[redacted]

#612

VOYAGER 1 & 2

SCAN AVERAGE, SATURN ENCOUNTER
77-084A-07C
77-076A-07C

VOYAGER 1

SCAN AVERAGE, SATURN ENCOUNTER

77-084A-07C

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a VAX computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR004408	DS004408	D059504	1	11/12/80 - 11/13/80

VOYAGER 2

SCAN AVERAGE, SATURN ENCOUNTER

77-076A-07C

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a VAX computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR004409	DS004409	D059505	1	08/24/81 - 08/25/81

REQ. AGENT	RAND NO.	ACQ. AGENT
BER	V0213	WSC

VOYAGER 1 & 2

SCAN AVERAGE, SATURN ENCOUNTER

77-084A-07C

77-076A-07C

These data sets consists of one tape each. They are 9 track, 1600 BPI, binary, and were created on an VAX/VMS computer. The document B29728-000A 'The Low Energy Charged Particle (LECP) Experiment On The Voyager Spacecraft' , should be sent with requests. The D and C numbers, along with the time spans follow:

77-084A-07C, VOYAGER 1

D#	C#	TIME SPAN
D-59504	C-23445	11/12/80 - 11/13/80

77-076A-07C, VOYAGER 2

D#	C#	TIME SPAN
D-59505	C-23446	08/24/81 - 08/25/81

VOYAGER LECP SCAN AVERAGE TAPE RECORD FORMAT.

RECORD LENGTH: 10000 BYTES

ORIGINATING COMPUTER: VAX/VMS

HEADER ITEMS: IHED(100) I*2 WORDS.

ITEM	NAME	TYPE	DESCRIPTION	WORD
1	SCID	I*2	SPACECRAFT IDENTIFICATION/MODE LEFT BYTE IS S/C ID, 0=VGR 2 1=VGR 1 RIGHT BYTE IS MODE(HEX) A=GS3, 7=CR1, 1=CR2, 2=CR3,5=CR6,8=NE	1
2	REC#	I*2	LOGICAL RECORD NUMBER ORIGINAL FAT RUN	2
3	ST01	I*2	FIRST OCCURENCE OF STATUS WORD 1	3
4	ST01	I*2	LAST OCCURENCE OF STATUS WORD 1	4
5	ST02	I*2	FIRST OCCURENCE OF STATUS WORD 2	5
6	ST02	I*2	LAST OCCURENCE OF STATUS WORD 2	6
7	ST03	I*2	FIRST OCCURENCE OF STATUS WORD 3	7
8	ST03	I*2	LAST OCCURENCE OF STATUS WORD 3	8
9	ST04	I*2	FIRST OCCURENCE OF STATUS WORD 4	9
10	ST04	I*2	LAST OCCURENCE OF STATUS WORD 4	10
11	ST05	I*2	FIRST OCCURENCE OF STATUS WORD 5	11
12	ST05	I*2	LAST OCCURENCE OF STATUS WORD 5	12
13	ST06	I*2	FIRST OCCURENCE OF STATUS WORD 6	13
14	ST06	I*2	LAST OCCURENCE OF STATUS WORD 6	14
15	MPOS	I*2	MOTOR POSITION(0,1,2,3,4,5,6,7)	
16	TTEMP	I*2	TEL. TEMP, (128*CENT. DEG)(-9999 IF UNK.)	
17	LOGT	I*2	LOG AMP. TEMP. (128* CENT.DEG.)	17
18	TIMUNT	I*2	BASIC ACCUM. TIME UNIT IN SECONDS FROM MRT	18
19	NGRP	I*2	NUMBER OF RATE GROUPS IN THIS FORMAT	19
20	G18/SCETF		GROUP 18 I.D./SC EVENT TIME FLAG	20
21	LEPT/LEMPA		FLAG FOR THE GS3 50-50 MODE 0=LEPT, 1=LEMPA	21
22	AVGINC		100*AVERAGING INCREMENT IN HOURS.	
23	AVYEAR		AVG. WINDOW YEAR AT START	
24	AVDAY		AVG. WINDOW DAY AT START	
25	AVHOUR		AVG. WINDOW HOUR AT START	
26	AVSEC		AVG. WINDOW SECONDS AT START	
27-29	SPARES			
30	ITALP	I*2	TIME CONSTANT FOR P-ALPHA COR.(NANOSECS.)	
31	ITALB	I*2	TIME CONSTANT FOR E BETA COR.(NANOSECS.)	
32-34	SPARES			
35	SECST	I*2	16*AVG BEGIN TIME IN SECONDS	
36	SECSP	I*2	16*AVG END TIME IN SECONDS	36
37	M60F	I*2	VALUE OF MOD 60 AT FIRST APPEARANCE	37
38	M60L	I*2	VALUE OF MOD 60 AT LAST APPEARANCE	38
39	M16F	I*2	VALUE OF MOD 2**16 AT FIRST APPEARANCE	39
40	M16L	I*2	VALUE OF MOD 2**16 AT LAST APPEARANCE	40
41	SCETHS	I*2	SPACECRAFT EVENT TIME HOUR AT START	41
42	SCETHE	I*2	SPACECRAFT EVENT TIME HOUR AT END	42
43	SCETSS	I*2	SPACECRAFT EVENT TIME SECOND AT START	43
44	SCETSE	I*2	SPACECRAFT EVENT TIME SECOND AT END	44
45	SCETMS	I*2	SPACECRAFT EVENT TIME MILLISECOND START	45
46	SCETME	I*2	SPACECRAFT EVENT TIME MILLISECOND END	46
47	SCETYS	I*2	SPACECRAFT EVENT TIME YEAR AT START	47
48	SCETYE	I*2	SPACECRAFT EVENT TIME YEAR AT END	48
49-100	SPARES.			

THE FOLLOWING 1000 ITEMS, FLOATING POINT, ARE THE COUNT RATES OF 100 DATA CHANNELS IN 10 SECTOR POSITIONS.
THE SUBSCRIPTING OF THE RATES(I,J) ARRAY IS: FIRST INDEX IS CHANNEL NUMBER AND SECOND INDEX IS SECTOR (1-8 AS USUAL, 9 = DON'T KNOW, AND 10 = SCAN AVERAGE). THE 100 CHANNELS ARE DESCRIBED BELOW:

NUM.	NAME	SPECIES	ENERGY(MEV/NUCLEON) (NOMINAL)	DETECTOR
1	EB01	ELECTRON	0.015 TO 0.037	BETA
2	EBD1	ELECTRON	0.015 TO 0.200	BETA PRIME
3	EB02	ELECTRON	0.037 TO 0.061	BETA
4	EBD2	ELECTRON	0.037 TO 0.200	BETA PRIME
5	EB03	ELECTRON	0.070 TO 0.112	BETA
9	EB05	ELECTRON	0.20 & UP	BETA
10	EBD5	ELECTRON	0.20 & UP	BETA PRIME
11	EG06	ELECTRON	0.20 & UP	GAMMA
12	EG07	ELECTRON	0.40 & UP	GAMMA
13	EG08	ELECTRON	0.70 & UP	GAMMA
14	EG09	ELECTRON	1.50 & UP	GAMMA
15	44	ELECTRON	0.35 TO 1.50	E4(E5A)(E3)(E2)
16	45	ELECTRON	2.5 & UP	E4 E3A (E3C)(E5A)(E2)
17	37	ELECTRON	6.0 & UP	E4 (E4A)E3C(E5A)(E2)
18	PL01	Z.GE.1	0.030 TO 0.053 (Z=1)	A1(A2)
19	PL02	Z.GE.1	0.053 TO 0.085 (Z=1)	A2(A3)
20	PL03	Z.GE.1	0.085 TO 0.139 (Z=1)	A3(A4)
21	PL04	Z.GE.1	0.139 TO 0.200 (Z=1)	A4(A5)
22	PL05	Z.GE.1	0.200 TO 0.550 (Z=1)	A5(A6)
23	PL06	Z.GE.1	0.540 TO 1.05 (Z=1)	A6(A7)
24	PL07	Z.GE.1	1.05 TO 2.03 (Z=1)	A7(A8)
25	PL08	Z.GE.1	2.03 TO 4.01 (Z=1)	A8(A9)
26	32	PROTONS	0.27 TO 0.70	E0 E2 (E3)
27	1	PROTONS	0.48 TO 1.40	E1 E2 (E3) (L12A)
28	10	PROTONS	4.10 TO 10.0	E2 E3 (E4)
29	11	PROTONS	10.0 TO 22.0	E2 E3 (E4)
30	16	PROTONS	3.0 TO 19.0	E5 E4 (E3)
31	23	PROTONS	19.0 TO 31.0	E5 E4 E3 (E2)
32	27	PROTONS	31.0 TO 150.0	E5 E4 E3 E2
33	31	PROTONS	240. & UP	E4 E3
34	39	ALPHAS	0.075 TO 0.150	E0 (E2)
35	33	ALPHAS	0.150 TO 0.430	E0 E2 (E3)
36	D1F1	ALPHAS	0.150 TO 1.10	E1
37	3	ALPHAS	0.39 TO 1.50	E1 E2 (E3) L12A (L12B)
38	4	ALPHAS	1.50 TO 3.70	E1 E2 (E3) L12A (L12B)
39	12	ALPHAS	4.20 TO 8.90	E2 E3 (E4) (L23A)
40	13	ALPHAS	8.90 TO 21.0	E2 E3 (E4) (L23A)
41	17	ALPHAS	3.0 TO 21.0	E5 E4 (E3) L54A (L54B)
42	24	ALPHAS	21.0 TO 31.0	E5 E4 E3 (E2)
43	28	ALPHAS	34.0 TO 64.0	E5 E4 E3 E2
44	AL01	ALPHAS	0.98 TO 1.77	A9(A10)
45	AL02	ALPHAS	1.77 TO 4.22	A10
46	34	ALPHAS	0.23 TO 0.44	E0 E2 (E3)
47	5	L-NUCLEI	0.60 TO 4.20	E1 E2 (E3) L12B (L12C)
48	14	L-NUCLEI	5.50 TO 33.0	E2 E3 (E4) L23A (L23B)
49	18	L-NUCLEI	4.0 TO 21.0	E5 E4 (E3) L54B (L54C)
50	38	M-NUCLEI	0.047 TO 0.125	E0 (E2)
51	35	M-NUCLEI	0.125 TO 0.260	E0 E2 (E3)
52	D1F2	M-NUCLEI	0.130 TO 10.	E1
53	6	M-NUCLEI	0.440 TO 2.90	E1 E2 (E3)
54	7	M-NUCLEI	2.90 TO 7.80	E1 E2 (E3)
55	15	M-NUCLEI	7.80 TO 40.0	E2 E3 (E4) L23B (L23C)

57	20	M-NUCLEI	10.0	TO 42.0	E5 E4 (E3) L54C (L54D)
58	25	M-NUCLEI	42.0	TO 64.0	E5 E4 E3 (E2)
59	29	M-NUCLEI	64.0	TO 200.	E5 E4 E3 E2
60	36	H-NUCLEI	0.062	TO 0.105	E0 E2 (E3)
61	8	H-NUCLEI	0.250	TO 2.00	E1 E2 (E3)
62	9	H-NUCLEI	2.00	TO 13.0	E1 E2 (E3)
63	43	H-NUCLEI	13.0	TO 74.0	E2 E3 (E4) L23C
64	21	H-NUCLEI	8.60	TO 21.0	E5 E4 (E3) L54D
65	22	H-NUCLEI	21.0	TO 86.0	E5 E4 (E3) L54D
66	26	H-NUCLEI	86.0	TO 125.	E5 E4 E3 (E2)
67	30	H-NUCLEI	125.0	& UP	E5 E4 E3 E2
68	42	MISC.			AR
69	42	MISC.			E0
70	42	MISC.			E1
71	42	MISC.			E2
72	42	MISC.			E3
73	42	MISC.			E4
74	42	MISC.			E5
75	42	MISC.			AL
76	41	MISC.			AL AR

C NEAR ENCOUNTER ONLY DATA CHANNELS

77	ESA0	ELECTRONS	2.5 & UP		A SINGLES
78	ESB0	ELECTRONS	8.5 & UP		B SINGLES
79	AB10	ELECTRONS	8.5 & UP		A1 B0 COINC.
80	DP09	IONS	0.285	TO 5.02	DELTA '
81	DP10	IONS	0.480	TO 2.58	DELTA '
82	DP11	IONS	0.725	TO 1.64	DELTA '
83	PD09	IONS	0.285	TO 5.25	DELTA
84	PD10	IONS	0.480	TO 2.72	DELTA
85	PD11	IONS	0.725	TO 1.72	DELTA
86	AB12	IONS	54.0	TO 87.3	A1 B2 COINC.
87	AB13	IONS	87.3	TO 152.	A1 B3 COINC.
88	PSA1	IONS	15.8	TO 158.	A1 SINGLES
89	PSA2	IONS	15.8	TO 49.0	A2 SINGLES
90	PSA3	IONS	16.3	TO 26.2	A3 SINGLES
91	PSB1	IONS	54.0	TO 174.	B1 SINGLES
92	PSB2	IONS	54.0	TO 87.3	B2 SINGLES
93	PSB3	IONS	54.0	TO 59.0	B3 SINGLES
94	DA03	IONS Z.GE.2	0.480	TO 2.45	DELTA '
95	DA04	IONS Z.GE.2	0.780	TO 1.41	DELTA '
96	DZ01	IONS Z.GT.2	0.405	TO 18.8	DELTA '
97	AD03	IONS Z.GE.2	0.480	TO 2.58	DELTA
98	AD04	IONS Z.GE.2	0.780	TO 1.48	DELTA
99	ZD01	IONS Z.GT.2	0.400	TO 19.8	DELTA
100	SPARE				

1001-2000 UNCERTAINTIES OF ITEMS 1-1000, SAME SUBSCRIPTING IN UNITS OF 64*PERCENT

2001-3000 NUMBER OF SAMPLES OF ITEMS 1-1000, SAME SUBSCRIPTING, IN UNITS OF BASIC ACCUM. TIME FOR MODE

SPARES ISPARE(400) I*2 WORDS

701-800 FLUXES CORRESPONDING TO ITEMS 1-100 ABOVE
DIFFERENTIAL FLUXES EVALUATED AT STANDARD VALUES OF THE ENERGY AND CORRECTED FOR FINITE PASSBAND WIDTHS AND CONTAMINATION BY UNDESIRED SPECIES.

801-900 FLUX UNCS. IN UNITS OF 64*PERCENT

BY EXPRESSING THE UNCERTAINTY IN UNITS OF 64*PERCENT
WE CAN USED AN INTEGER VARIABLE HERE. THIS HAS TWO ADVAN-
TAGES: ONE, IT SAVES SPACE IN THE RECORD, AND TWO, REAL
NUMBERS HAVE TO BE CONVERTED INTO MACHINE-DEPENDENT
FORM OF INTERNAL BINARY WORD.

SPARES 200 I*2 WORDS OF SPARES.

THE RECORD CAN BE ACCESSED FROM FORTRAN WITH THE VARIABLES:

```
      IHED(100),RATES(100,10),UNCS(100,10),NSAMP(100,10),ISPARE(400),
     FLUX(100),FLXUNC(100),ISPARE1(200)
```

WHERE IHED(100)	IS	I*2	200 BYTES
RATES(100,10)	IS	R*4	4000 BYTES
UNCS(100,10)		I*2	2000 BYTES
NSAMP(100,10)		I*2	2000 BYTES
ISPARE(400)		I*2	800 BYTES
FLUX(100)		R*4	400 BYTES
FLXUNC(100)		I*2	200 BYTES
ISPARE1(200)		I*2	400 BYTES

DR/DS004408

CN1111
VOYAGER 1
1980/317-318
11/12/80—11/13/80

RECORD 1 OF FILE 1
LENGTH = 10000 BYTES

010A0100	DF02DF02	0E010E01	80028002	1A001A00	DA01DA01	89028902	07000000	00000000	00000000
00000000	00000000	00000000	00000000	00000100	01004120	41200000	00005400	14001400	62886288
B81DB81D	53005300	19001900	50005000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00003147	33303731	20200000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00003147	33303731	20200000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
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00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

RECORD 589 OF FILE 1
LENGTH = 10000 BYTES

010A0100	FF01FF01	0E010E01	80028002	1A001A00	D002E001	A903E900	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000100	01004120	41200000	60001E03	3B000700	9D889E88
E71DE71D	730AF30B	3D003D00	50005000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00003147	33303831	204B0000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00003147	33303831	204B0000
AD3E308F	00000000	2D3F308F	00000000	0240642B	333E2CA6	2D3F308F	333E2CA6	333E2CA6	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	583FFBF2	D83FFBF2	433F1541
833E3548	8E3EE338	3D3E2FA1	3D3E2FA1	00000000	00000000	033F3548	AF3DF10A	1A40F712	00000000
00000000	00000000	00000000	8D3F5704	00000000	00000000	00000000	00000000	00000000	3D3E2FA1
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	9A475555
00000000	BA44ABAA	00000000	00000000	00000000	2546398E	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
AD3E308F	00000000	EE3FE1A4	333E2CA6	823F642B	00000000	00000000	333E2CA6	333E2CA6	3D3E2FA1
00000000	00000000	00000000	00000000	00000000	00000000	00000000	8D3F5704	5E40755F	583FFBF2
2F3FF10A	8E3EE338	BD3E2FA1	00000000	00000000	00000000	193F9329	00000000	1440ED25	00000000
00000000	00000000	00000000	583FFBF2	AD3D308F	00000000	00000000	00000000	00000000	8E3EE338
00000000	00000000	00000000	00000000	00000000	00000000	00000000	AA3DABAA	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	C0400100	00000000	00000000	00000000	224685F6	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
2D3E308F	00000000	973F4ADD	00000000	2D3E308F	B33E2CA6	00000000	00000000	333E2CA6	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	0740DD97	7940D47D	433F1541
DA3EADCD	8E3EE338	00000000	00000000	2F3EF10A	AD3D308F	2F3FF10A	2F3EF10A	F83F8FE3	00000000
00000000	00000000	00000000	823F642B	00000000	00000000	00000000	00000000	00000000	BD3D2FA1
00000000	00000000	00000000	973C26B4	AA3CABAA	00000000	00000000	AA3DABAA	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	AF420000	00000000	C5415755
00000000	2D415555	00000000	00000000	00000000	1A46C771	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
AD3E308F	3A3E8C2E	D83FFBF2	0B3FE9A2	2D3E308F	3A3E8C2E	023F642B	00000000	333E2CA6	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	20400000	5C408DB0	463FE69E
2F3EF10A	BD3E2FA1	00000000	00000000	AF3DF10A	B03D3D8D	2F3EF10A	833E3548	31401CC7	00000000
00000000	00000000	00000000	B03F3D8D	00000000	00000000	00000000	00000000	00000000	3D3E2FA1
00000000	00000000	00000000	00000000	00000000	00000000	00000000	AA3DABAA	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	BC425555	00000000	00000000
00000000	00000000	00000000	00000000	00000000	2046A2BD	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00006600
AD3E308F	B33E2CA6	583FFBF2	333E2CA6	AD3E308F	00000000	00000000	063FA1BC	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	C33F1541	2D40308F	2D3F308F
033F3548	BD3E2FA1	BD3E2FA1	00000000	00000000	00000000	DA3EADCD	00000000	1440EE25	00000000
00000000	00000000	00000000	583FFBF2	00000000	00000000	00000000	00000000	00000000	BD3D2FA1
00000000	00000000	00000000	973C26B4	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

CN1113
VOYAGER 2
8/24/87 — 8/25/87
DR/DSOO (F409

RECORD 1 OF FILE 1
LENGTH = 10000 BYTES

000AFFFF	FF00FF00	0E010E01	80038003	1A001A00	DA03E802	6A004A01	06000000	00000000	00000000
00000000	00000000	00000000	00000000	00000100	01004120	41200000	60001E03	21002800	C3ABC3AB
38163816	0F025F03	FE01FE01	51005100	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00003247	32313733	204B0000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00003247	32313733	204B0000
333E2CA6	AD3E308F	00000000	AD3E308F	333F2CA6	00000000	B33E2CA6	AD3E308F	00000000	333E2CA6
973F4ADD	833F3548	DA3EADCD	00000000	00000000	00000000	00000000	194445D0	0D405704	1D40C349
193F9329	F83F8FE3	3D3F2FA1	ED3E7B09	2F3EF10A	00000000	F03F0BAF	00000000	00000000	00000000
00000000	00000000	00000000	AD3D308F	AD3D308F	00000000	00000000	00000000	00000000	8E3EE338
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	F642A9AA	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	333E2CA6	2D3E308F	063FA1BC	2D3E308F	333E2CA6	00000000	00000000	00000000
CE3F081A	443F50EC	2F3EF10A	2F3EF10A	00000000	00000000	00000000	E33FEECB	CE3F081A	C33F1541
193F9329	A53F09ED	3D3E2FA1	00000000	AF3DF10A	00000000	833F3548	00000000	00000000	00000000
00000000	00000000	00000000	AD3D308F	00000000	00000000	00000000	00000000	00000000	BD3D2FA1
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	09431CC7	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
333E2CA6	00000000	B33E2CA6	2D3E308F	063FA1BC	AD3E308F	00000000	2D3E308F	00000000	333E2CA6
AD3F308F	5A3FADCD	DA3EADCD	00000000	00000000	00000000	00000000	CE3F081A	B83F2368	A23F3DB6
443F4FEC	ED3E7C09	3D3E2FA1	00000000	AF3DF10A	00000000	8E3FE438	00000000	00000000	00000000
00000000	00000000	00000000	AD3D308F	AD3D308F	00000000	00000000	00000000	00000000	BD3D2FA1
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	1A46D386	00000000	0443E338	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
333E2CA6	00000000	333F2CA6	2D3F308F	603FB78F	2D3E308F	00000000	00000000	3D3E2FA1	333E2CA6
823F642B	443F4FEC	033F3548	833E3548	00000000	00000000	00000000	0740DD97	C33F1541	A23F3DB6
193F9329	9A3FF712	ED3E7B09	BD3D2FA1	00000000	00000000	703F0BAF	00000000	00000000	00000000
00000000	00000000	00000000	AD3D308F	00000000	00000000	00000000	00000000	00000000	BD3D2FA1
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	BD3D2FA1
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	0347DCAE	00000000	00438EE3	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	2A3FABAA	00000000	00000000	00000000	00000000	00000000	00000000	00000000
2A3FABAA	2A3FABAA	00000000	00000000	00000000	00000000	00000000	C0400000	95405555	00400000
00000000	D53F5555	553F5555	00000000	00000000	00000000	AA3FABAA	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

RECORD 558 OF FILE 1
LENGTH = 10000 BYTES

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000A0100 AF00AF00 0E010E01 80038003 1A001A00 EF027502 8A02EA02 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000100 01004120 41200000 60005C01 14001700 FFABFFAB
67166816 AF0D2F00 52015201 51005100 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00003247 32313833 204B0000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00003247 32313833 204B0000
7542319D EE3FE1A4 7642D650 AD3F308F 084294D7 2D3F308F 6B401ACA 00000000 3D3E2FA1 063FA1BC
0D405704 DA3EADCD 2F3EF10A 00000000 00000000 00000000 00000000 D0427E79 1D4252F7 8F4194BA
55405655 6D3F7B09 3D3E2FA1 00000000 00000000 00000000 833E3548 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 01432FA1 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
6F42594C AD3E308F 8042CA6B AD3E308F 17423594 00000000 B3402CA6 00000000 3D3F2FA1 333E2CA6
4E40081A AF3FF10A DA3EADCD 2F3EF10A 00000000 00000000 00000000 59428BA0 2942D47D 9B411641
65405CBE 8E3FE438 8E3EE338 3D3E2FA1 AF3DF10A 00000000 833E3548 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 054326B4 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
89420DE5 22403DB6 8642CE62 0D405704 1D426731 023F642B FC40AEA1 00000000 0E3FE338 063FA1BC
2840B622 993F9329 833E3548 2F3EF10A 00000000 00000000 00000000 8A42E1A4 3C4245D0 B241A9FB
A9409992 BD3F2FA1 3D3E2FA1 BD3D2FA1 00000000 00000000 2F3EF10A 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 FB4213DA 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
95421338 0440EE69 8B42FFFF B03F3D8D 2342B113 00000000 76406227 00000000 553F5555 00000000
7D40F305 B63F6DDB 733E3BCF 00000000 00000000 00000000 00000000 A7421D71 4C42B3A6 D54116F4
81401886 0E40E438 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
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00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00438EE3 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
```

DUMP OF TAPE B010

INPUT TAPE B010 ON TU0
DATA INPUT HB F1 1 1 1

FILE 1 RECORD 1 LENGTH 10000BYTES

(0)	010A0100	DF02DF02	0E010E01	80028002	1A001A00	DA01DA01	89028902	07000000	00000000	00000000
(40)	00000000	00000000	00000000	00000000	00000100	01004120	41200000	00005400	14001400	62886288
(80)	B81DB81D	53005300	19001900	50005000	00000000	00000000	00000000	00000000	00000000	00000000
(120)	00000000	00000000	00003147	33303731	20200000	00000000	00000000	00000000	00000000	00000000
(160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00003147	33303731	20200000
(200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

Voyager 1
D-59504

1980 317-318

FORMATTED PRINT OF VOYAGER 1 SATURN SCAN AVERAGES (SELECTED ITEMS)

7/20/83

VGR 1 IMD 10 YR 80 HR 7608 PRINTED ON 20-JUL-83 10:07:07 TEST FOR NSSDC

DAY	HH	MM	SS	PL01RATE #18T1 SEC10	PL02RATE #19T1 SEC10	PL03RATE #20T1 SEC10	PL04RATE #21T1 SEC10	PL05RATE #22T1 SEC10	PL06RATE #23T1 SEC10	PL07RATE #24T1 SEC10	PL08RATE #25T1 SEC10	AL01RATE #44T1 SEC10	AL02RATE #45T1 SEC10
317	0	1	23	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
317	0	1	23	0.639	1.04	0.396	0.238	0.215	0.430E-01	0.298E-01	0.122E-01	0.102E-01	0.245E-02
317	0	7	47	0.376	0.988	0.367	0.144	0.255	0.504E-01	0.269E-01	0.312E-02	0.758E-03	0.850E-03
317	0	14	59	0.368	0.921	0.255	0.138	0.142	0.364E-01	0.298E-01	0.123E-01	0.804E-02	0.327E-02
317	0	20	35	0.403	0.938	0.363	0.186	0.175	0.496E-01	0.397E-01	0.611E-02	0.152E-02	0.850E-03
317	0	26	59	0.367	0.842	0.344	0.185	0.205	0.595E-01	0.165E-01	0.615E-02	0.950E-02	0.735E-02
317	0	33	23	0.148	0.732	0.288	0.120	0.176	0.561E-01	0.481E-01	0.000E+00	0.000E+00	0.000E+00
317	0	39	47	0.410	0.944	0.348	0.171	0.162	0.265E-01	0.331E-01	0.000E+00	0.731E-02	0.490E-02
317	0	46	11	0.517	1.06	0.477	0.217	0.216	0.575E-01	0.251E-01	0.988E-02	0.231E-02	0.174E-02
317	0	51	47	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
317	0	52	35	0.350	0.993	0.421	0.223	0.192	0.430E-01	0.298E-01	0.611E-02	0.877E-02	0.245E-02
317	0	58	59	0.441	1.38	0.539	0.198	0.225	0.496E-01	0.265E-01	0.916E-02	0.000E+00	0.850E-03
317	1	5	23	0.533	1.37	0.559	0.233	0.225	0.463E-01	0.132E-01	0.613E-02	0.512E-02	0.163E-02
317	1	11	47	0.545	1.44	0.652	0.240	0.200	0.629E-01	0.197E-01	0.143E-01	0.000E+00	0.000E+00
317	1	18	11	0.403	1.23	0.657	0.263	0.205	0.430E-01	0.265E-01	0.916E-02	0.877E-02	0.327E-02
317	1	24	35	0.498	1.55	1.07	0.423	0.270	0.391E-01	0.195E-01	0.123E-01	0.000E+00	0.000E+00
317	1	30	11	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
317	1	30	59	0.798	2.58	1.34	0.580	0.403	0.661E-01	0.298E-01	0.305E-02	0.950E-02	0.163E-02
317	1	37	23	1.41	3.94	1.88	0.742	0.645	0.786E-01	0.354E-01	0.000E+00	0.000E+00	0.000E+00
317	1	44	35	4.57	13.3	6.89	2.42	1.20	0.874E-01	0.134E-01	0.624E-02	0.000E+00	0.000E+00
317	1	50	11	6.87	16.7	8.17	2.96	1.59	0.773E-01	0.235E-01	0.622E-02	0.000E+00	0.000E+00
317	1	56	35	9.72	24.0	10.3	3.64	2.33	0.562E-01	0.231E-01	0.153E-01	0.512E-02	0.245E-02
317	2	2	59	7.42	19.9	8.61	3.10	1.82	0.706E-01	0.235E-01	0.919E-02	0.772E-03	0.868E-03
317	2	9	23	5.93	15.4	6.65	2.13	1.21	0.529E-01	0.198E-01	0.611E-02	0.117E-01	0.245E-02
317	2	15	47	3.03	9.27	4.50	1.74	1.04	0.661E-01	0.298E-01	0.613E-02	0.000E+00	0.000E+00
317	2	22	11	4.39	15.9	6.84	2.10	1.43	0.595E-01	0.198E-01	0.919E-02	0.139E-01	0.899E-02
317	2	28	35	23.4	69.1	37.3	11.8	5.33	0.129	0.529E-01	0.916E-02	0.758E-03	0.000E+00
317	2	34	59	19.7	55.1	30.4	10.3	4.90	0.106	0.282E-01	0.329E-02	0.357E-02	0.000E+00
317	2	41	23	9.11	27.6	14.4	4.04	1.62	0.298E-01	0.992E-02	0.916E-02	0.000E+00	0.000E+00
317	2	47	47	5.18	19.3	10.2	3.29	1.17	0.397E-01	0.231E-01	0.153E-01	0.804E-02	0.327E-02
317	2	54	11	39.1	103.	45.8	14.6	5.69	0.146	0.265E-01	0.611E-02	0.000E+00	0.000E+00
317	3	0	35	52.4	147.	72.3	25.1	11.7	0.162	0.364E-01	0.306E-02	0.658E-02	0.163E-02
317	3	6	59	31.8	96.7	41.7	11.8	4.48	0.125	0.298E-01	0.163E-01	0.260E-02	0.000E+00
317	3	13	23	32.0	91.4	39.2	10.6	3.42	0.139	0.298E-01	0.305E-02	0.731E-02	0.163E-02
317	3	19	47	34.0	96.4	47.5	17.4	6.92	0.205	0.496E-01	0.153E-01	0.000E+00	0.000E+00
317	3	26	11	39.9	120.	66.0	23.7	8.91	0.218	0.324E-01	0.427E-02	0.127E-01	0.407E-02
317	3	32	35	42.0	113.	47.9	15.8	6.54	0.165	0.269E-01	0.933E-02	0.255E-02	0.194E-02
317	3	38	59	39.7	101.	41.4	14.9	5.84	0.138	0.202E-01	0.622E-02	0.804E-02	0.163E-02
317	3	45	23	41.0	95.0	38.8	16.0	7.11	0.169	0.529E-01	0.611E-02	0.152E-02	0.850E-03
317	3	51	47	36.7	84.2	33.6	13.7	5.91	0.255	0.365E-01	0.143E-01	0.000E+00	0.000E+00
317	3	57	23	0.000E+00	81.6	31.8	11.4	4.58	0.185	0.000E+00	0.000E+00	0.000E+00	0.000E+00
317	3	58	11	28.7	67.7	26.6	10.3	4.84	0.193	0.193E-01	0.107E-01	0.181E-02	0.000E+00
317	4	4	35	21.4	52.3	28.5	11.0	4.81	0.175	0.329E-01	0.134E-01	0.152E-01	0.680E-02
317	4	10	59	0.000E+00	42.7	30.2	14.0	7.29	0.000E+00	0.208	0.000E+00	0.000E+00	0.000E+00
317	4	10	59	23.6	58.4	35.3	13.1	6.45	0.235	0.331E-01	0.153E-01	0.152E-02	0.170E-02
317	4	17	23	19.6	42.8	21.0	7.50	3.45	0.132	0.231E-01	0.916E-02	0.512E-02	0.327E-02
317	4	23	47	15.6	36.2	17.6	6.39	3.07	0.138	0.336E-01	0.126E-01	0.850E-03	0.000E+00
317	4	30	11	18.4	50.7	28.2	9.06	4.88	0.205	0.430E-01	0.305E-02	0.124E-01	0.245E-02
317	4	36	35	21.0	66.3	40.9	12.8	5.87	0.285	0.386E-01	0.718E-02	0.000E+00	0.000E+00
317	4	42	59	19.2	58.4	31.9	8.83	5.26	0.208	0.235E-01	0.122E-01	0.954E-02	0.410E-02
317	4	49	23	16.8	40.7	20.9	6.73	3.30	0.112	0.231E-01	0.611E-02	0.000E+00	0.000E+00
317	4	55	47	21.2	50.2	22.3	7.05	3.55	0.136	0.364E-01	0.305E-02	0.110E-01	0.654E-02
317	5	2	11	17.3	47.7	24.3	9.61	5.42	0.182	0.298E-01	0.611E-02	0.227E-02	0.255E-02
317	5	8	35	26.2	60.4	26.1	8.21	4.57	0.172	0.298E-01	0.613E-02	0.102E-01	0.572E-02
317	5	14	59	21.0	49.0	21.2	8.53	4.98	0.169	0.364E-01	0.611E-02	0.000E+00	0.850E-03
317	5	21	23	17.5	49.6	28.4	11.7	5.23	0.202	0.331E-01	0.153E-01	0.658E-02	0.327E-02
317	5	27	47	16.3	47.5	29.3	11.2	5.23	0.165	0.397E-01	0.123E-01	0.152E-02	0.170E-02
317	5	33	23	20.9	46.3	27.2	11.0	4.49	0.162	0.893E-01	0.298E-01	0.119E-01	0.000E+00
317	5	34	11	19.9	47.8	26.5	9.55	4.38	0.162	0.463E-01	0.000E+00	0.000E+00	0.000E+00

DUMP OF TAPE B011

INPUT TAPE B011 ON TU0
DATA INPUT HS FL 1 1 1

FILE 1 RECORD 1 LENGTH 10000BYTES

Voyager 2
D-59505

1981 237-238

(0)	000AFFFF	FF00FF00	0E010E01	80038003	1A001A00	DA03E802	6A004A01	06000000	00000000	00000000
(40)	00000000	00000000	00000000	00000000	00000100	01004120	41200000	60001E03	21002800	C3ABC3AB
(80)	38163816	0F025F03	FE01FE01	51005100	00000000	00000000	00000000	0C000000	00000000	00000000
(120)	00000000	00000000	00003247	32313733	204B0000	00000000	00000000	00000000	00000000	00000000
(160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00003247	32313733	204B0000
(200)	333E2CA6	AD3E308F	00000000	AD3E308F	333F2CA6	00000000	B33E2CA6	AD3E308F	00000000	333E2CA6
(240)	973F4ADD	833F3548	DA3EADCD	00000000	00000000	00000000	00000000	19444500	0D405704	1D40C349
(280)	193F9329	F83F8FE3	3D3F2FA1	ED3E7B09	2F3EF10A	00000000	F03F0BAF	00000000	00000000	00000000
(320)	00000000	00000000	00000000	AD3D308F	AD3D308F	00000000	00000000	00000000	00000000	8E3EE338
(360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(480)	00000000	00000000	00000000	00000000	00000000	F642A9AA	00000000	00000000	00000000	00000000
(520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(600)	00000000	00000000	333E2CA6	2D3E308F	063FA1BC	2D3E308F	333E2CA6	00000000	00000000	00000000
(640)	CE3F081A	443F50EC	2F3EF10A	2F3EF10A	00000000	00000000	00000000	E33FEECB	CE3F081A	C33F1541
(680)	193F9329	A53F09ED	3D3E2FA1	00000000	AF3DF10A	00000000	833F3548	00000000	00000000	00000000
(720)	00000000	00000000	00000000	AD3D308F	00000000	00000000	00000000	00000000	00000000	BD3D2FA1
(760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(880)	00000000	00000000	00000000	00000000	00000000	09431CC7	00000000	00000000	00000000	00000000
(920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1000)	333E2CA6	00000000	B33E2CA6	2D3E308F	063FA1BC	AD3E308F	00000000	2D3E308F	00000000	333E2CA6
(1040)	AD3F308F	5A3FADCD	DA3EADCD	00000000	00000000	00000000	00000000	CE3F081A	B83F2368	A23F3DB6
(1080)	443F4FEC	ED3E7C09	3D3E2FA1	00000000	AF3DF10A	00000000	8E3FE438	00000000	00000000	00000000
(1120)	00000000	00000000	00000000	AD3D308F	AD3D308F	00000000	00000000	00000000	00000000	BD3D2FA1
(1160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1200)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1280)	00000000	00000000	00000000	1A46D386	00000000	0443E338	00000000	00000000	00000000	00000000
(1320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1400)	333E2CA6	00000000	333F2CA6	2D3F308F	603FB78F	2D3E308F	00000000	00000000	3D3E2FA1	333E2CA6
(1440)	823F642B	443F4FEC	033F3548	833E3548	00000000	00000000	00000000	0740DD97	C33F1541	A23F3DB6
(1480)	193F9329	9A3FF712	ED3E7B09	BD3D2FA1	00000000	00000000	703F0BAF	00000000	00000000	00000000
(1520)	00000000	00000000	00000000	AD3D308F	00000000	00000000	00000000	00000000	00000000	BD3D2FA1
(1560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	BD3D2FA1
(1600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1680)	00000000	00000000	00000000	0347DCAE	00000000	00438EE3	00000000	00000000	00000000	00000000
(1720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1800)	00000000	00000000	2A3FABAA	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1840)	2A3FABAA	2A3FABAA	00000000	00000000	00000000	00000000	00000000	C0400000	95405555	00400000
(1880)	00000000	D53F5555	553F5555	00000000	00000000	00000000	AA3FABAA	00000000	00000000	00000000
(1920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2000)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2080)	00000000	00000000	00000000	00000000	00000000	02430000	00000000	00000000	00000000	00000000
(2120)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2160)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(2200)	BB3F2C51	AD3E308F	F93E90C1	00000000	793E90C1	2D3F308F	793E90C1	2D3E308F	833E3448	063FA1BC
(2240)	C83EC9C8	C83DC9C8	00000000	00000000	00000000	00000000	7A40FBFA	1C40DDDC	0340C4C3	
(2280)	813FFD4A	853F5655	553F5555	053F5555	00000000	00000000	DB3F48CC	00000000	00000000	00000000

FORMATTED PRINT OF SELECTED ITEMS FROM V2 LECP SATURN SCAN AVERAGES.

7/19/83

VGR 0 IMD 10 YR 81 HR 5688 PRINTED ON 20-JUL-83 09:32:23 TEST NSSDC

DAY	HH	MM	SS	PL01RATE #18T1 SEC10	PL02RATE #19T1 SEC10	PL03RATE #20T1 SEC10	PL04RATE #21T1 SEC10	PL05RATE #22T1 SEC10	PL06RATE #23T1 SEC10	PL07RATE #24T1 SEC10	PL08RATE #25T1 SEC10	AL01RATE #44T1 SEC10	AL02RATE #45T1 SEC10
237	0	8	47	0.548	0.460	0.431	0.200	0.297	0.104	0.617E-01	0.179E-01	0.213E-01	0.000E+00
237	0	14	23	0.629	0.630	0.400	0.263	0.357	0.122	0.562E-01	0.613E-02	0.758E-03	0.000E+00
237	0	20	47	0.734	0.720	0.442	0.299	0.327	0.109	0.562E-01	0.916E-02	0.239E-01	0.000E+00
237	0	27	11	0.989	0.790	0.476	0.308	0.318	0.847E-01	0.530E-01	0.130E-01	0.000E+00	0.000E+00
237	0	33	35	1.39	1.36	0.699	0.348	0.357	0.109	0.595E-01	0.122E-01	0.147E-01	0.868E-03
237	0	39	59	1.46	1.33	0.666	0.366	0.384	0.122	0.529E-01	0.611E-02	0.000E+00	0.850E-03
237	0	46	23	1.44	2.92	0.729	0.385	0.413	0.116	0.430E-01	0.305E-02	0.177E-01	0.000E+00
237	0	52	47	1.44	3.33	0.642	0.406	0.440	0.860E-01	0.265E-01	0.153E-01	0.000E+00	0.000E+00
237	0	59	11	1.40	8.76	0.944	0.333	0.344	0.132	0.430E-01	0.305E-02	0.262E-01	0.868E-03
237	1	5	35	5.15	12.4	0.977	0.290	0.316	0.806E-01	0.538E-01	0.305E-02	0.758E-03	0.850E-03
237	1	11	59	5.60	11.6	1.07	0.345	0.357	0.126	0.529E-01	0.305E-02	0.116E-01	0.000E+00
237	1	18	23	5.84	9.97	1.01	0.386	0.367	0.116	0.430E-01	0.613E-02	0.000E+00	0.850E-03
237	1	24	47	3.75	9.01	1.39	0.292	0.314	0.827E-01	0.298E-01	0.308E-02	0.285E-01	0.000E+00
237	1	31	11	4.94	9.94	1.64	0.317	0.291	0.827E-01	0.397E-01	0.615E-02	0.000E+00	0.000E+00
237	1	37	35	5.63	6.09	0.657	0.309	0.324	0.112	0.562E-01	0.306E-02	0.182E-01	0.992E-03
237	1	43	59	6.46	8.55	0.755	0.291	0.324	0.926E-01	0.529E-01	0.613E-02	0.758E-03	0.000E+00
237	1	50	23	7.93	6.56	0.605	0.266	0.331	0.860E-01	0.364E-01	0.122E-01	0.208E-01	0.000E+00
237	1	56	47	5.02	6.06	0.677	0.269	0.304	0.794E-01	0.430E-01	0.122E-01	0.000E+00	0.000E+00
237	2	3	11	6.59	7.52	0.717	0.253	0.301	0.106	0.298E-01	0.611E-02	0.193E-01	0.868E-03
237	2	9	35	5.41	9.13	0.860	0.275	0.327	0.827E-01	0.331E-01	0.611E-02	0.758E-03	0.000E+00
237	2	15	59	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.208	0.000E+00	0.104	0.000E+00	0.000E+00	0.000E+00
237	2	15	59	5.89	6.86	0.651	0.281	0.304	0.661E-01	0.397E-01	0.611E-02	0.849E-02	0.000E+00
237	2	22	23	5.39	6.48	0.686	0.250	0.289	0.118	0.370E-01	0.916E-02	0.000E+00	0.000E+00
237	2	28	47	6.55	7.51	0.790	0.226	0.324	0.694E-01	0.430E-01	0.000E+00	0.224E-01	0.260E-02
237	2	35	11	4.95	8.43	0.860	0.226	0.324	0.992E-01	0.331E-01	0.611E-02	0.000E+00	0.000E+00
237	2	41	35	6.90	6.81	0.757	0.241	0.268	0.694E-01	0.463E-01	0.305E-02	0.208E-01	0.833E-03
237	2	47	59	8.33	8.17	0.938	0.270	0.373	0.840E-01	0.437E-01	0.214E-01	0.758E-03	0.000E+00
237	2	54	23	7.91	12.7	1.04	0.278	0.304	0.959E-01	0.331E-01	0.916E-02	0.270E-01	0.868E-03
237	3	0	47	9.28	14.8	1.20	0.256	0.218	0.595E-01	0.595E-01	0.122E-01	0.758E-03	0.850E-03
237	3	7	11	9.58	17.5	1.65	0.311	0.331	0.926E-01	0.364E-01	0.122E-01	0.162E-01	0.868E-03
237	3	13	35	11.0	18.0	2.26	0.417	0.380	0.860E-01	0.265E-01	0.153E-01	0.887E-03	0.992E-03
237	3	19	59	13.4	23.3	3.00	0.363	0.410	0.112	0.529E-01	0.183E-01	0.162E-01	0.868E-03
237	3	26	23	16.2	30.3	4.18	0.360	0.397	0.959E-01	0.761E-01	0.611E-02	0.000E+00	0.000E+00
237	3	32	47	16.8	30.8	4.03	0.455	0.417	0.116	0.364E-01	0.916E-02	0.224E-01	0.868E-03
237	3	39	11	18.0	32.5	3.14	0.415	0.407	0.941E-01	0.605E-01	0.916E-02	0.758E-03	0.850E-03
237	3	45	35	18.3	32.7	2.85	0.319	0.397	0.827E-01	0.628E-01	0.613E-02	0.332E-01	0.174E-02
237	3	51	59	16.0	31.5	2.06	0.321	0.446	0.129	0.661E-01	0.000E+00	0.152E-02	0.000E+00
237	3	58	23	18.2	40.7	3.37	0.369	0.427	0.959E-01	0.430E-01	0.305E-02	0.231E-01	0.868E-03
237	4	4	47	20.8	45.4	4.57	0.400	0.440	0.860E-01	0.728E-01	0.611E-02	0.758E-03	0.000E+00
237	4	11	11	18.5	33.3	3.74	0.357	0.364	0.129	0.430E-01	0.916E-02	0.216E-01	0.868E-03
237	4	17	35	15.9	31.6	4.18	0.333	0.351	0.562E-01	0.298E-01	0.916E-02	0.152E-02	0.255E-02
237	4	23	59	15.3	38.7	4.74	0.336	0.327	0.893E-01	0.463E-01	0.916E-02	0.193E-01	0.868E-03
237	4	30	23	14.4	38.1	5.42	0.317	0.367	0.959E-01	0.628E-01	0.183E-01	0.758E-03	0.850E-03
237	4	36	47	13.4	34.4	6.28	0.346	0.331	0.860E-01	0.496E-01	0.613E-02	0.247E-01	0.000E+00
237	4	43	11	11.9	31.6	7.19	0.278	0.351	0.139	0.331E-01	0.122E-01	0.227E-02	0.170E-02
237	4	49	35	12.3	33.4	7.95	0.345	0.390	0.728E-01	0.364E-01	0.183E-01	0.170E-01	0.000E+00
237	4	55	59	12.2	29.4	6.97	0.311	0.337	0.992E-01	0.496E-01	0.183E-01	0.758E-03	0.000E+00
237	5	2	23	9.88	24.8	6.18	0.296	0.288	0.959E-01	0.397E-01	0.153E-01	0.231E-01	0.434E-02
237	5	8	47	8.59	23.4	5.96	0.352	0.374	0.119	0.496E-01	0.184E-01	0.758E-03	0.000E+00
237	5	15	11	8.13	20.0	7.47	0.290	0.394	0.106	0.430E-01	0.611E-02	0.224E-01	0.174E-02
237	5	21	35	7.69	17.6	8.83	0.354	0.592	0.165	0.529E-01	0.916E-02	0.000E+00	0.000E+00
237	5	27	59	7.14	13.9	7.89	0.360	0.833	0.106	0.331E-01	0.611E-02	0.139E-01	0.868E-03
237	5	34	23	4.18	11.6	4.59	0.247	0.279	0.568E-01	0.426E-01	0.220E-01	0.113E-02	0.126E-02
237	5	40	47	6.83	9.38	5.38	1.01	2.03	0.116	0.496E-01	0.000E+00	0.224E-01	0.260E-02
237	5	47	11	6.07	6.79	7.17	3.79	3.85	0.175	0.562E-01	0.306E-02	0.303E-02	0.340E-02
237	5	53	35	4.93	5.58	7.36	5.53	4.77	0.175	0.827E-01	0.153E-01	0.216E-01	0.521E-02
237	5	59	59	5.78	5.06	3.69	3.89	5.58	0.181	0.370E-01	0.124E-01	0.000E+00	0.000E+00
237	6	6	23	7.82	6.58	4.86	3.35	5.07	0.162	0.265E-01	0.613E-02	0.185E-01	0.868E-03
237	6	12	47	8.35	6.13	6.23	4.73	5.34	0.152	0.298E-01	0.153E-01	0.227E-02	0.340E-02