA/LARC UNITARY PLAN WIND TUNNEL (SH12F)	SRB	OBTAIN AERODYNAMIC HEATING DATA ON SRB	HEAT-TRANS	0.013 / 3.7 - 3.7	MSFC / LARC - UNITARY PLAN WIND TUNNEL	E. B. BREWER/MSFC J.T.DAVIET -DMS	DMS-DR-2216 AUGUST, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA -	AERODYNAMIC RESLL	0.03-SCALE 45-0 M	ORBITER CONFIGURA	FORCE	0.003 ,	BOEING /	T. DZIUBALA,V. ES	DMS-DR-2217
BTWT -	TS OF A SEPARATIO	ODIFIED SSV ORBIT	TION 140A/B AND 7		R 0.003 /	TBCA -	PARZA,R. L. GILLI	VOLUME 01
1431 /	N TEST(CA20) COND	ER 140A/B	47 CARRIER MODELS		0.30 -	TRANSONIC WIND	NS,M. PETROZZI,RI	JAN., 1976
CA20	UCTED AT THE BOEI	0.03-SCALE 747 CA	WERE TESTED TO P		0.60	TUNNEL	C. R. MULLEN,BOEI	
CR-141,844	NG TRANSONIC WIND	RRIER MODEL	ROVIDE SIX-COMPON				NG AEROSPACE	
	TUNNEL USING 0.0		ENT FORCE AND MOM				D. A. SARVER	
	30-SCALE MODELS O		ENT DATA FOR EACH				R. H. LINDAHL	
	F THE CONFIGURATI		VEHICLE IN PROXI				-DMS	
	ON 140A/B (MODIFI		MITY TO THE OTHER					
	ED) SSV ORBITER (		AT A MATRIX OF T					
	MODEL NO. 45-0) A		EST CONDITIONS AN					
	ND THE BEOING 747		D TO DETERMINE OR					
	CARRIER (MODEL NO		BITER TARE EFFECT					
	. AX 1319 I-1)		S TO OBTAIN SUPPO					
			RT-FREE AERODYNAM					
			ICS.					
TBCA -	AERODYNAMIC RESUL	0.03-SCALE 45-0 M	ORBITER CONFIGURA	FORCE	0.003 ,	BOEING /	T. DZIUBALA,V. ES	DMS-DR-2217
BTWT -	TS OF A SEPARATIO	ODIFIED SSV ORBIT	TION 140A/B AND 7		R 0.003 /	TBCA -	PARZA,R. L. GILLI	VOLUME 02
1431 /	N TEST(CA20) COND	ER 140A/B	47 CARRIER MODELS		0.30 -	TRANSONIC WIND	NS,M. PETROZZI,RI	JAN., 1976
CA20	UCTED AT THE BOEI	0.03-SCALE 747 CA	WERE TESTED TO P		0.60	TUNNEL	C. R. MULLEN,BOEI	
CR-141,845	NG TRANSONIC WIND	RRIER MODEL	ROVIDE SIX-COMPON				NG AEROSPACE	
	TUNNEL USING 0.0		ENT FORCE AND MOM				D. A. SARVER	
	30-SCALE MODELS O		ENT DATA FOR EACH				R. H. LINDAHL	
	F THE CONFIGURATI		VEHICLE IN PROXI				-DMS	
	ON 140A/B (MODIFI		MITY TO THE OTHER					
	ED) SSV ORBITER (		AT A MATRIX OF T					
	MODEL NO. 45-0) A		EST CONDITIONS AN					
	ND THE BEOING 747		D TO DETERMINE OR					
	CARRIER (MODEL NO		BITER TARE EFFECT					
	. AX 1319 I-1)		S TO OBTAIN SUPPO					
			RT-FREE AERODYNAM					
			ICS.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA -	AERODYNAMIC RESUL	0.03-SCALE 45-0 M	ORBITER CONFIGURA	FORCE	0.003 ,	BOEING /	T. DZIUBALA,V. ES	DMS-DR-2217
BTWT -	TS OF A SEPARATIO	ODIFIED SSV ORBIT	TION 140A/B AND 7		R 0.003 /	TBCA -	PARZA,R. L. GILLI	VOLUME 03
1431 /	N TEST(CA20) COND	ER 140A/B	47 CARRIER MODELS		0.30 -	TRANSONIC WIND	NS,M. PETROZZI,RI	JAN., 1976
CA20	UCTED AT THE BOEI	0.03-SCALE 747 CA	WERE TESTED TO P		0.60	TUNNEL	C. R. MULLEN,BOEI	
CR-141,846	NG TRANSONIC WIND	RRIER MODEL	ROVIDE SIX-COMPON				NG AEROSPACE	
	TUNNEL USING 0.0		ENT FORCE AND MOM				D. A. SARVER	
	30-SCALE MODELS O		ENT DATA FOR EACH				R. H. LINDAHL	
	F THE CONFIGURATI		VEHICLE IN PROXI				-DMS	
	ON 140A/B (MODIFI		MITY TO THE OTHER					
	ED) SSV ORBITER (		AT A MATRIX OF T					
	MODEL NO. 45-0) A		EST CONDITIONS AN					
	ND THE BEOING 747		D TO DETERMINE OR					
	CARRIER (MODEL NO		BITER TARE EFFECT					
	. AX 1319 I-1)		S TO OBTAIN SUPPO					
			RT-FREE AERODYNAM					
			ICS.					
AEDC -	PRESSURE AND HEAT	EXTERNAL TANK	TO OBTAIN BASIC H	HEAT-TRANS	0.38 -	MSFC /	L. G. SILER, A. H	DMS-DR-2218
HWTF -	TRANSFER TESTS R		EATING AND PRESSU		1.10	AEDC -	. BOUDREAU/ARO	SEPT., 1977
25A /	ESULTS ON THE SP		RE DISTRIBUTION D			HYPERVELOCITY	H. R. CARROLL/MMC	
TH1F	ACE SHUTTLE 0.015		ATA ON ET			WIND TUNNEL (F	J. E. VAUGHN	
CR-151,367	-SCALE EXTERNAL T					)	-DMS	
	ANK AT MACH 16 IN							
	AEDC TUNNEL F							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN INV	LAUNCH VEHICLE 5	DEFINE THE BASE P	FORCE	0.010 /	ROCKWELL/	P. J. HAWTHORNE/R	DMS-DR-2219
87SWT -	ESTIGATION OF JET		RESSURE ENVIRONME	PRESSURE	2.50 -	ARC -	I	VOLUME 01
044 /	PLUME EFFECTS ON		NT OF THE FIRST A		3.50	8-FOOT BY 7-FO	M. M. MANN	APRIL, 1976
IA82C	AN 0.010-SCALE		ND SECOND STAGE			OT SUPERSONIC	-DMS	
CR-144,597	MODEL (75-OTS) OF		MATED VEHICLE IN			WIND TUNNEL (U		
	THE SPACE SHUTTL		A SUPERSONIC FLOW			NITARY)		
	E INTEGRATED VEHI		FIELD FROM MACH					
	CLE IN THE 8- BY		2.50 THROUGH 3.50					
	7-FOOT LEG OF THE		WITH SIMULATED RO					
	NASA/AMES UNITAR		CKET ENGINE EXHAU					
	Y WIND TUNNEL (IA		ST PLUMES. DETERM					
	82C)		INE PRESSURE ENVI					
			RONMENT OF THE OR					
			BITER AT VARIOUS					
			VENT PORT LOCATIO					
			NS.					
ARC -	RESULTS OF AN INV	LAUNCH VEHICLE 5	DEFINE THE BASE P	FORCE	0.010 /	ROCKWELL/	P. J. HAWTHORNE/R	DMS-DR-2219
87SWT -	ESTIGATION OF JET		RESSURE ENVIRONME	PRESSURE	2.50 -	ARC -	I	VOLUME 02
044 /	PLUME EFFECTS ON		NT OF THE FIRST A		3.50	8-FOOT BY 7-FO	M. M. MANN	APRIL, 1976
IA82C	AN 0.010-SCALE		ND SECOND STAGE			OT SUPERSONIC	-DMS	
CR-144,598	MODEL (75-OTS) OF		MATED VEHICLE IN			WIND TUNNEL (U		
	THE SPACE SHUTTL		A SUPERSONIC FLOW			NITARY)		
	E INTEGRATED VEHI		FIELD FROM MACH					
	CLE IN THE 8- BY		2.50 THROUGH 3.50					
	7-FOOT LEG OF THE		WITH SIMULATED RO					
	NASA/AMES UNITAR		CKET ENGINE EXHAU					
	Y WIND TUNNEL (IA		ST PLUMES. DETERM					
	82C)		INE PRESSURE ENVI					
			RONMENT OF THE OR					
			BITER AT VARIOUS					
			VENT PORT LOCATIO					
			NS.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	SPACE SHUTTLE ORB	140 A/B SPACE SHU	EFFECTS OF WING P	FORCE	0.01 /	LARC /	W.P.PHILLIPS/LARC	DMS-DR-2220
20HT6 -	ITER TRIMMED CENT	TTLE ORBITER	LANFORM FILLET, C		5.97-	LARC -	D. E. POUCHER	VOLUME 08
6458 /	ER-OF-GRAVITY EXT		ANARD, AND FUSELA		5.97	20-INCH HYPERS	J. L. GLYNN	DEC., 1984
LA52	ENSION STUDY: VOL		GE FOREBODY CAMBE			ONIC TUNNEL (M	-DMS	
TM-X	UME VIII - EFFECT		R MODIFICATIONS O			ACH 6)		
72661	S OF CONFIGURATIO		N THE AERODYNAMIC					
	N MODIFICATIONS O		CHARACTERISTICS					
	N THE AERODYNAMIC							
	CHARACTERISTICS							
	OF THE 140 A/B OR							
	BITER AT A MACH N							
	UMBER OF 5.97							
NRLAD -	INVESTIGATION OF	140C CONFIGURATIO	TO DEFINE ORBITER	PRESSURE	.0405 /	ROCKWELL/	R.B.RUSSELL/ R. I	DMS-DR-2221
LSWT -	SPACE SHUTTLE VEH	N ORBITER (MODEL	WHEEL WELL PRESS		.20 -	NRLAD -	.	JULY, 1975
737 /	ICLE 140C CONFIGU	16-O)	URE LOADING AND I		.23	LOW SPEED WIND	R.C. MENNELL/ R.	
OA143	RATION ORBITER		TS EFFECT ON LAND			TUNNEL	I.	
CR-141,548	(MODEL 16-O) WHEE		ING GEAR THERMAL				D. A. SARVER	
	L WELL PRESSURE L		INSULATION; TO IN				W. B. MEINDERS	
	OADS IN THE ROCKW		VESTIGATE THE PRE				-DMS	
	ELL INTERNATIONAL		SSURE ENVIRONMENT					
	7.75 X 11 FOOT W		FOR THE HORIZONTA					
	IND TUNNEL (OA14		L FLIGHT NOSE PRO					
	3)		BE AND AIR VENT D					
			OOR PROBES.					
AEDC -	RESULTS FROM A CO	B25C10M4F10E26R5V	RE-ENTRY CONVECTI	HEAT-TRANS	0.0175 /	ROCKWELL/	B.J. HERRERA/ROCK	DMS-DR-2222
HWTB -	NVECTIVE HEAT-TRA	7W116	VE HEAT TRANSFER		8.0 -	AEDC -	WELL INTERNATIONA	VOLUME 01
57A /	NSFER-RATE DISTRI		RATES ON THE ORBI		8.0	HYPERSONIC WIN	L	OCT., 1976
OH49B	BUTION TEST ON A		TER			D TUNNEL (B)	J. E. VAUGHN	
CR-147,626	0.0175 SCALE MODE						-DMS	
	L(22-O) OF THE RO							
	CKWELL INTERNATIO							
	NAL VEHICLE 4 SPA							
	CE SHUTTLE CONFIG							
	URATION IN THE AE							
	DC-VKF TUNNEL B(O							
	H49B)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS FROM A CO	B25C1OM4F1OE26R5V	RE-ENTRY CONVECTI	HEAT-TRANS	0.0175 /	ROCKWELL/	B.J. HERRERA/ROCK	DMS-DR-2222
HWTB -	NVECTIVE HEAT-TRA	7W116	VE HEAT TRANSFER		8.0 -	AEDC -	WELL INTERNATIONA	VOLUME 02
57A /	NSFER-RATE DISTRI		RATES ON THE ORBI		8.0	HYPERSONIC WIN	L	NOV., 1976
OH49B	BUTION TEST ON A		TER			D TUNNEL (B)	J. E. VAUGHN	
CR-147,627	0.0175 SCALE MODE						-DMS	
	L(22-0) OF THE RO							
	CKWELL INTERNATIO							
	NAL VEHICLE 4 SPA							
	CE SHUTTLE CONFIG							
	URATION IN THE AE							
	DC-VKF TUNNEL B(O							
	H49B)							
MSFC -	REENTRY STATIC ST	ORB.W/ ATTACH RIN	TO ESTABLISH STAT	FORCE	0.4 -	MSFC /	J. D. JOHNSON/MSF	DMS-DR-2223
14TWT -	ABILITY CHARACTER	G,AFT RING,W/AND	IC STABILITY CHAR		4.45	MSFC -	C	JULY, 1975
604 /	ISTICS OF A .0054	W/O PROTUBERANCES	ACTERISTICS OF SR			14-INCH TRISON	S. C. PRAHARAJ, W	
SA8F	79 SCALE MODEL 14	, NOSE CAP	B DURING REENTRY			IC WIND TUNNEL	. F. BRADDOCK/NSI	
CR-141,549	6-INCH SOLID ROCK	ORB.W/ ALL PROTUB					R. B. LOWE	
	ET BOOSTER TESTED	ERANCES;					-DMS	
	IN THE NASA/MSFC	ORB.W/O HEAT SHIE						
	14X14 INCH TWT	LD						
LARC -	RESULTS OF A DRAG	72-OTS (ORB., ET,	INVESTIGATION OF	FORCE	0.010 /	LARC /	BERNARD SPENCER,J	DMS-DR-2224
LARC -	REDUCTION INVEST	SRM)	SPACE SHUTTLE LAU		0.6 -	LARC -	R./LARC	MARCH, 1978
699 /	IGATED ON AN 0.01		NCH VEHICLE DRAG		1.2	NASA LANGLEY R	GEORGE M. WARE/LA	
8TPT -	O-SCALE MODEL OF		REDUCTION AT MACH			ESEARCH CENTER	RC	
LA56	THE SPACE SHUTTLE		NUMBERS 0.35 TO 1			8-FOOT TRANSON	J. W. BALL	
CR-147,650	VEHICLE 72-OTS L		.20			IC PRESSURE TU	G. G. MCDONALD	
	AUNCH CONFIGURATI					NNEL	-DMS	
	ON TESTED IN THE							
	LARC 8-FOOT TRANS							
	ONIC PRESSURE TUN							
	NEL FOR THE MACH							
	RANGE OF 0.35 TO							
	1.20 (LA56)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	PHASE CHANGE PAIN	MODEL 21-O, LINES	TO EVALUATE AEROD	HEAT-TRANS	0.0175 /	RI /	M. QUAN,C. W. CRA	DMS-DR-2225
HWTB -	T TESTS TO INVEST	VL70-000139	YNAMIC HEATING EF		8 -	AEDC -	IG/RI	MARCH, 1975
VA352 /	IGATE EFFECTS OF		FECTS OF TILES IN		8	HYPERSONIC WIN	D. A. SARVER	
OH4C	TPS TILES ON HEAT		THE TPS. TILE GA			D TUNNEL (B)	M. M. MOSER JR.	
CR-141,505	ING RATES OF THE		P DEPTH AND ORIEN				-DMS	
	ROCKWELL SPACE SH		TATION TO THE FLO					
	UTTLE ORBITER (TE		W WERE INVESTIGAT					
	ST OH4C, MODEL 21		ED.					
	-O)							
AEDC -	RESULTS OF FLOW V	SPACE SHUTTLE VEH	OIL FLOW VISUALIZ	FORCE	3.75-	RI /	J.J.DAILEDA/ROCKW	DMS-DR-2226
SWTA -	ISUALIZATION TEST	ICLE CONFIGURATIO	ATION		5.03	AEDC -	ELL	FEB., 1975
VA422 /	S OF 0.010-SCALE	N 3 MODEL 32-OTS				SUPERSONIC WIN	W.R.MARTINDALE/AR	
21AA /	SPACE SHUTTLE	SPACE SHUTTLE ORB				D TUNNEL (A)	O,INC.	
IA61B	MODELS 32-OTS AND	ITER MODEL 52-O					D. A. SARVER	
CR-141,507	52-O IN THE AEDC						G. G. MCDONALD	
	VKF TUNNEL A (IA						-DMS	
	61B)							
MSFC -	RESULTS OF EXPERI	ORB./W/ET AND SRB	EFFECTIVENESS OF	FORCE	0.0040 /	RI /	E. C. ALLEN/R. I.	DMS-DR-2227
14TWT -	MENTAL TESTS IN T	740TS; ORB. W/ET	SEVERAL LOAD RELI		0.60 -	MSFC -	D.B. WATSON	NOV., 1975
610 /	HE MSFC 14X14 INC	AND SRB'S 770, 7	EF SCHEMES ON WIN		1.96	14-INCH TRISON	-DMS	
IA71	H TRISONIC TUNNEL	4TS	G TORSIONAL AND B			IC WIND TUNNEL		
CR-141,806	ON A .004 SCALE M		ENDING MOMENTS AT					
	ODEL SPACE SHUTTL		SUBSONIC + SUPER					
	E INTEGRATED VEHI		SONIC MACH NO'S E					
	CLE 5 (MODEL 77-O		NCOUNTERED DURING					
	, 74-TS) TO RELIE		LAUNCH					
	VE WING LOADS DUR							
	ING ASCENT (IA71)							
LARC -				FORCE		LARC /	D.B. WATSON	DMS-DR-2228
UPWT -						LARC -	-DMS	TO LRC
1092/1117/						UNITARY PLAN W		
1117 /						IND TUNNEL		
LA46A/B								

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	RESULTS OF FLOW-V	SSV 140A/B	TO DETERMINE SEPA	FORCE	0.015 /	ROCKWELL/	M. E. NICHOLS/RI	DMS-DR-2229
8TPT -	ISUALIZATION INVE		RATION ZONES, FLO		0.6 -	LARC -	D. A. SARVER	FEB., 1975
687 /	STIGATIONS ON A O		W-RECIRCULATION R		1.2	8-FOOT TRANSON	G. G. MCDONALD	
0A102	.015-SCALE MODIFI		EGIONS, AND POTEN			IC PRESSURE TU	-DMS	
CR-141,508	ED CONFIGURATION		TIAL VENTING AND			NNEL		
	140A/B SPACE SHUT		CONTAMINANT-INGES					
	TLE VEHICLE ORBIT		TION PROBLEM AREA					
	ER (MODEL 36-O) I		S					
	N THE LANGLEY RES							
	EARCH CENTER							
AEDC -	RESULTS OF OIL FL	ORBITER-TANK MATE	TO INVESTIGATE AE	FORCE	0.010 /	ROCKWELL/	J. J. DAILEDA/RI	DMS-DR-2230
HWTB -	OW VISUALIZATIONS	D, MODEL 52-OT	RODYNAMIC FLOW PA		7.95 -	AEDC -	D. A. SARVER	FEB., 1975
VA422 /	TESTS OF AN 0.01		TTERNS USING OIL		7.95	HYPERSONIC WIN	G. G. MCDONALD	
IA17B	O-SCALE MODEL (52		FLOW TECHNIQUES			D TUNNEL (B)	-DMS	
CR-141,509	-OT) OF THE SPACE							
	SHUTTLE ORBITER-							
	TANK MATED AND OR							
	BITER CONFIGURATI							
	ONS IN THE AEDC V							
	KF TUNNEL B (IA17							
	B)							
ARC -	RESULTS OF AN INV	LAUNCH VEHICLE 5	DEFINE THE BASE P	FORCE	0.010 /	ROCKWELL/	P. J. HAWTHORNE/R	DMS-DR-2231
97SWT -	ESTIGATION OF JET		RESSURE ENVIRONME	PRESSURE	1.55 -	ARC -	I	VOLUME 01
044 /	PLUME EFFECTS ON		NT OF THE FIRST A		2.20	9-FOOT BY 7-FO	M. M. MANN	APRIL, 1976
IA82B	AN 0.010-SCALE		ND SECOND STAGE			OT SUPERSONIC	-DMS	
CR-144,601	MODEL (75-OTS) OF		MATED VEHICLE IN			WIND TUNNEL (U		
	THE SPACE SHUTTL		A SUPERSONIC FLOW			NITARY)		
	E INTEGRATED VEHI		FIELD FROM MACH					
	CLE IN THE 9- BY		1.55 THROUGH 2.20					
	7-FOOT LEG OF THE							
	NASA/AMES UNITAR							
	Y WIND TUNNEL (IA							
	82C)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 97SWT - 044 / IA82B CR-144,602	RESULTS OF AN INVESTIGATION OF JET PLUME EFFECTS ON AN 0.010-SCALE MODEL (75-OTS) OF THE SPACE SHUTTLE INTEGRATED VEHICLE IN THE 9- BY 7-FOOT LEG OF THE NASA/AMES UNITARY WIND TUNNEL (IA82C)	LAUNCH VEHICLE 5	DEFINE THE BASE PRESSURE ENVIRONMENT OF THE FIRST AND SECOND STAGE MATED VEHICLE IN A SUPERSONIC FLOW FIELD FROM MACH 1.55 THROUGH 2.20	FORCE PRESSURE	0.010 / 1.55 - 2.20	ROCKWELL/ ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	P. J. HAWTHORNE/RI M. M. MANN -DMS	DMS-DR-2231 VOLUME 02 APRIL, 1976
MSFC - 14TWT - 607 / OA131 CR-141,521	RESULTS OF INVESTIGATIONS ON THE 0.004-SCALE MODEL 74-O OF THE CONFIGURATION 4 (MODIFIED) SPACE SHUTTLE VEHICLE ORBITER IN THE NASA/MSFC 14-BY-14-INCH TRISONIC WIND TUNNEL (OA131)	MODEL 74-O, CONF.4	TO DETERMINE BOUNDARY-LAYER SEPARATION AND REGIONS OF POTENTIAL APU EXHAUST RECIRCULATION DURING TRANSONIC AND LOW SUPERSONIC RE-ENTRY FLIGHT	FORCE	0.004 / 0.60 - 2.75	ROCKWELL/ MSFC - 14-INCH TRISONIC WIND TUNNEL	M. E. NICHOLS/RI D. A. SARVER M. M. MOSER JR. -DMS	DMS-DR-2232 JUNE, 1975
LARC - 8TPT - 703 / LA59 CR-151,068	RESULTS OF A DRAG REDUCTION INVESTIGATION ON AN 0.010-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 72-OTS LAUNCH CONFIGURATION TESTED IN THE LARC 8-FOOT TRANSONIC PRESSURE TUNNEL FOR THE MACH RANGE OF 0.3K TO 1.20	72-OTS (B26C9E44F10FL10/11M16N28/86PS1-SR5S21T2,V8W116	TO DETERMINE EFFECTS OF VARIOUS CONFIGURATIONAL COMPONENTS ON TOTAL DRAG OF VEH. 5	FORCE	0.35 - 1.20	LARC / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL	B. SPENCER, JR., G. M. WARE/LARC J. E. VAUGHN M. M. MOSER JR. -DMS	DMS-DR-2233 JUNE, 1977

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN -	WIND TUNNEL TEST	ORBITER WITH ELEV	OBTAIN VISCOUS IN	FORCE	0.010 /	ROCKWELL/	RICK BURROWS,JOHN	DMS-DR-2234
48HST -	OA113 OF THE 0.01	ON AND BODY FLAP	TERACTION EFFECTS		10.0 -	CALSPAN -	MARROQUIN/R.I.	JULY, 1975
I84-220 /	O-SCALE SPACE SHU	DEFLECTIONS	ON STABILITY DER		16.0	48-INCH HYPERS	C. E. ROGERS/CALS	
OA113	TTLE ORBITER MODE		IVATIVES OVER THE			ONIC SHOCK TUN	PAN CORP.	
CR-141,547	L 51-O IN THE CAL		RE-ENTRY MACH SPE			NEL	D. A. SARVER	
	SPAN HYPERSONIC S		CTRUM TOGETHER WI				J. E. VAUGHN	
	HOCK TUNNEL (48-I		TH SCHLIEREN PHOT				-DMS	
	NCH LEG)		OS AND PRESSURE D					
			ATA UTILIZED TO E					
			VALUATE FLOW SEPA					
			RATION PHENOMENA					
MSFC -	REENTRY AERODYNAM	SRB W/O HEAT SHIE	TO DETERMINE AERO	FORCE	1.95 -	MSFC /	J. D. JOHNSON/MSF	DMS-DR-2235
14TWT -	IC FORCES AND MOM	LD, W/HEAT SHIELD	DYNAMIC FORCES AN		3.48	MSFC -	C	NOV., 1975
611 /	ENTS ON THE ENGIN	ON SKIRT, W/HEAT	D MOMENTS IMPOSED			14-INCH TRISON	W. F. BRADDOCK/NS	
SA30F	E NOZZLE OF THE 1	SHIELD ON NOZZLE	ON SRB NOZZLE DU			IC WIND TUNNEL	I	
CR-141,810	46-INCH SOLID ROC		RING REENTRY				V. W. SPARKS	
	KET BOOSTER NODEL						M. M. MOSER JR.	
	473 IN MSFC 14 X						-DMS	
	14 INCH TRISONIC							
	WIND TUNNEL (SA30							
	F)							
UW -	MATED AERODYNAMIC	BOEING 747 MATED	TO DETERMINE AIRL	FORCE	0.04 /	BOEING /	R.D.KNUDSEN/BOEIN	DMS-DR-2236
LSWT -	CHARACTERISTICS	WITH AN EXTERNAL	OADS FOR SELECTED		.15 -	UW -	G	DEC., 1975
1146 /	INVESTIGATION FOR	TANK	CONFIGURATIONS A		.15	LOW SPEED WIND	R.W.SENDER/BOEING	
CA11	0.04 SCALE MODEL	BOEING 747 ALONE	ND DETERMINE EFFE			TUNNEL	D. A. SARVER	
CR-141,835	BOEING 747 CAM/EX		CTIVENESS OF ET P				W. B. MEINDERS	
	TERNAL TANK (MODE		OSITION, ET INCID				-DMS	
	L AX1284 E-5) COM		ENCE, SUPPORT STR					
	BINATION IN THE		UCTURE AND 747 VE					
	UNIVERSITY OF WAS		RTICAL STABILIZIN					
	HINGTON AERONAUTI		G SURFACES ON STA					
	CAL LABORATORY F.		BILITY, CONTROL A					
	K. KIRSTEN WIND T		ND PERFORMANCE OF					
	UNNEL (CA11)		747/ET COMBINATIO					
			NS					

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CALSPAN -	RESULTS OF WIND T	51-0	TO DETERMINE EFFE	FORCE	0.010 /	ROCKWELL/	J. J. DAILEDA, J.	DMS-DR-2238
48HST -	UNNEL RCS INTERAC		CTS OF RCS JET/FL		9.60 -	CALSPAN -	MARROQUIN/RI	NOV., 1976
I84-120 /	TION TESTS ON A O		OW FIELD INTERACT		10.75	48-INCH HYPERS	C. E. ROGERS/CALS	
OA93	.010-SCALE SPACE		IONS ON SSV AERO.			ONIC SHOCK TUN	PAN CORP.	
CR-141,847	SHUTTLE ORBITER M		STABILITY AND CON			NEL	V. W. SPARKS	
	ODEL (51-0) IN TH		TROL CHARACTERIST				V. W. SPARKS	
	E CALSPAN CORPORA		ICS AT VARIOUS HY				-DMS	
	TION 48-INCH HYPE		PERSONIC MACH AND					
	RSONIC SHOCK TUNN		REYNOLDS NUMBERS					
	EL							
LARC -				FORCE		LARC /	J. E. VAUGHN	DMS-DR-2239
8TPT -						LARC -	D.B. WATSON	TO LRC
676 /						8-FOOT TRANSON	-DMS	
LA38B						IC PRESSURE TU		
						NNEL		
AEDC -	RESULTS OF AN INV	60-OTS THERMOCOUP	TO OBTAIN HEAT TR	HEAT-TRANS	2.5 -	ROCKWELL/	J. W. CUMMINGS, W	DMS-DR-2240
SWTA -	ESTIGATION OF THE	LE MODEL	ANSFER DATA ON SS		4.5	AEDC -	. H. DYE/RI	APRIL, 1977
A4A /	SPACE SHUTTLE IN		INTEGRATED VEHIC			SUPERSONIC WIN	D. A. SARVER	
IH41A	TEGRATED VEHICLE		LE DURING ASCENT			D TUNNEL (A)	M. M. MANN	
CR-151,054	AERODYNAMIC HEATI		OF FLIGHT PROFILE				-DMS	
	NG CHARACTERISTIC							
	S OBTAINED USING							
	THE 0.0175-SCALE							
	MODEL 60-OTS IN T							
	HE AEDC TUNNEL A							
	DURING TESTS IH41							
	AND IH41A							
AEDC -	AN INVESTIGATION	MODEL 60-3, VEH.	TO INVESTIGATE EN	HEAT-TRANS	0.0175 /	ROCKWELL/	B. J. HERRERA/RI	DMS-DR-2241
HWTB -	OF ENTRY HEATING	4	TRY HEATING		8.0 -	AEDC -	J. E. VAUGHN	VOLUME 01
74A /	ON THE 0.0175 SCA					HYPERSONIC WIN	G. R. LUTZ	JULY, 1980
OH39	LE SPACE SHUTTLE					D TUNNEL (B)	-DMS	
CR-160,490	ORBITER (MODEL 60							
	-0) IN THE AEDC U							
	KF TUNNEL B							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTB - 74A / CH39 CR-160,491	AN INVESTIGATION OF ENTRY HEATING ON THE 0.0175 SCA LE SPACE SHUTTLE ORBITER (MODEL 60 -0) IN THE AEDC V KF TUNNEL B	MODEL 60-3, VEH. 4	TO INVESTIGATE EN TRY HEATING	HEAT-TRANS	0.0175 / 8.0 -	ROCKWELL/ AEDC - HYPERSONIC WIN D TUNNEL (B)	B. J. HERRERA/RI J. E. VAUGHN G. R. LUTZ -DMS	DMS-DR-2241 VOLUME 02 JULY, 1980
AEDC - HWTB - 74A / OH39 CR-160,492	AN INVESTIGATION OF ENTRY HEATING ON THE 0.0175 SCA LE SPACE SHUTTLE ORBITER (MODEL 60 -0) IN THE AEDC V KF TUNNEL B	MODEL 60-3, VEH. 4	TO INVESTIGATE EN TRY HEATING	HEAT-TRANS	0.0175 / 8.0 -	ROCKWELL/ AEDC - HYPERSONIC WIN D TUNNEL (B)	B. J. HERRERA/RI J. E. VAUGHN G. R. LUTZ -DMS	DMS-DR-2241 VOLUME 03 JULY, 1980
AEDC - HWTB - 74A / OH39 CR-160,493	AN INVESTIGATION OF ENTRY HEATING ON THE 0.0175 SCA LE SPACE SHUTTLE ORBITER (MODEL 60 -0) IN THE AEDC V KF TUNNEL B	MODEL 60-3, VEH. 4	TO INVESTIGATE EN TRY HEATING	HEAT-TRANS	0.0175 / 8.0 -	ROCKWELL/ AEDC - HYPERSONIC WIN D TUNNEL (B)	B. J. HERRERA/RI J. E. VAUGHN G. R. LUTZ -DMS	DMS-DR-2241 VOLUME 04 JULY, 1980
AEDC - SWTA - A3A / IA111 CR-141,831	AERODYNAMIC RESUL TS OF A SEPARATIO N EFFECTS TEST ON A 0.010-SCALE MO DEL (52-OTS) OF T HE INTEGRATED SSV IN THE AEDC/VKF 40-BY-40 INCH SUP ERSONIC WIND TUNN EL A (IA111)	52-OTS	TO OBTAIN DATA WI TH THE SRB IN PRO XIMITY TO THE O/E T OVER A LARGE O1 ET INITIAL ANGLE OF ATTACK AND SID ESLIP	FORCE	0.010 / 4.5 -	ROCKWELL/ AEDC - SUPERSONIC WIN D TUNNEL (A)	E. CHEE/RI R. BURT/ARO J. E. VAUGHN M. M. MOSER JR. -DMS	DMS-DR-2242 VOLUME 01 MARCH, 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - SWTA - A3A / IA111 CR-144,588	AERODYNAMIC RESUL TS OF A SEPARATIO N EFFECTS TEST ON A 0.010-SCALE MO DEL (52-OTS) OF T HE INTEGRATED S V IN THE AEDC/VKF 40-BY-40 INCH SUP ERSONIC WIND TUNN EL A (IA111)	52-OTS	TO OBTAIN DATA WI TH THE SRB IN PRO XIMITY TO THE O/E T OVER A LARGE O1 ET INITIAL ANGLE OF ATTACK AND SID ESLIP	FORCE	0.010 / 4.5 -	ROCKWELL/ AEDC - SUPERSONIC WIN D TUNNEL (A)	E. CHEE/RI R. BURT/ARO J. E. VAUGHN M. M. MOSER JR. -DMS	DMS-DR-2242 VOLUME 02 MARCH, 1976
ARC - 14-TWT - 080 / CA23A CR-144,583	RESULTS OF AN AER ODYNAMIC INVESTIG ATION OF A SPACE SHUTTLE ORBITER/7 47 CARRIER VEHICL E CONFIGURATION T O ESTABLISH A FRE E-STREAM DATA BAS E FOR ALT SEPARAT ION INVESTIGATION S UTILIZING A 0.0 125-SCALE MODEL (48-/OAX1318I-1) I N THE ARC 14-FOOT WIND TUNNEL (CA2 3A)	MODEL 48-O/AX1318 I-1 0.0125 SCALE	FORCE AND MOMENT DATA WERE OBTAINE D FOR THE CARRIER AND ORBITER SEPA RATELY AND MATED FOR PRE-LAUNCH AN D FREE AIR DATA B ASE FOR PLANNED S EPARATION TESTS O F THE CARRIER ALT CONFIGURATION.	FORCE	0.0125 / 0.3 - 0.7	ROCKWELL/ ARC - 14-FOOT TRANSO NIC WIND TUNNE L	J. E. VAUGHN R. H. LINDAHL -DMS	DMS-DR-2243 JAN., 1976
MSFC - 14TWT - 603 / SA28F CR-151,082	AN INVESTIGATION TO DETERMINE THE STATIC PRESSURE D ISTRIBUTION OF TH E 0.00548 SCALE S PACE SHUTTLE SOLI D ROCKET BOOSTER (MSFC MODEL NUMBE R 468) DURING REE NTRY IN THE NASA/ MSFC 14 INCH TRIS ONIC WIND TUNNEL	146-INCH WITH AND WITHOUT PROTUBER ANCES	TO OBTAIN STATIC PRESSURE DISTRIBU TIONS FOR THE SRB AT REENTRY ATTIT UDES AND FLIGHT C ONDITIONS	PRESSURE	.40 - .45	MSFC / MSFC - 14-INCH TRISON IC WIND TUNNEL	W. F. BRADDOCK, G . D. STREBY/NSI V. W. SPARKS M. M. MOSER JR. -DMS	DMS-DR-2244 AUGUST, 1977

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN INV	SPACE SHUTTLE VEH	TO DETERMINE LOCA	FORCE	0.030 /	ROCKWELL/	M.R.NICHOLS / R.I	DMS-DR-2245
11,97,87-	ESTIGATION TO DET	ICLE ORBITER 140A	L TOTAL AND STATI		0.30 -	ARC -	.	VOLUME 01
094 /	ERMINE LOCAL FLOW	/B (MODIFIED)	C PRESSURE ENVIRO		3.5	11-FOOT, 9-FOO	J.C.MONFORT / ARC	SEPT., 1976
OA161A/B/C	CHARACTERISTICS		NMENTS FOR THE AI			T, 8-FOOT, UNI	D.W.HERSEY	
CR-147,618	AT THE AIR DATA P		R DATA PROBE LOCA			TARY WIND TUNN	W. B. MEINDERS	
	ROBE LOCATIONS US		TIONS AND RELATIV			EL	-DMS	
	ING AN 0.030-SCAL		E EFFECTIVENESS O					
	E MODEL (45-0) OF		F ALTERNATE FLIGH					
	THE SPACE SHUTTLE		T TEST PROBE CONF					
	VEHICLE ORBITER		IGURATIONS					
	CONFIGURATION 140							
	A/B (MODIFIED) IN							
	THE NASA AMES RES							
	EARCH CENTER UNIT							
	ARY PLAN WIND TUN							
	NEL ( )							
ARC -	RESULTS OF AN INV	SPACE SHUTTLE VEH	TO DETERMINE LOCA	FORCE	0.030 /	ROCKWELL/	M.R.NICHOLS / R.I	DMS-DR-2245
11,97,87-	ESTIGATION TO DET	ICLE ORBITER 140A	L TOTAL AND STATI		0.30 -	ARC -	.	VOLUME 02
094 /	ERMINE LOCAL FLOW	/B (MODIFIED)	C PRESSURE ENVIRO		3.5	11-FOOT, 9-FOO	J.C.MONFORT / ARC	OCT., 1976
OA161A/B/C	CHARACTERISTICS		NMENTS FOR THE AI			T, 8-FOOT, UNI	D.W.HERSEY	
CR-147,619	AT THE AIR DATA P		R DATA PROBE LOCA			TARY WIND TUNN	W. B. MEINDERS	
	ROBE LOCATIONS US		TIONS AND RELATIV			EL	-DMS	
	ING AN 0.030-SCAL		E EFFECTIVENESS O					
	E MODEL (45-0) OF		F ALTERNATE FLIGH					
	THE SPACE SHUTTLE		T TEST PROBE CONF					
	VEHICLE ORBITER		IGURATIONS					
	CONFIGURATION 140							
	A/B (MODIFIED) IN							
	THE NASA AMES RES							
	EARCH CENTER UNIT							
	ARY PLAN WIND TUN							
	NEL ( )							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 12PT - 086 / LA65 CR-144,600	LOW SUBSONIC AERODYNAMIC CHARACTERISTICS OF FIVE IRREGULAR PLANFORM WINGS WITH SYSTEMATICALLY VARYING WING FILLET GEOMETRY TESTED IN THE NASA/AMES 12-FOOT PRESSURE TUNNEL (LA65)	WING-BODY WITH VARIATIONS	EFFECT OF PLANFORM ON FORCE + MOMENT CHARACTERISTICS AS A FUNCTION OF RN/L	FORCE	.08 - .30	LARC / ARC - 12-FOOT PRESSURE TUNNEL	GEORGE WARE/NASA LANGLEY BERNARD SPENCER/NASA LANGLEY D.B. WATSON -DMS	DMS-DR-2246 JULY, 1976
AEDC - HWTF - 28A / OA160 CR-141,834	RESULTS OF AN INVESTIGATION OF HYPERSONIC VISCOUS INTERACTION EFFECTS OF THE SPACE SHUTTLE ORBITER USING A 0.01/ SCALE MODEL (51-0) IN THE AEDC-VKF TUNNEL F	MODEL 51-O OF MODIFIED VEH. 4 ORB. (B26 C9 E26 F7 M7 N28 R5 V8 W116)	TO DETERMINE HYPERSONIC VISCOUS INTERACTION EFFECTS	FORCE	0.010 / 19 - 19	ROCKWELL/ AEDC - HYPERVELOCITY WIND TUNNEL (F)	D. J. ELDER/RI J. E. VAUGHN -DMS	DMS-DR-2247 JAN., 1976
ARC - 3.5HWT - 211 / IH48 CR-144,599	RESULTS OF HEAT TRANSFER TESTS OF A 0.0175-SCALE SPACE SHUTTLE VEHICLE 5 MODEL (60-OTS) IN THE NASA-AMES RESEARCH CENTER 3.5-FOOT HYPERSONIC WIND TUNNEL (TEST IH48)	60 OTS SPACE SHUTTLE VEHICLE 5	TO OBTAIN AERODYNAMIC INTERFERENCE HEATING DATA ON THE EXTERNAL TANK IN THE TANK ALONE, SECOND-, AND FIRST-STAGE CONFIGURATIONS	HEAT-TRANS	0.0175 / 5.2 - 5.3	ROCKWELL/ ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	W. H. DYE/RI W. K. LOCKMAN/ARC R. B. LOWE -DMS	DMS-DR-2248 APRIL, 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN -	RESULTS OF SPACE	37-OT SPACE SHUTT	TO DETERMINE, AT	HEAT-TRANS	.01 /	ROCKWELL/	H.R. BRUES+LE/RI	DMS-DR-2249
48HST -	SHUTTLE HEAT TRAN	LE ORBITER/EXTERN	HIGH MACH NUMBERS		5.5-	CALSPAN -	C.E. WITTLIFF/CAL	JUNE, 1979
185-131 /	SFER TESTS USING	AL TANK- .01 SCAL	,(1)AERODYNAMIC H		24.0	48-INCH HYPERS	SPAN	
96HST -	A 0.01-SCALE MODE	E	EATING RATES ON T			ONIC SHOCK TUN	J. E. VAUGHN	
IH33	L (37-OT) IN THE		HE ORBITER/TANK I			NEL	-DMS	
CR-151,775	CALSPAN HYPERSONI		NTERFACE AND SUPP			96-INCH HYPERS		
	C SHOCK TUNNEL (T		ORT STRUCTURE AND			ONIC SHOCK TUN		
	EST IH33)		(2)THE HEATING E			NEL		
			FFECT OF A BLUNT					
			NOSE CAP ON THE E					
			XTERNAL TANK NOSE					
			SECTION.					
ARC -	RESULTS OF CONVEC	15-O,FLAT PLATE M	TO INVESTIGATE AE	HEAT-TRANS	1.0 /	ROCKWELL/	M. QUAN/RI	DMS-DR-2250
3.5HWT -	TIVE HEATING TEST	ODEL	RODYNAMIC HEATING		5.1 -	ARC -	W. K. LOCKMAN/ARC	JULY, 1975
182 /	S OF A LONGITUDIN		RATES IN TPS GAP		5.1	3.5-FOOT HYPER	M. M. MOSER JR.	
OH43	AL GAP ON THE ROC		S AT VARIOUS DEPT			SONIC WIND TUN	-DMS	
CR-141,539	KWELL FLAT PLATE		HS, WIDTHS, LENGT			NEL		
	MODEL (15-O, INSE		HS, AND ORIENTATI					
	RT VII) IN THE NA		ONS TO THE FLOW.					
	SA/AMES 3.5 FOOT							
	HYPERSONIC WIND T							
	UNNEL (TEST OH43)							
AEDC -	RESULTS OF TESTS	MODEL 29-O/VL70-O	TO DETERMINE BOUN	HEAT-TRANS	8.0 -	ROCKWELL/	M. QUAN/RI	DMS-DR-2251
HWTB -	ON A ROCKWELL INT	06139	DARY LAYER CHARAC		8.0	AEDC -	W. MARTINDALE/ARO	JUNE, 1975
VA353 /	ERNATIONAL SPACE		TERISTICS OVER A			HYPERSONIC WIN	D. A. SARVER	
OH9	SHUTTLE ORBITER (		LOWER SURFACE OF			D TUNNEL (B)	D.B. WATSON	
CR-141,540	-139 CONFIGURATIO		AN ORBITER				-DMS	
	N) 0.0175-SCALE M							
	ODEL (NO. 29-O) I							
	N AEDC TUNNEL B T							
	O DETERMINE BOUND							
	ARY LAYER CHARACT							
	ERISTICS							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTB - 83A / OH25A CR-141,546	HEAT TRANSFER PHASE CHANGE PAINT TESTS OF 0.0175-SCALE MODELS (NOS. 21-0 AND 46-0) OF THE ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER IN THE AEDC TUNNEL B HYPERSONIC WIND TUNNEL (TEST OH25A)	ORB.; 40(SEMISPAN; BODY FLUSH; LEAD. EDGE; TRANSITION;SEMISPAN WING	TO INVESTIGATE PLANFORM AREA REDUCTION CROSSFLOW EFFECTS ON VEHICLE 3 ORBITER CONFIGURATIONS TO SET THE OPTIMUM MODELSIZE FOR LATER TESTS EXAMINING SHOCK-WING LEADING EDGE INTERFERENCE EFFECTS.	HEAT-TRANS	0.0175 / 8.0 - 8.0	ROCKWELL/ AEDC - HYPERSONIC WIND TUNNEL (B)	W. H. DYE/RI D. A. SARVER M. M. MOSER JR. -DMS	DMS-DR-2252 JULY, 1975
MSFC - 14TWT - 622 / IA125 CR-144,833	AN INVESTIGATION IN THE MSFC TNT TO DETERMINE SPOILER EFFECTS ON WING LOADS AND ELEVON HINGE MOMENTS UTILIZING 0.004-SCALE MODELS (77-0 AND 74-OTS) OF THE SHUTTLE VEHICLE 5 CONFIGURATION	77-0, 77-OTS	TO EVALUATE MID-SPAN ELEVON FLIPPER DOOR (USED AS A SPOILER) EFFECTS ON WING BENDING/TORSION AND ELEVON HINGE MOMENTS DURING LAUNCH	FORCE	0.004 / 0.6 - 2.74	ROCKWELL/ MSFC - 14-INCH TRISONIC WIND TUNNEL	V. W. SPARKS -DMS	DMS-DR-2253 JAN., 1976
ARC - 11TWT - 073 / OA148 OA148P CR-144,619	TERMINAL AREA ENERGY MANAGEMENT REGIME INVESTIGATIONS UTILIZING AN 0.030-SCALE MODEL (47-0) OF THE SPACE SHUTTLE VEHICLE ORBITER CONFIGURATION 140A/B/C/R IN THE AMES RESEARCH CENTER 11 X 11 FOOT TRANSONIC WIND TUNNEL (OA148)	VEHICLE 5 ORBITER	TO OBTAIN PRESSURE DISTRIBUTIONS, VEHICLE FORCES AND MOMENTS, ELEVON AND RUDDER HINGE MOMENTS, BODY FLAP AND ELEVON LOADS IN THE TERMINAL AREA ENERGY MANAGEMENT (TAEM) AND APPROACH OF FLIGHT	FORCE PRESSURE	0.030 / 0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	P.J.HAWTHORNE/ RI . S.L.TREON/ W. B. MEINDERS -DMS	DMS-DR-2254 VOLUME 01 JULY, 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	TERMINAL AREA ENE	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	0.030 /	ROCKWELL/	P.J.HAWTHORNE/ RI	DMS-DR-2254
11TWT -	RGY MANAGEMENT RE		E DISTRIBUTIONS,	PRESSURE	0.6 -	ARC -	.	VOLUME 02
073 /	GIME INVESTIGATIO		VEHICLE FORCES AN		1.4	11-FOOT TRANSO	S.L.TREON/	JULY, 1976
0A148	NS UTILIZING AN O		D MOMENTS, ELEVON			NIC WIND TUNNE	W. B. MEINDERS	
0A148P	.030-SCALE MODEL		AND RUDDER HINGE			L (UNITARY)	-DMS	
CR-144,620	(47-0) OF THE SPA		MOMENTS, BODY FL					
	CE SHUTTLE VEHICL		AP AND ELEVON LOA					
	E ORBITER CONFIGU		DS IN THE TERMINA					
	RATION 140A/B/C/R		L AREA ENERGY MAN					
	IN THE AMES RESE		AGEMENT (TAEM) AN					
	ARCH CENTER 11 X		D APPROACH OF FLI					
	11 FOOT TRANSONIC		GHT					
	WIND TUNNEL (OA1							
	48)							
ARC -	TERMINAL AREA ENE	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	0.030 /	ROCKWELL/	P.J.HAWTHORNE/ RI	DMS-DR-2254
11TWT -	RGY MANAGEMENT RE		E DISTRIBUTIONS,	PRESSURE	0.6 -	ARC -	.	VOLUME 03
073 /	GIME INVESTIGATIO		VEHICLE FORCES AN		1.4	11-FOOT TRANSO	S.L.TREON/	JULY, 1976
0A148	NS UTILIZING AN O		D MOMENTS, ELEVON			NIC WIND TUNNE	W. B. MEINDERS	
0A148P	.030-SCALE MODEL		AND RUDDER HINGE			L (UNITARY)	-DMS	
CR-144,621	(47-0) OF THE SPA		MOMENTS, BODY FL					
	CE SHUTTLE VEHICL		AP AND ELEVON LOA					
	E ORBITER CONFIGU		DS IN THE TERMINA					
	RATION 140A/B/C/R		L AREA ENERGY MAN					
	IN THE AMES RESE		AGEMENT (TAEM) AN					
	ARCH CENTER 11 X		D APPROACH OF FLI					
	11 FOOT TRANSONIC		GHT					
	WIND TUNNEL (OA1							
	48)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	TERMINAL AREA ENE	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	0.030 /	ROCKWELL/	P.J.HAWTHORNE/ RI	DMS-DR-2254
11TWT -	RGY MANAGEMENT RE		E DISTRIBUTIONS,	PRESSURE	0.6 -	ARC -	.	VOLUME 04
073 /	GIME INVESTIGATIO		VEHICLE FORCES AN		1.4	11-FOOT TRANSO	S.L.TREON/	AUGUST, 1976
0A148	NS UTILIZING AN O		D MOMENTS, ELEVON			NIC WIND TUNNE	W. B. MEINDERS	
0A148P	.030-SCALE MODEL		AND RUDDER HINGE			L (UNITARY)	-DMS	
CR-144,622	(47-0) OF THE SPA		MOMENTS, BODY FL					
	CE SHUTTLE VEHICL		AP AND ELEVON LOA					
	E ORBITER CONFIGU		DS IN THE TERMINA					
	RATION 140A/B/C/R		L AREA ENERGY MAN					
	IN THE AMES RESE		AGEMENT (TAEM) AN					
	ARCH CENTER 11 X		D APPROACH OF FLI					
	11 FOOT TRANSONIC		GHT					
	WIND TUNNEL (OA1							
	48)							
ARC -	TERMINAL AREA ENE	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	0.030 /	ROCKWELL/	P.J.HAWTHORNE/ RI	DMS-DR-2254
11TWT -	RGY MANAGEMENT RE		E DISTRIBUTIONS,	PRESSURE	0.6 -	ARC -	.	VOLUME 05
073 /	GIME INVESTIGATIO		VEHICLE FORCES AN		1.4	11-FOOT TRANSO	S.L.TREON/	AUGUST, 1976
0A148	NS UTILIZING AN O		D MOMENTS, ELEVON			NIC WIND TUNNE	W. B. MEINDERS	
0A148P	.030 SCALE MODEL		AND RUDDER HINGE			L (UNITARY)	-DMS	
CR-144,623	(47-0) OF THE SPA		MOMENTS, BODY FL					
	CE SHUTTLE VEHICL		AP AND ELEVON LOA					
	E ORBITER CONFIGU		DS IN THE TERMINA					
	RATION 140A/B/C/R		L AREA ENERGY MAN					
	IN THE AMES RESE		AGEMENT (TAEM) AN					
	ARCH CENTER 11 X		D APPROACH OF FLI					
	11 FOOT TRANSONIC		GHT					
	WIND TUNNEL (OA1							
	48)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	TERMINAL AREA ENE	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	0.030 /	ROCKWELL/	P.J.HAWTHORNE/ RI	DMS-DR-2254
11TWT -	RGY MANAGEMENT RE		E DISTRIBUTIONS,	PRESSURE	0.6 -	ARC -	.	VOLUME 06
073 /	GIME INVESTIGATIO		VEHICLE FORCES AN		1.4	11-FOOT TRANSO	S.L.TREON/	AUGUST, 1976
OA148	NS UTILIZING AN O		D MOMENTS, ELEVON			NIC WIND TUNNE	W. B. MEINDERS	
OA148P	.030-SCALE MODEL		AND RUDDER HINGE			L (UNITARY)	-DMS	
CR-144,624	(47-O) OF THE SPA		MOMENTS, BODY FL					
	CE SHUTTLE VEHICL		AP AND ELEVON LOA					
	E ORBITER CONFIGU		DS IN THE TERMINA					
	RATION 140A/B/C/R		L AREA ENERGY MAN					
	IN THE AMES RESE		AGEMENT (TAEM) AN					
	ARCH CENTER 11 X		D APPROACH OF FLI					
	11 FOOT TRANSONIC		GHT					
	WIND TUNNEL (OA1							
	48)							
ARC -	TERMINAL AREA ENE	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	0.030 /	ROCKWELL/	P.J.HAWTHORNE/ RI	DMS-DR-2254
11TWT -	RGY MANAGEMENT RE		E DISTRIBUTIONS,	PRESSURE	0.6 -	ARC -	.	VOLUME 07
073 /	GIME INVESTIGATIO		VEHICLE FORCES AN		1.4	11-FOOT TRANSO	S.L.TREON/	AUGUST, 1976
OA148	NS UTILIZING AN O		D MOMENTS, ELEVON			NIC WIND TUNNE	W. B. MEINDERS	
OA148P	.030-SCALE MODEL		AND RUDDER HINGE			L (UNITARY)	-DMS	
CR-144,625	(47-O) OF THE SPA		MOMENTS, BODY FL					
	CE SHUTTLE VEHICL		AP AND ELEVON LOA					
	E ORBITER CONFIGU		DS IN THE TERMINA					
	RATION 140A/B/C/R		L AREA ENERGY MAN					
	IN THE AMES RESE		AGEMENT (TAEM) AN					
	ARCH CENTER 11 X		D APPROACH OF FLI					
	11 FOOT TRANSONIC		GHT					
	WIND TUNNEL (OA1							
	48)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 073 / OA148 OA148P CR-144,626	TERMINAL AREA ENE RGY MANAGEMENT RE GIME INVESTIGATIO NS UTILIZING AN O .030-SCALE MODEL (47-0) OF THE SPA CE SHUTTLE VEHICL E ORBITER CONFIGU RATION 140A/B/C/R IN THE AMES RESE ARCH CENTER 11 X 11 FOOT TRANSONIC WIND TUNNEL (OA1 48)	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR E DISTRIBUTIONS, VEHICLE FORCES AN D MOMENTS, ELEVON AND RUDDER HINGE MOMENTS, BODY FL AP AND ELEVON LOA DS IN THE TERMINA L AREA ENERGY MAN AGEMENT (TAEM) AN D APPROACH OF FLI GHT	FORCE PRESSURE	0.030 / 0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	P.J.HAWTHORNE/ RI . S.L.TREON/ W. B. MEINDERS -DMS	DMS-DR-2254 VOLUME 08 AUGUST, 1976
ARC - 11TWT - 073 / OA148 OA148P CR-144,627	TERMINAL AREA ENE RGY MANAGEMENT RE GIME INVESTIGATIO NS UTILIZING AN O .030-SCALE MODEL (47-0) OF THE SPA CE SHUTTLE VEHICL E ORBITER CONFIGU RATION 140A/B/C/R IN THE AMES RESE ARCH CENTER 11 X 11 FOOT TRANSONIC WIND TUNNEL (OA1 48)	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR E DISTRIBUTIONS, VEHICLE FORCES AN D MOMENTS, ELEVON AND RUDDER HINGE MOMENTS, BODY FL AP AND ELEVON LOA DS IN THE TERMINA L AREA ENERGY MAN AGEMENT (TAEM) AN D APPROACH OF FLI GHT	FORCE PRESSURE	0.030 / 0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	P.J.HAWTHORNE/ RI . S.L.TREON/ W. B. MEINDERS -DMS	DMS-DR-2254 VOLUME 09 SEPT., 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	TERMINAL AREA ENE	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	0.030 /	ROCKWELL/	P.J.HAWTHORNE/ RI	DMS-DR-2254
11TWT -	RGY MANAGEMENT RE		E DISTRIBUTIONS,	PRESSURE	0.6 -	ARC -	.	VOLUME 10
073 /	GIME INVESTIGATIO		VEHICLE FORCES AN		1.4	11-FOOT TRANSO	S.L.TREON/	SEPT., 1976
OA148	NS UTILIZING AN O		D MOMENTS, ELEVON			NIC WIND TUNNE	W. B. MEINDERS	
OA148P	.030-SCALE MODEL		AND RUDDER HINGE			L (UNITARY)	-DMS	
CR-144,628	(47-0) OF THE SPA		MOMENTS, BODY FL					
	CE SHUTTLE VEHICL		AP AND ELEVON LOA					
	E ORBITER CONFIGU		DS IN THE TERMINA					
	RATION 140A/B/C/R		L AREA ENERGY MAN					
	IN THE AMES RESE		AGEMENT (TAEM) AN					
	ARCH CENTER 11 X		D APPROACH OF FLI					
	11 FOOT TRANSONIC		GHT					
	WIND TUNNEL (OA1							
	48)							
ARC -	TERMINAL AREA ENE	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	0.030 /	ROCKWELL/	P.J.HAWTHORNE/ RI	DMS-DR-2254
11TWT -	RGY MANAGEMENT RE		E DISTRIBUTIONS,	PRESSURE	0.6 -	ARC -	.	VOLUME 11
073 /	GIME INVESTIGATIO		VEHICLE FORCES AN		1.4	11-FOOT TRANSO	S.L.TREON/	SEPT., 1976
OA148	NS UTILIZING AN O		D MOMENTS, ELEVON			NIC WIND TUNNE	W. B. MEINDERS	
OA148P	.030-SCALE MODEL		AND RUDDER HINGE			L (UNITARY)	-DMS	
CR-147,601	(47-0) OF THE SPA		MOMENTS, BODY FL					
	CE SHUTTLE VEHICL		AP AND ELEVON LOA					
	E ORBITER CONFIGU		DS IN THE TERMINA					
	RATION 140A/B/C/R		L AREA ENERGY MAN					
	IN THE AMES RESE		AGEMENT (TAEM) AN					
	ARCH CENTER 11 X		D APPROACH OF FLI					
	11 FOOT TRANSONIC		GHT					
	WIND TUNNEL (OA1							
	48)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 073 / OA148 OA148P CR-147,602	TERMINAL AREA ENERGY MANAGEMENT REGIME INVESTIGATIONS UTILIZING AN .030-SCALE MODEL (47-0) OF THE SPACE SHUTTLE VEHICLE ORBITER CONFIGURATION 140A/B/C/R IN THE AMES RESEARCH CENTER 11 X 11 FOOT TRANSONIC WIND TUNNEL (OA148)	VEHICLE 5 ORBITER	TO OBTAIN PRESSURE DISTRIBUTIONS, VEHICLE FORCES AND MOMENTS, ELEVON AND RUDDER HINGE MOMENTS, BODY FLAP AND ELEVON LOADS IN THE TERMINAL AREA ENERGY MANAGEMENT (TAEM) AND APPROACH OF FLIGHT	FORCE, PRESSURE	0.030 / 0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	P.J.HAWTHORNE/ RI . S.L.TREON/ W. B. MEINDERS -DMS	DMS-DR-2254 VOLUME 12 SEPT., 1976
ARC - 11TWT - 073 / OA148 OA148P CR-147,603	TERMINAL AREA ENERGY MANAGEMENT REGIME INVESTIGATIONS UTILIZING AN .030-SCALE MODEL (47-0) OF THE SPACE SHUTTLE VEHICLE ORBITER CONFIGURATION 140A/B/C/R IN THE AMES RESEARCH CENTER 11 X 11 FOOT TRANSONIC WIND TUNNEL (OA148)	VEHICLE 5 ORBITER	TO OBTAIN PRESSURE DISTRIBUTIONS, VEHICLE FORCES AND MOMENTS, ELEVON AND RUDDER HINGE MOMENTS, BODY FLAP AND ELEVON LOADS IN THE TERMINAL AREA ENERGY MANAGEMENT (TAEM) AND APPROACH OF FLIGHT	FORCE, PRESSURE	0.030 / 0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	P.J.HAWTHORNE/ RI . S.L.TREON/ W. B. MEINDERS -DMS	DMS-DR-2254 VOLUME 13 SEPT., 1976
ARC - 11TWT - 97SWT - TM-X 62,444	SHADOWGRAPHS OF AIR FLOW OVER PROSPECTIVE SPACE SHUTTLE CONFIGURATIONS AT MACH NUMBERS FROM 0.8 TO 1.4	SERIES-BURN, PARALLEL-BURN; 2 CANOPY CONFIGURATIONS;	TO IDENTIFY AND LOCATE REGIONS OF SIGNIFICANT TURBULENCE	FORCE	4.0 / 0.8 - 1.4	ARC / ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	J. B. DODS,JR., R. D. HANLY, J. H. EFTING/ARC D.W.HERSEY M. M. MOSER JR. -DMS	DMS-DR-2255 JULY, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	RESULTS OF A DRAG	OUTER MOLD LINE M	DETERMINE EFFECTS	FORCE	0.010 /	LARC /	B. SPENCER, JR.,	DMS-DR-2257
8TPT -	REDUCTION INVEST	ODEL 72-OTS	OF VARIOUS CONFI		0.35-	LARC -	G. M. WARE/LARC	SEPT., 1977
714 /	IGATION ON AN 0.0		G. COMPONENTS ON		1.20	8-FOOT TRANSON	J. E. VAUGHN	
LA69	10-SCALE MODEL OF		TOTAL DRAG OF VEH			IC PRESSURE TU	-DMS	
CR-151,369	THE SPACE SHUTTLE		. 5: PRIMARY ATTE			NNEL		
	VEHICLE (72-OTS)		NTION ON DRAG RED					
	LAUNCH CONFIGURA		UCTION FOR ET AND					
	TION TESTED IN TH		MODS TO ORB. AND					
	E LARC 8-FOOT TRA		OMS PODS					
	NSONIC PRESSURE T							
	UNNEL FOR THE MAC							
	H RANGE OF 0.35 T							
	O 1.20							
ARC -	INVESTIGATIONS ON	88-OTS MODIFIED W	TO DETERMINE WING	PRESSURE	0.020 /	ROCKWELL/	R. H. LINDAHL	DMS-DR-2258
11TWT -	A 0.020-SCALE JE	/OMS PODS AND COL	AND VERTICAL TAI		0.90 -	ARC -	-DMS	VOLUME 01
072 /	T PLUME MODEL (88	D AIR MPS AND SRB	L ROOT BENDING MO		1.40	11-FOOT TRANSO		APRIL, 1977
IA72	-OTS) OF THE ROCK	PLUME SIMULATION	MENTS, RUDDER AND			NIC WIND TUNNE		
CR-151,045	WELL INTERNATIONA		ELEVON HINGE MOME			L (UNITARY)		
	L INTEGRATED SSV		NTS, NOZZLE GIMBA					
	CONFIGURATION 14D		L MOMENTS, AND SU					
	C (MODIFIED) IN T		RFACE PRESSURE PR					
	HE 11-FOOT TRANSO		OFILES ON THE ORB					
	NIC WIND TUNNEL		ITER, ET, SRB; TO					
			DETERMINE ET BAS					
			E COOLING RATES.					
ARC -	INVESTIGATIONS ON	88-OTS MODIFIED W	TO DETERMINE WING	PRESSURE	0.020 /	ROCKWELL/	R. H. LINDAHL	DMS-DR-2258
11TWT -	A 0.020-SCALE JE	/OMS PODS AND COL	AND VERTICAL TAI		0.90 -	ARC -	-DMS	VOLUME 02
072 /	T PLUME MODEL (88	D AIR MPS AND SRB	L ROOT BENDING MO		1.40	11-FOOT TRANSO		APRIL, 1977
IA72	-OTS) OF THE ROCK	PLUME SIMULATION	MENTS, RUDDER AND			NIC WIND TUNNE		
CR-151,046	WELL INTERNATIONA		ELEVON HINGE MOME			L (UNITARY)		
	L INTEGRATED SSV		NTS, NOZZLE GIMBA					
	CONFIGURATION 14D		L MOMENTS, AND SU					
	C (MODIFIED) IN T		RFACE PRESSURE PR					
	HE 11-FOOT TRANSO		OFILES ON THE ORB					
	NIC WIND TUNNEL		ITER, ET, SRB; TO					
			DETERMINE ET BAS					
			E COOLING RATES.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	INVESTIGATIONS ON	88-OTS MODIFIED W	TO DETERMINE WING	PRESSURE	0.020 /	ROCKWELL/	R. H. LINDAHL	DMS-DR-2258
11TWT -	A 0.020-SCALE JE	/OMS PODS AND COL	AND VERTICAL TAI		0.90 -	ARC -	-DMS	VOLUME 03
072 /	T PLUME MODEL (88	D AIR MPS AND SRB	L ROOT BENDING MO		1.40	11-FOOT TRANSO		APRIL, 1977
IA72	-OTS) OF THE ROCK	PLUME SIMULATION	MENTS, RUDDER AND			NIC WIND TUNNE		
CR-151,047	WELL INTERNATIONA		ELEVON HINGE MOME			L (UNITARY)		
	L INTEGRATED SSV		NTS, NOZZLE GIMBA					
	CONFIGURATION 14D		L MOMENTS, AND SU					
	C (MODIFIED) IN T		RFACE PRESSURE PR					
	HE 11-FOOT TRANSO		OFILES ON THE ORB					
	NIC WIND TUNNEL		ITER, ET, SRB; TO					
			DETERMINE ET BAS					
			E COOLING RATES.					
ARC -	INVESTIGATIONS ON	88-OTS MODIFIED W	TO DETERMINE WING	PRESSURE	0.020 /	ROCKWELL/	R. H. LINDAHL	DMS-DR-2258
11TWT -	A 0.020-SCALE JE	/OMS PODS AND COL	AND VERTICAL TAI		0.90 -	ARC -	-DMS	VOLUME 04
072 /	T PLUME MODEL (88	D AIR MPS AND SRB	L ROOT BENDING MO		1.40	11-FOOT TRANSO		APRIL, 1977
IA72	-OTS) OF THE ROCK	PLUME SIMULATION	MENTS, RUDDER AND			NIC WIND TUNNE		
CR-151,048	WELL INTERNATIONA		ELEVON HINGE MOME			L (UNITARY)		
	L INTEGRATED SSV		NTS, NOZZLE GIMBA					
	CONFIGURATION 14D		L MOMENTS, AND SU					
	C (MODIFIED) IN T		RFACE PRESSURE PR					
	HE 11-FOOT TRANSO		OFILES ON THE ORB					
	NIC WIND TUNNEL		ITER, ET, SRB; TO					
			DETERMINE ET BAS					
			E COOLING RATES.					
ARC -	INVESTIGATIONS ON	88-OTS MODIFIED W	TO DETERMINE WING	PRESSURE	0.020 /	ROCKWELL/	R. H. LINDAHL	DMS-DR-2258
11TWT -	A 0.020-SCALE JE	/OMS PODS AND COL	AND VERTICAL TAI		0.90 -	ARC -	-DMS	VOLUME 05
072 /	T PLUME MODEL (88	D AIR MPS AND SRB	L ROOT BENDING MO		1.40	11-FOOT TRANSO		APRIL, 1977
IA72	-OTS) OF THE ROCK	PLUME SIMULATION	MENTS, RUDDER AND			NIC WIND TUNNE		
CR-151,049	WELL INTERNATIONA		ELEVON HINGE MOME			L (UNITARY)		
	L INTEGRATED SSV		NTS, NOZZLE GIMBA					
	CONFIGURATION 14D		L MOMENTS, AND SU					
	C (MODIFIED) IN T		RFACE PRESSURE PR					
	HE 11-FOOT TRANSO		OFILES ON THE ORB					
	NIC WIND TUNNEL		ITER, ET, SRB; TO					
			DETERMINE ET BAS					
			E COOLING RATES.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	INVESTIGATIONS ON	88-OTS MODIFIED W	TO DETERMINE WING	PRESSURE	0.020 /	ROCKWELL/	R. H. LINDAHL	DMS-DR-2258
11TWT -	A 0.020-SCALE JE	/OMS PODS AND COL	AND VERTICAL TAI		0.90 -	ARC -	-DMS	VOLUME 06
072 /	T PLUME MODEL (88	D AIR MPS AND SRB	L ROOT BENDING MO		1.40	11-FOOT TRANSO		APRIL, 1977
IA72	-OTS) OF THE ROCK	PLUME SIMULATION	MENTS, RUDDER AND			NIC WIND TUNNE		
CR-151,050	WELL INTERNATIONA		ELEVON HINGE MOME			L (UNITARY)		
	L INTEGRATED SSV		NTS, NOZZLE GIMBA					
	CONFIGURATION 14D		L MOMENTS, AND SU					
	C (MODIFIED) IN T		RFACE PRESSURE PR					
	HE 11-FOOT TRANSO		OFILES ON THE ORB					
	NIC WIND TUNNEL		ITER, ET, SRB; TO					
			DETERMINE ET BAS					
			E COOLING RATES.					
ARC -	INVESTIGATIONS ON	88-OTS MODIFIED W	TO DETERMINE WING	PRESSURE	0.020 /	ROCKWELL/	R. H. LINDAHL	DMS-DR-2258
11TWT -	A 0.020-SCALE JE	/OMS PODS AND COL	AND VERTICAL TAI		0.90 -	ARC -	-DMS	VOLUME 07
072 /	T PLUME MODEL (88	D AIR MPS AND SRB	L ROOT BENDING MO		1.40	11-FOOT TRANSO		APRIL, 1977
IA72	-OTS) OF THE ROCK	PLUME SIMULATION	MENTS, RUDDER AND			NIC WIND TUNNE		
CR-151,051	WELL INTERNATIONA		ELEVON HINGE MOME			L (UNITARY)		
	L INTEGRATED SSV		NTS, NOZZLE GIMBA					
	CONFIGURATION 14D		L MOMENTS, AND SU					
	C (MODIFIED) IN T		RFACE PRESSURE PR					
	HE 11-FOOT TRANSO		OFILES ON THE ORB					
	NIC WIND TUNNEL		ITER, ET, SRB; TO					
			DETERMINE ET BAS					
			E COOLING RATES.					
ARC -	INVESTIGATIONS ON	88-OTS MODIFIED W	TO DETERMINE WING	PRESSURE	0.020 /	ROCKWELL/	R. H. LINDAHL	DMS-DR-2258
11TWT -	A 0.020-SCALE JE	/OMS PODS AND COL	AND VERTICAL TAI		0.90 -	ARC -	-DMS	VOLUME 08
072 /	T PLUME MODEL (88	D AIR MPS AND SRB	L ROOT BENDING MO		1.40	11-FOOT TRANSO		APRIL, 1977
IA72	-OTS) OF THE ROCK	PLUME SIMULATION	MENTS, RUDDER AND			NIC WIND TUNNE		
CR-151,052	WELL INTERNATIONA		ELEVON HINGE MOME			L (UNITARY)		
	L INTEGRATED SSV		NTS, NOZZLE GIMBA					
	CONFIGURATION 14D		L MOMENTS, AND SU					
	C (MODIFIED) IN T		RFACE PRESSJRE PR					
	HE 11-FOOT TRANSO		OFILES ON THE ORB					
	NIC WIND TUNNEL		ITER, ET, SRB; TO					
			DETERMINE ET BAS					
			E COOLING RATES.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 072 / IA72 CR-151,053	INVESTIGATIONS ON A 0.020-SCALE JE T PLUME MODEL (88 -OTS) OF THE ROCK WELL INTERNATIONA L INTEGRATED SSV CONFIGURATION 14D C (MODIFIED) IN T HE 11-FOOT TRANSO NIC WIND TUNNEL	88-OTS MODIFIED W /OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	TO DETERMINE WING AND VERTICAL TAI L ROOT BENDING MO MENTS, RUDDER AND ELEVON HINGE MOME NTS, NOZZLE GIMBA L MOMENTS, AND SU RFACE PRESSURE PR OFILES ON THE ORB ITER, ET, SRB; TO DETERMINE ET BAS E COOLING RATES.	PRESSURE	0.020 / 0.90 - 1.40	ROCKWELL/ ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	R. H. LINDAHL -DMS	DMS-DR-2258 VOLUME 09 APRIL, 1977
LARC - 8TPT - 704 / LA60A		TASK CANCELLED, M AY 1977		FORCE		LARC / LARC - 8-FOOT TRANSON IC PRESSURE TU NNEL	J. E. VAUGHN -DMS	DMS-DR-2259 TASK CANCELLED MAY, 1977
ARC - 40SWT - 462 / OA100 CR-167,364	RESULTS OF TESTS USING A 0.36-SCAL E MODEL(76-O) OF THE SPACE SHUTTLE VEHICLE ORBITER IN THE NASA/AMES RESEARCH CENTER 4 O BY 80-FOOT SUBS ONIC WIND TUNNEL (OA100)	ORBITER VEHICLE 1 01 WITHOUT TAILCO NE	OBTAIN:(1)BASIC I NFLIGHT AERO DATA WITH SIM.TPS;(2) SUBSONIC VEH.5 AE RO;(3)ELEVON, RUD DER/SPDBRK, AND B ODYFLAP EFFECT. W ITH VEH.101 SEALS AND GAPS;(4)RUDD ER/SPDBRK AND BOD YFLAP HINGE MOM. WITH SEALS;(5)FLI GHT TEST AND SIDE AIR DATA PROBE C ALIB;(6)EVALUATE RN EFFECTS.	FORCE PRESSURE	0.36 / 0.112- 0.256	ROCKWELL/ ARC - 40-FOOT BY 80- FOOT SUBSONIC WIND TUNNEL	R.L. MAKI/ARC T.J. DZIUBALA, R. R. BURROWS/RI S. R. HOULIHAN C. R. EDWARDS -DMS	DMS-DR-2261 VOLUME 01 JULY, 1982

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 40SWT - 462 / OA100 CR-167,365	RESULTS OF TESTS USING A 0.36-SCALE MODEL(76-0) OF THE SPACE SHUTTLE VEHICLE ORBITER IN THE NASA/AMES RESEARCH CENTER 40 BY 80-FOOT SUBSONIC WIND TUNNEL (OA100)	ORBITER VEHICLE 101 WITHOUT TAILCONE	OBTAIN:(1)BASIC INFLIGHT AERO DATA WITH SIM.TPS;(2) SUBSONIC VEH.5 AERO;(3)ELEVON, RUDDER/SPDBRK, AND BODYFLAP EFFECT. WITH VEH.101 SEALS AND GAPS;(4)RUDDER/SPDBRK AND BODYFLAP HINGE MOM. WITH SEALS;(5)FLIGHT TEST AND SIDE AIR DATA PROBE CALIB;(6)EVALUATE RN EFFECTS.	FORCE PRESSURE	0.36 / 0.112-0.256	ROCKWELL/ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND TUNNEL	R.L. MAKI/ARC T.J. DZIUBALA, R. R. BURROWS/RI S. R. HOULIHAN C. R. EDWARDS -DMS	DMS-DR-2261 VOLUME 02 JULY, 1982
TBCA - BTWT - 1472 / CA6 CR-147,630	RESULTS OF A CARRIER AIRCRAFT VERIFICATION TEST IN THE BOEING 8 X 12 FOOT TRANSONIC TUNNEL USING A 0.03-SCALE 747 CAM/ORBITER MODEL 45-0	CARRIER W/ ORB. ALONE, CARRIER ALONE, MATED 747/ORBITER	TO OBTAIN FORCE AND MOMENT DATA ON EACH VEHICLE, MATED AND SEPARATED; TO INVESTIGATE EFFECTS OF ORBITER INCIDENCE, TAIL CONE, STRUT FAIRINGS, ELEVON, AND BODY FLAP SETTINGS	FORCE	0.03 / 0.3 - 0.7	ROCKWELL/TBCA - TRANSONIC WIND TUNNEL	J. R. CORNELIUS, A. R. WOLFLA/TBC D. A. SARVER J. E. VAUGHN -DMS	DMS-DR-2262 VOLUME 01 NOV., 1976
TBCA - BTWT - 1472 / CA6 CR-147,631	RESULTS OF A CARRIER AIRCRAFT VERIFICATION TEST IN THE BOEING 8 X 12 FOOT TRANSONIC TUNNEL USING A 0.03-SCALE 747 CAM/ORBITER MODEL 45-0	CARRIER W/ ORB. ALONE, CARRIER ALONE, MATED 747/ORBITER	TO OBTAIN FORCE AND MOMENT DATA ON EACH VEHICLE, MATED AND SEPARATED; TO INVESTIGATE EFFECTS OF ORBITER INCIDENCE, TAIL CONE, STRUT FAIRINGS, ELEVON, AND BODY FLAP SETTINGS	FORCE	0.03 / 0.3 - 0.7	ROCKWELL/TBCA - TRANSONIC WIND TUNNEL	J. R. CORNELIUS, A. R. WOLFLA/TBC D. A. SARVER J. E. VAUGHN -DMS	DMS-DR-2262 VOLUME 02 NOV., 1976

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          *                 *                 *                 *          *MODEL     *              *  COGNIZANT    *   BASIC
  TEST    *                 * CONFIGURATIONS *      TEST        *  TYPE OF *    SCALE* TESTING     *  TEST DMS     *PUBLICATIONS
   ID     *  REPORT TITLE   *     TESTED      *     PURPOSE      *   TEST   *MACH RANGE* AGENCY      *   PERSONNEL   *OR COMMENTS
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AEDC     - *RESULTS OF HEAT T*140 C ORB (B62 C1*TO DETERMINE ENTR*HEAT-TRANS*0.0175  / *ROCKWELL/    *E. C. ALLEN, W. H*DMS-DR-2263
HWTB     - *RANSFER TESTS ON *2 E52 F10 M16 R19*Y AERODYNAMIC HEA*          *8.0  -    *AEDC    -    *. DYE/RI         *MARCH,  1976
B8A       /*A 0.0175-SCALE SP*V8 W127)         *TING RATES ON ORB*          *8.0       *HYPERSONIC WIN*E. KNOX/AEDC   *
OH74       *ACE SHUTTLE ORBIT*                 *. FUSELAGE SIDE  *          *          *D TUNNEL (B)  *R. H. LINDAHL  *
CR-144,596*ER MODEL (56-0) I*                  *                 *          *          *              *-DMS           *
           *N THE AEDC VKF 'B*                 *                 *          *          *              *               *
           *' HYPERSONIC WIND*                 *                 *          *          *              *               *
           *TUNNEL (OH74)    *                 *                 *          *          *              *               *
           *                 *                 *                 *          *          *              *               *
LARC     - *TRANSONIC STABILI*SSV ORBITER 49-O *TO GENERATE A DET*FORCE     *0.35 -    *LARC    /     *J. GAMBLE, M. BUH*DMS-DR-2264
8TPT     - *TY AND CONTROL CH*MODIFIED         *AILED AERODYNAMIC*          *1.20      *LARC    -     *L, JR./JSC; B. SP*DEC.,   1975
717       /*ARACTERISTICS OF *                 *BASE TO SUBSTANT *          *          *8-FOOT TRANSON*ENCER, G. WARE/LA*
LA62       *A 0.015-SCALE (RE*                 *IATE THE DESIGN D*          *          *IC PRESSURE TU*RC             *
CR-141,843*MOTELY CONTROLLED*                  *ATA ON THE CURREN*          *          *NNEL          *H. PARRELL/RI  *
           *ELEVON) MODEL 49 *                 *T ORBITER CONFIGU*          *          *              *J. W. BALL     *
           *-O OF THE SPACE S*                 *RATION           *          *          *              *M. M. MANN     *
           *HUTTLE ORBITER TE*                 *                 *          *          *              *-DMS           *
           *STED IN THE NASA/*                 *                 *          *          *              *               *
           *LARC 8-FOOT TPT (*                 *                 *          *          *              *               *
           *LA62)            *                 *                 *          *          *              *               *
           *                 *                 *                 *          *          *              *               *
ARC      - *RESULTS OF TESTS *CONFIG 1 ORBITER *ASSESS EFFECTS OF*FORCE     * .030   / *ROCKWELL/    *J. J. MARROQUIN/R*DMS-DR-2265
12PT     - *USING A 0.030-SCA*WITH NOSE AND TAI*RCS ORIFICES LOC *          *0.26 -    *ARC     -     *I                *JAN.,   1976
078       /*LE MODEL (45-0) O*L RCS JETS       *ATED ON ORBITER N*          *0.26      *12-FOOT PRESSU*D.B. WATSON    *
OA159      *F THE SPACE SHUTT*CONFIG 2 ORBITER *OSE, EFFECTS OF M*          *          *RE TUNNEL     *-DMS           *
CR-141,832*LE VEHICLE ORBITE*WITH AFT CARRIER  *ODIFIED OMS PODS *          *          *              *               *
           *R IN THE NASA/ARC*ATTACHMENT       *AND MODIFIED ELEV*          *          *              *               *
           *12-FOOT PRESSURE *CONFIG 3 ORBITER *ONS ON THE 6-COMP*          *          *              *               *
           *TUNNEL (OA159)   *WITH GROUND PLANE*ONENT FORCE DATA.*          *          *              *               *
           *                 *CONFIG 4 ORBITER *                 *          *          *              *               *
           *                 *WITH SIMULATED BA*                 *          *          *              *               *
           *                 *LANCE SUPPORTS US*                 *          *          *              *               *
           *                 *ED IN AMES 40X80 *                 *          *          *              *               *
           *                 *                 *                 *          *          *              *               *
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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LTV -	TRANSONIC-SUPERSO	140A/B/C=B26 C9 E	TO GENERATE A DET	FORCE	0.015 /	LARC /	G. WARE, B. SPENC	DMS-DR-2266
HSWT -	NIC HIGH REYNOLDS	43 F8 M16 N28 R5	AILED AERODYNAMIC		0.6 -	LTV -	ER, JR./LARC	JULY, 1976
552 /	NUMBER STABILITY	V8 W	DATA BASE WHICH		4.6	HIGH SPEED WIN	T. C. POPE/VSD	
LA67	AND CONTROL CHAR		CAN BE USED TO SU			D TUNNEL	J. E. VAUGHN	
CR-144,607	ACTERISTICS OF A		BSTANTIATE THE AE				-DMS	
	0.015-SCALE (REMO		RODYNAMIC DATA DE					
	TELY CONTROLLED E		SIGN DATA BOOK FO					
	LEVON) MODEL 44-0		R THE CURRENT ORB					
	OF THE SPACE SHU		ITER DESIGN.					
	TTLE ORBITER TEST							
	ED IN THE VSD HIG							
	H SPEED WIND TUNN							
	EL							
LARC -	RESULTS OF TEST M	REACTION CONTROL	TO STUDY TUNNEL R	FORCE	0.0100 /	MSC /	D.B. KANIPE/JSC	DMS-DR-2267
CFHT -	A22 IN THE NASA/L	SYSTEM	EPEATABILITY AND		10.3 -	LARC -	J. W. BALL	VOLUME 01
118 /	ARC 31-INCH CFHT		EFFECT ON JET INT		10.3	CONTINUOUS-FLO	G. W. KLUG	JUNE, 1976
MA22	ON AN 0.010-SCALE		ERACTION DATA, TO			W HYPERSONIC T	-DMS	
CR-147,604	MODEL (32-0) OF T		DETERMINE EFFECTS			UNNEL		
	HE SPACE SHUTTLE		OF MODEL HEATING					
	CONFIGURATION 3 T		, ELEVON, BODYFLA					
	O DETERMINE RCS		P DEFLECTIONS ON					
	JET FLOW FIELD IN		JET INTERACTION,					
	TERACTION AND TO		STUDY MULTIPLE JE					
	INVESTIGATE RT RE		T FIRING EFFECTS,					
	AL GAS EFFECTS		INVESTIGATE AREA					
			RATIO EFFECTS, ST					
			UDY SUPER POSITIO					
			N EFFECTS					

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LARC -	RESULTS OF TEST M	REACTION CONTROL	TO STUDY TUNNEL R	FORCE	0.0100 /	MSC /	D.B. KANIPE/JSC	DMS-DR-2267
CFHT -	A22 IN THE NASA/L	SYSTEM	EPEATABILITY AND		10.3 -	LARC -	J. W. BALL	VOLUME 02
118 /	ARC 31-INCH CFHT		EFFECT ON JET INT		10.3	CONTINUOUS-FLO	G. W. KLUG	JUNE, 1976
MA22	ON AN 0.010-SCALE		ERACTION DATA, TO			W HYPERSONIC T	-DMS	
CR-147,605	MODEL (32-0) OF T		DETERMINE EFFECTS			UNNEL		
	HE SPACE SHUTTLE		OF MODEL HEATING					
	CONFIGURATION 3 T		, ELEVON, BODYFLA					
	O DETERMINE RCS		P DEFLECTIONS ON					
	JET FLOW FIELD IN		JET INTERACTION,					
	TERACTION AND TO		STUDY MULTIPLE JE					
	INVESTIGATE RT RE		T FIRING EFFECTS,					
	AL GAS EFFECTS		INVESTIGATE AREA					
			RATIO EFFECTS, ST					
			UDY SUPER POSITIO					
			N EFFECTS					
LARC -	RESULTS OF TEST M	REACTION CONTROL	TO STUDY TUNNEL R	FORCE	0.0100 /	MSC /	D.B. KANIPE/JSC	DMS-DR-2267
CFHT -	A22 IN THE NASA/L	SYSTEM	EPEATABILITY AND		10.3 -	LARC -	J. W. BALL	VOLUME 03
118 /	ARC 31-INCH CFHT		EFFECT ON JET INT		10.3	CONTINUOUS-FLO	G. W. KLUG	JUNE, 1976
MA22	ON AN 0.010-SCALE		ERACTION DATA, TO			W HYPERSONIC T	-DMS	
CR-147,606	MODEL (32-0) OF T		DETERMINE EFFECTS			UNNEL		
	HE SPACE SHUTTLE		OF MODEL HEATING					
	CONFIGURATION 3 T		, ELEVON, BODYFLA					
	O DETERMINE RCS		P DEFLECTIONS ON					
	JET FLOW FIELD IN		JET INTERACTION,					
	TERACTION AND TO		STUDY MULTIPLE JE					
	INVESTIGATE RT RE		T FIRING EFFECTS,					
	AL GAS EFFECTS		INVESTIGATE AREA					
			RATIO EFFECTS, ST					
			UDY SUPER POSITIO					
			N EFFECTS					

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LARC -	RESULTS OF TEST M	REACTION CONTROL	TO STUDY TUNNEL R	FORCE	0.0100 /	MSC /	D.B. KANIPE/JSC	DMS-DR-2267
CFHT -	A22 IN THE NASA/L	SYSTEM	EPEATABILITY AND		10.3 -	LARC -	J. W. BALL	VOLUME 04
118 /	ARC 31-INCH CFHT		EFFECT ON JET INT		10.3	CONTINUOUS-FLO	G. W. KLUG	JUNE, 1976
MA22	ON AN 0.010-SCALE		ERACTION DATA, TO			W HYPERSONIC T	-DMS	
CR-147,607	MODEL (32-0) OF T		DETERMINE EFFECTS			UNNEL		
	HE SPACE SHUTTLE		OF MODEL HEATING					
	CONFIGURATION 3 T		, ELEVON, BODYFLA					
	O DETERMINE RCS		P DEFLECTIONS ON					
	JET FLOW FIELD IN		JET INTERACTION,					
	TERACTION AND TO		STUDY MULTIPLE JE					
	INVESTIGATE RT RE		T FIRING EFFECTS,					
	AL GAS EFFECTS		INVESTIGATE AREA					
			RATIO EFFECTS, ST					
			UDY SUPER POSITIO					
			N EFFECTS					
TBCA -	RESULTS OF AN INV	BOEING AX1319P-1	SIX-COMPONENT FOR	FORCE	0.03 ,	ROCKWELL/	W.R. COVINGTON/BO	DMS-DR-2268
BTWT -	ESTIGATION OF AER	CARRIER	CE AND MOMENT DAT	PRESSURE	0.03 /	TBCA -	EING, H.SEXTON,H.	VOLUME 01
1477 /	ODYNAMIC FORCES,	ORBITER 47-0	A WERE MEASURED O		0.4 -	TRANSONIC WIND	S.LUTFI,S.L. OLLM	JUNE, 1979
CA9	MOMENTS, AND PRES		N THE TOTAL VEHIC		0.70	TUNNEL	ANN/RI	
CA9P	SURES ON 0.03-SCA		LE AND ON THE ORB				R. H. LINDAHL	
CR-151,396	LE MODELS OF THE		ITER TAILCONE. TH				-DMS	
	MATED SPACE SHUTT		REE-COMPONENT FOR					
	LE ORBITER AND CA		CE AND MOMENT DAT					
	RRIER AIRCRAFT (M		A WERE MEASURED O					
	ODEL NUMBERS AX13		N THE CARRIER RIG					
	19P-1 AND 47-0) I		HT TIP FIN. ORBIT					
	N THE BOEING TRAN		ER ELEVON HINGE M					
	SONIC WIND TUNNEL		OMENTS WERE ALSO					
	(CA9)		MEASURED.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA -	RESULTS OF AN INV	BOEING AX1319P-1	SIX-COMPONENT FOR	FORCE	0.03 ,	ROCKWELL/	W.R. COVINGTON/BO	DMS-DR-2268
BTWT -	ESTIGATION OF AER	CARRIER	CE AND MOMENT DAT	PRESSURE	0.03 /	TBCA -	EING, H.SEXTON,H.	VOLUME 02
1477 /	ODYNAMIC FORCES,	ORBITER 47-0	A WERE MEASURED O		0.4 -	TRANSONIC WIND	S.LUTFI,S.L. OLLM	JUNE, 1979
CA9	MOMENTS, AND PRES		N THE TOTAL VEHIC		0.70	TUNNEL	ANN/RI	
CA9P	SURES ON 0.03-SCA		LE AND ON THE ORB				R. H. LINDAHL	
CR-151,397	LE MODELS OF THE		ITER TAILCONE. TH				-DMS	
	MATED SPACE SHUTT		REE-COMPONENT FOR					
	LE ORBITER AND CA		CE AND MOMENT DAT					
	RRIER AIRCRAFT (M		A WERE MEASURED O					
	ODEL NUMBERS AX13		N THE CARRIER RIG					
	19P-1 AND 47-0) I		HT TIP FIN. ORBIT					
	N THE BOEING TRAN		ER ELEVON HINGE M					
	SONIC WIND TUNNEL		OMENTS WERE ALSO					
	(CA9)		MEASURED.					
TBCA -	RESULTS OF AN INV	BOEING AX1319P-1	SIX-COMPONENT FOR	FORCE	0.03 ,	ROCKWELL/	W.R. COVINGTON/BO	DMS-DR-2268
BTWT -	ESTIGATION OF AER	CARRIER	CE AND MOMENT DAT	PRESSURE	0.03 /	TBCA -	EING, H.SEXTON,H.	VOLUME 03
1477 /	ODYNAMIC FORCES,	ORBITER 47-0	A WERE MEASURED O		0.4 -	TRANSONIC WIND	S.LUTFI,S.L. OLLM	JUNE, 1979
CA9	MOMENTS, AND PRES		N THE TOTAL VEHIC		0.70	TUNNEL	ANN/RI	
CA9P	SURES ON 0.03-SCA		LE AND ON THE ORB				R. H. LINDAHL	
CR-151,398	LE MODELS OF THE		ITER TAILCONE. TH				-DMS	
	MATED SPACE SHUTT		REE-COMPONENT FOR					
	LE ORBITER AND CA		CE AND MOMENT DAT					
	RRIER AIRCRAFT (M		A WERE MEASURED O					
	ODEL NUMBERS AX13		N THE CARRIER RIG					
	19P-1 AND 47-0) I		HT TIP FIN. ORBIT					
	N THE BOEING TRAN		ER ELEVON HINGE M					
	SONIC WIND TUNNEL		OMENTS WERE ALSO					
	(CA9)		MEASURED.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA -	RESULTS OF AN INV	BOEING AX1319P-1	SIX-COMPONENT FOR	FORCE	0.03 ,	ROCKWELL/	W.R. COVINGTON/BO	DMS-DR-2268
BTWT -	ESTIGATION OF AER	CARRIER	CE AND MOMENT DAT	PRESSURE	0.03 /	TBCA -	EING, H.SEXTON,H.	VOLUME 04
1477 /	ODYNAMIC FORCES,	ORBITER 47-0	A WERE MEASURED O		0.4 -	TRANSONIC WIND	S.LUTFI,S.L. OLLM	JUNE, 1979
CA9	MOMENTS, AND PRES		N THE TOTAL VEHIC		0.70	TUNNEL	ANN/RI	
CA9P	SURES ON 0.03-SCA		LE AND ON THE ORB				R. H. LINDAHL	
CR-151,399	LE ODDELS OF THE		ITER TAILCONE. TH				-DMS	
	MATED SPACE SHUTT		REE-COMPONENT FOR					
	LE ORBITER AND CA		CE AND MOMENT DAT					
	RRIER AIRCRAFT (M		A WERE MEASURED O					
	ODEL NUMBERS AX13		N THE CARRIER RIG					
	19P-1 AND 47-0) I		HT TIP FIN. ORBIT					
	N THE BOEING TRAN		ER ELEVON HINGE M					
	SONIC WIND TUNNEL		OMENTS WERE ALSO					
	(CA9)		MEASURED.					
TBCA -	RESULTS OF AN INV	BOEING AX1319P-1	SIX-COMPONENT FOR	FORCE	0.03 ,	ROCKWELL/	W.R. COVINGTON/BO	DMS-DR-2268
BTWT -	ESTIGATION OF AER	CARRIER	CE AND MOMENT DAT	PRESSURE	0.03 /	TBCA -	EING, H.SEXTON,H.	VOLUME 05
1477 /	ODYNAMIC FORCES,	ORBITER 47-0	A WERE MEASURED O		0.4 -	TRANSONIC WIND	S.LUTFI,S.L. OLLM	JUNE, 1979
CA9	MOMENTS, AND PRES		N THE TOTAL VEHIC		0.70	TUNNEL	ANN/RI	
CA9P	SURES ON 0.03-SCA		LE AND ON THE ORB				R. H. LINDAHL	
CR-151,400	LE MODELS OF THE		ITER TAILCONE. TH				-DMS	
	MATED SPACE SHUTT		REE-COMPONENT FOR					
	LE ORBITER AND CA		CE AND MOMENT DAT					
	RRIER AIRCRAFT (M		A WERE MEASURED O					
	ODEL NUMBERS AX13		N THE CARRIER RIG					
	19P-1 AND 47-0) I		HT TIP FIN. ORBIT					
	N THE BOEING TRAN		ER ELEVON HINGE M					
	SONIC WIND TUNNEL		OMENTS WERE ALSO					
	(CA9)		MEASURED.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN -	TRANSONIC HIGH RE	140A/B/C=B26 C9 E	TO OBTAIN BASIC S	FORCE	0.015 /	LARC /	H. PARRELL/RI	DMS-DR-2269
8TWT -	YNOLDS NUMBER STA	43 F8 M16 N28 R5	HUTTLE AERO DATA		.35 -	CALSPAN -	J. D. GAMBLE/JSC	SEPT., 1976
T18-103 /	BILITY AND CONTRO	V8 W	THROUGH A FULL RA		1.20	8-FOOT TRANSON	R. H. LINDAHL	
LA70	L CHARACTERISTICS		NGE OF ELEVON AND			IC WIND TUNNEL	-DMS	
CR-147,624	OF A 0.015-SCALE		AILERON DEFLECTIO					
	REMOTELY CONTROLL		NS, VERIFICATION					
	ED ELEVON MODEL (		OF DATA OBTAINED					
	44-0) OF THE SPAC		AT OTHER FACILITI					
	E SHUTTLE ORBITER		ES, AND EFFECTS O					
	TESTED IN THE CA		F REYNOLDS NUMBER					
	LSPAN 8-FOOT TWT							
LARC -	LOW SUPERSONIC ST	ORBITER W/ INDEPE	TO GENERATE A DET	FORCE	0.015 /	LARC /	J. D. GAMBLE/JSC	DMS-DR-2270
UPWT -	ABILITY AND CONTR	NDENTLY-OPERATED	AILED AERODYNAMIC		1.5 -	LARC -		DEC., 1975
1118 /	OL CHARACTERISTIC	LEFT,RIGHT ELEVON	DATA BASE FOR TH		2.0	UNITARY PLAN W		
LA63A	S OF A 0.015-SCAL	SURFACES	E CURRENT ORBITER			IND TUNNEL		
CR-144,579	E REMOTELY CONTRO		CONFIGURATION					
	LLED ELEVON MODEL							
	(49-0) OF THE SP							
	ACE SHUTTLE ORBIT							
	ER (LA63A)							
LARC -	SUPERSONIC STABIL	MODEL 69-0 WITH F	TO DETERMINE SUPE	FORCE	0.015 /	LARC /	W. P. PHILLIPS/LA	DMS-DR-2271
UPWT -	ITY AND CONTROL C	OREBODY RSI MODS	RSONIC AERODYNAMI		1.5 -	LARC -	RC	FEB., 1977
1147 /	HARACTERISTICS OF		CS EFFECTS OF RSI		4.6	UNITARY PLAN W	J. E. VAUGHN	
1132 /	A 0.015 SCALE MO		REDUCTION ON FOR			IND TUNNEL	D.B. WATSON	
LA71A/B	DEL 69-0 OF THE S		EBODY				-DMS	
CR-151,044	PACE SHUTTLE ORBI							
	TER WITH FOREBODY							
	RSI MODIFICATION							
	S IN THE NASA/LAR							
	C 4-FOOT UPWT (LE							
	GS 1 AN) 2)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF AN INV	SSV 3	TO INVESTIGATE AE	FORCE	0.010 /	ROCKWELL/	E. CHEE, J. DAILE	DMS-DR-2272
HWTB -	ESTIGATION OF EXT		RODYNAMIC INTERAC		5.93 -	AEDC -	DA/JSC	VOLUME 01
C4A /	ERNAL TANK SEPARA		TIONS BETWEEN ET			HYPERSONIC WIN	J. E. VAUGHN	JUNE, 1977
IA114	TION EFFECTS USIN		AND ORBITER DURIN			D TUNNEL (B)	M. M. MOSER JR.	
CR-151,077	G AN 0.010-SCALE		G RTLS ABORT SEPA				-DMS	
	MODEL (52-OT) SPA		RATION					
	CE SHUTTLE VEHICL							
	E IN THE ARNOLD E							
	NGINEERING DEVELO							
	PMENT CENTER VON							
	KARMAN FACILITY T							
	UNNEL B							
AEDC -	RESULTS OF AN INV	SSV 3	TO INVESTIGATE AE	FORCE	0.010 /	ROCKWELL/	E. CHEE, J. DAILE	DMS-DR-2272
HWTB -	ESTIGATION OF EXT		RODYNAMIC INTERAC		5.93 -	AEDC -	DA/JSC	VOLUME 02
C4A /	ERNAL TANK SEPARA		TIONS BETWEEN ET			HYPERSONIC WIN	J. E. VAUGHN	JUNE, 1977
IA114	TION EFFECTS USIN		AND ORBITER DURIN			D TUNNEL (B)	M. M. MOSER JR.	
CR-151,078	G AN 0.010-SCALE		G RTLS ABORT SEPA				-DMS	
	MODEL (52-OT) SPA		RATION					
	CE SHUTTLE VEHICL							
	E IN THE ARNOLD E							
	NGINEERING DEVELO							
	PMENT CENTER VON							
	KARMAN FACILITY T							
	UNNEL B							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LTV -	RESULTS OF AN AER	AX1318I-1, 747/1,	TO PRESENT THE PR	FORCE	0.0125 /	ROCKWELL/	R.L. GILLINS, V.E	DMS-DR-2273
HSWT -	ODYNAMIC INVESTIG	747/4	OXIMITY EFFECTS O	PRESSURE	0.3 -	LTV -	SPARZA/RI	VOLUME 01
559 /	ATION OF A SPACE	48-O (02, 04, 06,	F EACH VEHICLE ON		0.7	HIGH SPEED WIN	CARL ZIEGLER/GAS	MAY, 1976
CA26	SHUTTLE ORBITER/7	S1, ATY, ATX)	THE OTHER AT SEP			D TUNNEL	DYNAMICS LAB	
CR-144,612	47 CARRIER FLIGHT		ARATION DISTANCES				D. A. SARVER	
	TEST CONFIGURATI		(FROM THE MATED				G. W. KLUG	
	ON TO DETERMINE S		CONFIGURATION) RA				-DMS	
	EPARATION CHARACT		NGING FROM 1.5 FE					
	ERISTICS UTILIZI		ET TO 75 FEET.					
	NG 0.0125-SCALE M							
	ODELS (48-O/AX131							
	8I-1) IN THE LTV							
	4X4-FOOT HIGH SPE							
	ED WIND TUNNEL (C							
	A26)							
LTV -	RESULTS OF AN AER	AX1318I-1, 747/1,	TO PRESENT THE PR	FORCE	0.0125 /	ROCKWELL/	R.L. GILLINS, V.E	DMS-DR-2273
HSWT -	ODYNAMIC INVESTIG	747/4	OXIMITY EFFECTS O	PRESSURE	0.3 -	LTV -	SPARZA/RI	VOLUME 02
559 /	ATION OF A SPACE	48-O (02, 04, 06,	F EACH VEHICLE ON		0.7	HIGH SPEED WIN	CARL ZIEGLER/GAS	JUNE, 1976
CA26	SHUTTLE ORBITER/7	S1, ATY, ATX)	THE OTHER AT SEP			D TUNNEL	DYNAMICS LAB	
CR-144,613	47 CARRIER FLIGHT		ARATION DISTANCES				D. A. SARVER	
	TEST CONFIGURATI		(FROM THE MATED				G. W. KLUG	
	ON TO DETERMINE S		CONFIGURATION) RA				-DMS	
	EPARATION CHARACT		NGING FROM 1.5 FE					
	ERISTICS UTILIZI		ET TO 75 FEET.					
	NG 0.0125-SCALE M							
	ODELS (48-O/AX131							
	8I-1) IN THE LTV							
	4X4-FOOT HIGH SPE							
	ED WIND TUNNEL (C							
	A26)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LTV -	RESULTS OF AN AER	AX1318I-1, 747/1,	TO PRESENT THE PR	FORCE	0.0125 /	ROCKWELL/	R.L. GILLINS, V.E	DMS-DR-2273
HSWT -	ODYNAMIC INVESTIG	747/4	OXIMITY EFFECTS O	PRESSURE	0.3 -	LTV -	SPARZA/RI	VOLUME 03
559 /	ATION OF A SPACE	48-O (O2, O4, O6,	F EACH VEHICLE ON		0.7	HIGH SPEED WIN	CARL ZIEGLER/GAS	JUNE, 1976
CA26	SHUTTLE ORBITER/7	S1, ATY, ATX)	THE OTHER AT SEP			D TUNNEL	DYNAMICS LAB	
CR-144,614	47 CARRIER FLIGHT		ARATION DISTANCES				D. A. SARVER	
	TEST CONFIGURATI		(FROM THE MATED				G. W. KLUG	
	ON TO DETERMINE S		CONFIGURATION) RA				-DMS	
	EPARATION CHARACT		NGING FROM 1.5 FE					
	ERISTICS UTILIZI		ET TO 75 FEET.					
	NG 0.0125-SCALE M							
	ODELS (48-O/AX131							
	8I-1) IN THE LTV							
	4X4-FOOT HIGH SPE							
	ED WIND TUNNEL (C							
	A26)							
LTV -	RESULTS OF AN AER	AX1318I-1, 747/1,	TO PRESENT THE PR	FORCE	0.0125 /	ROCKWELL/	R.L. GILLINS, V.E	DMS-DR-2273
HSWT -	ODYNAMIC INVESTIG	747/4	OXIMITY EFFECTS O	PRESSURE	0.3 -	LTV -	SPARZA/RI	VOLUME 04
559 /	ATION OF A SPACE	48-O (O2, O4, O6,	F EACH VEHICLE ON		0.7	HIGH SPEED WIN	CARL ZIEGLER/GAS	JUNE, 1976
CA26	SHUTTLE ORBITER/7	S1, ATY, ATX)	THE OTHER AT SEP			D TUNNEL	DYNAMICS LAB	
CR-144,615	47 CARRIER FLIGHT		ARATION DISTANCES				D. A. SARVER	
	TEST CONFIGURATI		(FROM THE MATED				G. W. KLUG	
	ON TO DETERMINE S		CONFIGURATION) RA				-DMS	
	EPARATION CHARACT		NGING FROM 1.5 FE					
	ERISTICS UTILIZI		ET TO 75 FEET.					
	NG 0.0125-SCALE M							
	ODELS (48-O/AX131							
	8I-1) IN THE LTV							
	4X4-FOOT HIGH SPE							
	ED WIND TUNNEL (C							
	A26)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LTV -	RESULTS OF AN AER	AX1318I-1, 747/1,	TO PRESENT THE PR	FORCE	0.0125 /	ROCKWELL/	R.L. GILLINS, V.E	DMS-DR-2273
HSWT -	ODYNAMIC INVESTIG	747/4	OXIMITY EFFECTS O	PRESSURE	0.3 -	LTV -	SPARZA/RI	VOLUME 05
559 /	ATION OF A SPACE	48-O (O2, O4, O6,	F EACH VEHICLE ON		0.7	HIGH SPEED WIN	CARL ZIEGLER/GAS	JUNE, 1976
CA26	SHUTTLE ORBITER/7	S1, ATY, ATX)	THE OTHER AT SEP			D TUNNEL	DYNAMICS LAB	
CR-144,616	47 CARRIER FLIGHT		ARATION DISTANCES				D. A. SARVER	
	TEST CONFIGURATI		(FROM THE MATED				G. W. KLUG	
	ON TO DETERMINE S		CONFIGURATION) RA				-DMS	
	EPARATION CHARACT		NGING FROM 1.5 FE					
	ERISTICS UTILIZI		ET TO 75 FEET.					
	NG 0.0125-SCALE M							
	ODELS (48-0/AX131							
	8I-1) IN THE LTV							
	4X4-FOOT HIGH SPE							
	ED WIND TUNNEL (C							
	A26)							
MSFC -	AN INVESTIGATION	74-OTS, VEH. 5 (A	TO DETERMINE STAT	FORCE	0.6 -	MSFC /	P. E. RAMSEY/MSFC	DMS-DR-2274
14TWT -	OF DRAG REDUCTION	SCENT CONFIG.)	IC STABILITY AND		4.96	MSFC -	V. W. SPARKS	FEB., 1976
600 /	FAIRINGS ON THE		DRAG ON A 0.004-S			14-INCH TRISON	V. W. SPARKS	
FA14	SPACE SHUTTLE VEH		CALE MODEL OF THE			IC WIND TUNNEL	-DMS	
CR-144,593	ICLE 5 CONFIGURAT		SHUTTLE AS CENT C					
	ION (MODEL 74-OT		ONFIGURATION					
	S) IN THE MSFC 14							
	-INCH TRISONIC WI							
	ND TUNNEL							
ARC -	RESULTS OF AN EXP	0.0125-SCALE SSV	LONGITUDINAL,LATE	FORCE	0.0125 /	ROCKWELL/	V. ESPARZA,RI,J.	DMS-DR-2275
14-TWT -	ERIMENTAL INVESTI	ORBITER	RAL AND NORMAL SE		.3 -	ARC -	BROWNSON,D. PENA,	VOLUME 01
120 /	GATION TO DETERMI	0.0125-SCALE 747	PARATION INCREMEN		.6	14-FOOT TRANSO	ARC	MAY, 1976
CA23B	NE SEPARATION CHA	MODEL	TS WERE OBTAINED			NIC WIND TUNNE	R. H. LINDAHL	
CR-144,603	RACTERISTICS FOR		FOR FIXED 747 ANG			L	-DMS	
	THE ORBITER/747 U		LES OF ATTACK OF					
	SING A 0.0125-SCA		0,2,4 DEGREES WHI					
	LE MODEL (48-0 AX		LE VARYING ORBITE					
	1318I-1 747) IN T		R ANGLE OF ATTACK					
	HE AMES RESEARCH							
	CENTER 14-FOOT WI							
	ND TUNNEL (CA23B)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN EXP	0.0125-SCALE SSV	LONGITUDINAL,LATE	FORCE	0.0125 /	ROCKWELL/	V. ESPARZA,RI,J.	DMS-DR-2275
14-TWT -	ERIMENTAL INVESTI	ORBITER	RAL AND NORMAL SE		.3 -	ARC -	BROWNSON,D. PENA,	VOLUME 02
120 /	GATION TO DETERMI	0.0125-SCALE 747	PARATION INCREMEN		.6	14-FOOT TRANSO	ARC	MAY, 1976
CA23B	NE SEPARATION CHA	MODEL	TS WERE OBTAINED			NIC WIND TUNNE	R. H. LINDAHL	
CR-144,604	RACTERISTICS FOR		FOR FIXED 747 ANG			L	-DMS	
	THE ORBITER/747 U		LES OF ATTACK OF					
	SING A 0.0125-SCA		0,2,4 DEGREES WHI					
	LE MODEL (48-O AX		LE VARYING ORBITE					
	1318I-1 747) IN T		R ANGLE OF ATTACK					
	HE AMES RESEARCH							
	CENTER 14-FOOT WI							
	ND TUNNEL (CA23B)							
AEDC -	HEAT TRANSFER AND	40-DEG NOSE-CLEAN	DETERMINE THE INF	HEAT-TRANS	2.5 -	MSFC /	H. R. CARROLL/MMC	DMS-DR-2276
SWTA -	SURFACE PRESSURE	(NO PROTUBERANCES	LUENCE OF A NEW V		5.5	AEDC -	J. E. VAUGHN	JUNE, 1977
E1A /	DATA OBTAINED ON	)	ENT CAP/LIGHTNING			SUPERSONIC WIN	M. M. MANN	
FH13	A .0429 SCALE MO	DOUBLE CONE(10-DE	ROD CONFIGURATIO			D TUNNEL (A)	-DMS	
CR-151,055	DEL SSV EXTERNAL	G-40-DEG)(NO PROT	N WHICH FORMS THE					
	TANK NOSE SECTION	UBERANCES)	NOSE TIP ON THE					
	AT MACH NUMBERS	DOUBLE CONE WITH	SHUTTLE EXTERNAL					
	FROM 2.5 TO 5.5	PROTUBERANCES	TANK.					
	(FH13)							
MSFC. -	FORCE TEST OF A O	MODEL 461, 142-IN	TO OBTAIN AERODYN	FORCE	0.88 /	MSFC /	J. D. JOHNSON/MSF	DMS-DR-2277
HRWT -	.88 PERCENT SCALE	CH DIA. WITHOUT P	AMIC FORCE DATA O		0.6 -	MSFC -	C	JULY, 1976
034 /	142-INCH DIAMETE	ROTUBERANCES	VER A LARGE RANGE		0.7	HIGH REYNOLDS	G. W. WINKLER/NSI	
SA13F	R SOLID ROCKET BO		OF REYNOLDS NUMB			NUMBER WIND TU	V. W. SPARKS	
CR-144,579	OSTER (MSFC MODEL		ERS			NNEL	-DMS	
	NUMBER 461) IN T							
	HE NASA/MSFC HIGH							
	REYNOLDS NUMBER							
	WIND TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - LTPT - 219 / LA61	LOW-SUBSONIC STABILITY AND CONTROL CHARACTERISTICS OF A 0.010-SCALE REMOTELY CONTROLLED ELEVON MODEL (49-0) OF THE SPACE SHUTTLE ORBITER IN THE LANGLEY RESEARCH CENTER LOW TURBULENCE PRESSURE TUNNEL	TEST CANCELLED, MAY 1976	TEST CANCELLED, MAY 1976	FORCE	0.015 / 0.06 - 0.30	LARC / LARC - LOW-TURBULENCE PRESSURE TUNNEL	B. SPENCER, JR./LARC G. WARE/LARC	DMS-DR-2278 TASK CANCELLED MAY, 1976
LARC - UPWT - 1151 / LA63B CR-144,606	HIGH SUPERSONIC STABILITY AND CONTROL CHARACTERISTICS OF A 0.015-SCALE (REMOTELY CONTROLLED ELEVON) MODEL 49-0 OF THE SPACE SHUTTLE ORBITER TESTED IN THE NASA/LARC 4-FOOT UPWT(LEG 2)	140A/B/C (B26 C9 E43 F8 M16 N28 R5 V8 W)	TO GENERATE A DETAILED AERODYNAMIC DATA BASE FOR CURRENT SS ORB. CONF.	FORCE	2.86 - 4.60	LARC / LARC - UNITARY PLAN WIND TUNNEL	B. SPENCER, JR., G. WARE, R. FOURNIER/LARC J. GAMBLE/JSC J. W. BALL J. E. VAUGHN -DMS	DMS-DR-2279 JUNE, 1976
LTV - HSWT - 498 / LA28 CR-144,582	HEAT-FLUX GAGE MEASUREMENTS ON A FLAT PLATE AT A MACH NUMBER OF 4.6 IN THE VSD HIGH SPEED WIND TUNNEL-A FEASIBILITY TEST (LA28)	FLAT-PLATE MODEL WITH THIN-FILM HEAT FLUX GAGES	TO DETERMINE FEASIBILITY OF USING THIN-FILM HEAT-FLUX GAGES TO DEFINE BOUNDARY LAYER CHARACTERISTICS AT SUPERSONIC SPEEDS	HEAT-TRANS	1.0 / 4.6 - 4.6	LARC / LTV - HIGH SPEED WIND TUNNEL	B. SPENCER, JR., R. L. STALLINGS / LARC T. C. POPE / LTV J. W. BALL M. M. MOSER JR. -DMS	DMS-DR-2280 JAN., 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	SUBSONIC STABILIT	BASELINE	DEFINE NON-LINEAR	FORCE	0.015 /	LARC /	J.M. UNDERWOOD/JS	DMS-DR-2281
12PT -	Y AND CONTROL CHA		AERODYNAMIC CHAR		0.22 -	ARC -	C	SEPT., 1976
135-1 /	RACTERISTICS OF A		ACTERISTICS UTILI		0.29	12-FOOT PRESSU	H. PARRELL/ROCKWE	
LA66	0.015-SCALE (REM		ZING SMALL INCREM			RE TUNNEL	LL INTERNATIONAL	
CR-147,621	OTELY CONTROLLED		ENTS IN ALPHA, BE				D.B. WATSON	
	ELEVON) MODEL 44-		TA, AND ELEVON				-DMS	
	O OF THE SPACE SH							
	UTTLE ORBITER TES							
	TED IN THE NASA,A							
	RC 12-FOOT PRESSU							
	RE TUNNEL (LA66							
LERC -	BASE PRESSURE AND	PLUME SIMULATION	OBTAIN BASE DATA	HEAT-TRANS	0.0225 /	ROCKWELL/	J.W.FOUST/RI	DMS-DR-2282
10SWT -	HEAT TRANSFER TE	MODEL 19-OTS	AT LOWER ALTITUDE		2.2 -	LERC -	D.W.HERSEY	APRIL, 1978
038 /	STS OF THE 0.0225		S THAN PREVIOUSLY		3.5	10 BY 10-FOOT	-DMS	
IH34	-SCALE SPACE SHUT		TESTED OBTAIN BA			SUPERSONIC WIN		
CR-151,407	TLE PLUME SIMULAT		SE DATA ABOUT SSM			D TUNNEL		
	ION MODEL 19-OTS		E PARALLEL POSITI					
	IN THE NASA-LEWIS		ON VERIFY PREVIOU					
	10X10 FOOT SWT		S BASE DATA OBTAI					
			N GAS RECOVERY TE					
			MPERATURE DATA					
LTV -	A LOW SPEED WIND	ORBITER 089B	CONFIGURATIONAL E	FORCE	.050 /	MSC /	D.B. WATSON	DMS-DR-2283
LSWT -	TUNNEL TEST OF A		FFECTS STUDY FOR		.067 -	LTV -	-DMS	NOV., 1976
422 /	0.050 SCALE MODEL		6 CANARDS AND TWO		.067	LOW SPEED WIND		
MA14	OF SHUTTLE ORBIT		TAILS ON ORBITER			TUNNEL		
CR-147,649	ER (MODEL 089B) T		089B					
	O INVESTIGATE THE							
	LONGITUDINAL AND							
	LATERAL DIRECTIO							
	NAL EFFECTS OF CA							
	NARD AND TAIL CON							
	FIGURATIONAL MODI							
	FICATIONS IN THE							
	LTV LSWT							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 97SWT - 113 / 11TWT - IS2A/B CR-151,035	AERODYNAMIC NOISE OF THE 0.035-SCA LE INTEGRATED SPA CE SHUTTLE VEHICL E MODEL (84-OTS) IN THE NASA-AMES RESEARCH CENTER U NITARY PLAN WIND TUNNELS (IS2A/B)	INTEGRATED SPACE SHUTTLE VEHICLE 84-OTS	TO MEASURE AERODY NAMIC NOISE ON TH E INTEGRATED SHUT TLE, TO MEASURE F LUCTUATING PRESSU RES IN THE ORBITE R PAYLOAD BAY DUE TO AERODYNAMIC FLOW ACROSS THE V ENT SYSTEM HOLES, TO DEFINE FORE A ND AFT BUFFET LOA DS ON THE VERTICA L TAIL	STRUCT-DYN	0.035 / 0.65 - 2.5	ROCKWELL/ ARC - 9-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY) 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	J. W. FOUST/RI D. L. KASSNER/ARC W. B. MEINDERS -DMS	DMS-DR-2284 VOLUME 01 MAY, 1977
ARC - 97SWT - 113 / 11TWT - IS2A/B CR-151,036	AERODYNAMIC NOISE OF THE 0.035-SCA LE INTEGRATED SPA CE SHUTTLE VEHICL E MODEL (84-OTS) IN THE NASA-AMES RESEARCH CENTER U NITARY PLAN WIND TUNNELS (IS2A/B)	INTEGRATED SPACE SHUTTLE VEHICLE 84-OTS	TO MEASURE AERODY NAMIC NOISE ON TH E INTEGRATED SHUT TLE, TO MEASURE F LUCTUATING PRESSU RES IN THE ORBITE R PAYLOAD BAY DUE TO AERODYNAMIC FLOW ACROSS THE V ENT SYSTEM HOLES, TO DEFINE FORE A ND AFT BUFFET LOA DS ON THE VERTICA L TAIL	STRUCT-DYN	0.035 / 0.65 - 2.5	ROCKWELL/ ARC - 9-FOOT BY 7-FO OT SUPERSONIC WIND TUNNEL (U NITARY) 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	J. W. FOUST/RI D. L. KASSNER/ARC W. B. MEINDERS -DMS	DMS-DR-2284 VOLUME 02 MAY, 1977
AEDC - HWTB - VA526/21B/ OH50A CR-144,595	RESULTS OF TESTS USING THE PHASE C HANGE PAINT TECHN IQUE ON 0.04 SCAL E 50 PERCENT FORE BODY MODELS (82-O) OF THE ROCKWELL SPACE SHUTTLE OR BITER	82-0, WITH AND WI THOUT PROTUBERANC ES, 50% FOREBODY MODELS	TO DETERMINE AERO DYNAMIC AERODYNAM IC HEATING RATES DUE TO VARIOUS PR OTUBERANCES AND R ECESSIONS	HEAT-TRANS	0.04 / 8.0 - 8.0	ROCKWELL/ AEDC - HYPERSONIC WIN D TUNNEL (B)	M. QUAN/RI D. A. SARVER M. M. MOSER JR. -DMS	DMS-DR-2285 APRIL, 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN AIR	SSV ORBITER (MODE	TO MEASURE PROBE	FORCE	0.4 -	ROCKWELL/	V. ESPARZA/ROCKWE	DMS-DR-2286
14-TWT -	PROBE INVESTIGAT	L 57-0) FOREBODY	STATIC PRESSURE E		1.2	ARC -	LL D.E. THORNTO	OCT., 1976
150-1 /	ION UTILIZING A O	WITH TPS TILES AL	RROR, TO DETERMIN			14-FOOT TRANSO	N/ROCKWELL	
OA220	.10 SCALE ORBITER	ONE	E LOCAL ANGLE OF			NIC WIND TUNNE	H. AUGUST/ROCKWEL	
CR-147,625	(MODEL 57-0) FOR	SSV ORBITER (MODE	ATTACK, AND TO DE			L	L A. MENA/ROCK	
	EBODY IN THE AMES	L 57-0) FOREBODY	TERMINE THE INFLU				WELL	
	RESEARCH CENTER	WITH TPS TILES IN	ENCE OF THE AIR V				R. B. LOWE	
	14 FOOT WIND TUNN	MODIFIED CONFIG.	ENT DOOR. TWO ALT				-DMS	
	EL (OA220)	SSV ORBITER (MODE	ERNATE AIR DATA S					
		L 57-0) FOREBODY	YSTEMS WILL ALSO					
		,TPS, WITH ADP AN	BE EVALUATED,NAME					
		D THE ORBITER ADP	LY, A FLUSH PORT					
		,FLIGHTTEST NOSE	SYSTEM IN THE FOR					
		BOOM WITH MODIFIE	WARD FUSELAGE, AN					
		D TPS AND TPS FLI	D INSTRUMENTED IN					
		GHT CONFIGURATION	THE RCS CHAMBERS					
LERC -	RESULTS OF BASE H	BASE HEATING MODE	DETERMINE GAS REC	HEAT-TRANS	0.04 /	ROCKWELL/	W. GARTON/RI	DMS-DR-2288
SPF -	EATING INVESTIGAT	L 25-0	OVERY TEMPERATURE			LERC -	J. E. VAUGHN	NOV., 1977
OH64	IONS ON A 0.04 SC		S PRESSURE DISTR			SPACE POWER FA	M. M. MOSER JR.	
CR-151,384	ALE SPACE SHUTTLE		IBUTIONS, BASE HE			CILITY	-DMS	
	ORBITER BASE (MOD		ATING RATES DURIN					
	EL 25-0) IN THE N		G 2ND STAGE ASCEN					
	ASA/LARC SPACE PO		T RESULTING FROM					
	WER FACILITY		PLUME RECIRCULATI					
			ON AND DIRECT PLU					
			ME IMPINGEMENT					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	RESULTS OF A LAND	SPACE SHUTTLE ORB	TO DEFINE THE ORB	FORCE	0.0405 /	ROCKWELL/	R.B.RUSSELL, R. C	DMS-DR-2289
LSWT -	ING LOADS TEST US	ITER 140C	ITER LANDING GEAR	PRESSURE	0.17 -	NRLAD -	. MENNELL/RI	VOLUME 01
751 /	ING A 0.0405-SCAL		SYSTEM PRESSURE		0.17	LOW SPEED WIND	D.W.HERSEY	DEC., 1976
OA163	E MODEL (16-0) OF		LOADING, TO RECOR			TUNNEL ,	W. B. MEINDERS	
CR-147,611	THE SPACE SHUTTL		D LANDING GEAR DO				-DMS	
	E ORBITER IN THE		OR AND STRUT HING					
	ROCKWELL INTERNAT		E MOMENT LEVELS,					
	IONAL NAAL WIND T		TO RECORD AERODYN					
	UNNEL (OA163)		AMIC INFLUENCE OF					
			LANDING GEAR ON					
			ORBITER FORCE DAT					
			A AND TO INVESTIG					
			ATE 40X80 ARC TUN					
			NEL STRUT SIMULAT					
			ION EFFECTS.					
NRLAD -	RESULTS OF A LAND	SPACE SHUTTLE ORB	TO DEFINE THE ORB	FORCE	0.0405 /	ROCKWELL/	R.B.RUSSELL, R. C	DMS-DR-2289
LSWT -	ING LOADS TEST US	ITER 140C	ITER LANDING GEAR	PRESSURE	0.17 -	NRLAD -	. MENNELL/RI	VOLUME 02
751 /	ING A 0.0405-SCAL		SYSTEM PRESSURE		0.17	LOW SPEED WIND	D.W.HERSEY	DEC., 1976
OA163	E MODEL (16-0) OF		LOADING, TO RECOR			TUNNEL	W. B. MEINDERS	
CR-147,612	THE SPACE SHUTTL		D LANDING GEAR DO				-DMS	
	E ORBITER IN THE		OR AND STRUT HING					
	ROCKWELL INTERNAT		E MOMENT LEVELS,					
	IONAL NAAL WIND T		TO RECORD AERODYN					
	UNNEL (OA163)		AMIC INFLUENCE OF					
			LANDING GEAR ON					
			ORBITER FORCE DAT					
			A AND TO INVESTIG					
			ATE 40X80 ARC TUN					
			NEL STRUT SIMULAT					
			ION EFFECTS					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	RESULTS OF A LAND	SPACE SHUTTLE ORB	TO DEFINE THE ORB	FORCE	0.0405 /	ROCKWELL/	R.B.RUSSELL, R. C	DMS-DR-2289
LSWT -	ING LOADS TEST US	ITER 140C	ITER LANDING GEAR	PRESSURE	0.17 -	NRLAD -	. MENNELL/RI	VOLUME 03
751 /	ING A 0.0405-SCAL		SYSTEM PRESSURE		0.17	LOW SPEED WIND	D.W.HERSEY	DEC., 1976
OA163	E MODEL (16-O) OF		LOADING, TO RECOR			TUNNEL	W. B. MEINDERS	
CR-147,613	THE SPACE SHUTTL		D LANDING GEAR DO				-DMS	
	E ORBITER IN THE		OR AND STRUT HING					
	ROCKWELL INTERNAT		E MOMENT LEVELS,					
	IONAL NAAL WIND T		TO RECORD AERODYN					
	UNNEL (OA163)		AMIC INFLUENCE OF					
			LANDING GEAR ON					
			ORBITER FORCE DAT					
			A AND TO INVESTIG					
			ATE 40X80 ARC TUN					
			NEL STRUT SIMULAT					
			ION EFFECTS.					
NRLAD -	RESULTS OF A LAND	SPACE SHUTTLE ORB	TO DEFINE THE ORB	FORCE	0.0405 /	ROCKWELL/	R.B.RUSSELL, R. C	DMS-DR-2289
LSWT -	ING LOADS TEST US	ITER 140C	ITER LANDING GEAR	PRESSURE	0.17 -	NRLAD -	. MENNELL/RI	VOLUME 04
751 /	ING A 0.0405-SCAL		SYSTEM PRESSURE		0.17	LOW SPEED WIND	D.W.HERSEY	DEC., 1976
OA163	E MODEL (16-O) OF		LOADING, TO RECOR			TUNNEL	W. B. MEINDERS	
CR-147,614	THE SPACE SHUTTL		D LANDING GEAR DO				-DMS	
	E ORBITER IN THE		OR AND STRUT HING					
	ROCKWELL INTERNAT		E MOMENT LEVELS,					
	IONAL NAAL WIND T		TO RECORD AERODYN					
	UNNEL (OA163)		AMIC INFLUENCE OF					
			LANDING GEAR ON					
			ORBITER FORCE DAT					
			A AND TO INVESTIG					
			ATE 40X80 ARC TUN					
			NEL STRUT SIMULAT					
			ION EFFECTS.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	MATED AERODYNAMIC	747 ALONE	TO INVESTIGATE TH	FORCE	0.0400 ,	BOEING /	R.D. KNUDSEN/THE	DMS-DR-2290
V/STOL -	CHARACTERISTICS	747/ORBITER-FERRY	E EFFECTS OF FLAP		0.0405 /	LARC -	BOEING CO.	VOLUME 01
129 /	INVESTIGATION FOR	CONFIGURATION, 7	SETTING, STABILI		0.15 -	V/STOL TRANSIT	J.LOUISSE AND J.H	NOV., 1976
CA8	THE 0.04 SCALE	47/ORBITER-ALT CO	ZER ANGLE, AND		0.21	ION RESEARCH W	.WALTER/THE BOEIN	
CR-147,641	747 CAM AND THE O	NFIGURATIONS	GROUND PROXIMITY			IND TUNNEL	G CO.	
	.0405 SCALE SPACE		ON THE CONFIGURAT				D. A. SARVER	
	SHUTTLE ORBITER		IONS TESTED.				G. W. KLUG	
	IN THE NASA LANGL						-DMS	
	EY V/STOL TRANSIT							
	ION RESEARCH WIND							
	TUNNEL							
LARC -	MATED AERODYNAMIC	747 ALONE	TO INVESTIGATE TH	FORCE	0.0400 ,	BOEING /	R.D. KNUDSEN/THE	DMS-DR-2290
V/STOL -	CHARACTERISTICS	747/ORBITER-FERRY	E EFFECTS OF FLAP		0.0405 /	LARC -	BOEING CO.	VOLUME 02
129 /	INVESTIGATION FOR	CONFIGURATION, 7	SETTING, STABILI		0.15 -	V/STOL TRANSIT	J.LOUISSE AND J.H	NOV., 1976
CA8	THE 0.04 SCALE	47/ORBITER-ALT CO	ZER ANGLE, AND		0.21	ION RESEARCH W	.WALTER/THE BOEIN	
CR-147,642	747 CAM AND THE O	NFIGURATIONS	GROUND PROXIMITY			IND TUNNEL	G CO.	
	.0405 SCALE SPACE		ON THE CONFIGURAT				D. A. SARVER	
	SHUTTLE ORBITER		IONS TESTED.				G. W. KLUG	
	IN THE NASA LANGL						-DMS	
	EY V/STOL TRANSIT							
	ION RESEARCH WIND							
	TUNNEL							
LARC -	MATED AERODYNAMIC	747 ALONE	TO INVESTIGATE TH	FORCE	0.0400 ,	BOEING /	R.D. KNUDSEN/THE	DMS-DR-2290
V/STOL -	CHARACTERISTICS	747/ORBITER-FERRY	E EFFECTS OF FLAP		0.0405 /	LARC -	BOEING CO.	VOLUME 03
129 /	INVESTIGATION FOR	CONFIGURATION, 7	SETTING, STABILI		0.15 -	V/STOL TRANSIT	J.LOUISSE AND J.H	NOV., 1976
CA8	THE 0.04 SCALE	47/ORBITER-ALT CO	ZER ANGLE, AND		0.21	ION RESEARCH W	.WALTER/THE BOEIN	
CR-147,643	747 CAM AND THE O	NFIGURATIONS	GROUND PROXIMITY			IND TUNNEL	G CO.	
	.0405 SCALE SPACE		ON THE CONFIGURAT				D. A. SARVER	
	SHUTTLE ORBITER		IONS TESTED.				G. W. KLUG	
	IN THE NASA LANGL						-DMS	
	EY V/STOL TRANSIT							
	ION RESEARCH WIND							
	TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -				FORCE		LARC /	D.B. WATSON	DMS-DR-2292
LTPT -						LARC -	-DMS	TO LRC
214 /						LOW-TURBULENCE		
LA36B						PRESSURE TUNN		
						EL		
AEDC -	RESULTS OF TESTS	MODEL 75-OTS (72-	TO OBTAIN PROXIMI	FORCE	0.010 /	ROCKWELL/	J. J. DAILEDA, J.	DMS-DR-2293
SWTA -	USING A 0.010-SCA	O WING, 140C MOD.	TY FORCE AND MOME		4.5 -	AEDC -	MARROQUIN/RI	DEC., 1977
K1A /	LE SSV MODEL 75-O	FUSELAGE, ET, SR	NT DATA FOR ET AN			SUPERSONIC WIN	J. E. VAUGHN	
IA40	TS IN THE AEDC VK	B)	D SRB WITH SRB SE			D TUNNEL (A)	M. M. MOSER JR.	
CR-151.381	F TUNNEL A		PARATION MOTOR PL				-DMS	
			UME EFFECTS					
NRLAD -	RESULTS OF TESTS	140A/B SS ORBITER	TO DEFINE AND VER	FORCE	0.0405 /	ROCKWELL/	M. T. HUGHES/RI	DMS-DR-2294
LSWT -	OF A SPACE SHUTTL	(MODEL 43-O) ORB	IFY ORBITER STABI	PRESSURE	0.13 -	NRLAD -	D.W.HERSEY	VOLUME 01
752 /	E ORBITER FERRY C	ITER FERRY CONFIG	LITY AND CONTROL		0.26	LOW SPEED WIND	G. W. KLUG	JUNE, 1981
OA172	ONFIGURATION USIN	URATION	CHARACTERISTICS,			TUNNEL	-DMS	
CR-160,822	G A 140A/B 0.0405		BOTH IN AND OUT O					
	-SCALE MODEL (43-		F THE PRESENCE OF					
	O) IN THE ROCKWEL		THE GROUND, WITH					
	L INTERNATIONAL 7		THE FERRY CONFIG					
	.75 X 11 FOOT LOW		URATION AFTERBODY					
	SPEED WIND TUNNE		INSTALLED					
	L (OA172)							
NRLAD -	RESULTS OF TESTS	140A/B SS ORBITER	TO DEFINE AND VER	FORCE	0.0405 /	ROCKWELL/	M. T. HUGHES/RI	DMS-DR-2294
LSWT -	OF A SPACE SHUTTL	(MODEL 43-O) ORB	IFY ORBITER STABI	PRESSURE	0.13 -	NRLAD -	D.W.HERSEY	VOLUME 02
752 /	E ORBITER FERRY C	ITER FERRY CONFIG	LITY AND CONTROL		0.26	LOW SPEED WIND	G. W. KLUG	JUNE, 1981
OA172	ONFIGURATION USIN	URATION	CHARACTERISTICS,			TUNNEL	-DMS	
CR-160,823	G A 140A/B 0.0405		BOTH IN AND OUT O					
	-SCALE MODEL (43-		F THE PRESENCE OF					
	O) IN THE ROCKWEL		THE GROUND, WITH					
	L INTERNATIONAL 7		THE FERRY CONFIG					
	.75 X 11 FOOT LOW		URATION AFTERBODY					
	SPEED WIND TUNNE		INSTALLED					
	L (OA172)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF AN INV	ET ALONE T34	A THIN-SKIN THERM	HEAT-TRANS	0.0175 /	ROCKWELL/	W.H. DYE/ROCKWELL	DMS-DR-2295
SWTA -	ESTIGATION OF THE	ORBITER ALONE B6	OCOUPLE TEST WAS		3.01 -	AEDC -	INTERNATIONAL	VOLUME 01
A4A /	SPACE SHUTTLE IN	2C12E52F10M16R18V	CONDUCTED TO OBTA		4.01	SUPERSONIC WIN	K.W. NUTT/ARO INC	SEPT., 1977
IH41B	TEGRATED VEHICLE	8W116	IN HEAT-TRANSFER			D TUNNEL (A)	.	
CR-151,069	AERODYNAMIC HEATI	ORBITER + TANK B6	DATA ON THE SPACE				D. A. SARVER	
	NG CHARACTERISTIC	2C12E52F10M16R185	SHUTTLE INTEGRAT				G. W. KLUG	
	S OBTAINED USING	23T34V8W116	ED VEHICLE DURING				-DMS	
	THE 0.0175-SCALE		THE ASCENT PHASE					
	MODEL 60-OTS IN A		OF ITS FLIGHT PRO					
	EDC TUNNEL A DURI		FILE					
	NG TESTS IH41B							
AEDC -	RESULTS OF AN INV	ET ALONE T34	A THIN-SKIN THERM	HEAT-TRANS	0.0175 /	ROCKWELL/	W.H. DYE/ROCKWELL	DMS-DR-2295
SWTA -	ESTIGATION OF THE	ORBITER ALONE B6	OCOUPLE TEST WAS		3.01 -	AEDC -	INTERNATIONAL	VOLUME 02
A4A /	SPACE SHUTTLE IN	2C12E52F10M16R18V	CONDUCTED TO OBTA		4.01	SUPERSONIC WIN	K.W. NUTT/ARO INC	SEPT., 1977
IH41B	TEGRATED VEHICLE	8W116	IN HEAT-TRANSFER			D TUNNEL (A)	.	
CR-151,070	AERODYNAMIC HEATI	ORBITER + TANK B6	DATA ON THE SPACE				D. A. SARVER	
	NG CHARACTERISTIC	2C12E52F10M16R185	SHUTTLE INTEGRAT				G. W. KLUG	
	S OBTAINED USING	23T34V8W116	ED VEHICLE DURING				-DMS	
	THE 0.0175-SCALE		THE ASCENT PHASE					
	MODEL 60-OTS IN A		OF ITS FLIGHT PRO					
	EDC TUNNEL A DURI		FILE					
	NG TESTS IH41B							
AEDC -	RESULTS OF AN INV	ET ALONE T34	A THIN-SKIN THERM	HEAT-TRANS	0.0175 /	ROCKWELL/	W.H. DYE/ROCKWELL	DMS-DR-2295
SWTA -	ESTIGATION OF THE	ORBITER ALONE B6	OCOUPLE TEST WAS		3.01 -	AEDC -	INTERNATIONAL	VOLUME 03
A4A /	SPACE SHUTTLE IN	2C12E52F10M16R18V	CONDUCTED TO OBTA		4.01	SUPERSONIC WIN	K.W. NUTT/ARO INC	SEPT., 1977
IH41B	TEGRATED VEHICLE	8W116	IN HEAT-TRANSFER			D TUNNEL (A)	.	
CR-151,071	AERODYNAMIC HEATI	ORBITER + TANK B6	DATA ON THE SPACE				D. A. SARVER	
	NG CHARACTERISTIC	2C12E52F10M16R185	SHUTTLE INTEGRAT				G. W. KLUG	
	S OBTAINED USING	23T34V8W116	ED VEHICLE DURING				-DMS	
	THE 0.0175-SCALE		THE ASCENT PHASE					
	MODEL 60-OTS IN A		OF ITS FLIGHT PRO					
	EDC TUNNEL A DURI		FILE					
	NG TESTS IH41B							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF AN INV	ET ALONE T34	A THIN-SKIN THERM	HEAT-TRANS	0.0175 /	ROCKWELL/	W.H. DYE/ROCKWELL	DMS-DR-2295
SWTA -	ESTIGATION OF THE	ORBITER ALONE B6	OCOUPLE TEST WAS		3.01 -	AEDC -	INTERNATIONAL	VOLUME 04
A4A /	SPACE SHUTTLE IN	2C12E52F10M16R18V	CONDUCTED TO OBTA		4.01	SUPERSONIC WIN	K.W. NUTT/ARO INC	OCT., 1977
IH41B	TEGRATED VEHICLE	8W116	IN HEAT-TRANSFER			D TUNNEL (A)	.	
CR-151,072	AERODYNAMIC HEATI	ORBITER + TANK B6	DATA ON THE SPACE				D. A. SARVER	
	NG CHARACTERISTIC	2C12E52F10M16R185	SHUTTLE INTEGRAT				G. W. KLUG	
	S OBTAINED USING	23T34V8W116	ED VEHICLE DURING				-DMS	
	THE 0.0175-SCALE		THE ASCENT PHASE					
	MODEL 60-OTS IN A		OF ITS FLIGHT PRO					
	EDC TUNNEL A DURI		FILE					
	NG TESTS IH41B							
AEDC -	RESULTS OF AN INV	ET ALONE T34	A THIN-SKIN THERM	HEAT-TRANS	0.0175 /	ROCKWELL/	W.H. DYE/ROCKWELL	DMS-DR-2295
SWTA -	ESTIGATION OF THE	ORBITER ALONE B6	OCOUPLE TEST WAS		3.01 -	AEDC -	INTERNATIONAL	VOLUME 05
A4A /	SPACE SHUTTLE IN	2C12E52F10M16R18V	CONDUCTED TO OBTA		4.01	SUPERSONIC WIN	K.W. NUTT/ARO INC	OCT., 1977
IH41B	TEGRATED VEHICLE	8W116	IN HEAT-TRANSFER			D TUNNEL (A)	.	
CR-151,073	AERODYNAMIC HEATI	ORBITER + TANK B6	DATA ON THE SPACE				D. A. SARVER	
	NG CHARACTERISTIC	2C12E52F10M16R185	SHUTTLE INTEGRAT				G. W. KLUG	
	S OBTAINED USING	23T34V8W116	ED VEHICLE DURING				-DMS	
	THE 0.0175-SCALE		THE ASCENT PHASE					
	MODEL 60-OTS IN A		OF ITS FLIGHT PRO					
	EDC TUNNEL A DURI		FILE					
	NG TESTS IH41B							
LARC -	SHUTTLE MODEL TAI	.03614-SCALE ORBI	TO DETERMINE THE	PRESSURE	.03614 /	LARC /	BERNARD SPENCER,G	DMS-DR-2296
LTPT -	LCONE PRESSURE DI	TER MODEL OF A 08	SENSITIVITY OF TH		.20 -	LARC -	EORGE M. WARE/LAR	VOLUME 01
229 /	STRIBUTION AT LOW	9B CONFIGURATION	E TAILCONE TO CHA		.30	LOW-TURBULENCE	C	AUGUST, 1976
LA81	SUBSONIC SPEEDS	WITH A 139B CONFI	NGES IN REYNOLDS			PRESSURE TUNN	R. H. LINDAHL	
CR-147,609	OF A 0.03614-SCAL	GURATION NOSE FOR	NUMBER,DETERMINE			EL	-DMS	
	E MODEL IN THE NA	WARD OF F.S. 500.	THE PRESSURE DIST					
	SA/LARC LOW TURBU		RIBUTION OVER THE					
	LENCE PRESSURE TU		TAILCONE FOR STR					
	NNEL (LA81)		UCTURAL DESIGN PU					
			RPOSES,AND TO DET					
			ERMINE THE INTERF					
			ERENCE EFFECTS OF					
			THREE TYPES OF WI					
			ND TUNNEL MOUNTIN					
			G TECHNIQUES ON T					
			HE TAILCONE					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	SHUTTLE MODEL TAI	.03614-SCALE ORBI	TO DETERMINE THE	PRESSURE	.03614 /	LARC /	BERNARD SPENCER,G	DMS-DR-2296
LTPT -	LCONE PRESSURE DI	TER MODEL OF A 08	SENSITIVITY OF TH		.20 -	LARC -	EORGE M. WARE/LAR	VOLUME 02
229 /	STRIBUTION AT LOW	9B CONFIGURATION	E TAILCONE TO CHA		.30	LOW-TURBULENCE	C	AUGUST, 1976
LA81	SUBSONIC SPEEDS	WITH A 139B CONFI	NGES IN REYNOLDS			PRESSURE TUNN	R. H. LINDAHL	
CR-147,610	OF A 0.03614-SCAL	GURATION NOSE FOR	NUMBER,DETERMINE			EL	-DMS	
	E MODEL IN THE NA	WARD OF F.S. 500.	THE PRESSURE DIST					
	SA/LARC LOW TURBU		RIBUTION OVER THE					
	LENCE PRESSURE TU		TAILCONE FOR STR					
	NNEL (LA81)		UCTURAL DESIGN PU					
			RPOSES,AND TO DET					
			ERMINE THE INTERF					
			ERENCE EFFECTS OF					
			THREE TYPES OF WI					
			ND TUNNEL MOUNTIN					
			G TECHNIQUES ON T					
			HE TAILCONE					
LARC -	HIGH SUPERSONIC A	WING	ESTABLISH GUIDLIN	FORCE	1.0 /	LARC /	GEO. WARE, B. SPE	DMS-DR-2297
UPWT -	ERODYNAMIC CHARAC	FILLET SWEEP	ES FOR LINEARIZAT		2.36 -	LARC -	NCER/LARC	NOV., 1976
1145 /	TERISTICS OF FIVE		ION OF ORBITER AE		3.7	UNITARY PLAN W	J. W. BALL	
LA45A/B	IRREGULAR PLANFO		RODYNAMIC CHARACT			IND TUNNEL	D.B. WATSON	
CR-147,628	RM WINGS WITH SYS		ERISTICS				-DMS	
	TEMATICALLY VARYI							
	NG WING FILLET GE							
	OMETRY TESTED IN							
	THE NASA/LARC 4-F							
	OOT UPWT (LEG 2)							
	(LA45A/B)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	LOW SPEED STABILI	SSV ORBITER MODEL	TO DETERMINE LOW-	FORCE	0.015 /	LARC /	BERNARD SPENCER/L	DMS-DR-2298
LTPT -	TY AND CONTROL CH	69-0	SPEED STABILITY A		0.25 -	LARC -	ARC	MAY, 1978
227 /	ARACTERISTICS OF		ND CONTROL CHARAC		0.25	LOW-TURBULENCE	J. W. BALL	
LTPT -	A 0.015 SCALE MOD		TERISTICS OF THE			PRESSURE TUNN	M. M. MANN	
238 /	EL 69-0 OF THE SP		SPACE SHUTTLE ORB			EL	-DMS	
LA73A	ACE SHUTTLE ORBIT		ITER WITH FOREBOD			LOW-TURBULENCE		
LA73B	ER WITH FOREBODY		Y RSI MODIFICATIO			PRESSURE TUNN		
CR-151,409	RSI MODIFICATIONS		NS			EL		
	IN THE NASA/LARC							
	LOW TURBULENCE PR							
	ESSURE TUNNEL (LA							
	73A/B)							
LARC -	DYNAMIC STABILITY	ORBITER/747 FERRY	TO MEASURE PITCH,	FORCE	0.015 /	LARC /	D. C. FREEMAN, JR	DMS-DR-2299
710HST -	CHARACTERISTICS	VEHICLE	YAW, ROLL DAMPIN		0.2 -	LARC -	., R. P. BOYDEN/L	JUNE, 1977
999 /	OF THE COMBINATIO		G, NORMAL FORCE D		0.5	HIGH SPEED 7 B	ARC	
LA80	N SPACE SHUTTLE O		UE TO PITCH RATE,			Y 10-FOOT TUNN	R. H. LINDAHL	
TM-X	ORBITER AND FERRY		AND YAWING MOMENT			EL	-DMS	
3497	COMBINATION		DUE TO ROLL RATE					
			AND ROLLING MOME					
			NT DUE TO YAW RAT					
			E					
LARC -	LOW-SUBSONIC STAB	140A/B/C (B26 C9	TO GENERATE A DET	FORCE	0.015 /	LARC /	B. SPENCER, JR.,	DMS-DR-2300
LTPT -	ILITY AND CONTROL	E43 F8 M16 N28 R5	AILED AERODYNAMIC		0.15 -	LARC -	G. WARE/LARC	OCT., 1976
228 /	CHARACTERISTICS	V8 W)	DATA BASE FOR CU		0.25	LOW-TURBULENCE	W. B. MEINDERS	
LA61B	OF A 0.015-SCALE		RRENT SS CONFIGUR			PRESSURE TUNN	-DMS	
CR-147,629	REMOTELY CONTROLL		ATION			EL		
	ED ELEVON MODEL (							
	44-0) OF THE SPAC							
	E SHUTTLE ORBITER							
	IN THE LANGLEY R							
	ESEARCH CENTER LO							
	W TURBULENCE PRES							
	SURE TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTB - 82A / OH54A CR-144,605	RESULTS OF PHASE CHANGE PAINT HEAT TRANSFER TESTS UTILIZING 0.040 SCALE 50 PERCENT FOREBODY MODELS (NO. 82-0) OF THE ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER IN AEDC VKF HYPERSONIC TUNNEL B	MODELS 82-1, -3, -5, -8, -11, ALL 50 PERCENT FOREBODIES	TO DETERMINE THE EFFECTS OF VARIOUS ROUGHNESS ELEMENTS ON BOUNDARY LAYER TRANSITION	HEAT-TRANS	0.040 / 7.93 - 8.00	ROCKWELL/ AEDC - HYPERSONIC WIND TUNNEL (B)	W. H. DYE/RI K. HUBE, D. CARVER/ARO D. A. SARVER M. M. MOSER JR. -DMS	DMS-DR-2301 MAY, 1976
ARC - 40SWT - 479 / OA174 CR-167,340	RESULTS OF TESTS USING A 0.36-SCALE MODEL(76-0) OF THE SPACE SHUTTLE ORBITER VEHICLE 101 IN THE NASA/AMES RESEARCH CENTER'S 40 X 80 SUBSONIC WIND TUNNEL (OA174)	ORBITER VEHICLE 101 WITH TAIL CONE ORBITER VEHICLE 101 WITH OUT TAIL CONE	OBTAIN STABILITY AND CONTROL FORCE, MOMENT AND CONTROL SURFACE HINGE MOMENT DATA; VERIFY AND MEASURE LANDING GEAR STRUT AND DOOR PRESSURES; OBTAIN TAIL CONE PRESSURE DISTRIBUTIONS; CALIBRATE BASELINE AND ALTERNATE AIR DATA SYSTEMS	FORCE PRESSURE	0.36 / 0.114- 0.264	ROCKWELL/ ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND TUNNEL	R.L.MAKI/ARC T.J.DZIUBALA/R.I. S. R. HOULIHAN C. R. EDWARDS -DMS	DMS-DR-2302 VOLUME 01 MAY, 1982

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	ORBITER VEHICLE 1	OBTAIN STABILITY	FORCE	0936 /	ROCKWELL/	R.L.MAKI/ARC	DMS-DR-2302
40SWT -	USING A 0.36-SCAL	01 WITH TAIL CONE	AND CONTROL FORCE	PRESSURE	0.114-	ARC -	T.J.DZIUBALA/R.I.	VOLUME 02
479 /	E MODEL(76-0) OF	ORBITER VEHICLE 1	, MOMENT AND CONT		0.264	40-FOOT BY 80-	S. R. HOULIHAN	MAY, 1982
0A174	THE SPACE SHUTTLE	01 WITH OUT TAIL	ROL SURFACE HINGE			FOOT SUBSONIC	C. R. EDWARDS	
CR-167,341	ORBITER VEHICLE	CONE	MOMENT DATA; VER			WIND TUNNEL	-DMS	
	101 IN THE NASA/A		IFY AND MEASURE L					
	MES RESEARCH CENT		ANDING GEAR STRUT					
	ER'S 40 X 80 SUBS		AND DOOR PRESSUR					
	ONIC WIND TUNNEL		ES; OBTAIN TAIL C					
	(0A174)		ONE PRESSURE DIST					
			RIBUTIONS; CALIBR					
			ATE BASELINE AND					
			ALTERNATE AIR DAT					
			A SYSTEMS					
AEDC -	RESULTS OF PHASE	MODELS 82-1, -4,	TO DETERMINE THE	HEAT-TRANS	0.030 /	ROCKWELL/	W. H. DYE/RI	DMS-DR-2303
HWTB -	CHANGE PAINT TEST	50 PERCENT FOREBO	EFFECTS OF SIMULA		8 -	AEDC -	L. CARTER/ARO	MAY, 1976
E3A /	S OF 0.040 SCALE	DIES	TED RCS NOZZLES,		8	HYPERSONIC WIN	D. A. SARVER	
0H75	50 PERCENT FOREBO		PROTUBERANCES, AN			D TUNNEL (B)	M. M. MOSER JR.	
CR-144,618	DY MODELS (82-0)		D PENETRATIONS ON				-DMS	
	OF THE SPACE SHUT		AERODYNAMIC HEAT					
	TLE ORBITER IN TH		ING RATES DURING					
	E AEDC VKF 'B' HY		SIMULATED ENTRY C					
	PERSONIC WIND TUN		ONDITIONS					
	NEL							
ARC -	RESULTS OF TESTS	TAILCONE-ON	TO EVALVATE MODEL	FORCE	0.030 /	ROCKWELL/	R. L. GILLENS, T.	DMS-DR-2304
12PT -	TO EVALUATE ARC 4		SUPPORT SYSTEM T	PRESSURE	.26-	ARC -	J. DZIUBALA, R.	NOV., 1981
180-1 /	0X80-FOOT TUNNEL		ARES FOR TEST OA1		.26	12-FOOT PRESSU	H. MULFINGER/RI	
0A173	SUPPORT STRUT TAR		74; THIS TEST IS			RE TUNNEL	C. R. EDWARDS	
CR-160,846	ES ON THE SPACE S		WITH 40X80 FOOT S				-DMS	
	HUTTLE VEHICLE WI		TRUTS AND WINDSHI					
	TH TAIL CONE USIN		ELDS IN AND OUT T					
	G A 0.03-SCALE MO		O DETERMINE THEIR					
	DEL (45-0) IN THE		EFFECT ON THE ORB					
	NASA/ARC 12-FOOT		ITER TAILCONE-ON					
	PRESSURE WIND TU		CONFIGURATION					
	NNEL (0A173)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LTV - HSWT - 573 / LA76 CR-151,059	HIGH REYNOLDS NUMBER TRANSONIC STABILITY AND CONTROL CHARACTERISTICS OF A 0.015 SCALE(REMOTELY CONTROLLED ELEVON) MODEL 44-0 OF THE SPACE SHUTTLE ORBITER TESTED IN THE VSD HIGH SPEED TUNNEL (LA76)	B26C9E43F8M16N28R5V8W	TO OBTAIN HIGH REYNOLDS NUMBER TRANSONIC AERODYNAMIC DATA ON CONTROL SURFACE LINEARITY AND SENSITIVITY TO MACH NUMBER FOR FINE-CUT SPEED BRAKE, BODY FLAP AND RUDDER DEFLECTIONS; TO INVESTIGATE THE INTERACTIVE EFFECTS OF MUTUAL CONTROL SURFACE DEFLECTIONS		0.015 / 0.6 - 2.9	LARC / LTV - HIGH SPEED WIND TUNNEL	M. M. MANN -DMS	DMS-DR-2305 VOLUME 01 JUNE, 1977
LTV - HSWT - 573 / LA76 CR-151,060	HIGH REYNOLDS NUMBER TRANSONIC STABILITY AND CONTROL CHARACTERISTICS OF A 0.015 SCALE(REMOTELY CONTROLLED ELEVON) MODEL 44-0 OF THE SPACE SHUTTLE ORBITER TESTED IN THE VSD HIGH SPEED TUNNEL (LA76)	B26C9E43F8M16N28R5V8W	TO OBTAIN HIGH REYNOLDS NUMBER TRANSONIC AERODYNAMIC DATA ON CONTROL SURFACE LINEARITY AND SENSITIVITY TO MACH NUMBER FOR FINE-CUT SPEED BRAKE, BODY FLAP AND RUDDER DEFLECTIONS; TO INVESTIGATE THE INTERACTIVE EFFECTS OF MUTUAL CONTROL SURFACE DEFLECTIONS		0.015 / 0.6 - 2.9	LARC / LTV - HIGH SPEED WIND TUNNEL	M. M. MANN -DMS	DMS-DR-2305 VOLUME 02 JUNE, 1977

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	O - B26C9E44F9M16	THE PURPOSE OF TH	FORCE	0.0300 /	ROCKWELL/	P.J. HAWTHORNE, R	DMS-DR-2306
11,97,87-	ON THE SPACE SHUT	R5V8W116	IS TEST WAS TO OB	PRESSURE	1.55 -	ARC -	.R. BURROWS, M.E.	VOLUME 01
144-1 /	TLE LAUNCH CONFIG	T - AT28AT29AT30A	TAIN PRESSURE DIS		2.20	11-FOOT, 9-FOO	NICHOLS /RI	MAY, 1982
IA135A/B/C	URATION USING THE	T31AT32AT128FL10F	TRIBUTIONS, INDIV			T, 8-FOOT, UNI	D.L. KASSNER, J.J	
CR-167,354	0.03 SCALE MODEL	L11FR10PT22PT23PT	IDUAL COMPONENT L			TARY WIND TUNN	. BROWNSON /ARC	
	47-OTS IN THE NA	24PT25PT26PT27T37	OADS, AND WING/EL			EL	D. A. SARVER	
	SA/AMES UNITARY P	S - N86S21PS13PS1	EVON LOADS. PRESS				G. W. KLUG	
	LAN WIND TUNNEL (	6PS20PS21PS22PS23	URE, FORCE AND MO				-DMS	
	IA135A/B/C)	PS24PS25PS26	MENT DATA WERE OB					
			TAINED.					
ARC -	RESULTS OF TESTS	O - B26C9E44F9M16	THE PURPOSE OF TH	FORCE	0.0300 /	ROCKWELL/	P.J. HAWTHORNE, R	DMS-DR-2306
11,97,87-	ON THE SPACE SHUT	R5V8W116	IS TEST WAS TO OB	PRESSURE	1.55 -	ARC -	.R. BURROWS, M.E.	VOLUME 02
144-1 /	TLE LAUNCH CONFIG	T - AT28AT29AT30A	TAIN PRESSURE DIS		2.20	11-FOOT, 9-FOO	NICHOLS /RI	MAY, 1982
IA135A/B/C	URATION USING THE	T31AT32AT128FL10F	TRIBUTIONS, INDIV			T, 8-FOOT, UNI	D.L. KASSNER, J.J	
CR-167,355	0.03 SCALE MODEL	L11FR10PT22PT23PT	IDUAL COMPONENT L			TARY WIND TUNN	. BROWNSON /ARC	
	47-OTS IN THE NA	24PT25PT26PT27T37	OADS, AND WING/EL			EL	D. A. SARVER	
	SA/AMES UNITARY P	S - N86S21PS13PS1	EVON LOADS. PRESS				G. W. KLUG	
	LAN WIND TUNNEL (	6PS20PS21PS22PS23	URE, FORCE AND MO				-DMS	
	IA135A/B/C)	PS24PS25PS26	MENT DATA WERE OB					
			TAINED.					
ARC -	RESULTS OF TESTS	O - B26C9E44F9M16	THE PURPOSE OF TH	FORCE	0.0300 /	ROCKWELL/	P.J. HAWTHORNE, R	DMS-DR-2306
11,97,87-	ON THE SPACE SHUT	R5V8W116	IS TEST WAS TO OB	PRESSURE	1.55 -	ARC -	.R. BURROWS, M.E.	VOLUME 03
144-1 /	TLE LAUNCH CONFIG	T - AT28AT29AT30A	TAIN PRESSURE DIS		2.20	11-FOOT, 9-FOO	NICHOLS /RI	MAY, 1982
IA135A/B/C	URATION USING THE	T31AT32AT128FL10F	TRIBUTIONS, INDIV			T, 8-FOOT, UNI	D.L. KASSNER, J.J	
CR-167,356	0.03 SCALE MODEL	L11FR10PT22PT23PT	IDUAL COMPONENT L			TARY WIND TUNN	. BROWNSON /ARC	
	47-OTS IN THE NA	24PT25PT26PT27T37	OADS, AND WING/EL			EL	D. A. SARVER	
	SA/AMES UNITARY P	S - N86S21PS13PS1	EVON LOADS. PRESS				G. W. KLUG	
	LAN WIND TUNNEL (	6PS20PS21PS22PS23	URE, FORCE AND MO				-DMS	
	IA135A/B/C)	PS24PS25PS26	MENT DATA WERE OB					
			TAINED.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA -	RESULTS OF EXPERI	BOEING 747 CAM W/	VERIFICATION OF 7	FORCE	0.03 /	BOEING /	H.F. ANDERSON/BOE	DMS-DR-2307
BTWT -	MENTAL AERODYNAMI	TYPE II MODIFICAT	47 CAM W/TYPE II		0.3 -	TBCA -	ING	VOLUME 01
1496 /	C INVESTIGATION O	ION (MODEL TR-10	MODIFICATION, AND		0.7	TRANSONIC WIND	J. E. VAUGHN	SEPT., 1981
1497 /	N A 0.03 SCALE	07)	FERRY AND ALT			TUNNEL	G. R. LUTZ	
CA14A	MODEL BOEING 747	BOEING 747 CAM/OR	CONFIGURATION WIT				-DMS	
CR-160,840	CAM WITH SPACE SH	BITER - ALT CONFI	H ORBITER TAILCON					
	UTTLE ORBITER IN	GURATION	E ON.					
	THE BOEING	BOEING 747 CAM/OR						
	8X12 FOOT TRANSON	BITER - FERRY CON						
	IC WIND TUNNEL (C	FIGURATION						
	A14A)	ORBITER ALONE LES						
		S TAILCONE (MODE						
		L 45-0)						
TBCA -	RESULTS OF EXPERI	BOEING 747 CAM W/	VERIFICATION OF 7	FORCE	0.03 /	BOEING /	H.F. ANDERSON/BOE	DMS-DR-2307
BTWT -	MENTAL AERODYNAMI	TYPE II MODIFICAT	47 CAM W/TYPE II		0.3 -	TBCA -	ING	VOLUME 02
1496 /	C INVESTIGATION O	ION (MODEL TR-10	MODIFICATION, AND		0.7	TRANSONIC WIND	J. E. VAUGHN	SEPT., 1981
1497 /	N A 0.03 SCALE	07)	FERRY AND ALT			TUNNEL	G. R. LUTZ	
CA14A	MODEL BOEING 747	BOEING 747 CAM/OR	CONFIGURATION WIT				-DMS	
CR-160,841	CAM WITH SPACE SH	BITER - ALT CONFI	H ORBITER TAILCON					
	UTTLE ORBITER IN	GURATION	E ON.					
	THE BOEING	BOEING 747 CAM/OR						
	8X12 FOOT TRANSON	BITER - FERRY CON						
	IC WIND TUNNEL (C	FIGURATION						
	A14A)	ORBITER ALONE LES						
		S TAILCONE (MODE						
		L 45-0)						

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN -	AN EXPERIMENTAL D	19-OTS	TO DETERMINE HEAT	PRESSURE	0.0225 /	ROCKWELL/	R. F. DRZEWIECKI/	DMS-DR-2308
48HST -	ETERMINATION IN T		TRANSFER AND PRE		4.5 -	CALSPAN -	CALSPAN	OCT., 1976
I81 /	HE CALSPAN LUDWIE		SSURE DISTRIBUTIO		4.5	48-INCH HYPERS	J. W. FOUST/RI	
IH5	G TUBE OF THE BAS		NS IN BASE OF SS			ONIC SHOCK TUN	D. A. SARVER	
CR-147,636	E ENVIRONMENT OF		VEHICLE DURING SI			NEL	M. M. MOSER JR.	
	THE INTEGRATED SP		MULATED LAUNCH TR				-DMS	
	ACE SHUTTLE VEHIC		AJECTORY CONDITIO					
	LE AT SIMULATED M		NS OF MACH 4.5 AN					
	ACH 4.5 FLIGHT CO		D PRESSURE ALTITU					
	NDITIONS (TEST IH		DES BETWEEN 90,00					
	5 OF MODEL 19-OTS		O AND 210,000 FEE					
	)		T 6066. HOURS--1,					
			152					
LARC -	TRANSONIC STABILI	FOREBODY B1, B6,	TO DETERMINE POSS	FORCE	0.015 /	LARC /	W.P.PHILLIPS/LARC	DMS-DR-2309
8TPT -	TY AND CONTROL CH	B7	IBLE ADVERSE AERO		0.35-	LARC -	C. R. EDWARDS	NOV., 1976
740 /	ARACTERISTICS OF		DYNAMIC EFFECTS O		1.20	8-FOOT TRANSON	-DMS	
LA72	A 0.015 SCALE MOD		F SLIGHT REDUCTIO			IC PRESSURE TU		
CR-147,644	EL 69-O OF THE SP		N IN THE THICKNES			NNEL		
	ACE SHUTTLE ORBIT		S OF THE REUSABLE					
	ER WITH FOREBODY		SURFACE INSULATI					
	RSI MODIFICATION		ON (RSI) LOCATED					
	IN THE NASA/LARC		ALONG THE SIDES O					
	8-FOOT TPT (LA72)		F THE SPACE SHUTT					
			LE ORBITER FUSELA					
			GE FOREBODY					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC -	REENTRY STATIC ST	RIGHT-HAND SRB RE	TO DETERMINE AERO	FORCE	0.00548 /	MSFC /	J. D. JOHNSON/MSF	DMS-DR-2310
14TWT -	ABILITY CHARACTER	ENTRY CONFIG.	DYNAMIC STATIC ST		0.4 -	MSFC -	C	VOLUME 01
640 /	ISTICS OF A 0.005		ABILITY CHARACTER		4.45	14-INCH TRISON	G. D. STREBY/NSI	AUGUST, 1977
SA14FB	48 SCALE MODEL OF		ISTICS OF SRB REE			IC WIND TUNNEL	V. W. SPARKS	
CR-151,083	A RIGHT HAND 146-		NTRY CONFIGURATIO				M. M. MOSER JR.	
	INCH DIAMETER SOL		N				-DMS	
	ID ROCKET BOOSTER							
	(MSFC MODEL 486)							
	REENTRY CONFIGURA							
	TION AS DETERMINE							
	D FROM TESTS IN T							
	HE NASA/MSFC 14-I							
	NCH TRISONIC WIND							
	TUNNEL							
MSFC -	REENTRY STATIC ST	RIGHT-HAND SRB RE	TO DETERMINE AERO	FORCE	0.00548 /	MSFC /	J. D. JOHNSON/MSF	DMS-DR-2310
14TWT -	ABILITY CHARACTER	ENTRY CONFIG.	DYNAMIC STATIC ST		0.4 -	MSFC -	C	VOLUME 02
640 /	ISTICS OF A 0.005		ABILITY CHARACTER		4.45	14-INCH TRISON	G. D. STREBY/NSI	AUGUST, 1977
SA14FB	48 SCALE MODEL OF		ISTICS OF SRB REE			IC WIND TUNNEL	V. W. SPARKS	
CR-151,084	A RIGHT HAND 146-		NTRY CONFIGURATIO				M. M. MOSER JR.	
	INCH DIAMETER SOL		N				-DMS	
	ID ROCKET BOOSTER							
	(MSFC MODEL 486)							
	REENTRY CONFIGURA							
	TION AS DETERMINE							
	D FROM TESTS IN T							
	HE NASA/MSFC 14-I							
	NCH TRISONIC WIND							
	TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	RESULTS FROM INVE	B58C5E18F4R5V5W87	TO INVESTIGATE TH	PRESSURE	0.004 /	LARC /	JAMES C. ELLISON/	DMS-DR-2311
CF4 -	STIGATIONS IN THR	-VEHICLE 2A (MODI	E REAL GAS EFFECT		5.94 -	LARC -	LARC	AUGUST, 1976
267-268 /	EE NASA/LARC HYPE	FIED)	S USING A 0.004 S		20.30	FREON TUNNEL	J. W. BALL	
22HT -	RSONIC WIND TUNNE		CALE MODEL OF 3			22-INCH HELIUM	G. W. KLUG	
446 /	LS ON A 0.004-SCA		THE SPACE SHUTTLE			TUNNEL	-DMS	
LA78	LE MODEL SPACE SH		ORBITER					
LA87	UTTLE ORBITER (MO							
LA88	DEL 13P-0)TO DET							
CR-147,620	ERMINE REAL GAS E							
	FFECTS (LA78, LA8							
	7, LA88)							
AEDC -	RESULTS OF AN INV	VEHICLE 5, TO INC	TO OBTAIN HEAT TR	HEAT-TRANS	0.0175 /	ROCKWELL/	W. H. DYE/RI	DMS-DR-2312
SWTA -	ESTIGATION OF THE	LUDE SRB ALONE AN	ANSFER DATA ON TH		3.0 -	AEDC -	K. W. NUTT/ARO,IN	VOLUME 01
J3A /	SPACE SHUTTLE SO	D OTS (SPIKE NOSE	E SPACE SHUTTLE S		4.0	SUPERSONIC WIN	C.	JUNE, 1977
IH47	LID ROCKET BOOSTE	ET)	OLID ROCKET BOOST			D TUNNEL (A)	D. A. SARVER	
CR-151,075	R AERODYNAMIC HEA		ER, BOTH ISOLATED				C. R. EDWARDS	
	TING CHARACTERIST		AND IN THE PRESE				-DMS	
	ICS OBTAINED USIN		NCE OF THE ORBITE					
	G THE 0.0175-SCAL		R AND EXTERNAL TA					
	E MODEL 60-OTS IN		NK, DURING THE AS					
	AEDC TUNNEL A DU		CENT PHASE OF ITS					
	RING TESTS IH47		FLIGHT PROFILE					
AEDC -	RESULTS OF AN INV	VEHICLE 5, TO INC	TO OBTAIN HEAT TR	HEAT-TRANS	0.0175 /	ROCKWELL/	W. H. DYE/RI	DMS-DR-2312
SWTA -	ESTIGATION OF THE	LUDE SRB ALONE AN	ANSFER DATA ON TH		3.0 -	AEDC -	K. W. NUTT/ARO,IN	VOLUME 02
J3A /	SPACE SHUTTLE SO	D OTS (SPIKE NOSE	E SPACE SHUTTLE S		4.0	SUPERSONIC WIN	C.	JULY, 1977
IH47	LID ROCKET BOOSTE	ET)	OLID ROCKET BOOST			D TUNNEL (A)	D. A. SARVER	
CR-151,076	R AERODYNAMIC HEA		ER, BOTH ISOLATED				C. R. EDWARDS	
	TING CHARACTERIST		AND IN THE PRESE				-DMS	
	ICS OBTAINED USIN		NCE OF THE ORBITE					
	G THE 0.0175-SCAL		R AND EXTERNAL TA					
	E MODEL 60-OTS IN		NK, DURING THE AS					
	AEDC TUNNEL A DU		CENT PHASE OF ITS					
	RING TESTS IH47		FLIGHT PROFILE					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF WIND T	.0275 SCALE SPACE	TO VERIFY THE THE	HEAT-TRANS	.0275 /	MSFC /	WILLIAM K. LOCKMA	DMS-DR-2313
3.5HWT -	UNNEL TESTS TO DE	SHUTTLE EXTERNAL	ORETICAL PREDICTI		5.2 -	ARC -	N/ARC,	VOLUME 01
215 /	TERMINE HEAT TRAN	TANK	ONS USED IN THE G		5.3	3.5-FOOT HYPER	HARRY CARROLL/MMA	MARCH, 1977
FH14	SFER RATES ON A .		ENERATION OF THE			SONIC WIND TUN	R. H. LINDAHL	
CR-151,041	0275 SCALE SPACE		THERMAL ENVIRONME			NEL	-DMS	
	SHUTTLE EXTERNAL		NTS FOR THE LO2 T					
	TANK WITH A 10 DE		ANK AND TO MORE A					
	G/40 DEG DOUBLE C		CCURATELY DEFINE					
	ONE-OGIVE NOSE IN		THE RECOVERY FACT					
	THE NASA/ARC 3.5		ORS FOR REDUCING					
	HYPERSONIC TUNNE		THE HEAT TRANSFER					
	L		DATA FROM FH13					
ARC -	RESULTS OF WIND T	.0275 SCALE SPACE	TO VERIFY THE THE	HEAT-TRANS	.0275 /	SFC /	WILLIAM K. LOCKMA	DMS-DR-2313
3.5HWT -	UNNEL TESTS TO DE	SHUTTLE EXTERNAL	ORETICAL PREDICTI		5.2 -	ARC -	N/ARC,	VOLUME 02
215 /	TERMINE HEAT TRAN	TANK	ONS USED IN THE G		5.3	3.5-FOOT HYPER	HARRY CARROLL/MMA	MARCH, 1977
FH14	SFER RATES ON A .		ENERATION OF THE			SONIC WIND TUN	R. H. LINDAHL	
CR-151,042	0275 SCALE SPACE		THERMAL ENVIRONME			NEL	-DMS	
	SHUTTLE EXTERNAL		NTS FOR THE LO2 T					
	TANK WITH A 10 DE		ANK AND TO MORE A					
	G/40 DEG DOUBLE C		CCURATELY DEFINE					
	ONE-OGIVE NOSE IN		THE RECOVERY FACT					
	THE NASA/ARC 3.5		ORS FOR REDUCING					
	HYPERSONIC TUNNE		THE HEAT TRANSFER					
	L		DATA FROM FH13					
ARC -	RESULTS OF WIND T	.0275 SCALE SPACE	TO VERIFY THE THE	HEAT-TRANS	.0275 /	SFC /	WILLIAM K. LOCKMA	DMS-DR-2313
3.5HWT -	UNNEL TESTS TO DE	SHUTTLE EXTERNAL	ORETICAL PREDICTI		5.2 -	ARC -	N/ARC,	VOLUME 03
215 /	TERMINE HEAT TRAN	TANK	ONS USED IN THE G		5.3	3.5-FOOT HYPER	HARRY CARROLL/MMA	MARCH, 1977
FH14	SFER RATES ON A .		ENERATION OF THE			SONIC WIND TUN	R. H. LINDAHL	
CR-151,043	0275 SCALE SPACE		THERMAL ENVIRONME			NEL	-DMS	
	SHUTTLE EXTERNAL		NTS FOR THE LO2 T					
	TANK WITH A 10 DE		ANK AND TO MORE A					
	G/40 DEG DOUBLE C		CCURATELY DEFINE					
	ONE-OGIVE NOSE IN		THE RECOVERY FACT					
	THE NASA/ARC 3.5		ORS FOR REDUCING					
	HYPERSONIC TUNNE		THE HEAT TRANSFER					
	L		DATA FROM FH13					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	INVESTIGATION OF	LANDING	DETERMINATION OF	FORCE	.0405 /	ROCKWELL/	M. T. HUGHES/RI	DMS-DR-2314
LSWT -	SUPPORT SYSTEM EF		EFFECTS OF VARIOU		0.20 -	NRLAD -	S. R. HOULIHAN	FEB., 1981
754 /	FECTS ON ORBITER		S TUNNEL MOUNT CO		0.20	LOW SPEED WIND	B. J. BURST	
0A176	LOW SPEED AEORDYN		NFIGURATIONS ON T			TUNNEL	-DMS	
CR-151,406	AMIC CHARACTERIST		HE FORCE COEFFICI					
	ICS USING 0.0405-		ENTS AND PRESSURE					
	SCALE MODEL 43-O		S ON THE AFT TAIL					
	IN THE NAAL LOW S		CONE OF THE ORBI					
	PEED WIND TUNNEL		TER IN THE LANDIN					
			G CONFIGURATION					
NRLAD -	RESULTS OF AN INV	0.010-SCALE VL70-	TO OBTAIN REYNOLD	FORCE	0.010 /	ROCKWELL/	R.C.MENNELL/RI	DMS-DR-2315
7TWT -	ESTIGATION OF REY	000140C INTEGRATE	S NUMBER EFFECTS		0.6 -	NRLAD -	R. H. LINDAHL	AUGUST, 1976
297 /	NOLDS NUMBER EFFE	D SPACE SHUTTLE L	ON ORBITER ELEVON		1.25	7-FOOT TRISONI	-DMS	
IA141	CTS ON INTEGRATED	AUNCH VEHICLE	HINGE MOMENTS AN			C WIND TUNNEL		
CR-147,623	VEHICLE ELEVON HI		D WING BENDING/TO					
	NGE MOMENTS AND W		RSIONAL MOMENTS					
	ING PANEL LOADS O							
	BTAINED WITH 0.01							
	O-SCALE MODEL 72-							
	OTS IN THE ROCKWE							
	LL TRISONIC WIND							
	TUNNEL							
ARC -	RESULTS OF TEST I	FULL 331 INCH DIA	TO EXAMINE THE FE	FORCE	0.07 /	ROCKWELL/	D.E. THORNTON/ROC	DMS-DR-2316
14-TWT -	A137 IN THE NASA/	METER FOREBODY	ASIBILITY OF THE	PRESSURE	0.55 -	ARC -	KWELL INTERNATION	SEPT., 1976
143-1 /	ARC 14 FOOT TRANS	AN 80% (264.8 INC	AUXILIARY AERODYN		1.15	14-FOOT TRANSO	AL	
IA137	ONIC WIND TUNNEL	H) OF FULL DIAMET	AMIC DATA SYSTEM			NIC WIND TUNNE	P.K. MILLER/ ROCK	
CR-147,622	OF THE 0.07 SCALE	ER FOREBODY	(AADS) FOR DETERM			L	WELL INTERNATIONA	
	EXTERNAL TANK FO	BICONIC NOSE PROB	ING ANGLES OF ATT				L	
	REBODY (MODEL 68-	E	ACK AND SIDESLIP				D. A. SARVER	
	T) TO DETERMINE		DURING BOOST FLIG				G. W. KLUG	
	AUXILIARY AERODYN		HT				-DMS	
	AMIC DATA SYSTEM							
	FEASIBILITY							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	0.04-SCALE (83-O)	TO DETERMINE RCS	HEAT-TRANS	0.04 /	ROCKWELL/	W.H. DYE/RI	DMS-DR-2317
3.5HWT -	TO DETERMINE REAC	ORBITER	NOZZLE EFFECTS ON		5.2 -	ARC -	R. H. LINDAHL	JAN., 1980
216 /	TION CONTROL SYST		THE ORBITER FORE		5.3	3.5-FOOT HYPER	-DMS	
OH53A	EM (RCS) NOZZLE E		BODY ASCENT AEROD			SONIC WIND TUN		
CR-151,787	FFECTS ON THE ORB		YNAMIC HEATING RA			NEL		
	ITER FOREBODY ASC		TES					
	ENT AERODYNAMIC H							
	EATING RATES USIN							
	G A 0.04-SCALE MO							
	DEL (83-O) IN THE							
	AMES RESEARCH CE							
	NTER 3.5 FOOT HYP							
	ERSONIC WIND TUNN							
	EL (OH53A)							
LARC -	HIGH SUPERSONIC S	ORBITER-140A/B/C=	DETERMINATION OF	FORCE	2.86 -	LARC /	B. SPENCER, G. W	DMS-DR-2318
UPWT -	TABILITY AND CONT	B26 C9 E43 F8 M16	CONTROL SURFACE E		4.60	LARC -	ARE/LARC	VOLUME 01
1173 /	ROL CHARACTERISTI	N28 R5 V8 W	FFECTIVENESS AT H			UNITARY PLAN W	J. W. BALL	DEC., 1976
LA75	CS OF A 0.015-SCA		IGH SUPERSONIC MA			IND TUNNEL	D.B. WATSON	
CR-147,646	LE (REMOTELY CONT		CH NUMBERS				-DMS	
	ROLLED ELEVON) MO							
	DEL 44-O SPACE SH							
	UTTLE ORBITER TES							
	TED IN THE NASA/L							
	ARC 4-FOOT UPWT (							
	LEG 2) (LA75)							
LARC -	HIGH SUPERSONIC S	ORBITER-140A/B/C=	DETERMINATION OF	FORCE	2.86 -	LARC /	B. SPENCER, G. W	DMS-DR-2318
UPWT -	TABILITY AND CONT	B26 C9 E43 F8 M16	CONTROL SURFACE E		4.60	LARC -	ARE/LARC	VOLUME 02
1173 /	ROL CHARACTERISTI	N28 R5 V8 W	FFECTIVENESS AT H			UNITARY PLAN W	J. W. BALL	DEC., 1976
LA75	CS OF A 0.015-SCA		IGH SUPERSONIC MA			IND TUNNEL	D.B. WATSON	
CR-147,647	LE (REMOTELY CONT		CH NUMBERS				-DMS	
	ROLLED ELEVON) MO							
	DEL 44-O SPACE SH							
	UTTLE ORBITER TES							
	TED IN THE NASA/L							
	ARC 4-FOOT UPWT (							
	LEG 2) (LA75)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN -	HEAT TRANSFER AND	.01-SCALE SPACE S	TO DETERMINE ASCE	HEAT-TRANS	.01 /	ROCKWELL/	P.R.CARROLL/RI, C	DMS-DR-2319
48HST -	PRESSURE TESTS O	HUTTLE ORB/ET 59-	NT HYPERSONIC HEA		7.5 -	CALSPAN -	.E. WITTLIFF/CALS	JUNE, 1979
I89 /	N A 0.01-SCALE SP	OT	TING RATES AND PR		20.0	48-INCH HYPERS	PAN	
96HST -	ACE SHUTTLE MODEL		ESSURE DISTRIBUTI			ONIC SHOCK TUN	D.W.HERSEY	
IH43	(59-OT) IN THE C		ONS ON AN UPDATED			NEL	R. H. LINDAHL	
CR-151,771	ALSPAN HYPERVELOC		CONFIGURATION (M			96-INCH HYPERS	-DMS	
	ITY SHOCK TUNNELS		CR 500) OF THE OR			ONIC SHOCK TUN		
	(IH43)		BITER/EXTERNAL TA			NEL		
			NK					
AEDC -	RESULTS OF TESTS	ORBITER 0.0125 70	TO OBTAIN INTERAC	FORCE	0.0125 /	ROCKWELL/	J.J. DAILEDA, J.	DMS-DR-2320
HWTB -	USING A 0.0125-SC	-OT	TION EFFECTS OF T		5.9 -	AEDC -	MARROQUIN/RI	VOLUME 01
D8A /	ALE MODEL(70-OT)O		HE RCS THRUSTER J		5.9	HYPERSONIC WIN	R. H. LINDAHL	FEB., 1978
OA169	F THE SPACE SHUTT		ET PLUMES ON SSV			D TUNNEL (B)	J. E. VAUGHN	
CR-151,390	LE VEHICLE ORBITE		AERODYNAMICS DURI				-DMS	
	R IN THE AEDC VKF		NG RETURN-TO-LAUN					
	TUNNEL B (OA169)		CH-SITE(RTLS) ABO					
			RT FLIGHT PHASE					
AEDC -	RESULTS OF TESTS	ORBITER 0.0125 70	TO OBTAIN INTERAC	FORCE	0.0125 /	ROCKWELL/	J.J. DAILEDA, J.	DMS-DR-2320
HWTB -	USING A 0.0125-SC	-OT	TION EFFECTS OF T		5.9 -	AEDC -	MARROQUIN/RI	VOLUME 02
D8A /	ALE MODEL(70-OT)O		HE RCS THRUSTER J		5.9	HYPERSONIC WIN	R. H. LINDAHL	FEB., 1978
OA169	F THE SPACE SHUTT		ET PLUMES ON SSV			D TUNNEL (B)	J. E. VAUGHN	
CR-151,391	LE VEHICLE ORBITE		AERODYNAMICS DURI				-DMS	
	R IN THE AEDC VKF		NG RETURN-TO-LAUN					
	TUNNEL B (OA169)		CH-SITE(RTLS) ABO					
			RT FLIGHT PHASE					
AEDC -	RESULTS OF TESTS	ORBITER 0.0125 70	TO OBTAIN INTERAC	FORCE	0.0125 /	ROCKWELL/	J.J. DAILEDA, J.	DMS-DR-2320
HWTB -	USING A 0.0125-SC	-OT	TION EFFECTS OF T		5.9 -	AEDC -	MARROQUIN/RI	VOLUME 03
D8A /	ALE MODEL(70-OT)O		HE RCS THRUSTER J		5.9	HYPERSONIC WIN	R. H. LINDAHL	FEB., 1978
OA169	F THE SPACE SHUTT		ET PLUMES ON SSV			D TUNNEL (B)	J. E. VAUGHN	
CR-151,392	LE VEHICLE ORBITE		AERODYNAMICS DURI				-DMS	
	R IN THE AEDC VKF		NG RETURN-TO-LAUN					
	TUNNEL B (OA169)		CH-SITE(RTLS) ABO					
			RT FLIGHT PHASE					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF TEST O	ORBITER VEHICLE F	TO DETERMINE THE	HEAT-TRANS	0.040 /	ROCKWELL/	J. C. MARTINEZ +	DMS-DR-2321
HWTB -	H69 OBTAINED IN T	OREBODY	INFLUENCE OF THER		8.0 -	AEDC -	W. H. DYE/RI	VOLUME 01
V41B-E9A /	HE AEDC VKF HYPER		MAL PROTECTION TI		8.0	HYPERSONIC WIN	J. E. VAUGHN	AUGUST, 1978
OH69	SONIC TUNNEL B US		LE ROUGHNESS ON W			D TUNNEL (B)	-DMS	
CR-151,410	ING THE INFRARED		INDWARD SURFACE B					
	SCANNING METHOD T		OUNDARY-LAYER TRA					
	O OBTAIN HEAT TRA		NSITION.					
	NSFER DATA ON THE							
	0.040 SCALE MODE							
	L 82-0 OF THE SPA							
	CE SHUTTLE FOREBO							
	DY							
AEDC -	RESULTS OF TEST O	ORBITER VEHICLE F	TO DETERMINE THE	HEAT-TRANS	0.040 /	ROCKWELL/	J. C. MARTINEZ +	DMS-DR-2321
HWTB -	H69 OBTAINED IN T	OREBODY	INFLUENCE OF THER		8.0 -	AEDC -	W. H. DYE/RI	VOLUME 02
V41B-E9A /	HE AEDC VKF HYPER		MAL PROTECTION TI		8.0	HYPERSONIC WIN	J. E. VAUGHN	AUGUST, 1978
OH69	SONIC TUNNEL B US		LE ROUGHNESS ON W			D TUNNEL (B)	-DMS	
CR-151,411	ING THE INFRARED		INDWARD SURFACE B					
	SCANNING METHOD T		OUNDARY-LAYER TRA					
	O OBTAIN HEAT TRA		NSITION.					
	NSFER DATA ON THE							
	0.040 SCALE MODE							
	L 82-0 OF THE SPA							
	CE SHUTTLE FOREBO							
	DY							
NRLAD -	RESULTS OF TEST O	SPACE SHUTTLE ORB	TO RESOLVE DIFFER	FORCE	.18 0-	ROCKWELL/	R. C. MENNELL, A.	DMS-DR-2322
LSWT -	A228 USING THE SS	ITER VEHICLE 102	ENCES IN AIR DATA		.25 1	NRLAD -	L. MENA, R. B. R	NOV., 1981
757 /	V VEHICLE 102 0.1		PROBE AND FLIGHT			LOW SPEED WIND	USSELL / RI	
OA228	O SCALE FOREBODY		TEST PROBE PRESS			TUNNEL	W. B. MEINDERS	
CR-160,847	MODEL NO. 57-0 IN		URE DATA OBTAINED				-DMS	
	THE NAAL LOW SPE		DURING WIND TUNN					
	ED WIND TUNNEL		EL TESTS OA174 AN					
			D OA224					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	RESU.TS OF INVEST	0.010-SCALE 72-OT	AERO-LOADS INVEST	FORCE	0.010 /	ROCKWELL/	M.E. NICHOLDS,P.J	DMS-DR-2323
UPWT -	IGATIONS CONDUCTE	S MODEL	IGATIONS ON THE U		1.55 -	LARC -	. HAWTHRONE,J.T.	FEB., 1977
1152 /	D IN THE LARC 4-F		PDATED CONFIGURAT		2.00	UNITARY PLAN W	HAMILTON,P.K. MIL	
IA94A	OOT UNITARY PLAN		ION-5 SPACE SHUTT			IND TUNNEL	LER/RI	
CR-151,039	WIND TUNNEL LEG		LE;FULL SIMULATIO				D.C. FREEMAN/LARC	
	NO. 1 USING THE O		N OF UPDATED VEHI				R. H. LINDAHL	
	.010-SCALE 72-OTS		CLE PROTUBERANCES				-DMS	
	MODEL OF THE SPA		AND ATTACH HARDW					
	CE SHUTTLE INTEGR		ARE WAS USED.					
	ATED VEHICLE							
LARC -	RESULTS OF INVEST	0.010-SCALE 72-OT	AERO-LOADS INVEST	FORCE	0.010 /	ROCKWELL/	M.E. NICHOLS,P.J.	DMS-DR-2324
UPWT -	IGATIONS CONDUCTE	S MODEL	IGATIONS ON THE U		2.50 -	LARC -	HAWTHORNE,J.T. H	FEB., 1977
1177 /	D IN THE LARC 4-F		PDATED CONFIGURAT		4.50	UNITARY PLAN W	AMILTON,P.K. MILL	
IA94B	OOT UNITARY PLAN		ION-5 SPACE SHUTT			IND TUNNEL	ER/RI	
CR-151,040	WIND TUNNEL LEG		LE LAUNCH VEHICLE				D.C. FREEMAN/LARC	
	NO. 2 USING THE O		; FULL SIMULATION				R. H. LINDAHL	
	.010-SCALE 72-OTS		OF UPDATED VEHIC				-DMS	
	MODEL OF THE SPA		LE PROTUBERANCES					
	CE SHUTTLE INTEGR		AND ATTACH HARDWA					
	ATED VEHICLE		RE WAS USED.					
MSFC -	AERODYNAMIC CHARA	CONF. 139	TO DETERMINE THE	FORCE	0.00563 /	MSFC /	P. E. RAMSEY/MSFC	DMS-DR-2325
14TWT -	CTERISTICS OF A O		ENTRY STATIC STAB		0.6 -	MSFC -	V. W. SPARKS	NOV., 1976
620 /	.00563 SCALE 142-		ILITY OF THE SRB.		3.48	14-INCH TRISON	G. G. MCDONALD	
SA14FA	INCH DIAMETER SOL					IC WIND TUNNEL	-DMS	
CR-147,645	ID ROCKET BOOSTER							
	(MSFC MODEL 449							
	AND 480) WITH SID							
	E MOUNTED STINGS							
	IN THE NASA/MSFC							
	14 INCH TRISONIC							
	WIND TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	RESULTS OF INVEST	0.010-SCALE 72-OT	AERO-LOADS INVEST	FORCE	0.010 /	ROCKWELL/	M.E.NICHOLS,P.J.	DMS-DR-2326
8TPT -	ICATIONS CONDUCTE	S MODEL	IGATION ON THE UP		0.6 -	LARC -	HAWTHORNE,J.T. HA	VOLUME 01
749 /	D IN THE LARC 8-F		DATED CONFIGURATI		1.205	8-FOOT TRANSON	MILTON,P.K. MILLE	JAN., 1977
IA93	OOT TRANSONIC PRE		ON-5 SPACE SHUTTL			IC PRESSURE TU	R/RI	
CR-151,037	SSURE TUNNEL USIN		E; FULL SIMULATIO			NNEL	D.C. FREEMAN/LARC	
	G THE 0.010-SCALE		N OF UPDATED VEHI				R. H. LINDAHL	
	72-OTS MODEL OF		CLE PROTUBERANCES				-DMS	
	THE SPACE SHUTTLE		AND ATTACH HARDW					
	INTEGRATED VEHIC		ARE WERE USED.					
	LE							
LARC -	RESULTS OF INVEST	0.010-SCALE 72-OT	AERO-LOADS INVEST	FORCE	0.010 /	ROCKWELL/	M.E.NICHOLS,P.J.	DMS-DR-2326
8TPT -	ICATIONS CONDUCTE	S MODEL	IGATION ON THE UP		0.6 -	LARC -	HAWTHORNE,J.T. HA	VOLUME 02
749 /	D IN THE LARC 8-F		DATED CONFIGURATI		1.205	8-FOOT TRANSON	MILTON,P.K. MILLE	FEB., 1977
IA93	OOT TRANSONIC PRE		ON-5 SPACE SHUTTL			IC PRESSURE TU	R/RI	
CR-151,038	SSURE TUNNEL USIN		E; FULL SIMULATIO			NNEL	D.C. FREEMAN/LARC	
	G THE 0.010-SCALE		N OF UPDATED VEHI				R. H. LINDAHL	
	72-OTS MODEL OF		CLE PROTUBERANCES				-DMS	
	THE SPACE SHUTTLE		AND ATTACH HARDW					
	INTEGRATED VEHIC		ARE WERE USED.					
	LE							
AEDC -	RESULTS OF TESTS	CONFIG. 102 ORBIT	TO OBTAIN INTERAC	FORCE	5.9 -	ROCKWELL/	L. L. TRIMMER/ARO	DMS-DR-2327
HWTB -	USING 0.0125-SCAL	ER AND ET, DESIGN	TION EFFECTS OF R			AEDC -	J. J. DAILERA, J.	VOLUME 01
D9A /	E MODEL (70-OT) O	ATED MODEL 70-OT	CS THRUSTER JET P			HYPERSONIC WIN	MARROQUIN, H. S.	JULY, 1977
IA22	F THE SPACE SHUTT		LUMES ON SSV AERO			D TUNNEL (B)	DRESSER/RI	
CR-151,079	LE VEHICLE ORBITE						J. E. VAUGHN	
	R IN THE AEDC VKF						M. M. MOSER JR.	
	TUNNEL B						-DMS	
AEDC -	RESULTS OF TESTS	CONFIG. 102 ORBIT	TO OBTAIN INTERAC	FORCE	5.9 -	ROCKWELL/	L. L. TRIMMER/ARO	DMS-DR-2327
HWTB -	USING 0.0125-SCAL	ER AND ET, DESIGN	TION EFFECTS OF R			AEDC -	J. J. DAILERA, J.	VOLUME 02
D9A /	E MODEL (70-OT) O	ATED MODEL 70-OT	CS THRUSTER JET P			HYPERSONIC WIN	MARROQUIN, H. S.	AUGUST, 1977
IA22	F THE SPACE SHUTT		LUMES ON SSV AERO			D TUNNEL (B)	DRESSER/RI	
CR-151,080	LE VEHICLE ORBITE						J. E. VAUGHN	
	R IN THE AEDC VKF						M. M. MOSER JR.	
	TUNNEL B						-DMS	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTB - D9A / IA22 CR-151,081	RESULTS OF TESTS USING 0.0125-SCAL E MODEL (70-OT) O F THE SPACE SHUTT LE VEHICLE ORBITE R IN THE AEDC VKF TUNNEL B	CONFIG. 102 ORBIT ER AND ET, DESIGN ATED MODEL 70-OT	TO OBTAIN INTERAC TION EFFECTS OF R CS THRUSTER JET P LUMES ON SSV AERO	FORCE	5.9 -	ROCKWELL/ AEDC - HYPERSONIC WIN D TUNNEL (B)	L. L. TRIMMER/ARO J. J. DAILERA, J. MARROQUIN, H. S. DRESSER/RI J. E. VAUGHN M. M. MOSER JR. -DMS	DMS-DR-2327 VOLUME 03 AUGUST, 1977
LARC - CFHT - 105 / LA34 TND-8233	EFFECT OF A SURFA CE-TO-GAP TEMPERA TURE DISCONTINUIT Y ON THE HEAT TRA NSFER TO REUSABLE SURFACE INSULATI ON TILE GAPS	REUSABLE SURFACE INSULATION TILE G APS	TO DETERMINE EFFE CT OF A SURFACE-T O-WALL TEMPERATUR E DISCONTINUITY O N THE HEAT TRANSF ER WITHIN SPACE S HUTTLE, RSI, TILE GAPS SUBMERGED I N A THICK TURBULE NT BOUNDARY LAYER	HEAT-TRANS	1.0 / 10.3 -	LARC / LARC - CONTINUOUS-FLO W HYPERSONIC T UNNEL	D. A. THROCKMORTO N/LARC J. W. BALL M. M. MOSER JR. -DMS	DMS-DR-2328 AUGUST, 1976
LARC - 16TT - 312 / OA224 CR-160,837	CALIBRATION RESUL TS OF THE BASELIN E AIR DATA PROBES AT THE LANGLEY 1 6-FOOT TRANSONIC WIND TUNNEL USING A 0.10 SCALE ORB ITER FOREBODY MOD EL 102 LINES (OA2 24)	SSV ORBITER (MODE L 57-0) FOREBODY W/ ADP, FTP, AND ADP AND FTP	TO PROVIDE CALIBR ATION OF THE AIR DATA PROBES	FORCE	0.4 - 1.30	ROCKWELL/ LARC - 16-FOOT TRANSO NIC TUNNEL	V. ESPARZA, D.E. THORN TON/ROCKWELL H. AUGUST/ROCKWEL L S. R. HOULIHAN J. E. VAUGHN -DMS	DMS-DR-2329 AUGUST, 1981
AEDC - HWTB - 524 / OH52 CR-147,637	RESULTS OF A FLOW FIELD SURVEY CON DUCTED USING THE 0.0175 SCALE ORBI TER MODEL 29-0 IN THE AEDC VKF TUN NEL B DURING TEST OH52	CONF. 4, MODEL 29 -0	TO SIMULATE ATMOS PHERIC ENTRY BY I NVESTIGATING SHOC K AND BOUNDARY LA YERS ON LOWER ORB ITER SURFACE	HEAT-TRANS	0.0175 / 7.82 -	ROCKWELL/ AEDC - HYPERSONIC WIN D TUNNEL (B)	B. J. HERRERA/RI L. D. CARTER, W. R. MARTINDALE, C. E. KAUL/ARO M. M. MOSER JR. -DMS	DMS-DR-2330 OCT., 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11,97,87- 074-1 / 11TWT - SA11F CR-160,838	STATIC STABILITY AND PRESSURE DATA FROM WIND TUNNEL TESTS OF A .028- SCALE (MSFC MODEL 483) SPACE SHUTT LE SRB AT REENTRY ATTITUDES IN THE NASA/ARC UNITARY PLAN WIND TUNNELS (SA11F)	SRB-WITH HEAT SHI ELD(SOLID) SRB-W/O HEAT SHIE LD SRB-WITH HEAT SHE ILD (FLEXIBLE)	TO DETERMINE THE AERODYNAMIC STABI LITY CHARACTERIST ICS AND PRESSURE DISTRIBUTION OF T HE SRB RENTRY CON FIGURATION	FORCE PRESSURE	0.028 / 1.96 - 3.48	MSFC / ARC - 11-FOOT, 9-FOO T, 8-FOOT, UNI TARY WIND TUNN EL 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	W.F.BRADDOCK, G.D .STREBY/NORTHROP SERVICES J.D.JOHNSON/NASA- MFSC J. E. VAUGHN G. W. KLUG -DMS	DMS-DR-2331 VOLUME 01 OCT., 1981
ARC - 11,97,87- 074-1 / 11TWT - SA11F CR-160,839	STATIC STABILITY AND PRESSURE DATA FROM WIND TUNNEL TESTS OF A .028- SCALE (MSFC MODEL 483) SPACE SHUTT LE SRB AT REENTRY ATTITUDES IN THE NASA/ARC UNITARY PLAN WIND TUNNELS (SA11F)	SRB-WITH HEAT SHI ELD(SOLID) SRB-W/O HEAT SHIE LD SRB-WITH HEAT SHE ILD (FLEXIBLE)	TO DETERMINE THE AERODYNAMIC STABI LITY CHARACTERIST ICS AND PRESSURE DISTRIBUTION OF T HE SRB RENTRY CON FIGURATION	FORCE PRESSURE	0.028 / 1.96 - 3.48	MSFC / ARC - 11-FOOT, 9-FOO T, 8-FOOT, UNI TARY WIND TUNN EL 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	W.F.BRADDOCK, G.D .STREBY/NORTHROP SERVICES J.D.JOHNSON/NASA- MFSC J. E. VAUGHN G. W. KLUG -DMS	DMS-DR-2331 VOLUME 02 OCT., 1981
ARC - 14-TWT - 121 / CA13 CR-151,373	RESULTS OF AERODY NAMIC FORCE AND M OMENT TESTS OF O. 03-SCALE MODELS (AX1319I-3 AND 45- O) OF THE SPACE S HUTTLE ORBITER AN D CARRIER IN THE NASA/ARC 14-FOOT TRANSONIC WIND TU NNEL (CA13)	ORBITER- TAILCONE OFF, TAILCONE ON -TC19, ORBITER- TAILCONE ON, TC23, STING MOUNTED 747/1 747/1 + S1-12 (SP EED BRAKE DEPLOYE D)	TO FORM A PRE-LAU NCH AND FREE AIR DATA BASE FOR PLA NNED SEPARATION T ESTS OF THE CARRI ER ALT CONFIGURAT ION.	FORCE	0.03 / 0.3 - 0.6	ROCKWELL/ ARC - 14-FOOT TRANSO NIC WIND TUNNE L	R.L.GILLINS/ROCKW ELL V.ESPARZA/ROCKWEL L D. A. SARVER G. W. KLUG -DMS	DMS-DR-2332 OCT., 1977

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	WIND TUNNEL TEST	01+TC23'ALT' CONF	VERIFY ALT VEHICL	FORCE	0.030 /	ROCKWELL/	T.J.DZIUBALA/RI	DMS-DR-2333
11TWT -	OA175 OF THE 0.03	IGURATION WITH TA	E STABILITY AND C	PRESSURE	0.4 -	ARC -	R.R.BURROWS/RI	VOLUME 01
187-1 /	0-SCALE SSV ORBIT	ILCONE	ONTROL CHARACTERI		1.2	11-FOOT TRANSO	M. M. MANN	NOV., 1977
OA175	ER MODEL (47-0)	01+TC23+G19 'ALT'	STICS WITH TAIL-			NIC WIND TUNNE	-DMS	
CR-151,374	IN THE 11 X 11-FO	WITH LANDING GEA	CONE ON. DETERMIN			L (UNITARY)		
	OT LEG OF THE NAS	R DEPLOYED	E ELEVON, RUDDER/					
	A/ARC UNITARY PLA	01 'ALT' WITHOUT	SPEEDBRAKE, AND B					
	N WIND TUNNEL (OA	TAILCONE	ODY FLAP HINGE					
	175)	01 = AT132 - PR1	MOMENTS WITH SEAL					
		'102' REENTRY CON	ED HINGELINES. EF					
		FIGURATION	FECTS OF RN/L AND					
			DEPLOYED LANDING					
			GEAR/DOORS ON VEH					
			ICLE STABILITY AN					
			D CONTROL. TAILCO					
			NE PRESSURES					
ARC -	WIND TUNNEL TEST	01+TC23'ALT' CONF	VERIFY ALT VEHICL	FORCE	0.030 /	ROCKWELL/	T.J.DZIUBALA/RI	DMS-DR-2333
11TWT -	OA175 OF THE 0.03	IGURATION WITH TA	E STABILITY AND C	PRESSURE	0.4 -	ARC -	R.R.BURROWS/RI	VOLUME 02
187-1 /	0-SCALE SSV ORBIT	ILCONE	ONTROL CHARACTERI		1.2	11-FOOT TRANSO	M. M. MANN	DEC., 1977
OA175	ER MODEL (47-0)	01+TC23+G19 'ALT'	STICS WITH TAIL-			NIC WIND TUNNE	-DMS	
CR-151,375	IN THE 11 X 11-FO	WITH LANDING GEA	CONE ON. DETERMIN			L (UNITARY)		
	OT LEG OF THE NAS	R DEPLOYED	E ELEVON, RUDDER/					
	A/ARC UNITARY PLA	01 'ALT' WITHOUT	SPEEDBRAKE, AND B					
	N WIND TUNNEL (OA	TAILCONE	ODY FLAP HINGE					
	175)	01 = AT132 - PR1	MOMENTS WITH SEAL					
		'102' REENTRY CON	ED HINGELINES. EF					
		FIGURATION	FECTS OF RN/L AND					
			DEPLOYED LANDING					
			GEAR/DOORS ON VEH					
			ICLE STABILITY AN					
			D CONTROL. TAILCO					
			NE PRESSURES					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	WIND TUNNEL TEST	01+TC23'ALT' CONF	VERIFY ALT VEHICL	FORCE	0.030 /	ROCKWELL/	T.J.DZIUBALA/RI	DMS-DR-2333
11TWT -	OA175 OF THE 0.03	IGURATION WITH TA	E STABILITY AND C	PRESSURE	0.4 -	ARC -	R.R.BURROWS/RI	VOLUME 03
187-1 /	O-SCALE SSV ORBIT	ILCONE	ONTROL CHARACTERI		1.2	11-FOOT TRANSO	M. M. MANN	DEC., 1977
OA175	ER MODEL (47-O)	01+TC23+G19 'ALT'	STICS WITH TAIL-			NIC WIND TUNNE	-DMS	
CR-151,376	IN THE 11 X 11-FO	WITH LANDING GEA	CONE ON. DETERMIN			L (UNITARY)		
	OT LEG OF THE NAS	R DEPLOYED	E ELEVON, RUDDER/					
	A/ARC UNITARY PLA	01 'ALT' WITHOUT	SPEEDBRAKE, AND B					
	N WIND TUNNEL (OA	TAILCONE	ODY FLAP HINGE					
	175)	01 = AT132 - PR1	MOMENTS WITH SEAL					
		'102' REENTRY CON	ED HINGELINES. EF					
		FIGURATION	FECTS OF RN/L AND					
			DEPLOYED LANDING					
			GEAR/DOORS ON VEH					
			ICLE STABILITY AN					
			D CONTROL. TAILCO					
			NE PRESSURES					
AEDC -	AN INVESTIGATION	REENTRY CONFIG. W	TO DETERMINE ENTR	FORCE	0.00548 /	MSFC /	P. E. RAMSEY/MSFC	DMS-DR-2334
PWT4T -	OF THE AERODYNAMI	ITH ALL MAJOR PRO	Y STATIC STABILIT		0.4 -	AEDC -	V. W. SPARKS	NOV., 1976
E3A /	C CHARACTERISTICS	TUBERANCES	Y OF SRB		1.2	TRANSONIC PROP	-DMS	
SA16F	OF A 0.00548 SCA					ULSION WIND TU		
CR-147,648	LE MODEL (MODEL N					NNEL (PWT-4T)		
	O. 486) OF THE SP							
	ACE SHUTTLE 146-I							
	NCH DIAMETER SOLI							
	D ROCKET BOOSTER							
	AT ANGLES OF ATTA							
	CK FROM 113 TO 18							
	O DEGREES IN THE							
	AEDC PWT 4-FOOT T							
	RANSONIC WIND TUN							
	NEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC -	RESULTS OF EXPERI	VEHICLE 5	THE PURPOSE OF TH	FORCE	0.004 /	ROCKWELL/	E.C. ALLEN/ROCKWE	DMS-DR-2335
14TWT -	MENTAL INVESTIGAT	MODEL 74-OTS	IS TEST WAS TO OB		0.60 -	MSFC -	LL	DEC., 1979
641 /	IONS IN THE MSFC		TAIN INFORMATION		3.48	14-INCH TRISON	J. E. VAUGHN	
646 /	TWT TO DETERMINE		ON STING/BODY INT			IC WIND TUNNEL	G. W. KLUG	
IA140A/B	EFFECTS OF A MULT		ERFERENCE, VERIFY				-DMS	
CR-151 783	IPLE STING SUPPOR		STING ASSEMBLY D					
	T SYSTEM ON THE M		ESIGN, DETERMINE					
	ATED VEHICLE AERO		EFFECT OF VERTICA					
	DYNAMICS UTILIZIN		L SEPARATION ON A					
	G A 0.004 SCALE (		ERO CHARACTERISTI					
	74-OTS, 77-0) SHU		CS OF ET PLUS SRB					
	TTLE VEHICLE 5 (I		AND ORBITER AND					
	A140 A/B)		EFFECTS OF STING					
			ON ELEVON HINGE M					
			OMENTS					
LARC -	INVESTIGATION OF	LARC .0098-SCALE	TO OBTAIN ORBITER	FORCE	1.5-	LARC /	G. WARE/LARC	DMS-DR-2336
UPWT -	THE HIGH ANGLE OF	CAST ALUMINUM	AERO CHARACTERIS		4.5	LARC -	B. SPENCER,JR/LAR	MAY, 1983
1345 /	ATTACK AERODYNAM		TICS AT ANGLES OF			UNITARY PLAN W	C	
1390 /	ICS OF A SPACE SH		ATTACK FROM 25 T			IND TUNNEL	J. E. VAUGHN	
LA145	UTTLE ORBITER(LAR		O 60 DEGREES				B. J. BURST	
CR-167,375	C .0098 SCALE MOD						-DMS	
	EL) IN THE LARC U							
	PWT AT MACH NUMBE							
	RS FROM 1.5 TO 4.							
	5(LA145)							
NRLAD -	A VERIFICATION ST	FLIGHT TEST PROBE	TO VERIFY THE CAL	PRESSURE	0.186-	ROCKWELL/	J. G. LEFEVRE/RI	DMS-DR-2337
LSWT -	UDY OF THREE AMES	CALIBRATION	IBRATION DATA OBT		0.262	NRLAD -	D.W.HERSEY	DEC., 1979
759 /	RESEARCH CENTER		AINED USING THE A			LOW SPEED WIND	G. R. LUTZ	
OA236	PITOT-STATIC PROB		MES RESEARCH CENT			TUNNEL	-DMS	
CR-151,786	ES IN THE ROCKWEL		ER PROBES					
	L INTERNATIONAL N							
	AAL LOW SPEED WIN							
	D TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
UW -	RESULTS OF THE LO	AX1322D-3,ORBITER	TO ASSES POTENTIA	STRUCT-DYN	0.046 /	BOEING /	R. L. GILLENS/RI	DMS-DR-2338
LSWT -	W SPEED AEROELAST	MODEL 8-O	L BUFFET PROBLEMS			UW -	D. A. SARVER	NOV., 1976
1170 /	IC BUFFET TEST WI		RESULTING FROM O			LOW SPEED WIND	M. M. MOSER JR.	
CS3	TH A 0.046-SCALE		RBITER WAKE CHARA			TUNNEL	-DMS	
CR-147,639	MODEL (747-AX1322		CTERISTICS WITH T					
	D-3/ORBITER 8-O)		AILCONE OFF, TO P					
	OF THE 747 CAM/OR		ROVIDE DESIGN LOA					
	BITER IN THE UNIV		DS AND ACCELERATI					
	ERSITY OF WASHING		ON ENVIRONMENTS,					
	TON WIND TUNNEL		TO DEVELOP BUFFET					
			SENSITIVITY DATA					
			TO VARIOUS AEROD					
AEDC -	RESULTS OF TESTS	0.0175-SCALE THIN	1)SPANWISE HEATIN	HEAT-TRANS	0.0175 /	ROCKWELL/	C.L. BERTHOLD, J.	DMS-DR-2340
HWTB -	ON A 0.0175-SCALE	-SKIN THERMOCOUPL	G ON UPPER WING S		7.90 -	AEDC -	MARROQUIN/RI	VOLUME 01
J7A /	MODEL (60-0) OF	E SHUTTLE ORBITER	URFACE, 2)EFFECT		8.00	HYPERSONIC WIN	D.W.HERSEY	SEPT., 1980
OH98	THE SPACE SHUTTLE	60-0	OF HAT BAND PROTU			D TUNNEL (B)	G. R. LUTZ	
CR-160.501	ORBITER TO DETER		BERANCES AND LH2				-DMS	
	MINE RE-ENTRY MOD		COOLING LINES ON					
	E CONVECTIVE HEAT		SSME NOZZLE HEATI					
	TRANSFER RATES O		NG, AND 3)UPDATE					
	N THE UPPER WING		CLEAN NOZZLE HEAT					
	SURFACE AND SSME		ING WITH BODY FLA					
	NOZZLES IN THE AE		P AND ELEVON DEFL					
	DC V<F 'B' HYPERS		ECTIONS					
	ONIC WIND TUNNEL							
	(OH98)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTB - J7A / OH98 CR-160,502	RESULTS OF TESTS ON A 0.0175-SCALE MODEL (60-0) OF THE SPACE SHUTTLE ORBITER TO DETERMINE RE-ENTRY MODE CONVECTIVE HEAT TRANSFER RATES ON THE UPPER WING SURFACE AND SSME NOZZLES IN THE AEDC VKF 'B' HYPERSONIC WIND TUNNEL (OH98)	0.0175-SCALE THIN-SKIN THERMOCOUPLE SHUTTLE ORBITER 60-0	1)SPANWISE HEATING ON UPPER WING SURFACE, 2)EFFECT OF HAT BAND PROTUBERANCES AND LH2 COOLING LINES ON SSME NOZZLE HEATING, AND 3)UPDATE CLEAN NOZZLE HEATING WITH BODY FLAP AND ELEVON DEFLECTIONS	HEAT-TRANS	0.0175 / 7.90 - 8.00	ROCKWELL/ AEDC - HYPERSONIC WIND TUNNEL (B)	C.L. BERTHOLD, J. MARROQUIN/RI D.W.HERSEY G. R. LUTZ -DMS	DMS-DR-2340 VOLUME 02 SEPT., 1980
TBCA - BTWT - 1490/1493/ CS4/5 CR-147,638	RESULTS OF TESTS CS4 AND CS5 TO INVESTIGATE DYNAMIC LOADS AND PRESSURES ON 0.03-SCALE MODELS (AX1319-3/4 AND 45-0) OF MATED 747 CAM AND SPACE SHUTTLE ORBITER IN THE BOEING TRANSONIC WIND TUNNEL	747CAM/ORBITER	TO OBTAIN DYNAMIC LOADS, PRESSURE, EMPENNAGE FLOW FIELD DATA	STRUCT-DYN	0.03 / 0.15 - 0.70	BOEING / TBCA - TRANSONIC WIND TUNNEL	C. A. LUNDER, W. D. BURGGRAF, W. R. COVINGTON/TBC D. A. SARVER M. M. MOSER JR. -DMS	DMS-DR-2341 OCT., 1976
AEDC - HWTB - 82A / OH54B CR-151,074	RESULTS OF PHASE CHANGE PAINT HEAT TRANSFER TEST UTILIZING 0.040 SCALE 50 PERCENT FOREBODY MODELS (NO. 82-0) OF THE ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER IN THE AEDC VKF HYPERSONIC TUNNEL B	MODEL 82-0. 50% FOREBODY	TO INVESTIGATE SURFACE ROUGHNESS EFFECTS ON BOUNDARY LAYER TRANSITION	HEAT-TRANS	0.040 / 8 -	ROCKWELL/ AEDC - HYPERSONIC WIND TUNNEL (B)	W. H. DYE/RI L. L. TRIMMER/ARO M. M. MOSER JR. -DMS	DMS-DR-2342 JUNE, 1977

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	PITOT PRESSURE SU	ATP ORBITER	TO MEASURE TOTAL	PRESSURE	0.0045 /	LARC /	GEORGE C. ASHBY,J	DMS-DR-2343
22HT -	RVEYS ON THE LEEW		PRESSURES IN THE		20.0 -	LARC -	R. - LARC	DEC., 1981
445 /	ARD SURFACE OF A		LEE SIDE FLOW FIE		20.0	22-INCH HELIUM	J. E. VAUGHN	
LA85	0.0045-SCALE MODE		LD OF THE ORBITER			TUNNEL	B. J. BURST	
CR-160,849	L ATP SHUTTLE ORB		AT MACH 20 AND 3				-DMS	
	ITER AT 30 DEGREE		O DEGREES ANGLE O					
	S ANGLE OF ATTACK		F ATTACK					
	AND MACH 20 IN T							
	HE LARC 22 INCH H							
	ELIUM TUNNEL(LA85							
	)							
ARC -	TRANSONIC STABILI	ORBITER-140A/B/C=	TO OBTAIN TRANSON	FORCE	0.015 /	LARC /	J. GAMBLE, J. UND	DMS-DR-2344
11TWT -	TY AND CONTROL CH	B26 C9 E43 F8 M16	IC AERODYNAMIC DA		0.6 -	ARC -	ERWOOD/JSC	VOLUME 01
200-1 /	ARACTERISTICS OF	N28 R5 V8 W	TA ON CONTROL SUR		1.2	11-FOOT TRANSO	HARRY PARRELL/RI	JAN., 1980
LA77	A 0.015-SCALE (RE		FACE LINEARITY AN			NIC WIND TUNNE	J. W. BALL	
CR-151,788	MOTELY CONTROLLED		D SENSITIVITY TO			L (UNITARY)	C. R. EDWARDS	
	ELEVON) MODEL 44		MACH NUMBER FOR F				-DMS	
	-O OF THE SPACE S		INE-CUT SPEEDBRAK					
	HUTTLE ORBITER TE		E, BODY FLAP, AND					
	STED IN THE NASA/		RUDDER DEFLECTION					
	ARC 11-FOOT TRANS		S AND TO INVESTIG					
	ONIC WIND TUNNEL		ATE THE INTERACTI					
	(LA77)		VE EFFECTS OF MUT					
			UAL CONTROL SURFA					
			CE DEVLECTIONS					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	TRANSONIC STABILI	ORBITER-140A/B/C=	TO OBTAIN TRANSON	FORCE	0.015 /	LARC /	J. GAMBLE, J. UND	DMS-DR-2344
11TWT -	TY AND CONTROL CH	B26 C9 E43 F8 M16	IC AERODYNAMIC DA		0.6 -	ARC -	ERWOOD/JSC	VOLUME 02
200-1 /	ARACTERISTICS OF	N28 R5 V8 W	TA ON CONTROL SUR		1.2	11-FOOT TRANSO	HARRY PARRELL/RI	JAN., 1980
LA77	A 0.015-SCALE (RE		FACE LINEARITY AN			NIC WIND TUNNE	J. W. BALL	
CR-151,789	MOTELY CONTROLLED		D SENSITIVITY TO			L (UNITARY)	C. R. EDWARDS	
	ELEVON) MODEL 44		MACH NUMBER FOR F				-DMS	
	-O OF THE SPACE S		INE-CUT SPEEDBRAK					
	HUTTLE ORBITER TE		E, BODY FLAP, AND					
	STED IN THE NASA/		RUDDER DEFLECTION					
	ARC 11-FOOT TRANS		S AND TO INVESTIG					
	ONIC WIND TUNNEL		ATE THE INTERACTI					
	(LA77)		VE EFFECTS OF MUT					
			VAL CONTROL SURFA					
			CE DEFLECTIONS					
MSFC -	AERODYNAMIC ROLL	146-INCH SRB/TRUN	TO STUDY ROLL CHA	FORCE	1.46 -	MSFC /	P. E. RAMSEY/MSFC	DMS-DR-2345
14TWT -	CHARACTERISTICS O	CATED NOSE (MODEL	RACTERISTICS (TO		3.48	MSFC -	V. W. SPARKS	OCT., 1978
645 /	F A 0.00548 SCALE	486)	OBTAIN IMPROVED A			14-INCH TRISON	M. M. MOSER JR.	
SA21F	146-INCH SOLID R		ND MORE ACCURATE			IC WIND TUNNEL	-DMS	
TM-X	OCKET BOOSTER REE		ROLLING MOMENT DA					
78195	NTRY CONFIGURATIO		TA ON SRB BY USIN					
	N (MSFC MODEL NUM		G A SENSITIVE SIN					
	BER 486) OVER A P		GLE COMPONENT ROL					
	ORTION OF THE REE		L BALANCE--NO. 24					
	NTRY FLIGHT REGIM		7					
	E IN THE NASA/MSF							
	C 14-INCH TRISONI							
	C WIND TUNNEL							
AEDC -	RESULTS OF SRB SE	75-OTS	TO OBTAIN PROXIMI	FORCE	0.010 /	ROCKWELL/	J. J. DAILEDA, J.	DMS-DR-2346
SWTA -	PARATION TESTS US		TY FORCE AND MOME		4.5-	AEDC -	MARROQUIN/RI	VOLUME 01
K1A /	ING THE 0.010-SCA		NT DATA FOR ORB/E		4.5	SUPERSONIC WIN	J. E. VAUGHN	JAN., 1978
IA142	LE SSV MODEL 75-O		T AND SRB WITH BO			D TUNNEL (A)	M. M. MOSER JR.	
CR-151,385	TS IN THE AEDC VK		OSTER SEPARATION				-DMS	
	F TUNNEL A		MOTOR PLUME EFFEC					
			TS					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - SWTA - K1A / IA142 CR-151,386	RESULTS OF SRB SE PARATION TESTS US ING THE 0.010-SCA LE SSV MODEL 75-O TS IN THE AEDC VK F TUNNEL A	75-OTS	TO OBTAIN PROXIMI TY FORCE AND MOME NT DATA FOR ORB/E T AND SRB WITH BO OSTER SEPARATION MOTOR PLUME EFFEC TS	FORCE	0.010 / 4.5- 4.5	ROCKWELL/ AEDC - SUPERSONIC WIN D TUNNEL (A)	J. J. DAILEDA, J. MARROQUIN/RI J. E. VAUGHN M. M. MOSER JR. -DMS	DMS-DR-2346 VOLUME 02 JAN., 1978
AEDC - SWTA - K1A / IA142 CR-151,387	RESULTS OF SRB SE PARATION TESTS US ING THE 0.010-SCA LE SSV MODEL 75-O TS IN THE AEDC VK F TUNNEL A	75-OTS	TO OBTAIN PROXIMI TY FORCE AND MOME NT DATA FOR ORB/E T AND SRB WITH BO OSTER SEPARATION MOTOR PLUME EFFEC TS	FORCE	0.010 / 4.5- 4.5	ROCKWELL/ AEDC - SUPERSONIC WIN D TUNNEL (A)	J. J. DAILEDA, J. MARROQUIN/RI J. E. VAUGHN M. M. MOSER JR. -DMS	DMS-DR-2346 VOLUME 03 JAN., 1978
UW - LSWT - 1173 / CA15A CR-160,482	MATED AERODYNAMIC CHARACTERISTICS INVESTIGATION FOR 0.04-SCALE MODEL BOEING 747 CAM/O RBITER (MODEL AX1 284 E-6) COMBINAT ION IN THE UNIVER SITY OF WASHINGTO N AERONAUTICAL LA BORATORY F. K. KI RSTEN WIND TUNNEL (CA15A)	.04 SCALE 747-100 747 CAM/ORBITER-F ERRY CONF 747 CAM/ORBITER-A LT CONF	TO PROVIDE A DATA BASE TO DEFINE A ERODYNAMIC CHARAC TERISTICS IN PITC H AND YAW FOR ADD ITIONAL ORBITER I NCIDENCE ANGLES, FLAP SETTINGS AND TO DEFINE GROUND PROXIMITY EFFECT S.	FORCE	0.04 / 0.15 - 0.15	BOEING / UW - LOW SPEED WIND TUNNEL	R.D. KNUDSEN,J. M . BELZ,G. E. VEDE ROFF/TBC R. H. LINDAHL -DMS	DMS-DR-2347 VOLUME 01 JUNE, 1980

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
UW -	MATED AERODYNAMIC	747-100 ALONE	TO SUPPLEMENT IN	FORCE	0.04,	BOEING /	R.D.KNUDSEN/ THE	DMS-DR-2348
LSWT -	CHARACTERISTICS	747-100 WITH CAM	GROUND EFFECT ON		.0405/	UW -	BOEING CO.	VOLUME 01
1178 /	INVESTIGATION FOR	TYPE II KITS ATTA	THE MATED ALT CON		0.15-	LOW SPEED WIND	D.W.HERSEY	JUNE, 1980
CA15B	0.04-SCALE MODEL	CHED	FIGURATIONS, AND		0.15	TUNNEL	G. W. KLUG	
CR-160,483	BOEING 747 CAM/OR	747-100 WITH 43-0	OBTAIN DATA IN FR				-DMS	
	BITER (MODEL AX12	ATTACHED TO THE	EE AIR ON THE 747					
	84 E-7) COMBINATI	747 CAM	WITH CAM TYPE II					
	ON IN THE UNIVERS		MODIFICATIONS AN					
	ITY OF WASHINGTON		D ON THE MATED CO					
	AERONAUTICAL LAB		NFIGURATION FOR 4					
	ORATORY F.K. KIRS		.5 DEG. INCIDENCE					
	TEN WIND TUNNEL (		.					
	CA15B)							
UW -	RESULTS OF TEST C	CARRIER B29BW45N	THIS TEST WAS PAR	FORCE	0.04 ,	BOEING /	W.N. WRIGHT/TBC	DMS-DR-2349
LSWT -	A17 CONDUCTED IN	5857M2526T14Q12AT	T II OF THE CARRI		0.0405 /	UW -	D. A. SARVER	NOV., 1977
1184 /	THE UWAL LOW SPEE	115.1106.1V9.1.3F	ER AIRCRAFT MODIF		0.15-	LOW SPEED WIND	G. W. KLUG	
CA17	D WIND TUNNEL	TS1	ICATION PROGRAM		0.15	TUNNEL	-DMS	
CR-151,379	USING THE MATED O	ORBITER B26.1C9E	(CAM). EFFECTS OF					
	.04-SCALE 747 MOD	44F8M16R5V8W116	FLAP, STABILIZER					
	EL AX1284 AND 0.0		, RUDDER, SPOILER					
	405 SPACE SHUTTLE		, AILERON, ELEVON					
	ORBITER MODEL 43-		,AND INCIDENCE AN					
	0		GLES, TAILCONE AN					
			D GROUND PROXIMIT					
			Y ON BOTH LONGI-					
			TUDINAL AND LATER					
			AL-DIRECTIONAL CH					
			ARACTERISTICS AT					
			MACH 0.15.					
LARC -	RESULTS OF PHASE	140B ORB., MODEL	TO OBTAIN THERMAL	HEAT-TRANS	0.006 /	ROCKWELL/	J. W. CUMMINGS, W	DMS-DR-2350
8VDHT -	CHANGE PAINT THER	90-0	CONTOURS		8.0 -	LARC -	. H. DYE/RI	APRIL, 1977
4502-4601/	MAL MAPPING TEST				8.0	MACH 8 VARIABL	D. A. SARVER	
OH46	OH46 USING THE 0.					E-DENSITY HYPE	M. M. MOSER JR.	
CR-151,065	006-SCALE MODEL 9					RSONIC TUNNEL	-DMS	
	0-0 IN THE NASA L							
	ARC VARIABLE DENS							
	ITY TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD -	RESULTS OF TEST O	ORBITER 102 FOREB	TO OBTAIN LOW SPE	FORCE	0.18 -	ROCKWELL/	R.B.RUSSELL/ R.I.	DMS-DR-2351
LSWT -	A238 USING THE SS	ODY	ED AIR DATA SYSTE		0.25	NRLAD -	R.R.BURROWS/ R.I.	JAN., 1982
764 /	V VEHICLE 102 0.1		M SIDE PROBE AND			LOW SPEED WIND	W. B. MEINDERS	
OA238	O-SCALE FOREBODY		FLIGHT TEST PROBE			TUNNEL	-DMS	
CR-160,853	MODEL NO. 99-0 IN		PRESSURE DATA ON					
	THE NAAL LOW SPE		THE OML FOREBODY					
	ED WIND TUNNEL TO		MODEL 99-0, ALSO					
	INVESTIGATE AIR		TO INVESTIGATE MO					
	DATA SYSTEM CHARA		DEL BLOCKAGE AND					
	CTERISTICS		THE EFFECTS OF PR					
			OBE POSITION, PRO					
			BE SCALE AND PROB					
			E ROLL ANGLES ON					
			ALL RECORDED PRES					
			SURE LEVELS					
LARC -	A STUDY OF TRANSO	ORBITER 140A/B/C	THIS REPORT PRESE	FORCE	0.015/	LARC /	BERNARD SPENCER J	DMS-DR-2352
8TPT -	NIC BETA HYSTERES	B26C9E43F8M16N28	NTS THE RESULTS O		.7-	LARC -	R./ LARC	JAN., 1978
758 /	IS OF AN 0.015 SC	R5V8W	F AN INVESTIGATIO		1.2	8-FOOT TRANSON	GEORGE M. WARE/ L	
LA91	ALE MODEL 44-0		N IN THE NASA/			IC PRESSURE TU	ARC	
CR-151,383	(SPACE SHUTTLE OR		LARC 8-FOOT TRANS			NNEL	J. W. BALL	
	BITER TESTED IN T		ONIC PRESSURE TUN				G. W. KLUG	
	HE NASA/LARC 8-FO		NEL OF THE BETA H				-DMS	
	OT TRANSONIC)		YSTERESIS EFFECT					
	PRESSURE TUNNEL (		OF AN 0.015 SCALE					
	LA91)		SSV ORBITER					
ARC -	SUBSONIC STABILIT	ALT	TO EVALUATE THE S	FORCE	0.030 /	LARC /	G. M. WARE, B. SP	DMS-DR-2353
11TWT -	Y AND CONTROL CHA		TABILITY AND CONT		0.4 -	ARC -	ENCER, JR./LARC	JUNE, 1981
213-1 /	RACTERISTICS OF A		ROL CHARACTERISTI		0.7	11-FOOT TRANSO	J. UNDERWOOD, P.	
LA89	0.030-SCALE SPAC		CS OF THE SHUTTLE			NIC WIND TUNNE	ROMERE, JSC	
CR-160,827	E SHUTTLE ORBITER		ORBITER IN THIS			L (UNITARY)	S. R. HOULIHAN	
	WITH TAILCONE (M		ALT CONFIGURATION				B. J. BURST	
	ODEL 201) TESTED						-DMS	
	IN THE NASA/ARC 1							
	1-FOOT TRANSONIC							
	WIND TUNNEL (LA89							
	)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF SRB SE	MODEL 75-OTS (WIN	TO COMPLETE DATA	FORCE	4.0 -	ROCKWELL/	J. J. DAILEDA, R	DMS-DR-2354
SWTA -	PARATION TESTS US	G)	VOIDS IN THE SRB		5.0	AEDC -	. H. SPANGLER /RI	VOLUME 01
P8A /	ING THE 0.010 SCA		SEPARATION AERO D			SUPERSONIC WIN	J. E. VAUGHN	FEB., 1978
IA143	LE SSV MODEL 75-O		ATA BASE FOR BOTH			D TUNNEL (A)	G. G. MCDONALD	
CR-151,401	TS IN THE AEDC VK		PLUME-ON AND PLU				-DMS	
TM-X	F TUNNEL A (IA143		ME-OFF CONDITIONS					
1	)		.					
AEDC -	RESULTS OF SRB SE	MODEL 75-OTS (WIN	TO COMPLETE DATA	FORCE	4.0 -	ROCKWELL/	J. J. DAILEDA, R	DMS-DR-2354
SWTA -	PARATION TESTS US	G)	VOIDS IN THE SRB		5.0	AEDC -	. H. SPANGLER /RI	VOLUME 02
P8A /	ING THE 0.010 SCA		SEPARATION AERO D			SUPERSONIC WIN	J. E. VAUGHN	FEB., 1978
IA143	LE SSV MODEL 75-O		ATA BASE FOR BOTH			D TUNNEL (A)	G. G. MCDONALD	
CR-151,402	TS IN THE AEDC VK		PLUME-ON AND PLU				-DMS	
TM-X	F TUNNEL A (IA143		ME-OFF CONDITIONS					
2	)		.					
AEDC -	RESULTS OF SRB SE	MODEL 75-OTS (WIN	TO COMPLETE DATA	FORCE	4.0 -	ROCKWELL/	J. J. DAILEDA, R	DMS-DR-2354
SWTA -	PARATION TESTS US	G)	VOIDS IN THE SRB		5.0	AEDC -	. H. SPANGLER /RI	VOLUME 03
P8A /	ING THE 0.010 SCA		SEPARATION AERO D			SUPERSONIC WIN	J. E. VAUGHN	FEB., 1978
IA143	LE SSV MODEL 75-O		ATA BASE FOR BOTH			D TUNNEL (A)	G. G. MCDONALD	
CR-151,403	TS IN THE AEDC VK		PLUME-ON AND PLU				-DMS	
TM-X	F TUNNEL A (IA143		ME-OFF CONDITIONS					
3	)		.					
AEDC -	RESULTS OF SRB SE	MODEL 75-OTS (WIN	TO COMPLETE DATA	FORCE	4.0 -	ROCKWELL/	J. J. DAILEDA, R	DMS-DR-2354
SWTA -	PARATION TESTS US	G)	VOIDS IN THE SRB		5.0	AEDC -	. H. SPANGLER /RI	VOLUME 04
P8A /	ING THE 0.010 SCA		SEPARATION AERO D			SUPERSONIC WIN	J. E. VAUGHN	FEB., 1978
IA143	LE SSV MODEL 75-O		ATA BASE FOR BOTH			D TUNNEL (A)	G. G. MCDONALD	
CR-151,404	TS IN THE AEDC VK		PLUME-ON AND PLU				-DMS	
TM-X	F TUNNEL A (IA143		ME-OFF CONDITIONS					
4	)		.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF TEST O	B17 C7 E22 F7 M4	TO INVESTIGATE AE	HEAT-TRANS	7.9 -	ROCKWELL/	W. J. GRIFALL/RI	DMS-DR-2355
SWTA -	H49A OF THE .0175	W104	RODYNAMIC HEATING		8.0	AEDC -	W. R. MARTINDALE,	JUNE, 1977
VA525/218/	-SCALE SPACE SHUT		EFFECTS DURING E			SUPERSONIC WIN	C. E. KAUL/ARO	
OH49A	TLE ORBITER MODEL		NTRY			D TUNNEL (A)		
CR-151,066	22-O CONDUCTED IN							
	THE AEDC VKF TUN							
	NEL B TO DETERMIN							
	E AERO HEATING CH							
	ARACTERISTICS							
AEDC -	AERODYNAMIC HEATI	MODEL 83-O (B60 C	TO INVESTIGATE EF	HEAT-TRANS	0.040 /	ROCKWELL/	B. J. HERRERA/RI	DMS-DR-2356
HWTB -	NG RESULTS OBTAIN	10)	FECTS OF PROTUBER		7.90 -	AEDC -	D. A. SARVER	MAY, 1977
B7A /	ED DURING TEST OH		ANCES ON AERODYNA		8.0	HYPERSONIC WIN	M. M. MOSER JR.	
OH60	60 CONDUCTED IN T		MIC HEATING ON TH			D TUNNEL (B)	-DMS	
CR-151,064	HE AEDC VKF TUNNE		E SS ORBITER FUSE					
	L B USING THE O.O		LAGE NOSE, CANOPY					
	40-SCALE MODEL 83		, AND SIDE WALLS					
	-O OF THE SPACE S							
	HUTTLE ORBITER FO							
	RWARD FIFTY PERCE							
	NT FUSELAGE							
ARC -	RESULTS OF ASCENT	INTEGRATED VEHICL	TO OBTAIN AERODYN	HEAT-TRANS	0.0175 /	ROCKWELL/	W. H. DYE/RI	DMS-DR-2357
3.5HWT -	AERODYNAMIC HEAT	E	AMIC HEAT TRANSFE		5.3 -	ARC -	S. R. HOULIHAN	JUNE, 1983
222 /	ING TESTS ON THE	ORBITER PLUS TANK	R DATA ON THE SSV		7.4	3.5-FOOT HYPER	G. W. KLUG	
IH68	SPACE SHUTTLE ASC	ORBITER, TANK, AN	VEHICLE 5 CONFIG			SONIC WIND TUN	-DMS	
CR-167,655	ENT VEHICLE, AT M	D SRB ALONE	URATION			NEL		
	ACH 5.3 AND 7.4 I							
	N THE NASA/AMES 3							
	.5-FOOT HWT, USIN							
	G THE 0.0175-SCAL							
	E MODEL 60 OTS (I							
	H68)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTB - 58A / OH50B CR-151,067	AERODYNAMIC HEATING RESULTS OBTAINED DURING TEST OH50B CONDUCTED IN THE AEDC VKF TUNNEL B USING THE 0.040-SCALE 83-0 OF THE SPACE SHUTTLE ORBITER FORWARD FIFTY PERCENT FUSELAGE	FORWARD 50 PERCENT FUSELAGE, MODEL 83-0	TO INVESTIGATE EFFECTS OF PROTUBERANCES ON AERO. HEATING ON NOSE, CANOPY, SIDE WALLS	HEAT-TRANS	0.040 / 7.90 - 8.00	ROCKWELL/ AEDC - HYPERSONIC WIND TUNNEL (B)	W. H. DYE/RI D. A. SARVER M. M. MOSER JR. -DMS	DMS-DR-2358 JUNE, 1977
CALSPAN - 96HST - 131 / OH66 CR-151,405	RESULTS OF HEAT TRANSFER TESTING OF AN 0.025-SCALE MODEL (66-0) OF THE SPACE SHUTTLE ORBITER CONFIGURATION 140B IN THE CALSPAN HYPER-SONIC SHOCK TUNNEL (OH66)	ROCKWELL VEHICLE 3 (MODIFIED) SHUTTLE ORBITER. MODEL 66-0	OBTAIN SPANWISE HEAT TRANSFER RATE DISTRIBUTIONS ON THE LEADING EDGE OF THE GLOVE AND WING, ESPECIALLY SHOCK INTERFERENCE PEAKS. OBTAIN HEAT TRANSFER DISTRIBUTIONS NORMAL TO A LEADING EDGE AT SIX SPANWISE LOCATIONS.	HEAT-TRANS	0.025 / 9.88 - 10.0	ROCKWELL/ CALSPAN - 96-INCH HYPERSONIC SHOCK TUNNEL	C.L.BERTHOL/ROCKWELL H.GOROWITZ/ROCKWELL J. E. VAUGHN -DMS	DMS-DR-2359 MARCH, 1978

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	CALIBRATION TESTS	ORBITER VEHICLE 1	MEASURE AIR DATA	FORCE	0.10 /	ROCKWELL/	A.R.GROSS/ARC	DMS-DR-2360
97SWT -	OF THE SPACE SHU	02 FOREBODY	SYSTEM PROBE PITO		1.6 -	ARC -	T.J.DZIUBALA/R.I.	VOLUME 01
119-1 /	TTLE ORBITER PRIM		T AND STATIC PRES		3.5	9-FOOT BY 7-FO	W. B. MEINDERS	DEC., 1980
87SWT -	ARY AND ALTERNATE		SURE ERRORS;DETER			OT. SUPERSONIC	-DMS	
119 /	AIR DATA SYSTEMS		MINE PROBE SCALE			WIND TUNNEL (U		
OA221B/C	USING A 0.10-SCA		EFFECT ON THE STA			NITARY)		
CR-160,521	LE ORBITER FOREBO		TIC PRESSURE CALI			8-FOOT BY 7-FO		
	DY MODEL (99-0) I		BRATION;CALIBRATE			OT SUPERSONIC		
	N THE NASA AMES R		THE ANGLE-OF-ATTA			WIND TUNNEL (U		
	ESEARCH CENTER 9		CK SENSOR; EVALUA			NITARY)		
	X 7 AND 8 X 7-FOO		TION OF BOTH FLUS					
	T LEGS OF THE UNI		H PORT AND INSTRU					
	TARY PLAN WIND TU		MENTED REACTION C					
	NNEL (OA221B AND		ONTROL SYSTEM THR					
	C)		USTER AIR DATA SY					
			STEMS					
ARC -	CALIBRATION TESTS	ORBITER VEHICLE 1	MEASURE AIR DATA	FORCE	0.10 /	ROCKWELL/	A.R.GROSS/ARC	DMS-DR-2360
97SWT -	OF THE SPACE SHU	02 FOREBODY	SYSTEM PROBE PITO		1.6 -	ARC -	T.J.DZIUBALA/R.I.	VOLUME 02
119-1 /	TTLE ORBITER PRIM		T AND STATIC PRES		3.5	9-FOOT BY 7-FO	W. B. MEINDERS	DEC., 1980
87SWT -	ARY AND ALTERNATE		SURE ERRORS;DETER			OT SUPERSONIC	-DMS	
119 /	AIR DATA SYSTEMS		MINE PROBE SCALE			WIND TUNNEL (U		
OA221B/C	USING A 0.10-SCA		EFFECT ON THE STA			NITARY)		
CR-160,522	LE ORBITER FOREBO		TIC PRESSURE CALI			8-FOOT BY 7-FO		
	DY MODEL (99-0) I		BRATION;CALIBRATE			OT SUPERSONIC		
	N THE NASA AMES R		THE ANGLE-OF-ATTA			WIND TUNNEL (U		
	ESEARCH CENTER 9		CK SENSOR; EVALUA			NITARY)		
	X 7 AND 8 X 7-FOO		TION OF BOTH FLUS					
	T LEGS OF THE UNI		H PORT AND INSTRU					
	TARY PLAN WIND TU		MENTED REACTION C					
	NNEL (OA221B AND		ONTROL SYSTEM THR					
	C)		USTER AIR DATA SY					
			STEMS					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD - LSWT - 768 / OA163B CR-151,370	RESULTS OF A LANDING GEAR LOADS TEST USING A 0.0405-SCALE MODEL (16-0) OF THE SPACE SHUTTLE ORBITER IN THE ROCKWELL INTERNATIONAL NAAL WIND TUNNEL (OA163B)	B68C12E55F10M16N28R5V8W127X9	THE PRIMARY TEST OBJECTIVE WAS TO VERIFY ORBITER LANDING GEAR SYSTEM PRESSURE LOADING AND HINGE MOMENT LEVELS OBTAINED DURING THE TEST PERIOD OA163.	FORCE PRESSURE	0.0405 / 0.17 -	ROCKWELL/ NRLAD - LOW SPEED WIND TUNNEL	R.C.MENNELL/ROCKWELL INTERNATIONAL D.W.HERSEY G. W. KLUG -DMS	DMS-DR-2361 VOLUME 01 OCT., 1977
NRLAD - LSWT - 768 / OA163B CR-151,371	RESULTS OF A LANDING GEAR LOADS TEST USING A 0.0405-SCALE MODEL (16-0) OF THE SPACE SHUTTLE ORBITER IN THE ROCKWELL INTERNATIONAL NAAL WIND TUNNEL (OA163B)	B68C12E55F10M16N28R5V8W127X9	THE PRIMARY TEST OBJECTIVE WAS TO VERIFY ORBITER LANDING GEAR SYSTEM PRESSURE LOADING AND HINGE MOMENT LEVELS OBTAINED DURING THE TEST PERIOD OA163.	FORCE PRESSURE	0.0405 / 0.17 -	ROCKWELL/ NRLAD - LOW SPEED WIND TUNNEL	R.C.MENNELL/ROCKWELL INTERNATIONAL D.W.HERSEY G. W. KLUG -DMS	DMS-DR-2361 VOLUME 02 OCT., 1977
LARC - TDT - 246 / OS7 CR-151,057	RESULTS OF FLUTTER TEST OS7 OBTAINED USING THE 0.14-SCALE SPACE SHUTTLE ORBITER FIN/RUDDER MODEL NUMBER 55-0 IN THE NASA LARC 16-FOOT TRANSONIC DYNAMICS WIND TUNNEL	55-0 (FIN, RUDDER)	TO INVESTIGATE FLUTTER BOUNDARIES	STRUCT-DYN	0.14 / 095 - 1911	ROCKWELL/ LARC - TRANSONIC DYNAMICS TUNNEL	C. L. BERTHOLD/RI F. RAUCH, G. COMMERFORD, T. FOLEY/ GRUMMAN D. A. SARVER M. M. MOSER JR. -DMS	DMS-DR-2363 APRIL, 1977

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	1.5 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2364
97SWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	2.5	ARC -	OCKWELL INTERNATI	VOLUME 01
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			9-FOOT BY 7-FO	ONAL SPACE DIVISI	FEB., 1981
OA145B	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			OT SUPERSONIC	ON	
CR-160,527	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			WIND TUNNEL (U	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU			NITARY)	-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-0) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(OA145B)		PROPOSED INBOARD/					
			OUTBOARD ELEVON I					
			NTERACTION MATH M					
			ODEL					
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	1.5 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2364
97SWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	2.5	ARC -	OCKWELL INTERNATI	VOLUME 02
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			9-FOOT BY 7-FO	ONAL SPACE DIVISI	MARCH, 1981
OA145B	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			OT SUPERSONIC	ON	
CR-160,528	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			WIND TUNNEL (U	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU			NITARY)	-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-0) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(OA145B)		PROPOSED INBOARD/					
			OUTBOARD ELEVON I					
			NTERACTION MATH M					
			ODEL					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	1.5 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2364
97SWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	2.5	ARC -	OCKWELL INTERNATI	VOLUME 03
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			9-FOOT BY 7-FO	ONAL SPACE DIVISI	FEB., 1981
OA145B	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			OT SUPERSONIC	ON	
CR-160,529	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			WIND TUNNEL (U	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU			NITARY)	-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-O) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(OA145B)		PROPOSED INBOARD/					
			OUTBOARD ELEVON I					
			NTERACTION MATH M					
			ODEL					
LARC -	RESULTS OF FLUTTE	MODEL 54-O	TO DETERMINE FLUT	STRUCT-DYN	0.14 /	LARC /	G. SPENCER, JR./L	DMS-DR-2365
TDT -	R TEST OS6 OBTAIN		TER, BUFFET, AND		0.3 -	LARC -	ARC	APRIL, 1977
246 /	ED USING THE 0.14		ELEVON BUZZ BOUND		1.1	TRANSONIC DYNA	M. M. MOSER JR.	
OS6	-SCALE WING/ELEVO		ARIES			MICS TUNNEL	-DMS	
CR-151,056	N MODEL (54-O) IN							
	THE NASA LARC 16							
	-FOOT TRANSONIC D							
	YNAMICS WIND TUNN							
	EL							
AEDC -	HEAT TRANSFER PHA	140C (B17C7E22F5M	TO INVESTIGATE EN	HEAT-TRANS	0.0175 /	ROCKWELL/	W. H. DYE/RI	DMS-DR-2366
HWTB -	SE CHANGE PAINT T	4R5V7W103	TRY AERODYNAMIC H		7.88 -	AEDC -	L. L. TRIMMER/ARO	MAY, 1977
41B-83A /	ESTS OF 0.0175-SC		EATING EFFECTS		8.0	HYPERSONIC WIN	D. A. SARVER	
OH25B	ALE MODEL (NO. 56					D TUNNEL (B)	M. M. MOSER JR.	
CR-151,063	-O) OF THE ROCKWE						-DMS	
	LL INTERNATIONAL							
	SPACE SHUTTLE OR							
	BITER IN THE AEDC							
	TUNNEL B HYPERSO							
	NIC WIND TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTB - V41B-K3A / OH57A/B CR-151,773	RESULTS OF A HIGH ANGLE-OF-ATTACK AERO HEATING PRESSURE TEST ON A O.0175-SCALE MODEL (92-O) OF THE OV-102 CONFIGURATION SPACE SHUTTLE ORBITER IN THE AEDC VKF TUNNEL B (OH 57A/B)	MODEL 91-O ORBITER 102, DRWG VC-70-000002B	OBTAIN STATIC PRESSURES ON UPPER AND LOWER WING SURFACES AND VERT. TAIL FOR FLOW FIELD DEFINITION	HEAT-TRANS	0.0175 / 7.94 - 8.0	ROCKWELL/ AEDC - HYPERSONIC WIND TUNNEL (B)	PAUL LAMOINE/RI J. L. GLYNN J. E. VAUGHN -DMS	DMS-DR-2367 MAY, 1979
LARC - CFHT - 112 / OH51 CR-151,058	RESULTS OF PHASE CHANGE HEAT TRANSFER TEST OH51 USING O.006-SCALE SPACE SHUTTLE ORBITER MODELS 46-O AND 90-O AND PARTIAL WING O.0175-SCALE MODEL 64-O IN THE LARC 31-INCH CFHT	MODELS 46-O, 64-O, 90-O	TO INVESTIGATE PHASE CHANGE PAINT HEATING EFFECTS ON ORBITER AND PARTIAL WING; WING TESTED WITH SHOCK GENERATOR AT VARIOUS POSITIONS	HEAT-TRANS	O.006 , O.0175 / 10 -	ROCKWELL/ LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL	J. W. CUMMINGS/RI D.W.HERSEY M. M. MOSER JR. -DMS	DMS-DR-2368 APRIL, 1977
MSFC - HRWT - 039 / SA31F CR-167,345	AN AERODYNAMIC STATIC STABILITY WIND TUNNEL TEST OF A O.00856 SCALE MODEL OF THE SPACE SHUTTLE 146 INCH DIAMETER SOLID ROCKET BOOSTER REENTRY CONFIGURATION (MSFC MODEL 487) IN THE NASA/MSFC HIGH REYNOLDS NUMBER WIND TUNNEL	SRB REENTRY CONFIG.	TO OBTAIN AERO. FORCE DATA OF SRB AT REENTRY MACH NUMBERS AND ATTITUDES	FORCE	O.4 - O.9	MSFC / MSFC - HIGH REYNOLDS NUMBER WIND TUNNEL	G. W. WINKLER/I V. W. SPARKS M. M. MOSER JR. -DMS	DMS-DR-2369 FEB., 1982

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TEST U	B70C9E44F9M16N28R	DETERMINE FORCE/P	FORCE	1.6 -	ROCKWELL/	E. CHEE/ROCKWELL	DMS-DR-2370
97SWT -	SING A 0.030-SCAL	5V8W116(ORBITER)	RESSURE DATA AT H	PRESSURE	3.5	ARC -	INTERNATIONAL	VOLUME 01
115-1 /	E PRESSURE LOADS		IGH ALPHA/BETA CO			9-FOOT BY 7-FO	J. MARROQUIN/ROCK	APRIL, 1980
87SWT -	SPACE SHUTTLE ORB		MBINATIONS FOR			OT SUPERSONIC	WELL INTERNATIONA	
115-1 /	ITER MODEL (47-0)		MACH RANGE 1.6 TO			WIND TUNNEL (U	L	
0A149B/C	IN THE NASA/ARC		3.5			NITARY)	M. M. MANN	
CR-151,790	UNITARY PLAN WIND					8-FOOT BY 7-FO	-DMS	
	TUNNEL					OT SUPERSONIC		
						WIND TUNNEL (U		
						NITARY)		
ARC -	RESULTS OF TEST U	B70C9E44F9M16N28R	DETERMINE FORCE/P	FORCE	1.6 -	ROCKWELL/	E. CHEE/ROCKWELL	DMS-DR-2370
97SWT -	SING A 0.030-SCAL	5V8W116(ORBITER)	RESSURE DATA AT H	PRESSURE	3.5	ARC -	INTERNATIONAL	VOLUME 02
115-1 /	E PRESSURE LOADS		IGH ALPHA/BETA CO			9-FOOT BY 7-FO	J. MARROQUIN/ROCK	APRIL, 1980
87SWT -	SPACE SHUTTLE ORB		MBINATIONS FOR			OT SUPERSONIC	WELL INTERNATIONA	
115-1 /	ITER MODEL (47-0)		MACH RANGE 1.6 TO			WIND TUNNEL (U	L	
0A149B/C	IN THE NASA/ARC		3.5			NITARY)	M. M. MANN	
CR-151,791	UNITARY PLAN WIND					8-FOOT BY 7-FO	-DMS	
	TUNNEL					OT SUPERSONIC		
						WIND TUNNEL (U		
						NITARY)		
ARC -	RESULTS OF TEST U	B70C9E44F9M16N28R	DETERMINE FORCE/P	FORCE	1.6 -	ROCKWELL/	E. CHEE/ROCKWELL	DMS-DR-2370
97SWT -	SING A 0.030-SCAL	5V8W116(ORBITER)	RESSURE DATA AT H	PRESSURE	3.5	ARC -	INTERNATIONAL	VOLUME 03
115-1 /	E PRESSURE LOADS		IGH ALPHA/BETA CO			9-FOOT BY 7-FO	J. MARROQUIN/ROCK	MAY, 1980
87SWT -	SPACE SHUTTLE ORB		MBINATIONS FOR			OT SUPERSONIC	WELL INTERNATIONA	
115-1 /	ITER MODEL (47-0)		MACH RANGE 1.6 TO			WIND TUNNEL (U	L	
0A149B/C	IN THE NASA/ARC		3.5			NITARY)	M. M. MANN	
CR-151,792	UNITARY PLAN WIND					8-FOOT BY 7-FO	-DMS	
	TUNNEL					OT SUPERSONIC		
						WIND TUNNEL (U		
						NITARY)		

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
JSC -	RESULTS OF BASE H	ORBITER VEHICLE 1	TO MEASURE HEAT T	HEAT-TRANS	0.04 /	ROCKWELL/	W. P. GARTON/RI	DMS-DR-2371
56-A-76 /	EATING TESTS ON A	02	RANSFER RATES AND			JSC -	J. E. VAUGHN	MAY, 1978
OH78	0.04 SCALE SPACE		PRESSURE DISTRIB				-DMS	
CR-151,408	SHUTTLE ORBITER		UTIONS ABOUT THE					
	BASE (MODEL 65-O)		BASE OF THE ORBIT					
	IN THE NASA/JSC		ER VEHICLE DURING					
	THERMAL VACUUM CH		SECOND STAGE ASC					
	AMBER A		ENT					
AEDC -	RESULTS OF HEAT T	OTS	TO OBTAIN ET AND	HEAT-TRANS	3.01 -	ROCKWELL/	W. H. DYE /RI	DMS-DR-2372
SWTA -	RANSFER TESTS OF	TANK ALONE	SRB AERODYNAMIC H		4.02	AEDC -	E. C. ALLEN	NOV., 1981
V41A-R2A /	A 0.0175-SCALE SP	LEFT SRB ALONE	EAT TRANSFER DATA			SUPERSONIC WIN	S. R. HOULIHAN	
IH72	ACE SHUTTLE INTEG	RIGHT SRB ALONE	ON THE SPACE SHU			D TUNNEL (A)	C. R. EDWARDS	
CR-160,843	RATED VEHICLE MOD		TTLE INTEGRATED V				-DMS	
	EL 60-OTS IN THE		EHICLE DURING LAU					
	AEDC-VKF TUNNEL A		NCH CONDITIONS					
	(IH72)							
LARC -	EFFECT OF TAILCON	LARC BUILT MODEL	VERIFY MONLINEARI	FORCE	0.4 -	LARC /	BERNARD SPENCER,	DMS-DR-2373
8TPT -	E CUT-OFF AND STI	201-O 0.030 SCALE	TIES AND DETERMIN		0.6	LARC -	JR./ NASA LARC	MARCH, 1981
769 /	NG CONFIGURATION	SSV ORBITER WITH	E REASON DIFFEREN			8-FOOT TRANSON	GEORGE M. WARE/NA	
LA99	ON THE AERODYNAMI	REMOTE ELEVONS	CES NOTED BETWEEN			IC PRESSURE TU	SA/LARC	
CR-160,821	C CHARACTERISTICS		DATA OF TESTS OA1			NNEL	G. G. MCDONALD	
	OF A 0.030 SCALE		75 AND LA89. RUDD				-DMS	
	(REMOTELY CONTROL		ER AND BODYFLAP C					
	LED ELEVON, BODYF		ONTROL EFFECTIVEN					
	LAP AND RUDDER) M		ESS FOR ALT CONDI					
	ODEL 201-O ALT OR		TIONS WERE DETERM					
	BITER TESTED IN T		INED AS WELL AS C					
	HE NASA/LARC 8-FO		ONTROL DEFLECTION					
	OT TPT (LA99)		EFFECTS ON STABIL					
			ITY					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN - 8TWT - T18-111 / T18-113 / LA82 LA103 CR-167,372	INVESTIGATIONS IN THE CALSPAN 8-FOOT TRANSONIC WIND TUNNEL TO DETERMINE STING-TARE EFFECTS ON A MODIFIED 0.0165-SCALE SPACE SHUTTLE ORBITER MODEL WITH A TAILCONE (LA82/LA103)	B20F4M16W87E19V5R5TC4	TO DETERMINE STING-TARE EFFECTS FOR THE ORBITER WITH TAILCONE	FORCE	0.0165 / 0.3- 0.7	LARC / CALSPAN - 8-FOOT TRANSONIC WIND TUNNEL	B. SPENCER/LARC G.M. WARE/LARC J. E. VAUGHN B. J. BURST -DMS	DMS-DR-2374 OCT., 1982
ARC - 40SWT - 500 / 0A237 CR-160,530	RESULTS OF AIR DATA SYSTEM CALIBRATION TEST USING THE 0.10-SCALE SPACE SHUTTLE ORBITER VEHICLE 102 FOREBODY MODEL 99-0 IN THE NASA 40 X 80-FOOT SUBSONIC WIND TUNNEL (OA237)	ORBITER VEHICLE 102 FOREBODY	OBTAIN ORBITER AIR DATA SYSTEM LOW-SPEED CALIBRATION; DEMONSTATE THAT FOREBODY MODEL WILL PROVIDE FULL ORBITE FLOW FIELD SIMULATION AT THE AIR DATA PROBES; DEMONSTRATE THAT PREDICTED BLOCKAGE INFLUENCE ON PROBE FOR THE NAL TUNNEL IS VALID	FORCE	00.11- 0.27	ROCKWELL/ ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND TUNNEL	R.R.BURROW/RI R.L.MAKI/ARC W. B. MEINDERS -DMS	DMS-DR-2375 DEC., 1980
ARC - 11TWT - 115 / 0A149A CR-151,779	RESULTS OF TEST USING A 0.030-SCALE PRESSURE LOADS SPACE SHUTTLE ORBITER MODEL (47-0) IN THE NASA/ARC UNITARY PLAN WIND TUNNEL	B70C9E44F9M16N28R5V8W116(ORBITER)	DETERMINE FORCE/PRESSURE DATA AT HIGH ALPHA/BETA COMBINATIONS FOR MACH RANGE 0.6 TO 1.4	FORCE PRESSURE	0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	E. CHEE/ROCKWELL J. MARROQUIN/ROCKWELL INTERNATIONAL T. L. MULKEY M. M. MANN -DMS	DMS-DR-2376 VOLUME 01 JAN., 1980

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 115 / 0A149A CR-151,780	RESULTS OF TEST U SING A 0.030-SCAL E PRESSURE LOADS SPACE SHUTTLE ORB ITER MODEL (47-0) IN THE NASA/ARC UNITARY PLAN WIND TUNNEL	B70C9E44F9M16N28R 5V8W116(ORBITER)	DETERMINE FORCE/P RESSURE DATA AT H IGH ALPHA/BETA CO MBINATIONS FOR MACH RANGE 0.6 TO 1.4	FORCE PRESSURE	0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	E. CHEE/ROCKWELL INTERNATIONAL J. MARROQUIN/ROCK WELL INTERNATIONA L T. L. MULKEY M. M. MANN -DMS	DMS-DR-2376 VOLUME 02 JAN., 1980
ARC - 11TWT - 115 / 0A149A CR-151,781	RESULTS OF TEST U SING A 0.030-SCAL E PRESSURE LOADS SPACE SHUTTLE ORB ITER MODEL (47-0) IN THE NASA/ARC UNITARY PLAN WIND TUNNEL	B70C9E44F9M16N28R 5V8W116(ORBITER)	DETERMINE FORCE/P RESSURE DATA AT H IGH ALPHA/BETA CO MBINATIONS FOR MACH RANGE 0.6 TO 1.4	FORCE PRESSURE	0.6 - 1.4	ROCKWELL/ ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	E. CHEE/ROCKWELL INTERNATIONAL J. MARROQUIN/ROCK WELL INTERNATIONA L T. L. MULKEY M. M. MANN -DMS	DMS-DR-2376 VOLUME 03 JAN., 1980
ARC - 11TWT - 228-1 / IA144 CR-167,342	RESULTS OF TESTS OF THE 0.010 SCAL E SPACE SHUTTLE I NTEGRATED VEHICLE IN THE NASA/AMES RESEARCH CENTER 11X11 FOOT TRANSO NIC WIND TUNNEL, MODEL 72-OTS TEST IA144	0 - 140A/B/C/R SRB - MODIFIED VE HICLE 5 T - MODIFIED VEHI CLE 5	THE TEST OBJECTIV ES WERE TO OBTAIN INDIVIDUAL COMPO NENT LOADS, ELEVO N HINGE MOMENT DA TA,AND THE EFFECT S OF SEALING THE METRIC WING GAP O N COMPONENT LOADS	FORCE	0.01 / .60 - 1.40	ROCKWELL/ ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	P.J. HAWTHORNE, R . SPANGLER /RI J.J. BROWNSON /AR C D.W.HERSEY G. W. KLUG -DMS	DMS-DR-2377 VOLUME 01 APRIL, 1982
ARC - 11TWT - 228-1 / IA144 CR-167,343	RESULTS OF TESTS OF THE 0.010 SCAL E SPACE SHUTTLE I NTEGRATED VEHICLE IN THE NASA/AMES RESEARCH CENTER 11X11 FOOT TRANSO NIC WIND TUNNEL, MODEL 72-OTS TEST IA144	0 - 140A/B/C/R SRB - MODIFIED VE HICLE 5 T - MODIFIED VEHI CLE 5	THE TEST OBJECTIV ES WERE TO OBTAIN INDIVIDUAL COMPO NENT LOADS, ELEVO N HINGE MOMENT DA TA,AND THE EFFECT S OF SEALING THE METRIC WING GAP O N COMPONENT LOADS	FORCE	0.01 / .60 - 1.40	ROCKWELL/ ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	P.J. HAWTHORNE, R . SPANGLER /RI J.J. BROWNSON /AR C D.W.HERSEY G. W. KLUG -DMS	DMS-DR-2377 VOLUME 02 APRIL, 1982

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN INV	MODEL 112-T	DETERMINE PRESSUR	FORCE	0.25,	ROCKWELL/	R.H.SPANGLER, J.M	DMS-DR-2378
11TWT -	ESTIGATION OF STA		ES ON AN ARRAY OF	PRESSURE	0.75/	ARC -	ARROQUIN, M.E.NIC	MARCH, 1981
412-1 /	TIC AND DYNAMIC P		ROUND AND RECTAN		0.4-	11-FOOT TRANSO	HOLS/R.I.	
IA191	RESSURE DISTRIBUT		GULAR PIPES IN TH		1.0	NIC WIND TUNNE	J.C.MONFORT, R.R.	
CR-160,820	IONS ON EXTERNAL		E PRESENCE OF A F			L (UNITARY)	ELLINGTON/ARC	
	TANK PROTUBERANCE		LAT PLATE REPRESE				S. R. HOULIHAN	
	S IN THE 11-FOOT		NTING LO2 FEEDLIN				G. W. KLUG	
	LEG OF THE NASA/A		E, GO2 PRESSURE L				-DMS	
	RC UNITARY PLAN W		INE,LO2 ANTIGEYSE					
	IND TUNNEL (IA191		R LINE AND CABLE					
	)		TRAY AT VARIOUS C					
			ROSS FLOW ANGLES-					
			TO ALSO DETERMIN					
			E DYNAMIC ENVIRON					
			MENT AROUND THE S					
			AME ARRAY.					
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	0.6 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2380
11TWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	1.4	ARC -	OCKWELL INTERNATI	VOLUME 01
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			11-FOOT TRANSO	ONAL SPACE DIVISI	DEC., 1980
OA145A	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			NIC WIND TUNNE	ON	
CR-151,801	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			L (UNITARY)	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU				-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-0) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(OA145A		PROPOSED INBOARD/					
			OUTBOARD ELEVON I					
			NTERACTION MATH M					
			ODEL					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	0.6 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2380
11TWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	1.4	ARC -	OCKWELL INTERNATI	VOLUME 02
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			11-FOOT TRANSO	ONAL SPACE DIVISI	DEC., 1980
OA145A	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			NIC WIND TUNNE	ON	
CR-151,802	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			L (UNITARY)	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU				-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-O) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(OA145A		PROPOSED INBOARD/					
			OUTBOARD ELEVON I					
			NTERACTION MATH M					
			ODEL					
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	0.6 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2380
11TWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	1.4	ARC -	OCKWELL INTERNATI	VOLUME 03
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			11-FOOT TRANSO	ONAL SPACE DIVISI	DEC., 1980
OA145A	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			NIC WIND TUNNE	ON	
CR-151,803	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			L (UNITARY)	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU				-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-O) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(OA145A		PROPOSED INBOARD/					
			OUTBOARD ELEVON I					
			NTERACTION MATH M					
			ODEL					

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ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	0.6 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2380
11TWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	1.4	ARC -	OCKWELL INTERNATI	VOLUME 04
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			11-FOOT TRANSO	ONAL SPACE DIVISI	DEC., 1980
OA145A	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			NIC WIND TUNNE	ON	
CR-151,804	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			L (UNITARY)	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU				-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-0) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(OA145A		PROPOSED INBOARD/					
			OUTBOARD ELEVON I					
			NTERACTION MATH M					
			ODEL					
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	0.6 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2380
11TWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	1.4	ARC -	OCKWELL INTERNATI	VOLUME 05
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			11-FOOT TRANSO	ONAL SPACE DIVISI	DEC., 1980
OA145A	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			NIC WIND TUNNE	ON	
CR-151,805	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			L (UNITARY)	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU				-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-0) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(OA145A		PROPOSED INBOARD/					
			OUTBOARD ELEVON I					
			NTERACTION MATH M					
			ODEL					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	0.6 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2380
11TWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	1.4	ARC -	OCKWELL INTERNATI	VOLUME 06
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			11-FOOT TRANSO	ONAL SPACE DIVISI	DEC., 1980
OA145A	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			NIC WIND TUNNE	ON	
CR-151,806	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			L (UNITARY)	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU				-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-0) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(OA145A		PROPOSED INBOARD/					
			OUTBOARD ELEVON I					
			NTERACTION MATH M					
			ODEL					
LARC -		TEST CANCELLED SE	TEST CANCELLED SE	FORCE		LARC /	G. G. MCDONALD	DMS-DR-2381
8TPT -		PTEMBER 1978	PTEMBER 1978			LARC -	-DMS	JUNE, 1983
780 /						8-FOOT TRANSON		
LA107						IC PRESSURE TU		
						NNEL		
MSFC -	RESULTS OF EXPERI	MODEL 25-0 (VEH.	TO DETERMINE 2ND	HEAT-TRANS	0.04 /	MSFC /	W. P. GARTON/RI	DMS-DR-2382
IPBF -	MENTAL TESTS IN T	2A AFT OF STA. XO	STAGE ASCENT BASE			MSFC -	J. E. VAUGHN	NOV., 1977
027 /	HE NASA/MSFC IMPU	=1400 AND PROP. S	HEATING RATES AN			NASA/MSFC IMPU	M. M. MOSER JR.	
OH8	LSE BASE FLOW FAC	IMULATION SYS.)	D PRESSURE DISTRI			LSE BASE FLOW	-DMS	
IA109	ILITY ON A SPACE		BUTIONS RESULTING			FACILITY		
CR-151,382	SHUTTLE .04 SCALE		FROM ENGINE PLUM					
	ORBITER (MODEL 2		E RECIRCULATION A					
	5-0) TO DETERMINE		ND DIRECT PLUME I					
	SECOND STAGE ASC		MPINGEMENT					
	ENT BASE HEATING							
	RATES AND PRESSUR							
	E DISTRIBUTION							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTB - TOA / IA148 CR-151,412	RESULTS OF RCS JE T PLUME INTERACTI ON TESTS USING A 0.0125-SCALE MODE L (70-OT) OF THE SPACE SHUTTLE VEH ICLE ORBITER IN T HE AEDC VKF TUNNE L %B% (IA148)	OV102 + ET (MODEL 70-OT)	TO OBTAIN INTERAC TION EFFECTS OF R CS THRUSTER JET P LUMES ON SSV AERO DYNAMICS DURING S TAGING TO SIMULAT E A RETURN-TO-LAU NCH SITE (RTLS) A BORT MISSION	FORCE	0.0125 / 5.89	ROCKWELL/ AEDC - HYPERSONIC WIN D TUNNEL (B)	J.J.DAILEDA + J.M ARROQUIN/RI J. E. VAUGHN -DMS	DMS-DR-2384 VOLUME 01 SEPT., 1978
AEDC - HWTB - TOA / IA148 CR-151,413	RESULTS OF RCS JE T PLUME INTERACTI ON TESTS USING A 0.0125-SCALE MODE L (70-OT) OF THE SPACE SHUTTLE VEH ICLE ORBITER IN T HE AEDC VKF TUNNE L %B% (IA148)	OV102 + ET (MODEL 70-OT)	TO OBTAIN INTERAC TION EFFECTS OF R CS THRUSTER JET P LUMES ON SSV AERO DYNAMICS DURING S TAGING TO SIMULAT E A RETURN-TO-LAU NCH SITE (RTLS) A BORT MISSION	FORCE	0.0125 / 5.89	ROCKWELL/ AEDC - HYPERSONIC WIN D TUNNEL (B)	J.J.DAILEDA + J.M ARROQUIN/RI J. E. VAUGHN -DMS	DMS-DR-2384 VOLUME 02 SEPT., 1978
ARC - 3.5HWT - 173 / OH15 CR-151,366	RESULTS OF TESTS ON A 0.111-SCALE SPACE SHUTTLE VE HICLE SIMULATED E LEVON/WING GAP HE AT TRANSFER MODEL (53-O) IN THE AM ES RESEARCH CENTE R 3.5-FOOT HWT	MODEL 53-O (ELEVO N/WING GAP)	TO EVALUATE EFFEC T OF ELEVON DEFLE CTION, GAP GEOMET RY, AND BOUNDARY LAYER STATE ON EL EVON/WING GAP HEA TING	HEAT-TRANS	0.111 / 5.1 - 5.1	ROCKWELL/ ARC - 3.5-FOOT HYPER SONIC WIND TUN NEL	C. L. BERTHOLD/RI D.W.HERSEY M. M. MOSER JR. -DMS	DMS-DR-2385 SEPT., 1977
ARC - 3.5HWT - 177 / OH44 CR-151,368	RESULTS OF TESTS ON A 0.111-SCALE SPACE SHUTTLE VEH ICLE SIMULATED EL EVON/ELEVON GAP H EAT TRANSFER MODE L (53-O) IN THE A MES RESEARCH CENT ER 3.5-FOOT HYPER SONIC WIND TUNNEL	MODEL 53-O (ELEVO N/ELEVON GAP)	TO EVALUATE EFFEC T OF ELEVON DEFLE CTION, GAP GEOMET RY, AND BOUNDARY	HEAT-TRANS	0.111 / 5.1 - 5.1	ROCKWELL/ ARC - 3.5-FOOT HYPER SONIC WIND TUN NEL	C. L. BERTHOLD/RI D.W.HERSEY M. M. MOSER JR. -DMS	DMS-DR-2386 SEPT., 1977

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -		TEST CANCELLED SE	TEST CANCELLED SE	FORCE		LARC /	J. W. BALL	DMS-DR-2387
LTPT -		PTEMBER 1978	PTEMBER 1978			LARC -	G. G. MCDONALD	TASK
246 /						LOW-TURBULENCE	-DMS	CANCELLED
LA104						PRESSURE TUNN		SEPT., 1978
						EL		
AEDC -	RESULTS OF WIND T	MODEL 83-0 (0.04-	1)DETERMINE ORBIT	HEAT-TRANS	0.04 ,	ROCKWELL/	P. L. LEMOINE/RI	DMS-DR-2388
HWTB -	UNNEL TESTS OF TH	SCALE)	ER (60-0)WINDWARD		0.0175 /	AEDC -	J. E. VAUGHN	MARCH, 1984
V41B-R4A /	IN-SKIN THERMOCOU	MODEL 60-0 (0.017	SURFACE HEATING		7.90 -	HYPERSONIC WIN	G. R. LUTZ	
OH84A	PLE MODELS 83-0 (	5-SCALE)	OF TURBULENT		8.0	D TUNNEL (B)	-DMS	
CR-167,676	0.04-SCALE) AND 6		FLOW ORIGINATING					
	0-0 (0.0175-SCALE		IN THE AREA OF TH					
	) OF THE SPACE SH		E NOSE RCC/RSI IN					
	UTTLE ORBITER IN		TERFACE					
	THE AEDC VKF HYPE		2)DETERMINE ORBIT					
	RSONIC WIND TUNNE		ER (83-0) LEESIDE					
	L B (OH84A)		HEATING IN SAME					
			AREA					
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	2.45 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2389
87SWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	3.5	ARC -	OCKWELL INTERNATI	VOLUME 01
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			8-FOOT BY 7-FO	ONAL SPACE DIVISI	JUNE, 1981
OA145C	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			OT SUPERSONIC	ON	
CR-160,810	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			WIND TUNNEL (U	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU			NITARY)	-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-0) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(OA145C)		PROPOSED INBOARD					
			ELEVON INTERACTIO					
			N MATH MODEL					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	2.45 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2389
87SWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	3.5	ARC -	OCKWELL INTERNATI	VOLUME 02
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			8-FOOT BY 7-FO	ONAL SPACE DIVISI	JUNE, 1981
0A145C	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			OT SUPERSONIC	ON	
CR-160,811	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			WIND TUNNEL (U	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU			NITARY)	-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-0) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(0A145C)		PROPOSED INBOARD					
			ELEVON INTERACTIO					
			N MATH MODEL					
ARC -	RESULTS OF AN INV	B75C16E64F16FD3FR	VERIFY ORBITER VE	FORCE	2.45 -	ROCKWELL/	R. H. MULFINGER/R	DMS-DR-2389
87SWT -	ESTIGATION TO VER	22HG1M52N108N109N	HICLE 102 AERODYN	PRESSURE	3.5	ARC -	OCKWELL INTERNATI	VOLUME 03
118-1 /	IFY SHUTTLE ORBIT	110N111R20V27VT10	AMIC CHAR WITH RE			8-FOOT BY 7-FO	ONAL SPACE DIVISI	JUNE, 1981
0A145C	ER VEHICLE 102	VT11VT12VT13VT14	GARD TO: (1)BASIC			OT SUPERSONIC	ON	
CR-160,812	AERO CHARACTERIST	VT15VT16VT17W131	STABILITY AND CON			WIND TUNNEL (U	M. M. MANN	
	ICS UTILIZING AN		TROL(2)CONTROL SU			NITARY)	-DMS	
	.05-SCALE HI-FIDE		RFACE HINGE MOMEN					
	LITY REMOTE		TS(3)REYNOLDS					
	CONTROL MODEL (39		NUMBER EFFECTS(4)					
	-0) IN THE AMES R		HYSTERESIS AND CO					
	ESEARCH CENTER UN		NTROL SURFACE INT					
	ITARY WIND TUNNEL		ERACTIONS(5)					
	(0A145C)		PROPOSED INBOARD					
			ELEVON INTERACTIO					
			N MATH MODEL					

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LARC -	LOW SUPERSONIC ST	MODEL 44 0 SSV OR	OBTAIN LOW SUPERS	FORCE	0.015 /	LARC /	BERNARD SPENCER,	DMS-DR-2390
UPWT -	ABILITY AND CONTR	BITER WITH REMOTE	ONIC DATA ON CONT		1.5 -	LARC -	JR./LARC	JUNE, 1980
1194 /	OL CHARACTERISTIC	CONTROLLED ELEVO	ROL SURFACE LINEA		2.86	UNITARY PLAN W	GEORGE M. WARE/NA	
LA101	S OF A 0.0015-SCA	NS	RITY AND SENSITIV			IND TUNNEL	SA	
CR-160,481	LE (REMOTELY CONT		ITY TO MACH NUMBE				J. W. BALL	
	ROLLED ELEVON) MO		R FOR FINE CUT SP				G. G. MCDONALD	
	DEL 44-0 SPACE SH		EED BRAKE, BODY F				-DMS	
	UTTLE ORBITER TES		LAP AND RUDDER DE					
	TED IN THE NASA/L		FLECTIONS, INVEST					
	ARC 4 FOOT UPWT (		IGATE INTERACTIVE					
	LEG 1) (LA101)		EFFECTS OF MUTUA					
			L CONTROL SURFACE					
			DEFLECTIONS, AND					
			OBTAIN OTHER CONT					
			ROL SURFACE DATA					
LARC -	RESULTS OF TESTS	OTS - SINGLE STIN	THE OBJECTIVESOF	FORCE	0.01 /	ROCKWELL/	P.J. HAWTHORNE, R	DMS-DR-2391
8TPT -	OF THE 0.10 SCALE	G IN ORBITER	THIS TEST WAS TO		0.6 -	LARC -	.SPANGLER /RI	MARCH, 1982
779 /	SPACE SHUTTLE IN	OTS - ET AND SRB	OBTAIN ORBITER/ET		1.195	8-FOOT TRANSON	DELMA C. FREEMAN	
IA244	TEGRATED VEHICLE	ON SEPERATE STING	ATTACH STRUCTURE			IC PRESSURE TU	/LARC	
CR-167,346	IN THE LANGLEY RE	OTS - ATTACH STRU	LOADS AND TO DET			NNEL	D.W.HERSEY	
	SEARCH CENTER 8-F	CTURE ON TANK ONL	ERMINE THE EFFECT				G. W. KLUG	
	OOT TRANSONIC PRE	Y	OF REYNOLDS NUMB				-DMS	
	SSURE TUNNEL, MOD		ER ON ELEVON HING					
	EL 72-OTS TEST IA		E MOMENTS.					
	244							
NRLAD -	GROUND PROXIMITY	MODEL 45-0 ORB, 1	TO DEFINE ORB. LA	FORCE	0.03 /	ROCKWELL/	R. MENNELL/RI	DMS-DR-2392
LSWT -	TESTS OF THE 0.03	40A/B CONF. (MODI	T.-DIRECT. STABIL		.20-	NRLAD -	J. E. VAUGHN	DEC., 1977
775 /	-SCALE MODEL (45-	FIED)	ITY CHARACTERISTI		.20	LOW SPEED WIND	M. M. MOSER JR.	
OA250	O) SPACE SHUTTLE		CS IN GROUND PROX			TUNNEL	-DMS	
CR-151,389	ORBITER IN THE RO		IMITY: TO INVESTI					
	CKWELL INTERNATIO		GATE DISCREPANCIE					
	NAL NAAL LOW SPEE		S IN LAT.-DIRECT.					
	D WIND TUNNEL		DATA OBTAINED IN					
			OTHER NAAL TESTS					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 3.5HWT - 228-1 / IH51A CR-167,679	RESULTS OF SSV IN TERFERENCE HEATIN G TESTS ON A 0.04 -SCALE THIN-SKIN THERMOCOUPLE MODE L (58-OT) UTILIZI NG A SIMULATED EX TERNAL TANK & ORB ITER FOREBODY IN THE NASA/ARC 3.5- FOOT HYPERSONIC W IND TUNNEL (IH51A)	OT FLAT PLATE	TO OBTAIN AERODYN AMIC INTERFERENCE HEATING EFFECTS ON THE UPPER PORT ION OF THE SPACE SHUTTLE EXTERNAL TANK (ET) IN THE PRESENCE OF THE O RBITER FOREBODY & FORWARD ATTACH H ARDWARE	HEAT-TRANS	0.04 / 5.3	ROCKWELL/ ARC - 3.5-FOOT HYPER SONIC WIND TUN NEL	C. L. BERTHOLD/RI P. L. LEMOINE/RI T. L. MULKEY G. W. KLUG -DMS	DMS-DR-2393 VOLUME 01 FEB., 1984
ARC - 3.5HWT - 228-1 / IH51A CR-167,680	RESULTS OF SSV IN TERFERENCE HEATIN G TESTS ON A 0.04 -SCALE THIN-SKIN THERMOCOUPLE MODE L (58-OT) UTILIZI NG A SIMULATED EX TERNAL TANK & ORB ITER FOREBODY IN THE NASA/ARC 3.5- FOOT HYPERSONIC W IND TUNNEL (IH51A)	OT FLAT PLATE	TO OBTAIN AERODYN AMIC INTERFERENCE HEATING EFFECTS ON THE UPPER PORT ION OF THE SPACE SHUTTLE EXTERNAL TANK (ET) IN THE PRESENCE OF THE O RBITER FOREBODY & FORWARD ATTACH H ARDWARE	HEAT-TRANS	0.04 / 5.3	ROCKWELL/ ARC - 3.5-FOOT HYPER SONIC WIND TUN NEL	C. L. BERTHOLD/RI P. L. LEMOINE/RI T. L. MULKEY G. W. KLUG -DMS	DMS-DR-2393 VOLUME 02 FEB., 1984

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF SSV IN	OT FLAT PLATE	TO OBTAIN AERODYN	HEAT-TRANS	0.04 /	ROCKWELL/	C. L. BERTHOLD/RI	DMS-DR-2393
3.5HWT -	TERFERENCE HEATIN		AMIC INTERFERENCE		5.3	ARC -	P. L. LEMOINE/RI	VOLUME 03
228-1 /	G TESTS ON A 0.04		HEATING EFFECTS			3.5-FOOT HYPER	T. L. MULKEY	FEB., 1984
IH51A	-SCALE THIN-SKIN		ON THE UPPER PORT			SONIC WIND TUN	G. W. KLUG	
CR-167,681	THERMOCOUPLE MODE		ION OF THE SPACE			NEL	-DMS	
	L (58-OT) UTILIZI		SHUTTLE EXTERNAL					
	NG A SIMULATED EX		TANK (ET) IN THE					
	TERNAL TANK & ORB		PRESENCE OF THE O					
	ITER FOREBODY IN		RBITER FOREBODY &					
	THE NASA/ARC 3.5-		FORWARD ATTACH H					
	FOOT HYPERSONIC W		ARDWARE					
	IND TUNNEL (IH51A							
	)							
ARC -	RESULTS OF SSV IN	OT FLAT PLATE	TO OBTAIN AERODYN	HEAT-TRANS	0.04 /	ROCKWELL/	C. L. BERTHOLD/RI	DMS-DR-2393
3.5HWT -	TERFERENCE HEATIN		AMIC INTERFERENCE		5.3	ARC -	P. L. LEMOINE/RI	VOLUME 04
228-1 /	G TESTS ON A 0.04		HEATING EFFECTS			3.5-FOOT HYPER	T. L. MULKEY	FEB., 1984
IH51A	-SCALE THIN-SKIN		ON THE UPPER PORT			SONIC WIND TUN	G. W. KLUG	
CR-167,682	THERMOCOUPLE MODE		ION OF THE SPACE			NEL	-DMS	
	L (58-OT) UTILIZI		SHUTTLE EXTERNAL					
	NG A SIMULATED EX		TANK (ET) IN THE					
	TERNAL TANK & ORB		PRESENCE OF THE O					
	ITER FOREBODY IN		RBITER FOREBODY &					
	THE NASA/ARC 3.5-		FORWARD ATTACH H					
	FOOT HYPERSONIC W		ARDWARE					
	IND TUNNEL (IH51A							
	)							
LARC -	EFFECT OF SILTS P	MODEL 44-0 (SILTS	TO DETERMINE EFFE	FORCE	0.015 /	LARC /	G. WARE, B. SPENC	DMS-DR-2395
8TPT -	OD ON THE TRANSON	POD)	CT OF AERO. CHARA		0.6 -	LARC -	ER, JR./RI	JAN., 1978
786 /	IC AERODYNAMIC CH		CTERISTICS OF ORB		1.20	8-FOOT TRANSON	G. G. MCDONALD	
LA111	ARACTERISTICS OF		ITER RESULTING FR			IC PRESSURE TU	-DMS	
CR-151,394	A 0.015-SCALE SHU		OM ADDITION OF SI			NNEL		
	TTLE ORBITER MODE		LTS POD TO VERTIC					
	L (44-0) TESTED I		AL TAIL					
	N THE NASA/LARC 8							
	-FOOT TPT							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - UPWT - 1212 / LA110 CR-151,393	EFFECT OF SILTS P OD ON THE LOW SUP ERSONIC AERODYNAM IC CHARACTERISTIC S OF A 0.015-SCAL E SHUTTLE ORBITER MODEL (44-0) TES TED IN THE NASA/L ARC 4-FOOT UPWT (LEG 1)	MODEL 44-0 (SILTS POD)	TO DETERMINE EFFE CT OF AERO. CHARA CTERISTICS OF ORB ITER RESULTING FR OM ADDITION OF SI LTS POD TO VERTIC AL TAIL	FORCE	0.015 / 1.5 - 2.5	LARC / LARC - UNITARY PLAN W IND TUNNEL	G. WARE, B. SPENC ER, JR./LARC G. G. MCDONALD -DMS	DMS-DR-2396 DEC., 1977
LARC - 8TPT - 780 / LA113 CR-167,347	RESULTS OF WIND T UNNEL TESTS ON A 0.010 SCALE MODEL (72-OTS) ROCKWEL L SPACE SHUTTLE V EHICLE IN THE LAR C 8-FOOT TRANSONI C PRESSURE TUNNEL (LA113)	O -140A/B/C/R T -MODIFIED VEHIC LE 5 S -MODIFIED VEHIC LE 5	THE PURPOSE OF TH IS TEST WAS TO VE RIFY RESULTS OF E ARLIER TESTS (IA2 44) OF THE 72-OTS MODEL IN THE SAM E TUNNEL.	FORCE	0.01 / .9 - .9	LARC / LARC - 8-FOOT TRANSON IC PRESSURE TU NNEL	DELMA C. FREEMAN, W.I. SCALLION /L ARC J. W. BALL G. W. KLUG -DMS	DMS-DR-2397 APRIL, 1982
AEDC - PWT16T - 470 / IA105A CR-160,850	RESULTS OF TESTS USING A 0.03 SCAL E MODEL (47-OTS) OF THE SPACE SHUT TLE INTEGRATED VE HICLE IN THE AEDC 16 FOOT TRANSONI C PROPULSION WIND TUNNEL (IA105A)	B62C9E64W131M16N2 8N112R5V8FD3F9 T39 S27	TO OBTAIN AERODYN AMIC LOADS ON ALL VEHICLE ELEMENTS BY PRESSURE INTE GRATION AND MEASU RE LOADS DIRECTLY ON WING VERTICAL TAIL AND ELEVON HINGE MOMENTS.	FORCE PRESSURE	0.03 / 0.6 - 1.55	ROCKWELL/ AEDC - TRANSONIC PROP ULSION WIND TU NNEL (PWT-16T)	R.H.SPANGLER/RI L.P.LEBLANC/RI S. R. HOULIHAN G. W. KLUG -DMS	DMS-DR-2398 VOLUME 01 NOV., 1981
AEDC - PWT16T - 470 / IA105A CR-160,851	RESULTS OF TESTS USING A 0.03 SCAL E MODEL (47-OTS) OF THE SPACE SHUT TLE INTEGRATED VE HICLE IN THE AEDC 16 FOOT TRANSONI C PROPULSION WIND TUNNEL (IA105A)	B62C9E64W131M16N2 8N112R5V8FD3F9 T39 S27	TO OBTAIN AERODYN AMIC LOADS ON ALL VEHICLE ELEMENTS BY PRESSURE INTE GRATION AND MEASU RE LOADS DIRECTLY ON WING VERTICAL TAIL AND ELEVON HINGE MOMENTS.	FORCE PRESSURE	0.03 / 0.6 - 1.55	ROCKWELL/ AEDC - TRANSONIC PROP ULSION WIND TU NNEL (PWT-16T)	R.H.SPANGLER/RI L.P.LEBLANC/RI S. R. HOULIHAN G. W. KLUG -DMS	DMS-DR-2398 VOLUME 02 NOV., 1981

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF TESTS	B62C9E64W131M16N2	TO OBTAIN AERODYN	FORCE	0.03 /	ROCKWELL/	R.H.SPANGLER/RI	DMS-DR-2398
PWT16T -	USING A 0.03 SCAL	8N112R5V8FD3F9	AMIC LOADS ON ALL	PRESSURE	0.6 -	AEDC -	L.P.LEBLANC/RI	VOLUME 03
470 /	E MODEL (47-OTS)	T39	VEHICLE ELEMENTS		1.55	TRANSONIC PROP	S. R. HOULIHAN	NOV., 1981
IA105A	OF THE SPACE SHUT	S27	BY PRESSURE INTE			ULSION WIND TU	G. W. KLUG	
CR-160,852	TLE INTEGRATED VE		GRATION AND MEASU			NNEL (PWT-16T)	-DMS	
	HICLE IN THE AEDC		RE LOADS DIRECTLY					
	16 FOOT TRANSONI		ON WING VERTICAL					
	C PROPULSION WIND		TAIL AND ELEVON					
	TUNNEL (IA105A)		HINGE MOMENTS.					
LARC -	EFFECT OF SILTS P	MODEL 44-0 (SILTS	TO DETERMINE EFFE	FORCE	0.015 /	LARC /	G. WARE, B. SPENC	DMS-DR-2399
UPWT -	OD ON THE HIGH SU	POD)	CT OF AERO. CHARA		3.0 -	LARC -	ER,JR./LARC	NOV., 1977
1217 /	PERSONIC AERODYNA		CTERISTICS OF ORB		4.63	UNITARY PLAN W	G. G. MCDONALD	
LA114	MIC CHARACTERISTI		ITER RESULTING FR			IND TUNNEL	-DMS	
CR-151,388	CS OF A 0.015-SCA		OM ADDITION OF SI					
	LE SHUTTLE ORBITE		LTS POD TO VERTIC					
	R MODEL (44-0) TE		AL TAIL					
	STED IN THE NASA/							
	LARC 4-FOOT UPWT							
	(LEG 2)							
LERC -	RESULTS OF SSV OR	ORBITER VEHICLE 1	OBTAIN CALIBRATIO	FORCE	0.10 /	ROCKWELL/	C.LOVELL/LERC	DMS-DR-2400
10SWT -	BITER AIR DATA SY	02 FOREBODY	NS OF 0.1 AND 0.2		0.4 -	LERC -	R.R.BURROWS/RI	OCT., 1980
042 /	STEM CALIBRATION		-SCALE ROSEMOUNT		2.7	10 BY 10-FOOT	W. B. MEINDERS	
0A234	TEST USING THE 0.		AIR DATA SYSTEM P			SUPERSONIC WIN	-DMS	
CR-160,518	10-SCALE ORBITER		ROBES;MEASURE FOR			D TUNNEL		
	FOREBODY MODEL 99		EBODY FLUSH SURFA					
	-0 IN THE NASA/LE		CE TAP PRESSURE D					
	WIS 10 X 10-FOOT		ISTRIBUTIONS AND					
	SUPERSONIC WIND T		RCS PORT PRESSURE					
	UNNEL (0A234)		S					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	AERONOISE TEST RE	11-OTS (ORB, ET,	TO MEASURE FLUCTU	PRESSURE	0.040 /	ROCKWELL/	B. J. HERRERA, C.	DMS-DR-2401
11,97,87-	SULTS USING A 0.0	2 SRB'S)	ATING PRESSURE (A		06 -	ARC -	L. STEVENS/RI	JAN., 1978
705-1 /	40-SCALE SPACE SH		ERONOISE) ENVIRON		3.5	11-FOOT, 9-FOO	D.W.HERSEY	
IS1A/B/C	UTTLE VEHICLE CON		MENT ON LAUNCH VE			T, 8-FOOT, UNI	M. M. MOSER JR.	
OS3	FIGURATION 2A MOD		HICLE DURING TRAN			TARY WIND TUNN	-DMS	
CR-151,395	EL (11-OTS) IN TH		SONIC/SUPERSONIC			EL		
	E AMES RESEARCH C		ASCENT AND ORBITE					
	ENTER UNITARY PLA		R DURING SUPERSON					
	N WIND TUNNELS		IC ENTRY					
NRLAD -	SYSTEM CHECKOUT O	B75C16F64F16FD3FR	CHECKOUT OF ALL M	FORCE	0.24 -	ROCKWELL/	R. C. MENNELL/ROC	DMS-DR-2402
LSWT -	F THE 0.05-SCALE	22HG1M52N108N109N	ODEL CONTROL SURF		0.24	NRLAD -	KWELL INTERNATION	NOV., 1978
766 /	SPACE SHUTTLE VEH	110N111R20V27VT10	ACE AND PRESSURE			LOW SPEED WIND	AL	
OA223	ICLE ORBITER 102	VT11VT12VT13VT14	SYSTEMS AND			TUNNEL	D.W.HERSEY	
CR-151,763	MODEL (39-O) IN T	VT15VT16VT17W131	ESTABLISH THE OPE				M. M. MANN	
	HE NAAL LOW SPEED		RATIONAL STATUS O				-DMS	
	WIND TUNNEL(OA22		F THE COMPLETE MO					
	3)		DEL					
AEDC -	RESULTS OF TESTS	B75C16E64F16FR22H	TO OBTAIN FORCE A	FORCE	0.3 -	ROCKWELL/	J. J. DAILEDA AND	DMS-DR-2403
PWT16T -	USING A 0.02-SCAL	G1M52N108N109N110	ND MOMENT DATA ON		1.55	AEDC -	J. MARROQUIN/ROC	VOLUME 01
470 /	E MODEL (89-OTS)	N111R20U1V27V29VT	ALL VEHICLE ELEM			TRANSONIC PROP	KWELL INTERNATION	JAN., 1981
IA156A	OF THE SPACE SHUT	10VT11VT14VT17W13	ENTS (ORBITER, EX			ULSION WIND TU	AL	
CR-160,515	TLE INTEGRATED VE	1T39S27	TERNAL TANK, AND			NNEL (PWT-16T)	M. M. MANN	
	HICLE IN THE AEDC		EACH SOLID ROCKET				-DMS	
	16-FOOT TRANSONI		BOOSTER), WING A					
	C PROPULSION WIND		ND VERTICAL TAIL					
	TUNNEL (IA156A)		LOAD INDICATORS,					
			ELEVON AND RUDDER					
			HINGE MOMENTS, A					
			ND BASE-BODYFLAP					
			PRESSURE DATA					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF TESTS	B75C16E64F16FR22H	TO OBTAIN FORCE A	FORCE	0.3 -	ROCKWELL/	J. J. DAILEDA AND	DMS-DR-2403
PWT16T -	USING A 0.02-SCAL	G1M52N108N109N110	ND MOMENT DATA ON		1.55	AEDC -	J. MARROQUIN/ROC	VOLUME 02
470 /	E MODEL (89-OTS)	N111R20U1V27V29VT	ALL VEHICLE ELEM			TRANSONIC PROP	KWELL INTERNATION	JAN., 1981
IA156A	OF THE SPACE SHUT	10VT11VT14VT17W13	ENTS (ORBITER, EX			ULSION WIND TU	AL	
CR-160,516	TLE INTEGRATED VE	1T39S27	TERNAL TANK, AND			NNEL (PWT-16T)	M. M. MANN	
	HICLE IN THE AEDC		EACH SOLID ROCKET				-DMS	
	16-FOOT TRANSONI		BOOSTER), WING A					
	C PROPULSION WIND		ND VERTICAL TAIL					
	TUNNEL (IA156A)		LOAD INDICATORS,					
			ELEVON AND RUDDER					
			HINGE MOMENTS, A					
			ND BASE-BODYFLAP					
			PRESSURE DATA					
AEDC -	RESULTS OF TESTS	B75C16E64F16FR22H	TO OBTAIN FORCE A	FORCE	0.3 -	ROCKWELL/	J. J. DAILEDA AND	DMS-DR-2403
PWT16T -	USING A 0.02-SCAL	G1M52N108N109N110	ND MOMENT DATA ON		1.55	AEDC -	J. MARROQUIN/ROC	VOLUME 03
470 /	E MODEL (89-OTS)	N111R20U1V27V29VT	ALL VEHICLE ELEM			TRANSONIC PROP	KWELL INTERNATION	JAN., 1981
IA156A	OF THE SPACE SHUT	10VT11VT14VT17W13	ENTS (ORBITER, EX			ULSION WIND TU	AL	
CR-160,517	TLE INTEGRATED VE	1T39S27	TERNAL TANK, AND			NNEL (PWT-16T)	M. M. MANN	
	HICLE IN THE AEDC		EACH SOLID ROCKET				-DMS	
	16-FOOT TRANSONI		BOOSTER), WING A					
	C PROPULSION WIND		ND VERTICAL TAIL					
	TUNNEL (IA156A)		LOAD INDICATORS,					
			ELEVON AND RUDDER					
			HINGE MOMENTS, A					
			ND BASE-BODYFLAP					
			PRESSURE DATA					
ARC -	RESULTS OF TESTS	88-OTS-.02 SCALE	TO DETERMINE THE	FORCE	.020 /	ROCKWELL/	T.J. DZIUBALA,J.	DMS-DR-2404
11TWT -	USING A 0.020-SCA	OF THE INTEGRATED	EFFECTS OF THE MA	PRESSURE	.6 -	ARC -	STONE/RI	VOLUME 01
275-1 /	LE MODEL (88-OTS)	SPACE SHUTTLE VE	IN PROPULSION SYS		1.40	11-FOOT TRANSO	S. R. HOULIHAN	OCT., 1980
IA119	OF THE SPACE SHU	HICLE	TEM (MPS) AND SOL			NIC WIND TUNNE	B. J. BURST	
CR-160,510	TTLE INTEGRATED V		ID ROCKET BOOSTER			L (UNITARY)	-DMS	
	EHICLE JET PLUME		(SRB) PLUMES ON					
	IN THE NASA/ARC U		VEHICLE PRESSURE					
	PWT 11 X 11-FOOT		DISTRIBUTIONS, WI					
	LEC (TEST IA119)		NG BENDING AND TO					
			RSION LOADS AND E					
			LEVON HINGE MOMEN					
			TS.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	88-OTS-.02 SCALE	TO DETERMINE THE	FORCE	.020 /	ROCKWELL/	T.J. DZIUBALA,J.	DMS-DR-2404
11TWT -	USING A 0.020-SCA	OF THE INTEGRATED	EFFECTS OF THE MA	PRESSURE	.6 -	ARC -	STONE/RI	VOLUME 02
275-1 /	LE MODEL (88-OTS)	SPACE SHUTTLE VE	IN PROPULSION SYS		1.40	11-FOOT TRANSO	S. R. HOULIHAN	OCT., 1980
IA119	OF THE SPACE SHU	HICLE	TEM (MPS) AND SOL			NIC WIND TUNNE	B. J. BURST	
CR-160,511	TTLE INTEGRATED V		ID ROCKET BOOSTER			L (UNITARY)	-DMS	
	EHICLE JET PLUME		(SRB) PLUMES ON					
	IN THE NASA/ARC U		VEHICLE PRESSURE					
	PWT 11 X 11-FOOT		DISTRIBUTIONS, WI					
	LEC (TEST IA119)		NG BENDING AND TO					
			RSION LOADS AND E					
			LEVON HINGE MOMEN					
			TS.					
ARC -	RESULTS OF TESTS	88-OTS-.02 SCALE	TO DETERMINE THE	FORCE	.020 /	ROCKWELL/	T.J. DZIUBALA,J.	DMS-DR-2404
11TWT -	USING A 0.020-SCA	OF THE INTEGRATED	EFFECTS OF THE MA	PRESSURE	.6 -	ARC -	STONE/RI	VOLUME 03
275-1 /	LE MODEL (88-OTS)	SPACE SHUTTLE VE	IN PROPULSION SYS		1.40	11-FOOT TRANSO	S. R. HOULIHAN	OCT., 1980
IA119	OF THE SPACE SHU	HICLE	TEM (MPS) AND SOL			NIC WIND TUNNE	B. J. BURST	
CR-160,512	TTLE INTEGRATED V		ID ROCKET BOOSTER			L (UNITARY)	-DMS	
	EHICLE JET PLUME		(SRB) PLUMES ON					
	IN THE NASA/ARC U		VEHICLE PRESSURE					
	PWT 11 X 11-FOOT		DISTRIBUTIONS, WI					
	LEC (TEST IA119)		NG BENDING AND TO					
			RSION LOADS AND E					
			LEVON HINGE MOMEN					
			TS.					
ARC -	RESULTS OF TESTS	88-OTS-.02 SCALE	TO DETERMINE THE	FORCE	.020 /	ROCKWELL/	T.J. DZIUBALA,J.	DMS-DR-2404
11TWT -	USING A 0.020-SCA	OF THE INTEGRATED	EFFECTS OF THE MA	PRESSURE	.6 -	ARC -	STONE/RI	VOLUME 04
275-1 /	LE MODEL (88-OTS)	SPACE SHUTTLE VE	IN PROPULSION SYS		1.40	11-FOOT TRANSO	S. R. HOULIHAN	OCT., 1980
IA119	OF THE SPACE SHU	HICLE	TEM (MPS) AND SOL			NIC WIND TUNNE	B. J. BURST	
CR-160,513	TTLE INTEGRATED V		ID ROCKET BOOSTER			L (UNITARY)	-DMS	
	EHICLE JET PLUME		(SRB) PLUMES ON					
	IN THE NASA/ARC U		VEHICLE PRESSURE					
	PWT 11 X 11-FOOT		DISTRIBUTIONS, WI					
	LEC (TEST IA119)		NG BENDING AND TO					
			RSION LOADS AND E					
			LEVON HINGE MOMEN					
			TS.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 12PT - 218-1 / OA101 CR-151,756	RESULTS OF A LOW SPEED APPROACH AND LANDING EXPERIMENTAL INVESTIGATION OF A 0.050-SCALE SPACE SHUTTLE ORBITER MODEL (39-0) IN THE NASA/AMES RESEARCH CENTER'S 12-FOOT PRESSURE WIND TUNNEL (OA101)	OV102	TO OBTAIN BASIC STABILITY AND CONTROL DATA FOR OV102 ORBITER, DETERMINE INDIVIDUAL PANEL HINGE MOMENTS, OBTAIN GROUND EFFECTS ON PITCH AND LATERAL DIRECTIONAL STABILITY AND CONTROL WITH LANDING GEAR DEPLOYED, AND CALIBRATE THE OV102 AIR DATA SYSTEM (FLUSH STATIC TAPS)	FORCE PRESSURE	0.050/ 0.25 - 0.40	ROCKWELL/ ARC - 12-FOOT PRESSURE TUNNEL	W.M. ZEMAN/RI, R.H. MULFINGER/RI, R.R. BURROWS/RI J.J. BROWNSON/NASA-ARC, C.Q. ALLEN/NASA-ARC D.W.HERSEY G. W. KLUG-DMS	DMS-DR-2405 VOLUME 01 SEPT., 1978
ARC - 12PT - 218-1 / OA101 CR-151,757	RESULTS OF A LOW SPEED APPROACH AND LANDING EXPERIMENTAL INVESTIGATION OF A 0.050-SCALE SPACE SHUTTLE ORBITER MODEL (39-0) IN THE NASA/AMES RESEARCH CENTER'S 12-FOOT PRESSURE WIND TUNNEL (OA101)	OV102	TO OBTAIN BASIC STABILITY AND CONTROL DATA FOR OV102 ORBITER, DETERMINE INDIVIDUAL PANEL HINGE MOMENTS, OBTAIN GROUND EFFECTS ON PITCH AND LATERAL DIRECTIONAL STABILITY AND CONTROL WITH LANDING GEAR DEPLOYED, AND CALIBRATE THE OV102 AIR DATA SYSTEM (FLUSH STATIC TAPS)	FORCE PRESSURE	0.050/ 0.25 - 0.40	ROCKWELL/ ARC - 12-FOOT PRESSURE TUNNEL	W.M. ZEMAN/RI, R.H. MULFINGER/RI, R.R. BURROWS/RI J.J. BROWNSON/NASA-ARC, C.Q. ALLEN/NASA-ARC D.W.HERSEY G. W. KLUG-DMS	DMS-DR-2405 VOLUME 02 SEPT., 1978

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF A LOW	OV102	TO OBTAIN BASIC S	FORCE	0.050/	ROCKWELL/	W.M. ZEMAN/RI, R.	DMS-DR-2405
12PT -	SPEED APPROACH AN		TABILITY AND CONT	PRESSURE	0.25 -	ARC -	H. MULFINGER/RI,	VOLUME 03
218-1 /	D LANDING EXPERIM		ROL DATA FOR OV10		0.40	12-FOOT PRESSU	R.R. BURROWS/RI	SEPT., 1978
OA101	ENTAL INVESTIGA-		2 ORBITER, DETERM			RE TUNNEL	J.J. BROWNSON/NAS	
CR-151,758	TION OF A 0.050-S		INE INDIVIDUAL PA				A-ARC, C.Q. ALLEN	
	CALE SPACE SHUTTL		NEL HINGE MOMENTS				/NASA-ARC	
	E ORBITER MODEL (		, OBTAIN GROUND E				D.W.HERSEY	
	39-0) IN THE NASA		FFECTS ON PITCH A				G. W. KLUG	
	/AMES RESEARCH CE		ND LATERAL DIRECT				-DMS	
	NTER'S 12-FOOT PR		IONAL STABILITY A					
	ESSURE WIND TUNNE		ND CONTROL WITH L					
	L (OA101)		ANDING GEAR DEPLO					
			YED, AND CALIBRAT					
			E THE OV102 AIR D					
			ATA SYSTEM (FLUSH					
			STATIC TAPS)					
ARC -	RESULTS OF A LOW	OV102	TO OBTAIN BASIC S	FORCE	0.050/	ROCKWELL/	W.M. ZEMAN/RI, R.	DMS-DR-2405
12PT -	SPEED APPROACH AN		TABILITY AND CONT	PRESSURE	0.25 -	ARC -	H. MULFINGER/RI,	VOLUME 04
218-1 /	D LANDING EXPERIM		ROL DATA FOR OV10		0.40	12-FOOT PRESSU	R.R. BURROWS/RI	SEPT., 1978
OA101	ENTAL INVESTIGA-		2 ORBITER, DETERM			RE TUNNEL	J.J. BROWNSON/NAS	
CR-151,759	TION OF A 0.050-S		INE INDIVIDUAL PA				A-ARC, C.Q. ALLEN	
	CALE SPACE SHUTTL		NEL HINGE MOMENTS				/NASA-ARC	
	E ORBITER MODEL (		, OBTAIN GROUND E				D.W.HERSEY	
	39-0) IN THE NASA		FFECTS ON PITCH A				G. W. KLUG	
	/AMES RESEARCH CE		ND LATERAL DIRECT				-DMS	
	NTER'S 12-FOOT PR		IONAL STABILITY A					
	ESSURE WIND TUNNE		ND CONTROL WITH L					
	L (OA101)		ANDING GEAR DEPLO					
			YED, AND CALIBRAT					
			E THE OV102 AIR D					
			ATA SYSTEM (FLUSH					
			STATIC TAPS)					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF A LOW	OV102	TO OBTAIN BASIC S	FORCE	0.050/	ROCKWELL/	W.M. ZEMAN/RI, R.	DMS-DR-2405
12PT -	SPEED APPROACH AN		TABILITY AND CONT	PRESSURE	0.25 -	ARC -	H. MULFINGER/RI,	VOLUME 05
218-1 /	D LANDING EXPERIM		ROL DATA FOR OV10		0.40	12-FOOT PRESSU	R.R. BURROWS/RI	SEPT., 1978
0A101	ENTAL INVESTIGA-		2 ORBITER, DETERM			RE TUNNEL	J.J. BROWNSON/NAS	
CR-151,760	TION OF A 0.050-S		INE INDIVIDUAL PA				A-ARC, C.Q. ALLEN	
	CALE SPACE SHUTTL		NEL HINGE MOMENTS				/NASA-ARC	
	E ORBITER MODEL (		, OBTAIN GROUND E				D.W.HERSEY	
	39-0) IN THE NASA		FFECTS ON PITCH A				G. W. KLUG	
	/AMES RESEARCH CE		ND LATERAL DIRECT				-DMS	
	NTER'S 12-FOOT PR		IONAL STABILITY A					
	ESSURE WIND TUNNE		ND CONTROL WITH L					
	L (0A101)		ANDING GEAR DEPLO					
			YED, AND CALIBRAT					
			E THE OV102 AIR D					
			ATA SYSTEM (FLUSH					
			STATIC TAPS)					
ARC -	RESULTS OF A LOW	OV102	TO OBTAIN BASIC S	FORCE	0.050/	ROCKWELL/	W.M. ZEMAN/RI, R.	DMS-DR-2405
12PT -	SPEED APPROACH AN		TABILITY AND CONT	PRESSURE	0.25 -	ARC -	H. MULFINGER/RI,	VOLUME 06
218-1 /	D LANDING EXPERIM		ROL DATA FOR OV10		0.40	12-FOOT PRESSU	R.R. BURROWS/RI	OCT., 1978
0A101	ENTAL INVESTIGA-		2 ORBITER, DETERM			RE TUNNEL	J.J. BROWNSON/NAS	
CR-151,761	TION OF A 0.050-S		INE INDIVIDUAL PA				A-ARC, C.Q. ALLEN	
	CALE SPACE SHUTTL		NEL HINGE MOMENTS				/NASA-ARC	
	E ORBITER MODEL (		, OBTAIN GROUND E				D.W.HERSEY	
	39-0) IN THE NASA		FFECTS ON PITCH A				G. W. KLUG	
	/AMES RESEARCH CE		ND LATERAL DIRECT				-DMS	
	NTER'S 12-FOOT PR		IONAL STABILITY A					
	ESSURE WIND TUNNE		ND CONTROL WITH L					
	L (0A101)		ANDING GEAR DEPLO					
			YED, AND CALIBRAT					
			E THE OV102 AIR D					
			ATA SYSTEM (FLUSH					
			STATIC TAPS)					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC - 14TWT - 649 / IA181 CR-167,348	RESULTS OF AN EXPERIMENTAL INVESTIGATION IN THE NASA/MSFC 14-INCH TRISONIC WIND TUNNEL ON A .004-SCALE MODEL (74-OTS) SSLV TO DETERMINE INFLUENCE OF ORBITER AND SRB'S ON TEH EXTERNAL TANK NOSE PRESSURE DISTRIBUTION (IA181)	B62,C12,E62,F10,M16,N28,R5,V8,W127AT16,AT17,AT18,FL5,FL6,FL9,FR6,PT13,PT14,PT20,T20PS7,S25	TO OBTAIN PRESSURE DATA IN THE NOSE REGION OF THE EXTERNAL TANK	FORCE	.004 / 0.6- 1.25	ROCKWELL/ MSFC - 14-INCH TRISONIC WIND TUNNEL	W.P. GARTON/RI J. E. VAUGHN G. W. KLUG -DMS	DMS-DR-2406 JULY, 1982
ARC - 3.5HWT - 233-1 / IH73 CR-167,374	RESULTS OF M=5.3 HEAT TRANSFER TESTS ON THE SECOND STAGE SPACE SHUTTLE CONFIGURATION AT RTLS ABORT MISSION PROFILE CONDITIONS USING THE 0.006 SCALE MODEL 50-0 & 41-T IN THE NASA/ARC 3.5-FOOT HWT (IH73)	B22C7F5M4V7W111T8	TO OBTAIN HYPERSONIC HEATING DATA TO VERIFY ORBITER/ET HEATING PREDICTIONS FOR THE ASCENT RTLS ABORT MISSION PROFILE	HEAT-TRANS	0.006 / 5.3	ROCKWELL/ ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	P.L. LEMOINE/RI C.L. BERTHOLD/RI D.W.HERSEY G. W. KLUG -DMS	DMS-DR-2407 SEPT., 1982

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	B75C16E64F16FR22H	TO OBTAIN FORCE A	PRESSURE	1.55 -	ROCKWELL/	J. J. DAILEDA AND	DMS-DR-2408
97SWT -	USING A 0.02-SCAL	G1M52N108N109N110	ND MOMENT DATA ON	FORCE	2.5	ARC -	J. MARROQUIN/ROC	VOLUME 01
272 /	E MODEL (89-OTS)	N111R20U1V27V29VT	ALL VEHICLE ELEM			9-FOOT BY 7-FO	KWELL INTERNATION	JULY, 1980
IA156B	OF THE SPACE SHUT	10VT11VT14VT17W13	ENTS (ORBITER, EX			OT SUPERSONIC	AL	
CR-160,498	TLE INTEGRATED VE	1T39S27	TERNAL TANK, AND			WIND TUNNEL (U	M. M. MANN	
	HICLE IN THE NASA		EACH SOLID ROCKET			NITARY)	-DMS	
	/AMES RESEARCH CE		BOOSTER), WING A					
	NTER 9X7 FOOT SUP		ND VERTICAL TAIL					
	ERSONIC WIND TUNN		LOAD INDICATORS,					
	EL (IA156B)		ELEVON AND RUDDER					
			HINGE MOMENTS, A					
			ND BASE-BODYFLAP					
			PRESSURE DATA					
ARC -	RESULTS OF TESTS	B75C16E64F16FR22H	TO OBTAIN FORCE A	PRESSURE	1.55 -	ROCKWELL/	J. J. DAILEDA AND	DMS-DR-2408
97SWT -	USING A 0.02-SCAL	G1M52N108N109N110	ND MOMENT DATA ON	FORCE	2.5	ARC -	J. MARROQUIN/ROC	VOLUME 02
272 /	E MODEL (89-OTS)	N111R20U1V27V29VT	ALL VEHICLE ELEM			9-FOOT BY 7-FO	KWELL INTERNATION	JULY, 1980
IA156B	OF THE SPACE SHUT	10VT11VT14VT17W13	ENTS (ORBITER, EX			OT SUPERSONIC	AL	
CR-160,499	TLE INTEGRATED VE	1T39S27	TERNAL TANK, AND			WIND TUNNEL (U	M. M. MANN	
	HICLE IN THE NASA		EACH SOLID ROCKET			NITARY)	-DMS	
	/AMES RESEARCH CE		BOOSTER), WING A					
	NTER 9X7 FOOT SUP		ND VERTICAL TAIL					
	ERSONIC WIND TUNN		LOAD INDICATORS,					
	EL (IA156B)		ELEVON AND RUDDER					
			HINGE MOMENTS, A					
			ND BASE-BODYFLAP					
			PRESSURE DATA					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	B75C16E64F16FR22H	TO OBTAIN FORCE A	PRESSURE	1.55 -	ROCKWELL/	J. J. DAILEDA AND	DMS-DR-2408
97SWT -	USING A 0.02-SCAL	G1M52N108N109N110	ND MOMENT DATA ON	FORCE	2.5	ARC -	J. MARROQUIN/ROC	VOLUME 03
272 /	E MODEL (89-OTS)	N111R20U1V27V29VT	ALL VEHICLE ELEM			9-FOOT BY 7-FO	KWELL INTERNATION	JULY, 1980
IA156B	OF THE SPACE SHUT	10VT11VT14VT17W13	ENTS (ORBITER, EX			OT SUPERSONIC	AL	
CR-160,500	TLE INTEGRATED VE	1T39S27	TERNAL TANK, AND			WIND TUNNEL (U	M. M. MANN	
	HICLE IN THE NASA		EACH SOLID ROCKET			NITARY)	-DMS	
	/AMES RESEARCH CE		BOOSTER), WING A					
	NTER 9X7 FOOT SUP		ND VERTICAL TAIL					
	ERSONIC WIND TUNN		LOAD INDICATORS,					
	EL (IA156B)		ELEVON AND RUDDER					
			HINGE MOMENTS, A					
			ND BASE-BODYFLAP					
			PRESSURE DATA					
LARC -	ADDITIONAL TRANSO	ORBITER	VERIFY STABILITY	FORCE	0.015 /	LARC /	B. SPENCER,JR.,G.	DMS-DR-2409
8TPT -	NIC STABILITY AND		AND CONTROL INCRE		.6 -	LARC -	M. WARE,LARC	SEPT., 1981
803 /	CONTROL CHARACTE		MENTS DERIVED FRO		1.2	8-FOOT TRANSON	J. UNDERWOOD, JSC	
LA115	RISTICS OF A 0.01		M PREVIOUS TESTS			IC PRESSURE TU	B. J. BURST	
CR-160,842	5 SCALE(REMOTELY		SUBJECTED TO UNKN			NNEL	-DMS	
	CONTROLLED ELEVON		OWN BLOCKAGE AND					
	) MODEL 44-0 SPAC		SHOCK REFLECTION					
	E SHUTTLE ORBITER		EFFECTS AND OBTAI					
	TESTED IN THE NA		N ADDITIONAL STAB					
	SA/LARC 8-FOOT TP		ILITY AND CONTROL					
	T (LA115)		DATA					
AEDC -	RESULTS OF THE NA	ORBITER WING TIP	DETERMINE AERODYN	HEAT-TRANS	7.9 -	ROCKWELL/	J. W. FOUST/RI	DMS-DR-2410
HWTB -	SA/RI ORBITER WIN	(MODEL 91-0)	AMIC HEATING TO T		8.0	AEDC -	D.W.HERSEY	JUNE, 1979
V41B-R3A /	G TIP HEATING TES		HE ORBITER WING L			HYPERSONIC WIN	J. E. VAUGHN	
0H56	T WITH THE 0.08-S		EADING EDGE			D TUNNEL (B)	-DMS	
CR-151,777	CALE ORBITER WING							
	MODEL (91-0) IN							
	THE AEDC VKF B HY							
	PERSONIC WIND T							
	UNNEL (0H56)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 3.5HWT - 234-1 / IH90 CR-167,386	RESULTS OF HEAT TRANSFER TESTS ON THE SPACE SHUTTLE INTEGRATED VEHICLE, UNDER ASCENT CONDITIONS, USING THE 0.0175-SCALE 60-OTS MODEL IN THE NASA/ARC 3.5-FOOT HWT (IH-90)	60-OTS (B62C12E52F10M16R18V8W116T38S26)	TO OBTAIN HEAT-TRANSFER RATE DISTRIBUTIONS ON THE SPACE SHUTTLE INTEGRATED VEHICLE DURING SIMULATED FIRST-STAGE CONDITIONS FOR INTERMEDIATE FLIGHT ATTITUDES	HEAT-TRANS	0.0175/ 5.2- 5.2	ROCKWELL/ ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	J.W. CUMMINGS, ART OKUNO /RI R.R. WATANABE/RI S. R. HOULIHAN G. W. KLUG -DMS	DMS-DR-2412 VOLUME 01 DEC., 1982
ARC - 3.5HWT - 234-1 / IH90 CR-167,387	RESULTS OF HEAT TRANSFER TESTS ON THE SPACE SHUTTLE INTEGRATED VEHICLE, UNDER ASCENT CONDITIONS, USING THE 0.0175-SCALE 60-OTS MODEL IN THE NASA/ARC 3.5-FOOT HWT (IH-90)	60-OTS (B62C12E52F10M16R18V8W116T38S26)	TO OBTAIN HEAT-TRANSFER RATE DISTRIBUTIONS ON THE SPACE SHUTTLE INTEGRATED VEHICLE DURING SIMULATED FIRST-STAGE CONDITIONS FOR INTERMEDIATE FLIGHT ATTITUDES	HEAT-TRANS	0.0175/ 5.2- 5.2	ROCKWELL/ ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	J.W. CUMMINGS, ART OKUNO /RI R.R. WATANABE/RI S. R. HOULIHAN G. W. KLUG -DMS	DMS-DR-2412 VOLUME 02 DEC., 1982
ARC - 97SWT - 242-1 / IA105B CR-160,858	RESULTS OF TESTS USING A 0.03 SCALE MODEL (47-OTS) OF THE SPACE SHUTTLE INTEGRATED VEHICLE IN THE NASA/ARC 9X7 FOOT SUPERSONIC WIND TUNNEL (IA105B)	B62C9E64W131M16N28R5V8FD3F9T39S27	THE OBJECTIVES WERE TO OBTAIN AERODYNAMIC LOADS ON ALL VEHICLE ELEMENTS (O,T,S) BY PRESSURE INTEGRATION AND TO MEASURE LOADS DIRECTLY BY LOAD INDICATORS ON THE WING, VERTICAL TAIL AND ELEVONS	FORCE	0.03/ 1.55- 2.50	NRLAD / ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	R.H.SPANGLER/RI L.P.LEBLANC/RI S. R. HOULIHAN G. W. KLUG -DMS	DMS-DR-2413 VOLUME 01 FEB., 1982

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	B62C9E64W131M16N2	THE OBJECTIVES WE	FORCE	0.03/	NRLAD /	R.H.SPANGLER/RI	DMS-DR-2413
97SWT -	USING A 0.03 SCAL	8R5V8FD3F9	RE TO OBTAIN AERO		1.55-	ARC -	L.P.LEBLANC/RI	VOLUME 02
242-1 /	E MODEL (47-OTS)	T39S27	DYNAMIC LOADS ON		2.50	9-FOOT BY 7-FO	S. R. HOULIHAN	FEB., 1982
IA105B	OF THE SPACE SHUT		ALL VEHICLE ELEME			OT SUPERSONIC	G. W. KLUG	
CR-160,859	TLE INTEGRATED VE		NTS (O,T,S) BY PR			WIND TUNNEL (U	-DMS	
	HICLE IN THE NASA		ESSURE INTEGRATIO			NITARY)		
	/ARC 9X7 FOOT SUP		N AND TO MEASURE					
	ERSONIC WIND TUNN		LOADS DIRECTLY BY					
	EL (IA105B)		LOAD INDICATORS					
			ON THE WING, VERT					
			ICAL TAIL AND ELE					
			VONS					
AEDC -	CALIBRATION TESTS	B74C16N108PR4PR7P	TO PROVIDE A CALI	FORCE	0.10/	NRLAD /	W.E.WHITE/ARO,INC	DMS-DR-2414
PWT16T -	OF THE SPACE SHU	R8PR14VT18VT19	BRATION OF THE SI		0.2 -	AEDC -	. AEDC DIVISION	VOLUME 01
431 /	TTLE AIR DATA SYS	99-0	DE-MOUNTED AIR DA		1.55	TRANSONIC PROP	T.J.DZIUBALA AND	MAY, 1980
OA232	TEM USING A 0.10-		TA PROBES AND			ULSION WIND TU	R.R.BURROWS/ RI	
CR-160,484	SCALE ORBITER FOR		THE NOSE BOOM-MOU			NNEL (PWT-16T)	D.W.HERSEY	
	EBODY MODEL (99-0		NTED FT PROBE, I.				G. W. KLUG	
	) IN THE AEDC 16T		E. DETERMINE LOCA				-DMS	
	PROPULSION WIND		L ANGLE OF ATTACK					
	TUNNEL (OA232)		, MEASURE PROBE S					
			TATIC PRESSURE ER					
			ROR, AND DETERMIN					
			E EFFECT OF PROBE					
			SCALE					
AEDC -	CALIBRATION TESTS	B74C16N108PR4PR7P	TO PROVIDE A CALI	FORCE	0.10/	NRLAD /	W.E.WHITE/ARO,INC	DMS-DR-2414
PWT16T -	OF THE SPACE SHU	R8PR14VT18VT19	BRATION OF THE SI		0.2 -	AEDC -	. AEDC DIVISION	VOLUME 02
431 /	TTLE AIR DATA SYS	99-0	DE-MOUNTED AIR DA		1.55	TRANSONIC PROP	T.J.DZIUBALA AND	MAY, 1980
OA232	TEM USING A 0.10-		TA PROBES AND			ULSION WIND TU	R.R.BURROWS/ RI	
CR-160,485	SCALE ORBITER FOR		THE NOSE BOOM-MOU			NNEL (PWT-16T)	D.W.HERSEY	
	EBODY MODEL (99-0		NTED FT PROBE, I.				G. W. KLUG	
	) IN THE AEDC 16T		E. DETERMINE LOCA				-DMS	
	PROPULSION WIND		L ANGLE OF ATTACK					
	TUNNEL (OA232)		, MEASURE PROBE S					
			TATIC PRESSURE ER					
			ROR, AND DETERMIN					
			E EFFECT OF PROBE					
			SCALE					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - SWTA - V41B-P5A / OA208/209 CR-151,784	RESULTS OF TESTS USING A 0.02-SCALE MODEL (105-0) OF THE SPACE SHUTTLE VEHICLE ORBITER IN THE ARNOLD ENGINEERING DEVELOPMENT CENTER VON KARMAN FACILITY SUPERSONIC TUNNEL A (OA209) AND HYPERSONIC TUNNEL B (OA208/209)	SSV 102 ORBITER CONFIGURATION MODEL 105-0	OBTAIN FORCE AND MOMENT DATA TO VERIFY THE ORBITER STABILITY AND CONTROL CHARACTERISTICS IN PITCH AND YAW, AND VERIFY CONTROL EFFECTIVENESS AND TRIM LIMITS IN THE MACH NUMBER RANGE FROM 2 TO 8	FORCE	0.02 / 2.0 - 8.0	ROCKWELL/ AEDC - SUPERSONIC WIND TUNNEL (A)	J.J.DAILEDA/ROCKWELL J.L.JORDAN/ARO,INC G. G. MCDONALD -DMS	DMS-DR-2415 VOLUME 01 JAN., 1980
AEDC - SWTA - V41A-P5A / OA208/209 CR-151,785	RESULTS OF TESTS USING A 0.02-SCALE MODEL (105-0) OF THE SPACE SHUTTLE VEHICLE ORBITER IN THE ARNOLD ENGINEERING DEVELOPMENT CENTER VON KARMAN FACILITY SUPERSONIC TUNNEL A (OA209) AND HYPERSONIC TUNNEL B (OA208/209)	SSV 102 ORBITER CONFIGURATION MODEL 105-0	OBTAIN FORCE AND MOMENT DATA TO VERIFY THE ORBITER STABILITY AND CONTROL CHARACTERISTICS IN PITCH AND YAW, AND VERIFY CONTROL EFFECTIVENESS AND TRIM LIMITS IN THE MACH NUMBER RANGE FROM 2 TO 8	FORCE	0.02 / 2.0 - 8.0	ROCKWELL/ AEDC - SUPERSONIC WIND TUNNEL (A)	J.J.DAILEDA/ROCKWELL J.L.JORDAN/ARO,INC G. G. MCDONALD -DMS	DMS-DR-2415 VOLUME 02 JAN., 1980

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC -	RESULTS OF TESTS	LBM	TO OBTAIN 6-COMPO	FORCE	0.004 /	ROCKWELL/	N.S. DOUGHERTY, A	DMS-DR-2416
TWT -	IN THE NASA/MSFC	SSLV	NENT FORCE & MOME		.6 -	MSFC -	.C. MANSFIELD/RI-	JUNE, 1981
668 /	14-INCH TRISONIC	ORBITER	NT DATA OF ELEMEN		4.96	TRISONIC WIND	HUNTSVILLE	
IA603	WIND TUNNEL ON A	SRB	TS LBM,O,SRB FOR			TUNNEL	J. E. VAUGHN	
CR-160,824	.004 SCALE MODEL		INTERFACE STRUCTU				C. R. EDWARDS	
	(74-OTS) THRUST A		RES ANALYSIS OF E				-DMS	
	UGMENTED SPACE SH		T/LBM, O/ET, SRB/					
	UTTLE INTEGRATED		ET & OF TOTAL VEH					
	VEHICLE (IA603)		ICLE FOR ASSESSIN					
			G LBM INFLUENCE O					
			N SSLV FOREBODY C					
			OEFFS; TO OBTAIN					
			WING & ELEVON FOR					
			CE AND MOMENT DAT					
			A FOR WING STRUCT					
			URES ANALYSIS					
ARC -	RESULTS OF AEROTH	93-O FLAT PLATE	TO MEASURE DETAIL	HEAT-TRANS	0.04 ,	ROCKWELL/	J. CLEARY/NASA-AR	DMS-DR-2417
3.5HWT -	ERMODYNAMIC HEAT		ED ELEVON/ELEVON	PRESSURE	0.03 /	ARC -	C, R.B. KINGSLAND	JUNE, 1979
235 /	TRANSFER TESTS ON		GAP + FUSELAGE/EL		7.3	3.5-FOOT HYPER	/RI	
OH58	A 0.03-SCALE MOD		EVON INTERFACE HE			SONIC WIND TUN	D.W.HERSEY	
CR-151,770	EL (93-O) SIMULAT		ATING DISTRIBUTIO			NEL	M. M. MANN	
	ING THE ELEVON/EL		N TO VERIFY DESIG				-DMS	
	EVON GAP AND ELEV		N HEATING RATES.					
	ON/FUSELAGE INTER							
	FACE REGIONS OF T							
	HE SS ORBITER IN							
	THE ARC 3.5HWT.							
ARC -	RESULTS OF TESTS	WEDGE SHAPED MODE	TO OBTAIN THE TEM	HEAT-TRANS	5.0 -	ROCKWELL/	B. J. HERRERA/RI	DMS-DR-2418
3.5HWT -	OF A DEVELOPMENT	L TO HOLD DFI GAS	PERATURE RESPONSE		7.3	ARC -		OCT., 1978
227 /	FLIGHT INSTRUMENT	TEMP. PROBE	CHARACTERISTICS			3.5-FOOT HYPER		
IH100	ATION GAS TEMPERA		OF AN EXISTING DF			SONIC WIND TUN		
CR-151,414	TURE PROBE IN THE		I GAS TEMPERATURE			NEL		
	AMES RESEARCH CE		PROBE					
	NTER 3.5 FT. HYPE							
	RSONIC WIND TUNNE							
	L (IH100)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	RESULTS OF AN INV	SSV OV102 ORBITER	DETERMINE AERODYN	FORCE	0.6 -	ROCKWELL/	R. H. MULFINGER,	DMS-DR-2419
16TT -	ESTIGATION TO VER	CONFIGURATION MO	AMIC STABILITY AN		1.3	LARC -	J. J. DAILEDA/ROC	SEPT., 1978
325 /	IFY SHUTTLE ORBIT	DEL 104-0 INSTRUM	D CONTROL CHARACT			16-FOOT TRANSO	KWELL INTERNATION	
0A270B/C	ER AERO-CHARACTER	ENTED ELEVONS	ERISTICS AND CONT			NIC TUNNEL	AL	
CR-151,762	ISTICS AND EXAMIN	SSV OV102 ORBITER	ROL SURFACE HINGE				E. PUTNAM, W. COM	
	E TRANSONIC BLOCK	CONFIGURATION MO	MOMENTS ON THE O				PTON/LARC	
	AGE AND SHOCK REF	DEL 105-0 RIGID F	V102 CONFIGURATIO				G. G. MCDONALD	
	LECTION EFFECTS U	ORCE MODEL	N				-DMS	
	TILIZING .02-SCAL							
	E HI-FIDELITY MOD							
	ELS 104-0 AND 105							
	-0 IN THE LANGLEY							
	RESEARCH CENTER 1							
	6-FT. TRANSONIC W							
	IND TUNNEL 0A270B							
	/C							
AEDC -	RESULTS OF TESTS	MODEL 83-0 LINES	DETERMINE DETAIL	HEAT-TRANS	0.04 /	ROCKWELL/	P.L. LAMOINE/RI	DMS-DR-2420
HWTB -	ON A 0.04-SCALE S	VL70-000140C	HEATING RCC-RSI I		7.88 -	AEDC -	J. E. VAUGHN	NOV., 1982
V41B-V2A /	PACE SHUTTLE ORBI		NTERFACE AREA ON		8.0	HYPERSONIC WIN	G. R. LUTZ	
OH103A	TER FOREBODY MODE		LOWER FUSELAGE			D TUNNEL (B)	-DMS	
CR-167,385	L.(83-0) IN THE A		AND OBTAIN RCS NO					
	EDC VKF HYPERSONI		ZZLE HEATING					
	C WIND TUNNEL 'B'							
	TO OBTAIN AERODY							
	NAMIC HEATING DIS							
	TRIBUTION ON LOWE							
	R FUSELAGE AND RC							
	S NOZZLE AREAS (O							
	H103A)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	CALIBRATION TESTS	99-0	THE OBJECTIVES OF	FORCE	0.10/	ROCKWELL/	J.GAWIENOWSKI, W.	DMS-DR-2421
97SWT -	OF THE SPACE SHU	B74C16N108PR7PR8P	THESE TESTS WERE		1.6-	ARC -	ANDERSON/ ARC	VOLUME 01
282-1 /	TTLE ORBITER AIR	R14VT18VT19	TO DETERMINE AIR		3.5	9-FOOT BY 7-FO	R.R.BURROWS, W.R.	DEC., 1980
87SWT -	DATA SYSTEM USING		DATA SYSTEM PROB			OT SUPERSONIC	CARLSON/ RI	
0A251B/C	A 0.10-SCALE ORB		E PITOT AND STATI			WIND TUNNEL (U	D.W.HERSEY	
CR-160,495	ITER FOREBODY MOD		C PRESSURE ERRORS			NITARY)	G. W. KLUG	
	EL (99.0) IN THE		, THE EFFECT OF P			8-FOOT BY 7-FO	-DMS	
	NASA AMES RESEARC		ROBE SCALE ON STA			OT SUPERSONIC		
	H CENTER 9 X 7 AN		TIC PRESSURE CALI			WIND TUNNEL (U		
	D 8 X 7-FOOT LEGS		BRATION; CALCULAT			NITARY)		
	OF THE UNITARY P		E ANGLE-OF-ATTACK					
	LAN WIND TUNNEL (		SENSOR; EVALUATE					
	0A251B AND C)		TWO 'FLUSH PORT'					
			ALTERNATE AIR DAT					
			A SYSTEMS					
ARC -	CALIBRATION TESTS	99-0	THE OBJECTIVES OF	FORCE	0.10/	ROCKWELL/	J.GAWIENOWSKI, W.	DMS-DR-2421
97SWT -	OF THE SPACE SHU	B74C16N108PR7PR8P	THESE TESTS WERE		1.6-	ARC -	ANERSON/ ARC	VOLUME 02
282-1 /	TTLE ORBITER AIR	R14VT18VT19	TO DETERMINE AIR		3.5	9-FOOT BY 7-FO	R.R.BURROWS, W.R.	DEC., 1980
87SWT -	DATA SYSTEM USING		DATA SYSTEM PROB			OT SUPERSONIC	CARLSON/ RI	
0A251B/C	A 0.10-SCALE ORB		E PITOT AND STATI			WIND TUNNEL (U	D.W.HERSEY	
CR-160,496	ITER FOREBODY MOD		C PRESSURE ERRORS			NITARY)	G. W. KLUG	
	EL (99.0) IN THE		, THE EFFECT OF P			8-FOOT BY 7-FO	-DMS	
	NASA AMES RESEARC		ROBE SCALE ON STA			OT SUPERSONIC		
	H CENTER 9 X 7 AN		TIC PRESSURE CALI			WIND TUNNEL (U		
	D 8 X 7-FOOT LEGS		BRATION; CALCULAT			NITARY)		
	OF THE UNITARY P		E ANGLE-OF-ATTACK					
	LAN WIND TUNNEL (		SENSOR; EVALUATE					
	0A251B AND C)		TWO 'FLUSH PORT'					
			ALTERNATE AIR DAT					
			A SYSTEMS					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF THIN S	30/10/40-DEGREE C	TO DETERMINE THE	HEAT-TRANS	3.0 -	MMC /	HARRY R. CARROLL/	DMS-DR-2422
SWTA -	KIN THERMOCOUPLE	ONE OGIVE	CHANGE IN HEATING		5.5	AEDC -	MMC	APRIL, 1979
V41A-20 /	TESTS CONDUCTED I		,IF ANY DUE TO TH			SUPERSONIC WIN	J. E. VAUGHN	
FH15	N THE AEDC VKF TU		E SMALL CHANGE IN			D TUNNEL (A)	C. R. EDWARDS	
CR-151,767	NNEL A TO DETERMI		THE NOSE SPIKE C				-DMS	
	NE HEAT TRANSFER		ONFIGURATION^ + T					
	RATES ON A .0275		O MEASURE INTERFE					
	SCALE SSV ET FORE		RENCE HEATING ON					
	BODY (FH15)		THE SURFACE AROUN					
			D THE FORWARD FAI					
			RING,TRAYS,GOX LI					
			NES + BRACKETS WI					
			TH + WITHOUT THES					
			E PROTUBERANCES.					
ARC -	RESULTS OF THIN S	30,10,40 DEGREES	DETERMINE THE CHA	HEAT-TRANS		MMC /	HARRY R. CARROLL/	DMS-DR-2423
3.5HWT -	KIN THERMOCOUPLE	CONICAL SPIKE FOR	NGE IN HEATING DU			ARC -	MMC	JAN., 1980
237 /	TESTS CONDUCTED I	ET	E TO THE CHANGE F			3.5-FOOT HYPER	JACK J. BROWNSON/	
FH16	N THE NASA/ARC		ROM 10,40 DEG CON			SONIC WIND TUN	ARC	
CR-151,768	3.5 FT. HYPERSONI		AL SPIKE TO A 30,			NEL	C. R. EDWARDS	
	C WIND TUNNEL TO		10,40 DEGREES CON				-DMS	
	DETERMINE HEAT TR		ICAL SPIKE					
	ANSFER RATES ON A		TO MEASURE INTERF					
	.0275 SCALE SSV		ERENCE HEATING ON					
	ET FOREBODY(FH16)		THE SURFACE AROU					
			ND THE FORWARD					
			FAIRING, TRAYS, G					
			OX LINE AND BRACK					
			ETS					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11,97,87-289-1 / 97SWT - OA126A,B,C CR-160,506	RESULTS OF TESTS ON THE EFFECTS OF AEROELASTICITY OF THE SPACE SHUTTLE ORBITER VERTICAL TAIL USING A 0.03-SCALE MODEL (47-0) IN THE NASA AMES UNITARY WIND TUNNELS (OA126A/B)	B62C9E64F9M16RSV8W131N112FD3N28	DETERMINE THE EFFECT OF AEROELASTICITY OF THE ORBITER VERTICAL TAIL ON THE LATERAL DIRECTIONAL STABILITY, RUDDER CONTROL CHARACTERISTICS AND TAIL LOADS OF THE ORBITER	FORCE	0.6 - 2.5	ROCKWELL/ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY WIND TUNNEL 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	S. R. HOULIHAN/ROCKWELL INTERNATIONAL M. M. MANN-DMS	DMS-DR-2424 VOLUME 01 OCT., 1980
ARC - 11,97,87-289-1 / 97SWT - OA126A,B,C CR-160,507	RESULTS OF TESTS ON THE EFFECTS OF AEROELASTICITY OF THE SPACE SHUTTLE ORBITER VERTICAL TAIL USING A 0.03-SCALE MODEL (47-0) IN THE NASA AMES UNITARY WIND TUNNELS (OA126A/B)	B62C9E64F9M16RSV8W131N112FD3N28	DETERMINE THE EFFECT OF AEROELASTICITY OF THE ORBITER VERTICAL TAIL ON THE LATERAL DIRECTIONAL STABILITY, RUDDER CONTROL CHARACTERISTICS AND TAIL LOADS OF THE ORBITER	FORCE	0.6 - 2.5	ROCKWELL/ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY WIND TUNNEL 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	S. R. HOULIHAN/ROCKWELL INTERNATIONAL M. M. MANN-DMS	DMS-DR-2424 VOLUME 02 OCT., 1980
ARC - 11,97,87-289-1 / OA126A,B,C CR-160,508	RESULTS OF TESTS ON THE EFFECTS OF AEROELASTICITY OF THE SPACE SHUTTLE ORBITER VERTICAL TAIL USING A 0.03-SCALE MODEL (47-0) IN THE NASA AMES UNITARY WIND TUNNELS (OA126ABC)	SSV 102 ORBITER CONFIGURATION 47-0	DETERMINE EFFECT OF AEROELASTICITY OF ORBITER VERTICAL TAIL ON LATERAL DIRECTIONAL STABILITY, RUDDER CONTROL CHARACTERISTICS AND TAIL LOADS OF THE ORBITER VEHICLE. THREE TAILS (RIGID, PRESSURE INSTRUMENTED, AND ELASTIC) WERE USED.	FORCE	0.03 / 0.6 - 3.5	ROCKWELL/ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY WIND TUNNEL	S. R. HOULIHAN/ROCKWELL W. ANDERSON/ARC D.W.HERSEY G. G. MCDONALD -DMS	DMS-DR-2424 VOLUME 03 OCT., 1980

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	A WIND TUNNEL STU	140A/B ORBITER	TO DETERMINE APPL	FORCE	0.0004 /	LARC /	H. W. CARLSON + R	DMS-DR-2426
UPWT -	DY OF THE APPLICA		ICABILITY OF FAR-		2.8 -	LARC -	. J. MACK/LARC	JUNE, 1978
1207 LG2 /	BILITY OF FAR-FIE		FIELD SONIC-BOOM		4.14	UNITARY PLAN W	J. W. BALL	
LA124	LD SONIC-BOOM THE		THEORY TO THE SPA			IND TUNNEL	G. G. MCDONALD	
TM-X	ORY TO THE SPACE		CE SHUTTLE ORBITE				-DMS	
TP1186	SHUTTLE ORBITER		R					
AEDC -	RESULTS OF TESTS	MODEL 60-0; LINE	DETERMINE TURBULE	HEAT-TRANS	0.0175 /	ROCKWELL/	J.W. CUMMINGS/RI	DMS-DR-2427
HWTB -	OF A 0.0175-SCALE	S VL70-000140C	NT HEATING ON LOW		7.96 -	AEDC -	S. R. HOULIHAN	JAN., 1984
V41B-V2C /	THIN-SKIN THERMO		ER FUSELAGE AND W		8.0	HYPERSONIC WIN	G. R. LUTZ	
OH103B	COUPLE WIND TUNNE		ING SURFACE			D TUNNEL (B)	-DMS	
CR-167,675	L MODEL (60-0) OF							
	THE SPACE SHUTTL							
	E ORBITER TO DETE							
	RMINE EFFECTS OF							
	SURFACE ROUGHNESS							
	IN THE AEDC VKF							
	HYPERSONIC WIND T							
	UNNEL B (OH103B							
	)							
LERC -	WIND TUNNEL TESTS	84-OTS- .035 SCAL	TO OBTAIN PRESSUR	PRESSURE	.035 /	ROCKWELL/	P.R. CARROL/RI, W	DMS-DR-2428
10SWT -	OF THE 0.035-SCA	E MODEL OF THE IN	E DATA IN THE VIC		2.5 -	LERC -	. GERSTENMAIER/NA	VOLUME 01
045 /	LE INTEGRATED SPA	TEGRATED SPACE SH	INITY OF PROTUBER		3.5	10 BY 10-FOOT	SA	FEB., 1981
IH11	CE SHUTTLE VEHICL	UTTLE VEHICLE	ANCES AND CONNECT			SUPERSONIC WIN	S. R. HOULIHAN	
CR-160,523	E 84-OTS IN THE N		ING HARDWARE ON T			D TUNNEL	G. W. KLUG	
	ASA/LEWIS 10 X 10		HE ORBITER,EXTERN				-DMS	
	-FOOT SUPERSONIC		AL TANK AND SOLID					
	WIND TUNNEL (IH1		ROCKET BOOSTER I					
	1)		N ORDER TO DETERM					
			INE AERODYNAMIC H					
			EATING RATES IN T					
			HESE AREAS.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LERC -	WIND TUNNEL TESTS	84-OTS- .035 SCAL	TO OBTAIN PRESSUR	PRESSURE	.035 /	ROCKWELL/	P.R. CARROL/RI, W	DMS-DR-2428
10SWT -	OF THE 0.035-SCA	E MODEL OF THE IN	E DATA IN THE VIC		2.5 -	LERC -	. GERSTENMAIER/NA	VOLUME 02
045 /	LE INTEGRATED SPA	TEGRATED SPACE SH	INITY OF PROTUBER		3.5	10 BY 10-FOOT	SA	FEB., 1981
IH11	CE SHUTTLE VEHICL	UTTLE VEHICLE	ANCES AND CONNECT			SUPERSONIC WIN	S. R. HOULIHAN	
CR-160,524	E 84-OTS IN THE N		ING HARDWARE ON T			D TUNNEL	G. W. KLUG	
	ASA/LEWIS 10 X 10		HE ORBITER,EXTERN				-DMS	
	-FOOT SUPERSONIC		AL TANK AND SOLID					
	WIND TUNNEL (IH1		ROCKET BOOSTER I					
	1)		N ORDER TO DETERM					
			INE AERODYNAMIC H					
			EATING RATES IN T					
			HESE AREAS.					
LERC -	WIND TUNNEL TESTS	84-OTS- .035 SCAL	TO OBTAIN PRESSUR	PRESSURE	.035 /	ROCKWELL/	P.R. CARROL/RI, W	DMS-DR-2428
10SWT -	OF THE 0.035-SCA	E MODEL OF THE IN	E DATA IN THE VIC		2.5 -	LERC -	. GERSTENMAIER/NA	VOLUME 03
045 /	LE INTEGRATED SPA	TEGRATED SPACE SH	INITY OF PROTUBER		3.5	10 BY 10-FOOT	SA	FEB., 1981
IH11	CE SHUTTLE VEHICL	UTTLE VEHICLE	ANCES AND CONNECT			SUPERSONIC WIN	S. R. HOULIHAN	
CR-160,525	E 84-OTS IN THE N		ING HARDWARE ON T			D TUNNEL	G. W. KLUG	
	ASA/LEWIS 10 X 10		HE ORBITER,EXTERN				-DMS	
	-FOOT SUPERSONIC		AL TANK AND SOLID					
	WIND TUNNEL (IH1		ROCKET BOOSTER I					
	1)		N ORDER TO DETERM					
			INE AERODYNAMIC H					
			EATING RATES IN T					
			HESE AREAS.					
LERC -	WIND TUNNEL TESTS	84-OTS- .035 SCAL	TO OBTAIN PRESSUR	PRESSURE	.035 /	ROCKWELL/	P.R. CARROL/RI, W	DMS-DR-2428
10SWT -	OF THE 0.035-SCA	E MODEL OF THE IN	E DATA IN THE VIC		2.5 -	LERC -	. GERSTENMAIER/NA	VOLUME 04
045 /	LE INTEGRATED SPA	TEGRATED SPACE SH	INITY OF PROTUBER		3.5	10 BY 10-FOOT	SA	FEB., 1981
IH11	CE SHUTTLE VEHICL	UTTLE VEHICLE	ANCES AND CONNECT			SUPERSONIC WIN	S. R. HOULIHAN	
CR-160,526	E 84-OTS IN THE N		ING HARDWARE ON T			D TUNNEL	G. W. KLUG	
	ASA/LEWIS 10 X 10		HE ORBITER,EXTERN				-DMS	
	-FOOT SUPERSONIC		AL TANK AND SOLID					
	WIND TUNNEL (IH1		ROCKET BOOSTER I					
	1)		N ORDER TO DETERM					
			INE AERODYNAMIC H					
			EATING RATES IN T					
			HESE AREAS.					

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ARC -	THIN SKIN HEAT TR	OT FLAT PLATE	THE PURPOSE OF TH	HEAT-TRANS	0.04 /	ROCKWELL/	J.W. CUMMINGS /RI	DMS-DR-2429
3.5HWT -	ANSFER TESTS OF A	580TS	IS TEST WAS TO OB		5.3 -	ARC -	A.F. OKUNO /ARC	APRIL, 1982
239 /	SIMULATED SPACE		TAIN AERODYNAMIC		5.3	3.5-FOOT HYPER	S. R. HOULIHAN	
IH51B	SHUTTLE 0.04 SCAL		INTERFERENCE HEAT			SONIC WIND TUN	G. W. KLUG	
CR-167,353	E SOLID ROCKET BO		ING DATA ON THE E			NEL	-DMS	
	OSTER/ET MODEL (5		T AND SRB IN THE					
	8-TS) IN THE NASA		PROXIMITY OF THE					
	/ARC 3.5 FOOT HYP		FORWARD ET/SRB AT					
	ERSONIC WIND TUNN		TACHMENT AND ON T					
	EL (IH51B)		HE ATTACH STRUCTU					
			RE.					
LARC -	RESULTS OF AN INV	OV102(MODEL 39-0)	VERIFICATION OF L	FORCE	0.6 -	ROCKWELL/	R.H.MULFINGER/RI	DMS-DR-2430
16TT -	ESTIGATION TO VER		ONGITUDINAL AND L		1.3	LARC -	S. R. HOULIHAN	VOLUME 01
326 /	IFY SHUTTLE ORBIT		ATERAL/DIRECTIONA			16-FOOT TRANSO	M. M. MANN	MARCH, 1981
0A270A	ER AERO-CHARACTER		L FORCE AND			NIC TUNNEL	-DMS	
CR-160,817	ISTICS AND EXAMIN		MOMENT CHARACTERI					
	E TRANSONIC BLOCK		STICS, CONTROL SU					
	AGE AND SHOCK REF		RFACE EFFECTIVENE					
	LECTION EFFECTS		SS AND HINGE					
	UTILIZING AN .05-		MOMENTS AND EXAMI					
	SCALE HI-FIDELITY		NE THE EFFECT OF					
	REMOTE CONTROL M		TUNNEL BLOCKAGE A					
	ODEL(39-0) IN THE		ND SHOCK REFLECT-					
	LANGLEY RESEARCH		IONS ON THESE CHA					
	CENTER 16-FT. TRA		RACTERISTICS					
	NSONIC WIND TUNNE							
	L 0A270A							

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LARC -	RESULTS OF AN INV	OV102(MODEL 39-0)	VERIFICATION OF L	FORCE	0.6 -	ROCKWELL/	R.H.MULFINGER/RI	DMS-DR-2430
16TT -	ESTIGATION TO VER		ONGITUDINAL AND L		1.3	LARC -	S. R. HOULIHAN	VOLUME 02
326 /	IFY SHUTTLE ORBIT		ATERAL/DIRECTIONA			16-FOOT TRANSO	M. M. MANN	MARCH, 1981
OA270A	ER AERO-CHARACTER		L FORCE AND			NIC TUNNEL	-DMS	
CR-160,818	ISTICS AND EXAMIN		MOMENT CHARACTERI					
	E TRANSONIC BLOCK		STICS, CONTROL SU					
	AGE AND SHOCK REF		RFACE EFFECTIVENE					
	LECTION EFFECTS		SS AND HINGE					
	UTILIZING AN .05-		MOMENTS AND EXAMI					
	SCALE HI-FIDELITY		NE THE EFFECT OF					
	REMOTE CONTROL M		TUNNEL BLOCKAGE A					
	ODEL(39-0) IN THE		ND SHOCK REFLECT-					
	LANGLEY RESEARCH		IONS ON THESE CHA					
	CENTER 16-FT. TRA		RACTERISTICS					
	NSONIC WIND TUNNE							
	L OA270A							
LARC -	RESULTS OF AN INV	OV102(MODEL 39-0)	VERIFICATION OF L	FORCE	0.6 -	ROCKWELL/	R.H.MULFINGER/RI	DMS-DR-2430
16TT -	ESTIGATION TO VER		ONGITUDINAL AND L		1.3	LARC -	S. R. HOULIHAN	VOLUME 03
326 /	IFY SHUTTLE ORBIT		ATERAL/DIRECTIONA			16-FOOT TRANSO	M. M. MANN	MARCH, 1981
OA270A	ER AERO-CHARACTER		L FORCE AND			NIC TUNNEL	-DMS	
CR-160,819	ISTICS AND EXAMIN		MOMENT CHARACTERI					
	E TRANSONIC BLOCK		STICS, CONTROL SU					
	AGE AND SHOCK REF		RFACE EFFECTIVENE					
	LECTION EFFECTS		SS AND HINGE					
	UTILIZING AN .05-		MOMENTS AND EXAMI					
	SCALE HI-FIDELITY		NE THE EFFECT OF					
	REMOTE CONTROL M		TUNNEL BLOCKAGE A					
	ODEL(39-0) IN THE		ND SHOCK REFLECT-					
	LANGLEY RESEARCH		IONS ON THESE CHA					
	CENTER 16-FT. TRA		RACTERISTICS					
	NSONIC WIND TUNNE							
	L OA270A							

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AEDC -	TEST RESULTS FROM	OTS-T38S26B62C12M	TO OBTAIN CONVECT	HEAT-TRANS	0.0175 /	ROCKWELL/	J.W.CUMMINGS/RI	DMS-DR-2431
SWTA -	THE NASA/ROCKELL	16W116E52V8R18F10	IVE HEAT-TRANSFER		3.01 -	AEDC -	K.W.NUTT/AEDC-VKF	VOLUME 01
V41A-W5 /	INTERNATIONAL SP	OT-T38B62C12M16W1	-RATE DISTRIBUTIO		4.02	SUPERSONIC WIN	/SH	APRIL, 1980
IH85	ACE SHUTTLE INTEG	16E52V8R18F10	NS ON THE SPACE S			D TUNNEL (A)	J. E. VAUGHN	
CR-151,793	RATED VEHICLE TES		HUTTLE INTEGRATED				G. W. KLUG	
	T USING A 0.0175-		VEHICLE DURING S				-DMS	
	SCALE MODEL (60-O		IMULATED FIRST AN					
	TS) CONDUCTED IN		D SECOND STAGE CO					
	THE AEDC-VKF TUNN		NDITIONS OF THE F					
	EL A (IH85)		LIGHT PROFILE					
AEDC -	TEST RESULTS FROM	OTS-T38S26B62C12M	TO OBTAIN CONVECT	HEAT-TRANS	0.0175 /	ROCKWELL/	J.W.CUMMINGS/RI	DMS-DR-2431
SWTA -	THE NASA/ROCKELL	16W116E52V8R18F10	IVE HEAT-TRANSFER		3.01 -	AEDC -	K.W.NUTT/AEDC-VKF	VOLUME 02
V41A-W5 /	INTERNATIONAL SP	OT-T38B62C12M16W1	-RATE DISTRIBUTIO		4.02	SUPERSONIC WIN	/SH	APRIL, 1980
IH85	ACE SHUTTLE INTEG	16E52V8R18F10	NS ON THE SPACE S			D TUNNEL (A)	J. E. VAUGHN	
CR-151,794	RATED VEHICLE TES		HUTTLE INTEGRATED				G. W. KLUG	
	T USING A 0.0175-		VEHICLE DURING S				-DMS	
	SCALE MODEL (60-O		IMULATED FIRST AN					
	TS) CONDUCTED IN		D SECOND STAGE CO					
	THE AEDC-VKF TUNN		NDITIONS OF THE F					
	EL A (IH85)		LIGHT PROFILE					
AEDC -	TEST RESULTS FROM	OTS-T38S26B62C12M	TO OBTAIN CONVECT	HEAT-TRANS	0.0175 /	ROCKWELL/	J.W.CUMMINGS/RI	DMS-DR-2431
SWTA -	THE NASA/ROCKELL	16W116E52V8R18F10	IVE HEAT-TRANSFER		3.01 -	AEDC -	K.W.NUTT/AEDC-VKF	VOLUME 03
V41A-W5 /	INTERNATIONAL SP	OT-T38B62C12M16W1	-RATE DISTRIBUTIO		4.02	SUPERSONIC WIN	/SH	APRIL, 1980
IH85	ACE SHUTTLE INTEG	16E52V8R18F10	NS ON THE SPACE S			D TUNNEL (A)	J. E. VAUGHN	
CR-151,795	RATED VEHICLE TES		HUTTLE INTEGRATED				G. W. KLUG	
	T USING A 0.0175-		VEHICLE DURING S				-DMS	
	SCALE MODEL (60-O		IMULATED FIRST AN					
	TS) CONDUCTED IN		D SECOND STAGE CO					
	THE AEDC-VKF TUNN		NDITIONS OF THE F					
	EL A (IH85)		LIGHT PROFILE					

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AEDC -	TEST RESULTS FROM	OTS-T38S26B62C12M	TO OBTAIN CONVECT	HEAT-TRANS	0.0175 /	ROCKWELL/	J.W.CUMMINGS/RI	DMS-DR-2431
SWTA -	THE NASA/ROCKELL	16W116E52V8R18F10	IVE HEAT-TRANSFER		3.01 -	AEDC -	K.W.NUTT/AEDC-VKF	VOLUME 04
V41A-W5 /	INTERNATIONAL SP	OT-T38B62C12M16W1	-RATE DISTRIBUTIO		4.02	SUPERSONIC WIN	/SH	APRIL, 1980
IH85	ACE SHUTTLE INTEG	16E52V8R18F10	NS ON THE SPACE S			D TUNNEL (A)	J. E. VAUGHN	
CR-151,796	RATED VEHICLE TES		HUTTLE INTEGRATED				G. W. KLUG	
	T USING A 0.0175-		VEHICLE DURING S				-DMS	
	SCALE MODEL (60-0		IMULATED FIRST AN					
	TS) CONDUCTED IN		D SECOND STAGE CO					
	THE AEDC-VKF TUNN		NDITIONS OF THE F					
	EL A (IH85)		LIGHT PROFILE					
AEDC -	TEST RESULTS FROM	OTS-T38S26B62C12M	TO OBTAIN CONVECT	HEAT-TRANS	0.0175 /	ROCKWELL/	J.W.CUMMINGS/RI	DMS-DR-2431
SWTA -	THE NASA/ROCKELL	16W116E52V8R18F10	IVE HEAT-TRANSFER		3.01 -	AEDC -	K.W.NUTT/AEDC-VKF	VOLUME 05
V41A-W5 /	INTERNATIONAL SP	OT-T38B62C12M16W1	-RATE DISTRIBUTIO		4.02	SUPERSONIC WIN	/SH	MAY, 1980
IH85	ACE SHUTTLE INTEG	16E52V8R18F10	NS ON THE SPACE S			D TUNNEL (A)	J. E VAUGHN	
CR-151,797	RATED VEHICLE TES		HUTTLE INTEGRATED				G. W. KLUG	
	T USING A 0.0175-		VEHICLE DURING S				-DMS	
	SCALE MODEL (60-0		IMULATED FIRST AN					
	TS) CONDUCTED IN		D SECOND STAGE CO					
	THE AEDC-VKF TUNN		NDITIONS OF THE F					
	EL A (IH85)		LIGHT PROFILE					
AEDC -	TEST RESULTS FROM	OTS-T38S26B62C12M	TO OBTAIN CONVECT	HEAT-TRANS	0.0175 /	ROCKWELL/	J.W.CUMMINGS/RI	DMS-DR-2431
SWTA -	THE NASA/ROCKELL	16W116E52V8R18F10	IVE HEAT-TRANSFER		3.01 -	AEDC -	K.W.NUTT/AEDC-VKF	VOLUME 06
V41A-W5 /	INTERNATIONAL SP	OT-T38B62C12M16W1	-RATE DISTRIBUTIO		4.02	SUPERSONIC WIN	/SH	MAY, 1980
IH85	ACE SHUTTLE INTEG	16E52V8R18F10	NS ON THE SPACE S			D TUNNEL (A)	J. E. VAUGHN	
CR-151,798	RATED VEHICLE TES		HUTTLE INTEGRATED				G. W. KLUG	
	T USING A 0.0175-		VEHICLE DURING S				-DMS	
	SCALE MODEL (60-0		IMULATED FIRST AN					
	TS) CONDUCTED IN		D SECOND STAGE CO					
	THE AEDC-VKF TUNN		NDITIONS OF THE F					
	EL A (IH85)		LIGHT PROFILE					

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AEDC -	TEST RESULTS FROM	OTS-T38S26B62C12M	TO OBTAIN CONVECT	HEAT-TRANS	0.0175 /	ROCKWELL/	J.W.CUMMINGS/RI	DMS-DR-2431
SWTA -	THE NASA/ROCKELL	16W116E52V8R18F10	IVE HEAT-TRANSFER		3.01 -	AEDC -	K.W.NUTT/AEDC-VKF	VOLUME 07
V41A-W5 /	INTERNATIONAL SP	OT-T38B62C12M16W1	-RATE DISTRIBUTIO		4.02	SUPERSONIC WIN	/SH	MAY, 1980
IH85	ACE SHUTTLE INTEG	16E52V8R18F10	NS ON THE SPACE S			D TUNNEL (A)	J. E. VAUGHN	
CR-151,799	RATED VEHICLE TES		HUTTLE INTEGRATED				G. W. KLUG	
	T USING A 0.0175-		VEHICLE DURING S				-DMS	
	SCALE MODEL (60-0		IMULATED FIRST AN					
	TS) CONDUCTED IN		D SECOND STAGE CO					
	THE AEDC-VKF TUNN		NDITIONS OF THE F					
	EL A (IH85)		LIGHT PROFILE					
AEDC -	TEST RESULTS FROM	OTS-T38S26B62C12M	TO OBTAIN CONVECT	HEAT-TRANS	0.0175 /	ROCKWELL/	J.W.CUMMINGS/RI	DMS-DR-2431
SWTA -	THE NASA/ROCKELL	16W116E52V8R18F10	IVE HEAT-TRANSFER		3.01 -	AEDC -	K.W.NUTT/AEDC-VKF	VOLUME 08
V41A-W5 /	INTERNATIONAL SP	OT-T38B62C12M16W1	-RATE DISTRIBUTIO		4.02	SUPERSONIC WIN	/SH	APRIL, 1980
IH85	ACE SHUTTLE INTEG	16E52V8R18F10	NS ON THE SPACE S			D TUNNEL (A)	J. E. VAUGHN	
CR-151,800	RATED VEHICLE TES		HUTTLE INTEGRATED				G. W. KLUG	
	T USING A 0.0175-		VEHICLE DURING S				-DMS	
	SCALE MODEL (60-0		IMULATED FIRST AN					
	TS) CONDUCTED IN		D SECOND STAGE CO					
	THE AEDC-VKF TUNN		NDITIONS OF THE F					
	EL A (IH85)		LIGHT PROFILE					
LARC -	INVESTIGATION OF	OV102 (105-0)	TO OBTAIN LATERAL	FORCE	0.02/	LARC /	W.PELHAM PHILLIPS	DMS-DR-2432
UPWT -	LONGITUDINAL AND		-DIRECTIONAL AERO			LARC -	/NASA-LARC	OCT., 1981
1243 /	LATERAL-DIRECTION		DYNAMIC CHARACTER			UNITARY PLAN W	J. W. BALL	
LA125	AL AERODYNAMIC CH		ISTICS OF THE ORB			IND TUNNEL	G. W. KLUG	
CR-160,845	ARACTERISTICS FOR		ITER OVER THE MAC				-DMS	
	A 2 PERCENT (MOD		H RANGE 2.5 TO 4.					
	EL 105-0) SPACE S		5.					
	HUTTLE ORBITER (V							
	EHICLE 102) IN TH							
	E LARC UPWT AT MA							
	CH NUMBERS FROM 2							
	.5 TO 4.5 (LA125)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NSWC -	RESULTS OF TESTS	0.02 SCALE ORBITE	OBTAIN FORCE AND	FORCE	13.1 -	ROCKWELL/	J. J. DAILEDA/ROC	DMS-DR-2433
1310 /	USING A 0.020-SCA	R VEHICLE 102 (MO	MOMENT DATA AT FU		13.5	NSWC -	KWELL INTERNATION	OCT., 1978
OA171	LE MODEL (105-0)	DEL 105-0), MODIF	LL SCALE FLIGHT T				AL	
CR-151,764	OF THE SPACE SHUT	IED MODEL 89-0	RAJECTORY REYNOLD				W. C. WOODS, G. C	
	TLE VEHICLE ORBIT		S NUMBER AT A MA				. ASHBY, JR./LARC	
	ER IN THE NAVAL S		CH NUMBER OF 14 A				D.W.HERSEY	
	URFACE WEAPONS CE		ND TO EXPAND THE				G. G. MCDONALD	
	NTER HYPERVELOCIT		CURRENT DATA BASE				-DMS	
	Y TUNNEL 9 (OA171		ABOVE MACH 10 BUT					
	)		BELOW THE FLIGHT					
			CONDITIONS WHERE					
			ONSET OF VISCOUS					
			INTERACIONS OCCUR					
			S.					
AEDC -	RESULTS OF TESTS	ORBITER (47.0) OV	TO DETERMINE AERO	FORCE	0.03/	ROCKWELL/	R.S.SPANGLER/RI	DMS-DR-2434
PWT16T -	ON THE EFFECTS OF	102 WITH RIGID AN	ELASTIC EFFECTS O		0.8 -	AEDC -	S.R.HOULIHAN/RI	DEC., 1979
507 /	AEROELASTICITY O	D FLEXIBLE TAIL	F THE ORBITER VER		1.55	TRANSONIC PROP	D.W.HERSEY	
OA129	F THE SPACE SHUTT		TICAL TAIL ON THE			ULSION WIND TU	G. W. KLUG	
CR-151,782	LE ORBITER VERTIC		LATERAL-DIRECTIO			NNEL (PWT-16T)	-DMS	
	AL TAIL USING A O		NAL STABILITY, RU					
	.03-SCALE MODEL (		DDER CONTROL CHAR					
	47-0) IN THE AEDC		ACTERISTICS AND V					
	-16T PROPULSION W		ERTICAL TAIL LOAD					
	IND TUNNEL (OA129		S.					
	)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LERC -	BASE PRESSURE AND	INTEGRATED VEHICL	TO MEASURE HEAT T	PRESSURE	0.0225 /	ROCKWELL/	J.W.FOUST/RI	DMS-DR-2435
10SWT -	HEAT TRANSFER TE	E CONFIGURATION 5	RANSFER + PRESSUR		2.0 -	LERC -	D.W.HERSEY	OCT., 1978
041 /	STS OF THE 0.0225		E DISTRIBUTIONS A		3.5	10 BY 10-FOOT	G. G. MCDONALD	
IH39	-SCALE SPACE SHUT		BOUT THE ORBITER,			SUPERSONIC WIN	-DMS	
CR-151,415	TLE PLUME SIMULAT		ET,+ SRB AFTBODY			D TUNNEL		
	ION MODEL (19-OTS		SURFACES DUE TO R					
	) IN THE NASA-LEW		OCKET PLUME RECIR					
	IS RESEARCH CENTE		CULATION; THE SAM					
	R 10X10-FOOT SUPE		E ALONG SIDE WALL					
	RSONIC WIND TUNNE		S DUE TO ROCKET-P					
	L (TEST IH39)		LUME-INDUCED SEPA					
			RATION; + TO DETE					
			RMINE GAS RECOVER					
			Y TEMPERATURES.					
LA126	SPACE SHUTTLE ORB					LARC /	J. W. BALL	DMS-DR-2436
TM-X	ITER TRIMMED CENT						-DMS	VOLUME 06
72661	ER OF GRAVITY EXT							AUGUST, 1978
	ENSION STUDY VOL							
	UME VI--SYSTEM DE							
	SIGN STUDIES							
MSFC -	RESULTS OF TRANSO	MODEL 74-OTS	DETERMINE AERODYN	FORCE	0.60 -	MSFC /	THOMAS E. LUNDY/L	DMS-DR-2437
14TWT -	NIC TESTS IN THE	MODEL 74-OTS WITH	AMIC INCREMENTS D		4.96	MSFC -	MSC	FEB., 1979
652 /	NASA/MSFC 14-INCH	ORB. MOLD LINE C	UE TO ATTACH STRU			14-INCH TRISON	J. L. GLYNN	
FA25	TRISONIC WIND	HANGES ON WING AN	CTURE; ORBITER			IC WIND TUNNEL	J. E. VAUGHN	
CR-151,766	TUNNEL ON A 0.004	D NOSE	MOLD LINE CHANGES				-DMS	
	SCALE MODEL (74-	MODEL 74-OTS WITH	; WIRE BUNDLE FAI					
	OTS) SPACE SHUTTL	ORB. MOLD LINE C	RINGS; FLOW ANGUL					
	E LAUNCH VEHICLE	HANGES ON WING	ARITY					
	(FA25)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN EXP	PROPOSED VEHICLE 5	TO OBTAIN PRESSUR	FORCE	0.01 /	ROCKWELL/	J. MARROQUIN/RI	DMS-DR-2438
97SWT -	ERIMENTAL INVESTI		E COEFFICIENT INC	PRESSURE	1.55 -	ARC -	D.W.HERSEY	VOLUME 01
246-1 /	GATION TO DETERMI		REMENTS DUE TO PL		2.5	9-FOOT BY 7-FO	R. H. LINDAHL	FEB., 1982
IA138	NE ORBITER AND SO		UME EFFECTS ON			OT SUPERSONIC	-DMS	
CR-160,855	LID ROCKET BOOSTE		THE ORBITER, EXTE			WIND TUNNEL (U		
	R JET PLUME INDUC		RNAL TANK, AND SR			NITARY)		
	ED EFFECTS UTILIZ		B, AND TO OBTAIN					
	ING A .01-SCALE I		WING LOADS AND					
	NTEGRATED VEHICLE		ELEVON HINGE MOME					
	SPACE SHUTTLE MO		NTS					
	DEL (75-OTS) IN T							
	HE NASA/ARC 9X7 F							
	OOT LEG OF THE UN							
	ITARY PLAN WIND T							
	UNNEL							
ARC -	RESULTS OF AN EXP	PROPOSED VEHICLE 5	TO OBTAIN PRESSUR	FORCE	0.01 /	ROCKWELL/	J. MARROQUIN/RI	DMS-DR-2438
97SWT -	ERIMENTAL INVESTI		E COEFFICIENT INC	PRESSURE	1.55 -	ARC -	D.W.HERSEY	VOLUME 02
246-1 /	GATION TO DETERMI		REMENTS DUE TO PL		2.5	9-FOOT BY 7-FO	R. H. LINDAHL	FEB., 1982
IA138	NE ORBITER AND SO		UME EFFECTS ON			OT SUPERSONIC	-DMS	
CR-160,856	LID ROCKET BOOSTE		THE ORBITER, EXTE			WIND TUNNEL (U		
	R JET PLUME INDUC		RNAL TANK, AND SR			NITARY)		
	ED EFFECTS UTILIZ		B, AND TO OBTAIN					
	ING A .01-SCALE I		WING LOADS AND					
	NTEGRATED VEHICLE		ELEVON HINGE MOME					
	SPACE SHUTTLE MO		NTS					
	DEL (75-OTS) IN T							
	HE NASA/ARC 9X7 F							
	OOT LEG OF THE UN							
	ITARY PLAN WIND T							
	UNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AN EXP	PROPOSED VEHICLE	TO OBTAIN PRESSUR	FORCE	0.01 /	ROCKWELL/	J. MARROQUIN/RI	DMS-DR-2438
97SWT -	ERIMENTAL INVESTI	5	E COEFFICIENT INC	PRESSURE	1.55 -	ARC -	D.W.HERSEY	VOLUME 03
246-1 /	GATION TO DETERMI		REMENTS DUE TO PL		2.5	9-FOOT BY 7-FO	R. H. LINDAHL	FEB., 1982
IA138	NE ORBITER AND SO		UME EFFECTS ON			OT SUPERSONIC	-DMS	
CR-160,857	LID ROCKET BOOSTE		THE ORBITER, EXTE			WIND TUNNEL (U		
	R JET PLUME INDUC		RNAL TANK, AND SR			NITARY)		
	ED EFFECTS UTILIZ		B, AND TO OBTAIN					
	ING A .01-SCALE I		WING LOADS AND					
	NTEGRATED VEHICLE		ELEVON HINGE MOME					
	SPACE SHUTTLE MO		NTS					
	DEL (75-OTS) IN T							
	HE NASA/ARC 9X7 F							
	OOT LEG OF THE UN							
	ITARY PLAN WIND T							
	UNNEL							
AEDC -	RESULTS OF TESTS	MODEL 47-OTS	TO OBTAIN ORBITER	FORCE	0.03 /	ROCKWELL/	R. H. SPANGLER/RI	DMS-DR-2439
PWT16T -	USING A 0.03-SCAL		FORCE AND MOMENT		0.6-	AEDC -	L. P. LEBLANC/RI	NOV., 1983
517 /	E MODEL (47-OTS)		DATA, WING LOAD		1.55	TRANSONIC PROP	S. R. HOULIHAN	
IA182	OF THE SPACE SHUT		INDICATOR DATA, E			ULSION WIND TU	G. W. KLUG	
CR-167,673	TLE INTEGRATED VE		LEVON HINGE MOMEN			NNEL (PWT-16T)	-DMS	
	HICLE IN THE AEDC		TS,AND TO INVESTI					
	16-FOOT TRANSONI		GATE FLOW ANGULAR					
	C PROPULSION WIND		ITY CORRECTIONS					
	TUNNEL (IA182)		TO APPLY TO THE I					
			A105A DATA					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LERC - 10SWT - 044 / IH83 CR-151,765	BASE PRESSURE AND HEAT TRANSFER TE STS OF THE 0.0225 -SCALE SPACE SHUT TLE PLUME SIMULAT ION MODEL (19-OTS) IN YAWED FLIGHT CONDITIONS IN TH E NASA-LEWIS 10X1 O-FOOT SUPERSONIC WIND TUNNEL	SPACE SHUTTLE PLU ME SIMULATION (MO DEL 19-OTS)	TO MEASURE HEAT T RANSFER + PRESSUR E DISTRIBUTIONS A BOUT THE ORBITER, EXTERNAL TANK (ET), + SOLID ROCKET BOOSTER (SRB) AF TERBODY SURFACES DUE TO ROCKET PLU ME RECIRCULATION + IMPINGEMENT, + TO DERIVE GAS REC OVERY TEMP. IN TH E BASE REGION USI NG GAS TEMP. PROB E MEASUREMENTS.	PRESSURE HEAT-TRANS	0.0225 / 2.2 - 3.5	ROCKWELL/ LERC - 10 BY 10-FOOT SUPERSONIC WIN D TUNNEL	J.W.FOUST/RI M.QUAN/RI D.W.HERSEY G. R. LUTZ -DMS	DMS-DR-2440 FEB., 1979
JSC - 61-A-78 / OH79 CR-151,769	PRESSURE AND HEAT TRANSFER TESTS O F THE 0.040-SCALE SPACE SHUTTLE OR BITER BASE HEATIN G MODEL (65-O) IN THE JSC THERMAL VACUUM CHAMBER A.	65-O SS ORBITER B ASE HEATING MODEL	TO MEASURE BASE P RESSURE + HEAT TR ANSFER RATES ON A SCALED MODEL OF THE SPACE SHUTTLE ORBITER BASE REG ION WITH FIRING R OCKET ENGINES,SSM E, DUPLICATING TH E PLUME FLOW FIEL D TO SIMULATE REC IRCULATION + IMPI NGEMENT IN A NEAR -VACUUM ENVIRONME NT.	PRESSURE HEAT-TRANS	0.040 /	ROCKWELL/ JSC -	J.W. FOUST, P.L. LEMOINE/RI, A.L. BRANSCOMB/JSC D.W.HERSEY G. R. LUTZ -DMS	DMS-DR-2443 JUNE, 1979

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - PWT16T - 519 / IA183 CR-160,488	RESULTS OF TESTS USING A 0.02-SCALE MODEL (89-OTS) OF THE SPACE SHUTTLE INTEGRATED VEHICLE IN THE AEDC 16-FOOT TRANSONIC PROPULSION WIND TUNNEL (IA183)	B75C16E64F16FR22HG1M52N108N109N110N111R20U1V27VT10VT11VT12VT13VT14VT15VT16VT17W131T39S27	TO OBTAIN FORCE AND MOMENT DATA ON ALL VEHICLE ELEMENTS(ORBITER,EXTERNAL TANK, AND EACH SOLID ROCKET BOOSTER), WING AND VERTICAL TAIL LOAD INDICATORS, ELEVON HINGE MOMENTS, AND BASE-BODYFLAP PRESSURE DATA FOR VERIFICATION OF TEST IA156A DATA	PRESSURE	0.2 - 1.6	ROCKWELL/ AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T)	J. J. DAILEDA/ROCKWELL INTERNATIONAL D.W.HERSEY M. M. MANN -DMS	DMS-DR-2444 VOLUME 01 APRIL, 1981
AEDC - PWT16T - 519 / IA183 CR-160,489	RESULTS OF TESTS USING A 0.02-SCALE MODEL (89-OTS) OF THE SPACE SHUTTLE INTEGRATED VEHICLE IN THE AEDC 16-FOOT TRANSONIC PROPULSION WIND TUNNEL (IA183)	B75C16E64F16FR22HG1M52N108N109N110N111R20U1V27VT10VT11VT12VT13VT14VT15VT16VT17W131T39S27	TO OBTAIN FORCE AND MOMENT DATA ON ALL VEHICLE ELEMENTS(ORBITER,EXTERNAL TANK, AND EACH SOLID ROCKET BOOSTER), WING AND VERTICAL TAIL LOAD INDICATORS, ELEVON HINGE MOMENTS, AND BASE-BODYFLAP PRESSURE DATA FOR VERIFICATION OF TEST IA156A DATA	PRESSURE	0.2 - 1.6	ROCKWELL/ AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T)	J. J. DAILEDA/ROCKWELL INTERNATIONAL D.W.HERSEY M. M. MANN -DMS	DMS-DR-2444 VOLUME 02 APRIL, 1981

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF A WIND	SSV 14DA/B/C/R OR	TO OBTAIN OV-102	FORCE	3.5 -	ROCKWELL/	A. J. RITSCHEL/RI	DMS-DR-2445
87SWT -	TUNNEL PRESSURE	BITER	DISTRIBUTED PRESS	PRESSURE	3.5	ARC -	I. M. WEINBERG/RI	VOLUME 01
318-1 /	LOADS TEST OF THE		URES, VEHICLE FOR			8-FOOT BY 7-FO	S. R. HOULIHAN	JUNE, 1983
OA146	0.03-SCALE SPACE		CES AND MOMENTS,			OT SUPERSONIC	J. E. VAUGHN	
CR-167,652	SHUTTLE ORBITER		ELEVON HINGE MOME			WIND TUNNEL (U	-DMS	
	(MODEL 47-0) IN T		NTS, AND WING LOA			NITARY)		
	HE 8X7-FOOT LEG O		DS IN THE HYPERSO					
	F THE NASA/ARC UN		NIC FLOW REGION					
	ITARY PLAN WIND T		FOR RETURN TO LAU					
	UNNEL (OA146)		NCH SITE (RTLS) A					
			BORT					
ARC -	RESULTS OF A WIND	SSV 14DA/B/C/R OR	TO OBTAIN OV-102	FORCE	3.5 -	ROCKWELL/	A. J. RITSCHEL/RI	DMS-DR-2445
87SWT -	TUNNEL PRESSURE	BITER	DISTRIBUTED PRESS	PRESSURE	3.5	ARC -	I. M. WEINBERG/RI	VOLUME 02
318-1 /	LOADS TEST OF THE		URES, VEHICLE FOR			8-FOOT BY 7-FO	S. R. HOULIHAN	JUNE, 1983
OA146	0.03-SCALE SPACE		CES AND MOMENTS,			OT SUPERSONIC	J. E. VAUGHN	
CR-167,653	SHUTTLE ORBITER		ELEVON HINGE MOME			WIND TUNNEL (U	-DMS	
	(MODEL 47-0) IN T		NTS, AND WING LOA			NITARY)		
	HE 8X7-FOOT LEG O		DS IN THE HYPERSO					
	F THE NASA/ARC UN		NIC FLOW REGION					
	ITARY PLAN WIND T		FOR RETURN TO LAU					
	UNNEL (OA146)		NCH SITE (RTLS) A					
			BORT					
ARC -	SPACE SHUTTLE THI		DETERMINE AEROHEA	PRESSURE	LARGE /	ROCKWELL/	J. W. FOUST/RI	DMS-DR-2448
3.5HWT -	N SKIN HEAT TRANS		TING AROUND PROTU		5.3 -	ARC -	D.W.HERSEY	VOLUME 01
241 /	FER TESTS OF SIMU		BERANCES AND INVE		5.3	3.5-FOOT HYPER	J. E. VAUGHN	OCT., 1980
IH51C	LATED LARGE SCALE		STIGATE TPS			SONIC WIND TUN	-DMS	
CR-160,519	PROTUBERANCES AND		TILE HEATING RATE			NEL		
	HALF SCALE TILE		S USING A HALF-SC					
	ON FLAT PLATE MOD		ALE TILE ARRAY					
	EL 58-OTS IN THE							
	NASA AMES RESEARC							
	H CENTER 3.5-FT H							
	YPERSONIC WIND TU							
	NNEL (IH51C)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	SPACE SHUTTLE THI		DETERMINE AEROHEA	PRESSURE	LARGE /	ROCKWELL/	J. W. FOUST/RI	DMS-DR-2448
3.5HWT -	N SKIN HEAT TRANS		TING AROUND PROTU		5.3 -	ARC -	D.W.HERSEY	VOLUME 02
241 /	FER TESTS OF SIMU		BERANCES AND INVE		5.3	3.5-FOOT HYPER	J. E. VAUGHN	OCT., 1980
IH51C	LATED LARGE SCALE		STIGATE TPS			SONIC WIND TUN	-DMS	
CR-160,520	PROTUBERANCES AND		TILE HEATING RATE			NEL		
	HALF SCALE TILE		S USING A HALF-SC					
	ON FLAT PLATE MOD		ALE TILE ARRAY					
	EL 58-OTS IN THE							
	NASA AMES RESEARC							
	H CENTER 3.5-FT H							
	YPERSONIC WIND TU							
	NNEL (IH51C)							
AEDC -	RESULTS OF SHUTTL	EXTENAL OXYGEN HY	OBTAIN A TRANSONI	FORCE	0.4 -	ROCKWELL/	R.R.BURROWS/R.I.	DMS-DR-2449
PWT16T -	E TRANSPORTATION	DROGEN TANK FOREB	C CALIBRATION OF		1.55	AEDC -	C.J.SPURLIN/AEDC	FEB., 1981
505 /	SYSTEM ASCENT AIR	ODY MODEL	THE ASCENT AIR DA			TRANSONIC PROP	D.W.HERSEY	
IA132	DATA SYSTEM CALI		TA SYSTEM (AADS);			ULSION WIND TU	W. B. MEINDERS	
CR-160,497	BRATION TEST USIN		INVESTIGATE AN AL			NNEL (PWT-16T)	-DMS	
	G THE 0.07-SCALE		TERNATE AADS; PER					
	EXTERNAL TANK FOR		FORM LIMITED TUNN					
	EBODY MODEL (68-T		EL FLOW SURVEY					
	) IN THE AEDC PWT							
	16-FOOT TRANSONI							
	C WIND TUNNEL (IA							
	132)							
ARC -	EXPERIMENTAL RESU		TO VERIFY FLUTTER	PRESSURE	1.05 -	ROCKWELL/	R.B.KINGSLAND, M.	DMS-DR-2450
22TWT -	LTS OF TESTS TO D		PREDICTIONS MADE		1.1	ARC -	A.KOTCH/ROCKWELL	MAY, 1979
041,154,1/	ETERMINE THE EFFE		FOR PANELS WITH			2-FOOT BY 2-FO	D.W.HERSEY	
6 /	CTS OF ORBITER TH		AND WITHOUT THERM			OT TRANSONIC W	G. R. LUTZ	
OS4A	ERMAL PROTECTION		AL PROTECTION MAT			IND TUNNEL	-DMS	
OS4B	SUBSYSTEM (TPS) T		ERIAL					
OS12	ILES ON PANEL FLU							
CR-151,774	TTER CONDUCTED IN							
	THE ARC 2X2 TWT.							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF BOUNDA			HEAT-TRANS		ROCKWELL/	D.W.HERSEY	DMS-DR-2451
HWTB -	RY LAYER TRANSITI					AEDC -	G. R. LUTZ	MAY, 1979
P4A /	ON TESTS OF THE O					HYPERSONIC WIN	-DMS	
OH90A/MA29	.025-SCALE RIGHT-					D TUNNEL (B)		
CR-151,772	HAND WING AND TRU							
	NCATED AFT FUSELA							
	GE MODEL (94-O) I							
	N THE AEDC HWTB.							
ARC -	RESULTS OF HEAT T	SSV SRB NOSE	TO DETERMINE THE	HEAT-TRANS	0.10 /	ROCKWELL/	M. QUAN/ROCKWELL	DMS-DR-2452
3.5HWT -	RANSFER TESTS ON		HEAT TRANSFER RAT		5.3-	ARC -	C.L. BERTHOLD/ROC	SEPT., 1982
230 /	THE SPACE SHUTTLE		ES ON THE SPACE S		7.3	3.5-FOOT HYPER	KWELL	
IH99	FORWARD SRB SECT		HUTTLE SRB NOSE C			SONIC WIND TUN	D.W.HERSEY	
CR-167,383	ION AT ASCENT CON		ONE IN THE VICINI			NEL	G. R. LUTZ	
	DITIONS USING THE		TY OF THE FORWARD				-DMS	
	0.10-SCALE MODEL		SEPARATION MOTOR					
	98-S IN THE NASA		S AND AROUND SIMU					
	/AMES 3.5-FOOT HW		LATED RIVET HEADS					
	T (IH99)							
CALSPAN -	BASE PRESSURE AND	19-OTS-B64,C16,E6	TO MEASURE HEATIN	HEAT-TRANS	0.0225 /	ROCKWELL/	C.E. WITTLIFF/CAL	DMS-DR-2453
LT -	HEAT TRANSFER TE	3,F14,M18,N92,N94	G RATES AND PRESS	PRESSURE	3.5 -	CALSPAN -	SPAN	JUNE, 1979
I95-100 /	STS OF THE 0.0225	,V23,W129,S22,N10	URES AND TO DETER		4.5	LUDWIEG TUBE	D.W.HERSEY	
IH75	-SCALE SPACE SHUT	6,T33	MINE GAS RECOVERY				G. R. LUTZ	
CR-151,776	TLE PLUME SIMULAT		TEMPERATURES IN				-DMS	
	ION MODEL (19-OTS		THE BASE REGIONS					
	) IN THE NASA/CAL		OF A SCALED MODEL					
	SPAN LUDWIEG TUBE		OF THE SPACE SHU					
	WIND TUNNEL		TTLE VEHICLE WITH					
			ORBITER + SRB FI					
			RING ROCKET ENGIN					
			ES SIMULATING PLU					
			ME RECIRCULATION					
			+ IMPINGEMENT IN					
			AN ALTITUDE ENVIR					
			ONMENT.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	IMPACT OF RETROFI	140A/B ORBITER-BA	TO DISCOVER IF TH	HEAT-TRANS	0.01 /	LARC /	J. C. DUNAVANT/LA	DMS-DR-2454
CFHT -	TS FOR CENTER-OF-	SELINE	E RETROFIT MODIFI		10.3	LARC -	RC	VOLUME 03
114 /	GRAVITY EXTENSION	140A/B ORBITER WI	CATIONS, DEVELOPE			CONTINUOUS-FLO	J. W. BALL	APRIL, 1979
LA57	ON ORBITER THERM	TH S-2 FILLET	D TO INCREASE THE			W HYPERSONIC T	G. R. LUTZ	
TM-X	AL PROTECTION SYS	140A/B ORBITER WI	ALLOWABLE C.G. R			UNNEL	-DMS	
72661	TEM	TH C-4 CANARD	ANGE OF THE ORBIT					
			ER, WOULD ADVERSE					
			LY AFFECT THE TPS					
			ON THE ORBITER.					
			RESULTS SHOWED NO					
			SIGNIFICANT PROB					
			LEMS.					
AEDC -	RESULTS OF FLOW A	140C ORBITER WITH	TO DETERMINE THE	HEAT-TRANS	0.0175 /	ROCKWELL/	W.F. BRADDOCK/RI	DMS-DR-2455
HWTB -	NGULARITY TESTS O	SLAB SIDED VERTI	FLOW DIRECTION AT		8.0 -	AEDC -	J. E. VAUGHN	JUNE, 1979
41B-65 /	N A 0.0175-SCALE	CAL TAIL	THE SILTS LOCATI			HYPERSONIC WIN	G. R. LUTZ	
OH102A	SPACE SHUTTLE ORB		ON OF THE ORBITER			D TUNNEL (B)	-DMS	
CR-151,778	ITER MODEL (56-O)		VERTICAL TAIL LE					
	ON THE AEDC VKF		ADING EDGE					
	B HYPERSONIC WIND							
	TUNNEL (OH102A							
	)							
ARC -	RESULTS OF TESTS	0.03-SCALE SHUTTL	DISTRIBUTED CP ON	FORCE	0.03 /	ROCKWELL/	R.H. SPANGLER, J.	DMS-DR-2456
97SWT -	USING A 0.03-SCAL	E INTEGRATED VEHI	ELEMENTS + COMPO	PRESSURE	1.55 -	ARC -	J. DAILEDA/RI	VOLUME 01
347-1 /	E MODEL (47-OTS)	CLE 47-OTS	NENTS AFFECTED BY		2.50	9-FOOT BY 7-FO	D.W.HERSEY	SEPT., 1980
IA184	OF THE SPACE SHUT		ELEVON, WING LOA			OT SUPERSONIC	J. L. GLYNN	
CR-160,486	TLE INTEGRATED VE		D DATA, ORB. F+M			WIND TUNNEL (U	-DMS	
	HICLE IN THE NASA		DATA, ELEVON HING			NITARY)		
	/AMES RESEARCH CE		E MOMENTS, FOUR C					
	NTER 9X7 FOOT SUP		OMPONENT VT FORCE					
	ERSONIC WIND TUNN		DATA. SECONDARY-					
	EL (IA184)		CP DATA ON SIMUL					
			ATED AADS PROBE M					
			OUNTED IN NOSE OF					
			THE ET					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	0.03-SCALE SHUTTL	DISTRIBUTED CP ON	FORCE	0.03 /	ROCKWELL/	R.H. SPANGLER, J.	DMS-DR-2456
97SWT -	USING A 0.03-SCAL	E INTEGRATED VEHI	ELEMENTS + COMPO	PRESSURE	1.55 -	ARC -	J. DAILEDA/RI	VOLUME 02
347-1 /	E MODEL (47-OTS)	CLE 47-OTS	NENTS AFFECTED BY		2.50	9-FOOT BY 7-FO	D.W.HERSEY	SEPT., 1980
IA184	OF THE SPACE SHUT		ELEVON, WING LOA			OT SUPERSONIC	J. L. GLYNN	
CR-160,487	TLE INTEGRATED VE		D DATA, ORB. F+M			WIND TUNNEL (U	-DMS	
	HICLE IN THE NASA		DATA, ELEVON HING			NITARY)		
	/AMES RESEARCH CE		E MOMENTS, FOUR C					
	NTER 9X7 FOOT SUP		OMPONENT VT FORCE					
	ERSONIC WIND TUNN		DATA. SECONDARY-					
	EL (IA184)		CP DATA ON SIMUL					
			ATED AADS PROBE M					
			OUNTED IN NOSE OF					
			THE ET					
LARC -	RESULTS OF SHUTTL	EXTERNAL OXYGEN H	OBTAIN A HIGH SUP	FORCE	3.5 -	ROCKWELL/	R.R.BURROWS/R.I.	DMS-DR-2457
UPWT -	E TRANSPORTATION	YDROGEN TANK FORE	ERSONIC ASCENT AI		4.63	LARC -	W.CORLETTE/LARC	MARCH, 1981
1267 /	SYSTEM ASCENT AIR	BODY MODEL	R DATA SYSTEM (AA			UNITARY PLAN W	D.W.HERSEY	
IA180	DATA SYSTEM HIGH		DS) CALIBRATION;			IND TUNNEL	W. B. MEINDERS	
CR-160,813	SUPERSONIC CALIB		OBTAIN SHOCK DETA				-DMS	
	RATION TEST USING		CHMENT DIAGNOSTIC					
	THE 0.07-SCALE E		INFORMATION					
	XTERNAL OXYGEN HY							
	DROGEN TANK FOREB							
	ODY MODEL (68-T)							
	IN THE UNITARY PL							
	AN HIGH SPEED LEG							
	OF THE LARC 4X4							
	WIND TUNNEL (IA18							
	O)							
ARC -	SPACE SHUTTLE HRS	HRSI TILE PANEL	TO DETERMINE DYNA	PRESSURE	0.61-	ROCKWELL/	C. L. STEVENS, R.	DMS-DR-2458
11TWT -	I TILE TESTS OS36	CALIBRATION PANEL	MIC RESPONSE AND		2.50	ARC -	B. KINGSLAND/RI	NOV., 1983
369-1 /	AND OS37 IN THE		FAILURE CHARACTER			11-FOOT TRANSO	S. R. HOULIHAN	
97SWT -	NASA/AMES RESEARC		ISTICS INDUCED IN			NIC WIND TUNNE	B. J. BURST	
OS36/37	H CENTER 11X11-FO		HRSI TILES DUE T			L (UNITARY)	-DMS	
CR-167,668	OT AND 9X7-FOOT W		O COMBINED AERODY			9-FOOT BY 7-FO		
	IND TUNNELS USING		NAMIC AND STRUCTU			OT SUPERSONIC		
	TEST FIXTURES 96		RAL VIBRATION LOA			WIND TUNNEL (U		
	-O AND 81-O (OS36		DINGS			NITARY)		
	/37)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF THE AF	AFRSI SSV PRESSUR	AFRSI DETAILED EN	PRESSURE	0.035 /	ROCKWELL/	S.C.CARRION/ROCKW	DMS-DR-2459
11TWT -	RSI DETAILED-ENVI	E-LOADS MODEL 84-	VIRONMENT		0.60-	ARC -	ELL	VOLUME 01
587-1 /	RONMENT TEST OF T	O			3.50	11-FOOT TRANSO	D. E. POUCHER	AUGUST, 1984
OA310A	HE 0.035-SCALE SS					NIC WIND TUNNE	B. J. BURST	
OA310B	V PRESSURE-LOADS					L (UNITARY)	-DMS	
OA310C	MODEL 84-O IN THE							
CR-167,685	AMES 11X11 FT. T							
	WT AND THE LEWIS							
	8X6 FT. AND 10X10							
	FT. SWT (OA310A,							
	B,C)							
LERC -	RESULTS OF THE AF	AFRSI SSV PRESSUR	AFRSI DETAILED EN	PRESSURE	0.035 /	ROCKWELL/	S.C.CARRION/ROCKW	DMS-DR-2459
86SWT -	RSI DETAILED-ENVI	E-LOADS MODEL 84-	VIRONMENT		0.60-	ROCKWELL/	ELL	VOLUME 02
046 /	RONMENT TEST OF T	O			3.50	LERC -	D. E. POUCHER	AUGUST, 1984
LERC -	HE 0.035-SCALE SS					8 BY 6-FOOT SU	B. J. BURST	
10SWT -	V PRESSURE-LOADS					PERSONIC WIND	-DMS	
074 /	MODEL 84-O IN THE					TUNNEL		
OA310A	AMES 11X11 FT. T					LERC -		
OA310B	WT AND THE LEWIS					10 BY 10-FOOT		
OA310C	8X6 FT. AND 10X10					SUPERSONIC WIN		
CR-167,686	FT. SWT (OA310A,					D TUNNEL		
	B,C)							
ARC -	SPACE SHUTTLE TES	MODEL 58-O	TO INVESTIGATE TH	HEAT-TRANS	0.50 /	ROCKWELL/	P. L. LEMOINE/RI	DMS-DR-2461
3.5HWT -	TS OF TURBULENT B		ERMAL PROTECTION		7.0	ARC -	A. F. OKUNO/RI	MARCH, 1984
244 /	OUNDARY LAYER HEA		SYSTEM (TPS) TILE			3.5-FOOT HYPER	S. R. HOULIHAN	
IH51D	TING EFFECTS ON H		HEATING RATES US			SONIC WIND TUN	G. W. KLUG	
CR-167,677	ALF-SCALE TILE SI		ING A HALF-SCALE			NEL	-DMS	
	MULATION USING MO		TILE ARRAY WITH P					
	DEL 58-O IN THE N		ROVISIONS TO VARY					
	ASA/ARC 3.5-FOOT		TILE GAP, STEP H					
	HYPERSONIC WIND T		EIGHT, EDGE RADII					
	UNNEL (IH51D)		AND FLOW ORIENTA					
			TION					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF SUPERS	ET FOREBODY (T41)	THE TEST OBJECTIV	FORCE	0.07,	ROCKWELL/	J. GAWIENOWSKI, J	DMS-DR-2462
97SWT -	ONIC ASCENT AIR D	- LOUVERS OPEN, C	E WAS TO OBTAIN A		0.36/	ARC -	. BROWNSON /ARC	VOLUME 01
283-1 /	ATA SYSTEM CALIBR	T FAIRING AND GO2	SUPERSONIC CALIB		1.55 -	9-FOOT BY 7-FO	R.R. BURROWS, W.R	MARCH, 1983
87SWT -	ATION TESTS IA131	LINE INSTALLED	RATION OF THE ASC		3.5	OT SUPERSONIC	. CARLSON /RI	
IA131B/C	B/C USING THE 0.0	ET FOREBODY (T41)	ENT AIR DATA SYST			WIND TUNNEL (U	S. R. HOULIHAN	
CR-167,370	7-SCALE EXTERNAL	- LOUVERS OPEN, C	EMS (AADS) THROUG			NITARY)	G. W. KLUG	
	TANK FOREBODY MOD	T,FAIRING, AND GO	H THE MACH RANGE			8-FOOT BY 7-FO	-DMS	
	EL 68-T IN THE AR	2 LINE REMOVED	OF 1.55 THROUGH 3			OT SUPERSONIC		
	C 9X7 AND 8X7 LEG	ET FOREBODY (T41)	.5.			WIND TUNNEL (U		
	S OF THE AMES UNI	- LOUVERS FILLED,				NITARY)		
	TARY PLAN WIND TU	CT, FAIRING AND						
	NNEL	GO2 LINE REMOVED						
		ROSEMONT STATIC P						
		ROBE (PR12) + 0.3						
		6 SCALE FTP (PR4)						
		-T41 OUT OF TUNN.						
ARC -	RESULTS OF SUPERS	ET FOREBODY (T41)	THE TEST OBJECTIV	FORCE	0.07,	ROCKWELL/	J. GAWIENOWSKI, J	DMS-DR-2462
97SWT -	ONIC ASCENT AIR D	- LOUVERS OPEN, C	E WAS TO OBTAIN A		0.36/	ARC -	. BROWNSON /ARC	VOLUME 02
283-1 /	ATA SYSTEM CALIBR	T FAIRING AND GO2	SUPERSONIC CALIB		1.55 -	9-FOOT BY 7-FO	R.R. BURROWS, W.R	MARCH, 1983
87SWT -	ATION TESTS IA131	LINE INSTALLED	RATION OF THE ASC		3.5	OT SUPERSONIC	. CARLSON /RI	
IA131B/C	B/C USING THE 0.0	ET FOREBODY (T41)	ENT AIR DATA SYST			WIND TUNNEL (U	S. R. HOULIHAN	
CR-167,371	7-SCALE EXTERNAL	- LOUVERS OPEN, C	EMS (AADS) THROUG			NITARY)	G. W. KLUG	
	TANK FOREBODY MOD	T,FAIRING, AND GO	H THE MACH RANGE			8-FOOT BY 7-FO	-DMS	
	EL 68-T IN THE AR	2 LINE REMOVED	OF 1.55 THROUGH 3			OT SUPERSONIC		
	C 9X7 AND 8X7 LEG	ET FOREBODY (T41)	.5.			WIND TUNNEL (U		
	S OF THE AMES UNI	- LOUVERS FILLED,				NITARY)		
	TARY PLAN WIND TU	CT, FAIRING AND						
	NNEL	GO2 LINE REMOVED						
		ROSEMONT STATIC P						
		ROBE (PR12) + 0.3						
		6 SCALE FTP (PR4)						
		-T41 OUT OF TUNN.						

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	SPACE SHUTTLE LRS	107-0 LRSI TILE P	TO OBTAIN PERFORM	PRESSURE	0.76 -	ROCKWELL/	R.B. KINGSLAND/RO	DMS-DR-2463
11TWT -	I TPS TILE TESTS	ANEL	ANCE CHARACTERIST		0.87	ARC -	CKWELL	NOV., 1983
380-1 /	OS41,OS42 AND OS4		ICS OF DAMAGED LR			11-FOOT TRANSO	S. R. HOULIHAN	
381-1 /	5 IN THE NASA/AME		SI TILE AND MINI-			NIC WIND TUNNE	H. C. ZIMMERLE	
OS41	S RESEARCH CENTER		TILE WHEN SUBJECT			L (UNITARY)	-DMS	
OS42	11X11-FOOT WIND		ED TO TRANSONIC S					
OS45	TUNNEL USING MODE		HOCK AND TURBULEN					
CR-167,672	L 107-0 (OS41,OS4		T FLOW ENVIRONMEN					
	2 AND OS45)		T					
AEDC -	RESULTS OF HEAT T	B62C12ES2F10M16V3	TO DETERMINE AERO	HEAT-TRANS	0.0175/	ROCKWELL/	J.W.FOUST AND A.C	DMS-DR-2464
HWTB -	RANSFER TEST IN T	OW127 (56-0)	DYNAMIC HEATING O		3.01-	AEDC -	.MANSFIELD/RI	VOLUME 01
V41B-67 /	HE ARNOLD ENGINEE		N THE SPACE SHUTT		8.0	HYPERSONIC WIN	K.W.NUTT/VKFADP,A	AUGUST, 1981
OH84B	RING DEVELOPMENT		LE ORBITER WHERE			D TUNNEL (B)	EDC	
CR-160,828	CENTER-VON KARMAN		DATA EXTRAPOLATIO				T. L. MULKEY	
	FACILITY TUNNELS		N OR ANALYTICAL P				G. W. KLUG	
	A AND B UTILIZIN		REDICTIONS WERE N				-DMS	
	G SPACE SHUTTLE O		OT FEASIBLE OR DI					
	RBITER THIN SKIN		D NOT EXIST. ALSO					
	THERMOCOUPLE MODE		TO OBTAIN LIMITE					
	LS 56-0, 60-0, AN		D YAW DATA AND OB					
	D 83-0 TESTS: OH		TAIN CONTINGENCY					
	84B, OH 105, IH-1		ABORT TRAJECTORY					
	02		DATA					
AEDC -	RESULTS OF HEAT T	B62C12ES2F10M16V3	TO DETERMINE AERO	HEAT-TRANS	0.0175/	ROCKWELL/	J.W.FOUST AND A.C	DMS-DR-2464
HWTB -	RANSFER TEST IN T	OW127 (56-0)	DYNAMIC HEATING O		3.01-	AEDC -	.MANSFIELD/RI	VOLUME 02
V41B-67 /	HE ARNOLD ENGINEE		N THE SPACE SHUTT		8.0	HYPERSONIC WIN	K.W.NUTT/VKFADP,A	AUGUST, 1981
OH84B	RING DEVELOPMENT		LE ORBITER WHERE			D TUNNEL (B)	EDC	
CR-160,829	CENTER-VON KARMAN		DATA EXTRAPOLATIO				T. L. MULKEY	
	FACILITY TUNNELS		N OR ANALYTICAL P				G. W. KLUG	
	A AND B UTILIZIN		REDICTIONS WERE N				-DMS	
	G SPACE SHUTTLE O		OT FEASIBLE OR DI					
	RBITER THIN SKIN		D NOT EXIST. ALSO					
	THERMOCOUPLE MODE		TO OBTAIN LIMITE					
	LS 56-0, 60-0, AN		D YAW DATA AND OB					
	D 83-0 TESTS: OH		TAIN CONTINGENCY					
	84B, OH 105, IH-1		ABORT TRAJECTORY					
	02		DATA					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF HEAT T	B62C12ES2F10M16V3	TO DETERMINE AERO	HEAT-TRANS	0.0175/	ROCKWELL/	J.W.FOUST AND A.C	DMS-DR-2464
HWTB -	RANSFER TEST IN T	OW127 (56-0)	DYNAMIC HEATING O		3.01-	AEDC -	.MANSFIELD/RI	VOLUME 03
V41B-67 /	HE ARNOLD ENGINEE		N THE SPACE SHUTT		8.0	HYPERSONIC WIN	K.W.NUTT/VKFADP,A	AUGUST, 1981
OH84B	RING DEVELOPMENT		LE ORBITER WHERE			D TUNNEL (B)	EDC	
CR-160,830	CENTER-VON KARMAN		DATA EXTRAPOLATIO				T. L. MULKEY	
	FACILITY TUNNELS		N OR ANALYTICAL P				G. W. KLUG	
	A AND B UTILIZIN		REDICTIONS WERE N				-DMS	
	G SPACE SHUTTLE O		OT FEASIBLE OR DI					
	RBITER THIN SKIN		D NOT EXIST. ALSO					
	THERMOCOUPLE MODE		TO OBTAIN LIMITE					
	LS 56-0, 60-0, AN		D YAW DATA AND OB					
	D 83-0 TESTS: OH		TAIN CONTINGENCY					
	84B, OH 105, IH-1		ABORT TRAJECTORY					
	02		DATA					
AEDC -	RESULTS OF HEAT T	B62C12ES2F10M16V3	TO DETERMINE AERO	HEAT-TRANS	0.0175/	ROCKWELL/	J.W.FOUST AND A.C	DMS-DR-2464
HWTB -	RANSFER TEST IN T	OW127 (56-0)	DYNAMIC HEATING O		3.01-	AEDC -	.MANSFIELD/RI	VOLUME 04
V41B-67 /	HE ARNOLD ENGINEE		N THE SPACE SHUTT		8.0	HYPERSONIC WIN	K.W.NUTT/VKFADP,A	AUGUST, 1981
OH84B	RING DEVELOPMENT		LE ORBITER WHERE			D TUNNEL (B)	EDC	
CR-160,831	CENTER-VON KARMAN		DATA EXTRAPOLATIO				T. L. MULKEY	
	FACILITY TUNNELS		N OR ANALYTICAL P				G. W. KLUG	
	A AND B UTILIZIN		REDICTIONS WERE N				-DMS	
	G SPACE SHUTTLE O		OT FEASIBLE OR DI					
	RBITER THIN SKIN		D NOT EXIST. ALSO					
	THERMOCOUPLE MODE		TO OBTAIN LIMITE					
	LS 56-0, 60-0, AN		D YAW DATA AND OB					
	D 83-0 TESTS: OH		TAIN CONTINGENCY					
	84B, OH 105, IH-1		ABORT TRAJECTORY					
	02		DATA					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF HEAT T	B62C12E52F10M16R1	TO DETERMINE AERO	HEAT-TRANS	0.0175/	ROCKWELL/	J.W.FOUST AND A.C	DMS-DR-2464
HWTB -	RANSFER TEST IN T	8V8W116T38S26 (6	DYNAMIC HEATING O		3.01-	AEDC -	.MANSFIELD/RI	VOLUME 05
V41B-67 /	HE ARNOLD ENGINEE	O-0)	N THE SPACE SHUTT		8.0	HYPERSONIC WIN	K.W.NUTT/VKFADP,A	AUGUST, 1981
OH105	RING DEVELOPMENT		LE ORBITER WHERE			D TUNNEL (B)	EDC	
CR-160,832	CENTER-VON KARMAN		DATA EXTRAPOLATIO				T. L. MULKEY	
	FACILITY TUNNELS		N OR ANALYTICAL P				G. W. KLUG	
	A AND B UTILIZIN		REDICTIONS WERE N				-DMS	
	G SPACE SHUTTLE O		OT FEASIBLE OR DI					
	RBITER THIN SKIN		D NOT EXIST. ALSO					
	THERMOCOUPLE MODE		TO OBTAIN LIMITE					
	LS 56-0, 60-0, AN		D YAW DATA AND OB					
	D 83-0 TESTS: OH		TAIN CONTINGENCY					
	84B, OH 105, IH-1		ABORT TRAJECTORY					
	02		DATA					
AEDC -	RESULTS OF HEAT T	B60C10 (83-0)	TO DETERMINE AERO	HEAT-TRANS	0.040/	ROCKWELL/	J.W.FOUST AND A.C	DMS-DR-2464
SWTA -	RANSFER TEST IN T		DYNAMIC HEATING O		3.01-	AEDC -	.MANSFIELD/RI	VOLUME 06
V41A-67 /	HE ARNOLD ENGINEE		N THE SPACE SHUTT		8.0	SUPERSONIC WIN	K.W.NUTT/VKFADP,A	AUGUST, 1981
IH102	RING DEVELOPMENT		LE ORBITER WHERE			D TUNNEL (A)	EDC	
CR-160,833	CENTER-VON KARMAN		DATA EXTRAPOLATIO				T. L. MULKEY	
	FACILITY TUNNELS		N OR ANALYTICAL P				G. W. KLUG	
	A AND B UTILIZIN		REDICTIONS WERE N				-DMS	
	G SPACE SHUTTLE O		OT FEASIBLE OR DI					
	RBITER THIN SKIN		D NOT EXIST. ALSO					
	THERMOCOUPLE MODE		TO OBTAIN LIMITE					
	LS 56-0, 60-0, AN		D YAW DATA AND OB					
	D 83-0 TESTS: OH		TAIN CONTINGENCY					
	84B, OH 105, IH-1		ABORT TRAJECTORY					
	02		DATA					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	AERODYNAMIC VENTI	81-0 HRSI TILE PA	TO DEFINE AND UND	PRESSURE	1.72-	ROCKWELL/	R. B. KINGSLAND,R	DMS-DR-2465
97SWT -	NG CHARACTERISTIC	NEL	ERSTAND THE SURFA		2.50	ARC -	OCKWELL	MARCH, 1984
464 /	S TESTS OF FULL-S		CE AND INTERNAL P			9-FOOT BY 7-FO	S. R. HOULIHAN	
OS55/57	CALE SPACE SHUTTL		RESSURE RELATIONS			OT SUPERSONIC	B. J. BURST	
CR-167,674	E MODEL 81-0 HRSI		HIPS FOR UNDENSIF			WIND TUNNEL (U	-DMS	
	TPS TILES UNDER		IED TILES			NITARY)		
	A SIMULATED LAUNC							
	H ENVIRONMENT IN							
	THE NAS /ARC 9X7-							
	FOOT WIND TUNNEL							
	(OS55/57)							
LARC -	RESULTS OF INVEST	B75,C16,E64,F16,M	TO OBTAIN 6-COMPO	FORCE	0.010 /	ROCKWELL/	M.E. NICHOLS/RI	DMS-DR-2466
20HT6 -	IGATIONS OF THE O	52,N108,N110,N111	NENT VEHICLE FORC		6.0-	LARC -	R.L. CALLOWAY/LAR	VOLUME 01
6559 /	.010-SCALE OV-102	,R20,V27,W131	E AND MOMENT DATA		8.0	20-INCH HYPERS	C	JULY, 1983
OA257	CONFIGURATION SP		, BASE AND STING-			ONIC TUNNEL (M	J. E. VAUGHN	
CR-167,663	ACE SHUTTLE VEHIC		CAVITY PRESSURE D			ACH 6)	G. W. KLUG	
	LE ORBITER MODEL		ATA, AND SPECIAL				-DMS	
	72-0 IN THE NASA/		THERMOCOUPLE DATA					
	LANGLEY RESEARCH		FROM THE MODEL					
	CENTER 20-INCH MA							
	CH 6 TUNNEL (OA25							
	7)							
LARC -	RESULTS OF INVEST	B75,C16,E64,F16,M	TO OBTAIN 6-COMPO	FORCE	0.010 /	ROCKWELL/	M.E. NICHOLS/RI	DMS-DR-2466
20HT6 -	IGATIONS OF THE O	52,N108,N110,N111	NENT VEHICLE FORC		6.0-	LARC -	R.L. CALLOWAY/LAR	VOLUME 02
6559 /	.010-SCALE OV-102	,R20,V27,W131	E AND MOMENT DATA		8.0	20-INCH HYPERS	C	JULY, 1983
OA257	CONFIGURATION SP		, BASE AND STING-			ONIC TUNNEL (M	J. E. VAUGHN	
CR-167,664	ACE SHUTTLE VEHIC		CAVITY PRESSURE D			ACH 6)	G. W. KLUG	
TM-X	LE ORBITER MODEL		ATA, AND SPECIAL				-DMS	
4	72-0 IN THE NASA/		THERMOCOUPLE DATA					
	LANGLEY RESEARCH		FROM THE MODEL					
	CENTER 20-INCH MA							
	CH 6 TUNNEL (OA25							
	7)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 3.5HWT - 245 / IH103 CR-160,834	RESULTS OF AEROTHERMODYNAMIC HEAT TRANSFER TESTS ON 0.0175-SCALE MODELS 60-OT AND 56-0/60T CONDUCTED IN THE NASA/AMES RESEARCH CENTER 3.5-FOOT HYPERSONIC WIND TUNNEL (IH103)	60-OT 56-0/60T	TO OBTAIN AERODYNAMIC HEAT TRANSFER DATA ON THE 56-0/60T ORBITER FUSELAGE AND ON THE 60-OT ORBITER FUSELAGE, WING, VERTICAL TAIL, AND OMS POD DURING SECOND STAGE FLIGHT	HEAT-TRANS	0.0175 / 5.25 - 5.25	ROCKWELL/ ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	J. MARROQUIN, RI S. R. HOULIHAN B. J. BURST -DMS	DMS-DR-2467 AUGUST, 1981
ARC - 3.5HWT - 247 / 246 / OH105B OH84C CR-167,352	RESULTS OF A HEAT TRANSFER TEST SERIES IN THE NASA/ARC 3.5 FOOT HYPERSONIC WIND TUNNEL UTILIZING SPACE SHUTTLE ORBITER THIN-SKIN THERMOCOUPLE MODELS 60-0 AND 83-0(TESTS OH84C AND OH105B)	ORBITER	TO DETERMINE AEROHEATING ON THE ORBITER AT ATTITUDES WHERE DATA DID NOT EXIST AND WHERE DATA EXTRAPOLATION OF ANALYTICAL PREDICTIONS WAS NOT FEASIBLE	HEAT-TRANS	5.3 - 7.3	ROCKWELL/ ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	S. R. HOULIHAN B. J. BURST -DMS	DMS-DR-2468 JUNE, 1982
ARC - 11TWT - 503-1 / OS302A CR-167,367	SPACE SHUTTLE AFRSI LARGE-SCALE DEVELOPMENT TEST USING MODEL 117-0 SPECIMENS AND MODEL 96-0 TEST FIXTURE IN THE AMES RESEARCH CENTER 11X11-FOOT TRANSONIC WIND TUNNEL (OS302A)		TO SUBJECT LARGE-SCALE SPECIMENS OF ADVANCED FLEXIBLE REUSABLE SURFACE INSULATION (AFRSI) TO SSV ASCENT AERODYNAMIC PRESSURE GRADIENT LOADINGS & TURBULENCE LEVELS FOR TIME DURATIONS EQUIVALENT TO 100 MISSIONS WITH A SCATTER OF FOUR (400 MISSIONS).	PRESSURE	0.80- 0.88	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	J.G.R. COLLETTE/RI R.B. KINGSLAND/RI S. R. HOULIHAN G. R. LUTZ -DMS	DMS-DR-2469 JUNE, 1982

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 145-1 / OS31A CR-167,658	SPACE SHUTTLE LRSI THIN TILE TEST IN THE NASA/AMES RESEARCH CENTER 11X11-FOOT UNITARY PLAN WIND TUNNEL USING TEST FIXTURE 96-0 (OS31A)	LRSI (THIN TILE)	TO EVALUATE THE EFFECTS OF AN EXPANSION/RECOMPRESSION SHOCK ON A SAMPLE OF LOW TEMPERATURE REUSABLE SURFACE INSULATION (LRSI) THIN TILES SIMULATING THE REGION OF THE SPACE SHUTTLE ORBITER OVER THE CANOPY.	PRESSURE	0.83- 0.88	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	R.B. KINGSLAND/ROCKWELL C. BERTHOLD/ROCKWELL S. R. HOULIHAN G. R. LUTZ -DMS	DMS-DR-2470 AUGUST, 1983
LARC - 16TT - 341 / LA132 CR-160,514	RESULTS OF TESTS ON A .02 SCALE SPACE SHUTTLE LAUNCH VEHICLE MODEL (89OTS) IN THE LARC 16-FT TRANSONIC WIND TUNNEL TO DETERMINE PRESSURE DISTRIBUTION ALONG THE EXTERNAL TANK LOX CABLE TRAY (LA132)	LAUNCH VEHICLE - 89OTS	TO DETERMINE PRESSURE DISTRIBUTION ALONG THE EXTERNAL TANK LOX CABLE TRAY	PRESSURE	.02 / 1.1 - 1.25	LARC / LARC - 16-FOOT TRANSONIC TUNNEL	W.I. SCALLION/LARC J. E. VAUGHN C. R. EDWARDS -DMS	DMS-DR-2471 JAN., 1981
AEDC - SWTA - V41B-65 / OH400 CR-160,494	RESULTS OF AN ORBITER SILTS POD HEAT TRANSFER AND FLOW FIELD TEST USING A 0.0175-SCALE SPACE SHUTTLE ORBITER(92-0) IN THE AEDC VKF HYPERSONIC WIND TUNNEL B (OH400)	B75C16E64F16M52W131V29 B75C16E64F16M52W131V31	TO MEASURE HEAT TRANSFER COEFFICIENTS ON THE SILTS TAIL CONFIGURATION OF A SCALED SPACE SHUTTLE ORBITER MODEL	PRESSURE		ROCKWELL/ AEDC - SUPERSONIC WIND TUNNEL (A)	J.A.COLLINS/RI K.W.NUTT/ARO,INC J. E. VAUGHN M. M. MANN -DMS	DMS-DR-2472 MAY, 1980

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	AERODYNAMIC LOADS	TPS TILE CAVITY F	TO DETERMINE PRES	PRESSURE		ROCKWELL/	R.B.KINGSLAND,RI	DMS-DR-2473
22TWT -	TEST OF 0.66-SCA	LOW FIELD MODEL	. DISTRIBUTIONS F			ARC -	J. E. VAUGHN	VOLUME 01
382-1 /	LE SPACE SHUTTLE		OR THE OML, TILE			2-FOOT BY 2-FO	B. J. BURST	JAN., 1983
OA252	ORBITER TILE ARRA		CAVITY AND ON SID			OT TRANSONIC W	-DMS	
CR-167,388	Y MODEL (106-0) I		ES OF TILE SURROU			IND TUNNEL		
	N THE NASA/ARC 2-		NDING CAVITY; TO					
	FOOT TRANSONIC WI		OBTAIN PRES. VARI					
	ND TUNNEL (OA252)		ATIONS DUE TO TIL					
			E HEIGHT MISMATCH					
			,VARIATIONS IN GA					
			P WIDTH, AND VARI					
			ATION IN RN/FT AN					
			D BOUNDARY LAYER					
			THICKNESS					
ARC -	AERODYNAMIC LOADS	TPS TILE CAVITY F	TO DETERMINE PRES	PRESSURE		ROCKWELL/	R.B.KINGSLAND,RI	DMS-DR-2473
22TWT -	TEST OF 0.66-SCA	LOW FIELD MODEL	. DISTRIBUTIONS F			ARC -	J. E. VAUGHN	VOLUME 02
382-1 /	LE SPACE SHUTTLE		OR THE OML, TILE			2-FOOT BY 2-FO	B. J. BURST	JAN., 1983
OA252	ORBITER TILE ARRA		CAVITY AND ON SID			OT TRANSONIC W	-DMS	
CR-167,389	Y MODEL (106-0) I		ES OF TILE SURROU			IND TUNNEL		
	N THE NASA/ARC 2-		NDING CAVITY; TO					
	FOOT TRANSONIC WI		OBTAIN PRES. VARI					
	ND TUNNEL (OA252)		ATIONS DUE TO TIL					
			E HEIGHT MISMATCH					
			,VARIATIONS IN GA					
			P WIDTH, AND VARI					
			ATION IN RN/FT AN					
			D BOUNDARY LAYER					
			THICKNESS					
MSFC -	RESULTS OF TESTS	ORBITER ALONE	DETERMINE WAYS TO	FORCE	.004 /	MSFC /	W.F. BRADDOCK/LMS	DMS-DR-2474
14TWT -	ON A .004 SCALE S	LAUNCH CONFIGURAT	ALLEVIATE O/ET F		0.60 -	MSFC -	C	JULY, 1981
656 /	PACE SHUTTLE LAUN	ION (NO PROTUBERA	WD AATTACH POINT		1.25	14-INCH TRISON	J. E. VAUGHN	
FA28	CH CONFIGURATION	NCES ON ET)	LOADS			IC WIND TUNNEL	G. R. LUTZ	
CR-160,826	(MODEL 74-OTS) IN	LAUNCH CONFIGURAT	VERIFY PREVIOUS D				-DMS	
	THE NASA/MSFC 14	ION	ATA OBTAINED AT A					
	-INCH TRISONIC WI		EDC					
	ND TUNNEL (FA28)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	PRESSURE DISTRIBU	LAUNCH VEHICLE (8	DETERMINE DETAILE	PRESSURE	0.02 /	LARC /	W.I.SCALLION/LARC	DMS-DR-2475
16TT -	TION AND INTEGRAT	9-OTS)	D MEASUREMENTS OF		0.9-	LARC -	J. E. VAUGHN	AUGUST, 1980
342 /	ED LOADS AT FOUR		PRESSURES ON THE		1.25	16-FOOT TRANSO	G. W. KLUG	
LA140	STATIONS ON THE S		LOX FEEDLINE AT			NIC TUNNEL	-DMS	
CR-160,509	PACE SHUTTLE TANK		FOUR STATIONS					
	LOX FEEDLINE (LA							
	140)							
LARC -	RESULTS OF INVEST	ORBITER 74-0	TO (1)DETERMINE O	FORCE	0.004 /	LARC /	R.L. CALLOWAY/LAR	DMS-DR-2477
20HT6 -	IGATIONS ON AN O.		RBITER DIRECTIONA		6.0 -	LARC -	C	JUNE, 1981
6546 /	004-SCALE 140C MO		L STABILITY AND C		6.0	20-INCH HYPERS	J. E. VAUGHN	
LA141A/B	DIFIED CONFIGURAT		ONTROL CHARACTERI			ONIC TUNNEL (M	C. R. EDWARDS	
CR-160,825	ION SPACE SHUTTLE		STICS FROM 20-40			ACH 6)	-DMS	
	VEHICLE ORBITER		ANGLE OF ATTACK					
	MODEL (74-0) IN T		(2)TEST ANGLES OF					
	HE NASA/LANGLEY R		ATTACK AND SIDES					
	ESEARCH CENTER 20		LIP FOR CONTINGEN					
	-INCH MACH 6 TUNN		CY ABORT, (3)TEST					
	EL (LA141)		SMALL NEGATIVE A					
			NGLE OF ATTACK IN					
			CREMENTS TO VERIF					
			Y OTHER RESULTS (					
			4)VALIDATE MACH=6					
			DATA					
LARC -	HIGH SUPERSONIC R	B75C16E64F16FR22H	THE TEST OBJECTIV	FORCE	0.2/	LARC /	BERNARD SPENCER J	DMS-DR-2478
UPWT -	UDDER EFFECTIVENE	G1M52N108N109N110	ES WERE TO DEFINE		2.-	LARC -	R./LARC	VOLUME 01
1299 /	SS AND EFFECT OF	N111R20V27	ORB RUDDER EFFEC		5 4.	UNITARY PLAN W	GEORGE M. WARE/LA	AUGUST, 1980
LA131	SILTS POD ON A O.	VT10VT11VT12VT13V	TIVENESS, DETERMI			IND TUNNEL	RC	
CR-160,503	20-SCALE (REMOTEL	T14VT15VT16VT17W1	NE AERO DIFF. BET				G. W. KLUG	
	Y DRIVEN CONTROL	31	WEEN FILLED AND S				-DMS	
	SURFACE) MODEL 10		CALED OPEN SPEEDB					
	6-0 SPACE SHUTTLE		RAKE, DETERMINE E					
	ORBITER TESTED I		FFECT OF SILTS PO					
	N THE NASA/LARC 4		D ON AERO CHAR. O					
	-FOOT UNITARY PLA		F THE ORBITER, SU					
	N WIND TUNNEL (LA		PPLEMENT CONTROL					
	131)		EFFECTIVENESS DAT					
			A					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	HIGH SUPERSONIC R	B75C16E64F16FR22H	THE TEST OBJECTIV	FORCE	0.2/	LARC /	BERNARD SPENCER J	DMS-DR-2478
UPWT -	UDDER EFFECTIVENE	G1M52N108N109N110	ES WERE TO DEFINE		2.-	LARC -	R./LARC	VOLUME 02
1299 /	SS AND EFFECT OF	N111R20V27	ORB RUDDER EFFEC		5 4.	UNITARY PLAN W	GEORGE M. WARE/LA	AUGUST, 1980
LA131	SILTS POD ON A 0.	VT10VT11VT12VT13V	TIVENESS, DETERMI			IND TUNNEL	RC	
CR-160,504	20-SCALE (REMOTEL	T14VT15VT16VT17W1	NE AERO DIFF. BET				G. W. KLUG	
	Y DRIVEN CONTROL	31	WEEN FILLED AND S				-DMS	
	SURFACE) MODEL 10		CALED OPEN SPEEDB					
	6-0 SPACE SHUTTLE		RAKE, DETERMINE E					
	ORBITER TESTED I		FFECT OF SILTS PO					
	N THE NASA/LARC 4		D ON AERO CHAR. O					
	-FOOT UNITARY PLA		F THE ORBITER, SU					
	N WIND TUNNEL (LA		PPLEMENT CONTROL					
	131)		EFFECTIVENESS DAT					
			A					
LARC -	HIGH SUPERSONIC R	B75C16E64F16FR22H	THE TEST OBJECTIV	FORCE	0.2/	LARC /	BERNARD SPENCER J	DMS-DR-2478
UPWT -	UDDER EFFECTIVENE	G1M52N108N109N110	ES WERE TO DEFINE		2.-	LARC -	R./LARC	VOLUME 03
1299 /	SS AND EFFECT OF	N111R20V27	ORB RUDDER EFFEC		5 4.	UNITARY PLAN W	GEORGE M. WARE/LA	AUGUST, 1980
LA131	SILTS POD ON A 0.	VT10VT11VT12VT13V	TIVENESS, DETERMI			IND TUNNEL	RC	
CR-160,505	20-SCALE (REMOTEL	T14VT15VT16VT17W1	NE AERO DIFF. BET				G. W. KLUG	
	Y DRIVEN CONTROL	31	WEEN FILLED AND S				-DMS	
	SURFACE) MODEL 10		CALED OPEN SPEEDB					
	6-0 SPACE SHUTTLE		RAKE, DETERMINE E					
	ORBITER TESTED I		FFECT OF SILTS PO					
	N THE NASA/LARC 4		D ON AERO CHAR. O					
	-FOOT UNITARY PLA		F THE ORBITER, SU					
	N WIND TUNNEL (LA		PPLEMENT CONTROL					
	131)		EFFECTIVENESS DAT					
			A					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF HEAT T	ORBITER+TANK	TO OBTAIN CONVECT	PRESSURE	0.0175 /	ROCKWELL/	C.L.BERTHOLD,RI	DMS-DR-2480
3.5HWT -	RANSFER TESTS ON		IVE HEAT-TRANSFER		5.3 -	ARC -	J.R.NAKAMOTO,RI	AUGUST, 1983
250 /	THE SPACE SHUTTLE		RATE DISTRIBUTIO		7.3	3.5-FOOT HYPER		
IH104	SECOND STAGE ASC		NS ON THE UPPER B			SONIC WIND TUN		
CR-167,657	ENT VEHICLE AT FR		ARREL OF THE SPAC			NEL		
	EESTREAM MACH=5.3		E SHUTTLE EXTERNA					
	AND 7.3 IN THE N		L TANK FOR SECOND					
	ASA/ARC 3.5-FOOT		STAGE ASCENT CON					
	HWT USING THE 0.0		DITIONS AT ATTITU					
	175-SCALE MODEL 6		DES NOT ATTAINED					
	0-OT(IH104)		DURING PREVIOUS T					
			ESTS					
MSFC -	RESULTS OF TESTS	OTS (MODEL 74)	TO DETERMINE INCR	FORCE	0.004 /	ROCKWELL/	J. E. VAUGHN	DMS-DR-2481
14TWT -	IN THE NASA/MSFC	OTS + LBM	EMENTAL AERODYNAM		0.60 -	MSFC -	G. R. LUTZ	JUNE, 1983
665 /	14-INCH TRISONIC	OTS + LBM + FAIRI	IC LOADS WITH & W		4.96	14-INCH TRISON	-DMS	
IA602	WIND TUNNEL ON A	NG	ITHOUT THE THRUST			IC WIND TUNNEL		
CR-167,377	0.004-SCALE MODEL	OTS + LBM + WAX F	AUGMENTATION PROV					
	(74-OTS) THRUST	AIRING	IDED BY THE LIQUI					
	AUGMENTED SPACE S		D BOOST MODULE.					
	HUTTLE INTEGRATED							
	VEHICLE (IA602)							
ARC -	RESULTS OF TESTS	ORBITER - 470	TO OBTAIN AIRLOAD	FORCE	.03 /	ROCKWELL/	R. SPANGLER AND A	DMS-DR-2482
11TWT -	FOR FORCE, MOMENT		S INFORMATION WIT	PRESSURE	.6 -	ARC -	. KANEVSKY/R.I.	VOLUME 01
427-1 /	, PRESSURE AND AE		H AND WITHOUT SIL		1.4	11-FOOT TRANSO	S. R. HOULIHAN	JAN., 1981
427-2 /	ROELASTIC DATA US		TS POD, OBTAIN OV			NIC WIND TUNNE	C. R. EDWARDS	
OA400	ING THE 0.030 SCA		102 WING DISTRIBU			L (UNITARY)	-DMS	
CR-160,814	LE PRESSURE LOADS		TED AIRLOADS, OBT					
	SPACE SHUTTLE OR		AIN ELEVON DISTRI					
	BITER MODEL (47-0		BUTED AIRLOADS AN					
	) IN THE NASA/ARC		D HINGE MOMENTS,					
	11 FOOT UNITARY		AND TO DETERMINE					
	PLAN WIND TUNNEL,		EFFECT OF VERTICA					
	(OA400)		L TAIL AEROELASTI					
			CITY ON LATERAL-D					
			IRECTIONAL CHARAC					
			TERISTICS OF THE					
			ORBITER VEHICLE					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF TESTS	ORBITER - 470	TO OBTAIN AIRLOAD	FORCE	.03 /	ROCKWELL/	R. SPANGLER AND A	DMS-DR-2482
11TWT -	FOR FORCE, MOMENT		S INFORMATION WIT	PRESSURE	.6 -	ARC -	. KANEVSKY/R.I.	VOLUME 02
427-1 /	, PRESSURE AND AE		H AND WITHOUT SIL		1.4	11-FOOT TRANSO	S. R. HOULIHAN	JAN., 1981
427-2 /	ROELASTIC DATA US		TS POD, OBTAIN OV			NIC WIND TUNNE	C. R. EDWARDS	
0A400	ING THE 0.030 SCA		102 WING DISTRIBU			L (UNITARY)	-DMS	
CR-160,815	LE PRESSURE LOADS		TED AIRLOADS, OBT					
	SPACE SHUTTLE OR		AIN ELEVON DISTRI					
	BITER MODEL (47-0		BUTED AIRLOADS AN					
	(IN THE NASA/ARC		D HINGE MOMENTS,					
	11 FOOT UNITARY		AND TO DETERMINE					
	PLAN WIND TUNNEL,		EFFECT OF VERTICA					
	(0A400)		L TAIL AEROELASTI					
			CITY ON LATERAL-D					
			IRECTIONAL CHARAC					
			TERISTICS OF THE					
			ORBITER VEHICLE					
ARC -	RESULTS OF TESTS	ORBITER - 470	TO OBTAIN AIRLOAD	FORCE	.03 /	ROCKWELL/	R. SPANGLER AND A	DMS-DR-2482
11TWT -	FOR FORCE, MOMENT		S INFORMATION WIT	PRESSURE	.6 -	ARC -	. KANEVSKY/R.I.	VOLUME 03
427-1 /	, PRESSURE AND AE		H AND WITHOUT SIL		1.4	11-FOOT TRANSO	S. R. HOULIHAN	JAN., 1981
427-2 /	ROELASTIC DATA US		TS POD, OBTAIN OV			NIC WIND TUNNE	C. R. EDWARDS	
0A400	ING THE 0.030 SCA		102 WING DISTRIBU			L (UNITARY)	-DMS	
CR-160,816	LE PRESSURE LOADS		TED AIRLOADS, OBT					
	SPACE SHUTTLE OR		AIN ELEVON DISTRI					
	BITER MODEL (47-0		BUTED AIRLOADS AN					
	(IN THE NASA/ARC		D HINGE MOMENTS,					
	11 FOOT UNITARY		AND TO DETERMINE					
	PLAN WIND TUNNEL,		EFFECT OF VERTICA					
	(0A400)		L TAIL AEROELASTI					
			CITY ON LATERAL-D					
			IRECTIONAL CHARAC					
			TERISTICS OF THE					
			ORBITER VEHICLE					

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AEDC -	RESULTS OF A TEST		TO CERTIFY THE TP	FORCE	1.0 /	ROCKWELL/	S.C. CARRION/RI	DMS-DR-2483
PWT16T -	OF THE FULL-SCAL		S TILES COVERING		0.80-	AEDC -	C.L. STEVENS/RI	VOLUME 01
TF-556 /	E NASA ORBITER VE		THE FIN/RUDDER GA		1.40	TRANSONIC PROP	S. R. HOULIHAN	JUNE, 1982
0S49	RTICAL TAIL (MODE		P REGION OF THE N			ULSION WIND TU	G. R. LUTZ	
CR-167,357	L 111-0) IN THE A		ASA ORBITER VERTI			NNEL (PWT-16T)	-DMS	
	EDC 16 FOOT PROPU		CAL TAIL.					
	LSION WIND TUNNEL							
	(0S49)							
AEDC -	RESULTS OF A TEST		TO CERTIFY THE TP	FORCE	1.0 /	ROCKWELL/	S.C. CARRION/RI	DMS-DR-2483
PWT16T -	OF THE FULL-SCAL		S TILES COVERING		0.80-	AEDC -	C.L. STEVENS/RI	VOLUME 02
TF-556 /	E NASA ORBITER VE		THE FIN/RUDDER GA		1.40	TRANSONIC PROP	S. R. HOULIHAN	JUNE, 1982
0S49	RTICAL TAIL (MODE		P REGION OF THE N			ULSION WIND TU	G. R. LUTZ	
CR-167,358	L 111-0) IN THE A		ASA ORBITER VERTI			NNEL (PWT-16T)	-DMS	
	EDC 16 FOOT PROPU		CAL TA269					
	LS23[%2[& 1[[]6							
	,3\49.							
ARC -	RESULTS OF VENT P	CALIBRATION PANEL	DETERMINE AIRLOAD	PRESSURE	FULL /	ROCKWELL/	R. B. KINGSLAND/R	DMS-DR-2485
11TWT -	ORT TPS LOADS TES	HRSI PANEL	S DISTRIBUTION ON	FORCE	0. -	ARC -	OCKWELL	JUNE, 1982
425 /	TS IN THE AMES RE	FRSI PANEL	TPS MATERIAL ARO		1.4	11-FOOT TRANSO	S. R. HOULIHAN	
425-1 /	SEARCH CENTER (AR		UND VENT PORTS W/			NIC WIND TUNNE	B. J. BURST	
0S50	C) 11X11-FOOT WIN		AND W/O JET MASS			L (UNITARY)	-DMS	
0S50A	D TUNNEL USING MO		FLOW, AND TO CER					
CR-167,361	DEL 113-0 (0S50/0		TIFY HRSI TILES A					
	S50A)		ND FRSI TO 1.4 T1					
			MES DESIGN DYNAMI					
			C PRESSURES(ULTIM					
			ATE) AIRLOADS					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF WIND T	B64C14E63F14M18N9	TO DETERMINE THE	PRESSURE	0.035 /	ROCKWELL/	J.A. BLACK/ARVIN/	DMS-DR-2486
PWT16T -	UNNEL TEST OA253	2N94R18U2V23W129	STATIC & FLUCTUAT		0.6-	AEDC -	CALSPAN	VOLUME 01
572 /	IN THE AEDC 16-T	S28	ING PRESSURE ENVI		1.50	TRANSONIC PROP	R.R. BURROWS/RI	OCT., 1982
OA253	PROPULSION WIND T	T40	RONMENT FOR CERTI			ULSION WIND TU	S. R. HOULIHAN	
CR-167,368	UNNEL USING A 0.0		FYING THERMAL PRO			NNEL (PWT-16T)	G. W. KLUG	
	35-SCALE SS LAUNC		TECTION SYSTEM (T				-DMS	
	H VEHICLE MODEL 8		PS) TILES IN CONT					
	4-OTS & ENTRY VEH		ROL SURFACE GAPS					
	ICLE MODEL 84-0		ON THE WING & VER					
			TICAL TAIL, & TO					
			PROVIDE STATIC PR					
			ESSURE DATA FOR A					
			IRLOADS ANALYSIS					
			OF WINDSHIELD,ELE					
			VON/WING TIP,ETC.					
AEDC -	RESULTS OF WIND T	B64C14E63F14M18N9	TO DETERMINE THE	PRESSURE	0.035 /	ROCKWELL/	J.A. BLACK/ARVIN/	DMS-DR-2486
PWT16T -	UNNEL TEST OA253	2N94R18U2V23W129	STATIC & FLUCTUAT		0.6-	AEDC -	CALSPAN	VOLUME 02
572 /	IN THE AEDC 16-T	S28	ING PRESSURE ENVI		1.50	TRANSONIC PROP	R.R. BURROWS/RI	OCT., 1982
OA253	PROPULSION WIND T	T40	RONMENT FOR CERTI			ULSION WIND TU	S. R. HOULIHAN	
CR-167,369	UNNEL USING A 0.0		FYING THERMAL PRO			NNEL (PWT-16T)	G. W. KLUG	
	35-SCALE SS LAUNC		TECTION SYSTEM (T				-DMS	
	H VEHICLE MODEL 8		PS) TILES IN CONT					
	4-OTS & ENTRY VEH		ROL SURFACE GAPS					
	ICLE MODEL 84-0		ON THE WING & VER					
			TICAL TAIL, & TO					
			PROVIDE STATIC PR					
			ESSURE DATA FOR A					
			IRLOADS ANALYSIS					
			OF WINDSHIELD,ELE					
			VON/WING TIP,ETC.					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF AMES G	HRSI TILED PANEL	TO DEMONSTRATE TH	PRESSURE	.70-	ROCKWELL/	R.B. KINGSLAND/RO	DMS-DR-2487
11TWT -	AP FILLER TESTS U		AT THE TILES AND		.88	ARC -	CKWELL	OCT., 1982
380-1 /	SING TEST FIXTURE		GAP FILLERS REMAI			11-FOOT TRANSO	S. R. HOULIHAN	
436-1,3 /	96-0 IN THE NASA		NED ATTACHED TO T			NIC WIND TUNNE	G. R. LUTZ	
OS43	/AMES 11X11-FOOT		HE STRUCTURE UNDE			L (UNITARY)	-DMS	
OS51	TUNNEL (OS43,OS51		R SIMULATED FLIGH					
OS51B	,OS51B,OS51C)		T ENVIRONMENTS					
OS51C								
CR-167,362								
ARC -	PRELIMINARY SCREE	AFRSI PANEL	GATHER INFORMATIO	PRESSURE	0.8 -	ROCKWELL/	R. B. KINGSLAND,J	DMS-DR-2488
22TWT -	NING TESTS OF THE	CALIBRATION PANEL	N TO AID IN THE S		1.4	ARC -	. GEE, RI	SEPT., 1981
458 /	SPACE SHUTTLE AF		ELECTION OF AFRSI			2-FOOT BY 2-FO	S. R. HOULIHAN	
OS300	RSI MATERIAL USIN		BLANKET CONFIGUR			OT TRANSONIC W	B. J. BURST	
CR-160,835	G MODEL 115-0 IN		ATION SUITABLE FO			IND TUNNEL	-DMS	
	THE NASA/AMES RES		R SUBSEQUENT MATE					
	EARCH CENTER 2X2		RIAL CHARACTERIZA					
	FOOT TRANSONIC WI		TION AND SYSTEM Q					
	ND TUNNEL (OS300)		UALIFICATION TEST					
			PROGRAMS					
AEDC -	RESULTS OF A WIND		TO DETERMINE THE	PRESSURE	1.0 /	ROCKWELL/	R.H. SPANGLER/RI	DMS-DR-2489
PWT16T -	TUNNEL TEST ON T		BREAK-AWAY CHARAC		0.0-	AEDC -	R.G. MEYER/CALSPA	JUNE, 1982
TF-608 /	HE SPACE SHUTTLE		TERISTICS OF THE		0.4	TRANSONIC PROP	N	
OS56	UMBILICAL PURGE C		SS ORBITER UMBILI			ULSION WIND TU	S. R. HOULIHAN	
CR-167,366	URTAIN IN THE AED		CAL PURGE CURTAIN			NNEL (PWT-16T)	G. R. LUTZ	
	C 16-T PROPULSION		DURING LAUNCH.				-DMS	
	WIND TUNNEL (PWT							
	), USING MODEL 10							
	8-0 (OS56)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	TEST RESULTS FROM	60-O	TO OBTAIN ADDITIO	PRESSURE	0.0175 ,	ROCKWELL/	JIM A. COLLINS, J	DMS-DR-2490
HWTB -	THE NASA/ROCKWEL	56-O	NAL AERODYNAMIC H		0.04 /	AEDC -	IM GEE, ROCKWELL	VOLUME 01
V41B-G9 /	L INTERNATIONAL S	83-O	EATING DATA IN FI		8.0 -	HYPERSONIC WIN	KENNETH W. NUTT,	JULY, 1982
OH109	PACE SHUTTLE 0.01		NER DETAIL THAN P		8.0	D TUNNEL (B)	AEDC(CALSPAN)	
CR-167,349	75-SCALE ORBITER		REVIOUSLY TESTED				S. R. HOULIHAN	
	MODELS 56-O/60-O		FOR ORBITER STS-1				B. J. BURST	
	AND 0.04-SCALE OR		ENTRY YAW ANGLES				-DMS	
	BITER FOREBODY MO							
	DEL 83-O CONDUCTE							
	D IN THE AEDC/VKF							
	-B 50-INCH HYPERS							
	ONIC WIND TUNNEL							
	(TESTS OH109 & OH							
	109B)							
AEDC -	TEST RESULTS FROM	60-O	TO OBTAIN ADDITIO	PRESSURE	0.0175 ,	ROCKWELL/	JIM A. COLLINS, J	DMS-DR-2490
HWTB -	THE NASA/ROCKWEL	56-O	NAL AERODYNAMIC H		0.04 /	AEDC -	IM GEE, ROCKWELL	VOLUME 02
V41B-G9 /	L INTERNATIONAL S	83-O	EATING DATA IN FI		8.0 -	HYPERSONIC WIN	KENNETH W. NUTT,	JULY, 1982
OH109	PACE SHUTTLE 0.01		NER DETAIL THAN P		8.0	D TUNNEL (B)	AEDC(CALSPAN)	
CR-167,350	75-SCALE ORBITER		REVIOUSLY TESTED				S. R. HOULIHAN	
	MODELS 56-O/60-O		FOR ORBITER STS-1				B. J. BURST	
	AND 0.04-SCALE OR		ENTRY YAW ANGLES				-DMS	
	BITER FOREBODY MO							
	DEL 83-O CONDUCTE							
	D IN THE AEDC/VKF							
	-B 50-INCH HYPERS							
	ONIC WIND TUNNEL							
	(TESTS OH109 & OH							
	109B)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTB - V41B-G9 / OH109 CR-167,351	TEST RESULTS FROM THE NASA/ROCKWEL L INTERNATIONAL S PACE SHUTTLE 0.01 75-SCALE ORBITER MODELS 56-0/60-0 AND 0.04-SCALE OR BITER FOREBODY MO DEL 83-0 CONDUCTE D IN THE AEDC/VKF -B 50-INCH HYPERS ONIC WIND TUNNEL (TESTS OH109 & OH 109B)	60-0 56-0 83-0	TO OBTAIN ADDITIO NAL AERODYNAMIC H EATING DATA IN FI NER DETAIL THAN P REVIOUSLY TESTED FOR ORBITER STS-1 ENTRY YAW ANGLES	PRESSURE	0.0175 , 0.04 / 8.0 - 8.0	ROCKWELL/ AEDC - HYPERSONIC WIN D TUNNEL (B)	JIM A. COLLINS, J IM GEE, ROCKWELL KENNETH W. NUTT, AEDC(CALSPAN) S. R. HOULIHAN B. J. BURST -DMS	DMS-DR-2490 VOLUME 03 JULY, 1982
AEDC - HWTB - V41B-HO / OA258 CR-167,659	RESULTS OF INVEST IGATIONS ON THE 0 .020-SCALE OV-102 CONFIGURATION SP ACE SHUTTLE VEHIC LE ORBITER MODEL 106-0 IN THE USAF /AEDC VKF TUNNEL B (OA258)	B75C16E64F16FD3FR 22HG1M52N108N109N 110N111R20V27VT10 VT11VT12VT13VT14V T15VT16VT17W131	TO VERIFY ORBITER STATIC STABILITY CHARACTERISTICS, THE LATERAL DIRE CTIONAL TRIM LIMI TS IN THE MACH 6 TO 8 REGIME, TO I NVESTIGATE THE HY PERSONIC STABILIT Y-DERIVATIVE ANOM ALIES ENCOUNTERED IN TESTS LA141 & LA144, & PROVIDE HIGH-ACCURACY FO RCE & MOMENT HYPE RSONIC DATA	FORCE	0.020 / 6.0	ROCKWELL/ AEDC - HYPERSONIC WIN D TUNNEL (B)	R.H. BURT/ARVIN/C ALSPAN A.C. MANSFIELD/RI ,MSFC S. R. HOULIHAN G. W. KLUG -DMS	DMS-DR-2491 VOLUME 01 SEPT., 1983

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF INVEST	B75C16E64F16FD3FR	TO VERIFY ORBITER	FORCE	0.020 /	ROCKWELL/	R.H. BURT/ARVIN/C	DMS-DR-2491
HWTB -	IGATIONS ON THE O	22HG1M52N108N109N	STATIC STABILITY		6.0	AEDC -	ALSPAN	VOLUME 02
V41B-HO /	.020-SCALE OV-102	110N111R20V27VT10	CHARACTERISTICS,			HYPERSONIC WIN	A.C. MANSFIELD/RI	SEPT., 1983
OA258	CONFIGURATION SP	VT11VT12VT13VT14V	THE LATERAL DIRE			D TUNNEL (B)	,MSFC	
CR-167,660	ACE SHUTTLE VEHIC	T15VT16VT17W131	CTIONAL TRIM LIMI				S. R. HOULIHAN	
	LE ORBITER MODEL		TS IN THE MACH 6				G. W. KLUG	
	106-0 IN THE USAF		TO 8 REGIME, TO I				-DMS	
	/AEDC VKF TUNNEL		NVESTIGATE THE HY					
	B (OA258)		PERSONIC STABILIT					
			Y-DERIVATIVE ANOM					
			ALIES ENCOUNTERED					
			IN TESTS LA141 &					
			LA144, & PROVIDE					
			HIGH-ACCURACY FO					
			RCE & MOMENT HYPE					
			RSONIC DATA					
AEDC -	RESULTS OF INVEST	B75C16E64F16FD3FR	TO VERIFY ORBITER	FORCE	0.020 /	ROCKWELL/	R.H. BURT/ARVIN/C	DMS-DR-2491
HWTB -	IGATIONS ON THE O	22HG1M52N108N109N	STATIC STABILITY		6.0	AEDC -	ALSPAN	VOLUME 03
V41B-HO /	.020-SCALE OV-102	110N111R20V27VT10	CHARACTERISTICS,			HYPERSONIC WIN	A.C. MANSFIELD/RI	SEPT., 1983
OA258	CONFIGURATION SP	VT11VT12VT13VT14V	THE LATERAL DIRE			D TUNNEL (B)	,MSFC	
CR-167,661	ACE SHUTTLE VEHIC	T15VT16VT17W131	CTIONAL TRIM LIMI				S. R. HOULIHAN	
	LE ORBITER MODEL		TS IN THE MACH 6				G. W. KLUG	
	106-0 IN THE USAF		TO 8 REGIME, TO I				-DMS	
	/AEDC VKF TUNNEL		NVESTIGATE THE HY					
	B (OA258)		PERSONIC STABILIT					
			Y-DERIVATIVE ANOM					
			ALIES ENCOUNTERED					
			IN TESTS LA141 &					
			LA144, & PROVIDE					
			HIGH-ACCURACY FO					
			RCE & MOMENT HYPE					
			RSONIC DATA					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF INVEST	B75C16E64F16FD3FR	TO VERIFY ORBITER	FORCE	0.020 /	ROCKWELL/	R.H. BURT/ARVIN/C	DMS-DR-2491
HWTB -	IGATIONS ON THE O	22HG1M52N108N109N	STATIC STABILITY		6.0	AEDC -	ALSPAN	VOLUME 04
V41B-HO /	.020-SCALE OV-102	110N111R20V27VT10	CHARACTERISTICS,			HYPERSONIC WIN	A.C. MANSFIELD/RI	SEPT., 1983
OA258	CONFIGURATION SP	VT11VT12VT13VT14V	THE LATERAL DIRE			D TUNNEL (B)	,MSFC	
CR-167,662	ACE SHUTTLE VEHIC	T15VT16VT17W131	CTIONAL TRIM LIMI				S. R. HOULIHAN	
	LE ORBITER MODEL		TS IN THE MACH 6				G. W. KLUG	
	106-O IN THE USAF		TO 8 REGIME, TO I				-DMS	
	/AEDC VKF TUNNEL		NVESTIGATE THE HY					
	B (OA258)		PERSONIC STABILIT					
			Y-DERIVATIVE ANOM					
			ALIES ENCOUNTERED					
			IN TESTS LA141 &					
			LA144, & PROVIDE					
			HIGH-ACCURACY FO					
			RCE & MOMENT HYPE					
			RSONIC DATA					
AEDC -	RESULTS OF THE SS	OV-102 (RIGHT HAN	ELEVON GAP HEATIN	HEAT-TRANS	0.025 /	ROCKWELL/	J. COLLINS/RI	DMS-DR-2492
HWTB -	V ELEVON GAP HEAT	D WING AND TRUNCA	G RATES		8.0 -	AEDC -	S. R. HOULIHAN	JUNE, 1982
V43B-17 /	ING TESTS USING T	TED AFT FUSELAGE)			8.0	HYPERSONIC WIN	H. C. ZIMMERLE	
OH107	HE 0.025-SCALE SP					D TUNNEL (B)	-DMS	
CR-167,359	ACE SHUTTLE ORBIT							
	ER MODEL (94-O) I							
	N THE AEDC/VKF HY							
	PERSONIC WIND TUN							
	NEL B (OH107)							
AEDC -	RESULTS OF INVEST	B75,C16,E64,F16,M	TO CONTINUE INVES	FORCE	0.010 /	ROCKWELL/	R.H. BURT,W. CROS	DMS-DR-2493
HWTB -	IGATIONS OF THE O	52,N108,N109,N110	TIGATIONS OF THE		6.0-	AEDC -	BY,J.T. BEST/AEDC	VOLUME 01
V42B-145 /	.010-SCALE OV-102	,N111,R20,V27,W13	MACH 6 TO 8 LATER			HYPERSONIC WIN	/CALSPAN	AUGUST, 1983
V43B-14 /	CONFIGURATION SP	1	AL DIRECTIONAL ST			D TUNNEL (B)	R.H. SPANGLER,M.E	
OA259	ACE SHUTTLE VEHIC		ABILITY ANOMALIES				. NICHOLS/RI	
CR-167,665	LE ORBITER MODEL		ORIGINALLY ENCOU				S. R. HOULIHAN	
	72-O IN THE NASA/		NTERED IN TESTS L				G. W. KLUG	
	AEDC VKF TUNNEL B		A141,LA144, AND O				-DMS	
	(OA259)		A258					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF INVEST	B75,C16,E64,F16,M	TO CONTINUE INVES	FORCE	0.010 /	ROCKWELL/	R.H. BURT,W. CROS	DMS-DR-2493
HWTB -	IGATIONS OF THE 0	52,N108,N109,N110	TIGATIONS OF THE		6.0-	AEDC -	BY,J.T. BEST/AEDC	VOLUME 02
V42B-145 /	.010-SCALE OV-102	,N111,R20,V27,W13	MACH 6 TO 8 LATER			HYPERSONIC WIN	/CALSPAN	AUGUST, 1983
V43B-14 /	CONFIGURATION SP	1	AL DIRECTIONAL ST			D TUNNEL (B)	R.H. SPANGLER,M.E	
OA259	ACE SHUTTLE VEHIC		ABILITY ANOMALIES				. NICHOLS/RI	
CR-167,666	LE ORBITER MODEL		ORIGINALLY ENCOU				S. R. HOULIHAN	
	72-0 IN THE NASA/		NTERED IN TESTS L				G. W. KLUG	
	AEDC VKF TUNNEL B		A141,LA144, AND O				-DMS	
			A258					
ARC -	AERODYNAMIC HEATI	OV-102 ELEVON GAP	ELEVON/ELEVON GAP	PRESSURE	0.10 /	ROCKWELL/	C. L. BERTHOLD/RI	DMS-DR-2494
3.5HWT -	NG TESTS OF A 0.1		AND STUB HEATING		7.3 -	ARC -	S. R. HOULIHAN	JUNE, 1982
254 /	0-SCALE SS ORBITE		DISTRIBUTION		7.3	3.5-FOOT HYPER	H. C. ZIMMERLE	
OH108	R ELEVON/ELEVON G					SONIC WIND TUN	-DMS	
CR-167,360	AP MODEL 93-0 IN					NEL		
	THE NASA/ARC 3.5							
	FOOT HYPERSONIC W							
	IND TUNNEL (OH108							
	)							
ARC -	TEST RESULTS FROM	56-0	OBTAIN ORBITER HE	PRESSURE	0.0175 ,	ROCKWELL/	C. L. BERTHOLD,J.	DMS-DR-2495
3.5HWT -	THE NASA/ROCKWEL	60-0	ATING DATA TO EST		0.04 /	ARC -	GEE,ROCKWELL	OCT., 1981
253 /	L INTERNATIONAL S	83-0	ABLISH MACH NUMBE		5.3 -	3.5-FOOT HYPER	S. R. HOULIHAN	
OH110	PACE SHUTTLE 0.01		R SENSITIVITY OF		7.3	SONIC WIND TUN	B. J. BURST	
CR-160,844	75-SCALE ORBITER		ORBITER IN YAW			NEL	-DMS	
	MODELS 56-0/60-0							
	AND THE 0.04-SCAL							
	E ORBITER FOREBOD							
	Y MODEL 83-0 COND							
	UCTED IN THE NASA							
	/ARC 3.5-FOOT HYP							
	ERSONIC WIND TUNN							
	EL (TEST OH110)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	RESULTS OF THE TR	0.0175-SCALE 56-0	TO OBTAIN HEAT TR	HEAT-TRANS	8.0-	ROCKWELL/	C. L. BERTHOLD/RI	DMS-DR-2496
HWTB -	ANSATLANTIC ABORT	0.0175-SCALE 60-0	ANSFER DATA ON OR		8.0	AEDC -	S. R. HOULIHAN	VOLUME 01
V41B-1C /	MANEUVER TEST(OH	0.04-SCALE FOREBO	BITER AT ATTITUDE			HYPERSONIC WIN	B. J. BURST	NOV., 1982
OH111	111) USING THE O.	DY 83-0	S THAT WOULD BE E			D TUNNEL (B)	-DMS	
CR-167,380	0175-SCALE 56-0 A		NCOUNTERED IN A T					
	ND 60-0, AND THE		RANSATLANTIC ABOR					
	O.04-SCALE 83-0 T		T MANEUVER					
	HIN SKIN THERMOCO							
	UPLE MODELS IN TH							
	E AEDC VKF TUNNEL							
	B HYPERSONIC WIN							
	D TUNNEL(OH111)							
AEDC -	RESULTS OF THE TR	0.0175-SCALE 56-0	TO OBTAIN HEAT TR	HEAT-TRANS	8.0-	ROCKWELL/	C. L. BERTHOLD/RI	DMS-DR-2496
HWTB -	ANSATLANTIC ABORT	0.0175-SCALE 60-0	ANSFER DATA ON OR		8.0	AEDC -	S. R. HOULIHAN	VOLUME 02
V41B-1C /	MANEUVER TEST(OH	0.04-SCALE FOREBO	BITER AT ATTITUDE			HYPERSONIC WIN	B. J. BURST	NOV., 1982
OH111	111) USING THE O.	DY 83-0	S THAT WOULD BE E			D TUNNEL (B)	-DMS	
CR-167,381	0175-SCALE 56-0 A		NCOUNTERED IN A T					
	ND 60-0, AND THE		RANSATLANTIC ABOR					
	O.04-SCALE 83-0 T		T MANEUVER					
	HIN SKIN THERMOCO							
	UPLE MODELS IN TH							
	E AEDC VKF TUNNEL							
	B HYPERSONIC WIN							
	D TUNNEL(OH111)							
AEDC -	RESULTS OF THE TR	0.0175-SCALE 56-0	TO OBTAIN HEAT TR	HEAT-TRANS	8.0-	ROCKWELL/	C. L. BERTHOLD/RI	DMS-DR-2496
HWTB -	ANSATLANTIC ABORT	0.0175-SCALE 60-0	ANSFER DATA ON OR		8.0	AEDC -	S. R. HOULIHAN	VOLUME 03
V41B-1C /	MANEUVER TEST(OH	0.04-SCALE FOREBO	BITER AT ATTITUDE			HYPERSONIC WIN	B. J. BURST	NOV., 1982
OH111	111) USING THE O.	DY 83-0	S THAT WOULD BE E			D TUNNEL (B)	-DMS	
CR-167,382	0175-SCALE 56-0 A		NCOUNTERED IN A T					
	ND 60-0, AND THE		RANSATLANTIC ABOR					
	O.04-SCALE 83-0 T		T MANEUVER					
	HIN SKIN THERMOCO							
	UPLE MODELS IN TH							
	E AEDC VKF TUNNEL							
	B HYPERSONIC WIN							
	D TUNNEL(OH111)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	RESULTS OF SPACE	102 (PRELIMINARY)	RCS JET INTERACTI	FORCE	0.0125 /	ROCKWELL/	J. MARROQUIN/RI	DMS-DR-2498
UPWT -	SHUTTLE ORBITER (		ON EFFECTS		2.5 -	LARC -	J. J. DAILEDA/RI	AUGUST, 1983
1311 /	MODEL 70-0) LATE				4.5	UNITARY PLAN W	S. R. HOULIHAN	
16TT -	ENTRY RCS YAW JET					IND TUNNEL	J. E. VAUGHN	
1358 /	EFFECTS TESTS IN					16-FOOT TRANSO	-DMS	
0A255	THE NASA/LARC UP					NIC TUNNEL		
0A256	WT AND 16-FT. WIN							
CR-167,656	D TUNNELS (0A255/							
	0A256)							
ARC -	RESULTS OF TESTS	B69C14DT1E54F14FD	MEASURE TURBULENC	PRESSURE	0.36 /	ROCKWELL/	T.J. DZIUBALA,R.R	DMS-DR-2499
40SWT -	USING A 0.36-SCAL	1FD2FR12HA1HG1M18	E IN WAKE OF ORB		0.07 -	ARC -	. BURROWS,J.MARRO	AUGUST, 1981
473 /	E MODEL (76-0) OF	N92N94N107PR1R18V	FUSELAGE USING HF		0.26	40-FOOT BY 80-	QUIN/RI	
0A164	THE SSV ORBITER	23VT1VT2W129	A;DETERMINE RN/L			FOOT SUBSONIC	S. R. HOULIHAN	
CR-160,836	101 IN THE NASA/A		DEPENDENCE ON ORB			WIND TUNNEL	G. R. LUTZ	
	MES RESEARCH CENT		WAKE CHARACTERIS				-DMS	
	ER 40X80-FOOT SUB		TICS,AND ABILTIY					
	SONIC WIND TUNNEL		OF TAILCONE/SCOOP					
	(0A164)		S TO REDUCE TURBU					
			LENCE;AND TO OBTA					
			IN FLIGHT TEST PR					
			OBE DATA W/WO A T					
			AILCONE					
ARC -	PHASE II SCREENIN	115-0 AFRSI MATER	TO CONTINUE THE S	PRESSURE	0.85 -	ROCKWELL/	J. G. R. COLLETTE	DMS-DR-2500
22TWT -	G TEST OF AFRSI M	IAL PANELS	CREENING PROCESS		1.1	ARC -	/RI	DEC., 1981
467-1 /	ATERIAL USING MOD		INITIATED ON OS30			2-FOOT BY 2-FO	S. R. HOULIHAN	
OS301	EL 115-0 IN THE A		O BY INVESTIGATIN			OT TRANSONIC W	G. R. LUTZ	
CR-160,848	MES RESEARCH CENT		G THE RELATIVE DU			IND TUNNEL	-DMS	
	ER 2X2-FOOT TRANS		RABILITY OF VARIO					
	ONIC WIND TUNNEL		US CONFIGURATIONS					
	(OS301)		OF AFRSI					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 501-1 / OS304A CR-167,373	SPACE SHUTTLE AFRSI OMS PODS/JOINTS DEVELOPMENT TEST USING MODEL 116-0 SPECIMENS & MODEL 96-0 TEST FIXTURE IN THE AMES RESEARCH CENTER 11X11-FOOT TRANSONIC WIND TUNNEL (OS304A)		TO SUBJECT ADVANCED FLEXIBLE REUSABLE SURFACE INSULATION(AFRSI) SPECIMENS TO AN ENVIRONMENT SIMULATING THE FLOW CHARACTERISTICS ENCOUNTERED AT THE OMS PODS OF THE SSV DURING ASCENT, & TO EVALUATE THE AFRSI JOINTS IN THIS ENVIRONMENT	PRESSURE	0.76- 0.88	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	J.G.R. COLLETTE/RI J.M. RIVIN/RI S. R. HOULIHAN G. R. LUTZ -DMS	DMS-DR-2501 OCT., 1982
ARC - 97SWT - 501-1 / OS304B CR-167,378	SPACE SHUTTLE AFRSI OMS PODS/JOINTS DEVELOPMENT TEST USING MODEL 116-0 SPECIMENS AND MODEL 81-0 TEST FIXTURE IN THE AMES RESEARCH CENTER 9X7-FOOT SUPERSONIC WIND TUNNEL (OS304B)		TO SUBJECT ADVANCED FLEXIBLE REUSABLE SURFACE INSULATION (AFRSI) SPECIMENS TO AN ENVIRONMENT SIMULATING THE FLOW CHARACTERISTICS ENCOUNTERED AT THE OMS PODS OF THE SSV DURING ASCENT & TO EVALUATE THE AFRSI JOINTS IN THIS ENVIRONMENT	PRESSURE	1.8	ROCKWELL/ ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	J.G.R. COLLETTE/RI S. R. HOULIHAN G. R. LUTZ -DMS	DMS-DR-2502 AUGUST, 1982

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC -	RESULTS OF COMBIN	20A	TO VERIFY THAT TP	PRESSURE	0.6-	ROCKWELL/	W.I. WATSON/LARC	DMS-DR-2503
8TPT -	ED LOADS ORBITER	20C	S TILES REMAIN AT		1.1	LARC -	R.R. BURROWS/RI	JULY, 1982
905,6,7,9/	TEST (CLOT) IN TH	20D (NOT TESTED)	TACHED TO FLIGHT			8-FOOT TRANSON	S. R. HOULIHAN	
OS53A	E NASA/LARC 8-FOO		STRUCTURE UNDER A			IC PRESSURE TU	G. R. LUTZ	
OS53B	T TPT USING THREE		SCENT CONDITIONS;			NNEL	-DMS	
CR-167,363	CONFIGURATION 20		COMPARE MEASURED					
	TPS FLOW TEST PA		& PREDICTED TILE					
	NELS (OS53A/B)		& SIP LOADS & TI					
			LE RESPONSES; & D					
			ETERMINE TILE ROU					
			GHNESS AFTER SING					
			LE & REPEATED MIS					
			SIONS					
ARC -	SPACE SHUTTLE AFR		TO SUBJECT LARGE-	PRESSURE	1.8	ROCKWELL/	J.G.R. COLLETTE/R	DMS-DR-2504
97SWT -	SI LARGE-SCALE DE		SCALE SPECIMENS O			ARC -	I	SEPT., 1982
503-1 /	VELOPMENT TEST US		F ADVANCED FLEXIB			9-FOOT BY 7-FO	S. R. HOULIHAN	
OS302B	ING MODEL 117-0 S		LE REUSABLE SURFA			OT SUPERSONIC	G. R. LUTZ	
CR-167,379	PECIMENS AND MODE		CE INSULATION (AF			WIND TUNNEL (U	-DMS	
	L 81-0 TEST FIXTU		RSI) TO SS ORBITE			NITARY)		
	RE IN THE AMES RE		R ASCENT AERODYNA					
	SEARCH CENTER 9X		MIC PRESSURE GRAD					
	7-FOOT SUPERSONIC		IENT LOADINGS & T					
	WIND TUNNEL (OS3		URBULENCE LEVELS					
	02B)		FOR TIME DURATION					
			S EQUIVALENT TO 1					
			00 MISSIONS WITH					
			A SCATTER OF FOUR					
			(400 MISSIONS)					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - PWT16T - TF-551 / 0S46A-G CR-167,376	RESULTS OF ASCENT AERODYNAMIC LOADING TESTS OF THE SS THERMAL PROTECTION SYSTEM (TPS) IN & AROUND THE ORBITER/ET UMBILICAL DOOR & CAVITY, USING MODELS 108-0 & 1090 IN THE AEDC 16-T PROPULSION WIND TUNNEL (0S46A-G)		TO DETERMINE THE TRANSONIC FLOW EFFECTS ON THE TPS TILES, DOOR & CAVITY THERMAL BARRIERS, FOAM ON THE UMBILICAL, PRESSURE SEAL, CLOSEOUT CURTAIN, & DOOR FLOW RESTRICTOR	PRESSURE	1.15	ROCKWELL/ AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T)	R.G. MEYER/ARVIN/CALSPAN R.R. BURROWS/RI S. R. HOULIHAN G. R. LUTZ -DMS	DMS-DR-2505 AUGUST, 1982
ARC - 11TWT - 500,07,31/ 97SWT - 0S60,1,2,3 CR-167,384	GAP FILLER REUSE TESTS OF FULL-SCALE SPACE SHUTTLE ORBITER TILE ARRAY MODELS IN THE NASA/ARC 9X7-FOOT AND 11-FOOT UNITARY PLAN WIND TUNNEL (0S60,0S61A,0S61B,0S62,0S62A, AND 0S63)			PRESSURE		ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	L.P. LEBLANC/ROCKWELL S. R. HOULIHAN G. R. LUTZ -DMS	DMS-DR-2506 DEC., 1982
ARC - 11TWT - 510-1 / 97SWT - MA33A/B CR-167,683	RESULTS OF INVESTIGATIONS OF THE SPACE SHUTTLE ORBITER ONE-QUARTER-HERTZ OSCILLATION ANOMALY IN THE NASA/AMES RESEARCH CENTER 11X11-FOOT AND 9X7-FOOT WIND TUNNELS USING 0.02-SCALE MODEL 106-0 (MA33A/B)	ORBITER MODEL 106-0	TO CHECK THE RUDDER AND AILERON EFFECTIVENESS AND THE ORBITER LATERAL/DIRECTIONAL HYSTERESIS, AND TO PROVIDE INFORMATION TO AID IN UNDERSTANDING STS 1-3 ONE-QUARTER-HERTZ ANOMALY	FORCE	0.02 / 0.-6 2.	ROCKWELL/ ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	R. H. SPANGLER/RI R. P. CLARK/RI S. R. HOULIHAN B. J. BURST -DMS	DMS-DR-2507 MARCH, 1984

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	SPACE SHUTTLE AFR	FIXTURE 96-0	TO EVALUATE DESIG	PRESSURE	0.08 -	ROCKWELL/	B.A. MARSHALL/RI	DMS-DR-2508
11TWT -	SI DESIGN CRITERI	FIXTURE 81-0	N/ENGINEERING CON		1.8	ARC -	R.B. KINGSLAND/RI	JAN., 1983
548-1 /	A DEVELOPMENT TES		CEPTS FOR APPLICA			11-FOOT TRANSO	S. R. HOULIHAN	
97SWT -	TS IN THE NASA/AM		TION AND REPAIR O			NIC WIND TUNNE	G. R. LUTZ	
OS306A/B	ES RESEARCH CENTE		F THE ADVANCED FL			L (UNITARY)	-DMS	
CR-167,650	R 11X11-FOOT AND		EXIBLE REUSABLE S			9-FOOT BY 7-FO		
	9X7-FOOT WIND TUN		URFACE INSULATION			OT SUPERSONIC		
	NELS USING MODEL		(AFRSI) BLANKET			WIND TUNNEL (U		
	23-0 (OS306A/B)		MATERIAL ON SPACE			NITARY)		
			SHUTTLE ORBITER					
			(OV103) AND TO SU					
			PPORT THE AFRSI C					
			ERTIFICATION PROG					
			RAM					
ARC -	SPACE SHUTTLE FRC	FLAT PANEL W/FRCI	TO OBTAIN VENTING	PRESSURE	.78-	ROCKWELL/	B.A. MARSHALL/RI	DMS-DR-2509
11TWT -	I-12 TPS TILE VEN	-12 TILES	CHARACTERISTICS		1.80	ARC -	R.B. KINGSLAND/RI	DEC., 1982
549-1 /	TING TEST IN THE		AND INTERNAL PRES			11-FOOT TRANSO	S. R. HOULIHAN	
97SWT -	NASA/AMES RESEARC		SURES OF FIBROUS			NIC WIND TUNNE	G. R. LUTZ	
OA307A/B	H CENTER 11X11-FO		REINFORCED COMPOS			L (UNITARY)	-DMS	
CR-167,654	OT AND 9X7-FOOT W		ITE INSULATION (F			9-FOOT BY 7-FO		
	IND TUNNELS (OA37		RCI-12) TPS TILES			OT SUPERSONIC		
	A/B)		EXPOSED TO PRESS			WIND TUNNEL (U		
			URE GRADIENTS ASS			NITARY)		
			OCIATED WITH AERO					
			DYNAMIC SHOCKS DU					
			RING SS ASCENT					
ARC -	SPACE SHUTTLE AFR		TO DEMONSTRATE BA	PRESSURE	0.80-	ROCKWELL/	B.A. MARSHALL/RI	DMS-DR-2510
11TWT -	SI FULL-SCALE CRE		SIC AFRSI FLEXIBL		0.88	ARC -	R.B. KINGSLAND/RI	DEC., 1982
548-1 /	DIBILITY TEST IN		E BLANKET CAPABIL			11-FOOT TRANSO	S. R. HOULIHAN	
OS309A	THE NASA/AMES RES		ITY IN AN EXPANSI			NIC WIND TUNNE	G. R. LUTZ	
CR-167,651	EARCH CENTER 11X1		ON/RECOMPRESSION			L (UNITARY)	-DMS	
	1-FOOT WIND TUNNE		SHOCK ENVIRONMENT					
	L USING MODEL 124							
	-0 INSTALLED IN T							
	HE 96-0 TEST FIXT							
	URE (OS309A)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	RESULTS OF COLD P	75-OTS	TO DETERMINE THE	PRESSURE	0.010 /	ROCKWELL/	R. H. SPANGLER,J.	DMS-DR-2511
11TWT -	LUME TESTS OF THE		EFFECTS OF GASEOU		0.6 -	ARC -	G. R. COLLETTE/R	VOLUME 01
561-1 /	0.010-SCALE MODE		S AND SOLID PLUME		1.4	11-FOOT TRANSO	I	OCT., 1983
IA300	L (75-OTS) IN THE		S ON THE FOREBODY			NIC WIND TUNNE	S. R. HOULIHAN	
CR-167,669	NASA/AMES RESEAR		PRESSURE DISTRIB			L (UNITARY)	B. J. BURST	
	CH CENTER 11X11-F		UTION OF THE SPAC				-DMS	
	OOT WIND TUNNEL (		E SHUTTLE INTEGRA					
	IA300)		TED VEHICLE					
ARC -	RESULTS OF COLD P	75-OTS	TO DETERMINE THE	PRESSURE	0.010 /	ROCKWELL/	R. H. SPANGLER,J.	DMS-DR-2511
11TWT -	LUME TESTS OF THE		EFFECTS OF GASEOU		0.6 -	ARC -	G. R. COLLETTE/R	VOLUME 02
561-1 /	0.010-SCALE MODE		S AND SOLID PLUME		1.4	11-FOOT TRANSO	I	OCT., 1983
IA300	L (75-OTS) IN THE		S ON THE FOREBODY			NIC WIND TUNNE	S. R. HOULIHAN	
CR-167,670	NASA/AMES RESEAR		PRESSURE DISTRIB			L (UNITARY)	B. J. BURST	
	CH CENTER 11X11-F		UTION OF THE SPAC				-DMS	
	OOT WIND TUNNEL (		E SHUTTLE INTEGRA					
	IA300)		TED VEHICLE					
ARC -	RESULTS OF COLD P	75-OTS	TO DETERMINE THE	PRESSURE	0.010 /	ROCKWELL/	R. H. SPANGLER,J.	DMS-DR-2511
11TWT -	LUME TESTS OF THE		EFFECTS OF GASEOU		0.6-	ARC -	G. R. COLLETTE/R	VOLUME 03
561-1 /	0.010-SCALE MODE		S AND SOLID PLUME		1.4	11-FOOT TRANSO	I	OCT., 1983
IA300	L (75-OTS) IN THE		S ON THE FOREBODY			NIC WIND TUNNE	S. R. HOULIHAN	
CR-167,671	NASA/AMES RESEAR		PRESSURE DISTRIB			L (UNITARY)	B. J. BURST	
	CH CENTER 11X11-F		UTION OF THE SPAC				-DMS	
	OOT WIND TUNNEL (		E SHUTTLE INTEGRA					
	IA300)		TED VEHICLE					
ARC -	BOUNDRY LAYER TES	122-0	TO OBTAIN DATA FO	PRESSURE	0.6-	ROCKWELL/	B. A. MARSHALL,R.	DMS-DR-2512
22TWT -	TS OF THE SPACE S		R USE IN DETERMIN		0.9	ARC -	B. KINGSFIELD/RI	SEPT., 1983
542-1 /	HUTTLE AFRSI MATE		ING THE SKIN FRIC			2-FOOT BY 2-FO	S. R. HOULIHAN	
OA308	RIAL IN THE NASA/		TION DRAG DUE TO			OT TRANSONIC W	G. R. LUTZ	
CR-167,667	AMES RESEARCH CEN		AFRSI IMPLEMENTAT			IND TUNNEL	-DMS	
	TER 2X2-FOOT TRAN		ION ON THE SPACE					
	SONIC WIND TUNNEL		SHUTTLE VEHICLE					
	(OA308)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC -	SPACE SHUTTLE AFR	MODEL 129-0	TO EVALUATE AFRSI	PRESSURE	0-	ROCKWELL/	B. A. MARSHALL/RI	DMS-DR-2513
PWT16T -	SI GAP FIX TEST 0		JOINT GAPS ON A		.74 0	AEDC -	R. B. KINGSLAND/R	MARCH, 1984
TF645 /	S313 IN THE AEDC/		PANEL TO WHICH AF			TRANSONIC PROP	I	
OS313	USAF 16T TRANSONI		RSI WAS APPLIED I			ULSION WIND TU	S. R. HOULIHAN	
CR-167,678	C PROPULSION WIND		N ACCORDANCE TO O			NNEL (PWT-16T)	G. R. LUTZ	
	TUNNEL USING MOD		V 099 OMS POD SPE				-DMS	
	EL 129-0 INSTALLE		CS, & TO DETERMIN					
	D IN THE MODEL 96		E THE PERFORMANCE					
	-0 TEST FIXTURE		OF FIVE JOINT-ST					
			ABILIZER DESIGNS					
			UNDER ASCENT LOAD					
			ING CONDITIONS					
MSFC -	RESULTS OF THE OR	LAUNCH VEHICLE WI	WING LOAD RELIEF	FORCE	0.004 /	MSFC /	R.C.ARMSTRONG/MSF	DMS-DR-2514
14TWT -	BITER WING AND EL	TH INTERSTAGE FAI	INVESTIGATIONS		0.60-	MSFC -	C	JULY, 1984
692 /	EVON LOAD ALLEVIA	RINGS			1.46	14-INCH TRISON	D. E. POUCHER	
FA301	TION TEST IN THE					IC WIND TUNNEL	J. L. GLYNN	
CR-167,687	NASA/MSFC 14-INCH						-DMS	
	TRISONIC WIND TU							
	NNEL ON A 0.004-S							
	CALE MODEL (74-OT							
	S) SPACE SHUTTLE							
	INTEGRATED VEHICL							
	E (FA301)							
ARC -	POST-TEST DATA RE	MODEL 125-0, AFRS	EXPOSE THE AFRSI	PRESSURE	1.0 /	ROCKWELL/	R.B.KINGSLAND, B.	DMS-DR-2515
11TWT -	PORT FOR THE SPAC	I BONDED TO SUPPO	TO SIMULATED ASCE		0.55-	ARC -	A.MARSHALL/ROCKWE	APRIL, 1984
562-1/5 /	E SHUTTLE FULL-SC	RT PLATE	NT AIRLOADS ENVIR		0.88	11-FOOT TRANSO	LL	
OS305-1/5	ALE AFRSI SEQUENC		ONMENT AND SUPPOR			NIC WIND TUNNE	D. E. POUCHER	
CR-167,684	E OF ENVIRONMENTS		T AFRSI CERTIFICA			L (UNITARY)	J. L. GLYNN	
	TEST (OS305-1 TO		TION				-DMS	
	5) IN THE NASA/A							
	MES RESEARCH CENT							
	ER 11X11-FOOT WIN							
	D TUNNEL							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC -	SPACE SHUTTLE AFR	MODEL 127-0, AFRS	OBTAIN DATA TO AS	PRESSURE	1.0 /	ROCKWELL/	R.B.KINGSLAND/ROC	DMS-DR-2516
11TWT -	SI FULL-SCALE APP	I BONDED TO SUPPO	SIST IN SELECTION		0.55-	ARC -	KWELL	AUGUST, 1984
562-2/5 /	LICATION DESIGN I	RT PLATE	OF AFRSI INSTALL		0.88	11-FOOT TRANSO	D. E. POUCHER	
OS311	SSUES TEST OS311		ATION DESIGNS AND			NIC WIND TUNNE	J. L. GLYNN	
CR-167,688	IN THE AMES RESEA		THE DETERMINATIO			L (UNITARY)	-DMS	
	RCH CENTER (ARC)		N OF MR/DR CRITER					
	11X11-FT WIND TUN		IA					
	NEL USING MODEL 1							
	27-0 INSTALLED IN							
	THE 96-0 TEST FI							
	XTURE							
ARC -	SPACE SHUTTLE AFR	AFRSI BLANKET PAN	INVESTIGATE CAUSE	PRESSURE	0.33 /	ROCKWELL/	J.G.R.COLLETTE,R.	DMS-DR-2517
97SWT -	SI OMS POD ENVIRO	ELS FORM-FITTED O	S OF AFRSI DAMAGE		1.8-	ARC -	B.KINGSLAND,C.L.B	OCT., 1984
582-1 /	NMENT TEST USING	VER A TWO-DIMENSI	ON OMS PODS DURI		2.5	9-FOOT BY 7-FO	ERTHOLD/ROCKWELL	
OS314A/B/C	MODEL 81-0 TEST F	ONAL MODEL OF AN	NG STS-6			OT SUPERSONIC	D. E. POUCHER	
CR-167,689	IXTURE IN THE AME	OMS POD CROSS-SEC				WIND TUNNEL (U	J. L. GLYNN	
	S RESEARCH CENTER	TION				NITARY)	-DMS	
	9X7-FOOT SUPERSO							
	NIC WIND TUNNEL (							
	OS314A/B/C)							
NRLAD -	RESULTS OF TESTS	140C SPACE SHUTTL	DETERMINE VORTEX	FORCE	0.0405 /	ROCKWELL/	C.L.BERTHOLD, M.E	DMS-DR-2519
LSWT -	OF ADVANCED FLEXI	E ORBITER	AND FLOW ENVIRONM		0.075-	NRLAD -	.NICHOLS/ROCKWELL	OCT., 1984
838 /	BLE REUSABLE SURF		ENTS ON AFRSI		0.231	LOW SPEED WIND	D. E. POUCHER	
OA309	ACE INSULATION VO					TUNNEL	J. L. GLYNN	
CR-167,692	RTEX AND FLOW ENV						-DMS	
	IRONMENTS IN THE							
	NORTH AMERICAN AE							
	RODYNAMICS LABORA							
	TORY LOW SPEED WI							
	ND TUNNEL USING O							
	.0405-SCALE SPACE							
	SHUTTLE ORBITER							
	16-0 (TEST OA309)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE / MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - CF4 - 220-237 / 20HT6 - 456 / LA53 LA54				FORCE	5.8 - 6.0	LARC / LARC - FREON TUNNEL 20-INCH HYPERSONIC TUNNEL (MACH 6)	J. E. VAUGHN B. J. BURST -DMS	DMS-DR-2213
LARC - V/STOL - 114 / OA155	RESULTS OF SUBSONIC STUDIES USING AN 0.030 SCALE ORBITER CONFIGURATION 140A/B MODEL (47-0) IN THE NASA/LARC V/STOL TRANSITION RESEARCH WIND TUNNEL (OA155)	VEHICLE 5 ORBITER	TO OBTAIN PRESSURE DISTRIBUTIONS AND FORCES AND MOMENTS FOR THE ORBITER IN THE APPROACH AND LANDING CONFIGURATIONS WITH AND WITHOUT THE INFLUENCE OF A GROUND PLANE. VERTICAL TAIL LOADS AND ELEVON, BODY FLAP, AND RUDDER HINGE MOMENTS WERE ALSO OBTIANED.	PRESSURE FORCE	0.030 / 0.2 - 0.2	ROCKWELL/ LARC - V/STOL TRANSITION RESEARCH WIND TUNNEL	J.J.DAILEDA/RI J.MARROQUIN/RI S. R. HOULIHAN H. C. ZIMMERLE -DMS	DMS-DR-2237
LARC - 22HT - 439 / LA68			STING EFFECTS; BALANCE SENSITIVITIES	FORCE	19.1 - 20.36	LARC / LARC - 22-INCH HELIUM TUNNEL	BILL WOODS/LARC J. E. VAUGHN -DMS	DMS-DR-2256
LARC - 8TPT - 715 / 8TPT - 776 / LA60B LA60C			DETERMINE EFFECTS OF SEVERAL WING FILLET CONFIGURATIONS	FORCE	0.3 - 1.2	LARC / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 8-FOOT TRANSONIC PRESSURE TUNNEL	J. E. VAUGHN -DMS	DMS-DR-2260

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 97SWT - 166-1 / OS13			TO VERIFY INTEGRITY OF THE ORBITER FRSI MATERIAL IN A PANEL FLUTTER ENVIRONMENT	STRUCT-DYN	1.55 - 2.5	ROCKWELL/ ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	R.S. CROWDER/RI S. R. HOULIHAN H. C. ZIMMERLE -DMS	DMS-DR-2287
NSWC - 8A - 1275 / LA79				FORCE	.0040 /	LARC / NSWC - TUNNEL 8A	J. E. VAUGHN B. J. BURST -DMS	DMS-DR-2291
ARC - 22TWT - 167-1 / OS32				STRUCT-DYN		ROCKWELL/ ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TUNNEL		DMS-DR-2339
LARC - 8TPT - 764 / LA92				FORCE		LARC / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL		DMS-DR-2362
LARC - 8TPT - 776 / LA106				FORCE		LARC / LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL	J. E. VAUGHN B. J. BURST -DMS	DMS-DR-2379
LARC - CFHT - 130 / LA93				PRESSURE		LARC / LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL	J. E. VAUGHN J. L. GLYNN -DMS	DMS-DR-2383
LTV - HSWT - 611 / LA109				FORCE		LARC / LTV - HIGH SPEED WIND TUNNEL	J. E. VAUGHN B. J. BURST -DMS	DMS-DR-2394

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC - 8TPT - 804 / LA116				FORCE		LARC / LARC - 8-FOOT TRANSON IC PRESSURE TU NNEL	J. E. VAUGHN B. J. BURST -DMS	DMS-DR-2411
LARC - 8TPT - 813 / LA117				FORCE		LARC / LARC - 8-FOOT TRANSON IC PRESSURE TU NNEL	J. E. VAUGHN B. J. BURST -DMS	DMS-DR-2425
LARC - LTPT - 255 / LA127				FORCE		LARC / LARC - LOW-TURBULENCE PRESSURE TUNN EL	J. E. VAUGHN B. J. BURST -DMS	DMS-DR-2441
LTV - HSWT - 646 / LA128				FORCE		LARC / LTV - HIGH SPEED WIN D TUNNEL	J. E. VAUGHN B. J. BURST -DMS	DMS-DR-2442
LARC - UPWT - 1270 / LA122				FORCE		LARC / LARC - UNITARY PLAN W IND TUNNEL	J. E. VAUGHN B. J. BURST -DMS	DMS-DR-2446
ARC - 11TWT - 436-2 / OS52				PRESSURE		ROCKWELL/ ARC - 11-FOOT TRANSO NIC WIND TUNNE L (UNITARY)	S. R. HOULIHAN B. J. BURST -DMS	DMS-DR-2447
MSFC - 14TWT - 655 / FA27			DETERMINE CAUSE A ND AERO FIX TO EL IMINATE ORBITER R OLLING MOMENT	FORCE	0.004 / 0.6 - 1.25	MSFC / MSFC - 14-INCH TRISON IC WIND TUNNEL	BILL BRADDOCK/LMS C-HUNTSVILLE J. L. GLYNN J. E. VAUGHN -DMS	DMS-DR-2460

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC - 11TWT - 411-1,2,3/97SWT - IA190A IA190B	RESULTS OF EXPERIMENTAL INVESTIGATIONS TO DETERMINE EXTERNAL TANK PROTUBERANCE LOADS USING A 0.03 SCALE MODEL OF THE SPACE SHUTTLE LAUNCH CONFIGURATION (MODEL 47-OTS) IN THE NASA/ARC UNITARY PLAN WIND TUNNEL (IA190A/B)		TO OBTAIN FORCE AND PRESSURE LOADS ON ET PROTUBERANCES AND TO DETERMINE LOCAL FLOW VELOCITIES ON ET UPPER SURFACE NEAR CENTERLINE	FORCE PRESSURE	0.60 - 2.5	ROCKWELL/ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	A.R.KANEVSKY/RI J. E. VAUGHN H. C. ZIMMERLE -DMS	DMS-DR-2476
MSFC - 14TWT - 658 / IA600				FORCE		ROCKWELL/MSFC - 14-INCH TRISONIC WIND TUNNEL	S. R. HOULIHAN J. E. VAUGHN -DMS	DMS-DR-2479
LTV - HSWT - 742 / LA144		OV102-SSME ON OV102-SSME OFF OV102-SSME ON VT OFF		FORCE	0.02/ 2.5- 4.75	LARC / LTV - HIGH SPEED WIND TUNNEL	J. E. VAUGHN G. W. KLUG -DMS	DMS-DR-2484
AEDC - PWT16T - 594 / MA34		ORBITER FOREBODY	TO OBTAIN CALIBRATION DATA FOR THE FLUSH-ORIFICE SHUTTLE ENTRY AIR DATA SYSTEM IN THE SUBSONIC/TRANSONIC RANGE	FORCE	0.25 - 1.50	ROCKWELL/AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T)	S. R. HOULIHAN H. C. ZIMMERLE -DMS	DMS-DR-2497

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC -	RESULTS OF A ORBI	LAUNCH VEHICLE WI	WING LOAD RELIEF	FORCE	0.004 /	ROCKWELL/	F.H.NIEDERMEYER/R	DMS-DR-2518
14TWT -	TER WING AND ELEV	TH WING SPOILERS	INVESTIGATIONS		0.60-	MSFC -	I-H	
695 /	ON LOADS ALLEVIAT	AND INTERSTAGE FA			1.96	14-INCH TRISON	R.C.ARMSTRONG/MSF	
IA301	ION TEST UTILIZIN	IRINGS				IC WIND TUNNEL	C	
	G WING MOUNTED SP						D. E. POUCHER	
	OILERS IN THE NAS						J. L. GLYNN	
	A/MSFC 14-INCH TR						-DMS	
	ISONIC WIND TUNNE							
	L ON A 0.004-SCAL							
	E MODEL (74-OTS)							
	SPACE SHUTTLE INT							
	EGRATED VEHICLE (							
	IA301)							
AEDC -	RESULTS OF AEROHE	THIN-SKIN THERMOC	DFI LOCATIONS FOR	HEAT-TRANS	0.0175 /	ROCKWELL/	J.MARROQUIN, C.R.	DMS-DR-2520
SWTA -	ATING DFI AND ET	OUPLE MODEL 60-OT	ET AND SRB HEATI		2.24-	AEDC -	LEEF, D.J.WONG/RO	
V-A-1X /	DESIGN-DATA TEST	S	NG PREDICTION MET		4.00	SUPERSONIC WIN	CKWELL	
HWTC -	ON A 0.0175-SCALE		HODOLOGY			D TUNNEL (A)	D. E. POUCHER	
V-C-2E /	MODEL 60-OTS CON					HYPERSONIC WIN	J. L. GLYNN	
IH97A/B/C	DUCTED IN THE VON					D TUNNEL (C)	-DMS	
CR-167,693	KARMAN GAS DYNAM							
	ICS FACILITY (VKF							
	) 40-INCH SUPERSO							
	NIC AND THE 50-IN							
	CH HYPERSONIC WIN							
	D TUNNELS A AND C							
	(IH97A/B/C)							
ARC -	RESULTS OF THE AF	MODEL 126-O, AFRS	TO EVALUATE TWO A	PRESSURE	1.0 /	ROCKWELL/	R.B.KINGSLAND, J.	DMS-DR-2521
22TWT -	RSI REWATERPROOFI	I	FRSI REWATERPROOF		0.3 -	ARC -	MARROQUIN, J.RIVI	
560-1-22 /	NG SYSTEMS SCREEN		ING SYSTEMS AND T		0.85	2-FOOT BY 2-FO	N/ROCKWELL	
OS310	ING TEST IN THE N		O INVESTIGATE FIL			OT TRANSONIC W	D. E. POUCHER	
CR-167,694	ASA/AMES RESEARCH		MS AS A MEANS OF			IND TUNNEL	J. L. GLYNN	
	CENTER (ARC) 2X2		REDUCING BLANKET				-DMS	
	-FOOT TRANSONIC W		JOINT DISTORTION					
	IND TUNNEL (OS310							
	)							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC - HWTC - V-C-3E / OS315		128-0, OMS POD CONTOUR MODEL	SIMULATION OF ENVIRONMENTS EXISTING AT THE FRONT OF THE ORBITER OMS POD DURING ASCENT AND ENTRY	PRESSURE	4.0 - 4.0	ROCKWELL/ AEDC - HYPERSONIC WIND TUNNEL (C)	E.C.KNOX/ROCKWELL D. E. POUCHER J. L. GLYNN -DMS	DMS-DR-2522
LARC - 16TT - 390 / LA301	RESULTS OF WING AND ELEVON LOAD ALLEVIATION TEST (TEST LA301) UTILIZING A 1% SCALE SHUTTLE LAUNCH VEHICLE MODEL IN THE LANGLEY 16 FOOT TWT	LAUNCH VEHICLE WITH WING SPOILERS AND INTERSTAGE FAIRINGS	WING LOAD RELIEF INVESTIGATIONS	FORCE	0.01 / 0.8 - 1.25	LARC / LARC - 16-FOOT TRANSONIC TUNNEL	G.M.WARE, J.C.YOUNG, L.E.PUTNAM/LARC D. E. POUCHER J. L. GLYNN -DMS	DMS-DR-2523
ARC - 3.5HWT - 218 / IH42 CR-167,695	RESULTS OF A M=5.3 HEAT TRANSFER TEST OF THE INTEGRATED VEHICLE USING PHASE-CHANGE PAINT TECHNIQUES ON THE 0.0175-SCALE MODEL 56-OTS IN THE NASA/AMES RESEARCH CENTER 3.5-FOOT HYPERSONIC WIND TUNNEL (IH42)	PHASE-CHANGE PAINT MODEL, 56-OTS	SUPERSONIC HEAT DISTRIBUTION DATA BETWEEN ORBITER AND ET	HEAT-TRANS	0.0175 / 5.3 - 5.3	ROCKWELL/ ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	W.H.DYE, J.C.MARTINEZ/ROCKWELL D. E. POUCHER J. L. GLYNN -DMS	DMS-DR-2524

Table 6-1

Space Shuttle Facility Wind Tunnel Summary

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
KT				LA126	2436,V-06	AUGUST,	1978
VU	AEDC	HWTB	B7A	OH60	2356	MAY,	1977
VB	AEDC	HWTB	B8A	OH74	2263	MARCH,	1976
VC	AEDC	HWTB	C4A	IA114	2272,V-01	JUNE,	1977
VC	AEDC	HWTB	C4A	IA114	2272,V-02	JUNE,	1977
VJ	AEDC	HWTB	D8A	OA169	2320,V-01	FEB.,	1978
VJ	AEDC	HWTB	D8A	OA169	2320,V-02	FEB.,	1978
VJ	AEDC	HWTB	D8A	OA169	2320,V-03	FEB.,	1978
VK	AEDC	HWTB	D9A	IA22	2327,V-01	JULY,	1977
VK	AEDC	HWTB	D9A	IA22	2327,V-02	AUGUST,	1977
VK	AEDC	HWTB	D9A	IA22	2327,V-03	AUGUST,	1977
VG	AEDC	HWTB	E3A	OH75	2303	MAY,	1976
VS	AEDC	HWTB	J7A	OH98	2340,V-01	SEPT.,	1980
VS	AEDC	HWTB	J7A	OH98	2340,V-02	SEPT.,	1980
4S	AEDC	HWTB	P4A	OH90A/MA29	2451	MAY,	1979
4D	AEDC	HWTB	TOA	IA148	2384,V-01	SEPT.,	1978
4D	AEDC	HWTB	TOA	IA148	2384,V-02	SEPT.,	1978
TM	AEDC	HWTB	VA289	OH3A	2100	JUNE,	1974
TT	AEDC	HWTB	VA352	OH4A	2154	JAN.,	1975
TZ	AEDC	HWTB	VA352	OH4C	2225	MARCH,	1975

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
TK	AEDC	HWTB	VA352	OH4B	2099,V-01	FEB.,	1975
TK	AEDC	HWTB	VA352	OH4B	2099,V-02	FEB.,	1975
TK	AEDC	HWTB	VA352	OH4B	2099,V-03	FEB.,	1975
V5	AEDC	HWTB	VA353	OH9	2251	JUNE,	1975
TS	AEDC	HWTB	VA354	OH11	2141	JUNE,	1975
V3	AEDC	HWTB	VA422	IA17B	2230	FEB.,	1975
TR	AEDC	HWTB	VA422	IA17A	2156,V-01	AUGUST,	1975
TR	AEDC	HWTB	VA422	IA17A	2156,V-02	AUGUST,	1975
TR	AEDC	HWTB	VA422	IA17A	2156,V-03	AUGUST,	1975
TN	AEDC	HWTB	VA474	OA77	2134,R-01	JAN.,	1975
VE	AEDC	HWTB	VA526/21BA	OH50A	2285	APRIL,	1976
VM	AEDC	HWTB	V41B-E9A	OH69	2321,V-01	AUGUST,	1978
VM	AEDC	HWTB	V41B-E9A	OH69	2321,V-02	AUGUST,	1978
4Z	AEDC	HWTB	V41B-G9	OH109	2490,V-01	JULY,	1982
4Z	AEDC	HWTB	V41B-G9	OH109	2490,V-02	JULY,	1982
4Z	AEDC	HWTB	V41B-G9	OH109	2490,V-03	JULY,	1982
T1	AEDC	HWTB	V41B-HO	OA258	2491,V-01	SEPT.,	1983
T1	AEDC	HWTB	V41B-HO	OA258	2491,V-02	SEPT.,	1983
T1	AEDC	HWTB	V41B-HO	OA258	2491,V-03	SEPT.,	1983
T1	AEDC	HWTB	V41B-HO	OA258	2491,V-04	SEPT.,	1983
4A	AEDC	HWTB	V41B-K3A	OH57A/B	2367	MAY,	1979

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
HT	AEDC	HWTB	V41B-R3A	OH56	2410	JUNE, 1979
4E	AEDC	HWTB	V41B-R4A	OH84A	2388	MARCH, 1984
4H	AEDC	HWTB	V41B-V2A	OH103A	2420	NOV., 1982
4M	AEDC	HWTB	V41B-V2C	OH103B	2427	JAN., 1984
T6	AEDC	HWTB	V41B-1C	OH111	2496,V-01	NOV., 1982
T6	AEDC	HWTB	V41B-1C	OH111	2496,V-02	NOV., 1982
T6	AEDC	HWTB	V41B-1C	OH111	2496,V-03	NOV., 1982
4U	AEDC	HWTB	V41B-67	OH84B	2464,V-01	AUGUST, 1981
4U	AEDC	HWTB	V41B-67	OH84B	2464,V-02	AUGUST, 1981
4U	AEDC	HWTB	V41B-67	OH84B	2464,V-03	AUGUST, 1981
4U	AEDC	HWTB	V41B-67	OH84B	2464,V-04	AUGUST, 1981
4V	AEDC	HWTB	V41B-67	OH105	2464,V-05	AUGUST, 1981
T3	AEDC	HWTB	V42B-/V43B	OA259	2493,V-01	AUGUST, 1983
T3	AEDC	HWTB	V42B-/V43B	OA259	2493,V-02	AUGUST, 1983
T2	AEDC	HWTB	V43B-17	OH107	2492	JUNE, 1982
4T	AEDC	HWTB	41B-65	OH102A	2455	JUNE, 1979
VY	AEDC	HWTB	41B-83A	OH25B	2366	MAY, 1977
TP	AEDC	HWTB	48A	LA42	2132	MAY, 1975
VO	AEDC	HWTB	524	OH52	2330	OCT., 1976
V1	AEDC	HWTB	57A	OH49B	2222,V-01	OCT., 1976
V1	AEDC	HWTB	57A	OH49B	2222,V-02	NOV., 1976

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
VL	AEDC	HWTB	58A	OH50B	2358	JUNE,	1977
TW	AEDC	HWTB	71A	OA79	2196	MAY,	1975
V9	AEDC	HWTB	74A	OH39	2241,V-01	JULY,	1980
V9	AEDC	HWTB	74A	OH39	2241,V-02	JULY,	1980
V9	AEDC	HWTB	74A	OH39	2241,V-03	JULY,	1980
V9	AEDC	HWTB	74A	OH39	2241,V-04	JULY,	1980
VH	AEDC	HWTB	82A	OH54A	2301	MAY,	1976
VM	AEDC	HWTB	82A	OH54B	2342	JUNE,	1977
V6	AEDC	HWTB	83A	OH25A	2252	JULY,	1975
D3	AEDC	HWTC	V-C-2E	IH97A/B/C	2520	IN PROCESS	
D5	AEDC	HWTC	V-C-3E	OS315	2522	IN PROCESS	
TX	AEDC	HWTF	VA291	FH10	2197	OCT.,	1974
TO	AEDC	HWTF	VA489	OA81	2152,R-01	JAN.,	1976
TY	AEDC	HWTF	25A	TH1F	2218	SEPT.,	1977
VA	AEDC	HWTF	28A	OA160	2247	JAN.,	1976
7T	AEDC	PWT16T	TF-551	OS46A-G	2505	AUGUST,	1982
T5	AEDC	PWT16T	TF-556	OS49	2483,V-01	JUNE,	1982
T5	AEDC	PWT16T	TF-556	OS49	2483,V-02	JUNE,	1982

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
T8	AEDC	PWT16T	TF-608	OS56	2489	JUNE, 1982
A3	AEDC	PWT16T	TF645	OS313	2513	MARCH, 1984
VR	AEDC	PWT16T	431	OA232	2414,V-01	MAY, 1980
VR	AEDC	PWT16T	431	OA232	2414,V-02	MAY, 1980
4B	AEDC	PWT16T	470	IA105A	2398,V-01	NOV., 1981
4C	AEDC	PWT16T	470	IA156A	2403,V-01	JAN., 1981
4B	AEDC	PWT16T	470	IA105A	2398,V-02	NOV., 1981
4C	AEDC	PWT16T	470	IA156A	2403,V-02	JAN., 1981
4B	AEDC	PWT16T	470	IA105A	2398,V-03	NOV., 1981
4C	AEDC	PWT16T	470	IA156A	2403,V-03	JAN., 1981
4R	AEDC	PWT16T	505	IA132	2449	FEB., 1981
4N	AEDC	PWT16T	507	OA129	2434	DEC., 1979
4P	AEDC	PWT16T	517	IA182	2439	NOV., 1983
4Q	AEDC	PWT16T	519	IA183	2444,V-01	APRIL, 1981
4Q	AEDC	PWT16T	519	IA183	2444,V-02	APRIL, 1981
4Y	AEDC	PWT16T	572	OA253	2486,V-01	OCT., 1982
4Y	AEDC	PWT16T	572	OA253	2486,V-02	OCT., 1982
T4	AEDC	PWT16T	594	MA34	2497	IN PROCESS
VP	AEDC	PWT4T	E3A	SA16F	2334	NOV., 1976

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
V8	AEDC	SWTA	A3A	IA111	2242,V-01	MARCH,	1976
V8	AEDC	SWTA	A3A	IA111	2242,V-02	MARCH,	1976
V7	AEDC	SWTA	A4A	IH41A	2240	APRIL,	1977
VF	AEDC	SWTA	A4A	IH41B	2295,V-01	SEPT.,	1977
VF	AEDC	SWTA	A4A	IH41B	2295,V-02	SEPT.,	1977
VF	AEDC	SWTA	A4A	IH41B	2295,V-03	SEPT.,	1977
VF	AEDC	SWTA	A4A	IH41B	2295,V-04	OCT.,	1977
VF	AEDC	SWTA	A4A	IH41B	2295,V-05	OCT.,	1977
VD	AEDC	SWTA	E1A	FH13	2276	JUNE,	1977
VI	AEDC	SWTA	J3A	IH47	2312,V-01	JUNE,	1977
VI	AEDC	SWTA	J3A	IH47	2312,V-02	JULY,	1977
VT	AEDC	SWTA	K1A	IA40	2293	DEC.,	1977
VQ	AEDC	SWTA	K1A	IA142	2346,V-01	JAN.,	1978
VQ	AEDC	SWTA	K1A	IA142	2346,V-02	JAN.,	1978
VQ	AEDC	SWTA	K1A	IA142	2346,V-03	JAN.,	1978
VX	AEDC	SWTA	P8A	IA143	2354,V-01	FEB.,	1978
VX	AEDC	SWTA	P8A	IA143	2354,V-02	FEB.,	1978
VX	AEDC	SWTA	P8A	IA143	2354,V-03	FEB.,	1978
VX	AEDC	SWTA	P8A	IA143	2354,V-04	FEB.,	1978
TJ	AEDC	SWTA	VA323	IA13	2062,V-01	AUGUST,	1975
TJ	AEDC	SWTA	VA323	IA13	2062,V-02	AUGUST,	1975

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
TJ	AEDC	SWTA	VA323	IA13	2062,V-03	AUGUST, 1975
TL	AEDC	SWTA	VA422	IA57	2112	NOV., 1974
TQ	AEDC	SWTA	VA422	IA61A	2143	FEB., 1976
V4	AEDC	SWTA	VA422/21AA	IA61B	2226	FEB., 1975
VW	AEDC	SWTA	VA525/218A	OH49A	2355	JUNE, 1977
D3	AEDC	SWTA	V-A-1X	IH97A/B/C	2520	IN PROCESS
4J	AEDC	SWTA	V41A-P5A	OA208/209	2415,V-02	JAN., 1980
VZ	AEDC	SWTA	V41A-R2A	IH72	2372	NOV., 1981
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-01	APRIL, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-02	APRIL, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-03	APRIL, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-04	APRIL, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-05	MAY, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-06	MAY, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-07	MAY, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-08	APRIL, 1980
4K	AEDC	SWTA	V41A-20	FH15	2422	APRIL, 1979
4W	AEDC	SWTA	V41A-67	IH102	2464,V-06	AUGUST, 1981
4I	AEDC	SWTA	V41B-P5A	OA208/209	2415,V-01	JAN., 1980
4X	AEDC	SWTA	V41B-65	OH400	2472	MAY, 1980
TU	AEDC	SWTA	60A	IA87	2192,V-01	JULY, 1975

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
TU	AEDC	SWTA	60A	IA87	2192,V-02	JULY,	1975
TV	AEDC	SWTA	71A	OA115	2198	JULY,	1975
NF	ARC	11TWT			2255	JULY,	1975
EU	ARC	11TWT	014	IA19	2170,V-01	JUNE,	1975
EU	ARC	11TWT	014	IA19	2170,V-02	JUNE,	1975
EU	ARC	11TWT	014	IA19	2170,V-03	JUNE,	1975
ET	ARC	11TWT	019	IA81A	2169,V-01	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-02	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-03	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-04	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-05	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-06	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-07	JAN.,	1976
E4	ARC	11TWT	023	IA80	2212,V-01	OCT.,	1976
E4	ARC	11TWT	023	IA80	2212,V-02	OCT.,	1976
E4	ARC	11TWT	023	IA80	2212,V-03	OCT.,	1976
E4	ARC	11TWT	023	IA80	2212,V-04	OCT.,	1976
NE	ARC	11TWT	072	IA72	2258,V-01	APRIL,	1977
NE	ARC	11TWT	072	IA72	2258,V-02	APRIL,	1977
NE	ARC	11TWT	072	IA72	2258,V-03	APRIL,	1977

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
NE	ARC	11TWT	072	IA72	2258,V-04	APRIL, 1977
NE	ARC	11TWT	072	IA72	2258,V-05	APRIL, 1977
NE	ARC	11TWT	072	IA72	2258,V-06	APRIL, 1977
NE	ARC	11TWT	072	IA72	2258,V-07	APRIL, 1977
NE	ARC	11TWT	072	IA72	2258,V-08	APRIL, 1977
NE	ARC	11TWT	072	IA72	2258,V-09	APRIL, 1977
E8	ARC	11TWT	073	OA148	2254,V-01	JULY, 1976
E8	ARC	11TWT	073	OA148	2254,V-02	JULY, 1976
E8	ARC	11TWT	073	OA148	2254,V-03	JULY, 1976
E8	ARC	11TWT	073	OA148	2254,V-04	AUGUST, 1976
E8	ARC	11TWT	073	OA148	2254,V-05	AUGUST, 1976
E8	ARC	11TWT	073	OA148	2254,V-06	AUGUST, 1976
E8	ARC	11TWT	073	OA148	2254,V-07	AUGUST, 1976
E8	ARC	11TWT	073	OA148	2254,V-08	AUGUST, 1976
E8	ARC	11TWT	073	OA148	2254,V-09	SEPT., 1976
E8	ARC	11TWT	073	OA148	2254,V-10	SEPT., 1976
E8	ARC	11TWT	073	OA148	2254,V-11	SEPT., 1976
E8	ARC	11TWT	073	OA148	2254,V-12	SEPT., 1976
E8	ARC	11TWT	073	OA148	2254,V-13	SEPT., 1976
2K	ARC	11TWT	115	OA149A	2376,V-01	JAN., 1980
2K	ARC	11TWT	115	OA149A	2376,V-02	JAN., 1980

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
2K	ARC	11TWT	115	OA149A	2376,V-03	JAN.,	1980
2F	ARC	11TWT	118-1	OA145A	2380,V-01	DEC.,	1980
2F	ARC	11TWT	118-1	OA145A	2380,V-02	DEC.,	1980
2F	ARC	11TWT	118-1	OA145A	2380,V-03	DEC.,	1980
2F	ARC	11TWT	118-1	OA145A	2380,V-04	DEC.,	1980
2F	ARC	11TWT	118-1	OA145A	2380,V-05	DEC.,	1980
2F	ARC	11TWT	118-1	OA145A	2380,V-06	DEC.,	1980
A1	ARC	11TWT	145-1	OS31A	2470	AUGUST,	1983
2A	ARC	11TWT	187-1	OA175	2333,V-01	NOV.,	1977
2A	ARC	11TWT	187-1	OA175	2333,V-02	DEC.,	1977
2A	ARC	11TWT	187-1	OA175	2333,V-03	DEC.,	1977
2B	ARC	11TWT	200-1	LA77	2344,V-01	JAN.,	1980
2B	ARC	11TWT	200-1	LA77	2344,V-02	JAN.,	1980
2E	ARC	11TWT	213-1	LA89	2353	JUNE,	1981
2N	ARC	11TWT	228-1	IA144	2377,V-01	APRIL,	1982
2N	ARC	11TWT	228-1	IA144	2377,V-02	APRIL,	1982
2R	ARC	11TWT	275-1	IA119	2404,V-01	OCT.,	1980
2R	ARC	11TWT	275-1	IA119	2404,V-02	OCT.,	1980
2R	ARC	11TWT	275-1	IA119	2404,V-03	OCT.,	1980
2R	ARC	11TWT	275-1	IA119	2404,V-04	OCT.,	1980
3L	ARC	11TWT	369-1	OS36/37	2458	NOV.,	1983

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
30	ARC	11TWT	380-1	OS41	2463	NOV., 1983
AM	ARC	11TWT	380-1	OS43	2487	OCT., 1982
3U	ARC	11TWT	411-1,2,3	IA190A	2476	IN PROCESS
AA	ARC	11TWT	412-1	IA191	2378	MARCH, 1981
AC	ARC	11TWT	425	OS50	2485	JUNE, 1982
3X	ARC	11TWT	427-1/427-	OA400	2482,V-01	JAN., 1981
3X	ARC	11TWT	427-1/427-	OA400	2482,V-02	JAN., 1981
3X	ARC	11TWT	427-1/427-	OA400	2482,V-03	JAN., 1981
AB	ARC	11TWT	436-2	OS52	2447	IN PROCESS
AS	ARC	11TWT	500,07,31	OS60,1,2,3	2506	DEC., 1982
AP	ARC	11TWT	501-1	OS304A	2501	OCT., 1982
AL	ARC	11TWT	503-1	OS302A	2469	JUNE, 1982
AU	ARC	11TWT	510-1	MA33A/B	2507	MARCH, 1984
AV	ARC	11TWT	548-1	OS306A/B	2508	JAN., 1983
AY	ARC	11TWT	548-1	OS309A	2510	DEC., 1982
AW	ARC	11TWT	549-1	OA307A/B	2509	DEC., 1982
AZ	ARC	11TWT	561-1	IA300	2511,V-01	OCT., 1983
AZ	ARC	11TWT	561-1	IA300	2511,V-02	OCT., 1983
AZ	ARC	11TWT	561-1	IA300	2511,V-03	OCT., 1983
A7	ARC	11TWT	562-1/5	OS305-1/5	2515	APRIL, 1984
A8	ARC	11TWT	562-2/5	OS311	2516	AUGUST, 1984

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
A2	ARC	11TWT	587-1	OA310A	2459,V-01	AUGUST,	1984
BL	ARC	11TWT	686	IA7	2024	AUGUST,	1973
EX	ARC	11TWT	705	OS8A/B	2179	NOV.,	1977
B-	ARC	11TWT	707	IA9A,B,C	2032,V-01	NOV.,	1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-02	NOV.,	1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-03	OCT.,	1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-04	DEC.,	1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-05	DEC.,	1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-06	DEC.,	1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-07	DEC.,	1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-08	DEC.,	1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-09	JAN.,	1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-10	JAN.,	1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-11	JAN.,	1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-12	JAN.,	1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-13	MARCH,	1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-14	MARCH,	1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-15	MARCH,	1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-16	APRIL,	1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-17	APRIL,	1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-18	MAY,	1974

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
B2	ARC	11TWT	716	OA22A	2130	MAY,	1975
B1	ARC	11TWT	716	IA14A	2084,V-01	FEB.,	1975
B1	ARC	11TWT	716	IA14A	2084,V-02	MARCH,	1975
B1	ARC	11TWT	716	IA14A	2084,V-03	APRIL,	1975
B1	ARC	11TWT	716	IA14A	2084,V-04	APRIL,	1975
B1	ARC	11TWT	716	IA14A	2084,V-05	APRIL,	1975
B1	ARC	11TWT	716	IA14A	2084,V-06	APRIL,	1975
B1	ARC	11TWT	716	IA14A	2084,V-07	APRIL,	1975
B1	ARC	11TWT	716	IA14A	2084,V-08	APRIL,	1975
B1	ARC	11TWT	716	IA14A	2084,V-09	MAY,	1975
B1	ARC	11TWT	716	IA14A	2084,V-10	MAY,	1975
B1	ARC	11TWT	716	IA14A	2084,V-11	MAY,	1975
EJ	ARC	11TWT	747	OA53A	2128,V-01	AUGUST,	1974
EJ	ARC	11TWT	747	OA53A	2128,V-02	AUGUST,	1974
NX	ARC	11,97,87UN	074-1	SA11F	2331,V-01	OCT.,	1981
NX	ARC	11,97,87UN	074-1	SA11F	2331,V-02	OCT.,	1981
E7	ARC	11,97,87UN	094	OA161A/B/C	2245,V-01	SEPT.,	1976
E7	ARC	11,97,87UN	094	OA161A/B/C	2245,V-02	OCT.,	1976
NQ	ARC	11,97,87UN	144-1	IA135A/B/C	2306,V-01	MAY,	1982
NQ	ARC	11,97,87UN	144-1	IA135A/B/C	2306,V-02	MAY,	1982

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
NQ	ARC	11,97,87UN	144-1	IA135A/B/C	2306,V-03	MAY,	1982
2Y	ARC	11,97,87UN	289-1	OA126A,B,C	2424,V-01	OCT.,	1980
2Y	ARC	11,97,87UN	289-1	OA126A,B,C	2424,V-02	OCT.,	1980
3H	ARC	11,97,87UN	289-1	OA126A,B,C	2424,V-03	OCT.,	1980
2S	ARC	11,97,87UN	705-1	IS1A/B/C	2401	JAN.,	1978
NG	ARC	12PT	078	OA159	2265	JAN.,	1976
NC	ARC	12PT	086	LA65	2246	JULY,	1976
NJ	ARC	12PT	135-1	LA66	2281	SEPT.,	1976
NS	ARC	12PT	180-1	OA173	2304	NOV.,	1981
2Q	ARC	12PT	218-1	OA101	2405,V-01	SEPT.,	1978
2Q	ARC	12PT	218-1	OA101	2405,V-02	SEPT.,	1978
2Q	ARC	12PT	218-1	OA101	2405,V-03	SEPT.,	1978
2Q	ARC	12PT	218-1	OA101	2405,V-04	SEPT.,	1978
2Q	ARC	12PT	218-1	OA101	2405,V-05	SEPT.,	1978
2Q	ARC	12PT	218-1	OA101	2405,V-06	OCT.,	1978
E9	ARC	14-TWT	080	CA23A	2243	JAN.,	1976
NH	ARC	14-TWT	120	CA23B	2275,V-01	MAY,	1976
NH	ARC	14-TWT	120	CA23B	2275,V-02	MAY,	1976
NZ	ARC	14-TWT	121	CA13	2332	OCT.,	1977

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
NY	ARC	14-TWT	143-1	IA137	2316	SEPT., 1976
NL	ARC	14-TWT	150-1	OA220	2286	OCT., 1976
BK	ARC	14-TWT	711	IA8	2173	JULY, 1974
3Y	ARC	22TWT	041,154,11	OS4A	2450	MAY, 1979
2C	ARC	22TWT	167-1	OS32	2339	IN PROCESS
3T	ARC	22TWT	382-1	OA252	2473,V-01	JAN., 1983
3T	ARC	22TWT	382-1	OA252	2473,V-02	JAN., 1983
AE	ARC	22TWT	458	OS300	2488	SEPT., 1981
AK	ARC	22TWT	467-1	OS301	2500	DEC., 1981
AX	ARC	22TWT	542-1	OA308	2512	SEPT., 1983
D4	ARC	22TWT	560-1-22	OS310	2521	IN PROCESS
BI	ARC	3.5HWT	147	OA4	2007	MARCH, 1973
BS	ARC	3.5HWT	157	OA11A	2044	OCT., 1973
BU	ARC	3.5HWT	158	OH2A	2035	APRIL, 1974
BX	ARC	3.5HWT	160	OA11B	2059	JUNE, 1974
BY	ARC	3.5HWT	163	OA58	2060	JUNE, 1974
B5	ARC	3.5HWT	167	OA73	2082	DEC., 1973
B6	ARC	3.5HWT	168	OA23	2071	SEPT., 1974
B7	ARC	3.5HWT	169	IA10	2078	JAN., 1974

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
B9	ARC	3.5HWT	171	OH10	2085	JAN.,	1982
B8	ARC	3.5HWT	172	IH15	2098	OCT.,	1974
ED	ARC	3.5HWT	173	OH15	2385	SEPT.,	1977
EG	ARC	3.5HWT	175	IA15	2102	APRIL,	1974
EF	ARC	3.5HWT	176	OA87	2115	MARCH,	1974
EH	ARC	3.5HWT	177	OH44	2386	SEPT.,	1977
EI	ARC	3.5HWT	178	IH3	2136,V-01	MAY,	1975
EI	ARC	3.5HWT	178	IH3	2136,V-02	MAY,	1975
EI	ARC	3.5HWT	178	IH3	2136,V-03	MAY,	1975
EI	ARC	3.5HWT	178	IH3	2136,V-04	MARCH,	1976
EM	ARC	3.5HWT	180	IA16	2124	MAY,	1974
ND	ARC	3.5HWT	182	OH43	2250	JULY,	1975
EQ	ARC	3.5HWT	183	OH6	2151	NOV.,	1975
EN	ARC	3.5HWT	185	IH20	2148,V-01	JUNE,	1975
EN	ARC	3.5HWT	185	IH20	2148,V-02	JUNE,	1975
EP	ARC	3.5HWT	187	OA36	2162	NOV.,	1974
EQ	ARC	3.5HWT	190	OA98	2167	AUGUST,	1975
ES	ARC	3.5HWT	191	IA18	2160	MARCH,	1975
EW	ARC	3.5HWT	194	OA83	2177	MARCH,	1975
EV	ARC	3.5HWT	195	IH28	2180,V-01	SEPT.,	1976
EV	ARC	3.5HWT	195	IH28	2180,V-02	SEPT.,	1976

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
EY	ARC	3.5HWT	196	TA9F	2181	NOV., 1974
EZ	ARC	3.5HWT	198	OH38	2171,V-01	JAN., 1976
EZ	ARC	3.5HWT	198	OH38	2171,V-02	JAN., 1976
EZ	ARC	3.5HWT	198	OH38	2171,V-03	JAN., 1976
E2	ARC	3.5HWT	199	OH26	2193	OCT., 1977
E3	ARC	3.5HWT	200	IH27	2210	JUNE, 1979
NB	ARC	3.5HWT	211	IH48	2248	APRIL, 1976
NT	ARC	3.5HWT	215	FH14	2313,V-01	MARCH, 1977
NT	ARC	3.5HWT	215	FH14	2313,V-02	MARCH, 1977
NT	ARC	3.5HWT	215	FH14	2313,V-03	MARCH, 1977
NV	ARC	3.5HWT	216	OH53A	2317	JAN., 1980
D7	ARC	3.5HWT	218	IH42	2524	IN PROCESS
2D	ARC	3.5HWT	222	IH68	2357	JUNE, 1983
3Z	ARC	3.5HWT	227	IH100	2418	OCT., 1978
2O	ARC	3.5HWT	228-1	IH51A	2393,V-01	FEB., 1984
2O	ARC	3.5HWT	228-1	IH51A	2393,V-02	FEB., 1984
2O	ARC	3.5HWT	228-1	IH51A	2393,V-03	FEB., 1984
2O	ARC	3.5HWT	228-1	IH51A	2393,V-04	FEB., 1984
2P	ARC	3.5HWT	230	IH99	2452	SEPT., 1982
2V	ARC	3.5HWT	233-1	IH73	2407	SEPT., 1982
2W	ARC	3.5HWT	234-1	IH90	2412,V-01	DEC., 1982

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
2W	ARC	3.5HWT	234-1	IH90	2412,V-02	DEC.,	1982
2X	ARC	3.5HWT	235	OH58	2417	JUNE,	1979
3A	ARC	3.5HWT	237	FH16	2423	JAN.,	1980
3C	ARC	3.5HWT	239	IH51B	2429	APRIL,	1982
3F	ARC	3.5HWT	241	IH51C	2448,V-01	OCT.,	1980
3F	ARC	3.5HWT	241	IH51C	2448,V-02	OCT.,	1980
3N	ARC	3.5HWT	244	IH51D	2461	MARCH,	1984
3P	ARC	3.5HWT	245	IH103	2467	AUGUST,	1981
3R	ARC	3.5HWT	247	OH105B	2468	JUNE,	1982
3W	ARC	3.5HWT	250	IH104	2480	AUGUST,	1983
AG	ARC	3.5HWT	253	OH110	2495	OCT.,	1981
AH	ARC	3.5HWT	254	OH108	2494	JUNE,	1982
NA	ARC	40SWT	462	OA100	2261,V-01	JULY,	1982
NA	ARC	40SWT	462	OA100	2261,V-02	JULY,	1982
NM	ARC	40SWT	473	OA164	2499	AUGUST,	1981
NO	ARC	40SWT	479	OA174	2302,V-01	MAY,	1982
NO	ARC	40SWT	479	OA174	2302,V-02	MAY,	1982
2M	ARC	40SWT	500	OA237	2375	DEC.,	1980
EB	ARC	66SWT	630	IA29	2077,V-01	MAY,	1974

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
EB	ARC	66SWT	630	IA29	2077,V-02	MAY,	1974
EB	ARC	66SWT	630	OA63	2077,V-03	MAY,	1974
BH	ARC	66SWT	650	OA3	2009	JUNE,	1973
BT	ARC	66SWT	706	OA43	2050	NOV.,	1973
ER	ARC	66SWT	709	OA59	2159,V-01	OCT.,	1974
ER	ARC	66SWT	709	OA59	2159,V-02	OCT.,	1974
E5	ARC	87SWT	044	IA82C	2219,V-01	APRIL,	1976
E5	ARC	87SWT	044	IA82C	2219,V-02	APRIL,	1976
2K	ARC	87SWT	115-1	OA149B/C	2370,V-01	APRIL,	1980
2K	ARC	87SWT	115-1	OA149B/C	2370,V-02	APRIL,	1980
2K	ARC	87SWT	115-1	OA149B/C	2370,V-03	MAY,	1980
2H	ARC	87SWT	118-1	OA145C	2389,V-01	JUNE,	1981
2H	ARC	87SWT	118-1	OA145C	2389,V-02	JUNE,	1981
2H	ARC	87SWT	118-1	OA145C	2389,V-03	JUNE,	1981
2I	ARC	87SWT	119	OA221B/C	2360,V-01	DEC.,	1980
2I	ARC	87SWT	119	OA221B/C	2360,V-02	DEC.,	1980
3G	ARC	87SWT	318-1	OA146	2445,V-01	JUNE,	1983
3G	ARC	87SWT	318-1	OA146	2445,V-02	JUNE,	1983
BZ	ARC	87SWT	710	IA12C	2065,V-01	APRIL,	1975
BZ	ARC	87SWT	710	IA120	2065,V-02	APRIL,	1975

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
BZ	ARC	87SWT	710	IA12C	2065,V-03	APRIL,	1975
EL	ARC	87SWT	747	OA53C	2185	SEPT.,	1974
ET	ARC	97SWT	019	IA81B	2194,V-01	NOV.,	1975
ET	ARC	97SWT	019	IA81B	2194,V-02	DEC.,	1975
ET	ARC	97SWT	019	IA81B	2194,V-03	DEC.,	1975
ET	ARC	97SWT	019	IA81B	2194,V-04	DEC.,	1975
ET	ARC	97SWT	019	IA81B	2194,V-05	DEC.,	1975
E6	ARC	97SWT	044	IA82B	2231,V-01	APRIL,	1976
E6	ARC	97SWT	044	IA82B	2231,V-02	APRIL,	1976
E1	ARC	97SWT	052	IA110	2189	MARCH,	1975
NK	ARC	97SWT	113	IS2A/B	2284,V-01	MAY,	1977
NK	ARC	97SWT	113	IS2A/B	2284,V-02	MAY,	1977
2K	ARC	97SWT	115-1	OA149B/C	2370,V-01	APRIL,	1980
2K	ARC	97SWT	115-1	OA149B/C	2370,V-02	APRIL,	1980
2K	ARC	97SWT	115-1	OA149B/C	2370,V-03	MAY,	1980
G2	ARC	97SWT	118-1	OA145B	2364,V-01	FEB.,	1981
G2	ARC	97SWT	118-1	OA145B	2364,V-02	MARCH,	1981
G2	ARC	97SWT	118-1	OA145B	2364,V-03	FEB.,	1981
2I	ARC	97SWT	119-1	OA221B/C	2360,V-01	DEC.,	1980
2I	ARC	97SWT	119-1	OA221B/C	2360,V-02	DEC.,	1980

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
NN	ARC	97SWT	166-1	OS13	2287	IN PROCESS	
2U	ARC	97SWT	242-1	IA105B	2413,V-01	FEB.,	1982
2U	ARC	97SWT	242-1	IA105B	2413,V-02	FEB.,	1982
3D	ARC	97SWT	246-1	IA138	2438,V-01	FEB.,	1982
3D	ARC	97SWT	246-1	IA138	2438,V-02	FEB.,	1982
3D	ARC	97SWT	246-1	IA138	2438,V-03	FEB.,	1982
2T	ARC	97SWT	272	IA156B	2408,V-01	JULY,	1980
2T	ARC	97SWT	272	IA156B	2408,V-02	JULY,	1980
2T	ARC	97SWT	272	IA156B	2408,V-03	JULY,	1980
2Z	ARC	97SWT	282-1	OA251B/C	2421,V-01	DEC.,	1980
2Z	ARC	97SWT	282-1	OA251B/C	2421,V-02	DEC.,	1980
3E	ARC	97SWT	283-1	IA131B/C	2462,V-01	MARCH,	1983
3E	ARC	97SWT	283-1	IA131B/C	2462,V-02	MARCH,	1983
3K	ARC	97SWT	347-1	IA184	2456,V-01	SEPT.,	1980
3K	ARC	97SWT	347-1	IA184	2456,V-02	SEPT.,	1980
AJ	ARC	97SWT	464	OS55/57	2465	MARCH,	1984
AQ	ARC	97SWT	501-1	OS304B	2502	AUGUST,	1982
AO	ARC	97SWT	503-1	OS302B	2504	SEPT.,	1982
A9	ARC	97SWT	582-1	OS314A/B/C	2517	OCT.,	1984
BJ	ARC	97SWT	616	IA2	2013	FEB.,	1974
BV	ARC	97SWT	710	IA12B	2048	JULY,	1974

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
B4	ARC	97SWT	716	OA22B	2131	MAY,	1975
B3	ARC	97SWT	716	IA14B	2129,V-01	MAY,	1975
B3	ARC	97SWT	716	IA14B	2129,V-02	MAY,	1975
EK	ARC	97SWT	747	OA53B	2178	AUGUST,	1974
UQ	CALSPAN	LT	I95-100	IH75	2453	JUNE,	1979
UG	CALSPAN	48HST	I73-100	OH12	2164,V-02	JAN.,	1976
UL	CALSPAN	48HST	I81	IH5	2308	OCT.,	1976
UI	CALSPAN	48HST	I84-120	OA93	2238	NOV.,	1976
UH	CALSPAN	48HST	I84-220	OA113	2234	JULY,	1975
UJ	CALSPAN	48HST	I85-131	IH33	2249	JUNE,	1979
UM	CALSPAN	48HST	I89	IH43	2319	JUNE,	1979
UG	CALSPAN	48HST	173-100	OH12	2164,V-01	JAN.,	1976
UG	CALSPAN	48HST	173-100	OH12	2164,V-03	DEC.,	1975
UF	CALSPAN	8TWT	T14-053	IA36	2064,V-01	DEC.,	1975
UF	CALSPAN	8TWT	T14-053	IA36	2064,V-02	DEC.,	1975
UK	CALSPAN	8TWT	T18-103	LA70	2269	SEPT.,	1976
UN	CALSPAN	8TWT	T18-111	LA82	2374	OCT.,	1982

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
UO	CALSPAN	96HST	131	OH66	2359	MARCH, 1978
GN	JSC		56-A-76	OH78	2371	MAY, 1978
5A	JSC		61-A-78	OH79	2443	JUNE, 1979
PX	LARC	CFHT	100	LA25	2126	CANCELLED
QI	LARC	CFHT	101	OA85	2113	OCT., 1974
QU	LARC	CFHT	102	LA35	2127	JULY, 1974
HH	LARC	CFHT	104	LA47	2191	JULY, 1975
QQ	LARC	CFHT	105	LA34	2328	AUGUST, 1976
QK	LARC	CFHT	107	IA58	2133	JULY, 1974
H1	LARC	CFHT	108	IA60	2137,V-01,R-01	SEPT., 1974
H2	LARC	CFHT	109	OA105	2137,V-02	JULY, 1974
QJ	LARC	CFHT	110	OA90	2149	AUGUST, 1975
HD	LARC	CFHT	112	OH51	2368	APRIL, 1977
HL	LARC	CFHT	113	OA82	2195	FEB., 1975
HX	LARC	CFHT	114	LA57	2454,V-03	APRIL, 1979
JA	LARC	CFHT	118	MA22	2267,V-01	JUNE, 1976
JA	LARC	CFHT	118	MA22	2267,V-02	JUNE, 1976
JA	LARC	CFHT	118	MA22	2267,V-03	JUNE, 1976
JA	LARC	CFHT	118	MA22	2267,V-04	JUNE, 1976

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
K2	LARC	CFHT	130	LA93	2383	IN PROCESS
OZ	LARC	CFHT	85	LA3	2031	JUNE, 1973
OT	LARC	CFHT	89	MA4	2008	JAN., 1973
OT	LARC	CFHT	89	MA4	2008,R-01	MAY, 1973
PD	LARC	CFHT	96	LA11	2066	NOV., 1973
QO	LARC	CFHT	97	LA32	2168	MAY, 1974
QN	LARC	CFHT	98	LA31	2047	FEB., 1974
PF	LARC	CFHT	99	LA13	2135	CANCELLED
QS	LARC	CF4	121-137	OH45	2109	JAN., 1976
HO	LARC	CF4	220-237	LA53	2213	IN PROCESS
J5	LARC	CF4	267-268	LA78	2311	AUGUST, 1976
QM	LARC	CF4	97-118	IH18	2110	JAN., 1976
QE	LARC	HNT	28	IH19	2157	DEC., 1975
QD	LARC	HNT	30-31	OA89	2214	APRIL, 1975
HW	LARC	LARC	699	LA56	2224	MARCH, 1978
P7	LARC	LTPT	130/135	LA9	2056	NOV., 1973
PP	LARC	LTPT	138	OA17	2058	MARCH, 1974

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
PU	LARC	LTPT	141	LA23	2070	OCT., 1973
JS	LARC	LTPT	214	LA36B	2292	IN PROCESS
J2	LARC	LTPT	219	LA61	2278	CANCELLED
JE	LARC	LTPT	227	LA73A	2298	MAY, 1978
JT	LARC	LTPT	228	LA61B	2300	OCT., 1976
JP	LARC	LTPT	229	LA81	2296,V-01	AUGUST, 1976
JP	LARC	LTPT	229	LA81	2296,V-02	AUGUST, 1976
KA	LARC	LTPT	246	LA104	2387	CANCELLED
KU	LARC	LTPT	255	LA127	2441	IN PROCESS
HR	LARC	TDT	246	OS7	2363	APRIL, 1977
HR	LARC	TDT	246	OS6	2365	APRIL, 1977
OQ	LARC	UPWT	1002	MA5	2001	NOV., 1972
OV	LARC	UPWT	1007	OA7	2014	MARCH, 1973
P8	LARC	UPWT	1015	LA10	2052	NOV., 1973
P6	LARC	UPWT	1023/1034	LA8A	2054	NOV., 1973
PM	LARC	UPWT	1031	MA7	2069	JAN., 1974
PN	LARC	UPWT	1035	OA44	2057	NOV., 1974
P6	LARC	UPWT	1040	LA8C	2090	MARCH, 1974
PQ	LARC	UPWT	1041	IH16	2166	JULY, 1975

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
PV	LARC	UPWT	1043	OA70	2073	MARCH, 1974
PG	LARC	UPWT	1046/1049	LA14A	2106	JAN., 1975
Q6	LARC	UPWT	1056/1073	IA42A	2119	AUGUST, 1974
Q2	LARC	UPWT	1057	OA20A	2083	FEB., 1974
Q2	LARC	UPWT	1057	OA20C	2147	MAY, 1974
Q3	LARC	UPWT	1059	IH4	2138,V-01	MAY, 1976
Q3	LARC	UPWT	1059	IH4	2138,V-02	JULY, 1976
Q3	LARC	UPWT	1059	IH4	2138,V-03	JULY, 1976
Q3	LARC	UPWT	1059	IH4	2138,V-04	JULY, 1976
Q4	LARC	UPWT	1063	IA35	2108	MAY, 1974
Q7	LARC	UPWT	1071	IH1	2153	OCT., 1977
H5	LARC	UPWT	1074	LA43A/B	2199	OCT., 1976
QY	LARC	UPWT	1075	LA39	2188	IN PROCESS
H9	LARC	UPWT	1087	SA25F	2150	MARCH, 1975
H8	LARC	UPWT	1088/1119	IA44	2206	MAY, 1975
HG	LARC	UPWT	1092//1117	LA46A/B	2228	IN PROCESS
Q2	LARC	UPWT	1097	OA20B	2163	SEPT., 1974
HJ	LARC	UPWT	1101	LA49	2182	APRIL, 1977
HA	LARC	UPWT	1115	SH12F	2216	AUGUST, 1975
J4	LARC	UPWT	1118	LA63A	2270	DEC., 1975
HB	LARC	UPWT	1145	LA45A/B	2297	NOV., 1976

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
JC	LARC	UPWT	1147 /1132	LA71A/B	2271	FEB., 1977
J4	LARC	UPWT	1151	LA63B	2279	JUNE, 1976
JK	LARC	UPWT	1152	IA94A	2323	FEB., 1977
JH	LARC	UPWT	1173	LA75	2318,V-01	DEC., 1976
JH	LARC	UPWT	1173	LA75	2318,V-02	DEC., 1976
JW	LARC	UPWT	1177	IA94B	2324	FEB., 1977
KD	LARC	UPWT	1194	LA101	2390	JUNE, 1980
KR	LARC	UPWT	1207 LG2	LA124	2426	JUNE, 1978
KI	LARC	UPWT	1212	LA110	2396	DEC., 1977
KK	LARC	UPWT	1217	LA114	2399	NOV., 1977
KS	LARC	UPWT	1243	LA125	2432	OCT., 1981
KV	LARC	UPWT	1267	IA180	2457	MARCH, 1981
KX	LARC	UPWT	1270	LA122	2446	IN PROCESS
7A	LARC	UPWT	1299	LA131	2478,V-01	AUGUST, 1980
7A	LARC	UPWT	1299	LA131	2478,V-02	AUGUST, 1980
7A	LARC	UPWT	1299	LA131	2478,V-03	AUGUST, 1980
7B	LARC	UPWT	1311	OA255	2498	AUGUST, 1983
7H	LARC	UPWT	1345 /1390	LA145	2336	MAY, 1983
P1	LARC	UPWT	995 /1014	LA4	2033	JULY, 1973
J7	LARC	V/STOL	114	OA155	2237	IN PROCESS

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
JF	LARC	V/STOL	129	CA8	2290,V-01	NOV.,	1976
JF	LARC	V/STOL	129	CA8	2290,V-02	NOV.,	1976
JF	LARC	V/STOL	129	CA8	2290,V-03	NOV.,	1976
JU	LARC	16TT	312	OA224	2329	AUGUST,	1981
KP	LARC	16TT	325	OA270B/C	2419	SEPT.,	1978
KN	LARC	16TT	326	OA270A	2430,V-01	MARCH,	1981
KN	LARC	16TT	326	OA270A	2430,V-02	MARCH,	1981
KN	LARC	16TT	326	OA270A	2430,V-03	MARCH,	1981
KW	LARC	16TT	341	LA132	2471	JAN.,	1981
KY	LARC	16TT	342	LA140	2475	AUGUST,	1980
D6	LARC	16TT	390	LA301	2523	IN PROCESS	
PH	LARC	20HT6	441	LA15	2079	APRIL,	1974
HN	LARC	20HT6	6458	LA52	2220,V-08	DEC.,	1984
KZ	LARC	20HT6	6546	LA141A/B	2477	JUNE,	1981
7E	LARC	20HT6	6559	OA257	2466,V-01	JULY,	1983
7E	LARC	20HT6	6559	OA257	2466,V-02	JULY,	1983
ON	LARC	22HT	405	LA22	2034	JULY,	1973
OS	LARC	22HT	409	MA2	2003	APRIL,	1973

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
OY	LARC	22HT	411	LA2	2023	JUNE, 1973
P2	LARC	22HT	413	LA5	2036	AUGUST, 1973
PT	LARC	22HT	415	OA72	2092	NOV., 1974
QC	LARC	22HT	422	OA88	2125	SEPT., 1974
H3	LARC	22HT	426	LA40	2176	MAY, 1978
HE	LARC	22HT	431	OA109	2205	MAY, 1975
J8	LARC	22HT	439	LA68	2256	IN PROCESS
JY	LARC	22HT	445	LA85	2343	DEC., 1981
PZ	LARC	26TBT	544	OS2	2067	AUGUST, 1973
QT	LARC	26TBT	545	OS1	2094	MARCH, 1974
HF	LARC	26TBT	547	IS4	2146	APRIL, 1974
H7	LARC	60VS	R3289	OA99	2172	OCT., 1974
JN	LARC	710HST	999	LA80	2299	JUNE, 1977
OU	LARC	8TPT	626	LA1	2002	MARCH, 1973
P4	LARC	8TPT	643	LA6	2040	AUGUST, 1973
P5	LARC	8TPT	644	LA7A	2041	OCT., 1973
PC	LARC	8TPT	648	LA17	2046	AUGUST, 1973

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
PS	LARC	8TPT	655	SA2FA	2088	JULY,	1974
P5	LARC	8TPT	657/660	LA7B	2091	MARCH,	1975
Q1	LARC	8TPT	661	OA25	2089	APRIL,	1974
Q8	LARC	8TPT	667	IA41	2118	AUGUST,	1974
QZ	LARC	8TPT	668	OA106	2120	JAN.,	1975
QX	LARC	8TPT	669	LA38A	2121	CANCELLED	
QX	LARC	8TPT	676	LA38B	2239	IN PROCESS	
H6	LARC	8TPT	677	LA44	2200	OCT.,	1976
HI	LARC	8TPT	680	LA48	2184	APRIL,	1977
HV	LARC	8TPT	684	LA51	2183	FEB.,	1977
HU	LARC	8TPT	686	OA116	2186	JAN.,	1975
HM	LARC	8TPT	687	OA102	2229	FEB.,	1975
HC	LARC	8TPT	693	IA43	2204	MAY,	1975
HZ	LARC	8TPT	703	LA59	2233	JUNE,	1977
J1	LARC	8TPT	704	LA60A	2259	CANCELLED	
J9	LARC	8TPT	714	LA69	2257	SEPT.,	1977
KB	LARC	8TPT	715	LA60B	2260	IN PROCESS	
J3	LARC	8TPT	717	LA62	2264	DEC.,	1975
JD	LARC	8TPT	740	LA72	2309	NOV.,	1976
JJ	LARC	8TPT	749	IA93	2326,V-01	JAN.,	1977
JJ	LARC	8TPT	749	IA93	2326,V-02	FEB.,	1977

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
J6	LARC	8TPT	758	LA91	2352	JAN., 1978
K1	LARC	8TPT	764	LA92	2362	IN PROCESS
K9	LARC	8TPT	769	LA99	2373	MARCH, 1981
KC	LARC	8TPT	776	LA106	2379	IN PROCESS
KE	LARC	8TPT	779	IA244	2391	MARCH, 1982
KF	LARC	8TPT	780	LA107	2381	JUNE, 1983
KH	LARC	8TPT	780	LA113	2397	APRIL, 1982
KJ	LARC	8TPT	786	LA111	2395	JAN., 1978
KL	LARC	8TPT	803	LA115	2409	SEPT., 1981
KM	LARC	8TPT	804	LA116	2411	IN PROCESS
KQ	LARC	8TPT	813	LA117	2425	IN PROCESS
7C	LARC	8TPT	905,6,7,9	OS53A	2503	JULY, 1982
OX	LARC	8VDHT	3619/3670	OH40	2049	JULY, 1973
P3	LARC	8VDHT	3778//3855	OH41	2075	OCT., 1973
P9	LARC	8VDHT	4060//4079	OH41A	2076	OCT., 1973
PA	LARC	8VDHT	4080/4105	OH42A	2101	JAN., 1974
QR	LARC	8VDHT	4502-4601	OH46	2350	APRIL, 1977
PB	LARC	8VDHT	624	LA16	2043	JUNE, 1973
PO	LARC	8VDHT	644	OH13	2096	AUGUST, 1974
PR	LARC	8VDHT	646/647	IH17	2105	SEPT., 1976

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
QL	LARC	8VDHT	648	OH14	2117	SEPT.,	1976
PK	LARC	8VDHT	653	LA20	2107	MARCH,	1975
GG	LERC	SPF		OH64	2288	NOV.,	1977
GE	LERC	10SWT	035	SA6F	2161	FEB.,	1975
GF	LERC	10SWT	038	IH34	2282	APRIL,	1978
GK	LERC	10SWT	041	IH39	2435	OCT.,	1978
GY	LERC	10SWT	042	OA234	2400	OCT.,	1980
GZ	LERC	10SWT	044	IH83	2440	FEB.,	1979
GI	LERC	10SWT	045	IH11	2428,V-01	FEB.,	1981
GI	LERC	10SWT	045	IH11	2428,V-02	FEB.,	1981
GI	LERC	10SWT	045	IH11	2428,V-03	FEB.,	1981
GI	LERC	10SWT	045	IH11	2428,V-04	FEB.,	1981
A4	LERC	10SWT	074	OA310B	2459,V-02	AUGUST,	1984
A4	LERC	86SWT	046	OA310A	2459,V-02	AUGUST,	1984
DE	LTV	HSWT	458	IA4	2015,V-01	JULY,	1973
DE	LTV	HSWT	458	IA4	2015,V-02	JULY,	1973
FO	LTV	HSWT	488	OA84	2037	SEPT.,	1974

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
QB	LTV	HSWT	498	LA28	2280	JAN., 1976
HY	LTV	HSWT	512	LA58	2215	FEB., 1976
FD	LTV	HSWT	552	LA67	2266	JULY, 1976
FE	LTV	HSWT	559	CA26	2273,V-01	MAY, 1976
FE	LTV	HSWT	559	CA26	2273,V-02	JUNE, 1976
FE	LTV	HSWT	559	CA26	2273,V-03	JUNE, 1976
FE	LTV	HSWT	559	CA26	2273,V-04	JUNE, 1976
FE	LTV	HSWT	559	CA26	2273,V-05	JUNE, 1976
FI	LTV	HSWT	573	LA76	2305,V-01	JUNE, 1977
FI	LTV	HSWT	573	LA76	2305,V-02	JUNE, 1977
FR	LTV	HSWT	611	LA109	2394	IN PROCESS
KY	LTV	HSWT	646	LA128	2442	IN PROCESS
FS	LTV	HSWT	742	LA144	2484	IN PROCESS
FG	LTV	LSWT	422	MA14	2283	NOV., 1976
DD	LTV	1520SWT	S-081	MA1	2004	NOV., 1972
1E	MSFC	HRWT	033	SA29F	2207	JULY, 1976
1F	MSFC	HRWT	034	SA13F	2277	JULY, 1976
1T	MSFC	HRWT	039	SA31F	2369	FEB., 1982

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
1U	MSFC	IPBF	027	OH8	2382	NOV.,	1977
6C	MSFC	TWT	668	IA603	2416	JUNE,	1981
72	MSFC	14TWT	545	IA1B	2010	MAY,	1973
79	MSFC	14TWT	554	SA1F	2012	APRIL,	1973
76	MSFC	14TWT	555	OA1	2005	NOV.,	1972
77	MSFC	14TWT	556	IA1A	2006	DEC.,	1972
78	MSFC	14TWT	558	MA9F	2011	APRIL,	1973
80	MSFC	14TWT	565	SA3F	2025	MAY,	1973
81	MSFC	14TWT	566	IA31F	2026	SEPT.,	1973
82	MSFC	14TWT	567	IA32FB	2027,V-01	SEPT.,	1975
82	MSFC	14TWT	567	IA32FB	2027,V-02	OCT.,	1975
82	MSFC	14TWT	567	IA32FB	2027,V-03	OCT.,	1975
84	MSFC	14TWT	568	OA47	2029	MAY,	1973
83	MSFC	14TWT	570	IA31FB	2028,V-01	DEC.,	1974
83	MSFC	14TWT	570	IA31FB	2028,V-02	DEC.,	1974
85	MSFC	14TWT	571	IA6A	2039	MARCH,	1974
86	MSFC	14TWT	572	SA5F	2051	AUGUST,	1973
90	MSFC	14TWT	573	IA31FC	2072	JAN.,	1974
87	MSFC	14TWT	574	OA48	2055,V-01	SEPT.,	1973

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
87	MSFC	14TWT	574	OA48	2055,V-02	SEPT.,	1973
87	MSFC	14TWT	574	OA48	2055,V-03	NOV.,	1973
91	MSFC	14TWT	578	SA10F	2087	SEPT.,	1974
88	MSFC	14TWT	579/580	IA37	2063	NOV.,	1973
92	MSFC	14TWT	581	OA49	2095	SEPT.,	1974
1B	MSFC	14TWT	582	IS6A	2158	OCT.,	1976
99	MSFC	14TWT	583	TA1F	2145	OCT.,	1974
98	MSFC	14TWT	584	IA52	2042	MARCH,	1974
93	MSFC	14TWT	585	IA37B	2093	MARCH,	1974
97	MSFC	14TWT	587	FA4	2142	AUGUST,	1974
96	MSFC	14TWT	588	IA53	2123	JAN.,	1975
94	MSFC	14TWT	589	IA62F	2103	APRIL,	1974
95	MSFC	14TWT	590/595	SA26F	2111	NOV.,	1974
1C	MSFC	14TWT	594	IA33	2174,V-01	NOV.,	1975
1C	MSFC	14TWT	594	IA33	2174,V-02	NOV.,	1975
1C	MSFC	14TWT	594	IA33	2174,V-03	NOV.,	1975
1A	MSFC	14TWT	596	TA2F	2165,V-01	DEC.,	1975
1A	MSFC	14TWT	596	TA2F	2165,V-02	DEC.,	1975
1A	MSFC	14TWT	596	TA2F	2165,V-03	DEC.,	1975
1A	MSFC	14TWT	596	TA2F	2165,V-04	JAN.,	1976
1A	MSFC	14TWT	596	TA2F	2165,V-05	DEC.,	1975

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
1D	MSFC	14TWT	599	OA108	2190	JUNE, 1975
1L	MSFC	14TWT	600	FA14	2274	FEB., 1976
1I	MSFC	14TWT	603	SA28F	2244	AUGUST, 1977
1H	MSFC	14TWT	604	SA8F	2223	JULY, 1975
1M	MSFC	14TWT	607	OA131	2232	JUNE, 1975
1G	MSFC	14TWT	609	TA3F	2208,V-01	JAN., 1976
1G	MSFC	14TWT	609	TA3F	2208,V-02	JAN., 1976
1K	MSFC	14TWT	610	IA71	2227	NOV., 1975
1J	MSFC	14TWT	611	SA30F	2235	NOV., 1975
1O	MSFC	14TWT	620	SA14FA	2325	NOV., 1976
1N	MSFC	14TWT	622	IA125	2253	JAN., 1976
IP	MSFC	14TWT	640	SA14FB	2310,V-01	AUGUST, 1977
IP	MSFC	14TWT	640	SA14FB	2310,V-02	AUGUST, 1977
1Q	MSFC	14TWT	641 /646	IA140A/B	2335	DEC., 1979
1R	MSFC	14TWT	645	SA21F	2345	OCT., 1978
1U	MSFC	14TWT	649	IA181	2406	JULY, 1982
1X	MSFC	14TWT	652	FA25	2437	FEB., 1979
1Y	MSFC	14TWT	655	FA27	2460	IN PROCESS
1Z	MSFC	14TWT	656	FA28	2474	JULY, 1981
6A	MSFC	14TWT	658	IA600	2479	IN PROCESS
6B	MSFC	14TWT	665	IA602	2481	JUNE, 1983

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
A6	MSFC	14TWT	692	FA301	2514	JULY, 1984
D1	MSFC	14TWT	695	IA301	2518	IN PROCESS
DF	NRLAD	LSWT	689	OA2	2016	APRIL, 1973
DG	NRLAD	LSWT	690	OA5	2017	APRIL, 1973
DH	NRLAD	LSWT	693	IA3	2018	JUNE, 1973
DI	NRLAD	LSWT	694	OA6	2019	JUNE, 1973
DJ	NRLAD	LSWT	696	OA9	2020	JUNE, 1973
DK	NRLAD	LSWT	698	OA10	2022	JUNE, 1973
DL	NRLAD	LSWT	699	OA45	2021,V-01	NOV., 1973
DL	NRLAD	LSWT	699	OA45	2021,V-02	OCT., 1973
DM	NRLAD	LSWT	700	OA14	2030	AUGUST, 1973
DN	NRLAD	LSWT	701	OA16	2038	FEB., 1974
DO	NRLAD	LSWT	704	OA18	2045	SEPT., 1973
DP	NRLAD	LSWT	705	OA21B	2053,V-01	DEC., 1973
DP	NRLAD	LSWT	705	OA21B	2053,V-02	FEB., 1974
DS	NRLAD	LSWT	708	OA71A	2068	DEC., 1973
DT	NRLAD	LSWT	709	OA57A	2074	OCT., 1974
DQ	NRLAD	LSWT	711	OA69	2081,V-01	JAN., 1976
DQ	NRLAD	LSWT	711	OA69	2081,V-02	JAN., 1976
DU	NRLAD	LSWT	712	OA71C	2086	FEB., 1974

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
DV	NRLAD	LSWT	713	OA57B	2080,V-01	OCT.,	1974
DV	NRLAD	LSWT	713	OA57B	2080,V-02	OCT.,	1974
DW	NRLAD	LSWT	715	OA62A	2097	JUNE,	1974
DX	NRLAD	LSWT	716	OA86	2114	JUNE,	1974
DZ	NRLAD	LSWT	717	OA62B	2104,V-01	JULY,	1974
DX	NRLAD	LSWT	717	OA62B	2104,V-02	AUGUST,	1974
F2	NRLAD	LSWT	719	OA37	2140	SEPT.,	1974
F5	NRLAD	LSWT	721	OA110	2155	SEPT.,	1974
F6	NRLAD	LSWT	724	OA118	2139	OCT.,	1974
F8	NRLAD	LSWT	726	OA119A	2187	NOV.,	1974
F9	NRLAD	LSWT	730	OA119B	2203	APRIL,	1975
FA	NRLAD	LSWT	731	OA123	2202	APRIL,	1975
FB	NRLAD	LSWT	736	OA124	2209	JUNE,	1975
FC	NRLAD	LSWT	737	OA143	2221	JULY,	1975
FF	NRLAD	LSWT	751	OA163	2289,V-01	DEC.,	1976
FF	NRLAD	LSWT	751	OA163	2289,V-02	DEC.,	1976
FF	NRLAD	LSWT	751	OA163	2289,V-03	DEC.,	1976
FF	NRLAD	LSWT	751	OA163	2289,V-04	DEC.,	1976
FG	NRLAD	LSWT	752	OA172	2294,V-01	JUNE,	1981
FG	NRLAD	LSWT	752	OA172	2294,V-02	JUNE,	1981
FJ	NRLAD	LSWT	754	OA176	2314	FEB.,	1981

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
FL	NRLAD	LSWT	757	OA228	2322	NOV., 1981
FM	NRLAD	LSWT	759	OA236	2337	DEC., 1979
FN	NRLAD	LSWT	764	OA238	2351	JAN., 1982
FO	NRLAD	LSWT	766	OA223	2402	NOV., 1978
FP	NRLAD	LSWT	768	OA163B	2361,V-01	OCT., 1977
FP	NRLAD	LSWT	768	OA163B	2361,V-02	OCT., 1977
FQ	NRLAD	LSWT	775	OA250	2392	DEC., 1977
D2	NRLAD	LSWT	838	OA309	2519	OCT., 1984
DR	NRLAD	7TWT	276	OA68	2061	DEC., 1973
DY	NRLAD	7TWT	278	OA91	2116	APRIL, 1974
F3	NRLAD	7TWT	280	IA69	2122	DEC., 1974
F4	NRLAD	7TWT	281	IA68	2144	NOV., 1974
F7	NRLAD	7TWT	282	IA70	2175,V-01	DEC., 1974
F7	NRLAD	7TWT	282	IA70	2175,V-02	DEC., 1974
F7	NRLAD	7TWT	282	IA70	2175,V-03	DEC., 1974
FK	NRLAD	7TWT	297	IA141	2315	AUGUST, 1976
GJ	NSWC		1310	OA171	2433	OCT., 1978
JM	NSWC	8A	1275	LA79	2291	IN PROCESS

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
GM	TBCA	BTWT	1431	CA5	2211,V-01	SEPT.,	1975
GN	TBCA	BTWT	1431	CA20	2217,V-01	JAN.,	1976
GM	TBCA	BTWT	1431	CA5	2211,V-02	SEPT.,	1975
GN	TBCA	BTWT	1431	CA20	2217,V-02	JAN.,	1976
GM	TBCA	BTWT	1431	CA5	2211,V-03	SEPT.,	1975
GN	TBCA	BTWT	1431	CA20	2217,V-03	JAN.,	1976
GP	TBCA	BTWT	1472	CA6	2262,V-01	NOV.,	1976
GP	TBCA	BTWT	1472	CA6	2262,V-02	NOV.,	1976
GQ	TBCA	BTWT	1477	CA9	2268,V-01	JUNE,	1979
GQ	TBCA	BTWT	1477	CA9	2268,V-02	JUNE,	1979
GQ	TBCA	BTWT	1477	CA9	2268,V-03	JUNE,	1979
GQ	TBCA	BTWT	1477	CA9	2268,V-04	JUNE,	1979
GQ	TBCA	BTWT	1477	CA9	2268,V-05	JUNE,	1979
GV	TBCA	BTWT	1490/1493	CS4/5	2341	OCT.,	1976
GR	TBCA	BTWT	1496 /1497	CA14A	2307,V-01	SEPT.,	1981
GR	TBCA	BTWT	1496 /1497	CA14A	2307,V-02	SEPT.,	1981
GL	UW	LSWT	1136	CA3	2201	DEC.,	1981
GO	UW	LSWT	1146	CA11	2236	DEC.,	1975
GU	UW	LSWT	1170	CS3	2338	NOV.,	1976
GS	UW	LSWT	1173	CA15A	2347,V-01	JUNE,	1980

TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
GT	UW	LSWT	1178	CA15B	2348,V-01	JUNE, 1980
GW	UW	LSWT	1184	CA17	2349	NOV., 1977

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