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PROGRAM DOCUMENTATION FOR THE SPACE ENVIRONMENT TEST DIVISION POST-TEST DATA REDUCTION PROGRAM (GNFLEX)

Job Order 83-337

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Prepared By

Computer Sciences Corporation
Applied Technology Division
Houston, Texas

Under Contract NAS 9-15700

For

INSTITUTIONAL DATA SYSTEMS DIVISION

June 1979

CSC-0419

PROGRAM DOCUMENTATION FOR THE SPACE ENVIRONMENT TEST DIVISION POST-TEST DATA REDUCTION PROGRAM (GNFLEX)

Job Order 83-337

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ACRONYMS

FIXSR	FIXED SAMPLE RATE
FIXSRT	fixed sample rate output tape
FLEX	Flexible Data System
SEEL	Space Environment Effects Laboratory
SESL	Space Environment Simulation Laboratory
SETD	Space Environment Test Division
TA	Task Agreement
THT	test history tape

1.0 IDENTIFICATION

Title:	Program Documentation for the Space Environment Test Division Post-Test Data Reduction Program
Acronym:	GNFLEX
Program number:	JSC-14915
Author:	L. D. Jones
Date:	June 1979
Installation:	Lyndon B. Johnson Space Center (JSC), Houston, Texas
Authorization:	Contract NAS 9-15700
Source language:	FORTRAN V and Assembly language
Computer:	UNIVAC 1108 and 1110
Operating system:	EXEC 8
Program listings:	To be maintained by the Engineering Development Department

2.0 DESCRIPTION

The Flexible Data System (FLEX) Tabulation Tape and the Space Environment Test Division (SETD) Post-Test Data Reduction Program (GNFLEX) operates as a driver program to the compressed data retrieval programs. Having passed basic information, GNFLEX initializes arrays, retrieves and stores data from test history tapes (THT's), and outputs data to an OUTLAW formatted tape if requested. PFLEX outputs a fixed sample rate (FIXSR) tape if requested. The FIXSR tape contains data for subsequent input to other programs such as X8PLOT. The OUTLAW tape contains data for input to the program OUTLAW which tabulates its data.

3.0 HISTORY

The Space Environment Test Division of JSC is developing a new data acquisition and control system to support thermal vacuum testing in the Space Environment Simulation Laboratory (SESL), and eventually, in the Space Environment Effects Laboratory (SEEL). The new system FLEX will provide a record of all sensor measurements and calculated values in engineering units and bit-coded information for events and radiation intensity measurement positioning information on magnetic tape.

A program called the Space Environment Test Division Post-Test Data Reduction Program (GNFLEX) was written to process the FLEX data. It produces output tapes containing the tabulation of selected measurements for a specified time period and the information required for plotting selected measurements over a specified time period.

The GNFLEX program was authorized by Job Order 83-337, Task Agreement (TA), and reference 1 (sec. 11.0). When applicable, the design for the GNFLEX program is modular and uses existing subroutines since the requested output products are the same as for the previous program (GNDACS).

4.0 ANALYSIS

GNFLEX reads a test history tape (THT) in compressed data format, checks time on the tape with output time specified by lead cards and either builds time to output with retrieved data or sorts retrieved data for output at a requested time. Output products include a tape in an FIXSR format and/or a tape in print format for tabulation.

GNFLEX reads and interprets the first lead cards to determine what subsequent processing will be performed.

The general processing scheme specifies GNFLEX to call the initialization subroutine IFLEX for each set of data base records to be processed. Data base records contain the item directory conversion file, item capture file, and process link file. The item directory is read and parallel tables are made to store item index numbers for measurement identification names as requested from lead cards. Descriptive information files are optionally printed and a data table is constructed and printed for all initial data values selected from the capture file. Status bits are used to determine whether the data is represented as floating point or digital data defined as setpoints. Status bits are also used to check for data quality and output format.

The retrieval subroutine RFLEX is called next to read periodic data records which include only data for measurements which have changed. Thus the format is generally considered to be compressed rather than at full rate.

The periodic data records are expected to follow the data base records and are identified by a physical tape record containing the periodic data indicator and time, followed by logical records for data items containing the item index status bits and data. Data is retrieved and stored in parallel arrays with time constructed as necessary for output to a fixed sample rate tape. The

data sequence written on the fixed sample rate tape, FIXSR, is in the same order as by lead card occurrence.

5.0 INPUT DESCRIPTIONS AND FORMATS

Input descriptions and formats may be obtained from Flexible Data System Basic Test software, magnetic tape format Space Environment Test Division (specifications, to be published). Reference 1 (sec. 11.0) contains the formats used for the GNFLEX program.

6.0 OUTPUT DESCRIPTIONS AND FORMATS

Driver program GNFLEX optionally specifies an OUTLAW tabulation and/or an FIXSR tape for output by subprogram RFLEX. Each output tape is described below.

6.1 OUTLAW TABULATION TAPE

The OUTLAW tabulation tape will be a 7-track, 800bpi, odd-parity tape. It will contain major and minor headers and data (including time) in a format compatible with the requirements of the general-purpose tabulation program, OUTLAW. General information on this tape is discussed in the following sections.

6.1.1 Contents

The tabulation tape will consist of three files:

a. Line count file;
b. Header file;
c. Data file.

The line count file, the first file of the tape, will consist of one 4095-word binary record with a count of the number of data lines in file 3 (the data file) that belong to particular tabulation group minor headers and a count of several dummy records of unspecified length.

The header file, the second file of the tape, will consist of several variable-length records (345 words per record maximum; one header per record). The records must appear in the order in which they will be tabulated. Major headers consist of as many as 15 lines of 22 words each and appear at the top of every page. They are used to label a major tabulation group. Major headers are followed by one or more minor headers that contain as many as 15 lines of five words each.

The data file, the last file of information on the tape, consists of an unlimited number of 1150-word records.* Each record contains 6-word unsorted output lines. One word contains the tabulation identification (ID) followed by five words of Fieldata ready for printing. One output line does not span two records.

6.1.2 Format

The format of the tabulation tape is presented in figure 6-1. Figures 6-2 through 6-4 present the specific file formats of the line count file, the header file, and the data file, respectively.

6.2 FIXED SAMPLE-RATE OUTPUT TAPE

The fixed sample-rate output tape (FIXSRT) contains data sampled at fixed intervals and time words corresponding to the periods at which the data were sampled. It is input to the general-purpose plot program (X8PLOT) which display the following general characteristics:

a. Standard seven-track digital magnetic tape.
b. 800bpi packing density.
c. Odd parity (binary mode).
d. Buffered tape (non-FORTRAN-compatible).
e. Fixed record length.**
f. End-of-file tape terminator.

---

*The last record may contain fewer than 1150 words.

**The record length is fixed after a run has begun but may vary for each separate execution. It should be computed as RL = NP + 1, where RL is the record length and NP is the number of floating point parameters to output for this run. One integer millisecond time word will be used for each record.

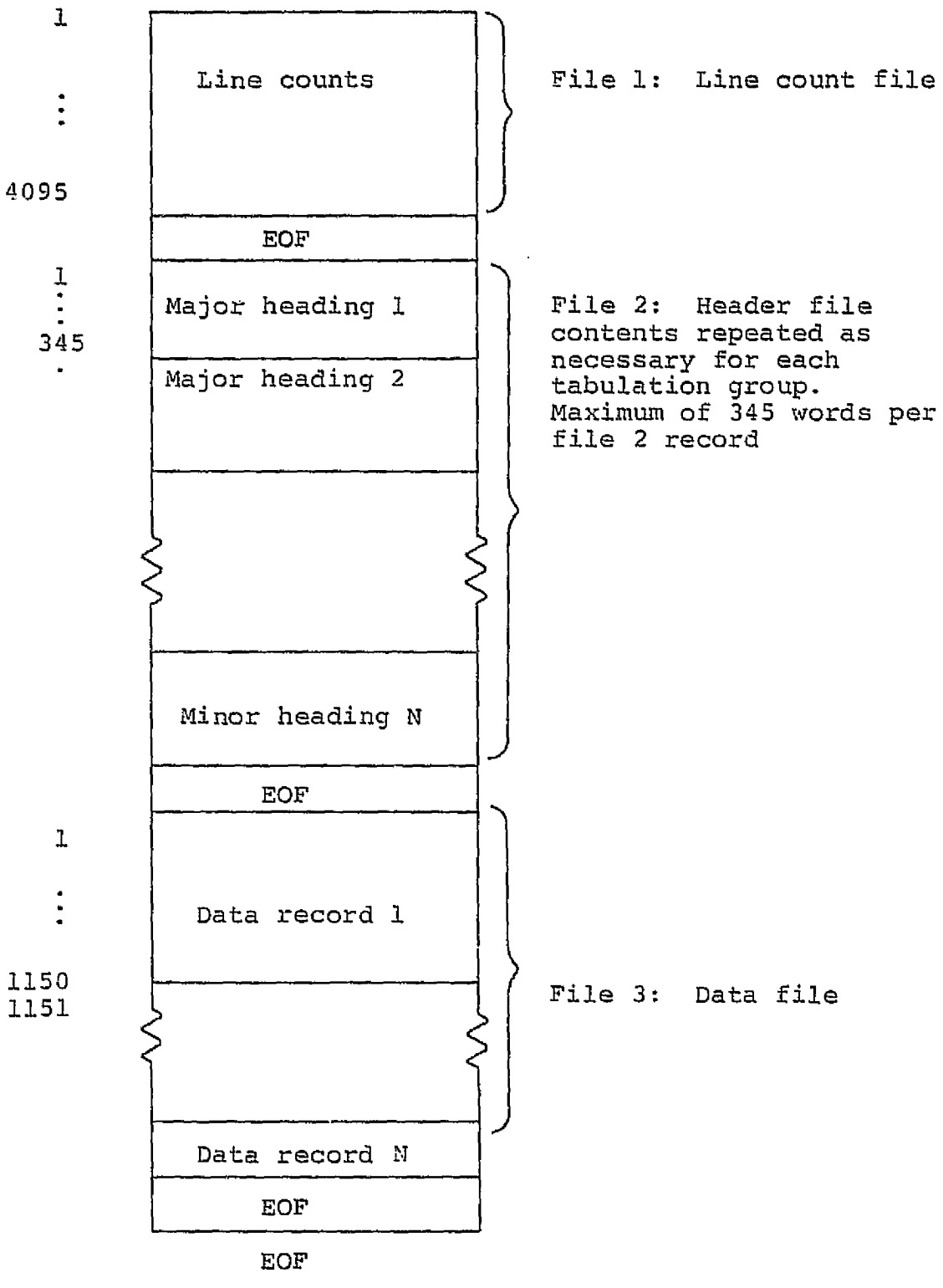


Figure 6-1.- Tabulation tape sample format (ref. 2).

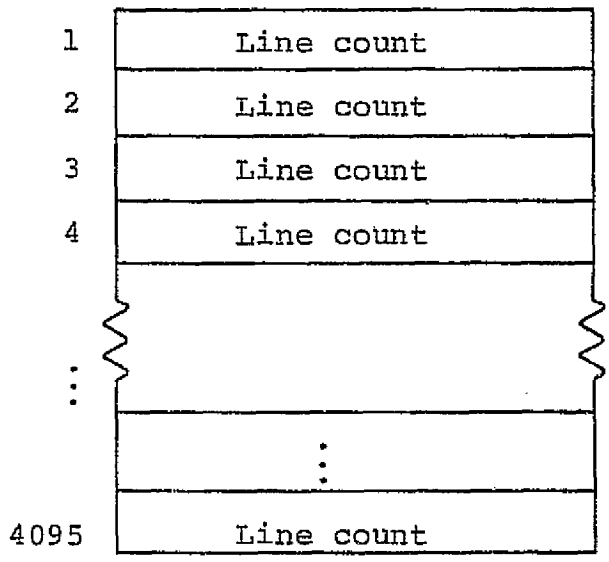
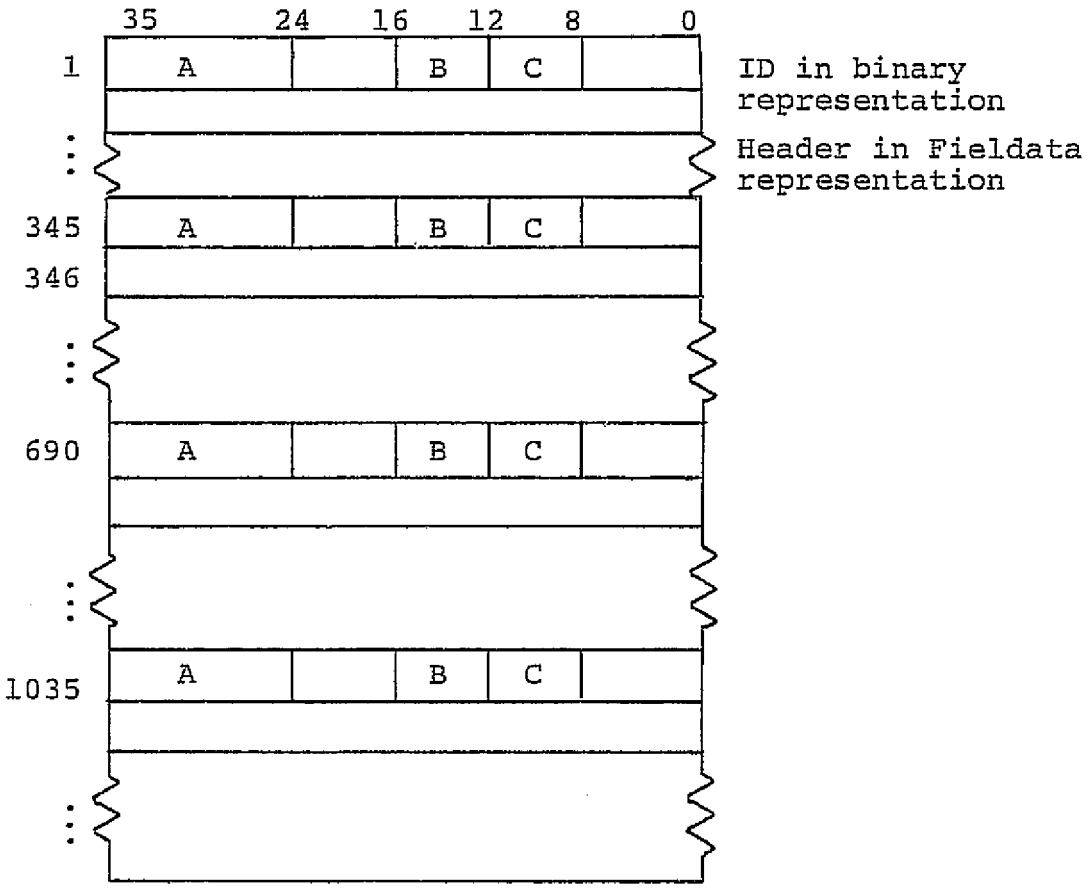


Figure 6-2.- Line count file sample format (ref. 2).



A - The identification tag associated with this report. All data lines for this report are tagged with this number.

B - Type of output option:
2 = minor heading
3 = major heading

C - Number of header lines in this report. MAX = 15.

Note: Major or minor header record length must equal $1+ \binom{22}{5}$ * (no. of lines); i.e., 22 for major; 5 for minor.

Figure 6-3.- Header file sample format (ref. 2).

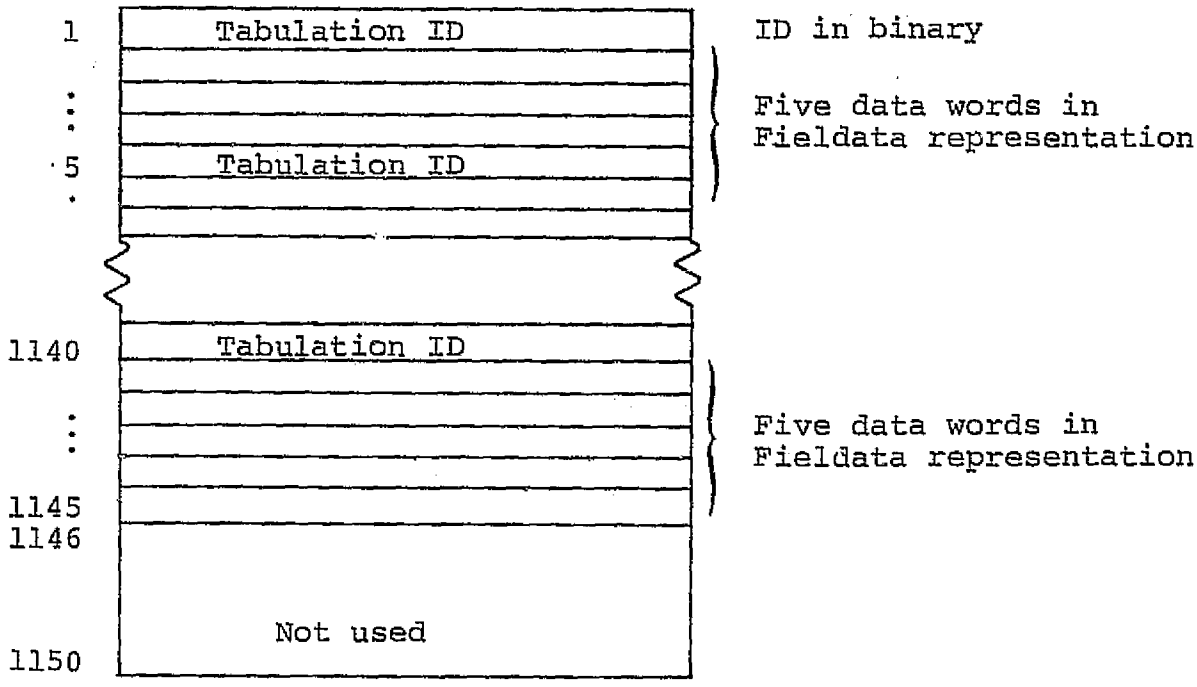


Figure 6-4.- Data record sample format (ref. 2).

7.0 RESTRICTIONS

GNFLEX is limited to processing FLEX system THT's.

8.0 FACILITY USAGE REQUIREMENTS

The GNFLEX program runs on the UNIVAC 1108/1110 and EXEC 8 system and requires no overlay.

8.1 CORE STORAGE

For the instructions and the data banks, 14678_{10} and 29329_{10} words of core storage are required, respectively.

8.2 MASS STORAGE DEVICE USAGE

Two "F" type FASTRAND mass storage devices are dynamically assigned by the program using system default granularity.

8.3 PERIPHERAL

One 9-track drive and two 7-track tape drives are required.

8.4 LABELS, SAVE TAPES, AND OUTPUT DISPOSITION

The tabulation tape is saved for input to the general OUTLAW program. The FIXSR tape is saved to input to the plot programs which can read FIXSR data.

9.0 RUNNING TIME

Output of tabulation and FIXSR tapes for 100 measurements will take approximately 20 minutes per input test history tape.

10.0 NONSTANDARD SYSTEM REQUIREMENTS

The MSC*LOCALIB file is used for MREAD.

11.0 REFERENCES

1. Hefner, H. D.: Detailed Requirements Document for the Space Environment Test Division Postest Data Reduction Program GNFLEX. LEC-10564 (rev. A). April 1977.

2. Kinney, Larry L.: Program Documentation DACS Initialization and Reconstruction Subprograms (XDACS). LEC-0840; April 1974.

APPENDIX A

RUNNING INSTRUCTIONS

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A-2.0	COPY TO AN X BIN TAPE	A-5
A-3.0	SET UP LEAD CARDS	A-5
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A-6.0	OUTPUT SUMMARY.	A-7
A-7.0	GUIDELINES FOR DATA ANALYSIS.	A-7

A-1.0 OBTAIN TEST HISTORY TAPE (THT)

Confirm track size.

A-2.0 COPY TO AN X BIN TAPE

Dump first and last 10 records.
Record length should be 1024 16-bit words.
(456 36-bit words).
Input tape should have an end-of-file.

A-3.0 SET UP LEAD CARDS

Determine which options to exercise for test case. Lead cards consist of two groups. Group one contains four mandatory cards. Default values are supplied by the program where possible and for all items for lead cards 1 and 2.

A-3.1 GROUP I

a. Card 1
   Normally leave blank. The exception is for short test tape for card columns 33-42. The delta time between the FIXSR output is defaulted to 600 seconds.
b. Card 2
   Normally leave blank.
c. Card 3
   Used to assign output tapes. Normally use 7-track and 800bpi.
d. Card 4
   Used to assign input THT's.
e. Card 5
   Optional and used only if THT's nine and ten are required.

A-3.2 GROUP II

Prepare major heading card and major heading end card. Prepare measurement cards selecting six character measurement names (MID's) from the test data tape.
NOTE: The last measurement card will have a "1" punched in card column 80 followed by a card with YYYYYY denoting that this is the last measurement.

A-4.0 PROGRAM EXECUTION

Determine current program tape and @XQT name. Initially the execute name is: @XQT GNFLEX/ABS1.

A-5.0 EXPECTED OUTPUT

EXECUTE NAME SHOULD BE: GNFLEX/ABS1.
Listing of Group One lead cards
Dynamic assignment of tapes
Listing of all Group Two measurement lead cards

Data base records should provide:
a. Listing of item directory.
b. Listing of item definition file.
c. Listing of the conversions file.

Listing of initial time on THT followed by MID's, item indexes, statuses, and item values should occur after reading the last data base record.

The data base listing sequence will repeat if additional data base records are read either from the same tape or an additional tape.

A listing of changes in data condition will follow as the data condition checks occur.

The tabulation tape and/or the fixed sample rate tape will be written as periodic data records are processed.

A-6.0 OUTPUT SUMMARY

Line printer output (listings) will contain start/stop time, TTT record counts, and record counts for the output tapes.

A-7.0 GUIDELINES FOR DATA ANALYSIS

Since data storage and output requirements differ between tabulations and plot tape (FIXSR), item status words are independently checked to determine whether the data item for a given MID is good, out of range, high or low, or whether a "Bad Data" value replaces any previous data value. Data displayed as "Bad" for plots may be output and flagged with an alpha character or event data. Therefore, data value differences may be observed for the same MID at the same point in time. The listing of the data base initial conditions just prior to reading the periodic data contains status flags which may be used for cross-checking data items.

APPENDIX B

LEAD CARD SETUPS

The lead card setups for Groups I and II of the GNFLEX program are presented on the following pages.

CARD NO 1
JOB 4104
NAME GNFLEX

GROUP I
LEAD CARD SET UP

PAGE NO.___OF___
PROGRAMMER _____ DATE _____

FIELD I. D	CARD COLUMNS	FORMAT	SYMBOLIC NAME	IDENTIFICATION
	1-2	2X		
	3-4	I2	DIDMP	0=List Item Directory, default value
				1=Additionally list Item Definition
				File
				2=Additionally list Conversion File
				3=List options 0, 1, and 2
		8X		
	13-14	I2	NTHTS	The number of THT's to be input,
				default is one
	15-16	I2	TYP01	Outlaw tape generation indicator
				0=yes, default value
				1=no
				2=Selective tab groups
	17-18	I2	TYP02	Fixed sample rate tape indicator
				0=yes, default value
				1=no
	19-20	I2	PARITY	Tape Parity processing indicator
				0=stop on Tape Parity error, default
				value
				1=process tapes ignoring Parity errors,
				if possible

COMMENTS _____

ASD 061

CARD NO 1
JOB 4104
NAME GNFLEX

GROUP I
LEAD CARD SET UP

PAGE NO.___OF___
PROGRAMMER _____ DATE _____

FIELD ID	CARD COLUMNS	FORMAT	SYMBOLIC NAME	IDENTIFICATION
	21-22	I2	LUIT	Logical Unit associated with each FLEX THT input tape, default is 8
	23-24	I2	LUTAB	Logical Unit associated with the OUTLAW tape, default is 4
	25-26	I2	LUFXSR	Logical Unit associated with FIXSR tape, default is 7
	27-28	I2	LP	Logical Unit associated for standard output message, default is 6
	29-30	I2	DEBUG	Special debug output option 0=no, default 1=yes
	31-32	2X		
	33-42	F10.0	FXSDEL	Delta time of FIXSR tape in seconds Default=600
	43-52	F10.0	TABDEL	Minimum delta time between tabulation outputs, Default=1.0

COMMENTS Do not assign any logical units greater than ten.

ASD 061

CARD NO 2

JOB 4104

NAME GNELEX

GROUP I

LEAD CARD SET UP

PROGRAMMER _____ DATE _____

PAGE NO. ____ OF ____

FIELD I D	CARD COLUMNS	FORMAT	SYMBOLIC NAME	IDENTIFICATION
	1-4	I4	IBDAY	Days portion of start time
	5-7	I3	IBHR	Hours portion of start time
	8-10	I3	IBMIN	Minutes portion of start time
	11-20	I10	IBSEC	Seconds portion of start time
		5X		
	26-29	I4	IFDAY	Days portion of stop time
	30-32	I3	IFHR	Hours portion of stop time
	33-35	I3	IFMIN	Minutes portion of stop time
	36-45	I10	IFSEC	Seconds portion of stop time
		6X		
	52	A1	TSIGN	A blank or a plus for positive
				additive bias, a minus for negative
	53-56	I4	(1) ADBIAS	Days portion of additive bias
	57-59	I3	(2) ADBIAS	Hours portion of additive bias
	60-62	I3	(3) ADBIAS	Minutes portion of additive bias
	63-72	I10	(4) ADBIAS	Seconds portion of additive bias
	73-80	F8.0	ZTBIAS	Multiplicative bias
				NOTE: If stop time is zero, the
				stop time is set to 366 days.

COMMENTS _____

ASD OGI

CARD NO. 3

JOB 4104

NAME GNFLEX

GROUP I

LEAD CARD SET UP

PAGE NO.___ OF___

PROGRAMMER _____ DATE _____

FIELD I. D.	CARD COLUMNS	FORMAT	SYMBOLIC NAME	IDENTIFICATION
	1-6	A6	OUT1(1)	Reel number for tabulation tape
	7-8	I2	OUT1(2)	1 = 7 track
				2 = 9 track
	9-10	I2	OUT1(3)	Tape suboption for dynamically assigned
				tape
				4 = S type for new save tape
				2 = W type for old tape
		2X		
	13-36	4A6	DESO1	Description for tabulation output tape
				save label
	37-42	A6	OUT2(1)	Reel number for fixed sample rate
				tape (FIXSR)
	43-44	I2	OUT2(2)	1 = 7 track
				2 = 9 track
	45-46	I2	OUT2(3)	Tape suboption for FIXSR dynamically
				assigned tape
				4 = S type for new save tape
				2 = W type for old tape
		2X		
	49-72	4A6	DESO2	Description for FIXSR output save
				label

COMMENTS _____

HASD 061

CARD NO. 4

GROUP I

JOB 4104 LEAD CARD SET UP PAGE NO.____ OF____

NAME GNFLEX PROGRAMMER _____ DATE _____

FIELD I. D.	CARD COLUMNS	FORMAT	SYMBOLIC NAME	IDENTIFICATION
	1-6	A6	THT(1)	Reel number for input THT tape
	7-8	I2	THT(2)	Track specifications
				1 = 7 track
				2 = 9 track (default value)
	9-10	I2	THT(3)	Tape suboption for dynamically
				assigned tape
				1 = F type
				3 = R type (default value)
	11-20			Same as columns 1-10 if required for
				input tape 2
	21-30			Same for tape 3
	31-40			Same for tape 4
	41-50			Same for tape 5
	51-60			Same for tape 6
	61-70			Same for tape 7
	71-80			Same for tape 8

COMMENTS _____

HASD 061

CARD NO 5

GROUP I

JOB 4104

LEAD CARD SET UP

PAGE NO.____ OF____

NAME GNFLEX

PROGRAMMER _____ DATE _____

FIELD I. D	CARD COLUMNS	FORMAT	SYMBOLIC NAME	IDENTIFICATION
	1-6	A6	THT(1)	Reel number for THT tape number 9, if required
	7-8	I2	THT(2)	Track specifications
				1 = 7 track
				2 = 9 track
	9-10	I2	THT(3)	Tape suboption for dynamically assigned tape
				1 = F type
				3 = R type
	11-20			Same as columns 1-10 if required for input tape 10

COMMENTS _____

ASD 061

CARD NO 6

GROUP II

JOB 4104 LEAD CARD SET UP PAGE NO.___ OF___

NAME GNFLEX PROGRAMMER _____ DATE _____

FIELD I. D	CARD COLUMNS	FORMAT	SYMBOLIC NAME	IDENTIFICATION
	1-80	13A6, A2	CRDMAJ	Major tabulation group heading - a maximum of 15 cards may be included in any major heading. Terminate the major heading cards with a subsequent card containing END in columns 1 through 3. NOTE: Each major heading card represents one line of heading.

COMMENTS _____

ASD 061

CARD NO 7

JOB 4104

NAME GNFLEX

GROUP II

LEAD CARD SET UP

PAGE NO.___ OF___

PROGRAMMER _____ DATE _____

FIELD I. D	CARD COLUMNS	FORMAT	SYMBOLIC NAME	IDENTIFICATION
1	1-6	A6	CRDMAJ(1	ENDTAB for end of tabulation output selections.
				This card must follow a card with YYYYYY and precede the next major heading card.
				The last card READ for a Group II measurement lead card must contain YYYYYY for MEAS1(1).

COMMENTS ENDTAB optionally provides selection of tabulated output by group.

ASD 061

CARD NO 8

JOB 4104

NAME GNFLEX

GROUP II

LEAD CARD SET UP

PAGE NO.___ OF___

PROGRAMMER _____ DATE _____

FIELD I D	CARD COLUMNS	FORMAT	SYMBOLIC NAME	IDENTIFICATION
	1-6	A6	MEAS1	The six character Measurement Identification (2 alpha, 4 numbers, i.e. ZL1023)
	7-12	6X		
	13-18	F6.0	BPDATA	Bandpass for tabulation and plot output, default is zero
	19-24	F6.0	ZSCALE	Scale factor for Engineering Units conversion, default is one.
	25-54	5A6	CRDMIN	Default is all blanks. Minor heading to supplement the one automatically constructed. Successive minor heading lines may be input on cards immediately following in columns 25 through 54 by leaving the MEAS1 field blank. A maximum of 12 additional minor heading cards may be input. The first non-blank MEAS1 field terminates any supplemental minor heading.
	55-79	25X		
	80	I1	LSNTRY	Last measurement, 0 = no, default value

COMMENTS _____

ASD 061

CARD NO 8

JOB 4104

NAME GNFLEX

GROUP II

LEAD CARD SET UP

PAGE NO.____ OF____

PROGRAMMER _____ DATE _____

FIELD I D	CARD COLUMNS	FORMAT	SYMBOLIC NAME	IDENTIFICATION
				1 = yes
				NOTE: If MEAS1(1) = YYYYYY, another
				tabulation header (major heading) is
				expected to immediately follow this
				card, unless LSNTRY = 1 indicating
				this is the last measurement.

COMMENTS _____

ASD 061

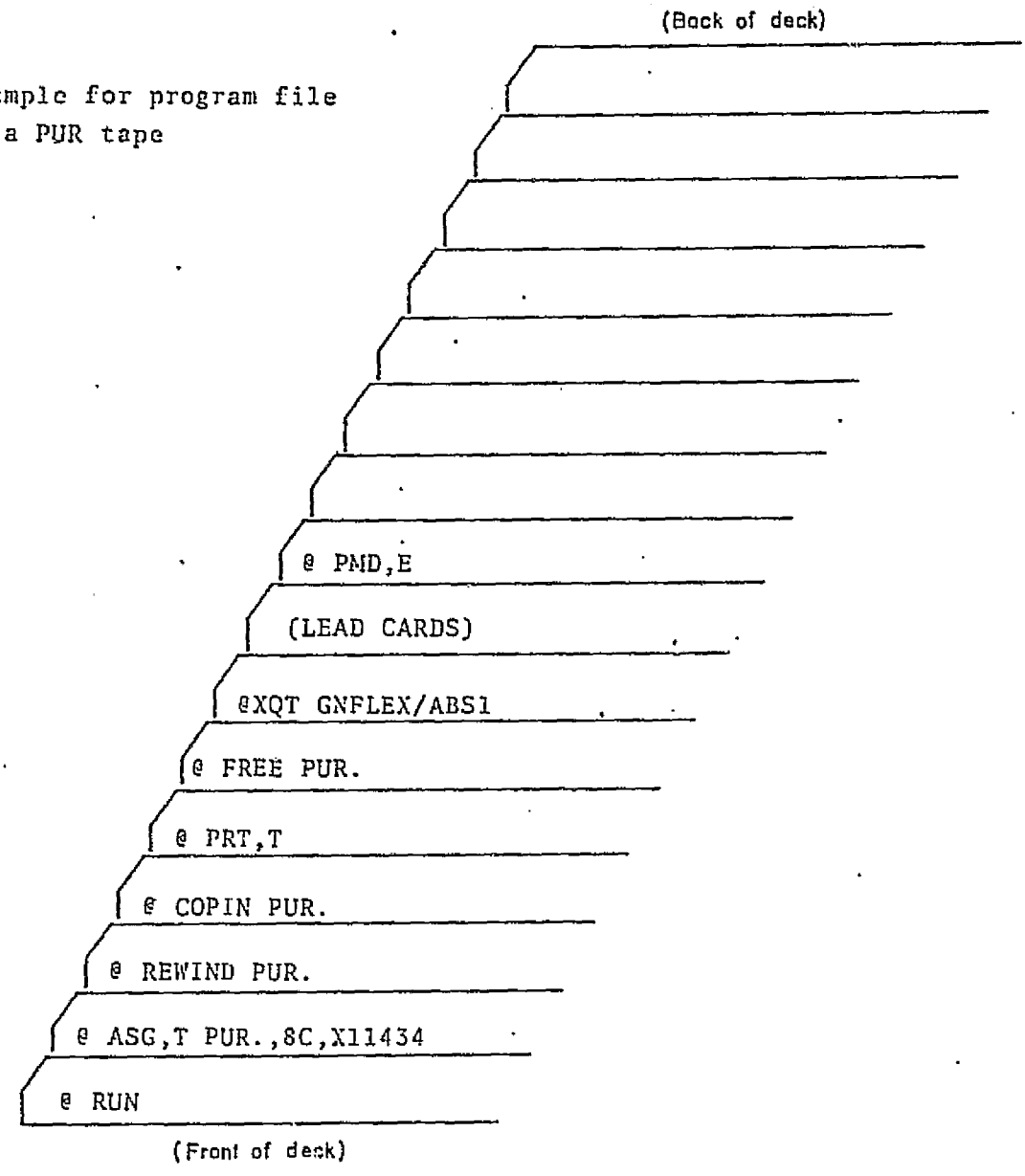
APPENDIX C

DECK SETUP

The deck setup for program GNFLEX is as follows.

DECK SETUP FOR PROGRAM GNFLEX PAGE NO. 1 OF 1

Example for program file
on a PUR tape



APPENDIX D

DIAGNOSTIC MESSAGES

PROGRAM IS STILL TRYING TO READ LEAD CARDS. THE LAST MEASUREMENT IS PROBABLY NOT FLAGGED.

TOO MANY MAJOR HEADING INPUT CARDS

TOO MANY MINOR HEADING INPUT CARDS

LEAD CARD ERROR CARD ___ HAS DUPLICATE MID OF ____. CARD IGNORED.. PTR2 INFO WILL BE USED FOR FIXSR TAPE OUTPUT. TAB OUTPUT IS SUPPRESSED

THE FOLLOWING ANALOGS ARE NOT IN THE MID INDEX (FATAL ERROR)

PARITY ERROR IN DATA BASE RECORD _____.

INCORRECT INDICATOR FOR ITEM CAPTURE _____.

INCORRECT INDICATOR ON FIRST RECORD _____.

INCORRECT INDICATOR FOR ITEM STATUS _____.

HEADER RECORD IS _____. TAPE RECORD IS _____.

INDEX FOR PLOT MID _____ IS > 2047

INDEX FOR TAB MID _____ IS > 2303

INDEX NOT FOUND FOR MID _____.

ILLEGAL STATUS B FOR MID _____.

ILLEGAL STATUS A FOR MID _____.

JOB ABORTED DUE TO FATAL ERROR PREVIOUSLY NOTED..

RUN IS TERMINATED DUE TO ERRORS NOTED ABOVE

INCORRECT INDICATOR _____ IN PERIODIC DATA RECORD _____. LAST GOOD TIME IS _____.

FLEX SYS RESTART TIME IS > PLOT TAPE DELTA TIME TAKEN FROM LEAD CARD. FIXED SAMPLE RATE TAPE WILL HAVE "BAD" DATA FILL

INDICATOR TYPE _____ IS NOT ON REQ LIST

APPENDIX E

SAMPLE INPUT

A dump of a first test history tape record is provided as follows. Lead card values used for input are included in the sample output section since information from lead cards is echoed and interpreted prior to reading the input test history tape.

TAPE RECORD NUMBER 1

LN#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	177774	035200	000332	044185	051522	050440	002461	001665	002515	004142	044120	001751	000100	044120	001752	000101
2	044120	001753	000102	044120	001754	000103	044120	001756	000104	044120	001757	000105	044120	001761	000106	044120
3	001762	000107	044120	001764	000110	044120	001766	000111	044120	001767	000112	044120	001770	000113	044120	001771
4	000114	044120	001772	000115	044120	001773	000116	044120	001774	000117	044120	001775	000120	044120	001776	000121
5	044120	001777	000122	044120	002000	000123	044120	002001	000124	044120	002002	000125	044120	002003	000126	044120
6	002004	000127	044120	002005	000130	044120	002006	000131	044120	002007	000132	044120	002010	000133	044120	002011
7	000134	044120	002012	000135	044120	002013	000136	044120	002014	000137	044120	002015	000140	044120	002016	000141
8	044120	002017	000142	044120	002020	000143	044120	002021	000144	044120	002022	000145	044120	002023	000146	044120
9	002024	000147	044120	002025	000150	044120	002026	000151	044120	002027	000152	044120	002030	000153	044120	002031
10	000154	044120	002032	000155	044120	002033	000156	044120	002034	000157	044120	002035	000160	044120	002036	000161
11	044120	002037	000162	044120	002040	000163	044120	002041	000164	044120	002042	000165	044120	002043	000166	044120
12	002044	000167	044120	002045	000170	044120	002046	000171	044120	002047	000172	044120	002050	000173	044120	002051
13	000174	044120	002052	002175	044120	002053	000175	044120	002054	000177	044120	002055	000200	044120	002056	000201
14	044120	002057	000202	044120	002060	000203	044120	002061	000204	044120	002062	000205	044120	002063	000206	044120
15	002064	000207	044120	002065	000210	044120	002066	000211	044120	002067	000212	044120	002070	000213	044120	002071
16	000214	044120	002072	000215	044120	002073	000216	044120	002074	000217	044120	002075	000220	044120	002076	000221
17	044120	002077	000222	044120	002100	000223	044120	002101	000224	044120	002102	000225	044120	002103	000226	044120
18	002104	000227	044120	002105	000230	044120	002106	000231	044120	002107	000232	044120	002110	000233	044120	002111
19	000234	044120	002112	000235	044120	002113	000236	044120	002114	000237	044120	003721	000240	044120	003722	000241
20	044120	003723	000242	044120	003725	000243	044120	003727	000244	044120	003731	000245	044120	003733	000246	044120
21	003735	000247	044120	003736	000250	044120	003737	000251	044120	003740	000252	044120	003741	000253	044120	003742
22	000254	044120	003743	000255	044120	003744	000256	044120	003745	000257	044120	003746	000260	044120	003747	000261
23	044120	003750	000262	044120	003751	000263	044120	003752	000264	044120	003753	000265	044120	003754	000266	044120
24	003755	000267	044120	003756	000270	044120	003757	000271	044120	003760	000272	044120	003761	000273	044120	003762
25	000274	044120	003763	000275	044120	003764	000276	044120	003765	000277	044120	003766	000300	044120	003767	000301
26	044120	003770	000302	044120	003771	000303	044120	003772	000304	044120	003773	000305	044120	003774	000306	044120
27	003775	000307	044120	003776	000310	044120	003777	000311	044120	004000	000312	044120	004001	000313	044120	004002
28	000314	044120	004003	000315	044120	004004	000316	044120	004005	000317	044120	004006	000320	044120	004007	000321
29	044120	004010	000322	044120	004011	000323	044120	004012	000324	044120	004013	000325	044120	004014	000326	044120
30	004015	000327	044120	004016	000330	044120	004017	000331	044120	004020	000332	044120	004021	000333	044120	004022
31	000334	044120	004023	000335	044120	004024	000336	044120	004025	000337	044120	004026	000340	044120	004027	000341
32	044120	004030	000342	044120	004031	000343	044120	004032	000344	044120	004033	000345	044120	004034	000346	044120
33	004035	000347	044120	004036	000350	044120	004037	000351	044120	004040	000352	044120	004041	000353	044120	004042
34	000354	044120	004043	000355	044120	004044	000356	044120	004045	000357	044120	004046	000360	044120	004047	000361
35	044120	004050	000362	044120	004051	000363	044120	004052	000364	044120	004053	000365	044120	004054	000366	044120
36	004055	000367	044120	004056	000370	044120	004057	000371	044120	004060	000372	044120	004061	000373	044120	004062
37	000374	044120	004063	000375	044120	004064	000376	044120	005671	000377	044120	005672	000400	044120	005673	000401
38	044120	005674	000402	044120	005676	000403	044120	005700	000404	044120	005702	000405	044120	005704	000406	044120
39	005705	000407	044120	005706	000410	044120	005707	000411	044120	005710	000412	044120	005711	000413	044120	005712
40	000414	044120	005713	000415	044120	005714	000416	044120	005715	000417	044120	005716	000420	044120	005717	000421
41	044120	005720	000422	044120	005721	000423	044120	005722	000424	044120	005723	000425	044120	005724	000426	044120
42	005725	000427	044120	005726	000430	044120	005727	000431	044120	005730	000432	044120	005731	000433	044120	005732
43	000434	044120	005733	000435	044120	005734	000436	044120	005735	000437	044120	005736	000440	044120	005737	000441

44	044120	005740	000442	044120	005741	000443	044120	005742	000444	044120	005743	000445	044120	005744	000446	044120
45	005745	000447	044120	005746	000450	044120	005747	000451	044120	005750	000452	044120	005751	000453	044120	005752
46	000454	044120	005753	000455	044120	005754	000456	044120	005755	000457	044120	005756	000460	044120	005757	000461
47	044120	005760	000462	044120	005761	000463	044120	005762	000464	044120	005763	000465	044120	005764	000466	044120
48	005765	000467	044120	005766	000470	044120	005767	000471	044120	005770	000472	044120	005771	000473	044120	005772
49	000474	044120	005773	000475	044120	005774	000476	044120	005775	000477	044120	005776	000500	044120	005777	000501
50	044120	006000	000502	044120	006001	000503	044120	006002	000504	044120	006003	000505	044120	006004	000506	044120
51	006005	000507	044120	006006	000510	044120	006007	000511	044120	006010	000512	044120	006011	000513	044120	006012
52	000514	044120	006013	000515	044120	006014	000516	044120	006015	000517	044120	006016	000520	044120	006017	000521
53	044120	000020	000522	044120	006021	000523	044120	006022	000524	044120	006023	000525	044120	006024	000526	044120
54	006025	000527	044120	006026	000530	044120	006027	000531	044120	006030	000532	044120	006031	000533	044120	006032
55	000534	044120	006033	000535	044120	006034	000536	044120	010005	000537	044120	010006	000540	044120	010007	000541
56	044120	010010	000542	044120	010011	000543	044120	010012	000544	044120	010013	000545	044120	010014	000546	044120
57	010015	000547	044120	010016	000550	044120	010017	000551	044120	010020	000552	044120	010021	000553	044120	010023
58	000554	044120	010024	000555	044120	010025	000556	044120	010151	000557	044120	010152	000560	044120	010153	000561
59	044120	010154	000562	044120	010155	000563	044120	010156	000564	044120	010157	000565	044120	010160	000566	044120
60	010161	000567	044120	010162	000570	044120	010163	000571	044120	010164	000572	044120	010165	000573	044120	010167
61	000574	044120	010170	000575	044120	010171	000576	044120	010315	000577	044120	010316	000600	044120	010317	000601
62	044120	010320	000602	044120	010321	000603	044120	010322	000604	044120	010323	000605	044120	010324	000606	044120
63	010325	000607	044120	010326	000610	044120	010327	000611	044120	010330	000612	044120	010331	000613	044120	010333
64	000614	044120	010334	000615	044120	010335	000616	044120	000455	000617	044120	011611	000620	044120	011612	000621

APPENDIX F

SAMPLE OUTPUT

Lead card values used for input are included in this appendix.

FD7-L7503G*TPF$(0) ELSMENT TABLE

D	NAME	VERSION	TYPE	DATE	TIME	SEQ #	SIZE-PRE.TEXT	(CYCLE	WORD)	PSRMODE	LOCATION
	ASCII		SYMBOLIC	09 NOV 77	05:40:42	1	7	5	0 1		1792
	ASGPOS		SYMBOLIC	09 NOV 77	05:40:52	2	10	5	0 1		1799
	CONVFP		SYMBOLIC	09 NOV 77	05:41:11	3	8	5	0 1		1809
	COPYGN		FOR SYMB	23 FEB 77	02:05:01	4	2	5	0 1		1817
	DASGF		SYMBOLIC	09 NOV 77	05:41:17	5	6	5	0 1		1819
	DFRLER		SYMBOLIC	09 NOV 77	05:41:22	6	6	5	0 1		1825
	DFRLET		SYMBOLIC	09 NOV 77	05:41:28	7	6	5	0 1		1831
	IPSTAT		SYMBOLIC	09 NOV 77	05:41:51	8	13	5	0 1		1837
	ITSTAT		SYMBOLIC	09 NOV 77	05:41:58	9	14	5	0 1		1850
	PITEMS		SYMBOLIC	09 NOV 77	05:42:02	10	5	5	0 1		1864
	PRCON		SYMBOLIC	09 NOV 77	05:42:06	11	10	5	0 1		1869
	PRODC1		SYMBOLIC	09 NOV 77	05:42:10	12	4	5	0 1		1879
	PRODC2		ELT SYMB	10 NOV 77	14:21:05	13	3	5	0 1		1883
	READTP		SYMBOLIC	09 NOV 77	05:42:22	14	6	5	0 1		1886
	RECAP		SYMBOLIC	09 NOV 77	05:42:27	15	7	5	0 1		1892
	STATCK		SYMBOLIC	09 NOV 77	05:43:31	16	16	5	0 1		1899
	SZDLY		SYMBOLIC	09 NOV 77	05:43:34	17	4	5	0 1		1915
	TITEMS		SYMBOLIC	09 NOV 77	05:43:38	18	7	5	0 1		1919
	TWAIT		ASM SYMB	16 MAY 75	11:06:09	19	1	5	0 1		1926
	UNPFX		SYMBOLIC	09 NOV 77	05:43:46	20	7	5	0 1		1927
	COPYGNFLEX		ELT SYMB	14 NOV 77	09:24:33	21	7	5	1 2		1934
	OUTIAS		ABSOLUTE	28 OCT 77	12:53:01	22	518			SET	1941
	FORCNFLEX		ELT SYMB	07 MAR 78	10:11:43	23	14	5	4 5		2460
	ASCII		RELOCATABLE	02 JUN 78	11:50:27	24	1 6				2474
	ASGPOS		RELOCATABLE	02 JUN 78	11:50:36	25	2 10				2481
	CONVFP		RELOCATABLE	02 JUN 78	11:50:45	26	1 7				2493
	COPYGN		RELOCATABLE	02 JUN 78	11:50:48	27	1 2				2501
	DASGF		RELOCATABLE	02 JUN 78	11:50:51	28	2 5				2504
	DFRLER		RELOCATABLE	02 JUN 78	11:50:54	29	2 6				2511
	DFRLET		RELOCATABLE	02 JUN 78	11:51:00	30	2 6				2519
	IPSTAT		RELOCATABLE	02 JUN 78	11:51:21	31	1 7				2527
	ITSTAT		RELOCATABLE	02 JUN 78	11:51:29	32	1 7				2535
	PITEMS		RELOCATABLE	02 JUN 78	11:51:35	33	2 4				2543
	PRCON		RELOCATABLE	02 JUN 78	11:51:40	34	2 7				2549
	PRODC1		RELOCATABLE	02 JUN 78	11:51:48	35	1 3				2558
	PRODC2		RELOCATABLE	02 JUN 78	11:52:04	36	1 3				2562
	READTP		RELOCATABLE	02 JUN 78	11:52:19	37	2 4				2565
	RECAP		RELOCATABLE	02 JUN 78	11:52:25	38	2 5				2572
	STATCK		RELOCATABLE	02 JUN 78	11:52:59	39	1 10				2579
	SZDLY		RELOCATABLE	02 JUN 78	11:53:04	40	1 5				2590
	TITEMS		RELOCATABLE	02 JUN 78	11:53:09	41	2 4				2596
	TWAIT		RELOCATABLE	02 JUN 78	11:53:18	42	1 1				2602
	UNPFX		RELOCATABLE	02 JUN 78	11:53:30	43	1 6				2604
	MAPGNFLEX		MAP SYMB	08 JUN 78	09:40:09	44	1	5	2 3		2611
	ASGT79		ELT SYMB	08 JUN 78	09:42:24	45	36	5	3 4		2612
	ASGT79		RELOCATABLE	08 JUN 78	09:42:43	46	2 31				2648
	IFLEX		ELT SYMB	14 JUN 78	09:56:15	47	115	5	14 5		2691
	IFLEX		RELOCATABLE	14 JUN 78	09:56:46	48	3 86				2796
	GNFLEX		ELT SYMB	22 JUN 78	09:13:17	49	191	5	5 5		2885
	GNFLEX		RELOCATABLE	22 JUN 78	09:13:38	50	4 165				3076
	PRDEF		ELT SYMB	22 JUN 78	09:19:22	51	29	5	2 3		3245

```
   PRDEF                        RELOCATABLE  22 JUN 78   09:19:52     52     2     21                                3274
   RFLEX                        FOR SYMB     22 JUN 78   09:34:03     53          177    5  21   5                   3297
   RFLEX                        RELOCATABLE  22 JUN 78   09:34:25     54     5    145                                3474
   CNFLEX         ABS1          ABSOLUTE     22 JUN 78   09:36:48     55          734                SET             3624
NEXT AVAILABLE LOCATION-                                                                                             4358

ASSEMBLER PROCEDURE TABLE EMPTY

COBOL PROCEDURE TABLE EMPTY

FORTRAN PROCEDURE TABLE EMPTY

ENTRY POINT TABLE EMPTY

@REWIND PUR.

@FREE PUR.

@XQT CNFLEX/ABS1

   EXECUTE NAME SHOULD BE : GNFLEX/ABS1
```

MEASUREMENT LEAD CARDS GROUP I

```
CARD          1111111111222222222233333333334444444444555555555566666666667777777778
 NO. 12345678901234567890123456789012345678901234567890123456789012345678901234567890
  1 *  3           1     t                                                          *
  2 *                           165 12 56                                           *
```

END OF TYPE I CARDS

LEAD CARDS FOR GNFLEX

INITIAL LEAD CARD VALUES TO BE USED INCLUDING DEFAULT VALUES

DIDMP	= 3	DATA BASE DIRECTORY DUMP LIST ITEM DIRECTORY ONLY =0 LIST ITEM DEFINITION FILE =1 LIST CONVERSIONS FILE =2 LIST OPTIONS 0,1,AND 2 =3 NO DIRECTORY DUMP =4
NTHTS	= 1	NUMBER OF TEST HISTORY INPUT TAPES
TYPO1	= 0	TABULATION OUTPUT: 0 FOR YES, 1 FOR NO, 2 FOR SELECT
TYPO2	= 0	FIXED SAMPLE RATE TAPE OUTPUT: 0 FOR YES
PARITY	= 1	TAPE PARITY PROCESSING INDICATOR: DEFAULT IS 0 TO ABORT RUN, 1 FOR PROCESSING PERIODIC DATA
LUIT	= 8	LOGICAL UNIT FOR THT INPUT TAPE
LUTAB	= 4	LOGICAL UNIT FOR TABULATION TAPE
LUFXSR	= 7	LOGICAL UNIT FOR FIXED SAMPLE RATE TAPE
LP	= 6	OUTPUT DEVICE FOR PRINT DEFAULT IS PRINTER
DEBUG	= 0	DEBUG FLAG FOR MAXIMUN PRINTED OUTPUT
TEST	= 0	TYPE OF TAPE USED, 0 FOR FLEX
FXSDEL	= 600.	DELTA TIME FOR FIXSR IN SECONDS
TABDEL	= 1.	MINIMUM DELTA TIME BETWEEN TABULATIONS

TIMES EXPECTED ON INPUT THT TAPE

START TIME IN	DAYS	0
	HOURS	0
	MINUTES	0
	SECONDS	0
STOP TIME IN	DAYS	165
	HOURS	12
	MINUTES	56
	SECONDS	0

ADDITIVE BIAS FOR OUTPUT 0
MULTIPLICATIVE BIAS FOR OUTPUT .10000000+01
FIXED SAMPLE RATE TAPE TIME IS FLOATING PT SECONDS

```
TAPE NUMBERS FOR GNFLEX

        USE A BLANK TAPE NUMBER AND SUBOPTION 4 FOR A NEW SAVE OUTPUT TAPE

        USE A SUBOPTION 1 OR 3 FOR A READ TAPE.

        USE A SUBOPTION 5 FOR TEMPORARY OUTPUT TAPE


TABULATION OUTPUT
                TAPE NUMBER
                TRACK SIZE: 1=7 TRACK,2=9 TRACK      1
                TAPE DENSITY  0=800BPI,1=556BPI      0
                TAPE ASSIGNMENT SUBOPTION            4
FXSR OUTPUT
                TAPE NUMBER
                TRACK SIZE: 1=7 TRACK,2=9 TRACK      1
                TAPE DENSITY: 0=800BPI,1=556BPI      0
                TAPE ASSIGNMENT SUBOPTION            4
THT TAPES:.
          TAPE  1                                    F00442
                TRACK SIZE: 1=7 TRACK,2=9 TRACK      2
                DENSITY: 0=800BPI,1=556BPI           0
                TAPE ASSIGNMENT SUBOPTION            3
```

```
DYNAMIC CONTROL SEQUENCE NO.    1
REEL **        ** HAS BEEN DYNAMICALLY ASSIGNED TO LOGICAL UNIT  4
@ASG,TJ        4.BC,,92
*

DYNAMIC CONTROL SEQUENCE NO.    2
FASTRAND LOGICAL UNIT 22 HAS BEEN DYNAMICALLY ASSIGNED
@ASG  22
*

DYNAMIC CONTROL SEQUENCE NO.    3
FASTRAND LOGICAL UNIT 21 HAS BEEN DYNAMICALLY ASSIGNED
@ASG  21
*
```

MEASUREMENT LEAD CARDS GROUP II

```
CARD          1111111111222222222233333333334444444444555555555566666666667777777778
 NO.  12345678901234567890123456789012345678901234567890123456789012345678901234567890
    1 *F00442  FLEX/GNFLEX CROSS CHECKS
    2 *DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
    3 *HAROLD B VANWIE PROJECT NO. 4205
    4 *END
    5 *$S0063
    6 *$S0062
    7 *XP0316
    8 *XP1004
    9 *DH0005
   10 *DT0001
   11 *FN0009
   12 *HT3213
   13 *DT0004
   14 *FW1008
   15 *FN0007
   16 *FW1005
   17 *DH0010
   18 *FN0008
   19 *FN1003
   20 *EH0020
   21 *FN0012
   22 *FN0003
   23 *FN0004
   24 *EW0021
   25 *EW0016
   26 *ET0005
   27 *FN2002
   28 *ET0015
   29 *FN2005
   30 *ET1001
   31 *EH1001
   32 *DT1001
   33 *DT1002
   34 *DT1005
   35 *DT1008
   36 *DT1011
   37 *DH1003
   38 *DT1004
   39 *DT1006
   40 *DT1003
   41 *DT1007
   42 *DT1009
   43 *DT1012
   44 *DT1014
   45 *ZV1001
   46 *ZV2006
   47 *ZV1003
   48 *ZS1056
   49 *ZT0203
   50 *ZT0206
   51 *ZTC209
   52 *ZT0213
   53 *ZT0216
```

```
    54 *ZT0219
    55 *ZS0012
    56 *ZT0253
    57 *ZQ0001
    58 *ZP0317
    59 *ES0054
    60 *XP0317
    61 *XP1003
    62 *XP1005
    63 *DT0005
    64 *HT3211
    65 *ZV0316
    66 *YYYYYY
```

END OF HEADING AND MEASUREMENT CARDS

```
DYNAMIC CONTROL SEQUENCE NO.    4
REEL **F00442** HAS BEEN DYNAMICALLY ASSIGNED TO LOGICAL UNIT  8
@ASG,T      -- 8,BC9,F00442
*
```

BY LEAD CARD OCCURRENCE

MEASUREMENT	MID NO	PTR1	PTR2	BAND PASS (BPDATA)	SCALE FACTOR (ZSCALE)
SSC063		1	2	.000000	.100000+01
SSC062		2	3	.000000	.100000+01
XPC316		3	4	.000000	.100000+01
XP1004		4	5	.000000	.100000+01
DHC005		5	6	.000000	.100000+01
DTC001		6	7	.000000	.100000+01
FHC009		7	8	.000000	.100000+01
HT3213		8	9	.000000	.100000+01
DTC004		9	10	.000000	.100000+01
FN1008		10	11	.000000	.100000+01
FNC007		11	12	.000000	.100000+01
FN1005		12	13	.000000	.100000+01
EHC010		13	14	.000000	.100000+01
FNC008		14	15	.000000	.100000+01
FN1003		15	16	.000000	.100000+01
EHC020		16	17	.000000	.100000+01
FNC012		17	18	.000000	.100000+01
FNC003		18	19	.000000	.100000+01
FNC004		19	20	.000000	.100000+01
EAC021		20	21	.000000	.100000+01
EAC015		21	22	.000000	.100000+01
ETC005		22	23	.000000	.100000+01
FN2002		23	24	.000000	.100000+01
ETC015		24	25	.000000	.100000+01
FN2005		25	26	.000000	.100000+01
ET1001		26	27	.000000	.100000+01
EHC021		27	28	.000000	.100000+01
DT1001		28	29	.000000	.100000+01
DT1002		29	30	.000000	.100000+01
DT1005		30	31	.000000	.100000+01
DT1008		31	32	.000000	.100000+01
DT1011		32	33	.000000	.100000+01
DH1003		33	34	.000000	.100000+01
DT1004		34	35	.000000	.100000+01
DT1006		35	36	.000000	.100000+01
DT1003		36	37	.000000	.100000+01
DT1007		37	38	.000000	.100000+01
DT1009		38	39	.000000	.100000+01
DT1012		39	40	.000000	.100000+01
DT1014		40	41	.000000	.100000+01
ZV1001		41	42	.000000	.100000+01
ZV2005		42	43	.000000	.100000+01
ZV1003		43	44	.000000	.100000+01
ZS1056		44	45	.000000	.100000+01
ZTC203		45	46	.000000	.100000+01
ZTC206		46	47	.000000	.100000+01
ZTC209		47	48	.000000	.100000+01
ZTC213		48	49	.000000	.100000+01
ZTC216		49	50	.000000	.100000+01
ZTC219		50	51	.000000	.100000+01

MEASUREMENT	BY LEAD CARD OCCURRENCE MID NO	PTR1	PTR2	BAND PASS (BPDATA)	SCALE FACTOR (ZSCALE)
ZSG012		51	52	.000000	.100000+01
ZTC253		52	53	.000000	.100000+01
ZCC001		53	54	.000000	.100000+01
ZP0317		54	55	.000000	.100000+01
$SCC54		55	56	.000000	.100000+01
XP0317		56	57	.000000	.100000+01
XP1003		57	58	.000000	.100000+01
XP1005		58	59	.000000	.100000+01
D10005		59	60	.000000	.100000+01
HT3211		60	61	.000000	.100000+01
ZV0316		61	62	.000000	.100000+01

FIXSRT CELL ASSIGNMENTS AS DETERMINED FROM LEAD CARDS

WORD	MEAS. NAME
1	TIME (FLOATING POINT SECONDS)
2	SS0063
3	SS0062
4	XP0316
5	XP1004
6	DH0005
7	DT0001
8	FN0009
9	HT3213
10	DT0004
11	FW1008
12	FN0007
13	FW1005
14	EH0010
15	FN0008
16	FN1003
17	EH0020
18	FN0012
19	FN0003
20	FM0004
21	EV0021
22	EN0016
23	ET0005
24	FN2002
25	ET0015
26	FN2005
27	ET1001
28	EH1001
29	DT1001
30	DT1002
31	DT1005
32	DT1008
33	DT1011
34	DH1003
35	DT1004
36	DT1006
37	DT1003
38	DT1007
39	DT1009
40	DT1012
41	DT1014
42	ZV1001
43	ZV2006
44	ZV1003
45	ZB1056
46	ZT0203
47	ZT0206
48	ZT0209
49	ZT0213
50	ZT0216
51	ZT0219
52	ZS0012
53	ZT0253
54	ZCC001
55	ZP0317

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56 $$0054
57 XP0317
58 XP1003
59 XP1005
60 GTC005
61 HT3211
62 ZV0316
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ITEM DIRECTORY. DATA BASE NAME IS FESRQ

IND -4 DAY= 165 HR= 12 MIN= 44 SEC= 2. ENTRIES= 1329 J= 949 K= 1357 L= 2148

MID	ITEM INDEX	MID	ITEM INDEX	MID	ITEM INDEX	MID	ITEM INDEX	MID	ITEM INDEX
HP1001	64	HP1002	65	HP1003	66	HP1004	67	HP1006	68
HP1007	69	HP1009	70	HP1010	71	HP1012	72	HP1014	73
HP1015	74	HP1016	75	HP1017	76	HP1018	77	HP1019	78
HP1020	79	HP1021	80	HP1022	81	HP1023	82	HP1024	83
HP1025	84	HP1026	85	HP1027	86	HP1028	87	HP1029	88
HP1030	89	HP1031	90	HP1032	91	HP1033	92	HP1034	93
HP1035	94	HP1036	95	HP1037	96	HP1038	97	HP1039	98
HP1040	99	HP1041	100	HP1042	101	HP1043	102	HP1044	103
HP1045	104	HP1046	105	HP1047	106	HP1048	107	HP1049	108
HP1050	109	HP1051	110	HP1052	111	HP1053	112	HP1054	113
HP1055	114	HP1056	115	HP1057	116	HP1058	117	HP1059	118
HP1060	119	HP1061	120	HP1062	121	HP1063	122	HP1064	123
HP1065	124	HP1066	125	HP1067	126	HP1068	127	HP1069	128
HP1070	129	HP1071	130	HP1072	131	HP1073	132	HP1074	133
HP1075	134	HP1076	135	HP1077	136	HP1078	137	HP1079	138
HP1080	139	HP1081	140	HP1082	141	HP1083	142	HP1084	143
HP1085	144	HP1086	145	HP1087	146	HP1088	147	HP1089	148
HP1090	149	HP1091	150	HP1092	151	HP1093	152	HP1094	153
HP1095	154	HP1096	155	HP1097	156	HP1098	157	HP1099	158
HP1100	159	HP2001	160	HP2002	161	HP2003	162	HP2005	163
HP2007	164	HP2009	165	HP2011	166	HP2013	167	HP2014	168
HP2015	169	HP2016	170	HP2017	171	HP2018	172	HP2019	173
HP2020	174	HP2021	175	HP2022	176	HP2023	177	HP2024	178
HP2025	179	HP2026	180	HP2027	181	HP2028	182	HP2029	183
HP2030	184	HP2031	185	HP2032	186	HP2033	187	HP2034	188
HP2035	189	HP2036	190	HP2037	191	HP2038	192	HP2039	193
HP2040	194	HP2041	195	HP2042	196	HP2043	197	HP2044	198
HP2045	199	HP2046	200	HP2047	201	HP2048	202	HP2049	203
HP2050	204	HP2051	205	HP2052	206	HP2053	207	HP2054	208
HP2055	209	HP2056	210	HP2057	211	HP2058	212	HP2059	213
HP2060	214	HP2061	215	HP2062	216	HP2063	217	HP2064	218
HP2065	219	HP2066	220	HP2067	221	HP2068	222	HP2069	223
HP2070	224	HP2071	225	HP2072	226	HP2073	227	HP2074	228
HP2075	229	HP2076	230	HP2077	231	HP2078	232	HP2079	233
HP2080	234	HP2081	235	HP2082	236	HP2083	237	HP2084	238
HP2085	239	HP2086	240	HP2087	241	HP2088	242	HP2089	243
HP2090	244	HP2091	245	HP2092	246	HP2093	247	HP2094	248
HP2095	249	HP2096	250	HP2097	251	HP2098	252	HP2099	253
HP3001	254	HP3001	255	HP3002	256	HP3003	257	HP3004	258
HP3006	259	HP3008	260	HP3010	261	HP3012	262	HP3013	263
HP3014	264	HP3015	265	HP3016	266	HP3017	267	HP3018	268
HP3019	269	HP3020	270	HP3021	271	HP3022	272	HP3023	273
HP3024	274	HP3025	275	HP3026	276	HP3027	277	HP3028	278
HP3029	279	HP3030	280	HP3031	281	HP3032	282	HP3033	283
HP3034	284	HP3035	285	HP3036	286	HP3037	287	HP3038	288
HP3039	289	HP3040	290	HP3041	291	HP3042	292	HP3043	293
HP3044	294	HP3045	295	HP3046	296	HP3047	297	HP3048	298
HP3049	299	HP3050	300	HP3051	301	HP3052	302	HP3053	303
HP3054	304	HP3055	305	HP3056	306	HP3057	307	HP3058	308
HP3059	309	HP3060	310	HP3061	311	HP3062	312	HP3063	313

MID	ITEM INDEX	MID	ITEM INDEX	MID	ITEM INDEX	MID	ITEM INDEX	MID	ITEM INDEX
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HP3069	319	HP3070	320	HP3071	321	HP3072	322	HP3073	323
HP3074	324	HP3075	325	HP3076	326	HP3077	327	HP3078	328
HP3079	329	HP3080	330	HP3081	331	HP3082	332	HP3083	333
HP3084	334	HP3085	335	HP3086	336	HP3087	337	HP3088	338
HP3089	339	HP3090	340	HP3091	341	HP3092	342	HP3093	343
HP3094	344	HP3095	345	HP3096	346	HP3097	347	HP3098	348
HP3099	349	HP3100	350	HP4101	351	HP4102	352	HP4103	353
HP4104	354	HP4105	355	HP4106	356	HP4107	357	HP4108	358
HP4109	359	HP4110	360	HP4111	361	HP4112	362	HP4113	363
HP4115	364	HP4116	365	HP4117	366	HP4201	367	HP4202	368
HP4203	369	HP4204	370	HP4205	371	HP4206	372	HP4207	373
HP4208	374	HP4209	375	HP4210	376	HP4211	377	HP4212	378
HP4213	379	HP4215	380	HP4216	381	HP4217	382	HP4301	383
HP4302	384	HP4303	385	HP4304	386	HP4305	387	HP4306	388
HP4307	389	HP4308	390	HP4309	391	HP4310	392	HP4311	393
HP4312	394	HP4313	395	HP4315	396	HP4316	397	HP4317	398
HP5001	399	HP5001	400	HP5002	401	HP5004	402	HP5101	403
HP5201	404	HP5301	405	HP5401	406	HP5501	407	HP1101	408
HP3101	409	HP3101	410	HP4125	411	HP4225	412	HP4325	413
HP3203	414	FM1201	415	FM2201	416	FM3201	417	FM0301	418
FM0302	419	FM0303	420	FM0200	421	FM5100	422	FM4201	423
FM1310	424	IR1001	425	IR1002	426	IR1003	427	IR1004	428
IR1005	429	IR1006	430	IR2001	431	IR2002	432	IR2003	433
IR2004	434	IR2005	435	IR2006	436	IR3001	437	IR3002	438
IR3003	439	IR3004	440	IR3005	441	IR3006	442	DP0001	443
DP0002	444	DP0003	445	DP0004	446	AP0004	447	AP0005	448
XP6001	449	XP6002	450	DH0001	451	DH0002	452	DH0003	453
DH0004	454	DH0005	455	DH0006	456	DH0007	457	DH0008	458
DH0009	459	DH0010	460	DH0011	461	DH0012	462	DH0013	463
DH0014	464	DH0015	465	DH0016	466	DH0017	467	DH0020	468
DH0021	469	DH0022	470	DH0023	471	HH3001	472	HH3101	473
HH3301	474	HH3002	475	HH3102	476	HH3302	477	HH3003	478
HH3103	479	HH3303	480	HH3004	481	HH3104	482	HH3304	483
HH3005	484	HH3105	485	HH3006	486	HH3106	487	HH3007	488
HH3107	489	HH3008	490	HH3009	491	HH3010	492	HH3201	493
HH3202	494	HH3203	495	HH3204	496	HH3205	497	HH3206	498
HH3207	499	HH3208	500	HH3209	501	HH3210	502	EH0001	503
EH0002	504	EH0003	505	EH0004	506	EH0005	507	EH0006	508
EH0007	509	EH0008	510	EH0009	511	EH0010	512	EH0011	513
EH0012	514	EH0013	515	EH0014	516	EH0015	517	EH0016	518
EH0017	519	EH0018	520	EH0019	521	EH0020	522	EH0021	523
EH0022	524	EH0023	525	EH0024	526	EH1001	527	DH1001	528
DH1002	529	DH1003	530	DH1004	531	DH1005	532	DT0001	533
DT0002	534	DT0003	535	DT0004	536	DT0005	537	DT0006	538
DT0007	539	DT0008	540	DT0009	541	DT0010	542	DT0011	543
DT0012	544	DT0021	545	DT0022	546	DT0023	547	DT0078	548
DT0079	549	DT0024	550	DT0025	551	DT0026	552	DT0027	553
DT0028	554	DT0029	555	DT0030	556	DT0031	557	DT0032	558
DT0033	559	DT0034	560	DT0035	561	DT0036	562	DT0047	563
DT0048	564	DT0049	565	DT0050	566	DT0080	567	DT0051	568

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DT0057	574	DT0058	575	DT0059	576	DT0060	577	DT0061	578
DT0062	579	DT0063	580	DT0074	581	DT0075	582	DT0076	583
DT0077	584	DT0081	585	DT0013	586	DT0014	587	DT0015	588
DT0016	589	DT0017	590	DT0018	591	DT0019	592	DT0020	593
ET1001	594	DT1001	595	DT1002	596	DT1003	597	DT1004	598
DT1005	599	DT1006	600	DT1007	601	DT1008	602	DT1009	603
DT1010	604	DT1011	605	DT1012	606	DT1013	607	DT1014	608
ET0001	609	ET0002	610	ET0003	611	ET0004	612	ET0005	613
ET0006	614	ET0007	615	ET0008	616	ET0009	617	ET0010	618
ET0011	619	ET0012	620	ET0013	621	ET0014	622	ET0015	623
ET0016	624	ET0017	625	ET0018	626	ET0019	627	E10020	628
ET0021	629	ET0022	630	ET0023	631	ET0024	632	SF0001	633
SF0002	634	SF0003	635	SF0004	636	SF0005	637	SF0006	638
SF0007	639	SF0008	640	HT3011	641	HT3111	642	HT3012	643
HT3112	644	HT3013	645	HT3113	646	HT3014	647	HT3114	648
HT3015	649	HT3115	650	HT3016	651	HT3116	652	HT3017	653
HT3117	654	HT3317	655	HT3018	656	HT3118	657	HT3318	658
HT3019	659	HT3119	660	HT3319	661	HT3020	662	HT3120	663
HT3320	664	HT3021	665	HT3121	666	HT3321	667	HT3022	668
HT3122	669	HT3322	670	HT3023	671	HT3123	672	HT3323	673
HT3024	674	HT3025	675	HT3026	676	HT3027	677	HT3028	678
HT3029	679	HT3030	680	HT3031	681	HT3211	682	HT3212	683
HT3213	684	HT3214	685	HT3215	686	HT3216	687	HT3217	688
HT3218	689	HT3219	690	HT3220	691	HT3221	692	HT3222	693
HT3223	694	HT3224	695	HT3225	696	HT3226	697	HT3227	698
HT3228	699	HT3229	700	HT3230	701	HT3231	702	FW0001	703
FW0002	704	FW0003	705	FW0004	706	FW0005	707	FW0006	708
FW0007	709	FW0008	710	FW0009	711	FW0010	712	FW0011	713
FW0012	714	FW0013	715	FW0014	716	FW0015	717	FW0016	718
FW1005	719	FW1006	720	FW1007	721	FW1008	722	FN0001	723
FN0002	724	FN0003	725	FN0004	726	FN0005	727	FN0006	728
FN0007	729	FN0008	730	FN0009	731	FN0010	732	FN0011	733
FN0012	734	FN0013	735	FN0014	736	FN0015	737	FN0016	738
FN0017	739	FN0018	740	FN0019	741	FN0020	742	FN0021	743
FN1001	744	FN1002	745	FN1003	746	FN1004	747	FN2001	748
FN2002	749	FN2003	750	FN2004	751	FN2005	752	CE1001	753
CE1002	754	CE1003	755	CE1004	756	CE1005	757	CE1006	758
CE1007	759	CE1008	760	CE1009	761	CE1010	762	CE1011	763
CE1012	764	CE1013	765	CE1014	766	CE1015	767	CE1016	768
CE1017	769	CE1018	770	CE1019	771	CE1020	772	CE1021	773
CE1022	774	CE1023	775	CE1024	776	CE1025	777	FW1001	778
FW1002	779	FW1003	780	FW1004	781	FW4001	782	RP0301	783
RP0302	784	RP0303	785	RP0304	786	RP0305	787	RP0306	788
RP0307	789	RP0308	790	RP0309	791	RP0310	792	XP0313	793
XP0316	794	XP0317	795	RP0320	796	QD1002	797	QD1003	798
QD1004	799	QD1005	800	XD1006	801	QD1008	802	QD1009	803
QD1010	804	QD1011	805	XD1013	806	QD1014	807	QD1015	808
QD1016	809	QD1017	810	QD2002	811	QD2003	812	QD2004	813
QD2005	814	XD2006	815	QD2008	816	QD2009	817	QD2010	818
QD2011	819	QD2014	820	QD2015	821	QD2016	822	QD2017	823

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QD3009	829	QD3010	830	QD3011	831	QD1001	832	QD1007	833
QD1012	834	QD2001	835	QD2007	836	QD2012	837	QD3001	838
QD3007	839	RP0319	840	EW0012	841	EW0011	842	EW0013	843
EW0010	844	EW0009	845	EW0008	846	EW0007	847	EW0006	848
EW0005	849	EW0004	850	EW0003	851	EW0002	852	EW0001	853
EW0004	854	EW0033	855	EW0032	856	EW0031	857	EW0030	858
EW0015	859	EW0014	860	EW0036	861	EW0027	862	EW0026	863
EW0028	864	EW0025	865	EW0024	866	EW0023	867	EW0022	868
EW0021	869	EW0020	870	EW0019	871	EW0018	872	EW0017	873
EW0016	874	EW0029	875	EW0035	876	EW0037	877	EW0038	878
EW0039	879	EW0041	880	EW0042	881	NT4917	882	NT4918	883
NT4919	884	NT4920	885	NT4921	886	NT4922	887	NT4923	888
NT4924	889	NT4925	890	NT4926	891	NT4927	892	NT4928	893
NT4929	894	NT4930	895	SS0007	896	SS0001	897	SS0002	898
SS0003	899	SS0004	900	SS0005	901	SS0006	902	EG0101	903
EG0102	904	EG0103	905	EG0104	906	EG0201	907	EG0202	908
EG0203	909	EG0204	910	EG0301	911	EG0302	912	EG0303	913
EG0304	914	HE0001	915	HE0002	916	HE0003	917	HE0004	918
HE0005	919	HE0006	920	HE0007	921	HE0008	922	HE0009	923
HE0010	924	HE0011	925	HE0012	926	HE0013	927	HE0014	928
HE0015	929	HE4917	930	HE4918	931	HE4919	932	HE4920	933
HE4921	934	HE4922	935	HE4923	936	HE4924	937	HE4925	938
HE4926	939	HE4927	940	HE4928	941	HE4929	942	HE4930	943
XP1003	944	XP1004	945	BP1001	946	CP1001	947	BP1002	948
CP1002	949	ZT0201	1024	ZT0202	1025	ZT0203	1026	ZT0204	1027
ZT0205	1028	ZP0001	1029	ZP0002	1030	ZP0003	1031	ZP0004	1032
ZP0005	1033	ZP0006	1034	ZP0007	1035	ZP0008	1036	ZP0009	1037
ZP0010	1038	ZP0101	1039	ZP0102	1040	ZP0103	1041	ZP0104	1042
ZP0105	1043	ZP0106	1044	ZP0107	1045	ZP0108	1046	ZP0109	1047
ZP0110	1048	ZP0201	1049	ZP0211	1050	ZS1155	1051	ZS1255	1052
ZS1051	1053	ZS1355	1054	ZT0001	1055	ZT0101	1056	ZT0111	1057
ZT0206	1058	ZT0207	1059	ZT0208	1060	ZT0209	1061	ZT0210	1062
ZT0211	1063	ZT0212	1064	ZT0213	1065	ZT0214	1066	ZT0215	1067
ZT0216	1068	ZT0217	1069	ZT0218	1070	ZT0219	1071	ZT0220	1072
ZS1056	1073	ZS1156	1074	ZS1256	1075	ZT0002	1076	ZT0102	1077
ZT0112	1078	ZS1053	1079	ZS1055	1080	ZS1356	1081	ZS1366	1082
ZP0011	1083	ZP0012	1084	ZP0013	1085	ZP0014	1086	ZP0015	1087
ZP0016	1088	ZP0017	1089	ZP0018	1090	ZP0019	1091	ZP0020	1092
ZP0021	1093	ZP0022	1094	ZP0023	1095	ZP0024	1096	ZP0025	1097
ZP0026	1098	ZP0027	1099	ZP0028	1100	ZP0029	1101	ZP0030	1102
ZP0031	1103	ZH3001	1104	ZH3002	1105	ZH3003	1106	ZH3004	1107
ZH3005	1108	ZH3006	1109	ZH3007	1110	ZH3011	1111	ZH3012	1112
ZH3013	1113	ZH3014	1114	ZH3015	1115	ZH3016	1116	ZH3017	1117
ZH3018	1118	ZH3019	1119	ZH3020	1120	ZH3021	1121	ZH3022	1122
ZH3023	1123	ZP0111	1124	ZP0112	1125	ZP0113	1126	ZP0114	1127
ZP0115	1128	ZP0116	1129	ZP0117	1130	ZP0118	1131	ZP0119	1132
ZP0120	1133	ZP0121	1134	ZP0122	1135	ZP0123	1136	ZP0124	1137
ZP0125	1138	ZP0126	1139	ZP0127	1140	ZP0128	1141	ZP0129	1142
ZP0130	1143	ZP0131	1144	ZP0202	1145	ZP0222	1146	ZW0201	1147
ZW0202	1148	ZW0203	1149	ZW0204	1150	ZT0251	1151	ZT0252	1152

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ZW0002	1158	ZW0003	1159	ZW0004	1160	ZW0101	1161	ZW0102	1162
ZW0103	1163	ZW0104	1164	ZF2001	1165	ZF2002	1166	ZF2003	1167
ZF2004	1168	ZF2005	1169	ZQ1101	1170	ZQ1102	1171	ZQ1103	1172
ZE0001	1173	ZE0002	1174	ZE0003	1175	ZE0004	1176	ZE0005	1177
ZE0006	1178	ZQ0001	1179	ZQ0002	1180	ZQ0003	1181	ZQ0101	1182
ZQ0102	1183	ZQ0103	1184	ZT0010	1185	ZR0001	1186	ZT0020	1187
ZS0011	1188	ZS0012	1189	ZQ0001	1190	ZP0314	1191	ZP0317	1192
ZV0313	1193	ZV0316	1194	ZV1006	1195	ZV1013	1196	ZV2006	1197
ZV1001	1198	ZV1002	1199	ZV1003	1200	ZP1103	1201	ZP1104	1202
ZP1106	1203	ZP1108	1204	ZP1113	1205	ZP1114	1206	ZP1115	1207
ZP1116	1208	ZP1119	1209	ZP1120	1210	ZP1121	1211	ZP1122	1212
ZP1123	1213	ZP1124	1214	ZP1126	1215	ZP1129	1216	ZP1130	1217
ZP6001	1218	ZP6002	1219	ZD1015	1220	ZD1020	1221	ZD1027	1222
ZD1031	1223	ZD1035	1224	ZD1039	1225	ZD1043	1226	ZD1050	1227
ZD1054	1228	ZD1058	1229	ZD1062	1230	ZD1066	1231	ZD1016	1232
ZD1032	1233	ZD1040	1234	ZD1055	1235	ZD1063	1236	ZD1024	1237
ZD1047	1238	ZD1070	1239	ZD1029	1240	ZD1037	1241	ZD1052	1242
ZD1059	1243	ZD1081	1244	ZD1085	1245	ZD1088	1246	ZD1090	1247
ZD1074	1248	ZD1075	1249	ZD1076	1250	ZD1078	1251	ZD1001	1252
ZD1201	1253	ZD1101	1254	ZD4103	1255	ZD4110	1256	ZD4112	1257
ZD4116	1258	ZD4101	1259	ZD0301	1260	ZD4125	1261	ZD2015	1262
ZD2018	1263	ZD2027	1264	ZD2031	1265	ZD2035	1266	ZD2039	1267
ZD2043	1268	ZD2050	1269	ZD2054	1270	ZD2058	1271	ZD2062	1272
ZD2066	1273	ZD2016	1274	ZD2032	1275	ZD2040	1276	ZD2055	1277
ZD2063	1278	ZD2024	1279	ZD2047	1280	ZD2070	1281	ZD2029	1282
ZD2037	1283	ZD2052	1284	ZD2060	1285	ZD2081	1286	ZD2085	1287
ZD2013	1288	ZD2090	1289	ZD2074	1290	ZD2075	1291	ZD2076	1292
ZD2081	1293	ZD2201	1294	ZD2101	1295	ZD2078	1296	ZD4203	1297
ZD4213	1298	ZD4212	1299	ZD4213	1300	ZD4216	1301	ZD4201	1302
ZD3302	1303	ZD4225	1304	ZD3015	1305	ZD3020	1306	ZD3027	1307
ZD3031	1308	ZD3035	1309	ZD3039	1310	ZD3043	1311	ZD3050	1312
ZD3054	1313	ZD3058	1314	ZD3062	1315	ZD3066	1316	ZD3016	1317
ZD3052	1318	ZD3040	1319	ZD3055	1320	ZD3063	1321	ZD3024	1322
ZD3047	1323	ZD3070	1324	ZD3029	1325	ZD3037	1326	ZD3052	1327
ZD3080	1328	ZD3081	1329	ZD3085	1330	ZD3088	1331	ZD3090	1332
ZD3074	1333	ZD3075	1334	ZD3076	1335	ZD3078	1336	ZD3001	1337
ZD0201	1338	ZD3101	1339	ZD4303	1340	ZD4310	1341	ZD4312	1342
ZD4313	1343	ZD4316	1344	ZD4301	1345	ZD0303	1346	ZD4325	1347
ZF5100	1348	ZF0300	1349	ZF0200	1350	ZF1201	1351	ZF2201	1352
ZF3201	1353	ZF4201	1354	ZF0301	1355	ZF0302	1356	ZF0303	1357
$$0054	54	$$0055	55	$$0056	56	$$0057	57	$$0058	58
$$0059	59	$$0060	60	$$0061	61	$$0062	62	$$0063	63
KK0101	2048	KK0102	2049	KK0103	2050	KK0104	2051	KK0105	2052
KK0106	2053	KK0107	2054	KK0108	2055	KK0109	2056	KK0110	2057
KK0111	2058	KK0112	2059	KK0113	2060	KK0114	2061	KK0115	2062
KK0116	2063	KK0117	2064	KK0118	2065	KK0119	2066	KK0120	2067
KK0121	2068	KK0201	2069	KK0202	2070	KK0203	2071	KK0204	2072
KK0205	2073	KK0206	2074	KK0207	2075	KK0208	2076	KK0209	2077
KK0210	2078	KK0211	2079	KK0212	2080	KK0213	2081	KK0214	2082
KK0215	2083	KK0216	2084	KK0217	2085	KK0218	2086	KK0219	2087

MID	ITEM INDEX	MID	ITEM INDEX	MID	ITEM INDEX	MID	ITEM INDEX	MID	ITEM INDEX
KK0220	2088	KK0221	2089	KK0222	2090	KK0223	2091	KK0224	2092
KK0225	2093	KK0226	2094	KK0227	2095	KK0228	2096	KK0229	2097
KK0230	2098	KK0231	2099	KK0232	2100	KK0233	2101	KK0234	2102
KK0235	2103	KK0236	2104	KK0237	2105	KK0238	2106	KK0239	2107
KK0240	2108	KK0241	2109	KK0301	2110	KK0302	2111	KK0303	2112
KK0304	2113	KK0401	2114	KK0402	2115	KK0501	2116	KK0502	2117
KK0503	2118	KK0504	2119	KK0505	2120	KK0506	2121	KK0507	2122
KK0508	2123	KK0509	2124	KK0510	2125	KK0511	2126	KK0512	2127
KK0601	2128	KK0602	2129	KK0603	2130	KK0604	2131	KK0605	2132
KK0606	2133	KK0607	2134	KK0608	2135	KK0609	2136	KK0610	2137
KK0611	2138	KK0612	2139	KK0613	2140	KK0614	2141	KK0615	2142
KK0701	2143	KK0702	2144	KK0703	2145	KK****	2146		

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
54	017	000	SEC SPRG EXEC 1 BEHIND	.000000	-.100000+01	SECS	.000000	00	00	000	000	001	000061
55	017	000	SEC SPRG EXEC 2 BEHIND	.000000	-.100000+01	SECS	.000000	00	00	000	000	001	000061
56	017	000	SEC SPRG EXEC 3 BEHIND	.000000	-.100000+01	SECS	.000000	00	00	000	000	001	000061
57	017	000	SEC SPRG EXEC 4 BEHIND	.000000	-.100000+01	SECS	.000000	00	00	000	000	001	000061
58	017	000	SEC SPRG EXEC 5 BEHIND	.000000	-.100000+01	SECS	.000000	00	00	000	000	001	000061
59	017	000	SEC SPRG EXEC 6 BEHIND	.000000	-.100000+01	SECS	.000000	00	00	000	000	001	000061
60	017	000	SEC SPRG EXEC 7 BEHIND	.000000	-.100000+01	SECS	.000000	00	00	000	000	001	000061
61	017	000	SEC SPRG EXEC FEP BHND	.000000	-.100000+01	SECS	.000000	00	00	000	000	001	000061
62	017	010	DEVICE FAILURE IN FEP	.000000	.000000		.000000	00	00	000	000	001	000001
63	017	000	CONVR AVAIL MEM IN FEP	.000000	-.100000+02		.000000	00	00	000	000	001	000021
64	003	001	INLET PANEL #1	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	061	001	036	015766
65	003	001	OUTLET PANEL #1	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	062	002	036	015766
66	003	001	FREON HEADER-HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	133	003	036	015473
67	003	001	FREON HEADER-HP 2	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	134	004	036	015473
68	003	001	FREON HEADER-HP 4	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	136	005	036	015473
69	003	001	FREON HEADER-HP 5	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	137	006	036	015473
70	003	001	FREON HEADER-HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	141	007	036	015473
71	003	001	FREON HEADER-HP 8	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	142	010	036	015473
72	003	001	FREON HEADER-HP 10	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	144	011	036	015473
73	003	001	FREON HEADER-HP 12	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	146	012	036	015473
74	003	001	HEAT PIPE-ONE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	147	013	036	015473
75	003	001	HEAT PIPE-ONE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	150	014	036	015473
76	003	001	HEAT PIPE-ONE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	151	015	036	015473
77	003	001	HEAT PIPE-ONE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	152	016	036	015473
78	003	001	HEAT PIPE-ONE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	153	017	036	015473
79	003	001	HEAT PIPE-TWO-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	154	020	036	015473
80	003	001	HEAT PIPE-TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	155	021	036	015473
81	003	001	HEAT PIPE TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	156	022	036	015473
82	003	001	HEAT PIPE TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	157	023	036	015473
83	003	001	HEAT PIPE TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	160	024	036	015473
84	003	001	HEAT PIPE TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	161	025	036	015473
85	003	001	HEAT PIPE TWO-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	162	026	036	015473
86	003	001	HEAT PIPE-THREE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	163	027	036	015473
87	003	001	HEAT PIPE-THREE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	164	030	036	015473
88	003	001	HEAT PIPE THREE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	165	031	036	015473
89	003	001	HEAT PIPE THREE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	166	032	036	015473
90	003	001	HEAT PIPE-FOUR-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	167	033	036	015473
91	003	001	HEAT PIPE FOUR	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	170	034	036	015473
92	003	001	HEAT PIPE FOUR	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	171	035	036	015473
93	003	001	HEAT PIPE FOUR-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	172	036	036	015473
94	003	001	HEAT PIPE FIVE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	173	001	036	015473
95	003	001	HEAT PIPE FIVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	174	002	036	015473
96	003	001	HEAT PIPE FIVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	175	003	036	015473
97	003	001	HEAT PIPE FIVE COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	176	004	036	015473
98	003	001	HEAT PIPE-SIX-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	177	005	036	015473
99	003	001	HEAT PIPE SIX	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	120	006	036	015473
100	003	001	HEAT PIPE-SIX	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	121	007	036	015473
101	003	001	HEAT PIPE-SIX-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	122	010	036	015473
102	003	001	HEAT PIPE-SEVEN-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	123	011	036	015473
103	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	124	012	036	015473

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
104	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	125	013	036	015473
105	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	126	014	036	015473
106	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	127	015	036	015473
107	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	130	016	036	015473
108	003	001	HEAT PIPE-SEVEN-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	131	017	036	015473
109	003	001	HEAT PIPE-EIGHT-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	132	020	036	015473
110	003	001	HEAT PIPE-EIGHT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	133	021	036	015473
111	003	001	HEAT PIPE-EIGHT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	134	022	036	015473
112	003	001	HEAT PIPE EIGHT-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	135	023	036	015473
113	003	001	HEAT PIPE-NINE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	136	024	036	015473
114	003	001	HEAT PIPE-NINE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	137	025	036	015473
115	003	001	HEAT PIPE-NINE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	140	026	036	015473
116	003	001	HEAT PIPE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	141	027	036	015473
117	003	001	HEAT PIPE-TEN-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	142	030	036	015473
118	003	001	HEAT PIPE-TEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	143	031	036	015473
119	003	001	HEAT PIPE-TEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	144	032	036	015473
120	003	001	HEAT PIPE-TEN-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	145	033	036	015473
121	003	001	HEAT PIPE-ELEVEN-EVA	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	147	034	036	015473
122	003	001	HEAT PIPE-ELEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	150	035	036	015473
123	003	001	HEAT PIPE-ELEVEN 2	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	151	036	036	015473
124	003	001	HEAT PIPE-ELEVEN-CON	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	152	001	036	015473
125	003	001	HEAT PIPE-TWELVE-EVA	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	153	002	036	015473
126	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	154	003	036	015473
127	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	155	004	036	015473
128	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	156	005	036	015473
129	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	157	006	036	015473
130	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	160	007	036	015473
131	003	001	HEAT PIPE-TWELVE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	161	010	036	015473
132	003	001	FIN - COND SIDE HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	162	011	036	015473
133	003	001	FIN - COND SIDE HP 3	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	163	012	036	015473
134	003	001	FIN - COND SIDE HP 5	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	164	013	036	015473
135	003	001	FIN - COND SIDE HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	165	014	036	015473
136	003	001	FIN - COND SIDE HP 8	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	166	015	036	015473
137	003	001	FIN - COND SIDE HP10	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	167	016	036	015473
138	003	001	FIN - COND SIDE HP11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	170	017	036	015473
139	003	001	FIN - MIDWAY HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	171	020	036	015473
140	003	001	FIN - MIDWAY HP 2	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	172	021	036	015473
141	003	001	FIN - MIDWAY HP 3	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	173	022	036	015473
142	003	001	FIN - MIDWAY HP 4	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	174	023	036	015473
143	003	001	FIN - MIDWAY HP 5	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	175	024	036	015473
144	003	001	FIN - MIDWAY HP 6	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	176	025	036	015473
145	003	001	FIN - MIDWAY HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	177	026	036	015473
146	003	001	FIN - MIDWAY HP 8	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	000	027	036	015473
147	003	001	FIN - MIDWAY HP 9	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	001	030	036	015473
148	003	001	FIN - MIDWAY HP 10	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	002	031	036	015473
149	003	001	FIN - MIDWAY HP 11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	003	032	036	015473
150	003	001	FIN -EVAP SIDE HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	004	033	036	015473
151	003	001	FIN -EVAP SIDE HP 4	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	005	034	036	015473
152	003	001	FIN -EVAP SIDE HP 6	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	006	035	036	015473
153	003	001	FIN -EVAP SIDE HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	007	036	036	015473

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
154	003	001	FIN -EVAP SIDE HP 9	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	010	001	036	015473
155	003	001	FIN -EVAP SIDE HP 11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	011	002	036	015473
156	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	012	003	036	015473
157	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	013	004	036	015473
158	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	014	005	036	015473
159	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	015	006	036	015473
160	003	001	INLET - PANEL #2	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	101	007	036	015766
161	003	001	OUTLET - PANEL #2	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	102	010	036	015766
162	003	001	FREON HEADER-HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	016	011	036	015473
163	003	001	FREON HEADER-HP 3	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	020	012	036	015473
164	003	001	FREON HEADER-HP 5	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	022	013	036	015473
165	003	001	FREON HEADER-HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	024	014	036	015473
166	003	001	FREON HEADER-HP 9	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	026	015	036	015473
167	003	001	FREON HEADER-HP 11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	030	016	036	015473
168	003	001	FREON HEADER-HP 12	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	031	017	036	015473
169	003	001	HEAT PIPE-ONE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	032	020	036	015473
170	003	001	HEAT PIPE-ONE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	033	021	036	015473
171	003	001	HEAT PIPE-ONE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	034	022	036	015473
172	003	001	HEAT PIPE-ONE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	035	023	036	015473
173	003	001	HEAT PIPE-ONE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	036	024	036	015473
174	003	001	HEAT PIPE-TWO-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	037	025	036	015473
175	003	001	HEAT PIPE-TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	040	026	036	015473
176	003	001	HEAT PIPE-TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	041	027	036	015473
177	003	001	HEAT PIPE-TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	042	030	036	015473
178	003	001	HEAT PIPE-TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	043	031	036	015473
179	003	001	HEAT PIPE-TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	044	032	036	015473
180	003	001	HEAT PIPE-TWO-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	045	033	036	015473
181	003	001	HEAT PIPE-THREE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	046	034	036	015473
182	003	001	HEAT PIPE-THREE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	047	035	036	015473
183	003	001	HEAT PIPE-THREE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	050	036	036	015473
184	003	001	HEAT PIPE-THREE-COND0	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	051	001	036	015473
185	003	001	HEAT PIPE-FOUR-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	052	002	036	015473
186	003	001	HEAT PIPE FOUR	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	053	003	036	015473
187	003	001	HEAT PIPE-FOUR	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	055	004	036	015473
188	003	001	HEAT PIPE-FOUR-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	056	005	036	015473
189	003	001	HEAT PIPE-FIVE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	057	006	036	015473
190	003	001	HEAT PIPE-FIVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	140	007	036	015473
191	003	001	HEAT PIPE-FIVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	141	010	036	015473
192	003	001	HEAT PIPE-FIVE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	142	011	036	015473
193	003	001	HEAT PIPE-SIX-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	143	012	036	015473
194	003	001	HEAT PIPE-SIX	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	144	013	036	015473
195	003	001	HEAT PIPE-SIX	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	145	014	036	015473
196	003	001	HEAT PIPE-SIX-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	146	015	036	015473
197	003	001	HEAT PIPE-SEVEN-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	147	016	036	015473
198	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	150	017	036	015473
199	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	151	020	036	015473
200	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	152	021	036	015473
201	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	153	022	036	015473
202	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	154	023	036	015473
203	003	001	HEAT PIPE-SEVEN-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	155	024	036	015473

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
204	003	001	HEAT PIPE-EIGHT-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	156	025	036	015473
205	003	001	HEAT PIPE-EIGHT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	157	026	036	015473
206	003	001	HEAT PIPE-EIGHT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	160	027	036	015473
207	003	001	HEAT PIPE-EIGHT-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	161	030	036	015473
208	003	001	HEAT PIPE-NINE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	162	031	036	015473
209	003	001	HEAT PIPE-NINE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	163	032	036	015473
210	003	001	HEAT PIPE-NINE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	164	033	036	015473
211	003	001	HEAT PIPE-NINE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	165	034	036	015473
212	003	001	HEAT PIPE-TEN-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	166	035	036	015473
213	003	001	HEAT PIPE-TEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	167	036	036	015473
214	003	001	HEAT PIPE-TEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	170	001	036	015473
215	003	001	HEAT PIPE-TEN-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	171	002	036	015473
216	003	001	HEAT PIPE-ELEVEN-EVA	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	172	003	036	015473
217	003	001	HEAT PIPE-ELEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	173	004	036	015473
218	003	001	HEAT PIPE-ELEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	174	005	036	015473
219	003	001	HEAT PIPE-ELEVEN-CON	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	175	006	036	015473
220	003	001	HEAT PIPE-TWELVE-EVA	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	176	007	036	015473
221	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	02	177	010	036	015473
222	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	000	011	036	015473
223	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	001	012	036	015473
224	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	002	013	036	015473
225	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	003	014	036	015473
226	003	001	HEAT PIPE-TWELVE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	004	015	036	015473
227	003	001	FIN - COND SIDE HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	005	016	036	015473
228	003	001	FIN - COND SIDE HP 3	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	006	017	036	015473
229	003	001	FIN - COND SIDE HP 5	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	007	020	036	015473
230	003	001	FIN - COND SIDE HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	010	021	036	015473
231	003	001	FIN - COND SIDE HP 8	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	011	022	036	015473
232	003	001	FIN - COND SIDE HP10	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	012	023	036	015473
233	003	001	FIN - COND SIDE HP11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	013	024	036	015473
234	003	001	FIN - MIDWAY HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	014	025	036	015473
235	003	001	FIN - MIDWAY HP 2	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	015	026	036	015473
236	003	001	FIN - MIDWAY HP 3	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	016	027	036	015473
237	003	001	FIN - MIDWAY HP 4	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	017	030	036	015473
238	003	001	FIN - MIDWAY HP 5	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	020	031	036	015473
239	003	001	FIN - MIDWAY HP 6	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	021	032	036	015473
240	003	001	FIN - MIDWAY HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	022	033	036	015473
241	003	001	FIN - MIDWAY HP 8	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	023	034	036	015473
242	003	001	FIN - MIDWAY HP 9	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	024	035	036	015473
243	003	001	FIN - MIDWAY HP 10	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	025	036	036	015473
244	003	001	FIN - MIDWAY HP 11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	026	001	036	015473
245	003	001	FIN -EVAP SIDE HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	027	002	036	015473
246	003	001	FIN -EVAP SIDE HP 4	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	030	003	036	015473
247	003	001	FIN -EVAP SIDE HP 6	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	031	004	036	015473
248	003	001	FIN -EVAP SIDE HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	032	005	036	015473
249	003	001	FIN -EVAP SIDE HP 9	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	033	006	036	015473
250	003	001	FIN -EVAP SIDE HP 11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	034	007	036	015473
251	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	035	010	036	015473
252	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	036	011	036	015473
253	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	041	012	036	015473

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
254	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	042	013	036	015473
255	003	001	INLET - PANEL #3	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	104	014	036	015766
256	003	001	OUTLET - PANEL #3	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	105	015	036	015766
257	003	001	FREON HEADER-HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	043	016	036	015473
258	003	001	FREON HEADER-HP 2	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	044	017	036	015473
259	003	001	FREON HEADER-HP 4	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	046	020	036	015473
260	003	001	FREON HEADER-HP 6	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	050	021	036	015473
261	003	001	FREON HEADER-HP 8	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	052	022	036	015473
262	003	001	FREON HEADER-HP 10	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	054	023	036	015473
263	003	001	FREON HEADER-HP 11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	055	024	036	015473
264	003	001	FREON HEADER-HP 12	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	056	025	036	015473
265	003	001	HEAT PIPE-ONE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	057	026	036	015473
266	003	001	HEAT PIPE-ONE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	060	027	036	015473
267	003	001	HEAT PIPE-ONE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	061	030	036	015473
268	003	001	HEAT PIPE-ONE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	062	031	036	015473
269	003	001	HEAT PIPE-ONE COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	063	032	036	015473
270	003	001	HEAT PIPE-TWO-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	064	033	036	015473
271	003	001	HEAT PIPE-TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	065	034	036	015473
272	003	001	HEAT PIPE-TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	066	035	036	015473
273	003	001	HEAT PIPE-TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	067	036	036	015473
274	003	001	HEAT PIPE-TWO-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	037	001	036	015473
275	003	001	HEAT PIPE-TWO	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	070	002	036	015473
276	003	001	HEAT PIPE-TWO-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	071	003	036	015473
277	003	001	HEAT PIPE-THREE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	072	004	036	015473
278	003	001	HEAT PIPE-THREE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	073	005	036	015473
279	003	001	HEAT PIPE-THREE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	074	006	036	015473
280	003	001	HEAT PIPE-THREE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	075	007	036	015473
281	003	001	HEAT PIPE-FOUR-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	076	010	036	015473
282	003	001	HEAT PIPE-FOUR	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	077	011	036	015473
283	003	001	HEAT PIPE-FOUR	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	100	012	036	015473
284	003	001	HEAT PIPE-FOUR-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	101	013	036	015473
285	003	001	HEAT PIPE-FIVE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	102	014	036	015473
286	003	001	HEAT PIPE-FIVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	103	015	036	015473
287	003	001	HEAT PIPE-FIVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	104	016	036	015473
288	003	001	HEAT PIPE-FIVE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	105	017	036	015473
289	003	001	HEAT PIPE-SIX-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	106	020	036	015473
290	003	001	HEAT PIPE-SIX	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	107	021	036	015473
291	003	001	HEAT PIPE-SIX	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	110	022	036	015473
292	003	001	HEAT PIPE-SIX-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	111	023	036	015473
293	003	001	HEAT PIPE-SEVEN-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	112	024	036	015473
294	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	113	025	036	015473
295	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	114	026	036	015473
296	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	115	027	036	015473
297	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	116	030	036	015473
298	003	001	HEAT PIPE-SEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	117	031	036	015473
299	003	001	HEAT PIPE-SEVEN-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	120	032	036	015473
300	003	001	HEAT PIPE-EIGHT-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	121	033	036	015473
301	003	001	HEAT PIPE-EIGHT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	122	034	036	015473
302	003	001	HEAT PIPE-EIGHT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	123	035	036	015473
303	003	001	HEAT PIPE-EIGHT-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	124	036	036	015473

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FNT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
304	003	001	HEAT PIPE-NINE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	125	001	036	015473
305	003	001	HEAT PIPE-NINE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	126	002	036	015473
306	003	001	HEAT PIPE-NINE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	127	003	036	015473
307	003	001	HEAT PIPE-NINE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	130	004	036	015473
308	003	001	HEAT PIPE-TEN-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	131	005	036	015473
309	003	001	HEAT PIPE-TEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	132	006	036	015473
310	003	001	HEAT PIPE-TEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	133	007	036	015473
311	003	001	HEAT PIPE-TEN-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	134	010	036	015473
312	003	001	HEAT PIPE-ELEVEN-EVA	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	135	011	036	015473
313	003	001	HEAT PIPE-ELEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	136	012	036	015473
314	003	001	HEAT PIPE-ELEVEN	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	137	013	036	015473
315	003	001	HEAT PIPE-ELEVEN-CON	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	140	014	036	015473
316	003	001	HEAT PIPE-TWELVE-EVA	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	141	015	036	015473
317	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	142	016	036	015473
318	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	143	017	036	015473
319	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	144	020	036	015473
320	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	145	021	036	015473
321	003	001	HEAT PIPE-TWELVE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	146	022	036	015473
322	003	001	HEAT PIPE-TWELVE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	147	023	036	015473
323	003	001	FIN - COND SIDE HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	151	024	036	015473
324	003	001	FIN - COND SIDE HP 3	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	152	025	036	015473
325	003	001	FIN - COND SIDE HP 5	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	153	026	036	015473
326	003	001	FIN - COND SIDE HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	154	027	036	015473
327	003	001	FIN - COND SIDE HP 8	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	155	030	036	015473
328	003	001	FIN - COND SIDE HP10	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	156	031	036	015473
329	003	001	FIN - COND SIDE HP11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	157	032	036	015473
330	003	001	FIN - MIDWAY HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	160	033	036	015473
331	003	001	FIN - MIDWAY HP 2	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	161	034	036	015473
332	003	001	FIN - MIDWAY HP 3	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	162	035	036	015473
333	003	001	FIN - MIDWAY HP 4	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	163	036	036	015473
334	003	001	FIN - MIDWAY HP 5	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	164	001	036	015473
335	003	001	FIN - MIDWAY HP 6	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	165	002	036	015473
336	003	001	FIN - MIDWAY HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	166	003	036	015473
337	003	001	FIN - MIDWAY HP 8	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	167	004	036	015473
338	003	001	FIN - MIDWAY HP 9	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	170	005	036	015473
339	003	001	FIN - MIDWAY HP 10	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	171	006	036	015473
340	003	001	FIN - MIDWAY HP 11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	172	007	036	015473
341	003	001	FIN -EVAP SIDE HP 1	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	173	010	036	015473
342	003	001	FIN -EVAP SIDE HP 4	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	174	011	036	015473
343	003	001	FIN -EVAP SIDE HP 6	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	175	012	036	015473
344	003	001	FIN -EVAP SIDE HP 7	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	176	013	036	015473
345	003	001	FIN -EVAP SIDE HP 9	.150000+03	-.250000+03	DEGR-F	.400000-01	00	03	177	014	036	015473
346	003	001	FIN -EVAP SIDE HP 11	.150000+03	-.250000+03	DEGR-F	.400000-01	00	01	000	015	036	015473
347	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	01	001	016	036	015473
348	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	01	002	017	036	015473
349	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	01	003	020	036	015473
350	003	001	FIN-TEMP DISTRIB	.150000+03	-.250000+03	DEGR-F	.400000-01	00	01	004	021	036	015473
351	003	001	INLET - ELEMENT #1	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	112	022	036	015766
352	003	001	OUTLET - ELEMENT #1	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	113	023	036	015766
353	003	001	HEAT PIPE-VAPOR	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	144	024	036	015473

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
354	003	001	HEAT PIPE TUBE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	124	025	036	015473
355	003	001	HEAT PIPE TUBE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	125	026	036	015473
356	003	001	HEAT PIPE TUBE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	126	027	036	015473
357	003	001	HEAT PIPE TUBE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	127	030	036	015473
358	003	001	HEAT PIPE TUBE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	130	031	036	015473
359	003	001	HEAT PIPE ROOT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	147	032	036	015473
360	003	001	HEAT PIPE MIDPT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	025	033	036	015473
361	003	001	HEAT PIPE EDGE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	01	171	034	036	015473
362	003	001	HEAT PIPE ROOT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	150	035	036	015473
363	003	001	HEAT PIPE MIDPT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	027	036	036	015473
364	003	001	HEAT PIPE ROOT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	135	001	036	015473
365	003	001	HEAT PIPE MIDPT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	045	002	036	015473
366	003	001	HEAT PIPE EDGE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	01	174	003	036	015473
367	003	001	INLET - ELEMENT #2	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	114	004	036	015766
368	003	001	OUTLET - ELEMENT #2	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	115	005	036	015766
369	003	001	HEAT PIPE VAPOR	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	145	006	036	015473
370	003	001	HEAT PIPE TUBE-EVAP	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	131	007	036	015473
371	003	001	HEAT PIPE TUBE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	132	010	036	015473
372	003	001	HEAT PIPE TUBE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	133	011	036	015473
373	003	001	HEAT PIPE TUBE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	134	012	036	015473
374	003	001	HEAT PIPE TUBE-COND	.150000+03	-.250000+03	DEGR-F	.400000-01	00	06	135	013	036	015473
375	003	001	HEAT PIPE ROOT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	140	014	036	015473
376	003	001	HEAT PIPE MIDPT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	047	015	036	015473
377	003	001	HEAT PIPE EDGE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	01	172	016	036	015473
378	003	001	HEAT PIPE ROOT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	143	017	036	015473
379	003	001	HEAT PIPE MIDPT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	051	020	036	015473
380	003	001	HEAT PIPE ROOT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	05	145	021	036	015473
381	003	001	HEAT PIPE MIDPT	.150000+03	-.250000+03	DEGR-F	.400000-01	00	04	053	022	036	015473
382	003	001	HEAT PIPE EDGE	.150000+03	-.250000+03	DEGR-F	.400000-01	00	01	175	023	036	015473
383	003	001	INLET - ELEMENT #3	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	116	024	036	015766
384	003	001	OUTLET - ELEMENT #3	.160000+03	-.180000+03	DEGR-F	.160000+00	00	01	117	025	036	015766
385	003	001	HEAT PIPE VAPOR	.160000+03	-.250000+03	DEGR-F	.400000-01	00	06	146	026	036	015473
386	003	001	HEAT PIPE TUBE-EVAP	.160000+03	-.250000+03	DEGR-F	.400000-01	00	06	136	027	036	015473
387	003	001	HEAT PIPE TUBE	.160000+03	-.250000+03	DEGR-F	.400000-01	00	06	137	030	036	015473
388	003	001	HEAT PIPE TUBE	.160000+03	-.250000+03	DEGR-F	.400000-01	00	06	141	031	036	015473
389	003	001	HEAT PIPE TUBE	.160000+03	-.250000+03	DEGR-F	.400000-01	00	06	142	032	036	015473
390	003	001	HEAT PIPE TUBE-COND	.160000+03	-.250000+03	DEGR-F	.400000-01	00	06	143	033	036	015473
391	003	001	HEAT PIPE ROOT	.160000+03	-.250000+03	DEGR-F	.400000-01	00	05	017	034	036	015473
392	003	001	FIN MID-POINT	.160000+03	-.250000+03	DEGR-F	.400000-01	00	01	177	035	036	015473
393	003	001	HEAT PIPE EDGE	.160000+03	-.250000+03	DEGR-F	.400000-01	00	01	173	036	036	015473
394	003	001	HEAT PIPE ROOT	.160000+03	-.250000+03	DEGR-F	.400000-01	00	05	021	001	026	015473
395	003	001	FIN MID-POINT	.160000+03	-.250000+03	DEGR-F	.400000-01	00	01	016	002	036	015473
396	003	001	HEAT PIPE ROOT	.160000+03	-.250000+03	DEGR-F	.400000-01	00	05	023	003	036	015473
397	003	001	FIN MID-POINT	.160000+03	-.250000+03	DEGR-F	.400000-01	00	01	017	004	036	015473
398	003	001	HEAT PIPE EDGE	.160000+03	-.250000+03	DEGR-F	.400000-01	00	01	176	005	036	015473
399	003	001	INLET RSD SYSTEM	.160000+03	.000000	DEGR-F	.310000-01	00	01	157	006	036	014773
400	003	001	INLET PANEL SYSTEM	.160000+03	.000000	DEGR-F	.160000+00	00	01	107	007	036	015767
401	003	001	OUTLET PANEL SYSTEM	.160000+03	.000000	DEGR-F	.160000+00	00	01	110	010	036	015767
402	003	001	BYPASS TEMPERATURE	.200000+03	.000000	DEGR-F	.160000+00	00	01	111	011	036	016066
403	003	001	F-21 CART OUTL BOTH SY	.160000+03	.000000	DEGR-F	.310000-01	00	01	163	012	036	014773

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
404	003	001	MIXED OUTLET TEMP	.160000+03	.000000	DEGR-F	.310000-01	00	06	066	013	036	014773
405	003	001	MIX TEMP RCV BACKUP	.100000+03	.000000	DEGR-F	.310000-01	00	01	170	014	036	014775
406	003	001	CART OUTLET-PANEL SYS	.160000+03	.000000	DEGR-F	.310000-01	00	01	164	015	036	014773
407	003	001	F-21 CART OUTL FIN ELM	.160000+03	.000000	DEGR-F	.310000-01	00	01	165	016	036	014773
408	003	001	DELTA T PANEL #1	.600000+02	-.600000+02	DEGR-F	.800000-01	00	01	060	017	036	015770
409	003	001	DELTA T PANEL #2	.600000+02	-.600000+02	DEGR-F	.800000-01	00	01	100	020	036	015770
410	003	001	DELTA T - PANEL #3	.600000+02	-.600000+02	DEGR-F	.800000-01	00	01	103	021	036	015770
411	003	001	DELTA T - ELEMENT #1	.250000+02	-.250000+02	DEGR-F	.400000-01	00	03	112	022	036	015771
412	003	001	DELTA T - ELEMENT #2	.250000+02	-.250000+02	DEGR-F	.400000-01	00	03	113	023	036	015771
413	003	001	DELTA T - ELEMENT #3	.250000+02	-.250000+02	DEGR-F	.400000-01	00	03	114	024	036	015771
414	003	001	DELTA T-PANEL SYSTEM	.200000+03	-.200000+03	DEGR-F	.160000+00	00	01	106	025	036	015766
415	003	001	PANEL #1 MID FLOW	.160000+04	.000000	LB/HR	.500000+01	00	01	071	026	036	002061
416	003	001	PANEL #2 MID FLOW	.160000+04	.000000	LB/HR	.250000+01	00	01	072	027	036	002161
417	003	001	PANEL #3 MID FLOW	.160000+04	.000000	LB/HR	.250000+01	00	01	073	030	036	002262
418	003	001	ELEMENT #1	.800000+03	.000000	LB/HR	.250000+01	00	01	075	031	036	001562
419	003	001	ELEMENT #2	.800000+03	.000000	LB/HR	.250000+01	00	01	076	032	036	001662
420	003	001	ELEMENT #3	.800000+03	.000000	LB/HR	.250000+01	00	01	077	033	036	001762
421	003	001	PANEL SYSTEM FLOW	.160000+04	.000000	LB/HR	.250000+01	00	01	124	034	036	001262
422	003	001	SY TOT FLOW TO HP-FIN	.320000+04	.000000	LB/HR	.125000+01	00	01	126	035	036	001363
423	003	001	SYSTEM BYPASS FLOW	.160000+04	.000000	LB/HR	.250000+01	00	01	074	036	036	002362
424	003	001	R&D SYSTEM LEG FLOW	.250000+04	.000000	LB/HR	.250000+01	00	01	125	001	036	001262
425	006	000	FLUID PANEL 1 T/C 1	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	005	002	005	015473
426	006	000	FLUID PANEL 1 T/C 2	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	006	003	005	015473
427	006	000	FLUID PANEL 1 T/C 3	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	007	004	005	015473
428	006	000	FLUID PANEL 1 T/C 4	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	010	005	005	015473
429	006	000	FLUID PANEL 1 T/C 5	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	011	001	005	015473
430	006	000	FLUID PANEL 1 T/C 6	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	012	002	005	015473
431	006	000	FLUID PANEL 2 T/C 1	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	015	003	005	015473
432	006	000	FLUID PANEL 2 T/C 2	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	016	004	005	015473
433	006	000	FLUID PANEL 2 T/C 3	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	017	005	005	015473
434	006	000	FLUID PANEL 2 T/C 4	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	020	001	005	015473
435	006	000	FLUID PANEL 2 T/C 5	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	021	002	005	015473
436	006	000	FLUID PANEL 2 T/C 6	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	022	003	005	015473
437	006	000	FLUID PANEL 3 T/C 1	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	025	004	005	015473
438	006	000	FLUID PANEL 3 T/C 2	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	026	005	005	015473
439	006	000	FLUID PANEL 3 T/C 3	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	027	001	005	015473
440	006	000	FLUID PANEL 3 T/C 4	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	030	002	005	015473
441	006	000	FLUID PANEL 3 T/C 5	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	031	003	005	015473
442	006	000	FLUID PANEL 3 T/C 6	.150000+03	-.350000+03	DEGR-F	.400000-01	00	04	032	004	005	015473
443	003	001	HP DROP ACROSS HD #1	.250000+02	.000000	PSID	.250000+01	00	03	100	005	036	003462
444	003	001	ACROSS HEADER #2	.250000+02	.000000	PSID	.250000+01	00	03	101	006	036	003462
445	003	001	ACROSS HEADER #3	.250000+02	.000000	PSID	.250000+01	00	03	102	012	036	003462
446	003	001	ACROSS SYSTEM (IN/OUT)	.750000+02	.000000	PSID	.250000+01	00	03	103	013	036	003362
447	003	001	ABSOLUTE PRES SY INLET	.300000+03	.000000	PSIA	.500000+01	00	03	107	017	036	003261
448	003	001	ABSOLUTE PRES SY OUTLT	.300000+03	.000000	PSIA	.500000+01	00	01	127	020	036	003261
449	003	010	ULTEK ION GAGE #5	.000000	.000000	EVENT	.000000	01	00	006	024	036	000001
450	003	010	ULTEK ION GAGE #6	.000000	.000000	EVENT	.000000	01	00	007	025	036	000001
451	001	001	DUCT UPS H(A-1) TOP	.300000+03	.000000	DEGR-F	.310000-01	00	06	001	001	003	014573
452	001	001	DUCT UPS H(A-1) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	002	002	003	014573
453	001	001	1ST BEND INS H(A-2)	.300000+03	.000000	DEGR-F	.310000-01	00	06	003	003	003	014573

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
454	001	001	CNTRL PAD BASE H(A-2)	.400000+03	.000000	DEGR-F	.310000-01	00	06	004	001	003	014573
455	001	001	CNTRL PAD UPS H(A-2)	.400000+03	.000000	DEGR-F	.310000-01	00	06	005	002	003	014573
456	001	001	CNTRL PAD DWN H(A-2)	.400000+03	.000000	DEGR-F	.310000-01	00	06	006	003	003	014573
457	001	001	CNTRL PAD UPS H(B-1)	.400000+03	.000000	DEGR-F	.310000-01	00	06	007	001	003	014573
458	001	001	CNTRL PAD DWN H(B-1)	.400000+03	.000000	DEGR-F	.310000-01	00	06	010	002	003	014573
459	001	001	2ND BEND INS H(B-1)	.300000+03	.000000	DEGR-F	.310000-01	00	06	011	001	012	014573
460	001	001	BELLWS H(C-1) TOP-1	.400000+03	.000000	DEGR-F	.310000-01	00	06	012	002	012	014573
461	001	001	BELLWS H(C-1) TOP-2	.400000+03	.000000	DEGR-F	.310000-01	00	06	013	003	012	014573
462	001	001	BELLWS H(C-1) TOP-3	.400000+03	.000000	DEGR-F	.310000-01	00	06	014	004	012	014573
463	001	002	BELLWS H(C-1) TOP-4	.400000+03	.000000	DEGR-F	.310000-01	00	06	015	005	012	014573
464	001	001	BELLWS H(C-1) BOT-1	.400000+03	.000000	DEGR-F	.310000-01	00	06	016	006	012	014573
465	001	001	BELLWS H(C-1) BOT-2	.400000+03	.000000	DEGR-F	.310000-01	00	06	017	007	012	014573
466	001	001	BELLWS H(C-1) BOT-3	.400000+03	.000000	DEGR-F	.310000-01	00	06	020	010	012	014573
467	001	001	BELLWS H(C-1) BOT-4	.400000+03	.000000	DEGR-F	.310000-01	00	06	021	011	012	014573
468	001	002	NOZ UPS H(C-1) TOP	.400000+03	.000000	DEGR-F	.310000-01	00	06	022	003	003	014573
469	001	002	NOZ UPS H(C-1) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	023	001	003	014573
470	001	002	NOZ DWN H(C-1) TOP	.350000+03	.000000	DEGR-F	.310000-01	00	06	024	005	012	014573
471	001	002	NOZ DWN H(C-1) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	025	012	012	014573
472	001	002	HTR H(A) PRI I1	.100000+02	.000000	AMPS	.250000+01	00	02	050	001	012	004362
473	001	002	HTR H(A) PRI I2	.100000+02	.000000	AMPS	.250000+01	00	02	051	002	012	004362
474	001	002	HTR H(A) PRI I3	.100000+02	.000000	AMPS	.250000+01	00	02	052	003	012	004362
475	001	002	HTR H(A) SEC I1	.100000+02	.000000	AMPS	.250000+01	00	02	053	004	012	004362
476	001	002	HTR H(A) SEC I2	.100000+02	.000000	AMPS	.250000+01	00	02	054	005	012	004362
477	001	002	HTR H(A) SEC I3	.100000+02	.000000	AMPS	.250000+01	00	02	055	006	012	004362
478	001	002	HTR H(A-1) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	056	001	003	004362
479	001	002	HTR H(A-1) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	057	002	003	004362
480	001	002	HTR H(A-1) TER I3	.100000+02	.000000	AMPS	.250000+01	00	02	060	003	003	004362
481	001	002	HTR H(A-2) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	061	001	001	004362
482	001	002	HTR H(A-2) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	062	001	001	004362
483	001	002	HTR H(A-2) TER I3	.100000+02	.000000	AMPS	.250000+01	00	02	063	001	001	004362
484	001	002	HTR H(B) PRI I1	.100000+02	.000000	AMPS	.250000+01	00	02	064	007	012	004362
485	001	002	HTR H(B) PRI I2	.100000+02	.000000	AMPS	.250000+01	00	02	065	010	012	004362
486	001	002	HTR H(B) SEC I1	.100000+02	.000000	AMPS	.250000+01	00	02	066	001	001	004362
487	001	002	HTR H(B) SEC I2	.100000+02	.000000	AMPS	.250000+01	00	02	067	001	001	004362
488	001	002	HTR H(B) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	070	011	012	004362
489	001	002	HTR H(B) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	071	012	012	004362
490	001	002	HTR H(C) PRI	.100000+02	.000000	AMPS	.250000+01	00	02	035	001	001	004362
491	001	002	HTR H(C) SEC	.100000+02	.000000	AMPS	.250000+01	00	02	036	001	012	004362
492	001	002	HTR H(C) TER	.100000+02	.000000	AMPS	.250000+01	00	02	037	002	012	004362
493	001	002	HTR H(A) PRI	.320000+02	.000000	VOLTS	.250000+01	00	03	040	003	012	010662
494	001	002	HTR H(A) SEC	.320000+02	.000000	VOLTS	.250000+01	00	03	041	004	012	010262
495	001	002	HTR H(A-1) TER	.150000+02	.000000	VOLTS	.250000+01	00	03	042	001	001	011062
496	001	002	HTR H(A-2) TER	.320000+02	.000000	VOLTS	.250000+01	00	03	043	001	001	010162
497	001	002	HTR H(B) PRI	.320000+02	.000000	VOLTS	.250000+01	00	03	044	005	012	010062
498	001	002	HTR H(B) SEC	.320000+02	.000000	VOLTS	.250000+01	00	03	045	001	001	010262
499	001	002	HTR H(B) TER	.320000+02	.000000	VOLTS	.250000+01	00	03	046	006	012	007662
500	001	002	HTR H(C) PRI	.320000+02	.000000	VOLTS	.250000+01	00	03	047	001	001	010662
501	001	002	HTR H(C) SEC	.320000+02	.000000	VOLTS	.250000+01	00	03	050	007	012	007762
502	001	002	HTR H(C) TER	.320000+02	.000000	VOLTS	.250000+01	00	03	051	010	012	010262
503	001	002	H/L EVAP V/P 0 DEG-1	.150000+03	.000000	DEGR-F	.310000-01	00	07	073	011	012	014774

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
504	001	002	H/L EVAP V/P 0 DEG-2	.150000+03	.000000	DEGR-F	.310000-01	00	07	074	012	012	014774
505	001	002	H/L EVAP V/P 120 DEG-1	.150000+03	.000000	DEGR-F	.310000-01	00	07	075	001	012	014774
506	001	002	H/L EVAP V/P 120 DEG-2	.150000+03	.000000	DEGR-F	.310000-01	00	07	076	002	012	014774
507	001	002	H/L EVAP V/P 240 DEG-1	.150000+03	.000000	DEGR-F	.310000-01	00	07	077	003	012	014774
508	001	002	H/L EVAP V/P 240 DEG-2	.150000+03	.000000	DEGR-F	.310000-01	00	07	100	004	012	014774
509	001	002	H/L EVAP CORE 0 DEG-1	.150000+03	.000000	DEGR-F	.310000-01	00	07	101	005	012	014774
510	001	002	H/L EVAP CORE 0 DEG-2	.150000+03	.000000	DEGR-F	.310000-01	00	07	102	006	012	014774
511	001	002	H/L EVAP CORE 0 DEG-3	.150000+03	.000000	DEGR-F	.310000-01	00	07	103	007	012	014774
512	001	002	H/L EVAP CORE 0 DEG-4	.150000+03	.000000	DEGR-F	.310000-01	00	07	105	010	012	014774
513	001	002	H/L EVAP CORE 0 DEG-5	.150000+03	.000000	DEGR-F	.310000-01	00	07	106	011	012	014774
514	001	002	HL EVAP CORE 120 DEG-1	.150000+03	.000000	DEGR-F	.310000-01	00	07	107	012	012	014774
515	001	002	HL EVAP CORE 120 DEG-2	.150000+03	.000000	DEGR-F	.310000-01	00	07	110	001	012	014774
516	001	002	HL EVAP CORE 120 DEG-3	.150000+03	.000000	DEGR-F	.310000-01	00	07	111	002	012	014774
517	001	002	HL EVAP CORE 120 DEG-4	.150000+03	.000000	DEGR-F	.310000-01	00	07	112	003	012	014774
518	001	002	HL EVAP CORE 120 DEG-5	.150000+03	.000000	DEGR-F	.310000-01	00	07	113	004	012	014774
519	001	002	HL EVAP CORE 240 DEG-1	.150000+03	.000000	DEGR-F	.310000-01	00	07	114	005	012	014774
520	001	002	HL EVAP CORE 240 DEG-2	.150000+03	.000000	DEGR-F	.310000-01	00	07	115	006	012	014774
521	001	002	HL EVAP CORE 240 DEG-3	.150000+03	.000000	DEGR-F	.310000-01	00	07	116	007	012	014774
522	001	002	HL EVAP CORE 240 DEG-4	.150000+03	.000000	DEGR-F	.310000-01	00	07	117	010	012	014774
523	001	002	HL EVAP CORE 240 DEG-5	.150000+03	.000000	DEGR-F	.310000-01	00	03	111	011	012	014774
524	001	002	H/L EVAP BOT 0 DEG	.150000+03	.000000	DEGR-F	.310000-01	00	07	121	012	012	014774
525	001	002	H/L EVAP BOT 120 DEG	.150000+03	.000000	DEGR-F	.310000-01	00	07	122	001	012	014774
526	001	002	H/L EVAP BOT 240 DEG	.150000+03	.000000	DEGR-F	.310000-01	00	07	123	002	012	014774
527	001	004	H/L BOILER P	.100000+02	.000000	TORR-A	.500000+01	00	01	135	002	003	006761
528	001	004	H/L DUCT INLT P-1	.100000+02	.000000	TORR-A	.000000	00	03	077	003	003	004462
529	001	004	H/L DUCT INLT P-2	.100000+02	.000000	TORR-A	.000000	00	01	137	001	003	004562
530	001	004	H/L DUCT DELT P-1	.100000+01	.000000	TORR-D	.000000	00	01	146	002	003	004661
531	001	004	H/L DUCT DELT P-2	.100000+01	.000000	TORR-D	.000000	00	01	147	003	003	004761
532	001	004	H/L NOZ INLT P	.100000+02	.000000	TORR-A	.000000	00	01	136	001	003	005061
533	001	001	DUCT UPS T(D-1) TOP	.300000+03	.000000	DEGR-F	.310000-01	00	06	026	002	003	014573
534	001	001	DUCT UPS T(D-1) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	027	003	003	014573
535	001	001	1ST BEND IN T(D-2)	.300000+03	.000000	DEGR-F	.310000-01	00	06	030	001	003	014573
536	001	001	CNTRL PAD UPS T(D-2)	.400000+03	.000000	DEGR-F	.310000-01	00	06	031	002	003	014573
537	001	001	CNTRL BASE DWN T(D-2)	.400000+03	.000000	DEGR-F	.310000-01	00	06	032	003	003	014573
538	001	001	CNTRL BASE UPS T(D-2)	.400000+03	.000000	DEGR-F	.310000-01	00	06	033	001	003	014573
539	001	001	CNTRL BASE DWN T(D-2)	.400000+03	.000000	DEGR-F	.310000-01	00	06	034	002	003	014573
540	001	001	1ST BEND DWN T(D-2)	.400000+03	.000000	DEGR-F	.310000-01	00	06	035	003	003	014573
541	001	001	DUCT MID T(D-3) TOP	.300000+03	.000000	DEGR-F	.310000-01	00	06	036	001	003	014573
542	001	001	DUCT MID T(D-3) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	037	002	003	014573
543	001	001	DUCT MID T(D-4) TOP	.300000+03	.000000	DEGR-F	.310000-01	00	06	040	003	003	014573
544	001	001	DUCT MID T(D-4) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	041	001	003	014573
545	001	001	CNTRL PAD UPS T(E-1)	.400000+03	.000000	DEGR-F	.310000-01	00	06	042	002	003	014573
546	001	001	CNTRL PAD DWN T(E-1)	.400000+03	.000000	DEGR-F	.310000-01	00	06	043	003	003	014573
547	001	001	MID Y C/L T(E-1)	.400000+03	.000000	DEGR-F	.310000-01	00	06	044	003	012	014573
548	001	001	HIGH FLUX OUT(D-4) TOP	.350000+03	.000000	DEGR-F	.310000-01	00	06	045	004	012	014573
549	001	001	HIGH FLUX OUT(D-4) BOT	.350000+03	.000000	DEGR-F	.310000-01	00	06	046	006	012	014573
550	001	001	Y LEFT TL(E-1) TOP	.300000+03	.000000	DEGR-F	.310000-01	00	06	047	007	012	014573
551	001	001	Y LEFT TL(E-2) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	050	010	012	014573
552	001	001	DUCT UPS TL(E-2)	.400000+03	.000000	DEGR-F	.310000-01	00	06	051	001	003	014573
553	001	001	DUCT DWN TL(E-2)	.300000+03	.000000	DEGR-F	.310000-01	00	06	052	002	003	014573

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
554	001	001	DUCT MID TL(E-3) TOP	.400000+03	.000000	DEGR-F	.310000-01	00	06	053	003	003	014573
555	001	001	DUCT MID TL(E-3) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	054	001	003	014573
556	001	001	BEND TL(H-1) TOP	.300000+03	.000000	DEGR-F	.310000-01	00	06	055	005	012	014573
557	001	001	CNTRL PAD UPS TL(H-1)	.400000+03	.000000	DEGR-F	.310000-01	00	06	056	001	003	014573
558	001	001	CNTRL PAD DWN TL(H-1)	.400000+03	.000000	DEGR-F	.310000-01	00	06	057	002	003	014573
559	001	001	DUCT MID TL(H-2) IN	.300000+03	.000000	DEGR-F	.310000-01	00	06	060	011	012	014573
560	001	001	DUCT MID TL(H-2) OUT	.400000+03	.000000	DEGR-F	.310000-01	00	06	061	012	012	014573
561	001	001	BEND TL(F-3) OUT	.400000+03	.000000	DEGR-F	.310000-01	00	06	062	001	012	014573
562	001	001	BEND TL(F-3) IN	.300000+03	.000000	DEGR-F	.310000-01	00	06	063	002	012	014573
563	001	001	NOZ UPS TL(I-1) TOP	.400000+03	.000000	DEGR-F	.310000-01	00	06	064	003	003	014573
564	001	001	NOZ UPS TL(I-1) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	065	002	003	014573
565	001	001	NOZ DWN TL(I-1) TOP	.300000+03	.000000	DEGR-F	.310000-01	00	06	067	003	012	014573
566	001	001	NOZ DWN TL(I-1) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	070	004	012	014573
567	001	001	HIGH FLUX OUT (E-3)	.350000+03	.000000	DEGR-F	.310000-01	00	06	071	006	012	014573
568	001	001	Y RIGHT TR(E-1) TOP	.300000+03	.000000	DEGR-F	.310000-01	00	06	072	007	012	014573
569	001	001	Y RIGHT TR(E-1) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	073	010	012	014573
570	001	001	DUCT UPS TR(E-4)	.400000+03	.000000	DEGR-F	.310000-01	00	06	074	003	003	014573
571	001	001	DUCT DWN TR(E-4)	.300000+03	.000000	DEGR-F	.310000-01	00	06	075	001	003	014573
572	001	001	DUCT MID TR(E-5) TOP	.400000+03	.000000	DEGR-F	.310000-01	00	06	076	002	003	014573
573	001	001	DUCT MID TR(E-5) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	077	003	003	014573
574	001	001	BEND TR(F-1) INS	.300000+03	.000000	DEGR-F	.310000-01	00	06	100	011	012	014573
575	001	001	CNTRL PAD UPS TR(E-1)	.400000+03	.000000	DEGR-F	.310000-01	00	06	101	001	003	014573
576	001	001	CNTRL PAD DWN TR(F-1)	.400000+03	.000000	DEGR-F	.310000-01	00	06	102	002	003	014573
577	001	001	DUCT MID TR(F-2) IN	.300000+03	.000000	DEGR-F	.310000-01	00	06	103	012	012	014573
578	001	001	DUCT MID TR(F-2) OUT	.400000+03	.000000	DEGR-F	.310000-01	00	06	104	001	012	014573
579	001	001	BEND TR(H-3) OUT	.400000+03	.000000	DEGR-F	.310000-01	00	06	105	002	012	014573
580	001	001	BEND TR(H-3) INS	.300000+03	.000000	DEGR-F	.310000-01	00	06	106	003	012	014573
581	001	001	NOZ UPS TR(G-1) TOP	.400000+03	.000000	DEGR-F	.310000-01	00	06	107	003	003	014573
582	001	001	NOZ UPS TR(G-1) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	110	001	003	014573
583	001	001	NOZ DWN TR(G-1) TOP	.300000+03	.000000	DEGR-F	.310000-01	00	06	111	005	012	014573
584	001	001	NOZ DWN TR(G-1) BOT	.400000+03	.000000	DEGR-F	.310000-01	00	06	112	004	012	014573
585	001	001	HIGH FLUX OUT (E-5)	.350000+03	.000000	DEGR-F	.310000-01	00	06	113	005	012	014573
586	001	001	BELLOWS T(D-4) TOP -1	.400000+03	.000000	DEGR-F	.310000-01	00	06	114	006	012	014573
587	001	001	BELLOWS T(D-4) TOP -2	.400000+03	.000000	DEGR-F	.310000-01	00	06	115	007	012	014573
588	001	001	BELLOWS T(D-4) TOP -3	.400000+03	.000000	DEGR-F	.310000-01	00	06	116	010	012	014573
589	001	001	BELLOWS T(D-4) TOP -4	.400000+03	.000000	DEGR-F	.310000-01	00	06	117	011	012	014573
590	001	001	BELLOWS T(D-4) BOT -1	.400000+03	.000000	DEGR-F	.310000-01	00	06	120	012	012	014573
591	001	001	BELLOWS T(D-4) BOT -2	.400000+03	.000000	DEGR-F	.310000-01	00	06	121	001	012	014573
592	001	001	BELLOWS T(D-4) BOT -3	.400000+03	.000000	DEGR-F	.310000-01	00	06	122	002	012	014573
593	001	001	BELLOWS T(D-4) BOT -4	.400000+03	.000000	DEGR-F	.310000-01	00	06	123	003	012	014573
594	001	004	T BOILER P	.100000+02	.000000	TORR-A	.500000+01	00	01	134	002	003	007061
595	001	004	T DUCT INLT P -1	.100000+02	.000000	TORR-A	.250000+01	00	01	141	001	001	005162
596	001	004	T DUCT INLT P -2	.100000+02	.000000	TORR-A	.250000+01	00	01	142	001	001	005262
597	001	004	T 6 IN DUCT DELT P -1	.100000+01	.000000	TORR-D	.500000+01	00	01	152	001	001	005361
598	001	004	T 6 IN DUCT DELT P -2	.100000+01	.000000	TORR-D	.500000+01	00	01	150	001	001	005461
599	001	004	T 6 IN DUCT OUT P	.100000+02	.000000	TORR-A	.250000+01	00	01	143	001	001	005562
600	001	004	T Y DELT P -L	.100000+01	.000000	TORR-D	.500000+01	00	01	151	001	001	005661
601	001	004	T Y DELT P -R	.100000+01	.000000	TORR-D	.500000+01	00	01	153	001	001	005761
602	001	004	TL 4 IN DUCT INLT P	.100000+02	.000000	TORR-A	.500000+01	00	01	144	001	001	006061
603	001	004	TL 4 IN DUCT DELT P	.100000+01	.000000	TORR-D	.500000+01	00	01	154	001	001	006161

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
604	001	004	TL NOZ INLT P	.100000+02	.000000	TORR-A	.500000+01	00	01	132	003	003	006261
605	001	004	TR 4 IN DUCT INLT P	.100000+02	.000000	TORR-A	.500000+01	00	01	145	001	001	006361
606	001	004	TR 4 IN DUCT DELT P	.100000+01	.000000	TORR-D	.500000+01	00	01	155	001	001	006461
607	001	004	TR NOZ INLT P	.100000+02	.000000	TORR-A	.500000+01	00	01	133	001	003	006561
608	001	004	T NOZ TO NOZ DELT P	.100000+00	.000000	TORR-D	.500000+01	00	01	156	001	001	006661
609	001	001	T EVAP V/P 0 DEG -1	.150000+03	.000000	DEGR-F	.310000-01	00	06	151	004	012	014774
610	001	001	T EVAP V/P 0 DEG -2	.150000+03	.000000	DEGR-F	.310000-01	00	06	152	005	012	014774
611	001	001	T EVAP V/P 120 DEG -1	.150000+03	.000000	DEGR-F	.310000-01	00	06	153	006	012	014774
612	001	001	T EVAP V/P 120 DEG -2	.150000+03	.000000	DEGR-F	.310000-01	00	06	154	007	012	014774
613	001	001	T EVAP V/P 240 DEG -1	.150000+03	.000000	DEGR-F	.310000-01	00	06	155	010	012	014774
614	001	001	T EVAP V/P 240 DEG -2	.150000+03	.000000	DEGR-F	.310000-01	00	06	156	011	012	014774
615	001	001	T EVAP CORE 0 DEG -1	.150000+03	.000000	DEGR-F	.310000-01	00	06	157	012	012	014774
616	001	001	T EVAP CORE 0 DEG -2	.150000+03	.000000	DEGR-F	.310000-01	00	06	160	001	012	014774
617	001	001	T EVAP CORE 0 DEG -3	.150000+03	.000000	DEGR-F	.310000-01	00	06	161	002	012	014774
618	001	001	T EVAP CORE 0 DEG -4	.150000+03	.000000	DEGR-F	.310000-01	00	06	162	003	012	014774
619	001	001	T EVAP CORE 0 DEG -5	.150000+03	.000000	DEGR-F	.310000-01	00	06	163	004	012	014774
620	001	001	T EVAP CORE 120 DEG -1	.150000+03	.000000	DEGR-F	.310000-01	00	06	164	005	012	014774
621	001	001	T EVAP CORE 120 DEG -2	.150000+03	.000000	DEGR-F	.310000-01	00	06	165	006	012	014774
622	001	001	T EVAP CORE 120 DEG -3	.150000+03	.000000	DEGR-F	.310000-01	00	06	166	007	012	014774
623	001	001	T EVAP CORE 120 DEG -4	.150000+03	.000000	DEGR-F	.310000-01	00	06	167	010	012	014774
624	001	001	T EVAP CORE 120 DEG -5	.150000+03	.000000	DEGR-F	.310000-01	00	06	170	011	012	014774
625	001	001	T EVAP CORE 240 DEG -1	.150000+03	.000000	DEGR-F	.310000-01	00	06	171	012	012	014774
626	001	001	T EVAP CORE 240 DEG -2	.150000+03	.000000	DEGR-F	.310000-01	00	06	172	001	012	014774
627	001	001	T EVAP CORE 240 DEG -3	.150000+03	.000000	DEGR-F	.310000-01	00	06	173	002	012	014774
628	001	001	T EVAP CORE 240 DEG -4	.150000+03	.000000	DEGR-F	.310000-01	00	06	174	003	012	014774
629	001	001	T EVAP CORE 240 DEG -5	.150000+03	.000000	DEGR-F	.310000-01	00	06	175	004	012	014774
630	001	001	T EVAP BOT 0 DEG	.150000+03	.000000	DEGR-F	.310000-01	00	06	176	005	012	014774
631	001	001	T EVAP BOT 120 DEG	.150000+03	.000000	DEGR-F	.310000-01	00	06	177	006	012	014774
632	001	001	T EVAP BOT 240 DEG	.150000+03	.000000	DEGR-F	.310000-01	00	07	000	007	012	014774
633	001	001	FES SUPT MOUNT #1	.200000+03	-.200000+03	DEGR-F	.210000-01	00	07	001	036	036	015174
634	001	001	FES SUPT MOUNT #1	.200000+03	-.200000+03	DEGR-F	.210000-01	00	07	002	010	036	015174
635	001	001	FES SUPT MOUNT #2	.200000+03	-.200000+03	DEGR-F	.210000-01	00	07	003	011	036	015174
636	001	001	FES SUPT MOUNT #2	.200000+03	-.200000+03	DEGR-F	.210000-01	00	07	004	022	036	015174
637	001	001	FES SUPT MOUNT #3	.200000+03	-.200000+03	DEGR-F	.210000-01	00	07	005	024	036	015174
638	001	001	FES SUPT MOUNT #3	.200000+03	-.200000+03	DEGR-F	.210000-01	00	07	006	032	036	015174
639	001	001	FES SUPT MOUNT #4	.200000+03	-.200000+03	DEGR-F	.210000-01	00	07	007	035	036	015174
640	001	001	FES SUPT MOUNT #4	.200000+03	-.200000+03	DEGR-F	.210000-01	00	07	010	036	036	015174
641	001	002	HTR AMPS T (D) PRI I1	.100000+02	.000000	AMPS	.250000+01	00	02	072	010	012	004362
642	001	002	HTR AMPS T (D) PRI I2	.100000+02	.000000	AMPS	.250000+01	00	02	073	011	012	004362
643	001	002	HTR AMPS T (D) SEC I1	.100000+02	.000000	AMPS	.250000+01	00	02	074	012	012	004362
644	001	002	HTR AMPS T (D) SEC I2	.100000+02	.000000	AMPS	.250000+01	00	02	075	001	012	004362
645	001	002	HTR AMPS T(D-1) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	076	002	003	004362
646	001	002	HTR AMPS T(D-1) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	077	003	003	004362
647	001	002	HTR AMPS T(D-2) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	100	001	003	004362
648	001	002	HTR AMPS T(D-2) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	101	002	003	004362
649	001	002	HTR AMPS T(D-3) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	102	003	003	004362
650	001	002	HTR AMPS T(D-3) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	103	001	003	004362
651	001	002	HTR AMPS T(D-4) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	104	002	003	004362
652	001	002	HTR AMPS T(D-4) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	105	003	003	004362
653	001	002	HTR AMPS T (E) PRI I1	.100000+02	.000000	AMPS	.250000+01	00	02	106	002	012	004362

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
654	001	002	HTR AMPS T (E) PRI I2	.100000+02	.000000	AMPS	.250000+01	00	02	107	003	012	004362
655	001	002	HTR AMPS T (E) PRI I3	.100000+02	.000000	AMPS	.250000+01	00	02	110	004	012	004362
656	001	002	HTR AMPS T (E) SEC I1	.100000+02	.000000	AMPS	.250000+01	00	02	111	006	012	004362
657	001	002	HTR AMPS T (E) SEC I2	.100000+02	.000000	AMPS	.250000+01	00	02	112	007	012	004362
658	001	002	HTR AMPS T (E) SEC I3	.100000+02	.000000	AMPS	.250000+01	00	02	113	001	012	004362
659	001	002	HTR AMPS T(E-1) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	114	001	003	004362
660	001	002	HTR AMPS T(E-1) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	115	002	003	004362
661	001	002	HTR AMPS T(E-1) TER I3	.100000+02	.000000	AMPS	.250000+01	00	02	116	003	003	004362
662	001	002	HTR AMP TL(E-2) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	117	001	003	004362
663	001	002	HTR AMP TL(E-2) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	120	002	003	004362
664	001	002	HTR AMP TL(E-2) TER I3	.100000+02	.000000	AMPS	.250000+01	00	02	121	003	003	004362
665	001	002	HTR AMP TL(E-3) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	122	001	003	004362
666	001	002	HTR AMP TL(E-3) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	123	002	003	004362
667	001	002	HTR AMP TL(E-3) TER I3	.100000+02	.000000	AMPS	.250000+01	00	02	124	003	003	004362
668	001	002	HTR AMP TR(E-4) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	125	001	003	004362
669	001	002	HTR AMP TR(E-4) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	126	002	003	004362
670	001	002	HTR AMP TR(E-4) TER I3	.100000+02	.000000	AMPS	.250000+01	00	02	127	003	003	004362
671	001	002	HTR AMP TR(E-5) TER I1	.100000+02	.000000	AMPS	.250000+01	00	02	130	001	003	004362
672	001	002	HTR AMP TR(E-5) TER I2	.100000+02	.000000	AMPS	.250000+01	00	02	131	002	003	004362
673	001	002	HTR AMP TR(E-5) TER I3	.100000+02	.000000	AMPS	.250000+01	00	02	132	003	003	004362
674	001	002	HTR AMPS TR (F) PRI	.600000+01	.000000	AMPS	.250000+01	00	02	040	001	003	007562
675	001	002	HTR AMPS TR (F) SEC	.600000+01	.000000	AMPS	.250000+01	00	02	041	005	012	007562
676	001	002	HTR AMPS TR (G) PRI	.600000+01	.000000	AMPS	.250000+01	00	02	042	002	003	007562
677	001	002	HTR AMPS TR (G) SEC	.600000+01	.000000	AMPS	.250000+01	00	02	043	002	012	007562
678	001	002	HTR AMPS TL (H) PRI	.600000+01	.000000	AMPS	.250000+01	00	02	044	003	012	007562
679	001	002	HTR AMPS TL (H) SEC	.600000+01	.000000	AMPS	.250000+01	00	02	045	003	003	007562
680	001	002	HTR AMPS TL (I) PRI	.600000+01	.000000	AMPS	.250000+01	00	02	046	001	003	007562
681	001	002	HTR AMPS TL (I) SEC	.600000+01	.000000	AMPS	.250000+01	00	02	047	010	012	007562
682	001	002	HTR AMPS TL (D) PRI	.320000+02	.000000	VOLTS	.250000+01	00	03	052	011	012	010162
683	001	002	HTR VOLTS T (D) SEC	.320000+02	.000000	VOLTS	.250000+01	00	03	053	012	012	010062
684	001	002	HTR VOLTS T (D-1) TER	.150000+02	.000000	VOLTS	.250000+01	00	03	054	002	003	011262
685	001	002	HTR VOLTS T (D-2) TER	.150000+02	.000000	VOLTS	.250000+01	00	03	055	003	003	011062
686	001	002	HTR VOLTS T (D-3) TER	.150000+02	.000000	VOLTS	.250000+01	00	03	056	001	003	011162
687	001	002	HTR VOLTS T (D-4) TER	.150000+02	.000000	VOLTS	.250000+01	00	03	057	002	003	010762
688	001	002	HTR VOLTS T (E) PRI	.320000+02	.000000	VOLTS	.250000+01	00	03	060	004	012	010362
689	001	002	HTR VOLTS T (E) SEC	.320000+02	.000000	VOLTS	.250000+01	00	03	061	006	012	010662
690	001	002	HTR VOLTS T (E-1) TER	.150000+02	.000000	VOLTS	.250000+01	00	03	062	003	003	011062
691	001	002	HTR VOLTS TL (E-2) TER	.500000+01	.000000	VOLTS	.250000+01	00	03	063	001	003	011362
692	001	002	HTR VOLTS TL (E-3) TER	.150000+02	.000000	VOLTS	.250000+01	00	03	064	002	003	011162
693	001	002	HTR VOLTS TR (E-4) TER	.500000+01	.000000	VOLTS	.250000+01	00	03	065	003	003	011362
694	001	002	HTR VOLTS TR (E-5) TER	.150000+02	.000000	VOLTS	.250000+01	00	03	066	001	003	011162
695	001	002	HTR VOLTS TR (F) PRI	.320000+02	.000000	VOLTS	.250000+01	00	03	067	002	003	010162
696	001	002	HTR VOLTS TR (F) SEC	.320000+02	.000000	VOLTS	.250000+01	00	03	070	007	012	010462
697	001	002	HTR VOLTS TR (G) PRI	.320000+02	.000000	VOLTS	.250000+01	00	03	071	003	003	010162
698	001	002	HTR VOLTS TR (G) SEC	.320000+02	.000000	VOLTS	.250000+01	00	03	072	001	012	010562
699	001	002	HTR VOLTS TL(H) PRI	.320000+02	.000000	VOLTS	.250000+01	00	03	073	002	012	007762
700	001	002	HTR VOLTS TL(H) SEC	.320000+02	.000000	VOLTS	.250000+01	00	03	074	001	003	007662
701	001	002	HTR VOLTS TL(I) PRI	.320000+02	.000000	VOLTS	.250000+01	00	03	075	002	003	010162
702	001	002	HTR VOLTS TL(I) SEC	.320000+02	.000000	VOLTS	.250000+01	00	03	076	003	012	010362
703	001	002	T PRI F/W LINE -1	.150000+03	.000000	DEGR-F	.310000-01	00	07	011	003	003	014774

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
704	001	002	T PRI F/W LINE -2	.150000+03	.000000	DEGR-F	.310000-01	00	07	012	001	003	014774
705	001	002	T SEC F/W LINE -1	.150000+03	.000000	DEGR-F	.310000-01	00	07	013	002	003	014774
706	001	002	T SEC F/W LINE -2	.150000+03	.000000	DEGR-F	.310000-01	00	07	014	003	003	014774
707	001	002	H/L PRI F/W LINE -1	.150000+03	.000000	DEGR-F	.310000-01	00	07	015	001	003	014774
708	001	002	H/L PRI F/W LINE -2	.150000+03	.000000	DEGR-F	.310000-01	00	07	016	002	003	014774
709	001	002	H/L SEC F/W LINE -1	.150000+03	.000000	DEGR-F	.310000-01	00	07	017	003	003	014774
710	001	002	H/L SEC F/W LINE -2	.150000+03	.000000	DEGR-F	.310000-01	00	07	020	001	003	014774
711	001	002	H/L PRI F/W VLV	.150000+03	.000000	DEGR-F	.310000-01	00	07	021	005	036	014774
712	001	002	H/L SEC F/W VLV	.150000+03	.000000	DEGR-F	.310000-01	00	07	022	006	036	014774
713	001	002	T PRI F/W VLV	.150000+03	.000000	DEGR-F	.310000-01	00	07	023	010	036	014774
714	001	002	T SEC F/W VLV	.150000+03	.000000	DEGR-F	.310000-01	00	07	024	011	036	014774
715	001	002	F/W FLUID INLT PRI -1	.150000+03	.300000+02	DEGR-F	.320000+00	00	01	054	012	036	015767
716	001	002	F/W FLUID INLT SEC -1	.150000+03	.300000+02	DEGR-F	.320000+00	00	01	055	016	036	015767
717	001	002	F/W FLUID INLT PRI -2	.150000+03	.000000	DEGR-F	.400000+01	00	01	056	017	036	003662
718	001	002	F/W FLUID INLT SEC -2	.150000+03	.000000	DEGR-F	.400000+01	00	01	057	021	036	007162
719	001	001	F/W PRI INLT P -1	.400000+03	.000000	PSIA	.150000-01	00	03	104	002	003	004071
720	001	001	F/W PRI INLT P -2	.400000+03	.000000	PSIA	.150000-01	00	01	041	003	003	003771
721	001	001	F/W SEC INLT P -3	.400000+03	.000000	PSIA	.150000-01	00	01	042	001	003	004171
722	001	001	F/W SEC INLT P -4	.400000+03	.000000	PSIA	.150000-01	00	01	043	002	003	004271
723	001	001	F-21 MID PT SURF -1	.150000+03	.000000	DEGR-F	.310000-01	00	07	025	003	003	014774
724	001	001	F-21 MID PT SURF -2	.150000+03	.000000	DEGR-F	.310000-01	00	07	026	001	003	014774
725	001	002	F-21 MID PRI	.150000+03	.300000+02	DEGR-F	.500000+01	00	01	063	001	001	016262
726	001	002	F-21 MID SEC	.150000+03	.300000+02	DEGR-F	.500000+01	00	01	064	001	001	016362
727	001	002	F-21 PRI INLT	.150000+03	.300000+02	DEGR-F	.160000+00	00	01	046	001	001	016167
728	001	002	F-21 SEC INLT	.150000+03	.300000+02	DEGR-F	.160000+00	00	01	051	001	001	016167
729	001	002	F-21 PRI OUTLT	.150000+03	.300000+02	DEGR-F	.160000+00	00	01	047	001	001	015767
730	001	002	F-21 SEC OUTLT	.150000+03	.300000+02	DEGR-F	.160000+00	00	01	052	001	001	015767
731	001	002	F-21 PRI OUTL SURF T/C	.150000+03	.000000	DEGR-F	.310000-01	00	07	027	002	003	014774
732	001	002	F-21 SEC OUTL SURF T/C	.150000+03	.000000	DEGR-F	.310000-01	00	07	030	003	003	014774
733	001	002	F-21 PRI DELTA T	.120000+03	-.120000+03	DEGR-F	.160000+00	00	01	050	001	003	015767
734	001	002	F-21 SEC DELTA T	.120000+03	-.120000+03	DEGR-F	.160000+00	00	01	053	002	003	015767
735	001	002	F-21 PRI FLWMTR	.150000+03	.000000	DEGR-F	.500000-02	00	01	166	003	003	014674
736	001	002	F-21 SEC FLWMTR	.150000+03	.000000	DEGR-F	.500000-02	00	01	167	001	003	014674
737	001	002	F-21 TOT CART FLWMTR	.150000+03	.000000	DEGR-F	.500000-02	00	01	160	002	003	014674
738	001	002	F-21 OUT TEMP BLK -1	.150000+03	.000000	DEGR-F	.500000-02	00	07	034	003	003	014674
739	001	002	F-21 OUT TEMP BLK -2	.150000+03	.000000	DEGR-F	.500000-02	00	07	035	001	003	014674
740	001	002	F-21 PRI CART FLWMTR	.150000+03	.000000	DEGR-F	.500000-02	00	01	161	002	003	014674
741	001	002	F-21 SEC CART FLWMTR	.150000+03	.000000	DEGR-F	.500000-02	00	01	162	003	003	014674
742	001	002	F-21 FAST RAMP-PRI	.150000+03	.000000	DEGR-F	.500000-02	00	07	071	001	003	014674
743	001	002	F-21 FAST RAMP-SEC	.150000+03	.000000	DEGR-F	.500000-02	00	07	072	002	003	014674
744	001	001	F-21 PRI INLT	.500000+03	.000000	PSIA	.450000-01	00	01	044	003	003	003171
745	001	001	F-21 SEC INLET	.500000+03	.000000	PSIA	.450000-01	00	01	045	001	003	003171
746	001	001	F-21 PRI EVP DELTA	.250000+02	.000000	PSID	.250000+01	00	03	116	002	003	011462
747	001	001	F-21 SEC EVP DELTA	.250000+02	.000000	PSID	.250000+01	00	03	117	003	003	011562
748	001	001	F-21 PRI RETURN FLOW	.300000+04	.000000	LB/HR	.500000+01	00	01	120	001	003	011662
749	001	001	F-21 SEC RETURN FLOW	.300000+04	.000000	LB/HR	.500000+01	00	01	121	002	003	011762
750	001	001	F-21 TOT CART FLOW	.600000+04	.000000	LB/HR	.500000+01	00	01	122	003	003	012062
751	001	001	F-21 PRI CART FLOW	.300000+04	.000000	LB/HR	.500000+01	00	01	123	001	003	012162
752	001	001	F-21 SEC CART FLOW	.300000+04	.000000	LB/HR	.500000+01	00	01	131	002	003	012262
753	001	001	CH ENVR ZONE A-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	040	022	036	015473

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
754	001	001	CH ENVR ZONE A-2	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	041	029	036	015473
755	001	001	CH ENVR ZONE B-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	042	030	036	015473
756	001	001	CH ENVR ZONE C-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	043	031	036	015473
757	001	001	CH ENVR ZONE D-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	044	033	036	015473
758	001	001	CH ENVR ZONE D-2	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	045	034	036	015473
759	001	001	CH ENVR ZONE D-3	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	046	036	036	015473
760	001	001	CH ENVR ZONE D-4	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	047	003	036	015473
761	001	001	CH ENVR ZONE E-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	050	004	036	015473
762	001	001	CH ENVR ZONE E-2	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	051	006	036	015473
763	001	001	CH ENVR ZONE E-3	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	052	007	036	015473
764	001	001	CH ENVR ZONE E-4	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	053	011	036	015473
765	001	001	CH ENVR ZONE E-5	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	054	012	036	015473
766	001	001	CH ENVR ZONE F-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	055	014	036	015473
767	001	001	CH ENVR ZONE F-2	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	056	017	036	015473
768	001	001	CH ENVR ZONE F-3	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	057	020	036	015473
769	001	001	CH ENVR ZONE G-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	060	022	036	015473
770	001	001	CH ENVR ZONE H-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	061	023	036	015473
771	001	001	CH ENVR ZONE H-2	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	062	024	036	015473
772	001	001	CH ENVR ZONE H-3	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	063	025	036	015473
773	001	001	CH ENVR ZONE I-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	064	030	036	015473
774	001	001	CH ENVR ZONE H/L-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	065	031	036	015473
775	001	001	CH ENVR ZONE H/L-2	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	066	032	036	015473
776	001	001	CH ENVR ZONE TOPP-1	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	067	033	036	015473
777	001	001	CH ENVR ZONE TOPP-2	.200000+03	-.300000+03	DEGR-F	.150000-01	00	07	070	034	036	015473
778	001	001	F/W TANK 1(1)	.600000+02	.000000	PSIA	.500000+01	00	01	066	001	003	002562
779	001	001	F/W TANK 2(1)	.600000+02	.000000	PSIA	.500000+01	00	01	067	002	003	002562
780	001	001	F/W TANK 1(2)	.150000+03	.000000	PSIA	.500000+01	00	01	070	003	003	002462
781	001	001	F/W TANK 2(2)	.150000+03	.000000	PSIA	.500000+01	00	01	130	001	003	002462
782	001	002	F/W VLV FREQ	.500000+01	.000000	HERZ	.500000+01	00	01	065	001	001	001462
783	005	001	ROTATIONAL BOOM TEMP 1	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	120	002	017	015473
784	005	001	ROTATIONAL BOOM TEMP 2	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	121	003	017	015473
785	005	001	SENSOR PLATE TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	122	005	017	015473
786	005	001	ION GAGE TUBE TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	123	006	017	015473
787	005	001	BARATRON SENSOR TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	124	010	017	015473
788	005	001	MASS SPECTRO ELECTRNC	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	125	011	017	015473
789	005	001	MASS SPECTRO TUBULTN	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	126	013	017	015473
790	005	001	RPMS QCM ELECTRONICS	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	127	014	017	015473
791	005	001	RPMS QCM CRYSTAL TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	130	016	017	015473
792	005	001	RPMS QCM CAP TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	131	017	017	015473
793	005	010	RPMS ION GAGE PRESS	.000000	.000000	EVENT	.000000	01	00	003	001	003	000001
794	005	010	RPMS BARATRON PRESS W1	.000000	.000000	EVENT	.000000	01	00	004	002	003	000001
795	005	010	RPMS BARATRON PRESS W2	.000000	.000000	EVENT	.000000	01	00	005	003	003	000001
796	005	001	RPFM ROTATION ANGLE	.180000+03	-.180000+03	DEG/RT	.125000+01	00	04	037	001	005	002763
797	005	001	QCM #1 CAP TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	072	002	005	015473
798	005	001	QCM #1 ELECTRNCS TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	073	003	005	015473
799	005	001	HEAT EXCHANGER 1 INLET	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	074	004	005	015473
800	005	001	HEAT EXCHANGER 1 OUTLT	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	075	005	005	015473
801	005	010	ION GAGE #1 PRESSURE	.000000	.000000	EVENT	.000000	01	00	000	001	005	000001
802	005	001	QCM #2 CAP TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	076	002	005	015473
803	005	001	QCM #2 ELECTRNCS TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	077	003	005	015473

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
804	005	001	HEAT EXCHANGER 2 INLET	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	100	004	005	015473
805	005	001	HEAT EXCHANGER 2 OUTLT	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	101	005	005	015473
806	005	010	ION GAGE #2 PRESSURE	.000000	.000000	EVENT	.000000	01	00	001	001	005	000001
807	005	001	QCM #3 CAP TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	102	002	005	015473
808	005	001	QCM #3 ELECTRNCS TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	103	003	005	015473
809	005	001	HEAT EXCHANGER 3 INLET	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	104	004	005	015473
810	005	001	HEAT EXCHANGER 3 OUTLT	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	105	005	005	015473
811	005	001	QCM #4 CAP TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	106	001	005	015473
812	005	001	QCM #4 ELECTRNCS TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	107	002	005	015473
813	005	001	HEAT EXCHANGER 4 INLET	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	110	003	005	015473
814	005	001	HEAT EXCHANGER 4 OUTLT	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	111	004	005	015473
815	005	010	ION GAGE #3 PRESSURE	.000000	.000000	EVENT	.000000	01	00	002	005	005	000001
816	005	001	QCM #5 CAP TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	112	001	005	015473
817	005	001	QCM #5 ELECTRNCS TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	113	002	005	015473
818	005	001	HEAT EXCHANGER 5 INLET	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	114	003	005	015473
819	005	001	HEAT EXCHANGER 5 OUTLT	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	115	004	005	015473
820	005	001	QCM #6 CAP TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	116	005	005	015473
821	005	001	QCM #6 ELECTRNCS TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	117	001	005	015473
822	005	001	HEAT EXCHANGER 6 INLET	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	060	002	005	015473
823	005	001	HEAT EXCHANGER 6 OUTLT	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	061	003	005	015473
824	005	001	QCM #7 CAP TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	062	004	005	015473
825	005	001	QCM #7 ELECTRNCS TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	063	005	005	015473
826	005	001	HEAT EXCHANGER 7 INLET	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	064	001	005	015473
827	005	001	HEAT EXCHANGER 7 OUTLT	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	065	002	005	015473
828	005	001	QCM #8 CAP TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	066	003	005	015473
829	005	001	QCM #8 ELECTRNCS TEMP	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	067	004	005	015473
830	005	001	HEAT EXCHANGER 8 INLET	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	070	005	005	015473
831	005	001	HEAT EXCHANGER 8 OUTLT	.150000+03	-.300000+03	DEGR-F	.500000-02	00	05	071	001	005	015473
832	005	001	QCM #1 CRYSTAL TEMP	.100000+03	-.200000+03	DEGR-C	.125000+01	00	06	140	002	005	012463
833	005	001	QCM #2 CRYSTAL TEMP	.100000+03	-.200000+03	DEGR-C	.125000+01	00	07	104	003	005	012463
834	005	001	QCM #3 CRYSTAL TEMP	.100000+03	-.200000+03	DEGR-C	.125000+01	00	04	004	004	005	012463
835	005	001	QCM #4 CRYSTAL TEMP	.100000+03	-.200000+03	DEGR-C	.125000+01	00	04	040	005	005	012463
836	005	001	QCM #5 CRYSTAL TEMP	.100000+03	-.200000+03	DEGR-C	.125000+01	00	03	150	001	005	012463
837	005	001	QCM #6 CRYSTAL TEMP	.100000+03	-.200000+03	DEGR-C	.125000+01	00	05	132	002	005	012463
838	005	001	QCM #7 CRYSTAL TEMP	.100000+03	-.200000+03	DEGR-C	.125000+01	00	04	146	003	005	012463
839	005	001	QCM #8 CRYSTAL TEMP	.100000+03	-.200000+03	DEGR-C	.125000+01	00	05	064	004	005	012463
840	005	001	MASS SPECTRO PRESS	.100000+02	.000000	VOLTS	.250000+01	00	06	000	005	005	012361
841	006	000	PRI INTERFACE 122-124	.200000+03	.000000	DEGR-F	.310000-01	00	07	124	001	003	014774
842	006	000	PRIMARY OUTLET	.200000+03	.000000	DEGR-F	.310000-01	00	07	125	001	005	014774
843	006	000	HEAT EXCHANGER IN	.200000+03	.000000	DEGR-F	.310000-01	00	07	126	002	005	014774
844	006	000	PRIMARY MIDDLE	.200000+03	.000000	DEGR-F	.310000-01	00	07	127	003	005	014774
845	006	000	PRIMARY SUPPLY IN	.200000+03	.000000	DEGR-F	.310000-01	00	07	130	004	005	014774
846	006	000	PRIMARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	131	005	005	014774
847	006	000	PRIMARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	132	001	005	014774
848	006	000	PRIMARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	133	002	005	014774
849	006	000	PRIMARY SUPPLY 121	.200000+03	.000000	DEGR-F	.310000-01	00	07	134	002	003	014774
850	006	000	PRIMARY SUPPLY CTL 120	.200000+03	.000000	DEGR-F	.310000-01	00	07	135	003	003	014774
851	006	000	PRIMARY SUPPLY 119	.200000+03	.000000	DEGR-F	.310000-01	00	07	136	001	003	014774
852	006	000	PRIMARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	137	003	005	014774
853	006	000	PRIMARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	140	004	005	014774

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
854	006	000	HEATER IN	.200000+03	.000000	DEGR-F	.310000-01	00	01	012	005	005	014774
855	006	000	COOLER IN	.200000+03	.000000	DEGR-F	.310000-01	00	01	011	002	003	014774
856	006	000	LN2 IN	.200000+03	.000000	DEGR-F	.310000-01	00	01	010	001	005	014774
857	006	000	COOLER OUT	.200000+03	.000000	DEGR-F	.310000-01	00	01	007	002	005	014774
858	006	000	CHAMBER IN	.200000+03	.000000	DEGR-F	.310000-01	00	01	006	003	005	014774
859	006	000	CHAMBER IN	.200000+03	.000000	DEGR-F	.310000-01	00	01	005	004	005	014774
860	006	000	HEAT EXCHANGER OUT	.200000+03	.000000	DEGR-F	.310000-01	00	07	141	005	005	014774
861	006	000	RETURN	.200000+03	.000000	DEGR-F	.310000-01	00	01	014	001	005	014774
862	006	000	SEC INTFCE 105&125&126	.200000+03	.000000	DEGR-F	.310000-01	00	07	142	003	003	014774
863	006	000	SECONDARY OUT	.200000+03	.000000	DEGR-F	.310000-01	00	07	143	002	005	014774
864	006	000	HEAT EXCHANGER IN	.200000+03	.000000	DEGR-F	.310000-01	00	07	144	003	005	014774
865	006	000	SECONDARY MIDDLE	.200000+03	.000000	DEGR-F	.310000-01	00	07	145	004	005	014774
866	006	000	SECONDARY SUPPLY IN	.200000+03	.000000	DEGR-F	.310000-01	00	07	146	005	005	014774
867	006	000	SECONDARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	147	001	005	014774
868	006	000	SECONDARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	150	002	005	014774
869	006	000	SECONDARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	151	003	005	014774
870	006	000	SECONDARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	152	004	005	014774
871	006	000	SECONDARY SUPPLY CNTRL	.200000+03	.000000	DEGR-F	.310000-01	00	07	153	005	005	014774
872	006	000	SECONDARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	154	001	005	014774
873	006	000	SECONDARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	155	002	005	014774
874	006	000	SECONDARY SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	07	156	003	005	014774
875	006	000	HEAT EXCHANGE OUT	.200000+03	.000000	DEGR-F	.310000-01	00	07	157	004	005	014774
876	006	000	WATER SUPPLY	.200000+03	.000000	DEGR-F	.310000-01	00	01	013	005	005	014774
877	006	000	TOP OF ACCUMULTRS 106	.200000+03	.000000	DEGR-F	.310000-01	00	07	031	001	003	014774
878	006	000	BOT OF ACCUMULTRS 118	.200000+03	.000000	DEGR-F	.310000-01	00	07	032	002	003	014774
879	006	000	BOT OF ACCUMULTRS 127	.200000+03	.000000	DEGR-F	.310000-01	00	07	033	003	003	014774
880	006	000	BOT OF ACCUMRS 107&116	.200000+03	.000000	DEGR-F	.310000-01	00	07	036	001	003	014774
881	006	000	BOT OF ACCUMULTRS 117	.200000+03	.000000	DEGR-F	.310000-01	00	07	037	002	003	014774
882	006	000	ELEVON SIMULATOR 111	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	161	003	003	015473
883	006	000	ELEVON SIMULATOR 110	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	162	001	003	015473
884	006	000	ELEVON SIMULATOR 109	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	163	002	003	015473
885	006	000	ELEVON SIMULATOR 108	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	164	003	003	015473
886	006	000	ELEVON SIMULATOR 104	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	165	001	003	015473
887	006	000	ELEVON SIMULATOR 103	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	166	002	003	015473
888	006	000	FUSELAGE SIMULATOR 102	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	167	003	003	015473
889	006	000	FUSELAGE SIMULATOR 101	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	170	001	003	015473
890	006	000	FUSELAGE SIMULATOR 100	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	171	002	003	015473
891	006	000	FUSELAGE SIMULATOR 099	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	172	003	003	015473
892	006	000	FUSELAGE SIMULATOR 098	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	173	001	003	015473
893	006	000	FUSELAGE SIMULATOR 097	.300000+03	-.300000+03	DEGR-F	.150000-01	00	07	174	002	003	015473
894	006	000	REFLECTOR PLATE 095	.300000+03	-.300000+03	DEGR-F	.150000-01	00	04	035	003	003	015473
895	006	000	REFLECTOR PLATE 096	.300000+03	-.300000+03	DEGR-F	.150000-01	00	04	036	001	003	015473
896	006	000	SUPPORT STAND 7	.100000+03	-.300000+03	DEGR-F	.400000-01	00	04	003	001	005	015473
897	006	000	SUPPORT STAND 1	.100000+03	-.300000+03	DEGR-F	.400000-01	00	07	175	002	005	015473
898	006	000	SUPPORT STAND 2	.100000+03	-.300000+03	DEGR-F	.400000-01	00	07	176	003	005	015473
899	006	000	SUPPORT STAND 3	.100000+03	-.300000+03	DEGR-F	.400000-01	00	07	177	004	005	015473
900	006	000	SUPPORT STAND 4	.100000+03	-.300000+03	DEGR-F	.400000-01	00	04	000	005	005	015473
901	006	000	SUPPORT STAND 5	.100000+03	-.300000+03	DEGR-F	.400000-01	00	04	001	001	005	015473
902	006	000	SUPPORT STAND 6	.100000+03	-.300000+03	DEGR-F	.400000-01	00	04	002	002	005	015473
903	006	000	IRP 5 PUMP OUT TEMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	020	003	005	015473

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
904	006	000	IRP 5 COLD HX IN TEMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	021	004	005	015473
905	006	000	IRP 5 COLD HX OUT TMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	022	005	005	015473
906	006	000	IRP 5 HOT HX OUT TEMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	023	002	003	015473
907	006	000	IRP 6 PUMP OUT TEMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	024	001	005	015473
908	006	000	IRP 6 COLD HX IN TEMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	025	002	005	015473
909	006	000	IRP 6 COLD HX OUT TMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	026	003	005	015473
910	006	000	IRP 6 HOT HX OUT TEMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	027	003	003	015473
911	006	000	IRP 7 PUMP OUT TEMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	030	004	005	015473
912	006	000	IRP 7 COLD HX IN TEMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	031	005	005	015473
913	006	000	IRP 7 COLD HX OUT TMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	032	001	005	015473
914	006	000	IRP 7 HOT HX OUT TEMP	.200000+03	-.300000+03	DEGR-F	.400000-01	00	01	033	001	003	015473
915	006	001	FW WALL HTR XCHNGR 119	.100000+02	-.100000+02	AMPS	.250000+01	00	02	134	002	003	016462
916	006	001	FW WALL HTR XCHNGR 120	.100000+02	-.100000+02	AMPS	.250000+01	00	02	001	003	003	016462
917	006	001	FW WALL HTR XCHNGR 121	.100000+02	-.100000+02	AMPS	.250000+01	00	02	002	001	003	016462
918	006	001	PRI HT XCH TO FES 122	.100000+02	-.100000+02	AMPS	.250000+01	00	02	003	002	003	016462
919	006	001	PRI HT XCH TO FES 123	.100000+02	-.100000+02	AMPS	.250000+01	00	02	004	003	003	016462
920	006	001	PRI HT XCH TO FES 124	.100000+02	-.100000+02	AMPS	.250000+01	00	02	005	001	003	016462
921	006	001	SEC HT XCH TO FES 125	.100000+02	-.100000+02	AMPS	.250000+01	00	02	006	002	003	016462
922	006	001	SEC HT XCH TO FES 126	.100000+02	-.100000+02	AMPS	.250000+01	00	02	007	003	003	016462
923	006	001	SEC HT XCH TO FES 105	.100000+02	-.100000+02	AMPS	.250000+01	00	02	010	001	003	016462
924	006	001	TOP OF ACCUMULTRS 106	.100000+02	-.100000+02	AMPS	.250000+01	00	02	011	002	003	016462
925	006	001	TOP OF ACCUMULTRS 107	.100000+02	-.100000+02	AMPS	.250000+01	00	02	012	003	003	016462
926	006	001	TOP OF ACCUMULTRS 116	.100000+02	-.100000+02	AMPS	.250000+01	00	02	013	001	003	016462
927	006	001	BOT OF ACCUMULTRS 117	.100000+02	-.100000+02	AMPS	.250000+01	00	02	014	002	003	016462
928	006	001	BOT OF ACCUMULTRS 118	.100000+02	-.100000+02	AMPS	.250000+01	00	02	015	003	003	016462
929	006	001	BOT OF ACCUMULTRS 127	.100000+02	-.100000+02	AMPS	.250000+01	00	02	016	001	003	016462
930	006	001	ELEVON SIMULATOR 111	.100000+02	-.100000+02	AMPS	.250000+01	00	02	017	002	003	016462
931	006	001	ELEVON SIMULATOR 110	.100000+02	-.100000+02	AMPS	.250000+01	00	02	020	003	003	016462
932	006	001	ELEVON SIMULATOR 109	.100000+02	-.100000+02	AMPS	.250000+01	00	02	021	001	003	016462
933	006	001	ELEVON SIMULATOR 108	.100000+02	-.100000+02	AMPS	.250000+01	00	02	022	002	003	016462
934	006	001	ELEVON SIMULATOR 104	.100000+02	-.100000+02	AMPS	.250000+01	00	02	023	003	003	016462
935	006	001	ELEVON SIMULATOR 103	.100000+02	-.100000+02	AMPS	.250000+01	00	02	024	001	003	016462
936	006	001	FUSELAGE SIMULATOR 102	.100000+02	-.100000+02	AMPS	.250000+01	00	02	025	002	003	016462
937	006	001	FUSELAGE SIMULATOR 101	.100000+02	-.100000+02	AMPS	.250000+01	00	02	026	003	003	016462
938	006	001	FUSELAGE SIMULATOR 100	.100000+02	-.100000+02	AMPS	.250000+01	00	02	027	001	003	016462
939	006	001	FUSELAGE SIMULATOR 099	.100000+02	-.100000+02	AMPS	.250000+01	00	02	030	002	003	016462
940	006	001	FUSELAGE SIMULATOR 098	.100000+02	-.100000+02	AMPS	.250000+01	00	02	031	003	003	016462
941	006	001	FUSELAGE SIMULATOR 097	.100000+02	-.100000+02	AMPS	.250000+01	00	02	032	001	003	016462
942	006	001	REFLECTOR PLATE 095	.600000+01	-.600000+01	AMPS	.250000+01	00	02	033	002	003	016562
943	006	001	REFLECTOR PLATE 096	.600000+01	-.600000+01	AMPS	.250000+01	00	02	034	003	003	016562
944	016	010	CHAMBER A BARA INPUT 1	.000000	.000000	EVENT	.000000	01	00	010	001	001	000001
945	016	010	CHAMBER A BARA INPUT 2	.000000	.000000	EVENT	.000000	01	00	011	001	001	000001
946	016	001	CHMB A ALPHATRON ANA	.000000	.000000	UNITS	.400000+01	00	01	034	001	001	007205
947	016	000	CHMB A ALPHATRON RNG	.000000	.000000	UNITS	.500000+02	00	01	035	001	001	007302
948	016	001	CHMB A ION GAGE ANALOG	.000000	.000000	UNITS	.400000+01	00	01	036	001	003	007205
949	016	000	CHMB A ION GAGE RANGE	.000000	.000000	UNITS	.500000+02	00	01	037	002	003	007302
1024	001	001	AVG H(A-2) CNTRL	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1025	001	001	AVG H(A-1)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1026	001	001	AVG H(A-2)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1027	001	001	AVG H(B-1)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
1028	001	001	AVG H(C-1) NOZ	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1029	001	001	HTR H(A) PRI	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1030	001	001	HTR H(A) SEC	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1031	001	001	HTR H(A-1) TER	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1032	001	001	HTR H(A-2) TER	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1033	001	001	HTR H(B) PRI	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1034	001	001	HTR H(B) SEC	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1035	001	001	HTR H(B) TER	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1036	001	001	HTR H(C) PRI	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1037	001	001	HTR H(C) SEC	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1038	001	001	HTR H(C) TER	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1039	001	001	HTR H(A) PRI	.100000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1040	001	001	HTR H(A) SEC	.100000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1041	001	001	HTR H(A-1) TER	.100000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1042	001	001	HTR H(A-2) TER	.100000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1043	001	001	HTR H(B) PRI	.100000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1044	001	001	HTR H(B) SEC	.100000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1045	001	001	HTR H(B) TER	.100000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1046	001	001	HTR H(C) PRI	.100000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1047	001	001	HTR H(C) SEC	.100000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1048	001	001	HTR H(C) TER	.100000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1049	001	001	HTR H/L TOT POWER	.200000+05	.000000	W-HR	.000000	00	00	000	000	001	000061
1050	001	001	AVG H/L DUCT POWER	.200000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1051	001	004	H/L DUCT INTG INLT P	.100000+03	.000000	T-HRS	.000000	00	00	000	000	001	000061
1052	001	004	AVG H/L DUCT INLT P	.100000+02	.000000	TORR	.000000	00	00	000	000	001	000061
1053	001	004	H/L DUCT/CH DELT P	.100000+02	.000000	TORR	.000000	00	00	000	000	001	000061
1054	001	004	H/L DUCT DELT P	.100000+02	.000000	TORR	.000000	00	00	000	000	001	000061
1055	001	001	H/L EVP SINK TEMP	.100000+03	-.500000+02	DEGR-F	.000000	00	00	000	000	001	000061
1056	001	001	H/L EVP INTG SK T	.100000+04	-.500000+03	F-HRS	.000000	00	00	000	000	001	000061
1057	001	001	AVG H/L EVP SINK T	.100000+03	-.500000+02	DEGR-F	.000000	00	00	000	000	001	000061
1058	001	001	AVG T (D) CNTRL	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1059	001	001	AVG T (D-1)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1060	001	001	AVG T (D-2)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1061	001	001	AVG T (D-3)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1062	001	001	AVG T (D-4)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1063	001	001	AVG T (E)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1064	001	001	AVG T (E-1)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1065	001	001	AVG T (E-2)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1066	001	001	AVG TL (E-3)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1067	001	001	AVG TR (E-4)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1068	001	001	AVG TR (E-5)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1069	001	001	AVG TR (F)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1070	001	001	AVG TR (G)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1071	001	001	AVG TL (H)	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1072	001	001	AVG TL (I) CNTRL	.400000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1073	001	001	T DUCT AVG INLT P	.100000+02	.000000	TORR	.000000	00	00	000	000	001	000061
1074	001	001	T DUCT INTG AVG IN P	.100000+03	.000000	T-HRS	.000000	00	00	000	000	001	000061
1075	001	001	AVG T DUCT INLT P	.100000+02	.000000	TORR	.000000	00	00	000	000	001	000061
1076	001	001	TOPP EVAP, SINK TEMP	.100000+04	-.500000+02	DEGR-F	.000000	00	00	000	000	001	000061
1077	001	001	TOPP EVAP INTG SK T	.100000+04	-.500000+03	F-HRS	.000000	00	00	000	000	001	000061

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
1078	001	001	AVG TOPP EVP SINK T	.100000+03	-.500000+02	DEGR-F	.000000	00	00	000	000	001	000061
1079	001	001	TOPP DUCT/CH DELT P	.100000+02	.000000	TORR	.000000	00	00	000	000	001	000061
1080	001	004	H/L DUCT AVG INLET P	.100000+02	.000000	TORR	.000000	00	00	000	000	001	000061
1081	001	001	TL DUCT DELT P	.100000+02	.000000	TORR	.000000	00	00	000	000	001	000061
1082	001	001	TR DUCT DELT P	.100000+02	.000000	TORR	.000000	00	00	000	000	001	000061
1083	001	001	HTR T (D) PRI	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1084	001	001	HTR T (D) SEC	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1085	001	001	HTR T (D-1) TER	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1086	001	001	HTR T (D-2) TER	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1087	001	001	HTR T (D-3) TER	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1088	001	001	HTR T (D-4) TER	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1089	001	001	HTR T (E) PRI	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1090	001	001	HTR T (E) SEC	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1091	001	001	HTR T (E-1) TER	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1092	001	001	HTR TL(E-2) TER	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1093	001	001	HTR TL(E-3) TER	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1094	001	001	HTR TR(E-4) TER	.100000+04	.000000	WATT	.000000	00	00	000	000	001	000061
1095	001	001	HTR TR(E-5) TER	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1096	001	001	HTR TR(F) PRI	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1097	001	001	HTR TR(F) SEC	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1098	001	001	HTR TR(G) PRI	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
1099	001	001	HTR TR(G) SEC	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
11C0	001	001	HTR TL(H) PRI	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
11C1	001	001	HTR TL(H) SEC	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
11C2	001	001	HTR TL(I) PRI	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
11C3	001	001	HTR TL(I) SEC	.100000+04	.000000	WATTS	.000000	00	00	000	000	001	000061
11C4	001	002	HTR H(A) PRI	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
11C5	001	002	HTR H(A) SEC	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
11C6	001	002	HTR H(A-1) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
11C7	001	002	HTR H(A-2) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
11C8	001	002	HTR H(B) PRI	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
11C9	001	002	HTR H(B) SEC	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
11D0	001	002	HTR H(B) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1111	001	002	HTR AMPS T (D) PRI	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1112	001	002	HTR AMPS T (D) SEC	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1113	001	002	HTR AMPS T(D-1) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1114	001	002	HTR AMPS T(D-2) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1115	001	002	HTR AMPS T(D-3) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1116	001	002	HTR AMPS T(D-4) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1117	001	002	HTR AMPS T(E) PRI	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1118	001	002	HTR AMPS T(E) SEC	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1119	001	002	HTR AMPS T(E-1) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1120	001	002	HTR AMPS TL(E-2) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1121	001	002	HTR AMPS TL(E-3) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1122	001	002	HTR AMPS TR(E-4) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1123	001	002	HTR AMPS TR(E-5) TER	.300000+02	.000000	AMPS	.000000	00	00	000	000	001	000061
1124	001	001	HTR T (D) PRI	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1125	001	001	HTR T (D) SEC	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1126	001	001	HTR T (D-1) TER	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1127	001	001	HTR T (D-2) TER	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
1128	001	001	HTR T (D-3) TER	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1129	001	001	HTR T (E) PRI	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1130	001	001	HTR T (E) SEC	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1131	001	001	HTR T (E-1) TER	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1132	001	001	HTR TL(E-2) TER	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1133	001	001	HTR TL(E-2) TER	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1134	001	001	HTR TL(E-3) TER	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1135	001	001	HTR TR(E-4) TER	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1136	001	001	HTR TR(E-5) TER	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1137	001	001	HTR TR(F) PRI	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1138	001	001	HTR TR(F) SEC	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1139	001	001	HTR TR(G) PRI	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1140	001	001	HTR TR(G) SEC	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1141	001	001	HTR TL(H) PRI	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1142	001	001	HTR TL(H) SEC	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1143	001	001	HTR TL(I) PRI	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1144	001	001	HTR TL(I) SEC	.100000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1145	001	001	HTR TOPP TOT POWER	.200000+05	.000000	W-HRS	.000000	00	00	000	000	001	000061
1146	001	001	AVG HTR TOPP DUCT POW	.200000+05	.000000	WATTS	.000000	00	00	000	000	001	000061
1147	001	001	AVG F/W FLOW PRI-H/L	.150000+03	.000000	LB/HR	.000000	00	00	000	000	001	000061
1148	001	001	AVG F/W FLOW PRI-T	.150000+03	.000000	LB/HR	.000000	00	00	000	000	001	000061
1149	001	001	AVG F/W FLOW SEC-H/L	.150000+03	.000000	LB/HR	.000000	00	00	000	000	001	000061
1150	001	001	AVG F/W FLOW SEC-T	.150000+03	.000000	LB/HR	.000000	00	00	000	000	001	000061
1151	001	001	F/W AVG LN -H/L PRI	.150000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1152	001	001	F/W AVG LN -H/L SEC	.150000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1153	001	001	F/W AVG LN -T PRI	.150000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1154	001	001	F/W AVG LN -T SEC	.150000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1155	001	001	F/W AVG INLT .PRI	.150000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1156	001	001	F/W AVG INLT .SEC	.150000+03	.000000	DEGR-F	.000000	00	00	000	000	001	000061
1157	001	001	F/W FLOW PRI -H/L	.150000+03	.000000	LB/HR	.000000	00	00	000	000	001	000061
1158	001	001	F/W FLOW PRI -T	.150000+03	.000000	LB/HR	.000000	00	00	000	000	001	000061
1159	001	001	F/W FLOW SEC - H/L	.150000+03	.000000	LB/HR	.000000	00	00	000	000	001	000061
1160	001	001	F/W FLOW SEC -T	.150000+03	.000000	LB/HR	.000000	00	00	000	000	001	000061
1161	001	001	F/W INT FLOW PRI -H/L	.150000+04	.000000	LBS	.000000	00	00	000	000	001	000061
1162	001	001	F/W INT FLOW PRI -T	.150000+04	.000000	LBS	.000000	00	00	000	000	001	000061
1163	001	001	F/W INT FLOW SEC - H/L	.150000+04	.000000	LBS	.000000	00	00	000	000	001	000061
1164	001	001	F/W INT FLOW SEC -T	.150000+04	.000000	LBS	.000000	00	00	000	000	001	000061
1165	001	001	F-21 PRI RETURN FLOW	.300000+04	.000000	LB/HR	.000000	00	00	000	000	001	000061
1166	001	001	F-21 SEC RETURN FLOW	.300000+04	.000000	LB/HR	.000000	00	00	000	000	001	000061
1167	001	001	F-21 TOT CART FLOW	.600000+04	.000000	LB/HR	.000000	00	00	000	000	001	000061
1168	001	001	F-21 PRI CART FLOW	.300000+04	.000000	LB/HR	.000000	00	00	000	000	001	000061
1169	001	001	F-21 SEC CART FLOW	.300000+04	.000000	LB/HR	.000000	00	00	000	000	001	000061
1170	001	000	H/L AVG HEAT RATE	.150000+06	.000000	BTU/HR	.000000	00	00	000	000	001	000061
1171	001	000	TOP AVG HEAT RATE	.100000+06	.000000	BTU/HR	.000000	00	00	000	000	001	000061
1172	001	000	FES AVG HEAT RATE	.200000+06	.000000	BTU/HR	.000000	00	00	000	000	001	000061
1173	001	001	F-21 INLT H -PRI	.500000+02	.000000	BTU/LB	.000000	00	00	000	000	001	000061
1174	001	001	F-21 INLT H -SEC	.500000+02	.000000	BTU/LB	.000000	00	00	000	000	001	000061
1175	001	001	F-21 MID H -PRI	.500000+02	.000000	BTU/LB	.000000	00	00	000	000	001	000061
1176	001	001	F-21 MID H -SEC	.500000+02	.000000	BTU/LB	.000000	00	00	000	000	001	000061
1177	001	001	F-21 OUTLT H -PRI	.500000+02	.000000	BTU/LB	.000000	00	00	000	000	001	000061

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
1178	001	001	F-21 OUTLT H -SEC	.500000+02	.000000	BTU/LB	.000000	00	00	000	000	001	000061
1179	001	000	H/L EVP INST QDOT	.150000+06	.000000	BTU/HR	.000000	00	00	000	000	001	000061
1180	001	000	T EVP INST QDOT	.100000+06	.000000	BTU/HR	.000000	00	00	000	000	001	000061
1181	001	000	FES INST QDOT	.200000+06	.000000	BTU/HR	.000000	00	00	000	000	001	000061
1182	001	000	H/L INTG Q	.150000+07	.000000	BTU	.000000	00	00	000	000	001	000061
1183	001	000	T INTG Q	.100000+07	.000000	BTU	.000000	00	00	000	000	001	000061
1184	001	000	FES INTG Q	.200000+07	.000000	BTU	.000000	00	00	000	000	001	000061
1185	001	002	FES AVG OUTLT TEMP	.150000+03	.300000+02	DEGR-F	.000000	00	00	000	000	001	000061
1186	001	001	F-21 COOLING RATE	.500000+02	-.500000+02	F/SEC	.000000	00	00	000	000	001	000061
1187	001	002	OLD OUTLET TEMP	.150000+03	.300000+02	DEGR-F	.000000	00	00	000	000	001	000061
1188	001	001	F/W FES INLT P - PRI	.400000+03	.000000	PSIA	.000000	00	00	000	000	001	000061
1189	001	001	F/W FES INLT P - SEC	.400000+03	.000000	PSIA	.000000	00	00	000	000	001	000061
1190	001	004	TEST POINT TIME	.240000+02	.000000	HOURS	.000000	00	00	000	000	001	000061
1191	005	005	RFMS I/G MASS FLUX	.000000	.000000	FLUX	.000000	00	00	000	000	001	000001
1192	005	005	RFMS BARA MASS FLUX	.000000	.000000	FLUX	.000000	00	00	000	000	001	000001
1193	005	005	RFMS ION GAGE PRESS	.000000	.000000	TORR	.000000	00	00	000	000	001	000001
1194	005	005	RFMS BARATRON PRESS	.000000	.000000	TORR	.000000	00	00	000	000	001	000001
1195	005	005	ION GAGE #1 PRESS	.000000	.000000	TORR	.000000	00	00	000	000	001	000001
1196	005	005	ION GAGE #2 PRESS	.000000	.000000	TORR	.000000	00	00	000	000	001	000001
1197	005	005	ION GAGE #3 PRESS	.000000	.000000	TORR	.000000	00	00	000	000	001	000001
1198	016	005	CHMB A ALPHA PRESSURE	.000000	.000000	TORR	.000000	00	00	000	000	001	000001
1199	016	005	CHMB A ION GAGE PRESS	.000000	.000000	TORR	.000000	00	00	000	000	001	000001
1200	016	005	CHMB A BARA PRESSURE	.000000	.000000	TORR	.000000	00	00	000	000	001	000001
1201	001	002	AVG POWER ZONE A1	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1202	001	002	AVG POWER ZONE A2	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1203	001	002	AVG POWER ZONE BS	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1204	001	002	AVG POWER ZONE CP	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1205	001	002	AVG POWER ZONE D1	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1206	C01	002	AVG POWER ZONE D2	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1207	C01	002	AVG POWER ZONE D3	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1208	C01	002	AVG POWER ZONE D4	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1209	C01	002	AVG POWER ZONE E1	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1210	C01	002	AVG POWER ZONE E2	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1211	001	002	AVG POWER ZONE E3	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1212	001	002	AVG POWER ZONE E4	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1213	001	002	AVG POWER ZONE E5	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1214	C01	002	AVG POWER ZONE FP	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1215	C01	002	AVG POWER ZONE GP	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1216	001	002	AVG POWER ZONE HS	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1217	001	002	AVG POWER ZONE IP	.000000	.000000	WATTS	.000000	00	00	000	000	001	000001
1218	003	005	ULTEK IG #5 PRESS	.000000	.000000	TORR	.000000	00	00	000	000	001	000001
1219	003	005	ULTEK IG #6 PRESS	.000000	.000000	TORR	.000000	00	00	000	000	001	000001
1220	003	002	DELTA VAPOR PIPE 01	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1221	C03	002	DELTA VAPOR PIPE 02	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1222	003	002	DELTA VAPOR PIPE 03	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1223	C03	C02	DELTA VAPOR PIPE 04	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1224	003	002	DELTA VAPOR PIPE 05	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1225	003	0C2	DELTA VAPOR PIPE 06	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1226	003	002	DELTA VAPOR PIPE 07	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1227	003	002	DELTA VAPOR PIPE 08	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
1228	003	002	DELTA VAPOR PIPE 09	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1229	003	002	DELTA VAPOR PIPE 10	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1230	003	002	DELTA VAPOR PIPE 11	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1231	003	002	DELTA VAPOR PIPE 12	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1232	003	002	DELTA EVAP PIPE 01	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1233	003	002	DELTA EVAP PIPE 04	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1234	003	002	DELTA EVAP PIPE 06	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1235	003	002	DELTA EVAP PIPE 09	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1236	003	002	DELTA EVAP PIPE 11	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1237	003	002	DELTA MID-TUBE PIPE 02	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1238	003	002	DELTA MID-TUBE PIPE 07	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1239	003	002	DELTA MID-TUBE PIPE 12	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1240	003	002	DELTA CONDSR PIPE 03	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1241	003	002	DELTA CONDSR PIPE 05	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1242	003	002	DELTA CONDSR PIPE 08	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1243	003	002	DELTA CONDSR PIPE 10	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1244	003	002	DELTA FIN-MID PIPE 2-3	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1245	003	002	DELTA FIN-MID PIPE 6-7	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1246	003	002	DEL FIN-MID PIPE 09-10	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1247	003	002	DEL FIN-MID PIPE 11-12	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1248	003	002	DELTA FIN CON PIPE 3-4	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1249	003	002	DELTA FIN CON PIPE 5-6	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1250	003	002	DELTA FIN CON PIPE 7-8	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1251	003	002	DEL FIN-CON PIPE 10-11	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1252	003	002	DELTA F21 INLET TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1253	003	002	DELTA F21 FLOWRATEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1254	003	002	DELTA F21 DELTA TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1255	003	002	DELTA VAPOR	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1256	003	002	DELTA FIN MIDPT-EVAP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1257	003	002	DELTA TUBE ROOT-MID	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1258	003	002	DELTA FIN MIDPT-COND	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1259	003	002	DELTA F21 INLET TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1260	003	002	DELTA F21 FLOWRATEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1261	003	002	DELTA F21 DELTA TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1262	003	002	DELTA VAPOR PIPE 01	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1263	003	002	DELTA VAPOR PIPE 02	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1264	003	002	DELTA VAPOR PIPE 03	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1265	003	002	DELTA VAPOR PIPE 04	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1266	003	002	DELTA VAPOR PIPE 05	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1267	003	002	DELTA VAPOR PIPE 06	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1268	003	002	DELTA VAPOR PIPE 07	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1269	003	002	DELTA VAPOR PIPE 08	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1270	003	002	DELTA VAPOR PIPE 09	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1271	003	002	DELTA VAPOR PIPE 10	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1272	003	002	DELTA VAPOR PIPE 11	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1273	003	002	DELTA VAPOR PIPE 12	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1274	003	002	DELTA EVAP PIPE 01	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1275	003	002	DELTA EVAP PIPE 04	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1276	003	002	DELTA EVAP PIPE 06	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1277	003	002	DELTA EVAP PIPE 09	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
1278	003	002	DELTA EVAP PIPE 11	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1279	003	002	DELTA MID-TUBE PIPE 02	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1280	003	002	DELTA MID-TUBE PIPE 07	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1281	003	002	DELTA MID-TUBE PIPE 12	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1282	003	002	DELTA CONDSR PIPE 03	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1283	003	002	DELTA CONDSR PIPE 05	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1284	003	002	DELTA CONDSR PIPE 08	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1285	003	002	DELTA CONDSR PIPE 10	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1286	003	002	DELTA FIN-MID PIPE 2-3	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1287	003	002	DELTA FIN-MID PIPE 6-7	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1288	003	002	DEL FIN-MID PIPE 09-10	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1289	003	002	DEL FIN-MID PIPE 11-12	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1290	003	002	DELTA FIN-CON PIPE 3-4	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1291	003	002	DELTA FIN-CON PIPE 5-6	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1292	003	002	DELTA FIN-CON PIPE 7-8	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1293	003	002	DELTA F21 INLET TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1294	003	002	DELTA F21 FLOWRATE	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1295	003	002	DELTA F21 DELTA TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1296	003	002	DEL FIN-CON PIPE 10-11	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1297	003	002	DELTA VAPOR	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1298	003	002	DELTA FIN MIDPT-EVAP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1299	003	002	DELTA TUBE ROOT-MID	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1300	003	002	DELTA FIN MIDPT-MID	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1301	003	002	DELTA FIN MIDPT-COND	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1302	003	002	DELTA F21 INLET TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1303	003	002	DELTA F21 FLOWRATE	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1304	003	002	DELTA F21 DELTA TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1305	003	002	DELTA VAPOR PIPE 01	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1306	003	002	DELTA VAPOR PIPE 02	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1307	003	002	DELTA VAPOR PIPE 03	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1308	003	002	DELTA VAPOR PIPE 04	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1309	003	002	DELTA VAPOR PIPE 05	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1310	003	002	DELTA VAPOR PIPE 06	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1311	003	002	DELTA VAPOR PIPE 07	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1312	003	002	DELTA VAPOR PIPE 08	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1313	003	002	DELTA VAPOR PIPE 09	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1314	003	002	DELTA VAPOR PIPE 10	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1315	003	002	DELTA VAPOR PIPE 11	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1316	003	002	DELTA VAPOR PIPE 12	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1317	003	002	DELTA EVAP PIPE 01	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1318	003	002	DELTA EVAP PIPE 04	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1319	003	002	DELTA EVAP PIPE 06	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1320	003	002	DELTA EVAP PIPE 09	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1321	003	002	DELTA EVAP PIPE 11	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1322	003	002	DELTA MID-TUBE PIPE 02	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1323	003	002	DELTA MID-TUBE PIPE 07	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1324	003	002	DELTA MID-TUBE PIPE 12	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1325	003	002	DELTA CONDSR PIPE 03	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1326	003	002	DELTA CONDSR PIPE 05	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1327	003	002	DELTA CONDSR PIPE 08	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001

ITEM DEFINITION - REAL AND PSEUDO MEASUREMENT INDEXES

ITEM INDEX	SYS.	FMT	ITEM DESCRIPTION	UPPER LIMIT	LOWER LIMIT	UNITS	APERTURE	TYPE	DEV.	CHANL	SAMPLE SLOT	SAMPLE RATE	WORD 24
1328	003	002	DELTA CONDSR PIPE 10	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1329	003	002	DELTA FIN-MID PIPE 2-3	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1330	003	002	DELTA FIN-MID PIPE 6-7	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1331	003	002	DEL FIN-MID PIPE 09-10	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1332	003	002	DEL FIN-MID PIPE 11-12	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1333	003	002	DELTA FIN-CON PIPE 3-4	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1334	003	002	DELTA FIN-CON PIPE 5-6	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1335	003	002	DELTA FIN-CON PIPE 7-8	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1336	003	002	DEL FIN-CON PIPE 10-11	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1337	003	002	DELTA F21 INLET TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1338	003	002	DELTA F21 FLOWRATE	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1339	003	002	DELTA F21 DELTA TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1340	003	002	DELTA VAPOR	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1341	003	002	DELTA FIN MIDPT-EVAP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1342	003	002	DELTA TUBE ROOT-MID	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1343	003	002	DELTA FIN MIDPT-MID	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1344	003	002	DELTA FIN MIDPT-COND	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1345	003	002	DELTA F21 INLET TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1346	003	002	DELTA F21 FLOWMETER	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1347	003	002	DELTA F21 DELTA TEMP	.000000	.000000	DEGR-F	.000000	00	00	000	000	001	000001
1348	003	001	SY TOT FLOW TO HP-FIN	.000000	.000000	LB/HR	.000000	00	00	000	000	001	000001
1349	003	001	R&D SYSTEM LEG FLOW	.000000	.000000	LB/HR	.000000	00	00	000	000	001	000001
1350	003	001	PANEL SYSTEM FLOW	.000000	.000000	LB/HR	.000000	00	00	000	000	001	000001
1351	003	001	PANEL #1 MID FLOW	.000000	.000000	LB/HR	.000000	00	00	000	000	001	000001
1352	003	001	PANEL #2 MID FLOW	.000000	.000000	LB/HR	.000000	00	00	000	000	001	000001
1353	003	001	PANEL #3 MID FLOW	.000000	.000000	LB/HR	.000000	00	00	000	000	001	000001
1354	003	001	SYSTEM BYPASS FLOW	.000000	.000000	LB/HR	.000000	00	00	000	000	001	000001
1355	003	001	ELEMENT #1 FLOW	.000000	.000000	LB/HR	.000000	00	00	000	000	001	000001
1356	003	001	ELEMENT #2 FLOW	.000000	.000000	LB/HR	.000000	00	00	000	000	001	000001
1357	003	001	ELEMENT #3 FLOW	.000000	.000000	LB/HR	.000000	00	00	000	000	001	000001

ITEM DEFINITION -- STIMULUS INDEXES

ITEM INDEX	SYS.	FMT	STIMULUS DESCRIPTION	UNITS	TYPE CODE	TYPE	DEV.	CHAN

ITEM DEFINITION - STIMULUS INDEXES

ITEM INDEX	SYS.	FMT	STIMULUS DESCRIPTION	UNITS	TYPE CODE	TYPE	DEV	CHANL
2048	006	001	HL DUCT A PRI.MOD 33	DEGR-F	32768	00	00	377
2049	006	001	HL DUCT A PRI.MOD 34	DEGR-F	32768	00	00	377
2050	006	001	HL DUCT A PRI.MOD 35	DEGR-F	32768	00	00	377
2051	006	001	HL DUCT A SEC.MOD 36	DEGR-F	32768	00	00	377
2052	006	001	HL DUCT A SEC.MOD 37	DEGR-F	32768	00	00	377
2053	006	001	HL DUCT A SEC.MOD 38	DEGR-F	32768	00	00	377
2054	006	001	HL DUCT A1 TER.MOD 39	DEGR-F	32768	00	00	377
2055	006	001	HL DUCT A1 TER.MOD 40	DEGR-F	32768	00	00	377
2056	006	001	HL DUCT A1 TER.MOD 41	DEGR-F	32768	00	00	377
2057	006	001	HL DUCT A2 TER.MOD 42	DEGR-F	32768	00	00	377
2058	006	001	HL DUCT A2 TER.MOD 43	DEGR-F	32768	00	00	377
2059	006	001	HL DUCT A2 TER.MOD 44	DEGR-F	32768	00	00	377
2060	006	001	HL DUCT B PRI.MOD 45	DEGR-F	32768	00	00	377
2061	006	001	HL DUCT B PRI.MOD 46	DEGR-F	32768	00	00	377
2062	006	001	HL DUCT B SEC.MOD 47	DEGR-F	32768	00	00	377
2063	006	001	HL DUCT B SEC.MOD 48	DEGR-F	32768	00	00	377
2064	006	001	HL DUCT B TER.MOD 49	DEGR-F	32768	00	00	377
2065	006	001	HL DUCT B TER.MOD 50	DEGR-F	32768	00	00	377
2066	006	001	HL DUCT C PRI.MOD 51	DEGR-F	32768	00	00	377
2067	006	001	HL DUCT C SEC.MOD 52	DEGR-F	32768	00	00	377
2068	006	001	HL DUCT C TER.MOD 53	DEGR-F	32768	00	00	377
2069	006	001	TOP DUCT D PRI MOD.54	DEGR-F	32768	00	00	377
2070	006	001	TOP DUCT D PRI.MOD 55	DEGR-F	32768	00	00	377
2071	006	001	TOP DUCT D SEC.MOD 56	DEGR-F	32768	00	00	377
2072	006	001	TOP DUCT D SEC.MOD 57	DEGR-F	32768	00	00	377
2073	006	001	TOP DUCT D1 TER.MOD 58	DEGR-F	32768	00	00	377
2074	006	001	TOP DUCT D1 TER.MOD 59	DEGR-F	32768	00	00	377
2075	006	001	TOP DUCT D2 TER.MOD 60	DEGR-F	32768	00	00	377
2076	006	001	TOP DUCT D2 TER.MOD 61	DEGR-F	32768	00	00	377
2077	006	001	TOP DUCT D3 TER.MOD 62	DEGR-F	32768	00	00	377
2078	006	001	TOP DUCT D3 TER.MOD 63	DEGR-F	32768	00	00	377
2079	006	001	TOP DUCT D4 TER.MOD 64	DEGR-F	32768	00	00	377
2080	006	001	TOP DUCT D4 TER.MOD 65	DEGR-F	32768	00	00	377
2081	006	001	TOP DUCT E PRI.MOD 66	DEGR-F	32768	00	00	377
2082	006	001	TOP DUCT E PRI.MOD 67	DEGR-F	32768	00	00	377
2083	006	001	TOP DUCT E PRI.MOD 68	DEGR-F	32768	00	00	377
2084	006	001	TOP DUCT E SEC.MOD 69	DEGR-F	32768	00	00	377
2085	006	001	TOP DUCT E SEC.MOD 70	DEGR-F	32768	00	00	377
2086	006	001	TOP DUCT E SEC.MOD 71	DEGR-F	32768	00	00	377
2087	006	001	TOP DUCT E1 TER.MOD 72	DEGR-F	32768	00	00	377
2088	006	001	TOP DUCT E1 TER.MOD 73	DEGR-F	32768	00	00	377
2089	006	001	TOP DUCT E1 TER.MOD 74	DEGR-F	32768	00	00	377
2090	006	001	TOP DUCT E2 TER.MOD 75	DEGR-F	32768	00	00	377
2091	006	001	TOP DUCT E2 TER.MOD 76	DEGR-F	32768	00	00	377
2092	006	001	TOP DUCT E2 TER.MOD 77	DEGR-F	32768	00	00	377
2093	006	001	TOP DUCT E3 TER.MOD 78	DEGR-F	32768	00	00	377
2094	006	001	TOP DUCT E3 TER.MOD 79	DEGR-F	32768	00	00	377
2095	006	001	TOP DUCT E3 TER.MOD 80	DEGR-F	32768	00	00	377
2096	006	001	TOP DUCT E4 TER.MOD 81	DEGR-F	32768	00	00	377
2097	006	001	TOP DUCT E4 TER.MOD 82	DEGR-F	32768	00	00	377

ITEM DEFINITION - STIMULUS INDEXES

ITEM INDEX	SYS.	FMT	STIMULUS DESCRIPTION	UNITS	TYPE. CODE	TYPE	DEV	CHAN
2098	006	001	TOP DUCT E4 TER,MOD 83	DEGR-F	32768	00	00	377
2099	006	001	TOP DUCT E5 TER,MOD 84	DEGR-F	32768	00	00	377
2100	006	001	TOP DUCT E5 TER,MOD 85	DEGR-F	32768	00	00	377
2101	006	001	TOP DUCT E5 TER,MOD 86	DEGR-F	32768	00	00	377
2102	006	001	TOP DUCT F PRI,MOD 87	DEGR-F	32768	00	00	377
2103	006	001	TOP DUCT F SEC,MOD 88	DEGR-F	32768	00	00	377
2104	006	001	TOP DUCT G PRI,MOD 89	DEGR-F	32768	00	00	377
2105	006	001	TOP DUCT G SEC,MOD 90	DEGR-F	32768	00	00	377
2106	006	001	TOP DUCT H PRI,MOD 91	DEGR-F	32768	00	00	377
2107	006	001	TOP DUCT H SEC,MOD 92	DEGR-F	32768	00	00	377
2108	006	001	TOP DUCT I PRI,MOD 93	DEGR-F	32768	00	00	377
2109	006	001	TOP DUCT I SEC,MOD 94	DEGR-F	32768	00	00	377
2110	006	001	FW LI HTR-HL PRI,M 112	DEGR-F	32768	00	00	377
2111	006	001	FW LI HTR-TOP PRI,M113	DEGR-F	32768	00	00	377
2112	006	001	FW LI HTR-HL SEC,M 114	DEGR-F	32768	00	00	377
2113	006	001	FW LI HTR-TOP SEC,MI15	DEGR-F	32768	00	00	377
2114	006	000	REFLECTOR PLATE,MOD 95	DEGR-F	32768	00	00	377
2115	006	000	REFLECTOR PLATE,MOD 96	DEGR-F	32768	00	00	377
2116	006	000	FUSLGE SIMULTR,MOD 97	DEGR-F	32768	00	00	377
2117	006	000	FUSLGE SIMULTR,MOD 98	DEGR-F	32768	00	00	377
2118	006	000	FUSLGE SIMULTR,MOD 99	DEGR-F	32768	00	00	377
2119	006	000	FUSLGE SIMULTR,MOD 100	DEGR-F	32768	00	00	377
2120	006	000	FUSLGE SIMULTR,MOD 101	DEGR-F	32768	00	00	377
2121	006	000	FUSLGE SIMULTR,MOD 102	DEGR-F	32768	00	00	377
2122	006	000	ELEVON SIMULTR,MOD 103	DEGR-F	32768	00	00	377
2123	006	000	ELEVON SIMULTR,MOD 104	DEGR-F	32768	00	00	377
2124	006	000	ELEVON SIMULTR,MOD 108	DEGR-F	32768	00	00	377
2125	006	000	ELEVON SIMULTR,MOD 109	DEGR-F	32768	00	00	377
2126	006	000	ELEVON SIMULTR,MOD 110	DEGR-F	32768	00	00	377
2127	006	000	ELEVON SIMULTR,MOD 111	DEGR-F	32768	00	00	377
2128	006	000	2D FES HEAT EX,MOD 105	DEGR-F	32768	00	00	377
2129	006	000	TOP OF ACCUMTR,MOD 106	DEGR-F	32768	00	00	377
2130	006	000	TOP OF ACCUMTR,MOD 107	DEGR-F	32768	00	00	377
2131	006	000	TOP OF ACCUMTR,MOD 116	DEGR-F	32768	00	00	377
2132	006	000	BOT OF ACCUMTR,MOD 117	DEGR-F	32768	00	00	377
2133	006	000	BOT OF ACCUMTR,MOD 118	DEGR-F	32768	00	00	377
2134	006	000	WALL\HEAT EX,MOD 119	DEGR-F	32768	00	00	377
2135	006	000	WALL\HEAT EX,MOD 120	DEGR-F	32768	00	00	377
2136	006	000	WALL\HEAT EX,MOD 121	DEGR-F	32768	00	00	377
2137	006	000	PRI FES HT EX,MOD 122	DEGR-F	32768	00	00	377
2138	006	000	PRI FES HT EX,MOD 123	DEGR-F	32768	00	00	377
2139	006	000	PRI FES HT EX,MOD 124	DEGR-F	32768	00	00	377
2140	006	000	2D FES HEAT EX,MOD 125	DEGR-F	32768	00	00	377
2141	006	000	2D FES HEAT EX,MOD 126	DEGR-F	32768	00	00	377
2142	006	000	BOT OF ACCUMTR,MOD 127	DEGR-F	32768	00	00	377
2143	006	000	IRP 5 HOT HX,PCC CH 1	DEGR-F	32768	00	00	077
2144	006	000	IRP 6 HOT HX,PCC CH 2	DEGR-F	32768	00	00	077
2145	006	000	IRP 7 HOT HX,PCC CH 3	DEGR-F	32768	00	00	077
2146	006	000	COOLER IN,PCC CH 4	DEGR-F	32768	00	00	077

CONVERSION SETS.BLOCK 3 OCTAL WORD 000000000400

.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
-.3000+04	.2000+04	.0000	.0000	.0000	.0000
.0000	.1000+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 4 OCTAL WORD 000000000421

.0000	.5000+04	.0000	.0000	.0000	.0000
.0000	.6429+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.2500+04	.0000	.0000	.0000	.0000
.0000	.1333+01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.1000+02	.5000+04	.0000	.0000	.0000	.0000
.0000	.2000-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 5 OCTAL WORD 000000000421

.0000	.1000+05	.0000	.0000	.0000	.0000
.1000+02	.1522+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.1000+05	.0000	.0000	.0000	.0000
.6396+01	.1398+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.1000+05	.0000	.0000	.0000	.0000
.1345+02	.1513+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 6 OCTAL WORD 000000000421

.0000	.1000+05	.0000	.0000	.0000	.0000

.0000	.4000+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.1000+05	.0000	.0000	.0000	.0000
.0000	.4000+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5000+04	.0000	.0000	.0000	.0000
.0000	.4000+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 7 OCTAL WORD 00000000421

.0000	.5000+04	.0000	.0000	.0000	.0000
.2734+02	.3914+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.1000+01	.5010+04	.0000	.0000	.0000	.0000
-.2995-01	.2995-01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5100+04	.0000	.0000	.0000	.0000
-.4828+00	.1207-01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 8 OCTAL WORD 00000000021

.0000	.1024+05	.0000	.0000	.0000	.0000
.0000	.1000-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
-.2000+04	.2000+04	.0000	.0000	.0000	.0000
.0000	.1000+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 9 OCTAL WORD 00000000421

.0000	.3000+02	.0000	.0000	.0000	.0000
.0000	.1667+02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

```
                .0000          .5300+04       .0000          .0000          .0000          .0000
                .0000          .6000-01       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .5000+04       .0000          .0000          .0000          .0000
                .0000          .1500-01       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

CONVERSION SETS.BLOCK  10   OCTAL WORD 000000001021

                .0000          .5000+04       .0000          .0000          .0000          .0000
                .0000          .5000-02       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .3200+03       .0000          .0000          .0000          .0000
                .0000          .1049+01       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .4700+03       .4010+04       .0000          .0000          .0000
                .0000          .4255-01       .0000          .2680+01       .3693-01       .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

CONVERSION SETS.BLOCK  11   OCTAL WORD 000000000421

                .0000          .3000+02       .0000          .0000          .0000          .0000
                .0000          .1619+02       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .3000+02       .0000          .0000          .0000          .0000
                .0000          .1672+02       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .3000+02       .0000          .0000          .0000          .0000
                .0000          .1679+02       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

CONVERSION SETS.BLOCK  12   OCTAL WORD 000000000421

                .0000          .3000+02       .0000          .0000          .0000          .0000
                .0000          .1665+02       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .5000+04       .0000          .0000          .0000          .0000
                .0000          .2000-02       .0000          .0000          .0000          .0000
```

```
.0000   .0000   .0000   .0000   .0000   .0000
.0000   .0000   .0000

.0000   .4600+04   .0000   .0000   .0000   .0000
.0000   .2174-02   .0000   .0000   .0000   .0000
.0000   .0000   .0000   .0000   .0000   .0000
.0000   .0000   .0000

CONVERSION SETS.BLOCK  13   OCTAL WORD 000000000421

.0000   .5010+04   .0000   .0000   .0000   .0000
.0000   .2000-02   .0000   .0000   .0000   .0000
.0000   .0000   .0000   .0000   .0000   .0000
.0000   .0000   .0000

.0000   .9920+04   .0000   .0000   .0000   .0000
.0000   .1009-03   .0000   .0000   .0000   .0000
.0000   .0000   .0000   .0000   .0000   .0000
.0000   .0000   .0000

.0000   .9990+04   .0000   .0000   .0000   .0000
.0000   .1002-03   .0000   .0000   .0000   .0000
.0000   .0000   .0000   .0000   .0000   .0000
.0000   .0000   .0000

CONVERSION SETS.BLOCK  14   OCTAL WORD 000000000421

.0000   .5190+04   .0000   .0000   .0000   .0000
.0000   .1927-02   .0000   .0000   .0000   .0000
.0000   .0000   .0000   .0000   .0000   .0000
.0000   .0000   .0000

.0000   .4760+04   .0000   .0000   .0000   .0000
.0000   .2105-02   .0000   .0000   .0000   .0000
.0000   .0000   .0000   .0000   .0000   .0000
.0000   .0000   .0000

.0000   .4790+04   .0000   .0000   .0000   .0000
.0000   .2088-02   .0000   .0000   .0000   .0000
.0000   .0000   .0000   .0000   .0000   .0000
.0000   .0000   .0000

CONVERSION SETS.BLOCK  15   OCTAL WORD 000000000421

.0000   .9910+04   .0000   .0000   .0000   .0000
.0000   .1010-03   .0000   .0000   .0000   .0000
.0000   .0000   .0000   .0000   .0000   .0000
.0000   .0000   .0000

.0000   .1009+05   .0000   .0000   .0000   .0000
.0000   .9911-04   .0000   .0000   .0000   .0000
.0000   .0000   .0000   .0000   .0000   .0000
.0000   .0000   .0000
```

```
                .0000          .5010+04       .0000          .0000          .0000          .0000
                .0000          .2000-02       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

CONVERSION SETS,BLOCK  16   OCTAL WORD 000000000421

                .0000          .1020+05       .0000          .0000          .0000          .0000
                .0000          .9804-04       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .1004+05       .0000          .0000          .0000          .0000
                .0000          .9970-04       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .9980+04       .0000          .0000          .0000          .0000
                .0000          .1003-02       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

CONVERSION SETS.BLOCK  17   OCTAL WORD 000000000421

                .0000          .1003+05       .0000          .0000          .0000          .0000
                .0000          .9980-04       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .1008+05       .0000          .0000          .0000          .0000
                .0000          .9921-03       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .9900+04       .0000          .0000          .0000          .0000
                .0000          .1011-02       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

CONVERSION SETS.BLOCK  18   OCTAL WORD 000000000421

                .0000          .1001+05       .0000          .0000          .0000          .0000
                .0000          .1000-03       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .1002+05       .0000          .0000          .0000          .0000
                .0000          .9990-03       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
                .0000          .0000          .0000

                .0000          .1001+05       .0000          .0000          .0000          .0000
                .0000          .1000-04       .0000          .0000          .0000          .0000
                .0000          .0000          .0000          .0000          .0000          .0000
```

	.0000	.0000	.0000			

CONVERSION SETS,BLOCK 19 OCTAL WORD 000000001021

.0000	.1001+05	.0000	.0000	.0000	.0000
.0000	.1000-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.1001+05	.0000	.0000	.0000	.0000
.0000	.1000-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.7000+02	.4010+04	.0000	.0000	.0000
.0000	.2857+00	.0000	.1768+02	.3308-01	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS,BLOCK 20 OCTAL WORD 000000000021

.9000+02	.5100+03	.0000	.0000	.0000	.0000
.2500+01	.2500-01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.2000+03	.5000+04	.0000	.0000	.0000	.0000
.5000+00	.1679-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS,BLOCK 21 OCTAL WORD 000000000421

.0000	.5010+04	.0000	.0000	.0000	.0000
.0000	.1200-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5010+04	.0000	.0000	.0000	.0000
.0000	.6400-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5020+04	.0000	.0000	.0000	.0000
.0000	.6387-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 22 OCTAL WORD 000000000421

.0000	.5020+04	.0000	.0000	.0000	.0000
.0000	.6375-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5030+04	.0000	.0000	.0000	.0000
.0000	.6362-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5050+04	.0000	.0000	.0000	.0000
.0000	.6349-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 23 OCTAL WORD 000000000421

.0000	.5060+04	.0000	.0000	.0000	.0000
.0000	.6337-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5070+04	.0000	.0000	.0000	.0000
.0000	.6324-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5070+04	.0000	.0000	.0000	.0000
.0000	.6312-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 24 OCTAL WORD 000000000421

.0000	.5090+04	.0000	.0000	.0000	.0000
.0000	.6299-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5010+04	.0000	.0000	.0000	.0000
.0000	.3000-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5020+04	.0000	.0000	.0000	.0000
.0000	.2994-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 25 OCTAL WORD 000000000421

.0000	.5030+04	.0000	.0000	.0000	.0000

.0000	.2988-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5040+04	.0000	.0000	.0000	.0000
.0000	.9940-03	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5040+04	.0000	.0000	.0000	.0000
.0000	.9921-03	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS,BLOCK 26 OCTAL WORD 000000000421

.0000	.5000+04	.0000	.0000	.0000	.0000
.0000	.5000-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5000+04	.0000	.0000	.0000	.0000
.0000	.5000-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5010+04	.0000	.0000	.0000	.0000
.0000	.1320+01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS,BLOCK 27 OCTAL WORD 000000000421

.0000	.5010+04	.0000	.0000	.0000	.0000
.0000	.1318+01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5010+04	.0000	.0000	.0000	.0000
.0000	.1325+01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.5010+04	.0000	.0000	.0000	.0000
.0000	.6603+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS,BLOCK 28 OCTAL WORD 000000000421

.0000	.5010+04	.0000	.0000	.0000	.0000
.0000	.6581+00	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

```
          .0000          .1024+05       .0000          .0000          .0000          .0000
          .0000          .1000-02       .0000          .0000          .0000          .0000
          .0000          .0000          .0000          .0000          .0000          .0000
          .0000          .0000          .0000

         -.2010+04       .1010+04       .0000          .0000          .0000          .0000
          .0000          .1000+00       .0000          .0000          .0000          .0000
          .0000          .0000          .0000          .0000          .0000          .0000
          .0000          .0000          .0000
```

CONVERSION SETS.BLOCK 34 OCTAL WORD 000000002520

```
          .0000          .0000          .0000          .0000          .0000          .0000
          .0000          .0000          .0000          .0000          .0000          .0000
          .0000          .0000          .0000          .0000          .0000          .0000
          .0000          .0000          .0000

         -.8150+01       -.7126+01      -.5724+01      -.3684+01      -.3170+00       .7109+01
         -.3906+03       -.1217+03      -.1372+02       .2769+02      -.5667+01      -.5666+01
          .1296+03        .2952+02      -.2625+01       .1498+03       .4031+02      -.1168+01
          .1500+03        .4058+02      -.6340+00

         -.8150+01       -.7126+01      -.5724+01      -.3684+01      -.3170+00       .3936+01
         -.3906+03       -.1217+03      -.1372+02       .2769+02      -.5667+01      -.5666+01
          .1296+03        .2952+02      -.2625+01       .1498+03       .4031+02      -.1168+01
          .1500+03        .4058+02      -.6340+00
```

CONVERSION SETS.BLOCK 35 OCTAL WORD 000000002525

```
         -.8150+01       -.7126+01      -.5724+01      -.3684+01      -.3170+00       .3936+01
         -.3906+03       -.1217+03      -.1372+02       .2769+02      -.5667+01      -.5666+01
          .1296+03        .2952+02      -.2625+01       .1498+03       .4031+02      -.1168+01
          .1500+03        .4058+02      -.6340+00

         -.8150+01       -.7126+01      -.5724+01      -.3684+01      -.3170+00       .3936+01
         -.3906+03       -.1217+03      -.1372+02       .2769+02      -.5667+01      -.5666+01
          .1296+03        .2952+02      -.2625+01       .1498+03       .4031+02      -.1168+01
          .1500+03        .4058+02      -.6340+00

         -.8150+01       -.7126+01      -.5724+01      -.3684+01      -.3170+00       .3936+01
         -.3906+03       -.1217+03      -.1372+02       .2769+02      -.5667+01      -.5666+01
          .1296+03        .2952+02      -.2625+01       .1498+03       .4031+02      -.1168+01
          .1500+03        .4058+02      -.6340+00
```

CONVERSION SETS.BLOCK 38 OCTAL WORD 000000002525

```
         -.8150+01       -.7126+01      -.5724+01      -.3684+01      -.3170+00       .3936+01
         -.3906+03       -.1217+03      -.1372+02       .2769+02      -.5667+01      -.5666+01
          .1296+03        .2952+02      -.2625+01       .1498+03       .4031+02      -.1168+01
          .1500+03        .4058+02      -.6340+00

         -.8150+01       -.7126+01      -.5724+01      -.3684+01      -.3170+00       .3936+01
         -.3906+03       -.1217+03      -.1372+02       .2769+02      -.5667+01      -.5666+01
```

.1296+03	.2952+02	-.2625+01	.1498+03	.4031+02	-.1168+01
.1500+03	.4058+02	-.6340+00			
-.8150+01	-.7126+01	-.5724+01	-.3684+01	-.3170+00	.7109+01
-.3906+03	-.1217+03	-.1372+02	.2769+02	-.5667+01	-.5666+01
.1296+03	.2952+02	-.2625+01	.1498+03	.4031+02	-.1168+01
.1500+03	.4058+02	-.6340+00			

CONVERSION SETS.BLOCK 37 OCTAL WORD 000000000400

.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
-.1500+03	.1500+03	.0000	.0000	.0000	.0000
.0000	.1014+01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 38 OCTAL WORD 000000000421

.0000	.1500+03	.0000	.0000	.0000	.0000
.0000	.1020+01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
.0000	.1500+03	.0000	.0000	.0000	.0000
.0000	.1027+01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
-.1000+00	.5000+04	.0000	.0000	.0000	.0000
.3000+02	.2437-01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

CONVERSION SETS.BLOCK 39 OCTAL WORD 000000000421

-.1000+00	.5000+04	.0000	.0000	.0000	.0000
.3000+02	.2410-01	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			
-.5010+04	.5000+04	.0000	.0000	.0000	.0000
.0000	.2000-02	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000			

```
-.5010+04     .5010+04     .0000     .0000     .0000     .0000
.0000         .1200-02     .0000     .0000     .0000     .0000
.0000         .0000        .0000     .0000     .0000     .0000
.0000         .0000        .0000

CONVERSION SETS.BLOCK . 67   OCTAL WORD 000000000020

.0000         .0000        .0000     .0000     .0000     .0000
.0000         .0000        .0000     .0000     .0000     .0000
.0000         .0000        .0000     .0000     .0000     .0000
.0000         .0000        .0000

-.1024+05     .1024+05     .0000     .0000     .0000     .0000
.0000         .1000+01     .0000     .0000     .0000     .0000
.0000         .0000        .0000     .0000     .0000     .0000
.0000         .0000        .0000

.0000         .0000        .0000     .0000     .0000     .0000
.0000         .0000        .0000     .0000     .0000     .0000
.0000         .0000        .0000     .0000     .0000     .0000
.0000         .0000        .0000

INCORRECT INDICATOR FOR ITEM STATUS      +197  HEADER  RECORD IS  75 TAPE RECORD IS   75

-INDEX NOT FOUND FOR MID XP1005
```

DATA TABLE AND INITIAL PLOT AND TAB VALUES

FIXSR POS 1 INITIAL TIME = .14301842+08 DAY= 155 HR= 12 MIN= 44 SEC= 2.

FIXSR POS	MID	INDEX	SCALE FACTOR	BAND PASS	OUTFLG	FIXSR. TAPE	TAB TAPE	A-STATUS	B STATUS
2	$$0063	63	1.0000	.0000	0	**********	**********	4	99
3	$$0062	62	1.0000	.0000	0	**********	**********	4	99
4	XP0316	794	1.0000	.0000	0	**********	177777 100001	0	8
5	XP1004	945	1.0000	.0000	0	**********	177777 144630	0	8
6	DH0005	455	1.0000	.0000	0	275.1567	275.1567	0	1
7	DTC001	533	1.0000	.0000	0	187.8471	187.8471	0	1
8	FN0009	731	1.0000	.0000	0	119.7482	119.7482	0	2
9	HT3213	684	1.0000	.0000	0	.0000	.0000	0	2
10	DTC004	536	1.0000	.0000	0	250.4805	250.4805	0	1
11	FW1008	722	1.0000	.0000	0	31.5477	31.5477	0	1
12	FN2007	729	1.0000	.0000	0	120.5923	120.5923	0	2
13	FW1005	719	1.0000	.0000	0	32.0089	32.0089	0	1
14	EH0010	512	1.0000	.0000	0	118.9271	118.9271	0	2
15	FN0008	730	1.0000	.0000	0	120.6319	120.6319	0	2
16	FN1003	746	1.0000	.0000	0	12.3687	12.3687	0	1
17	EH2020	522	1.0000	.0000	0	118.9785	118.9785	0	2
18	FN0012	734	1.0000	.0000	0	-2.0587	-2.0587	0	2
19	FN0003	725	1.0000	.0000	0	121.5114	121.5114	0	2
20	FN2004	726	1.0000	.0000	0	120.6330	120.6330	0	2
21	EW2021	869	1.0000	.0000	0	71.2004	71.2004	0	0
22	EW2016	874	1.0000	.0000	0	71.7995	71.7995	0	0
23	ET0005	613	1.0000	.0000	0	118.7218	118.7218	0	1
24	FN2002	749	1.0000	.0000	0	3000.0972	3000.0972	0	1
25	ET0015	623	1.0000	.0000	0	119.1838	119.1838	0	1
26	FN2005	752	1.0000	.0000	0	980.5692	980.5692	0	1
27	ET1001	594	1.0000	.0000	0	.0650	.0650	0	4
28	EH1001	527	1.0000	.0000	0	.0625	.0625	0	4
29	DT1001	595	1.0000	.0000	0	.0579	.0579	0	4
30	DT1002	596	1.0000	.0000	0	.0679	.0679	0	4
31	DT1005	599	1.0000	.0000	0	.1075	.1075	0	4
32	DT1008	602	1.0000	.0000	0	.1053	.1053	0	4
33	DT1011	605	1.0000	.0000	0	.1314	.1314	0	4
34	DH1003	530	1.0000	.0000	0	.0015	.0015	0	4
35	DT1004	598	1.0000	.0000	0	.0047	.0047	0	4
36	DT1006	600	1.0000	.0000	0	.0054	.0054	0	4
37	DT1003	597	1.0000	.0000	0	.0008	.0008	0	4
38	DT1007	601	1.0000	.0000	0	.0017	.0017	0	4
39	DT1009	603	1.0000	.0000	0	.0170	.0170	0	4
40	DT1012	606	1.0000	.0000	0	.0105	.0105	0	4
41	DT1014	608	1.0000	.0000	0	.0009	.0009	0	4

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

42	ZV1001	1198	1.0000	.0000	0	.0000	.0000	0	5
43	ZV2006	1197	1.0000	.0000	0	147.9882	147.9882	0	5

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

```
   44     ZV1003     1200        1.0000          .0000      0          .0000          .0000        0        5
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
   45     ZS1056     1073        1.0000          .0000      0          .0000          .0000        2        1
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
   46     ZT0203     1026        1.0000          .0000      0   **************  **************   2        1
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
   47     ZT0206     1058        1.0000          .0000      0          .2500          .2500        2        1
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
   48     ZT0209     1061        1.0000          .0000      0          .0000          .0000        2        1
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
   49     ZT0213     1065        1.0000          .0000      0          .0000          .0000        0        1
   50     ZT0216     1068        1.0000          .0000      0        33.4608        33.4608        1        1
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
```

```
FIXSR POS      MID    INDEX  SCALE FACTOR    BAND PASS  OUTFLG      FIXSR TAPE          TAB TAPE     A STATUS  B STATUS

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
     51      ZT0219    1071       1.0000        .0000      0             .0000             .0000          2         1
     52      ZSC012    1189       1.0000        .0000      0          220.6491          220.6491          1         1

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
     53      ZT0253    1153       1.0000        .0000      0             .0000             .0000          2         1
     54      ZQ0001    1179       1.0000        .0000      0             .0975             .0975          1         0

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
     55      ZPC317    1192       1.0000        .0000      0             .0000             .0000          0         5
     56      $SC054      54       1.0000        .0000      0             .0000             .0000          2         0
     57      XP0317     795       1.0000        .0000      0      ***************   177777  125110          0         8
     58      XP1003     944       1.0000        .0000      0      ***************   177777  100501          0         8
     59      XP1005       0       1.0000        .0000      0      ***************   ***************        99        99
     60      DT0005     537       1.0000        .0000      0          250.4805          250.4805          0         1
     61      HT3211     682       1.0000        .0000      0             .0000             .0000          0         2

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
     62      ZV0316    1194       1.0000        .0000      0             .0000             .0000          0         5

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

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WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

ITEM NUMBER     58 HAS STATUS CODES A = 99 , B = 99

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

INDICATOR = 777777677777

INCORRECT INDICATOR    -32768 IN PERIODIC DATA RECORD       112
```

```
DYNAMIC CONTROL SEQUENCE NO.    5
REEL **       ** HAS BEEN DYNAMICALLY ASSIGNED TO LOGICAL UNIT  7
@ASG,TJ       7,BC,,92     .
*


FIXED-SAMPLE-RATE TAPE. LOGICAL UNIT  7, RECORD     1 (16S:012:044:  2.)
   .14302+08     .45385+19     .45385+19     .45385+19     .45385+19
   .27516+03     .18785+03     .11975+03     .00000        .25048+03
   .31548+02     .12059+03     .32009+02     .11893+03     .12063+03
   .12353+02     .11898+03    -.20587+01     .12151+03     .12063+03
   .71200+02     .71799+02     .11872+03     .30001+04     .11918+03
   .96057+03     .65000-01     .62500-01     .57687-01     .67860-01
   .10750+00     .10531+00     .13143+00     .15135-02     .47077-02
   .53922-02     .75750-03     .17447-02     .16966-01     .10500-01

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
   .92500-03     .02706-24     .14799+03     .02906-24     .01732-24

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
   .17921+11    -.25000+00     .00369-24     .00520-24     .33461+02

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
   .01530-24     .22065+03     .26332-28     .97500+01     .02681-24
   .00000        .45385+19     .45385+19     .45385+19     .25048+03

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
   .00000        .02691-24

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

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WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
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WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
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WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

FIXED-SAMPLE-RATE TAPE. LOGICAL UNIT  7. RECORD    2 (165:012:054:  2.)
     .14202+08    .45385+19    .45385+19    .45305+19    .45385+19
     .26118+03    .22933+03    .12241+03    .44295+01    .25376+03
     .31710+02    .12269+03    .32009+02    .12180+03    .12277+03
     .11600+02    .12185+03    .79181+00    .12374+03    .12283+03
     .69837+02    .71799+02    .12144+03    .31306+04    .12200+03
     .99702+03    .60000-01    .57500-01    .52625-01    .62640-01
     .87500-01    .10531+00    .11879+00    .22702-02    .52033-02
     .44118-02    .10000+07    .74775-03    .84830-02    .00000

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
     .17005-02    .31250-05    .15258-04    .55670-01    .57632-01
     .26203+03    .25344+03    .25421+03    .24161+03    .24372+03
     .15269+03    .32008+02    .75950+02    .49440+03    .81900-04
     .00000       .45385+19    .45385+19    .45385+19    .25312+03
     .22951+02    .54600-02

WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
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WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
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WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**
WARNING **UNNORMALIZED NUMBER(S) BEING EDITED FOR OUTPUT**

A FIXED SAMPLE RATE TAPE WAS GENERATED ON LOGICAL UNIT  7. CONTAINING      2 RECORDS
FIRST TIME OF THE TAPE IS 165:012:044: 2.
LAST  TIME OF THE TAPE IS 165:012:054: 2.
DELTA TIME OF THE TAPE IS   0:000:010: 0.

  TAPE NUMBER      1HAS     27 RECORDS.

AN OUTLAW FORMATED TAPE WAS OUTPUT ON LOGICAL UNIT  4
FILE 3 CONTAINS     27 RECORDS

A FIXED SAMPLE RATE TAPE WAS GENERATED ON LOGICAL UNIT  7. CONTAINING      2 RECORDS
FIRST TIME OF THE TAPE IS 165:012:044: 2.
LAST  TIME OF THE TAPE IS 165:012:054: 2.
DELTA TIME OF THE TAPE IS   0:000:010: 0.
```

```
DYNAMIC CONTROL SEQUENCE NO.     6
LOGICAL UNIT  8 HAS BEEN DYNAMICALLY FREED
@FREE        8.
*

**GNFLEX**  RECAP

INPUT TAPE NUMBER IS       1

NUMBER OF PHYSICAL DATA BASE RECORDS IS-----80

NUMBER OF LOGICAL RECORDS OF PERIODIC DATA IS    780

TOTAL NUMBER OF PHYSICAL THT RECORDS READ IS    194

TOTAL NUMBER OF PHYSICAL THT TAPE READ ATTEMPTS IS----194

TOTAL PARITY COUNT FOR THT TAPE READS IS       0

CURRENT STATUS FLAG (SFLAG) IS       0
```

```
000060  131101    000000000000  000000000000  000000000000  000000000000  063014050505  311705050505  670505050505  701005050505
000070  131111    716205050505  000000000000  000000000000  000000000000  000000000000  000000000000  000000000000  000000000000
   LINES OF 000000000000    SKIPPED    000030 OCT WORDS     000024 DEC WORDS
000130  131151    000000000000  000000000000  000000000000  000000000000  000000000006  000000000000  001327121256  300505050505
000140  131161    472312343006  331231062512  750505050505  560505050505  701005050505  000000000006  000000776777

BANK- $DBANK          SEGMENT- $MAIN$          ELEMENT- TAPLBL          $( 10) AT ADDRESS 131170   CREATED ON: 02 MAY 78 AT 16:22:34
000000  131170    000000000000  000000000000  000000000000  000000000000  000000000000  530000034365  560000034375  500000034365
000010  131200    750000034370  510000034365  400000034365  740000034365  050000034401  000000000000  003404000000  000030000000
000020  131210    000000000000  000001000000  000001000001  356167627067  000000000000  000005034242  000001106311  000000000076

BANK- $DBANK          SEGMENT- $MAIN$          ELEMENT- TAPLBL          $( 12) AT ADDRESS 131220   CREATED ON: 02 MAY 78 AT 16:22:34
000000  131220    034244034260

BANK- $DBANK          DUMP BEYOND ALLOCATED LIMIT
000000  131221    000000000001  000000000001  000000000067  000000001116  000000000021  000000000061  000000000015  000000000146
000010  131231    000000000035  000000000211  000000000071  000000000047  000000000007  000000000071  000000000345  000000000007
000020  131241    000000000056  000000000103  000000000102  000000000003  000000000007  000000000045  000000000007
000030  131251    000000000227  000000000014  000000000013  000000000034  000000000031  000000000730  000000000032  000000000250
000040  131261    000000000034  000000000053  000000000051  000000000044  000000000051  000000000113  000000000116  000000000261
000050  131271    000000000106  000000000153  000000000540  000000000020  000000000035  000000000053  000000000065  000000000055
000060  131301    000000000036  000000000010  000000000241  000000000011  000000000151  000000000124  000000000203  000000000304
000070  131311    000000000523  000000000001  000000000035  000000000040  000000000176  000000000000  000000000000  000000000000
   LINES OF 000000000000    SKIPPED    000450 OCT WORDS     000296 DEC WORDS
000550  131771    000000000000  000000000000  000000000000  000000000000  000000000000  000000000000  000000000000
```

```
*XQT OUTLAW
```

```
DYNAMIC CONTROL SEQUENCE NO.    1
LOGICAL UNIT 26 HAS BEEN DYNAMICALLY FREED
@FREE       26.
ISTAT = 100000000000 (OCTAL)
*


DYNAMIC CONTROL SEQUENCE NO.    2
LOGICAL UNIT 26 HAS BEEN DYMANICALLY ASSIGNED 60 POS'S
@ASG   26.F40/2/POS/60
*


DYNAMIC CONTROL SEQUENCE NO.    3
LOGICAL UNIT 27 HAS BEEN DYNAMICALLY FREED
@FREE       27.
ISTAT = 100000000000 (OCTAL)
*


DYNAMIC CONTROL SEQUENCE NO.    4
LOGICAL UNIT 27 HAS BEEN DYMANICALLY ASSIGNED 60 POS'S
@ASG   27.F40/2/POS/60
*


DYNAMIC CONTROL SEQUENCE NO.    5
LOGICAL UNIT 28 HAS BEEN DYNAMICALLY FREED
@FREE       28.
ISTAT = 100000000000 (OCTAL)
*


DYNAMIC CONTROL SEQUENCE NO.    6
LOGICAL UNIT 28 HAS BEEN DYMANICALLY ASSIGNED 60 POS'S
@ASG   28.F40/2/POS/60
*


DYNAMIC CONTROL SEQUENCE NO.    7
LOGICAL UNIT 29 HAS BEEN DYNAMICALLY FREED
@FREE       29.
ISTAT = 100000000000 (OCTAL)
*


DYNAMIC CONTROL SEQUENCE NO.    8
LOGICAL UNIT 29 HAS BEEN DYMANICALLY ASSIGNED 60 POS'S
@ASG   29.F40/2/POS/60
*


DYNAMIC CONTROL SEQUENCE NO.    9
LOGICAL UNIT 20 HAS BEEN DYNAMICALLY FREED
```

```
$FREE       20.
ISTAT = 100000000000 (OCTAL)
*


DYNAMIC CONTROL SEQUENCE NO.   10
LOGICAL UNIT 20 HAS BEEN DYNAMICALLY ASSIGNED 60 POS'S
$ASG   20,F40/2/POS/60
*


DYNAMIC CONTROL SEQUENCE NO.   11
LOGICAL UNIT 23 HAS BEEN DYNAMICALLY FREED
$FREE       23.
ISTAT = 100000000000 (OCTAL)
*


DYNAMIC CONTROL SEQUENCE NO.   12
LOGICAL UNIT 23 HAS BEEN DYNAMICALLY ASSIGNED 60 POS'S
$ASG   23,F40/2/POS/60
*


DYNAMIC CONTROL SEQUENCE NO.   13
LOGICAL UNIT 19 HAS BEEN DYNAMICALLY FREED
$FREE       19.
ISTAT = 100000000000 (OCTAL)
*


DYNAMIC CONTROL SEQUENCE NO.   14
REEL **      ** HAS BEEN DYNAMICALLY-ASSIGNED-TO-LOGICAL UNIT-19
$ASG,T      19,8C
*
```

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

S50063

DDD	HH	MM	SS	DATA
165	12	44	2.	@@@@@@@@@@@

S50062

DDD	HH	MM	SS	DATA
165	12	44	2.	@@@@@@@@@@@

XP0316

DDD	HH	MM	SS	DATA
165	12	44	2.	2.1000000000000001
165	12	44	17.	17.0000000000000001
165	12	44	23.	23.1000000000000001
165	12	44	41.	41.0000000000000001
165	12	44	44.	44.1000000000000001
165	12	44	59.	59.0000000000000001
165	12	45	5.	5.1000000000000001
165	12	45	29.	29.0000000000000001
165	12	45	32.	32.1000000000000001
165	12	46	2.	2.0000000000000001
165	12	46	6.	6.1000000000000001
165	12	47	8.	8.0000000000000001
165	12	47	14.	14.1000000000000001
165	12	47	41.	41.0000000000000001
165	12	47	44.	44.1000000000000001
165	12	48	14.	14.0000000000000001
165	12	48	20.	20.1000000000000001
165	12	48	47.	47.0000000000000001
165	12	48	50.	50.1000000000000001
165	12	49	17.	17.0000000000000001
165	12	49	23.	23.1000000000000001
165	12	49	50.	50.0000000000000001
165	12	49	56.	56.1000000000000001
165	12	50	2.	2.0000000000000001
165	12	50	5.	5.1000000000000001
165	12	50	20.	20.0000000000000001
165	12	50	26.	26.1000000000000001
165	12	50	56.	56.0000000000000001
165	12	51	2.	2.1000000000000001
165	12	51	26.	26.0000000000000001
165	12	51	29.	29.1000000000000001
165	12	51	56.	56.0000000000000001
165	12	52	2.	2.1000000000000001
165	12	52	29.	29.0000000000000001
165	12	52	35.	35.1000000000000001
165	12	53	2.	2.0000000000000001
165	12	53	8.	8.1000000000000001
165	12	53	14.	14.0000000000000001
165	12	53	17.	17.1000000000000001
165	12	53	32.	32.0000000000000001
165	12	53	38.	38.1000000000000001
165	12	54	14.	14.0000000000000001
165	12	54	17.	17.1000000000000001

XP0316

DDD	HH	MM	SS	DATA
165	12	54	38.	38.0000000000000001
165	12	54	44.	44.1000000000000001
165	12	54	47.	47.0000000000000001
165	12	54	50.	50.1000000000000001
165	12	55	8.	8.0000000000000001
165	12	55	17.	17.1000000000000001
165	12	55	38.	38.0000000000000001
165	12	55	44.	44.1000000000000001
165	12	55	47.	47.0000000000000001
165	12	55	50.	50.1000000000000001
165	12	55	53.	53.0000000000000001
165	12	55	56.	56.1000000000000001

XP1004

DDD	HH	MM	SS	DATA
165	12	44	2.	2.1100010011001000
165	12	44	11.	11.0100100100101000
165	12	44	12.	12.1100100100011000
165	12	44	13.	13.1100100100010000
165	12	44	14.	14.0100100100001000
165	12	44	15.	15.0100100100000000
165	12	44	16.	16.1100100011001000
165	12	44	18.	18.0100100011001000
165	12	44	19.	19.0100100011000000
165	12	44	20.	20.1100100011000000
165	12	44	21.	21.1100100010111000
165	12	44	22.	22.1100100010101000
165	12	44	23.	23.0100100010101000
165	12	44	25.	25.1100100010100000
165	12	44	26.	26.1100100010011000
165	12	44	27.	27.0100100010010000
165	12	44	28.	28.1100100010001000
165	12	44	29.	29.1100100010000000
165	12	44	40.	40.0100100001001000
165	12	44	41.	41.1100100001000000
165	12	44	43.	43.1100100000111000
165	12	44	44.	44.0100100000111000
165	12	44	45.	45.0100100000110000
165	12	44	46.	46.1100100000101000
165	12	44	47.	47.1100100000100000
165	12	44	48.	48.0100100000011000
165	12	44	50.	50.1100100000001000
165	12	44	52.	52.1100010011001000
165	12	44	53.	53.0100100000000000
165	12	44	54.	54.1100010011000000
165	12	44	55.	55.1100010011001000
165	12	44	56.	56.1100010010111000
165	12	44	59.	59.1100010010101000
165	12	45	0.	0.1100010010111000
165	12	45	1.	1.0100010010100000

XP1004

DDD	HH	MM	SS	DATA
165	12	45	2.	2.1100010010101000
165	12	45	3.	3.0100010010100000
165	12	45	4.	4.1100010010011000
165	12	45	5.	5.0100010010011000
165	12	45	6.	6.1100010001001000
165	12	45	7.	7.1100010010001000
165	12	45	9.	9.0100010000111000
165	12	45	10.	10.1100010010000000
165	12	45	11.	11.1100010001001000
165	12	45	12.	12.1100010001000000
165	12	45	13.	13.1100010000111000
165	12	45	15.	15.1100010000110000
165	12	45	16.	16.1100010000101000
165	12	45	17.	17.1100010000100000
165	12	45	18.	18.1100010000001000
165	12	45	19.	19.1100010000100000
165	12	45	20.	20.1100010000011000
165	12	45	21.	21.0100010000010000
165	12	45	22.	22.0100010000001000
165	12	45	23.	23.1100010000000000
165	12	45	24.	24.0100010000000000
165	12	45	25.	25.0100001111001000
165	12	45	26.	26.1100001111000000
165	12	45	28.	28.1100001110111000
165	12	45	29.	29.0100001111000000
165	12	45	30.	30.0100001110111000
165	12	45	31.	31.1100001110110000
165	12	45	32.	32.1100001110101000
165	12	45	34.	34.1100001110100000
165	12	45	35.	35.1100001110011000
165	12	45	37.	37.0100001110010000
165	12	45	38.	38.1100001110001000
165	12	45	41.	41.1100001101001000
165	12	45	43.	43.1100001101000000
165	12	45	44.	44.1100001100111000
165	12	45	46.	46.0100001100101000
165	12	45	47.	47.1100001100101000
165	12	45	48.	48.1100001100100000
165	12	45	49.	49.0100001100100000
165	12	45	50.	50.0100001100010000
165	12	45	51.	51.1100001100010000
165	12	45	52.	52.1100001100001000
165	12	45	54.	54.0100001011001000
165	12	45	55.	55.1100001011001000
165	12	45	56.	56.1100001011000000
165	12	45	57.	57.0100001010111000
165	12	45	58.	58.0100001011000000
165	12	45	59.	59.1100001010111000
165	12	46	1.	1.1100001010101000
165	12	46	2.	2.0100001010100000
165	12	46	3.	3.1100001010100000

XP1004

DDD	HH	MM	SS	DATA
165	12	46	5.	5.0100001010010000
165	12	46	7.	7.1100001010001000
165	12	46	8.	8.1100001010000000
165	12	46	9.	9.0100001010000000
165	12	46	10.	10.0100001001001000
165	12	46	12.	12.1100001001000000
165	12	46	13.	13.1100001000111000
165	12	46	14.	14.0100001000111000
165	12	46	15.	15.1100001000101000
165	12	46	16.	16.1100001000100000
165	12	46	18.	18.0100001000010000
165	12	46	19.	19.1100001000010000
165	12	46	20.	20.1100001000001000
165	12	46	21.	21.1100001000000000
165	12	46	22.	22.0100001000000000
165	12	46	23.	23.1100001000000000
165	12	46	24.	24.1100000111001000
165	12	46	25.	25.1100000111000000
165	12	46	26.	26.0100000111000000
165	12	46	27.	27.1100000110111000
165	12	46	29.	29.0100000110110000
165	12	46	30.	30.1100000110101000
165	12	46	31.	31.1100000110100000
165	12	46	32.	32.1100000110011000
165	12	46	34.	34.0100000110010000
165	12	46	35.	35.1100000110001000
165	12	46	37.	37.1100000110000000
165	12	46	38.	38.1100000101001000
165	12	46	39.	39.0100000101000000
165	12	46	40.	40.1100000100111000
165	12	46	42.	42.1100000100110000
165	12	46	43.	43.0100000100110000
165	12	46	44.	44.1100000100101000
165	12	46	45.	45.1100000100100000
165	12	46	46.	46.1100000100011000
165	12	46	47.	47.0100000100011000
165	12	46	48.	48.1100000100010000
165	12	46	50.	50.1100000100001000
165	12	46	51.	51.0100000100000000
165	12	46	52.	52.1100000011000000
165	12	46	53.	53.1100000011000000
165	12	46	54.	54.1100000011001000
165	12	46	55.	55.0100000011000000
165	12	46	56.	56.1100000010111000
165	12	46	57.	57.0100000010111000
165	12	46	58.	58.1100000010110000
165	12	46	59.	59.0100000010110000
165	12	47	0.	0.1100000010101000
165	12	47	1.	1.1100000010100000
165	12	47	2.	2.1100000010011000
165	12	47	3.	3.0100000010001000

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE

HAROLD B VANWIE PROJECT NO. 4205

XP1004 DDD HH MM SS	DATA	XP1004 DDD HH MM SS	DATA	XP1004 DDD HH MM SS	DATA	XP1004 DDD HH MM SS	DATA
165 12 47	4.1100000010010000	165 12 48	4.0011101110110000	165 12 49	3.1011100110110000	165 12 50	0.0011100000010000
165 12 47	6.0100000010000000	165 12 48	5.0011101110101000	165 12 49	4.0011100111000000	165 12 50	1.0011100000001000
165 12 47	7.0100000010001000	165 12 48	6.1011101110100000	165 12 49	5.1011100110111000	165 12 50	2.1011100000000000
165 12 47	8.1100000001001000	165 12 48	7.0011101110011000	165 12 49	6.0011100110101000	165 12 50	3.1011010011001000
165 12 47	9.1100000001000000	165 12 48	8.1011101110010000	165 12 49	7.1011100110110000	165 12 50	5.0011100000000000
165 12 47	10.0100000001000000	165 12 48	10.1011101110000000	165 12 49	8.0011100110100000	165 12 50	6.1011010011001000
165 12 47	11.1100000000111000	165 12 48	11.0011101110000000	165 12 49	9.1011100110011000	165 12 50	7.1011010011000000
165 12 47	13.1100000000110000	165 12 48	12.1011101101001000	165 12 49	11.1011100110010000	165 12 50	8.1011010010111000
165 12 47	14.1100000000101000	165 12 48	14.1011101101000000	165 12 49	12.0011100110010000	165 12 50	9.0011010010111000
165 12 47	15.0100000000101000	165 12 48	16.0011101100111000	165 12 49	13.1011100110010000	165 12 50	10.1011010010110000
165 12 47	16.1100000000100000	165 12 48	17.1011101100110000	165 12 49	14.1011100110001000	165 12 50	11.1011010010101600
165 12 47	17.1100000000011000	165 12 48	18.1011101100101000	165 12 49	15.0011100101000000	165 12 50	12.1011010010100000
165 12 47	18.1100000000100000	165 12 48	19.1011101100100000	165 12 49	16.1011100101001000	165 12 50	13.0011010010011000
165 12 47	19.0100000000010000	165 12 48	20.0011101100100000	165 12 49	17.0011100110000000	165 12 50	14.0011010010001000
165 12 47	20.1100000000001000	165 12 48	21.1011101100011000	165 12 49	18.1011100101001000	165 12 50	15.1011010010000000
165 12 47	22.1100000000000000	165 12 48	22.1011101100010000	165 12 49	19.1011100101000000	165 12 50	16.1011010010011000
165 12 47	23.0011110011001000	165 12 48	23.1011101100001000	165 12 49	20.0011100101001000	165 12 50	17.1011010010001000
165 12 47	24.1011110011001000	165 12 48	24.1011101011000000	165 12 49	21.0011100100111000	165 12 50	18.0011010010001000
165 12 47	25.1100000000000000	165 12 48	25.1011101100000000	165 12 49	22.1011100100110000	165 12 50	19.1011010010000000
165 12 47	26.1011110010111000	165 12 48	26.1011101011001000	165 12 49	23.1011100100101000	165 12 50	20.1011010001001000
165 12 47	27.0011110010111000	165 12 48	27.1011101100000000	165 12 49	24.0011100100101000	165 12 50	21.1011010001000000
165 12 47	28.1011110011000000	165 12 48	28.0011101011001000	165 12 49	25.0011100100011000	165 12 50	22.0011010000111000
165 12 47	30.1011110010111000	165 12 48	29.1011101011000000	165 12 49	26.1011100100100000	165 12 50	23.1011010000110000
165 12 47	31.0011110010111000	165 12 48	31.1011101010111000	165 12 49	27.1011100100010000	165 12 50	25.1011010000011000
165 12 47	32.1011110010101000	165 12 48	32.0011101011000000	165 12 49	28.0011100100010000	165 12 50	26.0011010000101000
165 12 47	33.1011110010100000	165 12 48	33.0011101010111000	165 12 49	30.1011100100000000	165 12 50	27.1011010000100000
165 12 47	35.1011110010011000	165 12 48	34.1011101010110000	165 12 49	32.0011100011001000	165 12 50	28.1011010000011000
165 12 47	36.1011110010010000	165 12 48	35.0011101010110000	165 12 49	33.1011100011000000	165 12 50	29.1011010000100000
165 12 47	38.1011110010000000	165 12 48	36.0011101010101000	165 12 49	34.1011100011001000	165 12 50	30.1011010000011000
165 12 47	39.0011110010000000	165 12 48	37.1011101010011000	165 12 49	35.1011100011000000	165 12 50	31.1011010000001000
165 12 47	40.1011110010000000	165 12 48	39.0011101010010000	185 12 49	36.0011100011000000	165 12 50	34.0011010000000000
165 12 47	41.1011110001001000	165 12 48	41.1011101010001000	165 12 49	37.0011100010111000	165 12 50	35.1011010000000000
165 12 47	43.0011110000111000	165 12 48	42.0011101001001000	165 12 49	38.1011100010110000	165 12 50	36.1011001111001000
165 12 47	44.0011110001000000	165 12 48	43.1011101001001000	165 12 49	39.1011100010101000	165 12 50	37.0011010000000000
165 12 47	45.1011110001000000	165 12 48	44.0011101001001000	165 12 49	40.1011100010100000	165 12 50	38.0011001111001000
165 12 47	46.1011110000111000	165 12 48	45.1011101001000000	165 12 49	41.0011100010100000	165 12 50	39.1011001111001000
165 12 47	47.0011110000110000	165 12 48	47.1011101000110000	165 12 49	42.1011100010100000	165 12 50	40.1011001111000000
165 12 47	48.0011110000101000	165 12 48	48.0011101000110000	165 12 49	43.0011100010011000	165 12 50	41.1011001110111000
165 12 47	49.1011110000100000	165 12 48	49.1011101000101000	165 12 49	45.0011100010001000	165 12 50	42.0011001110111000
165 12 47	51.1011110000011000	165 12 48	50.0011101000101000	165 12 49	46.1011100010000000	165 12 50	43.1011001110100000
165 12 47	52.0011110000011000	165 12 48	51.1011101000100000	165 12 49	48.1011100001001000	165 12 50	44.1011001110011000
165 12 47	53.1011110000011000	165 12 48	52.0011101000011000	165 12 49	49.0011100001000000	165 12 50	45.0011001110011000
165 12 47	54.1011101111001000	165 12 48	53.1011101000011000	165 12 49	50.1011100001000000	165 12 50	46.0011001110100000
165 12 47	55.1011110000000000	165 12 48	55.1011101000010000	165 12 49	51.1011100000111000	165 12 50	47.1011001110011000
165 12 47	56.0011101111001000	165 12 48	56.1011101000001000	165 12 49	52.0011100000110000	165 12 50	49.1011001110010000
165 12 47	57.1011101111001000	165 12 48	57.1011101000000000	165 12 49	53.0011100000111000	165 12 50	50.0011001110010000
165 12 47	59.1011101111000000	165 12 48	58.0011100111001000	165 12 49	54.1011100000101000	165 12 50	51.1011001110001000
165 12 48	0.0011101111000000	165 12 48	59.1011101000000000	165 12 49	56.1011100000100000	165 12 50	52.1011001110000000
165 12 48	1.1011101111000000	165 12 49	0.0011100110111000	165 12 49	57.0011100000100000	165 12 50	53.0011001110000000
165 12 48	2.1011101110110000	165 12 49	1.1011100110111000	165 12 49	58.1011100000100000	165 12 50	54.0011001101001000
165 12 48	3.0011101110101000	165 12 49	2.1011100111000000	165 12 49	59.1011100000001000	165 12 50	55.1011001101001000

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE

HAROLD B VANWIE PROJECT NO. 4205

XP1004 DDD HH MM SS	DATA	XP1004 DDD HH MM SS	DATA	XP1004 DDD HH MM SS	DATA	XP1004 DDD HH MM SS	DATA
165 12 50 57.	1011001100111000	165 12 52 2.	1011000110000000	165 12 53 1.	1010110011001000	165 12 54 9.	1010101100000000
165 12 50 58.	0011001101000000	165 12 52 3.	0011000101001000	165 12 53 3.	1010110011000000	165 12 54 10.	0010101011001000
165 12 50 59.	1010011001110000	165 12 52 4.	1011000100111000	165 12 53 4.	1010110010111000	165 12 54 11.	1010101011001000
165 12 51 1.	1011001100101000	165 12 52 5.	1011000100101000	165 12 53 7.	1010110010110000	165 12 54 13.	1010101011000000
165 12 51 3.	1011001100100000	165 12 52 6.	1011000100110000	165 12 53 8.	0010110010101000	165 12 54 16.	1010101010111000
165 12 51 5.	1011001100011000	165 12 52 7.	0011000100111000	165 12 53 9.	0010110010100000	165 12 54 17.	1010101010110000
165 12 51 6.	0011001100011000	165 12 52 8.	0011000100110000	165 12 53 10.	1010110010100000	165 12 54 18.	0010101010110000
165 12 51 7.	1011001100010000	165 12 52 9.	1011000100110000	165 12 53 11.	1010110010011000	165 12 54 19.	1010101010101000
165 12 51 8.	1011001100001000	165 12 52 10.	1011000100101000	165 12 53 13.	0010110010010000	165 12 54 21.	0010101010101000
165 12 51 9.	1011001100000000	165 12 52 11.	0011000100100000	165 12 53 14.	0010110001000000	165 12 54 22.	1010101010011000
165 12 51 10.	0011001011001000	165 12 52 13.	1011000100100000	165 12 53 15.	1010110010000000	165 12 54 25.	0010101010010000
165 12 51 11.	1011001011001000	165 12 52 14.	1011000100011000	165 12 53 18.	1010110000101000	165 12 54 26.	0010101010001000
165 12 51 12.	1011001010111000	165 12 52 15.	0011000100011000	165 12 53 20.	1010110001000000	165 12 54 27.	1010101010001000
165 12 51 13.	1011001011000000	165 12 52 16.	0011000100001000	165 12 53 21.	0010110001000000	165 12 54 28.	1010101010000000
165 12 51 14.	0011001011000000	165 12 52 17.	1011000100001000	165 12 53 23.	1010110000111000	165 12 54 29.	0010101010000000
165 12 51 15.	0011001010111000	165 12 52 18.	1011000100000000	165 12 53 23.	1010110000110000	165 12 54 30.	1010101001001000
165 12 51 16.	1011001010111000	165 12 52 19.	1011000011001000	165 12 53 25.	0010110000101000	165 12 54 33.	1010101001000000
165 12 51 18.	1011001010101000	165 12 52 20.	0011000100000000	165 12 53 26.	1010110000100000	165 12 54 34.	0010101000111000
165 12 51 21.	1011001010100000	165 12 52 21.	1011000011001000	165 12 53 28.	1010110000011000	165 12 54 35.	1010101000110000
165 12 51 22.	1011001010011000	165 12 52 22.	1011000011000000	165 12 53 29.	0010110000011000	165 12 54 36.	1010101000111000
165 12 51 23.	0011001010010000	165 12 52 24.	0011000010110000	165 12 53 30.	0010110000010000	165 12 54 37.	1010101000110000
165 12 51 25.	1011001010001000	165 12 52 26.	1011000010100000	165 12 53 31.	0010110000001000	165 12 54 38.	0010101000101000
165 12 51 26.	1011001010000000	165 12 52 28.	0011000010110000	165 12 53 32.	1010110000000000	165 12 54 39.	1010101000100000
165 12 51 27.	1011001001001000	165 12 52 29.	1011000010101000	165 12 53 33.	0010110000000000	165 12 54 42.	0010101000011000
165 12 51 29.	1011001001000000	165 12 52 30.	1011000010100000	165 12 53 35.	1010110000000000	165 12 54 43.	1010101000011000
165 12 51 31.	0011001000111000	165 12 52 31.	0011000010100000	165 12 53 36.	1010101111001000	165 12 54 44.	1010101000010000
165 12 51 32.	0011001000110000	165 12 52 32.	0011000010011000	165 12 53 37.	0010101111001000	165 12 54 45.	1010101000001000
165 12 51 33.	1011001000110000	165 12 52 33.	1011000010010000	165 12 53 38.	0010101111000000	165 12 54 46.	0010101000001000
165 12 51 35.	1011001000101000	165 12 52 34.	0011000010010000	165 12 53 39.	1010101110111000	165 12 54 47.	1010101000000000
165 12 51 36.	0011001000100000	165 12 52 35.	1011000010001000	165 12 53 41.	1010101110110000	165 12 54 48.	1010100111000000
165 12 51 37.	1011001000011000	165 12 52 36.	0011000010001000	165 12 53 42.	0010101110110000	165 12 54 49.	1010100111001000
165 12 51 40.	0011001000010000	165 12 52 37.	1011000010000000	165 12 53 43.	1010101110101000	165 12 54 50.	0010100111001000
165 12 51 41.	1011001000010000	165 12 52 38.	1011000001001000	165 12 53 45.	0010101110101000	165 12 54 51.	1010100111001000
165 12 51 42.	1011001000001000	165 12 52 40.	0011000001000000	165 12 53 46.	0010101110100000	165 12 54 53.	0010100110101000
165 12 51 43.	0011001000001000	165 12 52 41.	1011000000111000	165 12 53 47.	1010101110011000	165 12 54 54.	0010100110111000
165 12 51 44.	1011001000000000	165 12 52 42.	0011000000111000	165 12 53 49.	1010101110010000	165 12 54 55.	1010100110110000
165 12 51 45.	1011000111000000	165 12 52 43.	1011000000110000	165 12 53 50.	1010101110001000	165 12 54 56.	0010100110101000
165 12 51 46.	1011000111001000	165 12 52 44.	0011000000110000	165 12 53 52.	0010101101001000	165 12 54 57.	1010100110101000
165 12 51 47.	1011000111000000	165 12 52 45.	1011000000010000	165 12 53 53.	0010101110000000	165 12 54 58.	0010100110100000
165 12 51 48.	0011000111000000	165 12 52 46.	1011000000001000	165 12 53 54.	1010101101001000	165 12 55 0.	1010100110011000
165 12 51 49.	1011000111000000	165 12 52 47.	1011000000001000	165 12 53 57.	1010101101000000	165 12 55 2.	0010100110011000
165 12 51 50.	1011000110110000	165 12 52 48.	1011000000001000	165 12 53 58.	0010101101000000	165 12 55 3.	1010100110001000
165 12 51 51.	0011000110110000	165 12 52 49.	1011000000000000	165 12 53 59.	1010101100111000	165 12 55 4.	0010100110001000
165 12 51 52.	1011000110101000	165 12 52 51.	0011000000000000	165 12 54 1.	0010101100110000	165 12 55 5.	1010100110001000
165 12 51 53.	1011000110100000	165 12 52 52.	0011000000001000	165 12 54 2.	0010101100101000	165 12 55 6.	0010100101001000
165 12 51 55.	0011000110011000	165 12 52 53.	1011000000001000	165 12 54 3.	1010101100011000	165 12 55 7.	1010100101001000
165 12 51 57.	1011000110010000	165 12 52 55.	0011000000010000	165 12 54 4.	1010101100100000	165 12 55 8.	1010100101000000
165 12 51 58.	1011000110001000	165 12 52 56.	0011000000001000	165 12 54 5.	1010101100011000	165 12 55 10.	0010100101000000
165 12 51 59.	0011000110001000	165 12 52 58.	1011000000000000	165 12 54 6.	0010101100011000	165 12 55 11.	1010100100111000
165 12 52 0.	1011000110000000	165 12 52 59.	1010110011001000	165 12 54 7.	1010101100000000	165 12 55 13.	0010100100110000
165 12 52 1.	0011000101001000	165 12 53 0.	0011000000000000	165 12 54 8.	1010101011001000	165 12 55 15.	1010100100101000

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

XP1004

DDD	HH	MM	SS	DATA
165	12	55	17.	1010100100100000
165	12	55	18.	0010100100100000
165	12	55	19.	0010100100011000
165	12	55	20.	1010100100011000
165	12	55	21.	0010100100010000
165	12	55	22.	1010100100011000
165	12	55	23.	0010100100011000
165	12	55	24.	1010101101001000
165	12	55	25.	1010000000100000
165	12	55	26.	1011000110101000
165	12	55	27.	1011001100011000
165	12	55	28.	1011010001000000
165	12	55	29.	1011100011000000
165	12	55	30.	0011101001001000
165	12	55	31.	1011111000000001000
165	12	55	32.	1100000001001000
165	12	55	33.	1100000110111000
165	12	55	34.	1100001100010000
165	12	55	35.	0100001000101000
165	12	55	36.	1100000100110000
165	12	55	37.	1100000010111000
165	12	55	38.	1100000010001000
165	12	55	39.	0100000000110000
165	12	55	40.	0100000000000000
165	12	55	41.	1011111001011000
165	12	55	42.	1011110010100000
165	12	55	43.	0011110010000000
165	12	55	44.	1011110000101000
165	12	55	45.	1011110000010000
165	12	55	46.	1011101111001000
165	12	55	47.	0011101111000000
165	12	55	48.	1011101110011000
165	12	55	49.	0011101110000000
165	12	55	50.	1011101101000000
165	12	55	51.	0011101100110000
165	12	55	52.	0011101100011000
165	12	55	53.	0011101100000000
165	12	55	54.	0011101010100000
165	12	55	55.	0011101010001000
165	12	55	56.	1011101001001000
165	12	55	57.	1011101000110000
165	12	55	58.	0011101000011000
165	12	55	59.	1011100111001000
165	12	56	1.	1011100110110000

DH0005

DDD	HH	MM	SS	DATA
165	12	44	2.	275.2
165	12	44	14.	274.1
165	12	44	56.	273.0
165	12	45	32.	271.9

DH0005

DDD	HH	MM	SS	DATA
165	12	46	5.	270.9
165	12	46	47.	269.8
165	12	47	29.	268.7
165	12	48	17.	267.7
165	12	48	56.	266.6
165	12	49	44.	265.5
165	12	50	32.	264.4
165	12	52	5.	263.3
165	12	52	59.	262.3
165	12	53	53.	261.2
165	12	54	47.	260.1
165	12	55	38.	259.0
165	12	55	53.	.5L

DT0001

DDD	HH	MM	SS	DATA
165	12	44	2.	187.8
165	12	44	26.	186.7
165	12	45	50.	185.5
165	12	47	5.	184.4
165	12	48	59.	183.1
165	12	50	59.	184.4
165	12	51	5.	186.5
165	12	51	11.	188.6
165	12	51	17.	190.6
165	12	51	23.	192.7
165	12	51	29.	194.9
165	12	51	35.	196.7
165	12	51	41.	198.5
165	12	51	47.	200.3
165	12	51	53.	201.9
165	12	51	59.	203.5
165	12	52	5.	205.1
165	12	52	11.	206.5
165	12	52	17.	208.1
165	12	52	23.	209.6
165	12	52	29.	211.1
165	12	52	35.	212.4
165	12	52	41.	213.7
165	12	52	47.	215.1
165	12	52	53.	216.4
165	12	52	59.	217.6
165	12	53	5.	218.8
165	12	53	11.	220.1
165	12	53	17.	221.3
165	12	53	23.	222.5
165	12	53	29.	223.8
165	12	53	38.	225.4
165	12	53	44.	226.6
165	12	53	53.	228.2
165	12	53	59.	229.3

DT0001

DDD	HH	MM	SS	DATA
165	12	54	5.	230.4
165	12	54	11.	231.6
165	12	54	17.	232.7
165	12	54	26.	234.2
165	12	54	32.	235.3
165	12	54	41.	236.9
165	12	54	50.	238.4
165	12	54	56.	239.5
165	12	55	5.	240.9
165	12	55	14.	242.3
165	12	55	20.	243.5
165	12	55	38.	244.7
165	12	55	47.	246.1
165	12	55	56.	247.4

FN0009

DDD	HH	MM	SS	DATA
165	12	44	2.	119.75
165	12	48	56.	121.13
165	12	50	2.	122.41
165	12	55	29.	120.47
165	12	55	32.	116.92
165	12	55	35.	112.90
165	12	55	38.	107.39
165	12	55	41.	104.21
165	12	55	44.	102.06
165	12	55	47.	100.48
165	12	55	53.	104.78
165	12	55	56.	108.90
165	12	55	59.	112.74

HT3213

DDD	HH	MM	SS	DATA
165	12	44	2.	.00
165	12	47	5.	.52
165	12	47	8.	.58
165	12	50	53.	1.35
165	12	50	56.	4.13
165	12	50	59.	4.16
165	12	51	2.	4.17
165	12	51	5.	4.18
165	12	51	8.	4.19
165	12	51	11.	4.20
165	12	51	14.	4.20
165	12	51	17.	4.21
165	12	51	20.	4.22
165	12	51	23.	4.22
165	12	51	26.	4.23
165	12	51	29.	4.23
165	12	51	32.	4.24
165	12	51	35.	4.24

HT3213

DDD	HH	MM	SS	DATA
165	12	51	38.	4.25
165	12	51	41.	4.25
165	12	51	44.	4.25
165	12	51	47.	4.26
165	12	51	50.	4.26
165	12	51	53.	4.27
165	12	51	56.	4.27
165	12	51	59.	4.28
165	12	52	2.	4.28
165	12	52	5.	4.28
165	12	52	8.	4.29
165	12	52	11.	4.30
165	12	52	14.	4.30
165	12	52	17.	4.31
165	12	52	20.	4.31
165	12	52	23.	4.31
165	12	52	26.	4.32
165	12	52	29.	4.32
165	12	52	32.	4.32
165	12	52	35.	4.33
165	12	52	38.	4.33
165	12	52	41.	4.33
165	12	52	44.	4.34
165	12	52	47.	4.34
165	12	52	50.	4.34
165	12	52	53.	4.35
165	12	52	56.	4.35
165	12	52	59.	4.35
165	12	53	2.	4.36
165	12	53	5.	4.36
165	12	53	8.	4.36
165	12	53	11.	4.37
165	12	53	14.	4.37
165	12	53	17.	4.38
165	12	53	20.	4.38
165	12	53	23.	4.39
165	12	53	26.	4.39
165	12	53	29.	4.40
165	12	53	32.	4.40
165	12	53	35.	4.40
165	12	53	38.	4.40
165	12	53	41.	4.41
165	12	53	44.	4.41
165	12	53	47.	4.41
165	12	53	50.	4.42
165	12	53	53.	4.42
165	12	53	56.	4.42
165	12	53	59.	4.43
165	12	54	2.	4.43
165	12	54	5.	4.43
165	12	54	8.	4.44

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

HT32:3					DT0004					FW1008					FW1008				
DDD	HH	MM	SS	DATA	DDD	HH	MM	SS	DATA	DDD	HH	MM	SS	DATA	DDD	HH	MM	SS	DATA
165	12	54	11.	4.44	165	12	53	35.	251.2	165	12	47	8.	31.9	165	12	51	59.	31.5
165	12	54	14.	4.44	165	12	53	47.	252.5	165	12	47	11.	31.7	165	12	52	5.	31.7
165	12	54	17.	4.44	165	12	53	59.	253.8	165	12	47	14.	31.5	165	12	52	8.	31.5
165	12	54	20.	4.45	165	12	54	11.	255.0	165	12	47	20.	31.2	165	12	52	14.	31.7
165	12	54	23.	4.45	165	12	54	20.	256.1	165	12	47	23.	31.7	165	12	52	20.	31.4
165	12	54	26.	4.45	165	12	54	32.	257.5	165	12	47	29.	31.9	165	12	52	23.	31.5
165	12	54	29.	4.46	165	12	54	44.	258.8	165	12	47	35.	32.0	165	12	52	44.	31.4
165	12	54	32.	4.46	165	12	54	53.	260.0	165	12	47	38.	31.7	165	12	52	47.	31.5
165	12	54	35.	4.47	165	12	55	5.	261.4	165	12	47	47.	31.9	165	12	52	50.	31.7
165	12	54	38.	4.47	165	12	55	17.	262.7	165	12	47	53.	31.7	165	12	52	53.	31.5
165	12	54	41.	4.48	165	12	55	26.	263.8	165	12	48	5.	31.9	165	12	52	56.	31.4
165	12	54	44.	4.48	165	12	55	38.	264.9	165	12	48	11.	31.7	165	12	53	2.	31.7
165	12	54	47.	4.48	165	12	55	50.	266.1	165	12	48	14.	31.9	165	12	53	8.	31.5
165	12	54	50.	4.49	165	12	55	59.	267.2	165	12	48	17.	31.7	165	12	53	11.	31.4
165	12	54	53.	4.49						165	12	48	23.	31.9	165	12	53	14.	31.5
165	12	54	56.	4.49	FW1008					165	12	48	26.	31.5	165	12	53	17.	31.7
165	12	54	59.	4.49	DDD	HH	MM	SS	DATA	165	12	48	32.	31.7	165	12	53	20.	31.4
165	12	55	2.	4.50	165	12	44	2.	31.5	165	12	48	35.	31.5	165	12	53	29.	31.7
165	12	55	5.	4.50	165	12	44	14.	31.7	165	12	48	41.	31.7	165	12	53	32.	31.5
165	12	55	8.	4.50	165	12	44	20.	31.5	165	12	49	2.	31.5	165	12	53	35.	31.7
165	12	55	11.	4.51	165	12	44	23.	31.7	165	12	49	8.	31.7	165	12	53	38.	31.4
165	12	55	14.	4.51	165	12	44	41.	31.5	165	12	49	11.	31.5	165	12	53	41.	31.5
165	12	55	17.	4.51	165	12	44	47.	31.7	165	12	49	14.	31.7	165	12	53	47.	31.7
165	12	55	20.	4.51	165	12	44	50.	31.4	165	12	49	17.	31.5	165	12	53	50.	31.4
165	12	55	23.	4.52	165	12	44	53.	31.5	165	12	49	32.	31.7	165	12	53	53.	31.7
165	12	55	26.	4.52	165	12	44	56.	31.7	165	12	49	41.	31.5	165	12	54	14.	31.5
165	12	55	35.	4.52	165	12	44	59.	31.4	165	12	49	47.	31.7	165	12	54	17.	31.7
165	12	55	38.	4.52	165	12	45	2.	31.7	165	12	49	56.	31.5	165	12	54	20.	31.5
165	12	55	41.	4.53	165	12	45	8.	31.5	165	12	49	59.	31.7	165	12	54	23.	31.7
165	12	55	47.	4.53	165	12	45	17.	31.4	165	12	50	8.	31.5	165	12	54	32.	31.5
165	12	55	50.	4.53	165	12	45	20.	31.7	165	12	50	14.	31.4	165	12	54	35.	31.7
165	12	55	53.	4.54	165	12	45	23.	31.5	165	12	50	17.	31.5	165	12	54	41.	31.4
165	12	55	59.	4.54	165	12	45	26.	31.7	165	12	50	20.	31.7	165	12	54	44.	31.7
					165	12	45	35.	31.5	165	12	50	32.	31.5	165	12	54	50.	31.4
DT0004					165	12	45	41.	31.9	165	12	50	35.	31.7	165	12	54	56.	31.7
DDD	HH	MM	SS	DATA	165	12	45	44.	31.7	165	12	50	38.	31.5	165	12	54	59.	31.5
165	12	44	2.	250.5	165	12	45	47.	31.5	165	12	50	47.	31.7	165	12	55	5.	31.7
165	12	45	8.	248.3	165	12	45	50.	31.4	165	12	50	50.	31.5	165	12	55	11.	31.5
165	12	45	56.	247.2	165	12	45	53.	31.5	165	12	50	53.	31.7	165	12	55	14.	31.7
165	12	46	44.	246.1	165	12	46	2.	31.4	165	12	50	59.	31.5	165	12	55	17.	31.5
165	12	47	38.	245.0	165	12	46	5.	31.7	165	12	51	2.	31.7	165	12	55	23.	31.7
165	12	48	29.	243.9	165	12	46	8.	31.5	165	12	51	5.	31.5	165	12	55	26.	33.0
165	12	49	20.	242.8	165	12	46	11.	31.7	165	12	51	8.	31.7	165	12	55	29.	35.0
165	12	50	14.	241.7	165	12	46	17.	31.5	165	12	51	17.	31.5	165	12	55	32.	34.0
165	12	51	56.	242.8	165	12	46	23.	31.7	165	12	51	20.	31.7	165	12	55	35.	33.3
165	12	52	17.	244.1	165	12	46	29.	31.5	165	12	51	23.	31.5	165	12	55	38.	36.9
165	12	52	32.	245.3	165	12	46	32.	31.7	165	12	51	35.	31.7	165	12	55	41.	36.3
165	12	52	47.	246.5	165	12	46	38.	31.5	165	12	51	38.	31.5	165	12	55	44.	35.6
165	12	52	59.	247.7	165	12	46	53.	31.7	165	12	51	44.	31.7	165	12	55	47.	31.7
165	12	53	11.	248.7	165	12	46	56.	31.5	165	12	51	50.	31.5	165	12	55	50.	32.0
165	12	53	23.	249.9	165	12	47	5.	31.7	165	12	51	53.	31.7	165	12	55	53.	31.7

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

FW1008

DDD	HH	MM	SS	DATA
165	12	55	59.	31.4

FR0007

DDD	HH	MM	SS	DATA
165	12	44	2.	120.59
165	12	44	20.	120.75
165	12	48	43.	120.91
165	12	48	46.	121.11
165	12	48	48.	121.27
165	12	48	51.	121.46
165	12	48	53.	121.62
165	12	48	56.	121.82
165	12	48	59.	121.98
165	12	49	2.	122.14
165	12	49	6.	122.33
165	12	49	11.	122.49
165	12	49	16.	122.65
165	12	49	22.	122.81
165	12	49	30.	122.97
165	12	49	46.	123.13
165	12	50	44.	123.32
165	12	50	57.	123.48
165	12	51	0.	123.64
165	12	51	24.	123.48
165	12	51	41.	123.32
165	12	52	53.	123.17
165	12	53	1.	123.01
165	12	53	11.	122.85
165	12	53	51.	122.69
165	12	55	28.	122.45
165	12	55	29.	121.86
165	12	55	30.	121.03
165	12	55	31.	119.92
165	12	55	32.	118.93
165	12	55	33.	117.82
165	12	55	34.	116.59
165	12	55	35.	115.21
165	12	55	36.	113.58
165	12	55	37.	112.00
165	12	55	38.	110.34
165	12	55	39.	108.60
165	12	55	40.	107.05
165	12	55	41.	106.30
165	12	55	42.	105.59
165	12	55	43.	104.84
165	12	55	44.	103.96
165	12	55	45.	103.33
165	12	55	46.	102.66
165	12	55	47.	102.10
165	12	55	48.	101.83
165	12	55	50.	102.06

FN0007

DDD	HH	MM	SS	DATA
165	12	55	51.	102.66
165	12	55	52.	103.45
165	12	55	53.	104.68
165	12	55	54.	105.79
165	12	55	55.	107.01
165	12	55	56.	108.36
165	12	55	57.	109.67
165	12	55	58.	111.13
165	12	55	59.	112.16
165	12	56	1.	113.35

FW1005

DDD	HH	MM	SS	DATA
165	12	44	2.	32.0
165	12	45	41.	32.2
165	12	45	47.	32.0
165	12	45	50.	31.8
165	12	46	2.	32.0
165	12	47	20.	31.7
165	12	47	23.	32.0
165	12	47	26.	32.2
165	12	47	44.	32.3
165	12	47	47.	32.2
165	12	48	44.	32.0
165	12	48	50.	32.2
165	12	48	53.	32.0
165	12	48	59.	32.2
165	12	49	11.	32.0
165	12	49	14.	32.2
165	12	49	17.	32.0
165	12	49	20.	32.2
165	12	49	26.	32.0
165	12	49	32.	32.2
165	12	49	35.	32.0
165	12	50	2.	32.2
165	12	50	5.	32.0
165	12	50	20.	32.2
165	12	50	23.	32.0
165	12	55	23.	30.5
165	12	55	26.	32.8
165	12	55	29.	34.5
165	12	55	32.	34.6
165	12	55	35.	34.8
165	12	55	38.	37.4
165	12	55	41.	36.9
165	12	55	44.	36.1
165	12	55	47.	32.2
165	12	55	50.	32.3
165	12	55	56.	32.2

FW1005

DDD	HH	MM	SS	DATA
165	12	55	59.	31.8

EH0010

DDD	HH	MM	SS	DATA
165	12	44	2.	118.93
165	12	48	48.	120.41
165	12	50	48.	121.80
165	12	55	28.	108.12
165	12	55	38.	104.31
165	12	55	48.	116.72
165	12	55	58.	119.18

FN0008

DDD	HH	MM	SS	DATA
165	12	44	2.	120.63
165	12	48	40.	120.79
165	12	48	44.	120.99
165	12	48	47.	121.15
165	12	48	49.	121.30
165	12	48	51.	121.46
165	12	48	54.	121.68
165	12	48	56.	121.82
165	12	48	59.	121.98
165	12	49	2.	122.14
165	12	49	5.	122.29
165	12	49	9.	122.45
165	12	49	14.	122.61
165	12	49	19.	122.77
165	12	49	25.	122.93
165	12	49	35.	123.09
165	12	49	57.	123.24
165	12	50	49.	123.40
165	12	50	59.	123.56
165	12	51	11.	123.72
165	12	51	24.	123.56
165	12	51	41.	123.40
165	12	52	53.	123.24
165	12	53	2.	123.09
165	12	53	13.	122.93
165	12	53	45.	122.77
165	12	55	29.	122.33
165	12	55	30.	121.70
165	12	55	31.	120.79
165	12	55	32.	119.92
165	12	55	33.	118.93
165	12	55	34.	117.80
165	12	55	35.	116.63
165	12	55	36.	115.21
165	12	55	37.	113.78
165	12	55	38.	112.24
165	12	55	39.	110.54

FN0008

DDD	HH	MM	SS	DATA
165	12	55	40.	108.79
165	12	55	41.	107.92
165	12	55	42.	107.01
165	12	55	43.	105.18
165	12	55	44.	105.27
165	12	55	45.	104.60
165	12	55	46.	103.85
165	12	55	47.	103.13
165	12	55	48.	102.62
165	12	55	49.	102.26
165	12	55	51.	102.50
165	12	55	52.	102.97
165	12	55	53.	103.85
165	12	55	54.	104.76
165	12	55	55.	105.83
165	12	55	56.	107.01
165	12	55	57.	108.24
165	12	55	58.	109.67
165	12	55	59.	110.66
165	12	56	1.	111.88

FN1003

DDD	HH	MM	SS	DATA
165	12	44	2.	12.4
165	12	44	11.	12.3
165	12	44	14.	12.5
165	12	44	17.	12.7
165	12	44	20.	12.6
165	12	44	23.	12.3
165	12	44	29.	12.2
165	12	44	41.	12.7
165	12	44	44.	12.5
165	12	44	47.	12.3
165	12	44	50.	12.3
165	12	44	53.	12.4
165	12	44	58.	12.5
165	12	44	59.	12.2
165	12	45	2.	12.4
165	12	45	5.	12.3
165	12	45	8.	12.5
165	12	45	11.	12.7
165	12	45	14.	12.2
165	12	45	17.	12.5
165	12	45	20.	12.1
165	12	45	23.	12.2
165	12	45	26.	12.3
165	12	45	29.	12.1
165	12	45	32.	12.5
165	12	45	35.	12.6
165	12	45	38.	12.3
165	12	45	41.	12.2

FN1003 DDD HH MM SS	DATA	FN1003 DDD HH MM SS	DATA	FN1003 DDD HH MM SS	DATA	FN1003 DDD HH MM SS	DATA
165 12 45 44.	12.3	165 12 48 20.	11.7	165 12 51 2.	11.6	165 12 53 35.	11.5
165 12 45 47.	12.3	165 12 48 26.	11.7	165 12 51 5.	11.9	165 12 53 38.	11.6
165 12 45 50.	12.4	165 12 48 29.	11.4	165 12 51 8.	11.5	165 12 53 41.	11.3
165 12 45 53.	12.3	165 12 48 32.	11.8	165 12 51 11.	11.5	165 12 53 44.	11.6
165 12 45 56.	12.4	165 12 48 35.	11.5	165 12 51 14.	11.6	165 12 53 47.	11.5
165 12 45 59.	12.6	165 12 48 38.	11.3	165 12 51 17.	11.8	165 12 53 50.	11.6
165 12 46 2.	12.4	165 12 48 41.	11.5	165 12 51 20.	11.7	165 12 53 53.	11.4
165 12 46 5.	12.3	165 12 48 44.	11.3	165 12 51 23.	11.7	165 12 53 56.	11.6
165 12 46 8.	12.3	165 12 48 47.	11.7	165 12 51 26.	11.7	165 12 53 59.	11.8
165 12 46 11.	12.4	165 12 48 50.	11.8	165 12 51 29.	11.6	165 12 54 5.	11.5
165 12 46 14.	12.4	165 12 48 53.	11.4	165 12 51 32.	11.8	165 12 54 8.	11.7
165 12 46 20.	12.2	165 12 48 56.	11.6	165 12 51 35.	11.8	165 12 54 11.	11.9
165 12 46 23.	12.6	165 12 48 59.	11.7	165 12 51 38.	11.7	165 12 54 14.	11.8
165 12 46 26.	12.7	165 12 49 2.	11.5	165 12 51 41.	11.6	165 12 54 17.	11.7
165 12 46 29.	12.3	165 12 49 5.	11.4	165 12 51 44.	11.4	165 12 54 20.	11.6
165 12 46 32.	12.4	165 12 49 8.	11.7	165 12 51 47.	11.5	165 12 54 23.	11.8
165 12 46 35.	12.5	165 12 49 14.	11.3	165 12 51 50.	11.5	165 12 54 26.	11.9
165 12 46 38.	12.4	165 12 49 17.	11.4	165 12 51 53.	11.7	165 12 54 29.	11.6
165 12 46 41.	12.2	165 12 49 20.	11.6	165 12 51 56.	11.7	165 12 54 32.	11.6
165 12 46 44.	12.5	165 12 49 23.	11.4	165 12 51 59.	11.5	165 12 54 35.	11.4
165 12 46 47.	12.4	165 12 49 26.	11.5	165 12 52 2.	11.6	165 12 54 38.	11.7
165 12 46 50.	12.6	165 12 49 29.	11.6	165 12 52 5.	11.8	165 12 54 41.	11.5
165 12 46 53.	12.5	165 12 49 32.	11.8	165 12 52 8.	11.6	165 12 54 44.	11.6
165 12 46 56.	12.5	165 12 49 38.	11.5	165 12 52 11.	11.8	165 12 54 47.	11.4
165 12 46 59.	12.2	165 12 49 41.	11.4	165 12 52 14.	11.6	165 12 54 50.	11.7
165 12 47 2.	12.5	165 12 49 44.	11.7	165 12 52 17.	11.4	165 12 54 53.	11.7
165 12 47 5.	12.6	165 12 49 47.	11.8	165 12 52 20.	11.4	165 12 54 56.	11.7
165 12 47 8.	12.3	165 12 49 50.	11.5	165 12 52 23.	11.6	165 12 54 59.	11.6
165 12 47 11.	12.5	165 12 49 53.	11.7	165 12 52 26.	11.9	165 12 55 2.	11.5
165 12 47 14.	12.3	165 12 49 56.	11.8	165 12 52 29.	11.7	165 12 55 5.	11.4
165 12 47 17.	11.9	165 12 49 59.	11.4	165 12 52 32.	11.9	165 12 55 8.	11.4
165 12 47 20.	11.6	165 12 50 2.	11.5	165 12 52 35.	11.5	165 12 55 11.	11.7
165 12 47 23.	11.7	165 12 50 5.	11.5	165 12 52 38.	11.7	165 12 55 14.	11.4
165 12 47 26.	12.1	165 12 50 8.	11.6	165 12 52 41.	11.4	165 12 55 17.	11.3
165 12 47 29.	12.1	165 12 50 11.	11.7	165 12 52 44.	11.9	165 12 55 20.	11.6
165 12 47 32.	11.8	165 12 50 14.	11.4	165 12 52 47.	11.6	165 12 55 23.	11.4
165 12 47 35.	11.7	165 12 50 17.	11.4	165 12 52 50.	11.8	165 12 55 26.	11.6
165 12 47 38.	11.9	165 12 50 20.	11.4	165 12 52 53.	11.7	165 12 55 29.	11.3
165 12 47 41.	11.6	165 12 50 23.	11.4	165 12 52 56.	11.6	165 12 55 32.	11.4
165 12 47 44.	11.8	165 12 50 26.	11.5	165 12 52 59.	11.7	165 12 55 35.	11.3
165 12 47 47.	11.8	165 12 50 29.	11.0	165 12 53 2.	11.4	165 12 55 38.	11.8
165 12 47 50.	11.8	165 12 50 32.	11.5	165 12 53 5.	11.5	165 12 55 41.	11.5
165 12 47 53.	11.8	165 12 50 35.	11.0	165 12 53 8.	11.8	165 12 55 44.	11.5
165 12 47 56.	11.4	165 12 50 38.	11.7	165 12 53 11.	11.8	165 12 55 47.	11.8
165 12 47 59.	11.9	165 12 50 41.	11.9	165 12 53 14.	11.6	165 12 55 50.	11.7
165 12 48 2.	11.4	165 12 50 44.	11.8	165 12 53 17.	11.4	165 12 55 53.	11.7
165 12 48 5.	11.4	165 12 50 47.	11.5	165 12 53 20.	11.8	165 12 55 56.	11.7
165 12 48 8.	11.7	165 12 50 50.	11.9	165 12 53 23.	11.5	165 12 55 59.	11.6
165 12 48 11.	11.4	165 12 50 53.	11.5	165 12 53 26.	11.7		
165 12 48 14.	11.1	165 12 50 56.	11.6	165 12 53 29.	11.8		
165 12 48 17.	11.6	165 12 50 59.	11.9	165 12 53 32.	11.3		

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE

HAROLD B VANWIE PROJECT NO. 4205

EH0020

DDD	HH	MM	SS	DATA
165	12	44	2.	118.98
165	12	48	48.	120.52
165	12	50	48.	121.85
165	12	55	28.	107.44
165	12	55	38.	109.21
165	12	55	48.	118.36
165	12	55	58.	119.95

FN0012

DDD	HH	MM	SS	DATA
165	12	44	2.	-2.06
165	12	48	41.	-1.82
165	12	48	47.	-1.58
165	12	48	56.	-1.39
165	12	48	59.	-1.23
165	12	49	2.	-1.03
165	12	49	5.	-.87
165	12	49	11.	-.71
165	12	49	17.	-.55
165	12	49	23.	-.40
165	12	49	29.	-.24
165	12	49	56.	-.08
165	12	50	17.	.12
165	12	50	20.	-.08
165	12	50	23.	-.44
165	12	50	26.	-.63
165	12	50	35.	-.79
165	12	50	41.	-1.07
165	12	50	47.	-.91
165	12	50	50.	-.59
165	12	50	53.	-.28
165	12	50	56.	-.12
165	12	50	59.	.04
165	12	51	5.	.20
165	12	51	14.	.36
165	12	51	29.	.20
165	12	52	14.	.04
165	12	52	26.	.36
165	12	52	29.	.59
165	12	52	32.	.79
165	12	52	35.	.95
165	12	52	41.	1.11
165	12	53	8.	.95
165	12	53	23.	.79
165	12	54	5.	.63
165	12	55	29.	.20
165	12	55	32.	-1.98
165	12	55	35.	-5.19
165	12	55	38.	-9.38
165	12	55	41.	-13.70
165	12	55	44.	-16.55

FN0012

DDD	HH	MM	SS	DATA
165	12	55	47.	-18.77
165	12	55	50.	-19.91
165	12	55	53.	-18.73
165	12	55	56.	-15.92
165	12	55	59.	-12.47

FN0003

DDD	HH	MM	SS	DATA
165	12	44	2.	121.51
165	12	48	26.	121.63
165	12	48	28.	121.76
165	12	48	30.	121.89
165	12	48	32.	122.00
165	12	48	33.	122.15
165	12	48	36.	122.30
165	12	48	38.	122.46
165	12	48	40.	122.61
165	12	48	42.	122.73
165	12	48	44.	122.85
165	12	48	47.	122.97
165	12	48	49.	123.10
165	12	48	53.	123.22
165	12	48	57.	123.34
165	12	49	1.	123.46
165	12	49	5.	123.61
165	12	49	13.	123.74
165	12	49	19.	123.86
165	12	49	28.	123.98
165	12	49	54.	124.10
165	12	50	33.	124.22
165	12	50	39.	124.34
165	12	50	48.	124.47
165	12	51	15.	124.34
165	12	51	48.	124.22
165	12	52	39.	124.10
165	12	52	46.	123.98
165	12	52	53.	123.86
165	12	53	7.	123.74
165	12	55	23.	123.58
165	12	55	24.	123.16
165	12	55	25.	121.88
165	12	55	26.	119.87
165	12	55	27.	117.12
165	12	55	28.	115.24
165	12	55	29.	112.37
165	12	55	30.	109.94
165	12	55	31.	107.80
165	12	55	32.	105.94
165	12	55	33.	104.09
165	12	55	34.	102.05
165	12	55	35.	99.88

FN0003

DDD	HH	MM	SS	DATA
165	12	55	36.	99.27
165	12	55	37.	100.03
165	12	55	38.	102.17
165	12	55	39.	105.12
165	12	55	40.	108.60
165	12	55	41.	110.51
165	12	55	42.	112.49
165	12	55	43.	114.26
165	12	55	44.	115.66
165	12	55	45.	116.55
165	12	55	46.	117.52
165	12	55	47.	118.28
165	12	55	48.	118.89
165	12	55	49.	119.38
165	12	55	50.	119.84
165	12	55	51.	120.17
165	12	55	52.	120.35
165	12	55	53.	120.78
165	12	55	54.	121.05
165	12	55	55.	121.24
165	12	55	56.	121.39
165	12	55	57.	121.63
165	12	55	58.	121.79
165	12	55	59.	121.94

FN0004

DDD	HH	MM	SS	DATA
165	12	44	2.	120.63
165	12	48	26.	120.78
165	12	48	29.	120.93
165	12	48	31.	121.08
165	12	48	33.	121.27
165	12	48	35.	121.42
165	12	48	37.	121.57
165	12	48	39.	121.69
165	12	48	41.	121.84
165	12	48	43.	121.96
165	12	48	46.	122.08
165	12	48	49.	122.23
165	12	48	53.	122.35
165	12	48	56.	122.47
165	12	49	1.	122.59
165	12	49	5.	122.71
165	12	49	10.	122.83
165	12	49	18.	122.95
165	12	49	27.	123.07
165	12	49	47.	123.19
165	12	50	30.	123.31
165	12	50	36.	123.43
165	12	50	43.	123.55
165	12	50	51.	123.68

FN0004

DDD	HH	MM	SS	DATA
165	12	51	8.	123.55
165	12	51	22.	123.43
165	12	52	35.	123.31
165	12	52	42.	123.19
165	12	52	48.	123.07
165	12	52	56.	122.95
165	12	53	15.	122.83
165	12	55	24.	122.47
165	12	55	29.	121.33
165	12	55	26.	119.28
165	12	55	27.	116.18
165	12	55	28.	113.98
165	12	55	29.	111.33
165	12	55	30.	108.83
165	12	55	31.	106.42
165	12	55	32.	104.25
165	12	55	33.	102.50
165	12	55	34.	100.45
165	12	55	35.	98.77
165	12	55	36.	97.68
165	12	55	37.	98.34
165	12	55	38.	100.66
165	12	55	39.	103.92
165	12	55	40.	107.95
165	12	55	41.	110.24
165	12	55	42.	112.56
165	12	55	43.	114.40
165	12	55	44.	115.99
165	12	55	45.	116.81
165	12	55	46.	117.62
165	12	55	47.	118.19
165	12	55	48.	118.77
165	12	55	49.	119.16
165	12	55	50.	119.55
165	12	55	51.	119.79
165	12	55	52.	120.06
165	12	55	53.	120.21
165	12	55	54.	120.36
165	12	55	55.	120.60
165	12	55	56.	120.72
165	12	55	58.	120.96
165	12	56	1.	121.15

EW0021

DDD	HH	MM	SS	DATA
165	12	44	2.	71.
165	12	48	43.	70.
165	12	55	38.	71.

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE

HAROLD B VANWIE PROJECT NO. 4205

EW0016

DDD	HH	MM	SS	DATA
165	12	44	2.	72.
165	12	55	28.	74.
165	12	55	38.	73.

ET0005

DDD	HH	MM	SS	DATA
165	12	44	2.	118.7
165	12	48	58.	120.2
165	12	50	48.	121.4
165	12	55	28.	119.0
165	12	55	38.	105.4
165	12	55	48.	113.4
165	12	55	58.	117.4

FN2002

DDD	HH	MM	SS	DATA
165	12	44	2.	3000.1
165	12	47	23.	3125.5
165	12	47	26.	3151.3
165	12	47	32.	3144.4
165	12	48	14.	3137.5
165	12	48	20.	3146.1
165	12	48	41.	3128.9
165	12	48	50.	3135.8
165	12	48	56.	3128.9
165	12	49	8.	3115.1
165	12	49	14.	3122.0
165	12	49	20.	3130.6
165	12	49	23.	3123.7
165	12	49	32.	3132.4
165	12	49	53.	3125.5
165	12	49	59.	3132.4
165	12	50	5.	3122.0
165	12	50	20.	3128.9
165	12	51	5.	3135.8
165	12	51	14.	3128.9
165	12	51	23.	3135.8
165	12	51	53.	3128.9
165	12	52	2.	3139.2
165	12	52	17.	3146.1
165	12	52	20.	3130.6
165	12	54	8.	3120.3
165	12	54	35.	3106.5
165	12	55	23.	3068.7
165	12	55	26.	3080.7
165	12	55	29.	3065.2
165	12	55	32.	3058.3
165	12	55	35.	3085.9
165	12	55	38.	3106.5
165	12	55	41.	3092.8
165	12	55	44.	3085.9

FN2002

DDD	HH	MM	SS	DATA
165	12	55	50.	3079.0
165	12	55	53.	3087.6

ET0015

DDD	HH	MM	SS	DATA
165	12	44	2.	119.2
165	12	48	58.	120.7
165	12	50	58.	122.0
165	12	55	28.	119.6
165	12	55	38.	106.4
165	12	55	48.	109.3
165	12	55	58.	116.6

FN2005

DDD	HH	MM	SS	DATA
165	12	44	2.	980.6
165	12	44	14.	973.2
165	12	44	20.	968.2
165	12	44	23.	971.5
165	12	44	50.	978.9
165	12	44	53.	972.3
165	12	45	2.	968.2
165	12	45	8.	975.6
165	12	45	14.	978.9
165	12	45	20.	970.7
165	12	45	23.	964.9
165	12	45	26.	970.7
165	12	45	29.	964.9
165	12	45	32.	969.1
165	12	45	38.	976.5
165	12	45	47.	970.7
165	12	45	50.	966.6
165	12	45	53.	962.5
165	12	45	56.	967.4
165	12	46	2.	973.2
165	12	46	5.	977.3
165	12	46	8.	971.5
165	12	46	14.	965.8
165	12	46	17.	974.0
165	12	46	20.	964.1
165	12	46	23.	967.4
165	12	46	32.	974.8
165	12	46	35.	970.7
165	12	46	41.	967.4
165	12	46	47.	971.5
165	12	46	50.	968.2
165	12	46	53.	979.7
165	12	47	2.	969.1
165	12	47	5.	965.8
165	12	47	11.	969.1
165	12	47	14.	975.6

FN2005

DDD	HH	MM	SS	DATA
165	12	47	17.	968.2
165	12	47	20.	974.8
165	12	47	26.	969.1
165	12	47	29.	974.0
165	12	47	35.	978.1
165	12	47	38.	986.3
165	12	47	41.	979.7
165	12	47	47.	983.0
165	12	47	50.	977.3
165	12	47	56.	970.7
165	12	47	59.	974.0
165	12	48	2.	978.9
165	12	48	5.	989.6
165	12	48	11.	981.4
165	12	48	14.	974.0
165	12	48	17.	969.1
165	12	48	20.	985.5
165	12	48	29.	977.3
165	12	48	32.	969.9
165	12	48	35.	949.3
165	12	48	38.	939.4
165	12	48	44.	960.8
165	12	48	50.	954.2
165	12	48	56.	947.7
165	12	48	59.	943.6
165	12	49	5.	954.2
165	12	49	14.	948.5
165	12	49	29.	951.8
165	12	49	56.	946.0
165	12	50	2.	1013.5
165	12	50	5.	886.8
165	12	50	8.	877.7
165	12	50	11.	918.9
165	12	50	14.	926.3
165	12	50	17.	920.5
165	12	50	20.	910.6
165	12	50	23.	904.9
165	12	50	26.	908.2
165	12	50	29.	863.8
165	12	50	32.	970.7
165	12	50	38.	951.8
165	12	50	44.	959.2
165	12	50	47.	951.8
165	12	50	50.	946.8
165	12	50	53.	956.7
165	12	50	56.	952.6
165	12	50	59.	949.3
165	12	51	2.	941.9
165	12	51	5.	948.5
165	12	51	8.	952.6
165	12	51	11.	948.5

FN2005

DDD	HH	MM	SS	DATA
165	12	51	17.	951.8
165	12	51	20.	946.0
165	12	51	23.	952.6
165	12	51	29.	946.0
165	12	51	35.	950.1
165	12	51	38.	946.0
165	12	51	44.	953.4
165	12	51	47.	947.7
165	12	51	50.	955.1
165	12	51	53.	951.8
165	12	51	56.	940.3
165	12	51	59.	946.2
165	12	52	5.	948.5
165	12	52	8.	953.4
165	12	52	11.	997.0
165	12	52	14.	1003.6
165	12	52	17.	999.5
165	12	52	23.	987.2
165	12	52	26.	991.3
165	12	52	29.	999.5
165	12	52	32.	994.6
165	12	52	38.	990.4
165	12	52	44.	993.7
165	12	52	50.	997.0
165	12	52	56.	987.2
165	12	52	59.	990.4
165	12	53	20.	996.2
165	12	53	29.	1001.1
165	12	53	32.	992.9
165	12	53	35.	997.8
165	12	53	38.	991.3
165	12	53	50.	994.6
165	12	53	53.	980.8
165	12	53	56.	993.7
165	12	53	59.	989.6
165	12	54	2.	997.0
165	12	54	5.	985.5
165	12	54	8.	974.8
165	12	54	11.	986.3
165	12	54	17.	990.4
165	12	54	20.	982.2
165	12	54	23.	986.3
165	12	54	32.	974.8
165	12	54	35.	981.4
165	12	54	38.	977.3
165	12	54	41.	981.4
165	12	54	50.	977.3
165	12	54	59.	982.2
165	12	55	5.	977.3
165	12	55	8.	992.2
165	12	55	11.	985.5

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANNIE PROJECT NO. 4205.

FN2005

DDD	HH	MM	SS	DATA
165	12	55	20.	979.7
165	12	55	23.	991.3
165	12	55	29.	977.3
165	12	55	32.	972.3
165	12	55	35.	965.8
165	12	55	38.	957.5
165	12	55	41.	953.4
165	12	55	44.	945.2
165	12	55	47.	941.1
165	12	55	50.	934.5
165	12	55	53.	938.6
165	12	55	56.	964.1
165	12	55	59.	1056.3

ET1001

DDD	HH	MM	SS	DATA
165	12	44	2.	.0650
165	12	50	23.	.0600
165	12	55	23.	3.0250
165	12	55	26.	1.2725
165	12	55	29.	2.5600
165	12	55	32.	3.0725
165	12	55	35.	.2775
165	12	55	38.	.0925
165	12	55	41.	.0800
165	12	55	44.	.0750
165	12	55	50.	.0700
165	12	55	53.	.0800

EH1001

DDD	HH	MM	SS	DATA
165	12	44	2.	.0625
165	12	51	26.	.0575
165	12	55	23.	4.2625
165	12	55	26.	1.3325
165	12	55	29.	4.0750
165	12	55	32.	3.4575
165	12	55	35.	.2025
165	12	55	38.	.0750
165	12	55	41.	.0700
165	12	55	47.	.0650
165	12	55	56.	.0700

DT1001

DDD	HH	MM	SS	DATA
165	12	44	2.	.0579
165	12	53	2.	.0526
165	12	55	22.	.0710
165	12	55	23.	3.4285
165	12	55	24.	5.5651
165	12	55	25.	2.4813

DT1001

DDD	HH	MM	SS	DATA
165	12	55	26.	.5868
165	12	55	27.	6.1176
165	12	55	28.	1.9813
165	12	55	29.	4.8704
165	12	55	30.	5.7861
165	12	55	31.	1.7866
165	12	55	32.	1.4367
165	12	55	33.	.9025
165	12	55	34.	.5360
165	12	55	35.	.2421
165	12	55	36.	.1763
165	12	55	37.	.1473
165	12	55	38.	.1316
165	12	55	39.	.1184
165	12	55	40.	.1079
165	12	55	42.	.1000
165	12	55	43.	.0947
165	12	55	44.	.0895
165	12	55	47.	.0842
165	12	55	49.	.0789
165	12	55	54.	.0737
165	12	56	1.	.0684

DT1002

DDD	HH	MM	SS	DATA
165	12	44	2.	.0679
165	12	48	53.	.0626
165	12	55	22.	.0835
165	12	55	23.	3.1920
165	12	55	24.	5.8855
165	12	55	25.	2.9728
165	12	55	26.	.6368
165	12	55	27.	6.3005
165	12	55	28.	2.4116
165	12	55	29.	5.2800
165	12	55	30.	5.6585
165	12	55	31.	1.5321
165	12	55	32.	1.1980
165	12	55	33.	.7517
165	12	55	34.	.3967
165	12	55	35.	.1827
165	12	55	36.	.1409
165	12	55	37.	.1201
165	12	55	38.	.1096
165	12	55	39.	.1018
165	12	55	40.	.0966
165	12	55	42.	.0887
165	12	55	45.	.0835
165	12	55	49.	.0783
165	12	55	56.	.0731

DT1005

DDD	HH	MM	SS	DATA
165	12	44	2.	.1075
165	12	44	11.	.0925
165	12	44	12.	.1150
165	12	44	13.	.0950
165	12	44	14.	.1025
165	12	44	17.	.0850
165	12	44	19.	.0925
165	12	44	20.	.0975
165	12	44	21.	.1100
165	12	44	22.	.0925
165	12	44	23.	.1075
165	12	44	25.	.1025
165	12	44	26.	.1075
165	12	44	29.	.1025
165	12	44	39.	.0975
165	12	44	40.	.1050
165	12	44	41.	.1100
165	12	44	42.	.0950
165	12	44	43.	.1075
165	12	44	45.	.0975
165	12	44	46.	.0925
165	12	44	52.	.0975
165	12	44	54.	.1050
165	12	44	55.	.0950
165	12	44	57.	.1075
165	12	44	58.	.0925
165	12	45	1.	.1025
165	12	45	3.	.0950
165	12	45	4.	.1025
165	12	45	5.	.0975
165	12	45	6.	.1025
165	12	45	7.	.0950
165	12	45	12.	.1075
165	12	45	13.	.0975
165	12	45	14.	.0875
165	12	45	16.	.0950
165	12	45	17.	.1025
165	12	45	19.	.0950
165	12	45	20.	.1050
165	12	45	21.	.0925
165	12	45	23.	.0975
165	12	45	24.	.0925
165	12	45	25.	.1025
165	12	45	27.	.0925
165	12	45	28.	.1025
165	12	45	29.	.0925
165	12	45	30.	.0975
165	12	45	31.	.0925
165	12	45	32.	.1100
165	12	45	34.	.0925
165	12	45	35.	.1100

DT1005

DDD	HH	MM	SS	DATA
165	12	45	36.	.0950
165	12	45	37.	.1000
165	12	45	38.	.0875
165	12	45	39.	.0975
165	12	45	41.	.1025
165	12	45	42.	.1075
165	12	45	44.	.0900
165	12	45	46.	.0850
165	12	45	48.	.0900
165	12	45	49.	.1000
165	12	45	51.	.0900
165	12	45	52.	.0950
165	12	45	57.	.0900
165	12	46	1.	.1075
165	12	46	2.	.1025
165	12	46	4.	.0925
165	12	46	5.	.0975
165	12	46	7.	.1050
165	12	46	8.	.0900
165	12	46	9.	.1000
165	12	46	10.	.1050
165	12	46	11.	.0950
165	12	46	12.	.1000
165	12	46	13.	.0950
165	12	46	14.	.1000
165	12	46	15.	.1050
165	12	46	16.	.0925
165	12	46	17.	.1100
165	12	46	18.	.1050
165	12	46	19.	.0900
165	12	46	20.	.1075
165	12	46	22.	.0950
165	12	46	24.	.1025
165	12	46	25.	.0925
165	12	46	26.	.1075
165	12	46	28.	.1000
165	12	46	30.	.0950
165	12	46	31.	.1050
165	12	46	33.	.0925
165	12	46	35.	.1000
165	12	46	37.	.0925
165	12	46	39.	.1050
165	12	46	40.	.0925
165	12	46	41.	.1100
165	12	46	42.	.1000
165	12	46	43.	.1050
165	12	46	46.	.1100
165	12	46	48.	.0925
165	12	46	49.	.1000
165	12	46	50.	.1050
165	12	46	51.	.0975

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

DT1005 DDD HH MM SS	DATA	DT1005 DDD HH MM SS	DATA	DT1005 DDD HH MM SS	DATA	DT1005 DDD HH MM SS	DATA
165 12 46 54.	.0850	165 12 48 9.	.0850	165 12 49 25.	.0925	165 12 50 46.	.1100
165 12 46 55.	.0900	165 12 48 10.	.0975	165 12 49 26.	.0975	165 12 50 49.	.1000
165 12 46 56.	.0975	165 12 48 12.	.0925	165 12 49 27.	.1025	165 12 50 51.	.0950
165 12 46 57.	.0900	165 12 48 13.	.1075	165 12 49 28.	.0975	165 12 50 52.	.1100
165 12 46 58.	.0950	165 12 48 15.	.0950	165 12 49 33.	.1075	165 12 50 54.	.0950
165 12 46 59.	.1025	165 12 48 16.	.1075	165 12 49 35.	.1000	165 12 50 56.	.0875
165 12 47 0.	.0975	165 12 48 17.	.1025	165 12 49 36.	.1100	165 12 50 57.	.1000
165 12 47 1.	.0900	165 12 48 18.	.0925	165 12 49 41.	.1000	165 12 50 58.	.0950
165 12 47 2.	.1000	165 12 48 19.	.1075	165 12 49 42.	.1075	165 12 50 59.	.1025
165 12 47 3.	.1075	165 12 48 22.	.1125	165 12 49 43.	.1025	165 12 51 3.	.1100
165 12 47 4.	.1025	165 12 48 23.	.0950	165 12 49 44.	.1100	165 12 51 5.	.0950
165 12 47 5.	.0950	165 12 48 25.	.1100	165 12 49 45.	.0950	165 12 51 6.	.1000
165 12 47 7.	.1075	165 12 48 26.	.0975	165 12 49 48.	.1050	165 12 51 7.	.1075
165 12 47 9.	.1000	165 12 48 27.	.1075	165 12 49 51.	.1100	165 12 51 8.	.0950
165 12 47 10.	.0925	165 12 48 28.	.0925	165 12 49 53.	.0975	165 12 51 9.	.1050
165 12 47 11.	.0975	165 12 48 30.	.1100	165 12 49 54.	.1150	165 12 51 10.	.1125
165 12 47 12.	.1075	165 12 48 31.	.0950	165 12 49 55.	.0975	165 12 51 11.	.0950
165 12 47 14.	.1025	165 12 48 32.	.1075	165 12 49 56.	.1125	165 12 51 12.	.1000
165 12 47 15.	.0975	165 12 48 33.	.1000	165 12 49 58.	.1000	165 12 51 14.	.1075
165 12 47 17.	.1075	165 12 48 34.	.0900	165 12 50 0.	.0950	165 12 51 17.	.1125
165 12 47 18.	.0950	165 12 48 35.	.0975	165 12 50 1.	.1000	165 12 51 18.	.0950
165 12 47 20.	.1000	165 12 48 36.	.1100	165 12 50 5.	.1075	165 12 51 20.	.1000
165 12 47 22.	.0875	165 12 48 37.	.1000	165 12 50 6.	.0975	165 12 51 22.	.0925
165 12 47 23.	.0925	165 12 48 38.	.1050	165 12 50 8.	.1025	165 12 51 23.	.1025
165 12 47 26.	.0975	165 12 48 39.	.1125	165 12 50 9.	.1075	165 12 51 24.	.1100
165 12 47 27.	.1100	165 12 48 40.	.1050	165 12 50 10.	.0975	165 12 51 25.	.0975
165 12 47 28.	.1050	165 12 48 41.	.1100	165 12 50 11.	.1075	165 12 51 29.	.1100
165 12 47 29.	.1125	165 12 48 42.	.1025	165 12 50 12.	.1125	165 12 51 32.	.0925
165 12 47 31.	.1075	165 12 48 43.	.1100	165 12 50 13.	.1050	165 12 51 36.	.1075
165 12 47 33.	.1125	165 12 48 45.	.1000	165 12 50 16.	.1100	165 12 51 37.	.0925
165 12 47 34.	.1075	165 12 48 46.	.1050	165 12 50 17.	.0900	165 12 51 38.	.1025
165 12 47 35.	.0925	165 12 48 48.	.0975	165 12 50 18.	.0975	165 12 51 39.	.1100
165 12 47 36.	.1025	165 12 48 51.	.1025	165 12 50 21.	.1075	165 12 51 40.	.1050
165 12 47 37.	.0975	165 12 48 56.	.0975	165 12 50 22.	.1125	165 12 51 43.	.0900
165 12 47 38.	.1100	165 12 48 57.	.1075	165 12 50 25.	.1050	165 12 51 44.	.1025
165 12 47 40.	.1000	165 12 48 58.	.0950	165 12 50 26.	.1100	165 12 51 45.	.1075
165 12 47 41.	.0925	165 12 49 1.	.1075	165 12 50 27.	.0950	165 12 51 48.	.0900
165 12 47 43.	.1075	165 12 49 3.	.0950	165 12 50 28.	.1075	165 12 51 49.	.0950
165 12 47 44.	.0850	165 12 49 4.	.1125	165 12 50 29.	.1125	165 12 51 51.	.1075
165 12 47 45.	.0950	165 12 49 5.	.1025	165 12 50 30.	.1000	165 12 51 52.	.0975
165 12 47 48.	.1025	165 12 49 6.	.0975	165 12 50 31.	.1075	165 12 51 54.	.0925
165 12 47 50.	.1075	165 12 49 8.	.1050	165 12 50 32.	.0975	165 12 51 55.	.1050
165 12 47 52.	.0950	165 12 49 9.	.1000	165 12 50 33.	.0925	165 12 51 56.	.0900
165 12 47 54.	.1075	165 12 49 11.	.0950	165 12 50 35.	.0975	165 12 52 0.	.1025
165 12 47 58.	.1025	165 12 49 12.	.1075	165 12 50 36.	.1125	165 12 52 2.	.1075
165 12 47 59.	.1100	165 12 49 13.	.0950	165 12 50 38.	.1000	165 12 52 4.	.0975
165 12 48 0.	.1000	165 12 49 14.	.1100	165 12 50 39.	.1100	165 12 52 6.	.0925
165 12 48 1.	.1050	165 12 49 18.	.0950	165 12 50 40.	.0950	165 12 52 7.	.1100
165 12 48 2.	.0925	165 12 49 19.	.1000	165 12 50 41.	.1025	165 12 52 8.	.0900
165 12 48 6.	.0975	165 12 49 22.	.0950	165 12 50 43.	.1075	165 12 52 9.	.1050
165 12 48 8.	.1025	165 12 49 24.	.1050	165 12 50 45.	.0950	165 12 52 10.	.0925

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE

HAROLD B VANWIE PROJECT NO. 4205

DT1005 DDD HH MM SS	DATA	DT1005 DDD HH MM SS	DATA	DT1005 DDD HH MM SS	DATA	DT1005 DDD HH MM SS	DATA
165 12 52 12.	.1050	165 12 53 17.	.0750	165 12 54 34.	.0975	165 12 55 41.	.1300
165 12 52 13.	.0900	165 12 53 18.	.0975	165 12 54 35.	.0850	165 12 55 42.	.1375
165 12 52 14.	.1000	165 12 53 21.	.0875	165 12 54 36.	.1025	165 12 55 43.	.1200
165 12 52 15.	.0850	165 12 53 23.	.0975	165 12 54 37.	.0900	165 12 55 45.	.1300
165 12 52 16.	.1000	165 12 53 24.	.0875	165 12 54 38.	.0975	165 12 55 46.	.1250
165 12 52 17.	.1050	165 12 53 25.	.0975	165 12 54 39.	.0900	165 12 55 47.	.1100
165 12 52 18.	.0975	165 12 53 26.	.0925	165 12 54 40.	.1025	165 12 55 48.	.1225
165 12 52 19.	.1050	165 12 53 27.	.1025	165 12 54 43.	.0950	165 12 55 52.	.1050
165 12 52 20.	.0950	165 12 53 28.	.0875	165 12 54 45.	.0850	165 12 55 54.	.1125
165 12 52 21.	.1025	165 12 53 30.	.1025	165 12 54 47.	.0950	165 12 55 55.	.1075
165 12 52 22.	.0875	165 12 53 31.	.0875	165 12 54 48.	.1025	165 12 55 57.	.1000
165 12 52 23.	.0950	165 12 53 32.	.1000	165 12 54 49.	.0900	165 12 55 59.	.1050
165 12 52 24.	.0900	165 12 53 33.	.1075	165 12 54 50.	.0950	165 12 56 1.	.0975
165 12 52 25.	.1000	165 12 53 35.	.0875	165 12 54 51.	.0875		
165 12 52 26.	.0925	165 12 53 37.	.1075	165 12 54 52.	.1000	DT1008	
165 12 52 28.	.0775	165 12 53 38.	.0975	165 12 54 53.	.0850	DDD HH MM SS	DATA
165 12 52 29.	.0900	165 12 53 39.	.0925	165 12 54 54.	.0975	165 12 44 2.	.1053
165 12 52 30.	.1025	165 12 53 40.	.1000	165 12 54 55.	.0925	165 12 55 17.	.1003
165 12 52 32.	.0950	165 12 53 41.	.0850	165 12 54 56.	.1025	165 12 55 22.	.1179
165 12 52 36.	.0875	165 12 53 43.	.0950	165 12 54 57.	.0800	165 12 55 23.	4.2125
165 12 52 37.	.1025	165 12 53 44.	.0900	165 12 54 58.	.1050	165 12 55 24.	3.5381
165 12 52 38.	.0925	165 12 53 46.	.0850	165 12 55 1.	.0850	165 12 55 25.	1.2512
165 12 52 41.	.1025	165 12 53 47.	.0900	165 12 55 3.	.0950	165 12 55 26.	.5617
165 12 52 42.	.0850	165 12 53 48.	.1050	165 12 55 4.	.0875	165 12 55 27.	4.3004
165 12 52 43.	.1025	165 12 53 50.	.0950	165 12 55 5.	.1025	165 12 55 28.	1.1209
165 12 52 44.	.0900	165 12 53 51.	.1025	165 12 55 6.	.1075	165 12 55 29.	2.9463
165 12 52 46.	.0850	165 12 53 52.	.0875	165 12 55 7.	.0975	165 12 55 30.	5.3861
165 12 52 48.	.0900	165 12 53 53.	.0925	165 12 55 8.	.1100	165 12 55 31.	2.5752
165 12 52 50.	.1025	165 12 53 54.	.1025	165 12 55 9.	.0850	165 12 55 32.	2.0561
165 12 52 51.	.0975	165 12 53 55.	.0925	165 12 55 10.	.0975	165 12 55 33.	1.1635
165 12 52 52.	.0925	165 12 53 58.	.1025	165 12 55 11.	.1025	165 12 55 34.	.5968
165 12 52 54.	.0975	165 12 54 2.	.0875	165 12 55 13.	.0875	165 12 55 35.	.2507
165 12 52 55.	.0875	165 12 54 3.	.1000	165 12 55 18.	.0925	165 12 55 36.	.1931
165 12 52 56.	.1025	165 12 54 6.	.0925	165 12 55 20.	.1025	165 12 55 37.	.1705
165 12 52 57.	.0875	165 12 54 7.	.0850	165 12 55 23.	3.8250	165 12 55 38.	.1555
165 12 52 59.	.1025	165 12 54 8.	.0975	165 12 55 24.	4.8075	165 12 55 39.	.1479
165 12 53 0.	.0950	165 12 54 10.	.0875	165 12 55 25.	1.7000	165 12 55 40.	.1404
165 12 53 2.	.1025	165 12 54 12.	.1000	165 12 55 26.	.6200	165 12 55 41.	.1354
165 12 53 3.	.0950	165 12 54 13.	.0900	165 12 55 27.	5.5650	165 12 55 43.	.1304
165 12 53 4.	.1000	165 12 54 16.	.0850	165 12 55 28.	1.3925	165 12 55 45.	.1254
165 12 53 5.	.0875	165 12 54 17.	.0950	165 12 55 29.	4.0475	165 12 55 48.	.1204
165 12 53 6.	.0925	165 12 54 18.	.1025	165 12 55 30.	5.8700	165 12 55 53.	.1153
165 12 53 7.	.1000	165 12 54 23.	.0950	165 12 55 31.	2.1500		
165 12 53 9.	.0925	165 12 54 24.	.0875	165 12 55 32.	1.7525	DT1011	
165 12 53 10.	.0975	165 12 54 25.	.1000	165 12 55 33.	1.1100	DDD HH MM SS	DATA
165 12 53 11.	.0875	165 12 54 26.	.0875	165 12 55 34.	.6700	165 12 44 2.	.1314
165 12 53 12.	.1000	165 12 54 27.	.1000	165 12 55 35.	.2975	165 12 44 13.	.1264
165 12 53 13.	.0950	165 12 54 28.	.0800	165 12 55 36.	.2125	165 12 44 14.	.1314
165 12 53 14.	.0875	165 12 54 29.	.0950	165 12 55 37.	.1875	165 12 44 28.	.1264
165 12 53 15.	.1000	165 12 54 30.	.0850	165 12 55 38.	.1550	165 12 44 45.	.1340
165 12 53 16.	.0850	165 12 54 32.	.0900	165 12 55 39.	.1475	165 12 44 48.	.1264

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

DT1011 DDD HH MM SS	DATA	DT1011 DDD HH MM SS	DATA	DT1011 DDD HH MM SS	DATA	DT1011 DDD HH MM SS	DATA
165 12 44 47.	.1314	165 12 48 45.	.1163	165 12 53 0.	.1137	165 12 55 40.	.1592
165 12 44 48.	.1264	165 12 48 47.	.1112	165 12 53 8.	.1188	165 12 55 41.	.1491
165 12 44 54.	.1314	165 12 48 49.	.1163	165 12 53 11.	.1137	165 12 55 42.	.1441
165 12 44 56.	.1264	165 12 48 57.	.1112	165 12 53 15.	.1188	165 12 55 43.	.1390
165 12 45 0.	.1314	165 12 49 7.	.1163	165 12 53 16.	.1137	165 12 55 46.	.1340
165 12 45 2.	.1264	165 12 49 9.	.1112	165 12 53 19.	.1188	165 12 55 47.	.1264
165 12 45 8.	.1314	165 12 49 16.	.1163	165 12 53 20.	.1137	165 12 55 53.	.1213
165 12 45 11.	.1264	165 12 49 20.	.1112	165 12 53 24.	.1213	165 12 55 59.	.1163
165 12 45 12.	.1314	165 12 49 21.	.1163	165 12 53 25.	.1163	165 12 56 1.	.1238
165 12 45 15.	.1238	165 12 49 38.	.1112	165 12 53 28.	.1112		
165 12 45 16.	.1289	165 12 49 50.	.1163	165 12 53 30.	.1163	DH1003	
165 12 45 22.	.1213	165 12 49 52.	.1112	165 12 53 40.	.1112	DDD HH MM SS	DATA
165 12 45 24.	.1264	165 12 50 10.	.1163	165 12 53 41.	.1163	165 12 44 2.	.0015
165 12 45 27.	.1188	165 12 50 11.	.1112	165 12 53 57.	.1213	165 12 46 11.	.0018
165 12 45 28.	.1264	165 12 50 38.	.1163	165 12 53 59.	.1137	165 12 46 14.	.0015
165 12 45 59.	.1213	165 12 50 40.	.1112	165 12 54 2.	.1188	165 12 46 20.	.0018
165 12 46 6.	.1289	165 12 50 51.	.1163	165 12 54 12.	.1137	165 12 49 23.	.0020
165 12 46 7.	.1238	165 12 50 52.	.1112	165 12 54 13.	.1188	165 12 51 8.	.0023
165 12 46 20.	.1188	165 12 50 54.	.1188	165 12 54 18.	.1137	165 12 51 11.	.0020
165 12 46 22.	.1238	165 12 50 56.	.1112	165 12 54 19.	.1188	165 12 51 14.	.0023
165 12 46 26.	.1188	165 12 50 57.	.1163	165 12 54 22.	.1238	165 12 53 41.	.0025
165 12 46 27.	.1238	165 12 50 59.	.1112	165 12 54 23.	.1188	165 12 53 50.	.0023
165 12 46 28.	.1188	165 12 51 9.	.1163	165 12 54 39.	.1137	165 12 53 56.	.0025
165 12 46 29.	.1238	165 12 51 10.	.1112	165 12 54 40.	.1188	165 12 54 2.	.0023
165 12 46 31.	.1188	165 12 51 14.	.1163	165 12 54 42.	.1137	165 12 54 5.	.0025
165 12 46 35.	.1238	165 12 51 16.	.1112	165 12 54 43.	.1188	165 12 54 11.	.0023
165 12 46 36.	.1188	165 12 51 22.	.1163	165 12 54 51.	.1112	165 12 54 14.	.0025
165 12 46 39.	.1238	165 12 51 23.	.1112	165 12 54 52.	.1163	165 12 55 23.	.2500H
165 12 46 44.	.1188	165 12 51 32.	.1163	165 12 54 54.	.1213	165 12 55 26.	.5920
165 12 47 5.	.1238	165 12 51 37.	.1112	165 12 54 58.	.1163	165 12 55 29.	.2500H
165 12 47 6.	.1188	165 12 51 44.	.1163	165 12 55 4.	.1213	165 12 55 32.	.9659
165 12 47 7.	.1238	165 12 51 45.	.1112	165 12 55 8.	.1163	165 12 55 35.	.2232
165 12 47 9.	.1188	165 12 51 50.	.1163	165 12 55 20.	.1238	165 12 55 38.	.1054
165 12 47 19.	.1137	165 12 52 2.	.1087	165 12 55 22.	.1314	165 12 55 41.	.0704
165 12 47 22.	.1188	165 12 52 3.	.1163	165 12 55 23.	4.0137	165 12 55 44.	.0517
165 12 47 32.	.1137	165 12 52 5.	.1112	165 12 55 24.	2.7904	165 12 55 47.	.0411
165 12 47 34.	.1188	165 12 52 12.	.1163	165 12 55 25.	.9984	165 12 55 50.	.0341
165 12 47 38.	.1137	165 12 52 17.	.1112	165 12 55 26.	.6976	165 12 55 53.	.0290
165 12 47 39.	.1188	165 12 52 19.	.1163	165 12 55 27.	3.6168	165 12 55 56.	.0252
165 12 47 52.	.1137	165 12 52 20.	.1112	165 12 55 28.	1.0363	165 12 55 59.	.0227
165 12 47 53.	.1188	165 12 52 21.	.1163	165 12 55 29.	2.4036		
165 12 47 58.	.1137	165 12 52 33.	.1112	165 12 55 30.	4.9311	DT1004	
165 12 48 0.	.1213	165 12 52 35.	.1163	165 12 55 31.	2.8738	DDD HH MM SS	DATA
165 12 48 1.	.1163	165 12 52 36.	.1112	165 12 55 32.	2.3708	165 12 44 2.	.0047
165 12 48 13.	.1112	165 12 52 37.	.1163	165 12 55 33.	1.4306	165 12 47 38.	.0052
165 12 48 18.	.1163	165 12 52 39.	.1112	165 12 55 34.	.7861	165 12 47 39.	.0047
165 12 48 25.	.1112	165 12 52 40.	.1163	165 12 55 35.	.3134	165 12 53 9.	.0052
165 12 48 31.	.1163	165 12 52 43.	.1112	165 12 55 36.	.2351	165 12 55 22.	.0092
165 12 48 33.	.1112	165 12 52 50.	.1188	165 12 55 37.	.1997	165 12 55 23.	.1368
165 12 48 34.	.1163	165 12 52 52.	.1137	165 12 55 38.	.1820	165 12 55 24.	.2341
165 12 48 44.	.1112	165 12 52 59.	.1188	165 12 55 39.	.1668	165 12 55 25.	.0273

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

DT1004

DDD	HH	MM	SS	DATA
165	12	55	26.	-1257.5000*
165	12	55	27.	.1241
165	12	55	28.	-707.5000*
165	12	55	29.	.0976
165	12	55	30.	.0362
165	12	55	31.	-955.0000*
165	12	55	32.	-1127.5000*
165	12	55	33.	-1432.5000*
165	12	55	34.	-1630.0000*
165	12	55	35.	-1510.0000*
165	12	55	36.	-1250.0000*
165	12	55	37.	-1072.5000*
165	12	55	38.	-950.0000*
165	12	55	39.	-845.0000*
165	12	55	40.	-745.0000*
165	12	55	41.	-692.5000*
165	12	55	42.	-637.5000*
165	12	55	43.	-585.0000*
165	12	55	44.	-535.0000*
165	12	55	45.	-505.0000*
165	12	55	46.	-472.5000*
165	12	55	47.	-442.5000*
165	12	55	48.	-415.0000*
165	12	55	49.	-387.5000*
165	12	55	50.	-370.0000*
165	12	55	51.	-350.0000*
165	12	55	52.	-332.5000*
165	12	55	53.	-315.0000*
165	12	55	54.	-300.0000*
165	12	55	55.	-285.0000*
165	12	55	56.	-272.5000*
165	12	55	57.	-260.0000*
165	12	55	58.	-247.5000*
165	12	55	59.	-240.0000*
165	12	56	1.	-230.0000*

DT1005

DDD	HH	MM	SS	DATA
165	12	44	2.	.0054
165	12	46	2.	.0049
165	12	49	58.	.0044
165	12	55	23.	.0679
165	12	55	24.	-1277.5000*
165	12	55	25.	-675.0000*
165	12	55	26.	.1299
165	12	55	27.	-782.5000*
165	12	55	28.	-45.0000*
165	12	55	29.	-955.0000*
165	12	55	30.	.0120
165	12	55	31.	.1703
165	12	55	32.	.1819

DT1006

DDD	HH	MM	SS	DATA
165	12	55	33.	.1900
165	12	55	34.	.1787
165	12	55	35.	.1142
165	12	55	36.	.0853
165	12	55	37.	.0701
165	12	55	38.	.0605
165	12	55	39.	.0529
165	12	55	40.	.0458
165	12	55	41.	.0424
165	12	55	42.	.0390
165	12	55	43.	.0355
165	12	55	44.	.0328
165	12	55	45.	.0309
165	12	55	46.	.0289
165	12	55	47.	.0272
165	12	55	48.	.0260
165	12	55	49.	.0245
165	12	55	50.	.0235
165	12	55	51.	.0223
165	12	55	52.	.0216
165	12	55	53.	.0206
165	12	55	54.	.0199
165	12	55	55.	.0191
165	12	55	56.	.0186
165	12	55	57.	.0179
165	12	55	58.	.0174
165	12	55	59.	.0169
165	12	56	1.	.0164

DT1003

DDD	HH	MM	SS	DATA
165	12	44	2.	.0008
165	12	51	29.	.0003
165	12	53	49.	-2.5000*
165	12	55	22.	-15.0000*
165	12	55	23.	-117.5000*
165	12	55	24.	-5122.5000*
165	12	55	25.	-2435.0000*
165	12	55	26.	.0555
165	12	55	27.	-4490.0000*
165	12	55	28.	-1377.5000*
165	12	55	29.	-4570.0000*
165	12	55	30.	-2225.0000*
165	12	55	31.	.1747
165	12	55	32.	.1722
165	12	55	33.	.1298
165	12	55	34.	.0962
165	12	55	35.	.0419
165	12	55	36.	.0283
165	12	55	37.	.0225
165	12	55	38.	.0189

DT1003

DDD	HH	MM	SS	DATA
165	12	55	39.	.0162
165	12	55	40.	.0139
165	12	55	41.	.0126
165	12	55	42.	.0116
165	12	55	43.	.0104
165	12	55	44.	.0093
165	12	55	45.	.0088
165	12	55	46.	.0081
165	12	55	47.	.0076
165	12	55	48.	.0071
165	12	55	49.	.0065
165	12	55	51.	.0061
165	12	55	52.	.0056
165	12	55	54.	.0050
165	12	55	56.	.0045
165	12	55	58.	.0040

DT1007

DDD	HH	MM	SS	DATA
165	12	44	2.	.0017
165	12	45	54.	.0012
165	12	48	53.	.0007
165	12	55	22.	-10.0000*
165	12	55	23.	.4192
165	12	55	24.	-8915.0000*
165	12	55	25.	-6185.0000*
165	12	55	26.	.1112
165	12	55	27.	-7250.0000*
165	12	55	28.	-4110.0000*
165	12	55	29.	-9057.5000*
165	12	55	30.	-932.5000*
165	12	55	31.	.6515
165	12	55	32.	.6139
165	12	55	33.	.4075
165	12	55	34.	.3447
165	12	55	35.	.1391
165	12	55	36.	.0892
165	12	55	37.	.0683
165	12	55	38.	.0566
165	12	55	39.	.0476
165	12	55	40.	.0399
165	12	55	41.	.0361
165	12	55	42.	.0324
165	12	55	43.	.0289
165	12	55	44.	.0262
165	12	55	45.	.0244
165	12	55	46.	.0224
165	12	55	47.	.0207
165	12	55	48.	.0194
165	12	55	49.	.0179
165	12	55	50.	.0169

DT1007

DDD	HH	MM	SS	DATA
165	12	55	51.	.0160
165	12	55	52.	.0152
165	12	55	53.	.0142
165	12	55	54.	.0137
165	12	55	55.	.0130
165	12	55	56.	.0125
165	12	55	57.	.0120
165	12	55	58.	.0112
165	12	56	1.	.0105

DT1009

DDD	HH	MM	SS	DATA
165	12	44	2.	.0170
165	12	45	44.	.0175
165	12	48	11.	.0180
165	12	49	6.	.0185
165	12	49	35.	.0190
165	12	50	3.	.0195
165	12	50	26.	.0200
165	12	51	15.	.0195
165	12	51	31.	.0190
165	12	51	44.	.0185
165	12	51	54.	.0180
165	12	52	3.	.0175
165	12	52	10.	.0170
165	12	52	18.	.0165
165	12	52	24.	.0160
165	12	52	31.	.0155
165	12	52	36.	.0150
165	12	52	41.	.0145
165	12	52	46.	.0140
165	12	52	52.	.0135
165	12	52	56.	.0130
165	12	53	1.	.0125
165	12	53	6.	.0120
165	12	53	14.	.0115
165	12	53	20.	.0110
165	12	53	28.	.0105
165	12	53	36.	.0100
165	12	53	44.	.0095
165	12	53	53.	.0090
165	12	54	1.	.0085
165	12	54	12.	.0080
165	12	54	21.	.0075
165	12	54	31.	.0070
165	12	54	44.	.0065
165	12	54	56.	.0060
165	12	55	12.	.0055
165	12	55	22.	.0147
165	12	55	23.	.2036
165	12	55	24.	.8607

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DT1009 DDD HH MM SS	DATA	DT1012 DDD HH MM SS	DATA	DT1012 DDD HH MM SS	DATA	DT1014 DDD HH MM SS	DATA
165 12 55 25.	-677.5000*	165 12 51 59.	.0100	165 12 55 46.	-1165.0000*	165 12 46 59.	.0010
165 12 55 26.	-6200.0000*	165 12 52 5.	.0095	165 12 55 47.	-1097.5000*	165 12 47 0.	.0009
165 12 55 27.	.9217	165 12 52 11.	.0090	165 12 55 48.	-1045.0000*	165 12 47 2.	.0010
165 12 55 28.	-3505.0000*	165 12 52 18.	.0085	165 12 55 49.	-987.5000*	165 12 47 7.	.0009
165 12 55 29.	.5933	165 12 52 23.	.0080	165 12 55 50.	-947.5000*	165 12 47 17.	.0010
165 12 55 30.	.6692	165 12 52 28.	.0075	165 12 55 51.	-907.5000*	165 12 47 23.	.0009
165 12 55 31.	-7462.5000*	165 12 52 32.	.0070	165 12 55 52.	-872.5000*	165 12 47 26.	.0010
165 12 55 32.	-8240.0000*	165 12 52 38.	.0065	165 12 55 53.	-832.5000*	165 12 47 27.	.0009
165 12 55 33.	-8287.5000*	165 12 52 41.	.0060	165 12 55 54.	-805.0000*	165 12 47 32.	.0010
165 12 55 34.	-7090.0000*	165 12 52 46.	.0055	165 12 55 55.	-777.5000*	165 12 47 35.	.0009
165 12 55 35.	-3592.5000*	165 12 52 51.	.0050	165 12 55 56.	-750.0000*	165 12 47 37.	.0010
165 12 55 36.	-2372.5000*	165 12 52 54.	.0045	165 12 55 57.	-725.0000*	165 12 47 38.	.0009
165 12 55 37.	-1830.0000*	165 12 52 59.	.0040	165 12 55 58.	-700.0000*	165 12 47 53.	.0010
165 12 55 38.	-1522.5000*	165 12 53 3.	.0035	165 12 55 59.	-682.5000*	165 12 47 56.	.0009
165 12 55 39.	-1297.5000*	165 12 53 8.	.0030	165 12 56 1.	-660.0000*	165 12 48 6.	.0010
165 12 55 40.	-1107.5000*	165 12 53 15.	.0025			165 12 48 7.	.0009
165 12 55 41.	-1017.5000*	165 12 53 21.	.0020	DT1014		165 12 48 26.	.0010
165 12 55 42.	-925.0000*	165 12 53 30.	.0015	DDD HH MM SS	DATA	165 12 48 28.	.0009
165 12 55 43.	-842.5000*	165 12 53 37.	.0010	165 12 44 2.	.0009	165 12 49 9.	.0010
165 12 55 44.	-770.0000*	165 12 53 47.	.0005	165 12 44 16.	.0010	165 12 49 21.	.0009
165 12 55 45.	-722.5000*	165 12 53 56.	.0000	165 12 44 17.	.0009	165 12 49 24.	.0010
165 12 55 46.	-675.0000*	165 12 54 6.	-5.0000*	165 12 44 39.	.0010	165 12 49 38.	.0009
165 12 55 47.	-632.5000*	165 12 54 16.	-10.0000*	165 12 44 40.	.0009	165 12 49 40.	.0010
165 12 55 48.	-595.0000*	165 12 54 29.	-15.0000*	165 12 44 41.	.0009	165 12 49 43.	.0009
165 12 55 49.	-557.5000*	165 12 54 42.	-20.0000*	165 12 44 42.	.0009	165 12 49 45.	.0010
165 12 55 50.	-532.5000*	165 12 54 56.	-25.0000*	165 12 44 58.	.0009	165 12 49 47.	.0009
165 12 55 51.	-505.0000*	165 12 55 15.	-30.0000*	165 12 44 59.	.0009	165 12 49 50.	.0010
165 12 55 52.	-482.5000*	165 12 55 22.	.0070	165 12 45 29.	.0010	165 12 49 51.	.0010
165 12 55 53.	-457.5000*	165 12 55 23.	.2125	165 12 45 30.	.0009	165 12 49 52.	.0010
165 12 55 54.	-440.0000*	165 12 55 24.	.6577	165 12 45 32.	.0010	165 12 49 53.	.0010
165 12 55 55.	-422.5000*	165 12 55 25.	-1292.5000*	165 12 45 33.	.0009	165 12 50 2.	.0010
165 12 55 56.	-405.0000*	165 12 55 26.	-8135.0000*	165 12 45 34.	.0009	165 12 50 4.	.0010
165 12 55 57.	-390.0000*	165 12 55 27.	.6535	165 12 45 36.	.0009	165 12 50 5.	.0010
165 12 55 58.	-372.5000*	165 12 55 28.	-4810.0000*	165 12 45 38.	.0009	165 12 50 9.	.0010
165 12 55 59.	-360.0000*	165 12 55 29.	.4690	165 12 45 39.	.0009	165 12 50 11.	.0010
165 12 56 1.	-347.5000*	165 12 55 30.	.4102	165 12 45 42.	.0009	165 12 50 17.	.0010
		165 12 55 31.	-8715.0000*	165 12 45 52.	.0009	165 12 50 24.	.0009
DT1012 DDD HH MM SS	DATA	165 12 55 32.	-10025.0000*	165 12 45 54.	.0009	165 12 50 25.	.0010
165 12 44 2.	.0105	165 12 55 33.	.5000L	165 12 45 58.	.0009	165 12 50 27.	.0010
165 12 45 13.	.0115	165 12 55 34.	-9535.0000*	165 12 46 1.	.0009	165 12 50 30.	.0010
165 12 46 13.	.0120	165 12 55 35.	-5225.0000*	165 12 46 5.	.0009	165 12 50 32.	.0010
165 12 47 14.	.0125	165 12 55 36.	-3602.5000*	165 12 46 6.	.0009	165 12 50 33.	.0010
165 12 48 20.	.0130	165 12 55 37.	-2850.0000*	165 12 46 7.	.0009	165 12 50 35.	.0010
165 12 50 2.	.0135	165 12 55 38.	-2412.5000*	165 12 46 16.	.0009	165 12 50 37.	.0010
165 12 51 6.	.0130	165 12 55 39.	-2090.0000*	165 12 46 18.	.0009	165 12 50 39.	.0010
165 12 51 16.	.0125	165 12 55 40.	-1810.0000*	165 12 46 30.	.0009	165 12 50 41.	.0010
165 12 51 26.	.0120	165 12 55 41.	-1677.5000*	165 12 46 34.	.0009	165 12 50 43.	.0010
165 12 51 35.	.0115	165 12 55 42.	-1540.0000*	165 12 46 36.	.0010	165 12 50 53.	.0010
165 12 51 44.	.0110	165 12 55 43.	-1415.0000*	165 12 46 38.	.0009	165 12 50 54.	.0010
165 12 51 51.	.0105	165 12 55 44.	-1305.0000*	165 12 46 44.	.0010	165 12 51 4.	.0010
		165 12 55 45.	-1237.5000*	165 12 46 45.	.0009	165 12 51 5.	.0010

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANNIE PROJECT NO. 4205.

DT1014 DDD HH MM SS	DATA	DT1014 DDD HH MM SS	DATA	ZV1001 DDD HH MM SS	DATA	ZV1001 DDD HH MM SS	DATA
165 12 51 25.	.0009	165 12 54 51.	.0023	165 12 45 9.	.312500-04	165 12 53 19.	.312500-04
165 12 51 27.	.0010	165 12 54 55.	.0023	165 12 45 10.	.312500-05	165 12 53 26.	.312500-05
165 12 51 30.	.0009	165 12 55 1.	.0024	165 12 45 11.	.312500-04	165 12 53 27.	.312500-04
165 12 51 35.	.0009	165 12 55 4.	.0024	165 12 45 20.	.312500-05	165 12 53 31.	.312500-05
165 12 51 36.	.0010	165 12 55 10.	.0025	165 12 45 39.	.312500-04	165 12 55 18.	.312500-04
165 12 51 37.	.0009	165 12 55 17.	.0026	165 12 45 44.	.312500-05	165 12 55 19.	.312500-05
165 12 51 48.	.0009	165 12 55 20.	.0026	165 12 45 51.	.312500-04	165 12 55 29.	.312500-04
165 12 51 55.	.0009	165 12 55 23.	.2500H	165 12 45 53.	.312500-05	165 12 55 50.	.312500-05
165 12 51 56.	.0009	165 12 55 24.	.0647	165 12 45 56.	.312500-04	165 12 55 51.	.312500-04
165 12 52 5.	.0008	165 12 55 25.	.5000L	165 12 45 58.	.312500-05	165 12 55 53.	.312500-05
165 12 52 10.	.0009	165 12 55 27.	.0533	165 12 46 21.	.312500-03	165 12 55 54.	.312500-04
165 12 52 11.	.0008	165 12 55 28.	.5000L	165 12 46 22.	.312500-05	165 12 55 56.	.312500-05
165 12 52 12.	.0009	165 12 55 29.	-3602.5000*	165 12 46 44.	.312500-03	165 12 55 57.	.312500-04
165 12 52 14.	.0008	165 12 55 30.	.0963	165 12 46 45.	.312500-05		
165 12 52 19.	.0009	165 12 55 31.	-3782.5000*	165 12 46 46.	.312500-04	ZV2006	
165 12 52 20.	.0008	165 12 55 32.	-8160.0000*	165 12 46 47.	.312500-03	DDD HH MM SS	DATA
165 12 52 51.	.0008	165 12 55 33.	.5000L	165 12 46 49.	.312500-05	165 12 44 2.	.147988+03
165 12 52 54.	.0008	165 12 55 36.	-9667.5000*	165 12 47 13.	.312500-04	165 12 44 14.	.190728-05
165 12 52 55.	.0008	165 12 55 37.	-7960.0000*	165 12 47 14.	.312500-05	165 12 44 19.	.152581-04
165 12 53 0.	.0008	165 12 55 38.	-6855.0000*	165 12 47 20.	.312500-04	165 12 44 24.	.190728-05
165 12 53 6.	.0009	165 12 55 39.	-5992.5000*	165 12 47 25.	.312500-05	165 12 44 43.	.152581-04
165 12 53 9.	.0009	165 12 55 40.	-5205.0000*	165 12 48 8.	.312500-04	165 12 44 48.	.190728-05
165 12 53 16.	.0010	165 12 55 41.	-4822.5000*	165 12 48 9.	.312500-05	165 12 44 53.	.305172-04
165 12 53 19.	.0011	165 12 55 42.	-4425.0000*	165 12 48 10.	.312500-04	165 12 44 58.	.152581-04
165 12 53 21.	.0011	165 12 55 43.	-4057.5000*	165 12 48 15.	.312500-05	165 12 45 3.	.305172-04
165 12 53 27.	.0012	165 12 55 44.	-3727.5000*	165 12 48 28.	.312500-04	165 12 45 8.	.190728-05
165 12 53 30.	.0012	165 12 55 45.	-3522.5000*	165 12 48 31.	.312500-05	165 12 45 13.	.152581-04
165 12 53 34.	.0013	165 12 55 46.	-3302.5000*	165 12 48 37.	.312500-04	165 12 45 18.	.305172-04
165 12 53 39.	.0013	165 12 55 47.	-3107.5000*	165 12 48 40.	.312500-05	165 12 45 23.	.190729-05
165 12 53 40.	.0014	165 12 55 48.	-2942.5000*	165 12 49 6.	.312500-04	165 12 45 28.	.152581-04
165 12 53 44.	.0014	165 12 55 49.	-2762.5000*	165 12 49 7.	.312500-05	165 12 45 33.	.190728-05
165 12 53 49.	.0015	165 12 55 50.	-2645.0000*	165 12 49 11.	.312500-04	165 12 45 43.	.152581-04
165 12 53 53.	.0015	165 12 55 51.	-2517.5000*	165 12 49 14.	.312500-05	165 12 45 48.	.190728-05
165 12 53 57.	.0016	165 12 55 52.	-2412.5000*	165 12 49 17.	.312500-04	165 12 45 58.	.152581-04
165 12 53 59.	.0016	165 12 55 53.	-2292.5000*	165 12 49 20.	.312500-05	165 12 46 3.	.190728-05
165 12 54 2.	.0017	165 12 55 54.	-2202.5000*	165 12 49 21.	.312500-04	165 12 46 13.	.152581-04
165 12 54 6.	.0017	165 12 55 55.	-2115.0000*	165 12 49 36.	.312500-05	165 12 46 18.	.190728-05
165 12 54 8.	.0018	165 12 55 56.	-2032.5000*	165 12 49 46.	.312500-04	165 12 46 28.	.152581-04
165 12 54 12.	.0018	165 12 55 57.	-1955.0000*	165 12 49 51.	.312500-05	165 12 46 33.	.190728-05
165 12 54 16.	.0019	165 12 55 58.	-1872.5000*	165 12 50 15.	.312500-04	165 12 46 43.	.152581-04
165 12 54 17.	.0018	165 12 55 59.	-1815.0000*	165 12 50 27.	.312500-05	165 12 46 48.	.244133-03
165 12 54 19.	.0019	165 12 56 1.	-1747.5000*	165 12 50 28.	.312500-04	165 12 46 53.	.190728-05
165 12 54 25.	.0020			165 12 50 30.	.312500-05	165 12 46 58.	.152581-04
165 12 54 30.	.0020	ZV1001		165 12 51 43.	.312500-04	165 12 47 3.	.190728-05
165 12 54 32.	.0021	DDD HH MM SS	DATA	165 12 51 46.	.312500-05	165 12 47 13.	.152581-04
165 12 54 39.	.0021	165 12 44 2.	.027061-24	165 12 51 47.	.312500-04	165 12 47 18.	.190728-05
165 12 54 41.	.0022	165 12 44 11.	.312500-05	165 12 51 48.	.312500-05	165 12 47 23.	.305172-04
165 12 54 46.	.0022	165 12 44 53.	.312500-04	165 12 53 13.	.312500-04	165 12 47 28.	.152581-04
165 12 54 47.	.0022	165 12 44 54.	.312500-05	165 12 53 14.	.312500-05	165 12 47 33.	.190728-05
165 12 54 48.	.0023	165 12 45 1.	.312500-04	165 12 53 15.	.312500-04	165 12 47 43.	.152581-04
165 12 54 49.	.0022	165 12 45 6.	.312500-05	165 12 53 18.	.312500-05	165 12 47 48.	.190728-05

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX-INTERFACE
HAROLD B VANWIE PROJECT No. 4205

ZV2006 DDD HH MM SS	DATA	ZV2006 DDD HH MM SS	DATA	ZV1003 DDD HH MM SS	DATA	ZV1003 DDD HH MM SS	DATA
165 12 47 58.	.152581-04	165 12 53 43.	.152581-04	165 12 45 8.	.589100-01	165 12 46 45.	.582500-01
165 12 48 3.	.190728-05	165 12 53 48.	.190728-05	165 12 45 11.	.589000-01	165 12 46 46.	.582400-01
165 12 46 8.	.305172-04	165 12 53 58.	.152581-04	165 12 45 12.	.588900-01	165 12 46 47.	.582300-01
165 12 48 13.	.152581-04	165 12 54 3.	.190728-05	165 12 45 13.	.588800-01	165 12 46 49.	.582200-01
165 12 48 18.	.190728-05	165 12 54 13.	.152581-04	165 12 45 14.	.588700-01	165 12 46 51.	.582100-01
165 12 48 28.	.152581-04	165 12 54 18.	.190728-05	165 12 45 16.	.588600-01	165 12 46 53.	.582000-01
165 12 48 33.	.190728-05	165 12 54 28.	.152581-04	165 12 45 17.	.588500-01	165 12 46 54.	.581800-01
165 12 48 38.	.305172-04	165 12 54 33.	.190728-05	165 12 45 18.	.588400-01	165 12 46 55.	.581900-01
165 12 48 43.	.152581-04	165 12 54 43.	.152581-04	165 12 45 19.	.588100-01	165 12 46 57.	.581700-01
165 12 48 48.	.190728-05	165 12 54 48.	.190728-05	165 12 45 20.	.588400-01	165 12 46 59.	.581600-01
165 12 48 58.	.152581-04	165 12 54 58.	.152581-04	165 12 45 21.	.588300-01	165 12 47 1.	.581500-01
165 12 49 3.	.190728-05	165 12 55 3.	.190728-05	165 12 45 24.	.588000-01	165 12 47 2.	.581400-01
165 12 49 13.	.152581-04	165 12 55 13.	.152581-04	165 12 45 27.	.587800-01	165 12 47 3.	.581300-01
165 12 49 18.	.305172-04	165 12 55 18.	.305172-04	165 12 45 29.	.587700-01	165 12 47 5.	.581200-01
165 12 49 28.	.152581-04	165 12 55 23.	.190728-05	165 12 45 32.	.587600-01	165 12 47 9.	.580900-01
165 12 49 33.	.305172-04	165 12 55 28.	.152581-04	165 12 45 33.	.587500-01	165 12 47 10.	.580800-01
165 12 49 38.	.190728-05	165 12 55 33.	.305172-04	165 12 45 35.	.587400-01	165 12 12.	.580700-01
165 12 49 43.	.152581-04	165 12 55 43.	.152581-04	165 12 45 36.	.587300-01	165 1 14.	.580600-01
165 12 49 48.	.305172-04	165 12 55 48.	.305172-04	165 12 45 39.	.587100-01	165 15.	.580500-01
165 12 49 53.	.190728-05	165 12 55 53.	.190728-05	165 12 45 42.	.586900-01	165 12 47 17.	.580400-01
165 12 49 58.	.152581-04	165 12 55 58.	.152581-04	165 12 45 44.	.586800-01	165 12 47 18.	.580300-01
165 12 50 3.	.190728-05			165 12 45 45.	.586700-01	165 12 47 19.	.580400-01
165 12 50 13.	.152581-04	ZV1003		165 12 45 48.	.586500-01	165 12 47 21.	.580100-01
165 12 50 18.	.305172-04	DDD HH MM SS	DATA	165 12 45 49.	.586400-01	165 12 47 23.	.580000-01
165 12 50 28.	.152581-04	165 12 44 2.	.029059-24	165 12 45 52.	.586200-01	165 12 47 25.	.579900-01
165 12 50 33.	.190728-05	165 12 44 11.	.592500-01	165 12 45 53.	.586100-01	165 12 47 26.	.579800-01
165 12 50 43.	.152581-04	165 12 44 18.	.592300-01	165 12 45 56.	.585900-01	165 12 47 27.	.579700-01
165 12 50 48.	.190728-05	165 12 44 14.	.592200-01	165 12 45 57.	.585800-01	165 12 47 29.	.579800-01
165 12 50 58.	.152581-04	165 12 44 15.	.592100-01	165 12 46 0.	.585700-01	165 12 47 31.	.579700-01
165 12 51 3.	.190728-05	165 12 44 17.	.591900-01	165 12 46 2.	.585500-01	165 12 47 33.	.579500-01
165 12 51 13.	.152581-04	165 12 44 21.	.591800-01	165 12 46 4.	.585400-01	165 12 47 34.	.579400-01
165 12 51 18.	.190728-05	165 12 44 22.	.591700-01	165 12 46 8.	.585100-01	165 12 47 36.	.579300-01
165 12 51 28.	.152581-04	165 12 44 23.	.591500-01	165 12 46 9.	.585000-01	165 12 47 37.	.579200-01
165 12 51 33.	.190728-05	165 12 44 26.	.591400-01	165 12 46 13.	.584800-01	165 12 47 39.	.579000-01
165 12 51 43.	.152581-04	165 12 44 27.	.591300-01	165 12 46 14.	.584700-01	165 12 47 42.	.578900-01
165 12 51 48.	.190728-05	165 12 44 29.	.591100-01	165 12 46 16.	.584500-01	165 12 47 46.	.578800-01
165 12 51 58.	.152581-04	165 12 44 39.	.591000-01	165 12 46 17.	.584400-01	165 12 47 47.	.578700-01
165 12 52 3.	.190728-05	165 12 44 42.	.590800-01	165 12 46 20.	.584200-01	165 12 47 50.	.578400-01
165 12 52 13.	.152581-04	165 12 44 44.	.590700-01	165 12 46 21.	.584100-01	165 12 47 52.	.578300-01
165 12 52 18.	.190728-05	165 12 44 47.	.590500-01	165 12 46 22.	.584000-01	165 12 47 55.	.577900-01
165 12 52 28.	.152581-04	165 12 44 48.	.590400-01	165 12 46 25.	.583900-01	165 12 47 56.	.578000-01
165 12 52 33.	.190728-05	165 12 44 51.	.590100-01	165 12 46 26.	.583800-01	165 12 47 58.	.577900-01
165 12 52 43.	.152581-04	165 12 44 53.	.589900-01	165 12 46 28.	.583700-01	165 12 48 0.	.577800-01
165 12 52 48.	.190728-05	165 12 44 55.	.589800-01	165 12 46 31.	.583500-01	165 12 48 3.	.577600-01
165 12 52 58.	.152581-04	165 12 44 56.	.589900-01	165 12 46 32.	.583400-01	165 12 48 7.	.577400-01
165 12 53 3.	.190728-05	165 12 44 59.	.589700-01	165 12 46 33.	.583300-01	165 12 48 9.	.577200-01
165 12 53 13.	.152581-04	165 12 45 0.	.589500-01	165 12 46 36.	.583100-01	165 12 48 11.	.577000-01
165 12 53 18.	.190728-05	165 12 45 1.	.589700-01	165 12 46 38.	.583000-01	165 12 48 13.	.576900-01
165 12 53 23.	.305172-04	165 12 45 3.	.589500-01	165 12 46 39.	.582900-01	165 12 48 15.	.576800-01
165 12 53 28.	.152581-04	165 12 45 5.	.589300-01	165 12 46 41.	.582700-01	165 12 48 18.	.576600-01
165 12 53 33.	.190728-05	165 12 45 7.	.589900-01	165 12 46 43.	.582600-01	165 12 48 19.	.576500-01

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE

HAROLD B VANWIE PROJECT NO. 4205

ZV1003 DDD HH MM SS	DATA	ZV1003 DDD HH MM SS	DATA	ZV1003 DDD HH MM SS	DATA	ZV1003 DDD HH MM SS	DATA
165 12 48 20.	.576400-01	165 12 50 4.	.569900-01	165 12 51 42.	.564200-01	165 12 53 33.	.558000-01
165 12 48 22.	.576300-01	165 12 50 8.	.569800-01	165 12 51 43.	.564100-01	165 12 53 37.	.557900-01
165 12 48 23.	.576200-01	165 12 50 9.	.569700-01	165 12 51 45.	.564000-01	165 12 53 40.	.557700-01
165 12 48 24.	.576100-01	165 12 50 11.	.569600-01	165 12 51 46.	.563900-01	165 12 53 42.	.557600-01
165 12 48 25.	.575800-01	165 12 50 12.	.569500-01	165 12 51 47.	.563900-01	165 12 53 44.	.557500-01
165 12 48 26.	.576000-01	165 12 50 13.	.569400-01	165 12 51 48.	.563800-01	165 12 53 48.	.557300-01
165 12 48 27.	.575900-01	165 12 50 16.	.569000-01	165 12 51 51.	.563600-01	165 12 53 50.	.557200-01
165 12 48 28.	.576000-01	165 12 50 17.	.569300-01	165 12 51 53.	.563500-01	165 12 53 51.	.557100-01
165 12 48 30.	.575800-01	165 12 50 18.	.569100-01	165 12 51 54.	.563400-01	165 12 53 55.	.556900-01
165 12 48 32.	.575700-01	165 12 50 20.	.569000-01	165 12 51 58.	.563200-01	165 12 53 58.	.556800-01
165 12 48 35.	.575600-01	165 12 50 21.	.568900-01	165 12 51 59.	.563100-01	165 12 54 0.	.556700-01
165 12 48 38.	.575300-01	165 12 50 22.	.568800-01	165 12 52 1.	.563000-01	165 12 54 4.	.556300-01
165 12 48 42.	.575100-01	165 12 50 24.	.568600-01	165 12 52 5.	.562700-01	165 12 54 5.	.556400-01
165 12 48 44.	.574900-01	165 12 50 26.	.568300-01	165 12 52 6.	.562500-01	165 12 54 6.	.556300-01
165 12 48 46.	.574800-01	165 12 50 28.	.568400-01	165 12 52 7.	.562600-01	165 12 54 8.	.556000-01
165 12 48 48.	.574600-01	165 12 50 29.	.568300-01	165 12 52 11.	.562500-01	165 12 54 9.	.555900-01
165 12 48 50.	.574500-01	165 12 50 30.	.568400-01	165 12 52 14.	.562400-01	165 12 54 10.	.556000-01
165 12 48 52.	.574400-01	165 12 50 31.	.568300-01	165 12 52 15.	.562300-01	165 12 54 12.	.555900-01
165 12 48 54.	.574300-01	165 12 50 32.	.568100-01	165 12 52 18.	.562100-01	165 12 54 14.	.555800-01
165 12 48 56.	.574200-01	165 12 50 36.	.568000-01	165 12 52 19.	.562000-01	165 12 54 17.	.555700-01
165 12 48 57.	.574100-01	165 12 50 37.	.567900-01	165 12 52 20.	.561900-01	165 12 54 18.	.555600-01
165 12 48 58.	.574000-01	165 12 50 41.	.567800-01	165 12 52 23.	.561800-01	165 12 54 20.	.555500-01
165 12 49 2.	.573700-01	165 12 50 42.	.567700-01	165 12 52 27.	.561600-01	165 12 54 23.	.555200-01
165 12 49 3.	.573800-01	165 12 50 44.	.567400-01	165 12 52 30.	.561500-01	165 12 54 28.	.555100-01
165 12 49 4.	.573600-01	165 12 50 45.	.567300-01	165 12 52 31.	.561400-01	165 12 54 29.	.555000-01
165 12 49 6.	.573700-01	165 12 50 50.	.567200-01	165 12 52 34.	.561200-01	165 12 54 31.	.554900-01
165 12 49 8.	.573600-01	165 12 50 52.	.567100-01	165 12 52 36.	.561100-01	165 12 54 34.	.554800-01
165 12 49 10.	.573300-01	165 12 50 53.	.567000-01	165 12 52 38.	.561000-01	165 12 54 36.	.554600-01
165 12 49 12.	.573200-01	165 12 50 56.	.566900-01	165 12 52 39.	.560900-01	165 12 54 37.	.554700-01
165 12 49 15.	.573100-01	165 12 50 58.	.566700-01	165 12 52 42.	.560700-01	165 12 54 38.	.554600-01
165 12 49 17.	.572900-01	165 12 51 0.	.566600-01	165 12 52 44.	.560600-01	165 12 54 40.	.554400-01
165 12 49 20.	.572800-01	165 12 51 2.	.566500-01	165 12 52 46.	.560500-01	165 12 54 44.	.554300-01
165 12 49 23.	.572600-01	165 12 51 4.	.566400-01	165 12 52 47.	.560300-01	165 12 54 45.	.554200-01
165 12 49 24.	.572500-01	165 12 51 6.	.565300-01	165 12 52 48.	.560400-01	165 12 54 46.	.554100-01
165 12 49 27.	.572400-01	165 12 51 8.	.566200-01	165 12 52 49.	.560300-01	165 12 54 48.	.554000-01
165 12 49 28.	.572200-01	165 12 51 9.	.566100-01	165 12 52 50.	.560200-01	165 12 54 49.	.553800-01
165 12 49 31.	.572000-01	165 12 51 10.	.566000-01	165 12 52 54.	.560100-01	165 12 54 50.	.553900-01
165 12 49 34.	.571800-01	165 12 51 12.	.565900-01	165 12 52 59.	.560000-01	165 12 54 56.	.553600-01
165 12 49 35.	.571900-01	165 12 51 13.	.565700-01	165 12 53 0.	.559900-01	165 12 54 58.	.553500-01
165 12 49 36.	.571800-01	165 12 51 14.	.565800-01	165 12 53 4.	.559800-01	165 12 55 1.	.553300-01
165 12 49 39.	.571600-01	165 12 51 17.	.565700-01	165 12 53 5.	.559700-01	165 12 55 4.	.553100-01
165 12 49 40.	.571500-01	165 12 51 19.	.565500-01	165 12 53 8.	.559600-01	165 12 55 8.	.552900-01
165 12 49 41.	.571400-01	165 12 51 22.	.565400-01	165 12 53 11.	.559400-01	165 12 55 9.	.552800-01
165 12 49 47.	.571000-01	165 12 51 23.	.565300-01	165 12 53 12.	.559300-01	165 12 55 12.	.552700-01
165 12 49 49.	.570900-01	165 12 51 26.	.565100-01	165 12 53 16.	.559000-01	165 12 55 16.	.552500-01
165 12 49 51.	.570800-01	165 12 51 27.	.565000-01	165 12 53 19.	.558900-01	165 12 55 18.	.552400-01
165 12 49 52.	.570700-01	165 12 51 28.	.564900-01	165 12 53 21.	.558800-01	165 12 55 21.	.552300-01
165 12 49 55.	.570500-01	165 12 51 30.	.564800-01	165 12 53 23.	.558700-01	165 12 55 25.	.556900-01
165 12 49 57.	.570400-01	165 12 51 34.	.564600-01	165 12 53 24.	.558600-01	165 12 55 26.	.560400-01
165 12 50 0.	.570100-01	165 12 51 36.	.564500-01	165 12 53 27.	.558400-01	165 12 55 27.	.563500-01
165 12 50 3.	.570000-01	165 12 51 38.	.564300-01	165 12 53 29.	.558300-01	165 12 55 28.	.566300-01

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

ZV1003

DDD	HH	MM	SS	DATA
165	12	55	29.	.568800-01
165	12	55	30.	.571800-01
165	12	55	32.	.578100-01
165	12	55	33.	.580900-01
165	12	55	34.	.583700-01
165	12	55	35.	.586200-01
165	12	55	37.	.592600-01
165	12	55	38.	.581700-01
165	12	55	39.	.581100-01
165	12	55	42.	.579700-01
165	12	55	43.	.579400-01
165	12	55	45.	.578500-01
165	12	55	46.	.578200-01
165	12	55	47.	.577900-01
165	12	55	49.	.577300-01
165	12	55	51.	.576800-01
165	12	55	57.	.574900-01
165	12	55	58.	.574600-01
165	12	56	1.	.573900-01

ZS1056

DDD	HH	MM	SS	DATA
165	12	44	2.	.0
165	12	44	11.	.1
165	12	48	56.	.1
165	12	53	5.	.1
165	12	55	23.	.1
165	12	55	26.	2.7
165	12	55	29.	2.2
165	12	55	32.	1.7
165	12	55	35.	.5
165	12	55	38.	.1
165	12	55	41.	.1
165	12	55	44.	.1
165	12	55	47.	.1
165	12	55	50.	.1
165	12	55	53.	.1
165	12	55	59.	.1

ZT0203

DDD	HH	MM	SS	DATA
165	12	44	2.	**********
165	12	44	11.	274.2
165	12	44	23.	273.1
165	12	45	17.	272.6
165	12	45	26.	272.0
165	12	46	2.	271.5
165	12	46	20.	271.0
165	12	47	2.	270.4
165	12	47	14.	269.8
165	12	47	53.	269.3

ZT0203

DDD	HH	MM	SS	DATA
165	12	48	8.	268.8
165	12	48	41.	268.2
165	12	49	5.	267.7
165	12	49	38.	267.1
165	12	49	59.	266.6
165	12	50	32.	266.0
165	12	50	59.	265.5
165	12	51	32.	264.9
165	12	51	53.	264.3
165	12	52	32.	263.7
165	12	52	53.	263.2
165	12	53	32.	262.6
165	12	53	53.	262.0
165	12	54	35.	261.5
165	12	54	53.	261.0
165	12	55	32.	260.4
165	12	55	50.	259.8
165	12	55	56.	259.2
165	12	55	59.	276.6

ZT0206

DDD	HH	MM	SS	DATA
165	12	44	2.	.2
165	12	44	11.	249.9
165	12	44	23.	249.4
165	12	45	11.	248.8
165	12	45	20.	248.3
165	12	45	59.	247.7
165	12	46	8.	247.2
165	12	46	47.	246.6
165	12	46	59.	246.1
165	12	47	41.	245.6
165	12	47	53.	245.0
165	12	48	32.	244.4
165	12	48	47.	243.8
165	12	49	23.	243.3
165	12	49	47.	242.7
165	12	50	17.	242.2
165	12	50	41.	241.6
165	12	51	53.	242.1
165	12	51	59.	242.7
165	12	52	17.	243.3
165	12	52	20.	243.9
165	12	52	35.	245.1
165	12	52	50.	246.3
165	12	53	2.	247.4
165	12	53	14.	248.5
165	12	53	26.	249.7
165	12	53	38.	250.9
165	12	53	50.	252.2
165	12	54	2.	253.4

ZT0206

DDD	HH	MM	SS	DATA
165	12	54	14.	254.7
165	12	54	23.	255.3
165	12	54	26.	255.9
165	12	54	35.	256.6
165	12	54	38.	257.3
165	12	54	47.	258.0
165	12	54	50.	258.6
165	12	54	56.	259.2
165	12	54	59.	259.8
165	12	55	8.	261.0
165	12	55	20.	262.3
165	12	55	29.	263.4
165	12	55	41.	264.6
165	12	55	53.	265.8

ZT0209

DDD	HH	MM	SS	DATA
165	12	44	2.	.0
165	12	44	11.	247.2
165	12	44	26.	246.6
165	12	44	50.	246.1
165	12	45	38.	245.5
165	12	45	53.	245.0
165	12	46	50.	244.4
165	12	47	2.	243.9
165	12	48	2.	243.3
165	12	48	11.	242.7
165	12	49	8.	242.2
165	12	49	17.	241.6
165	12	50	23.	241.1
165	12	50	26.	240.5
165	12	51	14.	241.1
165	12	51	17.	241.7
165	12	51	29.	242.3
165	12	51	35.	242.9
165	12	51	44.	243.5
165	12	51	50.	244.1
165	12	51	59.	244.7
165	12	52	5.	245.3
165	12	52	14.	245.9
165	12	52	20.	246.5
165	12	52	29.	247.1
165	12	52	35.	247.7
165	12	52	44.	248.2
165	12	52	50.	248.9
165	12	52	56.	249.5
165	12	53	5.	250.0
165	12	53	11.	250.6
165	12	53	20.	251.2
165	12	53	26.	251.8
165	12	53	35.	252.4

ZT0209

DDD	HH	MM	SS	DATA
165	12	53	41.	253.0
165	12	53	50.	253.6
165	12	53	56.	254.2
165	12	54	5.	254.8
165	12	54	11.	255.3
165	12	54	20.	255.9
165	12	54	23.	256.5
165	12	54	35.	257.1
165	12	54	39.	257.6
165	12	54	50.	258.2
165	12	54	53.	258.7
165	12	55	5.	259.4
165	12	55	8.	260.0
165	12	55	20.	260.5
165	12	55	23.	261.1
165	12	55	38.	261.6
165	12	55	41.	262.2
165	12	55	53.	262.7
165	12	55	59.	263.3

ZT0213

DDD	HH	MM	SS	DATA
165	12	44	2.	.0
165	12	44	11.	245.9
165	12	44	17.	245.3
165	12	44	44.	244.8
165	12	45	8.	244.2
165	12	45	17.	243.7
165	12	45	50.	243.1
165	12	45	56.	242.5
165	12	46	35.	241.4
165	12	47	11.	240.9
165	12	47	20.	240.3
165	12	47	47.	239.8
165	12	48	2.	239.2
165	12	48	26.	238.7
165	12	48	50.	238.1
165	12	49	5.	237.6
165	12	49	35.	237.0
165	12	49	44.	236.5
165	12	50	20.	235.9
165	12	50	23.	235.3
165	12	50	59.	234.7
165	12	51	8.	234.2
165	12	52	5:	234.8
165	12	52	11.	235.3
165	12	52	23.	235.9
165	12	52	38.	236.5
165	12	52	41.	237.1
165	12	52	59.	237.6
165	12	53	2.	238.2

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE

HAROLD B VANWIE PROJECT NO. 4205

ZT0213

DDD	HH	MM	SS	DATA
165	12	53	17.	238.7
165	12	53	23.	239.3
165	12	53	35.	239.9
165	12	53	41.	240.4
165	12	53	53.	241.1
165	12	54	2.	241.6
165	12	54	8.	242.2
165	12	54	20.	242.8
165	12	54	29.	243.4
165	12	54	41.	244.0
165	12	54	47.	244.6
165	12	55	2.	245.8
165	12	55	17.	246.4
165	12	55	20.	247.0
165	12	55	44.	247.6
165	12	55	50.	248.2

ZT0216

DDD	HH	MM	SS	DATA
165	12	44	2.	33.5
165	12	44	11.	242.5
165	12	44	29.	241.4
165	12	45	11.	240.3
165	12	45	50.	239.2
165	12	46	29.	238.0
165	12	47	8.	236.9
165	12	47	50.	235.7
165	12	48	26.	234.6
165	12	49	5.	233.5
165	12	49	50.	232.2
165	12	50	29.	231.1
165	12	51	32.	232.2
165	12	51	47.	233.4
165	12	52	2.	234.5
165	12	52	17.	235.6
165	12	52	32.	236.7
165	12	52	47.	237.9
165	12	53	2.	239.0
165	12	53	17.	240.3
165	12	53	35.	241.5
165	12	53	50.	242.6
165	12	54	2.	243.7
165	12	54	20.	245.0
165	12	54	35.	246.1
165	12	54	53.	247.5
165	12	55	8.	248.6
165	12	55	23.	249.7
165	12	55	44.	251.0
165	12	55	56.	252.7

ZT0219

DDD	HH	MM	SS	DATA
165	12	44	2.	.0
165	12	44	11.	153.9
165	12	45	8.	153.3
165	12	45	26.	152.7
165	12	46	56.	152.0
165	12	47	11.	151.5
165	12	50	14.	152.1
165	12	50	35.	152.7

ZS0012

DDD	HH	MM	SS	DATA
165	12	44	2.	220.6
165	12	44	11.	32.1
165	12	44	14.	32.0
165	12	44	17.	32.1
165	12	44	23.	32.0
165	12	44	26.	32.1
165	12	44	44.	31.9
165	12	44	47.	32.0
165	12	44	50.	32.1
165	12	44	53.	31.9
165	12	44	56.	32.0
165	12	44	59.	32.1
165	12	45	2.	31.8
165	12	45	5.	32.1
165	12	45	11.	32.0
165	12	45	20.	31.9
165	12	45	23.	32.1
165	12	45	26.	32.0
165	12	45	29.	32.1
165	12	45	35.	32.0
165	12	45	38.	32.0
165	12	45	41.	32.3
165	12	45	44.	32.3
165	12	45	47.	32.1
165	12	45	50.	32.0
165	12	45	53.	31.8
165	12	45	56.	31.9
165	12	46	5.	31.8
165	12	46	8.	32.0
165	12	46	11.	32.0
165	12	46	14.	32.1
165	12	46	20.	32.0
165	12	46	26.	32.1
165	12	46	32.	32.0
165	12	46	35.	32.1
165	12	46	41.	32.0
165	12	46	56.	32.1
165	12	46	59.	32.0
165	12	47	8.	32.1
165	12	47	11.	32.2

ZS0012

DDD	HH	MM	SS	DATA
165	12	47	14.	32.1
165	12	47	17.	32.0
165	12	47	20.	31.9
165	12	47	23.	31.8
165	12	47	26.	32.1
165	12	47	29.	32.2
165	12	47	32.	32.3
165	12	47	38.	32.3
165	12	47	41.	32.2
165	12	47	50.	32.3
165	12	47	56.	32.2
165	12	48	8.	32.3
165	12	48	14.	32.2
165	12	48	17.	32.3
165	12	48	20.	32.2
165	12	48	23.	32.1
165	12	48	26.	32.2
165	12	48	29.	32.0
165	12	48	35.	32.1
165	12	48	38.	32.0
165	12	48	44.	32.1
165	12	49	5.	32.0
165	12	49	11.	32.1
165	12	49	14.	32.0
165	12	49	17.	32.1
165	12	49	20.	32.0
165	12	49	35.	32.1
165	12	49	44.	32.0
165	12	49	50.	32.1
165	12	49	59.	32.0
165	12	50	2.	32.1
165	12	50	11.	32.0
165	12	50	17.	31.9
165	12	50	20.	32.0
165	12	50	23.	32.1
165	12	50	35.	32.0
165	12	50	38.	32.1
165	12	50	41.	32.0
165	12	50	50.	32.1
165	12	50	53.	32.0
165	12	50	56.	32.1
165	12	51	2.	32.0
165	12	51	5.	32.1
165	12	51	8.	32.0
165	12	51	11.	32.1
165	12	51	20.	32.0
165	12	51	23.	32.1
165	12	51	26.	32.0
165	12	51	38.	32.1
165	12	51	41.	32.0
165	12	51	47.	32.1

ZS0012

DDD	HH	MM	SS	DATA
165	12	51	53.	32.0
165	12	51	56.	32.1
165	12	52	2.	32.0
165	12	52	5.	31.9
165	12	52	8.	32.1
165	12	52	11.	32.0
165	12	52	17.	32.1
165	12	52	20.	32.0
165	12	52	23.	31.9
165	12	52	26.	31.9
165	12	52	29.	32.0
165	12	52	32.	31.9
165	12	52	41.	32.0
165	12	52	44.	31.9
165	12	52	47.	31.9
165	12	52	50.	32.0
165	12	52	53.	32.0
165	12	52	56.	32.0
165	12	52	59.	31.9
165	12	53	2.	31.8
165	12	53	5.	32.0
165	12	53	8.	32.1
165	12	53	11.	32.0
165	12	53	14.	31.8
165	12	53	17.	32.0
165	12	53	20.	32.1
165	12	53	23.	31.9
165	12	53	26.	31.8
165	12	53	32.	32.0
165	12	53	35.	31.9
165	12	53	38.	32.1
165	12	53	41.	31.9
165	12	53	44.	31.9
165	12	53	47.	32.0
165	12	53	50.	32.1
165	12	53	53.	31.8
165	12	53	56.	32.0
165	12	54	5.	32.2
165	12	54	8.	32.0
165	12	54	14.	32.1
165	12	54	17.	32.0
165	12	54	20.	32.1
165	12	54	23.	31.9
165	12	54	26.	32.0
165	12	54	29.	32.1
165	12	54	32.	32.0
165	12	54	35.	31.9
165	12	54	38.	32.0
165	12	54	44.	31.8
165	12	54	47.	32.1
165	12	54	53.	31.8

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX-INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

Z50012

DDD	HH	MM	SS	DATA
165	12	54	59.	32.0
165	12	55	2.	31.9
165	12	55	8.	32.1
165	12	55	11.	32.0
165	12	55	14.	32.0
165	12	55	17.	32.1
165	12	55	20.	31.9
165	12	55	26.	32.7
165	12	55	29.	34.0
165	12	55	32.	35.0
165	12	55	35.	34.1
165	12	55	38.	36.2
165	12	55	41.	37.1
165	12	55	44.	36.4
165	12	55	47.	34.8
165	12	55	50.	32.3
165	12	55	53.	32.3
165	12	55	56.	32.1
165	12	55	59.	32.0

ZT0253

DDD	HH	MM	SS	DATA
165	12	44	2.	.0
165	12	44	11.	-75.3
165	12	49	2.	76.0
165	12	55	2.	76.6
165	12	55	29.	75.2
165	12	55	32.	74.0
165	12	55	35.	73.2
165	12	55	44.	73.9
165	12	55	56.	87.1

ZQ0001

DDD	HH	MM	SS	DATA
165	12	44	2.	0.
165	12	44	28.	-324.
165	12	44	42.	-331.
165	12	44	47.	-325.
165	12	45	2.	-325.
165	12	45	17.	-320.
165	12	45	27.	-325.
165	12	45	32.	-320.
165	12	46	2.	-325.
165	12	46	7.	-319.
165	12	46	12.	-320.
165	12	46	32.	-327.
165	12	46	37.	-321.
165	12	46	42.	-328.
165	12	46	57.	-328.
165	12	47	2.	-329.
165	12	47	12.	-323.

ZQ0001

DDD	HH	MM	SS	DATA
165	12	47	22.	-268.
165	12	47	27.	-174.
165	12	47	32.	-155.
165	12	47	37.	-155.
165	12	47	47.	-148.
165	12	47	52.	-139.
165	12	48	2.	-147.
165	12	48	7.	-123.
165	12	48	14.	-124.
165	12	48	19.	457.
165	12	48	24.	1994.
165	12	48	27.	2306.
165	12	48	36.	2145.
165	12	48	40.	1794.
165	12	48	43.	1453.
165	12	48	47.	1269.
165	12	48	52.	986.
165	12	49	0.	930.
165	12	49	5.	704.
165	12	49	9.	490.
165	12	49	12.	484.
165	12	49	17.	393.
165	12	49	24.	330.
165	12	49	31.	233.
165	12	49	34.	45.
165	12	49	37.	45.
165	12	49	43.	45.
165	12	49	49.	43.
165	12	49	52.	77.
165	12	49	57.	75.
165	12	50	2.	-18.
165	12	50	10.	-19.
165	12	50	13.	-22.
165	12	50	22.	-148.
165	12	50	27.	167.
165	12	50	32.	451.
165	12	50	37.	260.
165	12	50	42.	295.
165	12	50	47.	390.
165	12	50	58.	-276.
165	12	51	3.	-529.
165	12	51	7.	-525.
165	12	51	12.	-430.
165	12	51	18.	-561.
165	12	51	22.	-466.
165	12	51	27.	-369.
165	12	51	32.	-367.
165	12	51	42.	-369.
165	12	51	52.	-369.
165	12	51	58.	-275.
165	12	52	7.	-273.

ZQ0001

DDD	HH	MM	SS	DATA
165	12	52	12.	-273.
165	12	52	22.	-275.
165	12	52	30.	-274.
165	12	52	33.	-718.
165	12	52	37.	-970.
165	12	52	42.	1004.
165	12	52	47.	-813.
165	12	52	54.	-748.
165	12	52	57.	-653.
165	12	53	2.	-558.
165	12	53	7.	-558.
165	12	53	12.	-590.
165	12	53	17.	-589.
165	12	53	22.	-494.
165	12	53	37.	-494.
165	12	53	42.	-494.
165	12	53	48.	-493.
165	12	53	52.	-493.
165	12	54	2.	-494.
165	12	54	13.	-495.
165	12	54	17.	-496.
165	12	54	22.	-497.
165	12	54	27.	-496.
165	12	54	33.	-495.
165	12	54	38.	-368.
165	12	54	52.	-368.
165	12	54	59.	-368.
165	12	55	5.	-243.
165	12	55	11.	-244.
165	12	55	15.	-242.
165	12	55	27.	-245.
165	12	55	32.	13630.
165	12	55	38.	28838.
165	12	55	42.	33266.
165	12	55	47.	14916.
165	12	55	52.	7148.
165	12	55	57.	4822.

ZP0317

DDD	HH	MM	SS	DATA
165	12	44	2.	.026810-24
165	12	44	18.	.817500-04
165	12	44	28.	.819000-04
165	12	44	42.	.820500-04
165	12	44	47.	.819000-04
165	12	45	12.	.820500-04
165	12	45	17.	.817500-04
165	12	45	22.	.819000-04
165	12	45	47.	.822000-04
165	12	45	57.	.816000-04
165	12	46	2.	.819000-04

ZP0317

DDD	HH	MM	SS	DATA
165	12	46	17.	.822000-04
165	12	46	22.	.817500-04
165	12	46	27.	.819000-04
165	12	46	32.	.820500-04
165	12	46	37.	.819000-04
165	12	46	47.	.820500-04
165	12	46	52.	.819000-04
165	12	46	57.	.817500-04
165	12	47	2.	.819000-04
165	12	47	7.	.817500-04
165	12	47	22.	.819000-04
165	12	47	27.	.816000-04
165	12	47	32.	.814500-04
165	12	47	37.	.816000-04
165	12	47	42.	.820500-04
165	12	47	52.	.819000-04
165	12	48	2.	.822000-04
165	12	48	7.	.817500-04
165	12	48	14.	.823500-04
165	12	48	24.	.819000-04
165	12	48	27.	.817500-04
165	12	48	37.	.820500-04
165	12	49	0.	.813000-04
165	12	49	5.	.819000-04
165	12	49	9.	.817500-04
165	12	49	12.	.814500-04
165	12	49	17.	.819000-04
165	12	49	34.	.817500-04
165	12	49	43.	.819000-04
165	12	50	10.	.820500-04
165	12	50	13.	.817500-04
165	12	50	22.	.819000-04
165	12	50	47.	.817500-04
165	12	50	53.	.816000-04
165	12	50	58.	.817500-04
165	12	51	7.	.819000-04
165	12	51	12.	.813000-04
165	12	51	18.	.819000-04
165	12	51	27.	.816000-04
165	12	51	32.	.817500-04
165	12	51	37.	.816000-04
165	12	51	42.	.814500-04
165	12	51	47.	.817500-04
165	12	51	52.	.816000-04
165	12	51	58.	.819000-04
165	12	52	7.	.814500-04
165	12	52	12.	.819000-04
165	12	52	17.	.816000-04
165	12	52	22.	.813000-04
165	12	52	30.	.817500-04
165	12	52	42.	.816000-04

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE

HAROLD B VANWIE PROJECT NO. 4205

ZP0317

DDD	HH	MM	SS	DATA
165	12	52	47.	.814500-04
165	12	52	54.	.817500-04
165	12	52	57.	.819000-04
165	12	53	2.	.816000-04
165	12	53	12.	.817500-04
165	12	53	17.	.816000-04
165	12	53	28.	.822000-04
165	12	53	32.	.817500-04
165	12	53	42.	.820500-04
165	12	53	48.	.819000-04
165	12	53	52.	.813000-04
165	12	53	57.	.814500-04
165	12	54	2.	.819000-04
165	12	54	7.	.816000-04
165	12	54	22.	.814500-04
165	12	54	27.	.808500-04
165	12	54	33.	.813000-04
165	12	54	38.	.811500-04
165	12	54	52.	.816000-04
165	12	55	32.	.843000-04
165	12	55	38.	.840000-04
165	12	55	52.	.823500-04

$S0054

DDD	HH	MM	SS	DATA
165	12	44	2.	0.
165	12	44	13.	0001.
165	12	44	14.	0.
165	12	44	18.	0.
165	12	45	4.	0.
165	12	45	9.	0.
165	12	45	41.	0.
165	12	45	56.	0.
165	12	46	2.	0.
165	12	46	9.	0.
165	12	47	58.	0.
165	12	48	2.	0001.
165	12	48	4.	0.
165	12	48	14.	0002.
165	12	48	16.	0001.
165	12	48	18.	0002.
165	12	48	21.	0003.
165	12	48	23.	0003.
165	12	48	25.	0.
165	12	48	29.	0002.
165	12	48	34.	0005.
165	12	48	39.	0004.
165	12	48	40.	0003.
165	12	48	41.	0001.
165	12	48	43.	0.
165	12	48	46.	0.

$S0054

DDD	HH	MM	SS	DATA
165	12	48	57.	0002.
165	12	48	59.	0003.
165	12	49	2.	0003.
165	12	49	3.	0004.
165	12	49	4.	0003.
165	12	49	6.	0001.
165	12	49	8.	0002.
165	12	49	9.	0.
165	12	49	15.	0.
165	12	49	25.	0002.
165	12	49	27.	0003.
165	12	49	29.	0004.
165	12	49	32.	0004.
165	12	49	34.	0002.
165	12	49	35.	0003.
165	12	49	36.	0002.
165	12	49	37.	0.
165	12	49	43.	0001.
165	12	49	46.	0002.
165	12	49	49.	0001.
165	12	49	51.	0001.
165	12	49	52.	0.
165	12	49	56.	0.
165	12	49	59.	0001.
165	12	50	0.	0.
165	12	50	6.	0003.
165	12	50	7.	0002.
165	12	50	9.	0003.
165	12	50	10.	0002.
165	12	50	11.	0.
165	12	50	13.	0.
165	12	50	18.	0.
165	12	50	34.	0.
165	12	50	37.	0.
165	12	50	44.	0.
165	12	50	46.	0.
165	12	50	50.	0.
165	12	50	53.	0001.
165	12	50	54.	0.
165	12	50	58.	0.
165	12	51	3.	0.
165	12	51	5.	0.
165	12	51	12.	0.
165	12	51	18.	0.
165	12	51	56.	0.
165	12	51	58.	0.
165	12	52	16.	0.
165	12	52	25.	0001.
165	12	52	30.	0003.
165	12	52	32.	0001.
165	12	52	34.	0.

$S0054

DDD	HH	MM	SS	DATA
165	12	52	42.	0.
165	12	52	46.	0.
165	12	52	52.	0004.
165	12	52	54.	0001.
165	12	52	56.	0.
165	12	53	1.	0.
165	12	53	4.	0.
165	12	53	7.	0.
165	12	53	17.	0.
165	12	53	19.	0.
165	12	53	28.	0001.
165	12	53	29.	0.
165	12	53	48.	0.
165	12	53	51.	0.
165	12	54	4.	0.
165	12	54	10.	0.
165	12	54	13.	0.
165	12	54	15.	0.
165	12	54	20.	0.
165	12	54	28.	0.
165	12	54	31.	0001.
165	12	54	35.	0001.
165	12	54	38.	0001.
165	12	54	41.	0001.
165	12	54	43.	0001.
165	12	54	45.	0.
165	12	54	48.	0.
165	12	54	50.	0001.
165	12	54	52.	0.
165	12	54	54.	0.
165	12	54	56.	0001.
165	12	54	59.	0002.
165	12	55	1.	0002.
165	12	55	3.	0002.
165	12	55	5.	0003.
165	12	55	7.	0004.
165	12	55	9.	0005.
165	12	55	11.	0004.
165	12	55	15.	0003.
165	12	55	17.	0003.
165	12	55	19.	0001.
165	12	55	23.	0.
165	12	55	26.	0.
165	12	55	28.	0.
165	12	55	30.	0.
165	12	55	35.	0.
165	12	55	38.	0001.
165	12	55	39.	0.
165	12	55	41.	0.
165	12	55	48.	0001.
165	12	55	49.	0.

$S0054

DDD	HH	MM	SS	DATA
165	12	55	51.	0.
165	12	55	57.	0.
165	12	55	59.	0.

XP0317

DDD	HH	MM	SS	DATA
165	12	44	2.	2.101010100100100
165	12	44	12.	12.101010100010100
165	12	44	15.	15.001010100011100
165	12	44	18.	18.101010100011000
165	12	44	21.	21.001010100010100
165	12	44	24.	24.101010100011000
165	12	44	27.	27.101010100011100
165	12	44	39.	39.101010100100000
165	12	44	42.	42.101010100011000
165	12	44	57.	57.101010100011100
165	12	45	0.	0.001010100011100
165	12	45	3.	3.001010100011000
165	12	45	6.	6.101010100011100
165	12	45	12.	12.101010100010100
165	12	45	18.	18.101010100011000
165	12	45	30.	30.001010100011100
165	12	45	33.	33.001010100100000
165	12	45	36.	36.101010100011000
165	12	45	39.	39.101010100100000
165	12	45	45.	45.101010100011000
165	12	45	48.	48.101010100100000
165	12	45	51.	51.101010100010000
165	12	45	54.	54.101010100011100
165	12	45	57.	57.101010100011000
165	12	46	0.	0.101010100010100
165	12	46	3.	3.001010100011100
165	12	46	6.	6.001010100100000
165	12	46	9.	9.101010100011000
165	12	46	12.	12.101010100100000
165	12	46	15.	15.101010100011000
165	12	46	18.	18.101010100010100
165	12	46	21.	21.101010100011000
165	12	46	27.	27.101010100011100
165	12	46	30.	30.101010100010000
165	12	46	33.	33.101010100011000
165	12	46	36.	36.001010100011000
165	12	46	39.	39.101010100100000
165	12	46	42.	42.101010100011100
165	12	46	48.	48.101010100011000
165	12	46	51.	51.101010100010100
165	12	46	54.	54.101010100011100
165	12	46	57.	57.101010100011000
165	12	47	3.	3.101010100010100
165	12	47	6.	6.101010100010000
165	12	47	9.	9.001010100010000

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

XP0317 DDD HH MM SS	DATA	XP0317 DDD HH MM SS	DATA	XP0317 DDD HH MM SS	DATA	XP1003 DDD HH MM SS	DATA
165 12 47 12.0010101000110000		165 12 50 24.0010101000100000		165 12 53 15.1010101000011000		165 12 44 2.1000000101000001	
165 12 47 15.1010101000100000		165 12 50 27.1010101000110000		165 12 53 18.1010101000100000		165 12 44 11.0000000101000001	
165 12 47 18.1010101000110000		165 12 50 30.0010101000111000		165 12 53 21.1010101000110000		165 12 44 12.1000000101000001	
165 12 47 21.1010101000100000		165 12 50 33.1010101000110000		165 12 53 24.1010101001000000		165 12 44 15.0000000101000001	
165 12 47 27.1010101000011000		165 12 50 42.1010101000101000		165 12 53 27.1010101000110000		165 12 44 16.1000000101000001	
165 12 47 30.1010101000110000		165 12 50 45.1010101000110000		165 12 53 30.0010101000100000		165 12 44 18.0000000101000001	
165 12 47 33.1010101000100000		165 12 50 48.1010101000100000		165 12 53 33.0010101000101000		165 12 44 20.1000000101000001	
165 12 47 36.1010101000111000		165 12 50 51.1010101000101000		165 12 53 36.1010101000111000		165 12 44 23.0000000101000001	
165 12 47 39.1010101001000000		165 12 50 54.0010101000011000		165 12 53 39.1010101000110000		165 12 44 25.1000000101000001	
165 12 47 42.0010101000101000		165 12 50 57.1010101000110000		165 12 53 45.1010101000101000		165 12 44 27.0000000101000001	
165 12 47 45.1010101000110000		165 12 51 3.0010101000100000		165 12 53 48.1010101000010000		165 12 44 28.1000000101000001	
165 12 47 57.1010101001000000		165 12 51 6.1010101000010000		165 12 53 51.1010101000011000		165 12 44 40.0000000101000001	
165 12 48 0.1010101000101000		165 12 51 9.1010101000110000		165 12 53 57.1010101000110000		165 12 44 41.1000000101000001	
165 12 48 6.1010101000110000		165 12 51 15.1010101000101000		165 12 54 0.1010101000100000		165 12 44 44.0000000101000001	
165 12 48 9.1010101001001000		165 12 51 18.1010101000110000		165 12 54 3.0010101000010000		165 12 44 46.1000000101000001	
165 12 48 12.1010101000100000		165 12 51 21.1010101000100000		165 12 54 6.0010101000011000		165 12 44 48.0000000101000001	
165 12 48 18.1010101000110000		165 12 51 24.0010101000101000		165 12 54 9.1010101000100000		165 12 44 50.1000000101000001	
165 12 48 21.1010101000101000		165 12 51 27.1010101000101000		165 12 54 15.1010101000010000		165 12 44 53.0000000101000001	
165 12 48 24.0010101000110000		165 12 51 30.1010101000011000		165 12 54 18.1010101000011000		165 12 44 54.1000000101000001	
165 12 48 27.1010101000100000		165 12 51 33.1010101000100000		165 12 54 21.1010100111001000		165 12 44 56.0000000101000001	
165 12 48 30.1010101000101000		165 12 51 36.1010101000011000		165 12 54 24.1010101000100000		165 12 44 58.1000000101000001	
165 12 48 33.1010101000111000		165 12 51 39.1010101000110000		165 12 54 27.1010101000010000		165 12 45 1.0000000101000001	
165 12 48 45.0010101000110000		165 12 51 42.1010101000101000		165 12 54 30.1010101000001000		165 12 45 2.1000000101000001	
165 12 48 51.1010101000110000		165 12 51 45.1010101000111000		165 12 54 33.0010101000100000		165 12 45 3.0000000101000001	
165 12 48 54.1010101000010000		165 12 51 48.1010101000100000		165 12 54 39.1010101000100000		165 12 45 4.1000000101000001	
165 12 48 57.1010101000100000		165 12 51 51.1010101000110000		165 12 54 42.0010101000010000		165 12 45 5.0000000101000001	
165 12 49 0.1010101000110000		165 12 51 54.1010101000111000		165 12 54 45.1010101000011000		165 12 45 6.1000000101000001	
165 12 49 3.1010101000101000		165 12 51 57.0010101000011000		165 12 54 48.1010101000100000		165 12 45 9.0000000101000001	
165 12 49 6.1010101000011000		165 12 52 3.1010101000011000		165 12 54 57.1010101000011000		165 12 45 10.1000000101000001	
165 12 49 9.1010101000101000		165 12 52 6.1010101000110000		165 12 55 0.1010101000100000		165 12 45 21.0000000101000001	
165 12 49 12.1010101000110000		165 12 52 9.1010101001000000		165 12 55 6.1010101000010000		165 12 45 23.1000000101000001	
165 12 49 15.1010101000111000		165 12 52 12.1010101000100000		165 12 55 9.0010101000100000		165 12 45 24.0000000101000001	
165 12 49 18.0010101000110000		165 12 52 15.1010101000011000		165 12 55 12.1010101000100000		165 12 45 26.1000000101000001	
165 12 49 21.1010101000110000		165 12 52 18.1010101000010000		165 12 55 15.0010101000110000		165 12 45 29.0000000101000001	
165 12 49 30.1010101000101000		165 12 52 21.1010101000110000		165 12 55 18.1010101000100000		165 12 45 31.1000000101000001	
165 12 49 33.0010101000011000		165 12 52 24.1010101000101000		165 12 55 21.0010101000100000		165 12 45 37.0000000101000001	
165 12 49 36.1010101000101000		165 12 52 27.1010101000011000		165 12 55 24.1010101010100000		165 12 45 38.1000000101000001	
165 12 49 39.1010101000110000		165 12 52 30.0010101000101000		165 12 55 27.1010101100010000		165 12 45 46.0000000101000001	
165 12 49 42.1010101000100000		165 12 52 33.0010101000100000		165 12 55 30.1010101100001000		165 12 45 47.1000000101000001	
165 12 49 45.1010101000110000		165 12 52 36.1010101000100000		165 12 55 33.1010101100000000		165 12 45 49.0000000101000001	
165 12 49 48.1010101000100000		165 12 52 39.1010101000011000		165 12 55 36.1010101000011000		165 12 45 51.1000000101000001	
165 12 49 51.0010101000111000		165 12 52 42.0010101000100000		165 12 55 39.1010101000101000		165 12 45 54.0000000101000001	
165 12 49 54.0010101000110000		165 12 52 45.1010101000100000		165 12 55 42.0010101010001000		165 12 45 55.1000000101000001	
165 12 49 57.1010101000110000		165 12 52 48.1010101000101000		165 12 55 45.0010101010000000		165 12 45 57.0000000101000001	
165 12 50 0.1010101000011000		165 12 52 51.1010101000110000		165 12 55 48.1010101001001000		165 12 45 59.1000000101000001	
165 12 50 3.1010101000101000		165 12 52 54.1010101000101000		165 12 55 51.1010101000001000		165 12 46 2.0000000101000001	
165 12 50 6.1010101000111000		165 12 52 57.1010101000100000		165 12 55 54.1010101000100000		165 12 46 3.1000000101000001	
165 12 50 9.1010101000101000		165 12 53 0.0010101000011000		165 12 55 57.1010101000000000		165 12 46 5.0000000101000001	
165 12 50 15.1010101000110000		165 12 53 3.0010101000100000		165 12 56 1.1010101000011000		165 12 46 7.1000000101000001	
165 12 50 18.1010101000111000		165 12 53 6.1010101000101000				165 12 46 9.0000000101000001	
165 12 50 21.1010101000100000		165 12 53 9.1010101000100000				165 12 46 12.1000000101000001	

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE

HAROLD B VANWIE PROJECT NO. 4205

XP1003 DDD HH MM SS	DATA	XP1003 DDD HH MM SS	DATA	XP1003 DDD HH MM SS	DATA	XP1003 DDD HH MM SS	DATA
165 12 46 14.	00000001010000001	165 12 47 57.	10000001010000001	165 12 49 28.	00000001010000001	165 12 51 25.	10000001010000001
165 12 46 15.	10000001010000001	165 12 48 0.	00000001010000001	165 12 49 30.	10000001010000001	165 12 51 31.	00000001010000001
165 12 46 18.	00000001010000001	165 12 48 1.	10000001010000001	165 12 49 32.	00000001010000001	165 12 51 33.	10000001010000001
165 12 46 19.	10000001010000001	165 12 48 3.	00000001010000001	165 12 49 33.	10000001010000001	165 12 51 36.	00000001010000001
165 12 46 22.	00000001010000001	165 12 48 6.	10000001010000001	165 12 49 36.	00000001010000001	165 12 51 37.	10000001010000001
165 12 46 23.	10000001010000001	165 12 48 7.	00000001010000001	165 12 49 38.	10000001010000001	165 12 51 40.	00000001010000001
165 12 46 26.	00000001010000001	165 12 48 8.	10000001010000001	165 12 49 41.	00000001010000001	165 12 51 41.	10000001010000001
165 12 46 27.	10000001010000001	165 12 48 11.	00000001010000001	165 12 49 42.	10000001010000001	165 12 51 43.	00000001010000001
165 12 46 29.	00000001010000001	165 12 48 12.	10000001010000001	165 12 49 43.	00000001010000001	165 12 51 44.	10000001010000001
165 12 46 30.	10000001010000001	165 12 48 16.	00000001010000001	165 12 49 46.	10000001010000001	165 12 51 48.	00000001010000001
165 12 46 34.	00000001010000001	165 12 48 17.	10000001010000001	165 12 49 49.	00000001010000001	165 12 51 49.	10000001010000001
165 12 46 35.	10000001010000001	165 12 48 20.	00000001010000001	165 12 49 50.	10000001010000001	165 12 51 51.	00000001010000001
165 12 46 39.	00000001010000001	165 12 48 21.	10000001010000001	165 12 49 52.	00000001010000001	165 12 51 52.	10000001010000001
165 12 46 40.	10000001010000001	165 12 48 28.	00000001010000001	165 12 49 54.	10000001010000001	165 12 51 55.	00000001010000001
165 12 46 43.	00000001010000001	165 12 48 29.	10000001010000001	165 12 49 57.	00000001010000001	165 12 51 57.	10000001010000001
165 12 46 44.	10000001010000001	165 12 48 32.	00000001010000001	165 12 49 58.	10000001010000001	165 12 51 59.	00000001010000001
165 12 46 47.	00000001010000001	165 12 48 34.	10000001010000001	165 12 50 0.	00000001010000001	165 12 52 0.	10000001010000001
165 12 46 48.	10000001010000001	165 12 48 35.	00000001010000001	165 12 50 2.	10000001010000001	165 12 52 1.	00000001010000001
165 12 46 51.	00000001010000001	165 12 48 37.	10000001010000001	165 12 50 5.	00000001010000001	165 12 52 2.	10000001010000001
165 12 46 52.	10000001010000001	165 12 48 39.	00000001010000001	165 12 50 6.	10000001010000001	165 12 52 3.	00000001010000001
165 12 46 55.	00000001010000001	165 12 48 41.	10000001010000001	165 12 50 9.	00000001010000001	165 12 52 4.	10000001010000001
165 12 46 56.	10000001010000001	165 12 48 42.	00000001010000001	165 12 50 10.	10000001010000001	165 12 52 7.	00000001010000001
165 12 46 57.	00000001010000001	165 12 48 43.	10000001010000001	165 12 50 13.	00000001010000001	165 12 52 9.	10000001010000001
165 12 46 58.	10000001010000001	165 12 48 44.	00000001010000001	165 12 50 15.	10000001010000001	165 12 52 11.	00000001010000001
165 12 46 59.	00000001010000001	165 12 48 45.	10000001010000001	165 12 50 18.	00000001010000001	165 12 52 13.	10000001010000001
165 12 47 0.	10000001010000001	165 12 48 48.	00000001010000001	165 12 50 19.	10000001010000001	165 12 52 15.	00000001010000001
165 12 47 3.	00000001010000001	165 12 48 49.	10000001010000001	165 12 50 22.	00000001010000001	165 12 52 17.	10000001010000001
165 12 47 4.	10000001010000001	165 12 48 50.	00000001010000001	165 12 50 23.	10000001010000001	165 12 52 20.	00000001010000001
165 12 47 6.	00000001010000001	165 12 48 51.	10000001010000001	165 12 50 26.	00000001010000001	165 12 52 21.	10000001010000001
165 12 47 8.	10000001010000001	165 12 48 52.	00000001010000001	165 12 50 27.	10000001010000001	165 12 52 24.	00000001010000001
165 12 47 10.	00000001010000001	165 12 48 53.	10000001010000001	165 12 50 34.	00000001010000001	165 12 52 26.	10000001010000001
165 12 47 11.	10000001010000001	165 12 48 58.	00000001010000001	165 12 50 35.	10000001010000001	165 12 52 28.	00000001010000001
165 12 47 15.	00000001010000001	165 12 48 59.	10000001010000001	165 12 50 37.	00000001010000001	165 12 52 29.	10000001010000001
165 12 47 16.	10000001010000001	165 12 49 0.	00000001010000001	165 12 50 39.	10000001010000001	165 12 52 31.	00000001010000001
165 12 47 19.	00000001010000001	165 12 49 1.	10000001010000001	165 12 50 42.	00000001010000001	165 12 52 33.	10000001010000001
165 12 47 20.	10000001010000001	165 12 49 4.	00000001010000001	165 12 50 43.	10000001010000001	165 12 52 34.	00000001010000001
165 12 47 23.	00000001010000001	165 12 49 5.	10000001010000001	165 12 50 45.	00000001010000001	165 12 52 35.	10000001010000001
165 12 47 24.	10000001010000001	165 12 49 6.	00000001010000001	165 12 50 47.	10000001010000001	165 12 52 36.	00000001010000001
165 12 47 27.	00000001010000001	165 12 49 7.	10000001010000001	165 12 50 50.	00000001010000001	165 12 52 37.	10000001010000001
165 12 47 28.	10000001010000001	165 12 49 8.	00000001010000001	165 12 50 51.	10000001010000001	165 12 52 40.	00000001010000001
165 12 47 31.	00000001010000001	165 12 49 9.	10000001010000001	165 12 50 53.	00000001010000001	165 12 52 41.	10000001010000001
165 12 47 32.	10000001010000001	165 12 49 12.	00000001010000001	165 12 50 55.	10000001010000001	165 12 52 42.	00000001010000001
165 12 47 39.	00000001010000001	165 12 49 13.	10000001010000001	165 12 50 58.	00000001010000001	165 12 52 43.	10000001010000001
165 12 47 40.	10000001010000001	165 12 49 15.	00000001010000001	165 12 50 59.	10000001010000001	165 12 52 44.	00000001010000001
165 12 47 43.	00000001010000001	165 12 49 16.	10000001010000001	165 12 51 6.	00000001010000001	165 12 52 45.	10000001010000001
165 12 47 45.	10000001010000001	165 12 49 17.	00000001010000001	165 12 51 7.	10000001010000001	165 12 52 51.	00000001010000001
165 12 47 47.	00000001010000001	165 12 49 18.	10000001010000001	165 12 51 10.	00000001010000001	165 12 52 53.	10000001010000001
165 12 47 49.	10000001010000001	165 12 49 20.	00000001010000001	165 12 51 11.	10000001010000001	165 12 52 55.	00000001010000001
165 12 47 52.	00000001010000001	165 12 49 22.	10000001010000001	165 12 51 14.	00000001010000001	165 12 52 58.	10000001010000001
165 12 47 53.	10000001010000001	165 12 49 24.	00000001010000001	165 12 51 16.	10000001010000001	165 12 53 0.	00000001010000001
165 12 47 56.	00000001010000001	165 12 49 26.	10000001010000001	165 12 51 23.	00000001010000001	165 12 53 1.	10000001010000001

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE
HAROLD B VANWIE PROJECT NO. 4205

XP1003

DDD	HH	MM	SS	DATA
165	12	53	8.	0000000010100000
165	12	53	10.	0000000010100000
165	12	53	13.	0000000010100000
165	12	53	15.	0000000010100000
165	12	53	18.	0000000010100000
165	12	53	22.	1000000010100000
165	12	53	25.	0000000010100000
165	12	53	26.	1000000010100000
165	12	53	29.	0000000010100000
165	12	53	32.	1000000010100000
165	12	53	33.	0000000010100000
165	12	53	35.	1000000010100000
165	12	53	37.	0000000010100000
165	12	53	39.	1000000010100000
165	12	53	42.	0000000010100000
165	12	53	43.	1000000010100000
165	12	53	45.	0000000010100000
165	12	53	47.	1000000010100000
165	12	53	52.	0000000010100000
165	12	53	54.	1000000010100000
165	12	53	58.	0000000010100000
165	12	53	59.	1000000010100000
165	12	54	1.	0000000010100000
165	12	54	3.	1000000010100000
165	12	54	6.	0000000010100000
165	12	54	7.	1000000010100000
165	12	54	10.	0000000010100000
165	12	54	11.	1000000010100000
165	12	54	14.	0000000010100000
165	12	54	18.	1000000010100000
165	12	54	19.	0000000010100000
165	12	54	21.	0000000010100000
165	12	54	22.	1000000010100000
165	12	54	25.	0000000010100000
165	12	54	27.	1000000010100000
165	12	54	29.	0000000010100000
165	12	54	30.	1000000010100000
165	12	54	34.	0000000010100000
165	12	54	35.	1000000010100000
165	12	54	38.	0000000010100000
165	12	54	39.	1000000010100000
165	12	54	42.	0000000010100000
165	12	54	43.	1000000010100000
165	12	54	46.	0000000010100000
165	12	54	47.	1000000010100000
165	12	54	50.	0000000010100000
165	12	54	51.	1000000010100000
165	12	54	53.	0000000010100000
165	12	54	55.	1000000010100000
165	12	54	56.	0000000010100000
165	12	54	57.	1000000010100000
165	12	54	58.	0000000010100000

XP1003

DDD	HH	MM	SS	DATA
165	12	55	0.	1000000010100000
165	12	55	2.	0000000010100000
165	12	55	3.	1000000010100000
165	12	55	4.	0000000010100000
165	12	55	5.	1000000010100000
165	12	55	6.	0000000010100000
165	12	55	7.	1000000010100000
165	12	55	10.	0000000010100000
165	12	55	11.	1000000010100000
165	12	55	13.	0000000010100000
165	12	55	15.	1000000010100000
165	12	55	18.	0000000010100000
165	12	55	20.	1000000010100000
165	12	55	21.	0000000010100000
165	12	55	22.	1000000010100000
165	12	55	23.	0000000010100000
165	12	55	24.	1000000010100000
165	12	55	30.	0000000010100000
165	12	55	31.	1000000010100000
165	12	55	35.	0000000010100000
165	12	55	36.	1000000010100000
165	12	55	39.	0000000010100000
165	12	55	41.	1000000010100000
165	12	55	43.	0000000010100000
165	12	55	44.	1000000010100000
165	12	55	47.	0000000010100000
165	12	55	48.	1000000010100000
165	12	55	49.	0000000010100000
165	12	55	50.	1000000010100000
165	12	55	51.	0000000010100000
165	12	55	56.	1000000010100000
165	12	55	58.	0000000010100000
165	12	55	59.	1000000010100000

XP1005

DDD	HH	MM	SS	DATA
165	12	44	2.	000000000000

DT0005

DDD	HH	MM	SS	DATA
165	12	44	2.	250.5
165	12	44	21.	249.4
165	12	45	18.	248.3
165	12	46	6.	247.2
165	12	46	57.	246.1
165	12	47	51.	244.9
165	12	48	45.	243.7
165	12	49	45.	242.6
165	12	50	39.	241.4
165	12	51	51.	242.5
165	12	52	15.	243.7

DT0005

DDD	HH	MM	SS	DATA
165	12	52	33.	245.0
165	12	52	48.	246.1
165	12	53	0.	247.2
165	12	53	12.	248.3
165	12	53	24.	249.4
165	12	53	36.	250.7
165	12	53	48.	251.8
165	12	54	0.	253.1
165	12	54	12.	254.4
165	12	54	24.	255.8
165	12	54	36.	257.1
165	12	54	48.	258.5
165	12	54	57.	259.6
165	12	55	6.	260.6
165	12	55	18.	262.0
165	12	55	27.	263.1
165	12	55	39.	264.2
165	12	55	51.	265.5

HT3211

DDD	HH	MM	SS	DATA
165	12	44	2.	.00
165	12	50	59.	22.34
165	12	51	9.	22.48
165	12	51	19.	22.54
165	12	51	29.	22.58
165	12	51	39.	22.61
165	12	51	49.	22.64
165	12	51	59.	22.66
165	12	52	9.	22.69
165	12	52	19.	22.72
165	12	52	29.	22.74
165	12	52	39.	22.77
165	12	52	49.	22.79
165	12	52	59.	22.82
165	12	53	9.	22.84
165	12	53	19.	22.86
165	12	53	29.	22.89
165	12	53	39.	22.90
165	12	53	49.	22.93
165	12	53	59.	22.95
165	12	54	9.	22.97
165	12	54	19.	22.99
165	12	54	29.	23.01
165	12	54	39.	23.04
165	12	54	49.	23.05
165	12	54	59.	23.08
165	12	55	9.	23.09
165	12	55	19.	23.12
165	12	55	29.	23.13
165	12	55	39.	23.15

HT3211

DDD	HH	MM	SS	DATA
165	12	55	49.	23.17
165	12	55	59.	23.18

ZV0316

DDD	HH	MM	SS	DATA
165	12	44	2.	.026913-24
165	12	44	12.	.547000-02
165	12	44	15.	.545000-02
165	12	44	27.	.546000-02
165	12	44	39.	.547000-02
165	12	44	45.	.546000-02
165	12	45	9.	.547000-02
165	12	45	15.	.545000-02
165	12	45	21.	.546000-02
165	12	45	42.	.548000-02
165	12	45	48.	.546000-02
165	12	45	51.	.548000-02
165	12	45	54.	.544000-02
165	12	45	57.	.547000-02
165	12	46	0.	.546000-02
165	12	46	15.	.548000-02
165	12	46	18.	.546000-02
165	12	46	21.	.545000-02
165	12	46	24.	.546000-02
165	12	46	30.	.547000-02
165	12	46	33.	.544000-02
165	12	46	36.	.546000-02
165	12	46	42.	.548000-02
165	12	46	45.	.547000-02
165	12	46	51.	.546000-02
165	12	46	54.	.545000-02
165	12	46	57.	.543000-02
165	12	47	0.	.546000-02
165	12	47	6.	.545000-02
165	12	47	18.	.544000-02
165	12	47	21.	.546000-02
165	12	47	24.	.544000-02
165	12	47	30.	.543000-02
165	12	47	33.	.546000-02
165	12	47	36.	.544000-02
165	12	47	39.	.547000-02
165	12	47	48.	.546000-02
165	12	48	0.	.548000-02
165	12	48	3.	.545000-02
165	12	48	9.	.546000-02
165	12	48	12.	.549000-02
165	12	48	21.	.546000-02
165	12	48	24.	.545000-02
165	12	48	30.	.544000-02
165	12	48	33.	.545000-02
165	12	48	36.	.547000-02

DATA PRODUCED DURING CHECKOUT OF FLEX/GNFLEX INTERFACE

HAROLD B VANWIE PROJECT NO. 4205

ZVO316 DDD HH MM SS	DATA	ZVO316 DDD HH MM SS	DATA
165 12 48 54.	.544000-02	165 12 53 12.	.544000-02
165 12 48 57.	.542000-02	165 12 53 18.	.543000-02
165 12 49 0.	.544000-02	165 12 53 21.	.544000-02
165 12 49 3.	.546000-02	165 12 53 24.	.546000-02
165 12 49 6.	.545000-02	165 12 53 27.	.548000-02
165 12 49 9.	.543000-02	165 12 53 30.	.545000-02
165 12 49 12.	.545000-02	165 12 53 39.	.547000-02
165 12 49 15.	.546000-02	165 12 53 42.	.546000-02
165 12 49 33.	.545000-02	165 12 53 48.	.545000-02
165 12 49 42.	.546000-02	165 12 53 51.	.542000-02
165 12 49 45.	.544000-02	165 12 53 54.	.543000-02
165 12 49 48.	.546000-02	165 12 54 0.	.546000-02
165 12 50 6.	.545000-02	165 12 54 3.	.544000-02
165 12 50 9.	.547000-02	165 12 54 18.	.542000-02
165 12 50 12.	.545000-02	165 12 54 21.	.543000-02
165 12 50 18.	.546000-02	165 12 54 24.	.539000-02
165 12 50 45.	.545000-02	165 12 54 27.	.544000-02
165 12 50 48.	.546000-02	165 12 54 30.	.542000-02
165 12 50 51.	.544000-02	165 12 54 33.	.541000-02
165 12 50 54.	.545000-02	165 12 54 51.	.544000-02
165 12 51 3.	.546000-02	165 12 55 0.	.543000-02
165 12 51 9.	.542000-02	165 12 55 3.	.544000-02
165 12 51 12.	.546000-02	165 12 55 27.	.551000-02
165 12 51 18.	.545000-02	165 12 55 30.	.562000-02
165 12 51 21.	.546000-02	165 12 55 33.	.561000-02
165 12 51 24.	.544000-02	165 12 55 36.	.560000-02
165 12 51 30.	.545000-02	165 12 55 51.	.549000-02
165 12 51 33.	.543000-02	165 12 55 57.	.544000-02
165 12 51 36.	.544000-02	165 12 56 1.	.540000-02
165 12 51 39.	.543000-02		
165 12 51 42.	.546000-02		
165 12 51 45.	.545000-02		
165 12 51 48.	.547000-02		
165 12 51 51.	.544000-02		
165 12 51 54.	.546000-02		
165 12 52 6.	.543000-02		
165 12 52 9.	.546000-02		
165 12 52 12.	.548000-02		
165 12 52 15.	.544000-02		
165 12 52 18.	.543000-02		
165 12 52 21.	.542000-02		
165 12 52 24.	.546000-02		
165 12 52 27.	.545000-02		
165 12 52 39.	.544000-02		
165 12 52 42.	.543000-02		
165 12 52 48.	.544000-02		
165 12 52 51.	.545000-02		
165 12 52 54.	.546000-02		
165 12 52 57.	.545000-02		
165 12 53 0.	.544000-02		
165 12 53 9.	.545000-02		

61 TABULAR GROUPS WERE SORTED AND PRINTED.

THE NUMBER OF LINES FOR EACH TABULAR GROUP EXCLUDING HEADINGS WAS ---

1	1	55	590	17	49	13	102	29	137	57	39	7	57	229	7	46	67	66	3
3	7	37	7	151	12	11	28	25	472	26	168	28	43	41	38	41	75	78	177
70	107	352	16.	29	.43	53	45	30	8	161	9	105	84	131	196	339	1	29	32
126																			

```
DYNAMIC CONTROL SEQUENCE NO.   15
LOGICAL UNIT  4 HAS BEEN DYNAMICALLY FREED
@FREE    4.
*

DYNAMIC CONTROL SEQUENCE NO.   16
LOGICAL UNIT 19 HAS BEEN DYNAMICALLY FREED
@FREE   19.
*

DYNAMIC CONTROL SEQUENCE NO.   17
LOGICAL UNIT 26 HAS BEEN DYNAMICALLY FREED
@FREE   26.
*

DYNAMIC CONTROL SEQUENCE NO.   18
LOGICAL UNIT 27 HAS BEEN DYNAMICALLY FREED
@FREE   27.
*

DYNAMIC CONTROL SEQUENCE NO.   19
LOGICAL UNIT 28 HAS BEEN DYNAMICALLY FREED
@FREE   28.
*

DYNAMIC CONTROL SEQUENCE NO.   20
LOGICAL UNIT 29 HAS BEEN DYNAMICALLY FREED
@FREE   29.
*

DYNAMIC CONTROL SEQUENCE NO.   21
LOGICAL UNIT 20 HAS BEEN DYNAMICALLY FREED
@FREE   20.
*

DYNAMIC CONTROL SEQUENCE NO.   22
LOGICAL UNIT 23 HAS BEEN DYNAMICALLY FREED
@FREE   23.
*

A TOTAL OF    5004 LINES OF DATA WAS PRINTED IN    246 SECONDS.
```

APPENDIX G

PROGRAM LISTING

Program listings are maintained in the Engineering Development Department. The major functional blocks include the following:

a. GNFLEX.- GNFLEX operates as a driver program to provide linkage for the major functions. Information necessary to execute GNFLEX is supplied from lead cards.

b. READLC.- READLC reads lead cards to determine what subsequent processing will be performed for the two general types of input tape records expected. Records used for initializing are data base records processed by IFLEX.

c. IFLEX.- Data base records are used to establish initial conditions or to update all requested data channels. The other general type records contain periodic data.

d. RFLEX.- RFLEX retrieves periodic type data records. Measurement identifications (MIDs) are compared with the input and checked for tabulation or plot requirements.

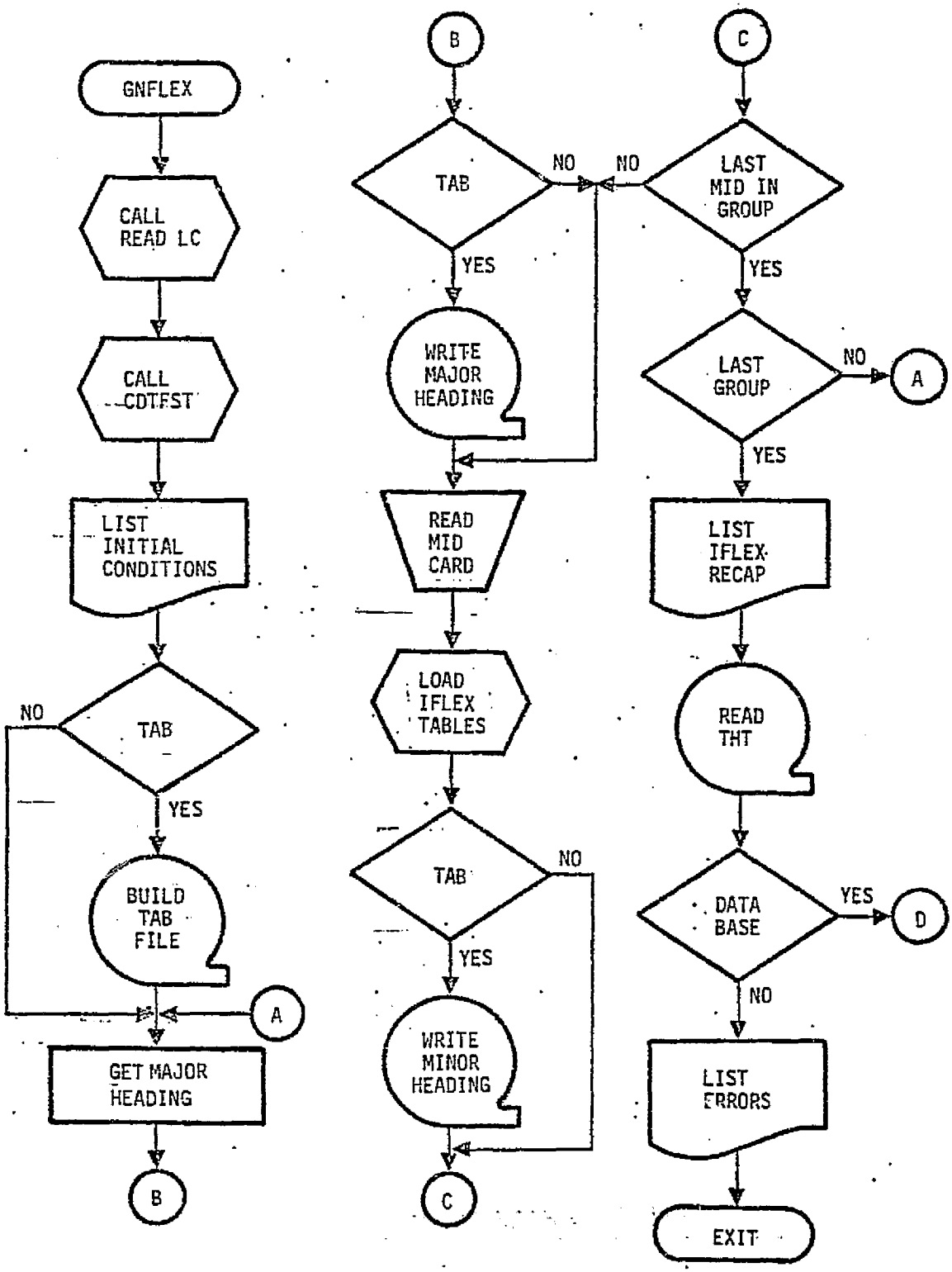
e. TFLEX.- Information stored in common blocks by IFLEX and RFLEX is encoded, stored in a buffer, band-passed if necessary. and output on file 3 of the tabulation tape for subsequent processing by the OUTLAW tabulation program.

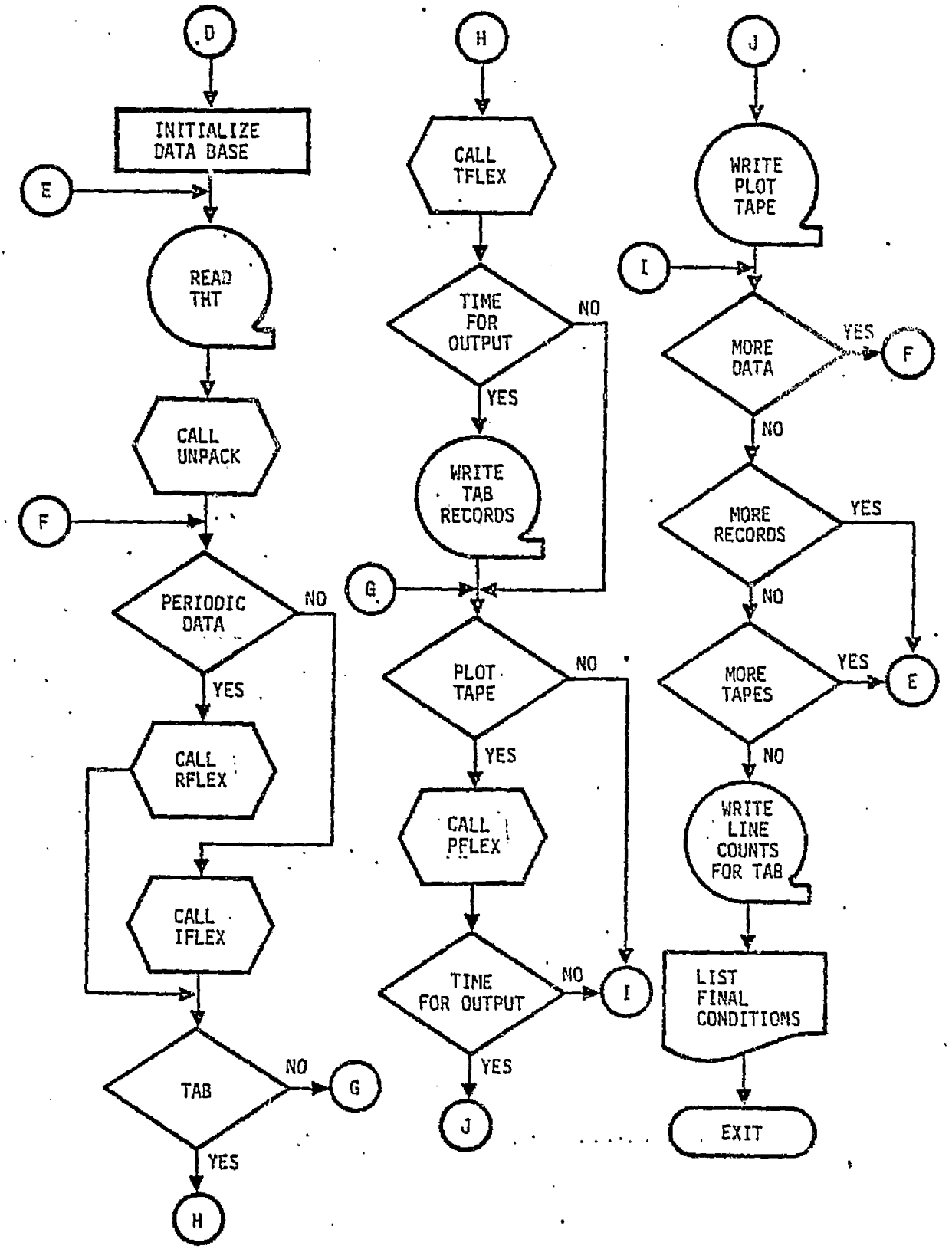
f. PFLEX.- Required time and data for the plot tape are stored in a buffer, band-passed if necessary, and written with a record word length of time plus the number of channels.

APPENDIX H

FLOWCHART

The flowchart for program GNFLEX is presented on the following pages.




D
INITIALIZE DATA BASE
E
READ THT
CALL UNPACK
F
PERIODIC DATA
NO
YES
CALL RFLEX
CALL IFLEX
TAB
NO
G
YES
H
H
CALL TFLEX
TIME FOR OUTPUT
NO
YES
WRITE TAB RECORDS
G
PLOT TAPE
NO
YES
CALL PFLEX
TIME FOR OUTPUT
NO
I
YES
J
J
WRITE PLOT TAPE
I
MORE DATA
YES
F
NO
MORE RECORDS
YES
NO
MORE TAPES
YES
E
NO
WRITE LINE COUNTS FOR TAB
LIST FINAL CONDITIONS
EXIT

APPENDIX I

CORRESPONDENCE

1. NASA/LEC TASK AGREEMENT 1; Software Development for Data Processing of Thermal Vacuum Testing.
2. Software Change Request 83-33-15.
3. Software Change Request 83-33-21.

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