#268

EXPLORER 34 IMP-F

(67-051A-04B) LEPEDEA

COUNT RATE DATA

35 tapes

IMP-F

LEPEDEA COUNT RATE DATA

67-051A-04B

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WERE 35 7-TRACK, 800 BPI TAPES WRITTEN IN BINARY. THERE ARE FIVE RESTORED TAPES. THE DR AND DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A 1418 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR01626	DS01626	D14197	1	05/26/67 - 06/08/67
		D14198	2	06/07/67 - 06/20/67
		D14199	3	06/20/67 - 07/02/67
		D14200	4	07/02/67 - 07/13/67
		D14201	5	07/13/67 - 07/25/67
		D14202	6	07/25/67 - 08/06/67
		D14203	7	08/06/67 - 08/17/67
		D14204	8	08/17/67 - 08/29/67
DR01627	DS01627	D14205	1	08/29/67 - 09/01/67
		D14206	2	09/01/67 - 09/11/67
		D14207	3	09/11/67 - 09/13/67
		D14208	4	09/13/67 - 09/25/67
		D14209	5	09/25/67 - 10/07/67
		D14210	6	10/07/67 - 10/18/67
		D14211	7	10/18/67 - 10/30/67
		D14212	8	10/30/67 - 11/11/67
DR01628	DS01628	D14213	1	11/11/67 - 11/23/67
		D14214	2	11/23/67 - 12/05/67
		D14215	3	12/05/67 - 12/17/67
		D14216	4	12/17/67 - 12/29/67
		D14217	5	12/29/67 - 01/10/68
		D14218	6	01/10/68 - 01/24/68
		D14219	7	01/24/68 - 02/05/68
		D14220	8	02/05/68 - 02/17/68

67-051A-04B

DR#	DS#	D#	FILES	TIME SPAN
DR01629	DS01629	D14221	1	02/17/68 - 02/29/68
		D14222	2	02/29/68 - 03/12/68
		D14223	3	03/12/68 - 03/20/68
		D14224	4	03/20/68 - 04/02/68
		D14225	5	04/02/68 - 04/13/68
		D14226	6	04/13/68 - 04/23/68
		D14227	7	04/23/68 - 05/05/68
		D14228	8	05/05/68 - 05/17/68
DR01595	DS01595	D14229	1	05/17/68 - 05/27/68
		D14230	2	05/27/68 - 06/08/68
		D14231	3	06/08/68 - 06/17/68

MEMORANDUM

TO: 67-051A-04B May 24, 1974

FROM: J. King

Subject: Telecon with Lu Frank, 5/23/74

Some information fields on the LEPEDEA tapes were clarified:

1. Proton and electron "readouts" (items 71, 73, 75, . . ., 485) were obtained by taking counts per accumulation interval, dividing by the accumulation duration in seconds, and rounding off to the nearest integer.

2. The counts in words 71, 73, . . ., 85 are for zero applied LEPEDEA voltage, or in other words, are background counts. The next 15 cycles of 8 readouts each are the LEPEDEA data with 15 successive non-zero voltage settings. The last cycle of 8 readouts contains the GM213 data.

3. The look direction information of items 486-1063 relates to midpoints of accumulation angles.

4. The bandpass intensities of items 1184-1303 are in units of $(cm^2$ ster sec$)^{-1}$ over the energy window.

5. The integral intensities of items 1064-1183 are in units of $(cm^2$ ster sec$)^{-1}$, and are integral in energy in that sums of bandpass intensities have been taken.

6. LEPEDEA Steps 2-16, referred to in the Iowa definitions of items 1064-1303, refer to LEPEDEA energy channels 1-15.

THE UNIVERSITY OF IOWA

IOWA CITY, IOWA 52242

Department of Physics and Astronomy
Area 319: 353-4343

31 January 1974

Mr. Julius J. Brecht
National Space Science Data Center
Code 601
Goddard Space Flight Center
Greenbelt, Maryland 20771

Dear Mr. Brecht:

We are shipping to you by air freight four (4) cartons containing thirty-five tapes of the IMP-F Master Science File.

Box 1

Reel No.	Orbit No.
F-004	1- 4
F-109	4- 7
F-059	7- 9
F-073	9-12
F-017	12-15
F-030	15-18
F-028	18-20
F-046	20-23
F-022	23-26

Box 2

Reel No.	Orbit No.
F-068	26,22-24
F-021	24-26
F-070	26-29
F-013	29-32
F-053	32-35
F-089	35-37
F-107	37-40
F-091	40-43
F-090	43-46

Box 3

Reel No.	Orbit No.
F-110	46-48
F-101	48-51
F-049	51-54
F-012	54-57
F-008	57-60
F-041	60-63
F-006	63-65
F-069	65-68
F-062	68-70

Box 4

Reel No.	Orbit No.
F-010	70-73
F-001	73-76
F-060	76-78
F-061	78-81
F-056	81-83
F-057	83-86
F-029	86-89
F-067	89-90

Orbits 1 - 21 have been redone at GSFC and received but are not processed into the Master Science File. Orbits 22 - 26, 64 - 66, and all of 67 except the data in file #28 have been reprocessed into the Master Science File. Orbit 67 has a header label missing in file #28 and the Science File program cannot extract the data from this file without the header label.

A copy of the Master Science File tape format is enclosed in Box 4. The tapes will leave Iowa City 31 January 1974. Please acknowledge receipt of this shipment with the form enclosed in Box 4.

Sincerely,

Wm. Rollin Davison

Wm. Rollin Davison
Computer Operations Manager

353 - 5327
UNIVAC 418

cc: Dr. L. A. Frank
Dr. K. L. Ackerson

IMPF MASTER FILE

ITEM	FIELD	DEFINITION	UNITS
1	EXPID	EXPERIMENTER ID	
2	SATID	SATELLITE ID	
3	REV	REVOLUTION NUMBER	
4	STA NO	STATION NUMBER	
5	ANAL TAPE NO	ANALOG TAPE NUMBER	
6	ATD ID	ANALOG TO DIGITAL LINE ID (1=F9, 2=F8)	
7	DAY	BEGINNING DAY OF THE INPUT DATA FILE	DAYS
8	MILLISEC	BEGINNING MILLISECOND OF THE INPUT DATA FILE	MSECS
9	DAY	ENDING DAY OF THE INPUT DATA FILE	DAY
10	MILLISEC	ENDING MILLISECOND OF THE INPUT DATA FILE	MSECS
11	SEQ TIME	AVERAGE SEQUENCE TIME FOR THE INPUT DATA FILE	MSECS
12	QL FG	QUICK LOOK FLAG	
13	OR FG	ORBIT/NO ORBIT DATA FLAG	
14	YR	YEAR OF DECOMM PROCESSING	YEARS
15	MO	MONTH OF DECOMM PROCESSING	MONTHS
16	DA	DAY OF DECOMM PROCESSING	DAYS
17	HR	HOUR OF DECOMM PROCESSING	HOURS
18	ORBIT TAPE ID	ORBIT TAPE ID REEL NUMBER	

IMPF MASTER FILE

ITEM	FIELD	DEFINITION	UNITS
19	YR	YEAR OF ORBIT TAPE GENERATION	YEARS
20	MO	MONTH OF ORBIT TAPE GENERATION	MONTHS
21	DA	DAY OF ORBIT TAPE GENERATION	DAYS
22	SPIN PERIOD	AVERAGE SPIN PERIOD	MSECS
23	YR	YEAR OF ORBIT START	YEARS
24	YR	YEAR OF ORBIT END	YEARS
25	DAY	DAY OF ORBIT DATA	DAYS
26	MILLISEC	MILLISECONDS OF ORBIT DAY	MSECS
27	LONG	GEOCENTRIC LONGITUDE OF SATELLITE POSITION	DEGREES
28	LAT	GEOCENTRIC LATITUDE OF SATELLITE POSITION	DEGREES
29	RAD	DISTANCE FROM CENTER OF EARTH	KM
30	RO	GEOMAGNETIC RANGE	EARTH RADII
31	GLAT	GEOMAGNETIC LATITUDE OF SATELLITE POSITION	DEGREES
32	L	MCILLWAIN MAGNETIC SHELL RADIUS	EARTH RADII
33	B	MAGNETIC FIELD STRENGTH	GAUSS
34	B/BO	RATIO	
35	RFRA	RIGHT ASCENSION (REAL FIELD COORDINATES)	DEGREES
36	RFDECL	DECLINATION (REAL FIELD COORDINATE)	DEGREES
37	XSE		
38	YSE	SOLAR ECLIPTIC SATELLITE	KM
39	ZSE	POSITION VECTOR	

IMPF MASTER FILE

ITEM	FIELD	DEFINITION	UNITS
40	XSM		
41	YSM	SOLAR MAGNETOSPHERIC SATELLITE	KM
42	ZSM	POSITION VECTOR	
43	XC		
44	YC	CELESTIAL INERTIAL SATELLITE	KM
45	ZC	POSITION VECTOR	
46	XSUN		
47	YSUN	CELESTIAL INERTIAL SUN	KM
48	ZSUN	POSITION VECTOR	
49	SESA	SUN-EARTH-SATELLITE ANGLE	DEGREES
50	RA	CELESTIAL INERTIAL RIGHT ASCENSION OF SPACECRAFT	DEGREES
51	DECL	CELESTIAL INERTIAL DECLINATION OF SPACECRAFT	DEGREES
52	PSM	SOLAR MAGNETOSPHERIC RIGHT ASCENSION OF SPACECRAFT	DEGREES
53	TSM	SOLAR MAGNETOSPHERIC DECLINATION OF SPACECRAFT	DEGREES
54	PSE	SOLAR ECLIPTIC RIGHT ASCENSION OF SPACECRAFT	DEGREES
55	TSE	SOLAR ECLIPTIC DECLINATION OF SPACECRAFT	DEGREES
56	LOCAL TIME	GEOCENTRIC LOCAL TIME OF SPACECRAFT	DEGREES
57	GLONG	GEOMAGNETIC LOCAL TIME OF SPACECRAFT	DEGREES

IMPF MASTER FILE

ITEM	FIELD	DEFINITION	UNITS
58	PP8	+28 VOLT LINE (AVERAGE FOR SEVENTEEN SEQUENCES)	VOLTS
59	PP20	SUI VOLTS (AVERAGE FOR SEVENTEEN SEQUENCES)	VOLTS
60	PP17	BTL TEMPERATURE NEAR SUI EXPERIMENT	DEGREES
61	TQF	TIME QUALITY FLAG (SEE APPENDIX)	
62	DAY	DAY OF THIS DATA FRAME	DAYS
63	MILLISEC	MILLISECOND OF THIS DATA FRAME	MSECS
64	PSQF	PSEUDO-SEQUENCE COUNT QUALITY FLAG (SEE APPENDIX)	
65	PSEQ	PSEUDO-SEQUENCE COUNTER	
66	SIDQF	SEQUENCE ID QUALITY FLAG (SEE APPENDIX)	
67	SID	SEQUENCE ID	
68	SUI	SUI ON/OFF FLAG	
69	CLOCK	SATELLITE CLOCK	
70	P*	PARITY FLAG P1(1)	
71	P1(1)	PROTON READOUT STEP 1, SECTOR 1	CPS
72	P*	PARITY FLAG E1(1)	
73	E1(1)	ELECTRON READOUT STEP 1, SECTOR 1	CPS
74	P*	PARITY FLAG P2(1)	
75	P2(1)	PROTON READOUT STEP 1, SECTOR 2	CPS
76	P*	PARITY FLAG E2(1)	
77	E2(1)	ELECTRON READOUT STEP 1, SECTOR 2	CPS

IMPF MASTER FILE

ITEM	FIELD	DEFINITION	UNITS
78	P*	PARITY FLAG P3(1)	
79	P3(1)	PROTON READOUT STEP 1, SECTOR 3	CPS
80	P*	PARITY FLAG E3(1)	
81	E3(1)	ELECTRON READOUT STEP 1, SECTOR 3	CPS
82	P*	PARITY FLAG P4(1)	
83	P4(1)	PROTON READOUT STEP 1, SECTOR 4	CPS
84	P*	PARITY FLAG E4(1)	
85	E4(1)	ELECTRON READOUT STEP 1, SECTOR 4	CPS
86-485		ITEMS 61-85 ARE REPEATED 16 MORE TIMES, THUS GIVING A COMPLETE LEPEDEA CYCLE. REPETITIONS 1-16 ARE READOUTS OF THE LEPEDEA ELECTRON AND PROTON CHANNELS. REPITION 17 IS THE READOUT OF THE GM213 Ei(17) IS A REDUNDANT READOUT OF Pi(17), i=1,2,3,4.	
486	SASA(1)	SPIN AXIS-SUN ANGLE, STEP 1	DEGREES
487	OA1(1)	SUN TIME, STEP 1	MSECS
488	OA2(1)	SPIN PERIOD, STEP 1	MSECS
489	OA3(1)	EARTH TIME, STEP 1	MSECS
490	OA4(1)	EARTH WIDTH, STEP 1	MSECS
491	PP2(1)	LEPEDEA VOLTAGE, STEP 1	VOLTS
492	PSM1(1)	SM.RGT. ASC. OF DETECTOR FIELD OF VIEW, SECTOR 1, STEP 1	DEGREES
493	TSM1(1)	SM. DECL. OF DETECTOR FIELD OF VIEW, SECTOR 1, STEP 1	DEGREES

IMPF MASTER FILE

ITEM	FIELD	DEFINITION	UNITS
494	PSE1(1)	SE RGT. ASC. OF DETECTOR FIELD OF VIEW, SECTOR 1, STEP 1	DEGREES
495	TSE1(1)	SE DECL. OF DETECTOR FIELD OF VIEW, SECTOR 1, STEP 1	DEGREES
496	RA1(1)	GEI RGT. ASC. OF DETECTOR FIELD OF VIEW, SECTOR 1, STEP 1	DEGREES
497	DC1(1)	GEI DECL OF DETECTOR FIELD OF VIEW, SECTOR 1, STEP 1	DEGREES
498	B1(1)	B-VECTOR-DETECTOR FIELD OF VIEW ANGLE, SECTOR 1, STEP 1	DEGREES
499-519		ITEMS 492-498 ARE REPEATED 3 MORE TIMES FOR SECTORS 2, 3 AND 4.	
520-1063		ITEMS 486-519 ARE REPEATED 16 MORE TIMES, ONCE FOR EACH SEQUENCE OF THE LEPEDEA.	
1064	JE1(1)	ELECTRON INTEGRAL INTENSITY, SECTOR 1, STEP 2	
1065	JE2(1)	ELECTRON INTEGRAL INTENSITY, SECTOR 2, STEP 2	
1066	JE3(1)	ELECTRON INTEGRAL INTENSITY, SECTOR 3, STEP 2	
1067	JE4(1)	ELECTRON INTEGRAL INTENSITY, SECTOR 4, STEP 2	
1068	JP1(1)	PROTON INTEGRAL INTENSITY, SECTOR 1, STEP 2	
1069	JP2(1)	PROTON INTEGRAL INTENSITY, SECTOR 2, STEP 2	
1070	JP3(1)	PROTON INTEGRAL INTENSITY, SECTOR 3, STEP 2	
1071	JP4(1)	PROTON INTEGRAL INTENSITY, SECTOR 4, STEP 2	

IMPF MASTER FILE

ITEM	FIELD	DEFINITION	UNITS
1072-1183		ITEMS 1064-1071 ARE REPEATED 14 MORE TIMES FOR SEQUENCES 3-16 RESPECTIVELY.	
1184	JED1(1)	ELECTRON BANDPASS INTENSITY, SECTOR 1, STEP 2	
1185	JED2(1)	ELECTRON BANDPASS INTENSITY, SECTOR 2, STEP 2	
1186	JED3(1)	ELECTRON BANDPASS INTENSITY, SECTOR 3, STEP 2	
1187	JED4(1)	ELECTRON BANDPASS INTENSITY, SECTOR 4, STEP 2	
1188	JPD1(I)	PROTON BANDPASS INTENSITY, SECTOR 1, STEP 2	
1189	JPD2(1)	PROTON BANDPASS INTENSITY, SECTOR 2, STEP 2	
1190	JPD3(1)	PROTON BANDPASS INTENSITY, SECTOR 3, STEP 2	
1191	JPD4(1)	PROTON BANDPASS INTENSITY, SECTOR 4, STEP 2	
1192-1303		ITEMS 1184-1191 ARE REPEATED 14 MORE TIMES FOR SEQUENCES 3-16 RESPECTIVELY.	
1304	XE	ELECTRON NUMBER DENSITY	
1305	YE	ELECTRON ENERGY DENSITY	
1306	XP	PROTON NUMBER DENSITY	
1307	YP	PROTON ENERGY DENSITY	

* DATA QUALITY AS INDICATED BY THE PARITY FLAG (P) IS SHOWN IN THE FOLLOWING TABLE:

P	DATA QUALITY
3	GOOD
2	FAIR
1	BAD
0	UNDETERMINED

1	2	3	4	5	6
I M P F X X	X X X X X	X X X X	X X X X X X	X X X X	X X X X X X
EXP ID	SAT ID	REV	STA NO	ANAL TAPE NO	AID ID -------START OF DAY

7	8	9	10	11	12
X X X X X X	X X X X X	X X X X X X	X X X X X	X X X X X X	X X X X
MILLISEC THIS FILE-------	DAY ----END OF THIS FILE----------	MILLISEC	SEQ TIME (AVG)	QL OR FG FG	YR MO ----DECOMM PROCESS DATE------ DA HR

13	14	15	16	17	18
X X X X	X X X X X X	X X X X X	X X X X	X X X X X	X X X X X X
ORBIT TAPE ID	YR MO DA	SPIN PERIOD	YR (BEGIN) YR (END)	DAY	MILLISEC

19	20	21	22	23	24
± X X X X	± X X X X	X X X X X X	X X . X X	± X X X X	X X . X X
LONG	LAT	RAD	RO	GLAT	L

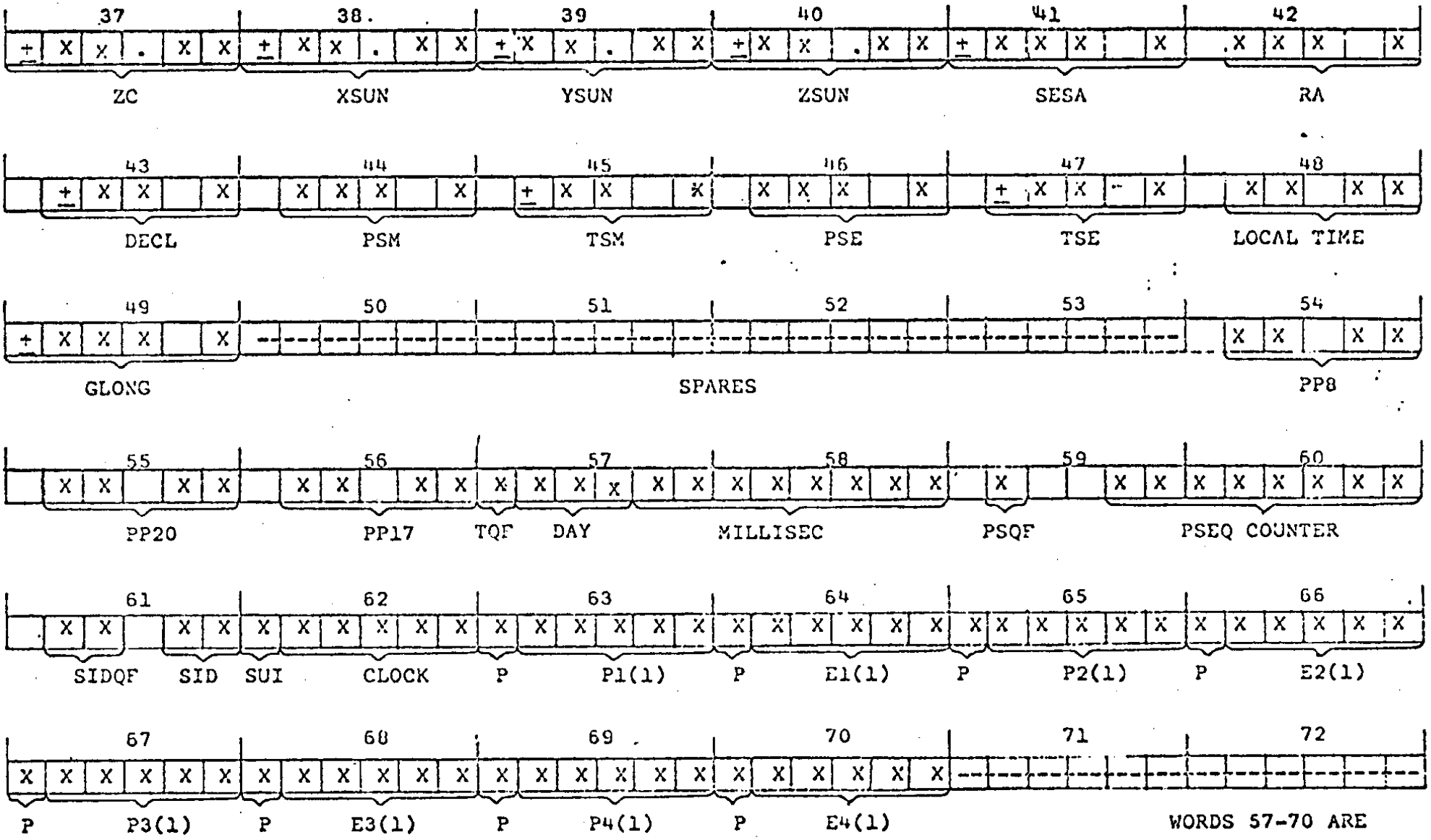
25	26	27	28	29	30
X X X X X	X X X X X	X X X X X	± X X X X	± X X . X X	± X X . X X
B	B/BO	RFRA	RFDECL	XSE	YSE

31	32	33	34	35	36
± X X . X X	± X X . X X	± X X . X X	± X X . X X	± X X . X X	± X X . X X
ZSE	XSM	YSM	ZSM	XC	YC

FILE NAME IMPF MASTER FILE PROGRAM NAME IMPFRED PROGRAMMER SHOPE - WEBB

DATE 6/2/67 RECORD LENGTH 1240 WORDS MODE BCD CODE BCD DENSITY 800

ADDITIONAL INFORMATION:



FILE NAME _____ PROGRAM NAME _____ PROGRAMMER _____

DATE _____ RECORD LENGTH _____ MODE _____ CODE _____ DENSITY _____

ADDITIONAL INFORMATION: _____

294	295	296
- - - - - - - - - - D A T A -	± X X X . X	X X X X X .
	SASA(I)	OA1(I)

REPEATED 16 MORE TIMES
(ONCE FOR EACH SEQUENCE)

297	298	299	300	301	302
X X X X X .	X X X X X .	X X X X X .	X X X X X	X X X X	± X X X
OA2(1)	OA3(1)	OA4(1)	PP2(1)	PSM1(1)	TSM1(1)

303	304	305	306	307	308
X X X X	± X X X	X X X . X	± X X . X	± X X X X	X X X X
PSE1(1)	TSE1(1)	RA1(1)	DC1(1)	B1(1)	PSM2(1)

309	310	311	312	313	314
± X X X	X X X X	± X X X	X X X . X	± X X . X	± X X X X
TSM2(1)	PSE2(1)	TSE2(1)	RA2(1)	DC2(1)	B2(1)

315	316	317	318	319	320
X X X X	± X X X	X X X X	± X X X	X X X . X	± X X . X
PSM3(1)	TSM3(1)	PSE3(1)	TSE3(1)	RA3(1)	DC3(1)

321	322	323	324	325	326
± X X X X	X X X X	± X X X	X X X X	± X X X	X X X . X
B3(1)	PSM4(1)	TSM4(1)	PSE4(1)	TSE4(1)	RA4(1)

FILE NAME ______ PROGRAM NAME ______ PROGRAMMER ______

DATE ______ RECORD LENGTH ______ MODE ______ CODE ______ DENSITY ______

327	328	329
± X X . X	± X X X X	ATTITUDE
DC4(1)	B4(1)	

WORDS 295-328 ARE REPEATED 16 MORE TIMES
(ONCE FOR EACH SEQUENCE)

872	873	874	875	876	877
	X X X E ± X X	X X X E ± X X	X X X E ± X X	X	
	JE1(1)	JE2(1)	JE3(1)		

878	879	880	881	882	883
X X E ± X X	X X X E ± X X	X X X E ± X X	X X X E ± X X	X	
JE4(1)	JP1(1)	JP2(1)	JP3(1)		

884
X X E ± X X LEPEDEAFLUX
JP4(1)

WORDS 873-884 ARE REPEATED 14 MORE TIMES
(ONCE FOR EACH LEPEDEA SEQUENCE)

1052	1053	1054	1055	1056	1057
	X X X E ± X X	X X X E ± X X	X X X E ± X X	X	
	JED1(1)	JED2(1)	JED3(1)		

1058	1059	1060	1061	1062	1063
X X E ± X X	X X X E ± X X	X X X E ± X X	X X X E ± X X	X	
JED4(1)	JPD1(1)	JPD2(1)	JPD3(1)		

FILE NAME _____ PROGRAM NAME _____ PROGRAMMER _____

DATE _____ RECORD LENGTH _____ MODE _____ CODE _____ DENSITY _____

PAGE

1064	1065
X X E ± X X	L E P E D E A D C L T A J

JPD4(1)

WORDS 1053-1064 ARE REPEATED 14 MORE TIMES
(ONCE FOR EACH LEPEDEA SEQUENCE)

1232	1233	1234	1235	1236	1237
	X . X X X E ± X X		X . X X X E ± X X		X . X
	XE		YE		

1238	1239	1240
X X E ± X X	X . X X X E ± X X	
XP	YP	

FILE NAME_____ PROGRAM NAME_____ PROGRAMMER_____

DATE_____ RECORD LENGTH_____ MODE_____ CODE_____ DENSITY_____

IMPF04 00013 001000020015 1146 741000046 81300000 20454216707 3000 00016707261 02246 67 67146 REC 1. LENGTH 7452

15 16

D-14197
5/26/67 - 6/08/67

77122563 -59.6 0.9216842.35.69 12.6 35.770.0000 1.23 330.3 65.4 -9.24 32.68 -2.25 -9.24 31.42
9.27-33.31 6.96 0.56 0.43 0.84 0.37 103.8 168.2 0.9 106.4 15.8 105.8 -3.8 17.5 17.8
25.86 1.46 12.481 -1 -1-1 -1 -1 -11 -11 -11 -11 -11 -11
-11 -11 -11 -11 -1 -1-1 -1 -1 -11 -11 -11 -11 -11 -11 -11 -11 -11
-11 -1 -1-1 -1 -1 -11 -11 -11 -11 -11 -11 -11 -11 -11 -1 -1
-1 -1 -1 -11 -11 -11 -11 -11 -11 -11 -11 -11 -1 -1-1 -1 -1
-11 -11 -11 -11 -11 -11 -11 -11 -11 -11 -11 -1 -1-1 -1 -11 -11 -11
-11 -11 -11 -11 -11 -11 -11 -1 -1-1 -1 -1 -11 -11 -11 -11 -11 -1
1 -11 -11 -11 -111467712 2563 1 54329 3 25*543290 -10 -10 -10 -10 00 00
00 011467714301824 54330 0 260543303 03 03 03 03 03 03 03 011467716
347224 54331 0 270543313 03 03 03 03 03 03 03 03 011467718392724 54332
0 280543323 03 03 03 03 03 03 03 03 011467720438124 54333 0 290543333
03 03 03 03 03 03 03 011467722483524 54334 0 300543343 03 03 03
03 03 03 03 011467724529024 54335 0 310543353 03 03 03 03 03 0
3 03 011467726574424 54336 0 00543363 03 03 03 03 03 03 03 01146
7728619924 54337 0 11543373 03 03 1753 2073 03 03 03 211467730665324 5
4338 0 21543383 253 253 623 623 173 173 203 20 -1.0 -1. -1. -1. -1. -1.00
-1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1
.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1. -1. -1. -1. -
1.00 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
-1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1. -1. -1. -
1. -1.00 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
-1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
-1. -1.00 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.
.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1. -1.
-1. -1. -1.00 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
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