708

ISEE-1

MULTI-COORD EPHEMERIS (MCE) DATA TAPES

77-102A-00K

ISEE-2

MULTI-COORD EPHEMERIS (MCE) DATA TAPES

77-102B-00I

REQ. AGENT	RAND NO.	ACQ. AGENT
RLR		SK

ISEE-1

MULTI-COORD EPHEMERIS (MCE) DATA TAPE

77-102A-00K

This data set catalog consists of 21 tapes. The tapes are 6250 bpi, 9-track, multifiled, binary, created on the IBM 360. The D and C numbers, time spans, and number of files are as follows:

D#	C#	FILES	TIME SPANS
D-79588	C-29060	24	10/22/77 - 03/26/78
D-79589	C-29061	24	03/26/78 - 09/10/78
D-79590	C-29062	25	09/10/78 - 03/04/79
D-79591	C-29063	25	03/04/79 - 08/26/79
D-79592	C-29064	25	08/26/79 - 02/17/80
D-79593	C-29065	25	02/17/80 - 08/10/80
D-79594	C-29066	25	08/10/80 - 02/01/81
D-79595	C-29067	25	02/01/81 - 07/26/81
D-79596	C-29068	25	07/26/81 - 01/17/82
D-79597	C-29069	25	01/17/82 - 07/11/82
D-79598	C-29070	25	07/11/82 - 01/02/83
D-79599	C-29071	25	01/02/83 - 06/26/83
D-79600	C-29072	25	06/26/83 - 12/18/83
D-79601	C-29073	25	12/18/83 - 06/10/84
D-79602	C-29074	25	06/10/84 - 12/02/84
D-79603	C-29075	25	12/02/84 - 05/26/85
D-79604	C-29076	25	05/26/85 - 11/17/85
D-79605	C-29077	25	11/17/85 - 05/11/86
D-79606	C-29078	25	05/11/86 - 11/02/86
D-79607	C-29079	25	11/02/86 - 04/26/87
D-79608	C-29080	22	04/26/87 - 09/26/87

REQ. AGENT	RAND NO.	ACQ. AGENT
RLR		SK

ISEE-2

MULTI-COORD EPHEMERIS (MCE) DATA TAPE

77-102B-00I

This data set catalog consists of 21 tapes. The tapes are 6250 bpi, 9-track, multifiled, binary, created on the IBM 360. The D and C numbers, time spans, and number of files are as follows:

D#	C#	FILES	TIME SPANS
D-79609	C-29081	24	10/22/77 - 03/26/78
D-79610	C-29082	25	03/26/78 - 09/17/78
D-79611	C-29083	25	09/17/78 - 03/11/79
D-79612	C-29084	25	03/11/79 - 09/02/79
D-79613	C-29085	25	09/02/79 - 02/24/80
D-79614	C-29086	25	02/24/80 - 08/17/80
D-79615	C-29087	25	08/17/80 - 02/08/81
D-79616	C-29088	25	02/08/81 - 08/02/81
D-79617	C-29089	25	08/02/81 - 01/24/82
D-79618	C-29090	25	01/24/82 - 07/18/82
D-79619	C-29091	25	07/18/82 - 01/09/83
D-79620	C-29092	25	01/09/83 - 07/03/83
D-79621	C-29093	25	07/03/83 - 12/25/83
D-79622	C-29094	25	12/25/83 - 06/17/84
D-79623	C-29095	25	06/17/84 - 12/09/84
D-79624	C-29096	25	12/09/84 - 06/02/85
D-79625	C-29097	25	06/02/85 - 11/24/85
D-79626	C-29098	25	11/24/85 - 05/18/86
D-79627	C-29099	25	05/18/86 - 11/09/86
D-79628	C-29100	24	11/09/86 - 05/03/87
D-79629	C-29101	21	05/03/87 - 09/26/87

Table 2

ISEE-A or B Attitude/MCE ~~Title~~ Header Record

Word No.	Description	
0	GSFC TAG (1440 bits)	
1	Spare	
2-3	Satellite identification	
4	Date	U T start time of satellite data
5	Day count of year	
6	Seconds of day	
7	Date	U T stop time of satellite data
8	Day count of year	
9	Seconds of day	
10	= Δt in seconds, if tape has equal intervals between data records (60) = 0 if tape has unequal intervals	
11-13	Spares	
14	Number of words per data record	
15	~~Spare (Zero)~~ Mean anomaly	
16-26	Run identification data	
27	Date	Coordinate sys reference data
28	Day count of year	
29	Apparent sidereal time in radians	
30-40	Harmonics (if applicable)	
41	Date	Epoch for orbit
42	Day Count	
43	Seconds of day	
44	Semi-major axis, a (km)	
45	Eccentricity, e	
46	Inclination, I (deg)	

Table 2 (Continued)

Word No.	Description
47	Right ascension of the ascending node, Ω (deg)
48	Rate of change of Ω, $\dot{\Omega}$ (deg/day)
49	Argument of perigee, ω (deg)
50	Rate of change of ω, $\dot{\omega}$ (deg/day)
51	Period, P (min)
52	Rate of change of P, $\dot{P}$ (min/day)
53-253	Orbital elements, coefficients of drag, etc., as applicable to individual orbit generators.
254-848	Fill to same record length as data records.

Table 3

ISEE-A or B Attitude/MCE Data Record

Word No.	Description	
1	Day of year	time of orbit data in this record
2	Milliseconds of day	
3	Longitude (deg)	satellite position in geocentric coordinates
4	Latitude (deg)	
5	Longitude (deg)	satellite position in geomagnetic coordinates
6	Latitude (deg)	
7	R_o (Earth radii) a geomagnetic coordinate of the satellite position, CUL	
8	r, radial distance of the satellite from the center of the Earth (km)	
9	GSE_x	Satellite position in Geocentric Solar Ecliptic Coordinates (km)
10	GSE_y	
11	GSE_z	
12	GSM_x	Satellite position in Geocentric Solar Magnetospheric Coordinates (km)
13	GSM_y	
14	GSM_z	
15	GSE_x	Moon position in Geocentric Solar Ecliptic Coordinates (km)
16	GSE_y	
17	GSE_z	
18	GSM_x	Moon position in Geocentric Solar Magnetospheric Coordinates (km)
19	GSM_y	
20	GSM_z	
21	GEI_x	Satellite position Geocentric Equatorial Inertial (km)
22	GEI_y	
23	GEI_z	

Word No.	Description	
24	GEI_x	Sun position in Geocentric Equatorial Inertial (UA)
25	GEI_y	
26	GEI_z	
27	Longitude	Sub-solar point in geomagnetic coordinates (deg)
28	Latitude	
29	Distance from the satellite to the Moon (km)	
30	Distance parallel to the x-axis from the satellite to the Moon (km)	
31	1st row, 1st column	Geocentric Solar Ecliptic-to-Geocentric Solar Magnetospheric transformation matrix.
32	1st row, 2nd column	
33	1st row, 3rd column	
34	2nd row, 1st column	
35	2nd row, 2nd column	
36	2nd row, 3rd column	
37	3rd row, 1st column	
38	3rd row, 2nd column	
39	3rd row, 3rd column	
40	1st row, 1st column	Geocentric Equatorial Inertial-to-Geocentric Solar Ecliptic transformation matrix.
41	1st row, 2nd column	
42	1st row, 3rd column	
43	2nd row, 1st column	
44	2nd row, 2nd column	
45	2nd row, 3rd column	
46	3rd row, 1st column	
47	3rd row, 2nd column	
48	3rd row, 3rd column	

Table 3 (Continued)

Word No.	Description	
49	Right Ascension	Satellite position in
50	Declination	celestial inertial (deg)
51	Right Ascension	Velocity vector in
52	Declination	celestial inertial (deg)
53	Magnitude of the velocity (km/sec)	
54	L McIlwain parameter (Earth radii)	
55	B Magnetic field strength (Gamma)	
56	B/B_0 Ratio of the magnetic field strength at the satellite to the field strength at the invariant equator	
57	Satellite-Earth-Sun angle, Lsep (deg)	
58	Satellite-Earth-Moon angle (deg)	
59	Right ascension	Magnetic vector in
60	Declination	celestial intertial (deg)
61	Longitude	Sub-solar point in (deg)
62	Latitude	Geocentric Equatorial Inertial
63	GSE_x	Theoretical geomagnetic field in
64	GSE_y	Geocentric Solar Ecliptic
65	GSE_z	coordinates (in gamma)
66	~~CONSTANT~~ = 1.0 UNDefined	
67	Date of data (YR MO DA)	
68	Longitude	Geodetic satellite position (deg)
69	Latitude	
70	Height above spheroid (km)	
71	Ascending node number (pass number)	
72	Year ~~ex~~ of data	

Table 3 (continued)

Word No.	Description	
73	Δx	Separation vector in GSE (km) (ISEE-A to ISEE-B)
74	Δy	
75	Δz	
76	Δr	Separation Distance
77	$\Delta \dot{x}$	Velocity components of Separation vector in GSE (km/sec)
78	$\Delta \dot{y}$	
79	$\Delta \dot{z}$	
80	Δv	Separation Rate (km/sec)
81	Spin Period (seconds)	
82	Ecliptic Longitude	Spin Axis in degrees
83	Ecliptic Latitude	
84	Attitude Quality Indicator	
85-840	NINE MORE 84-WORD ITEMS	
841-846	FILL for record size compatibility	

Interpreting the Definitive Output Quality Indicator for ISEE-A and -B

VALUE*	INTERPRETATION
1.	SPACECRAFT IS IN DAYLIGHT; ATTITUDE ACCURACY IS GOOD; SPIN PERIOD ACCURACY IS GOOD
2.	SPACECRAFT IS IN DAYLIGHT; ATTITUDE ACCURACY IS GOOD; SPIN PERIOD ACCURACY IS DEGRADED
3.	SPACECRAFT IS IN DAYLIGHT; ATTITUDE ACCURACY IS GOOD; SPIN PERIOD CONTAINS FILL**
4.	SPACECRAFT IS IN DAYLIGHT; ATTITUDE ACCURACY IS DEGRADED; SPIN PERIOD ACCURACY IS GOOD
5.	SPACECRAFT IS IN DAYLIGHT; ATTITUDE ACCURACY IS DEGRADED; SPIN PERIOD ACCURACY IS DEGRADED
6.	SPACECRAFT IS IN DAYLIGHT; ATTITUDE ACCURACY IS DEGRADED; SPIN PERIOD CONTAINS FILL
7.	SPACECRAFT IS IN DAYLIGHT; ATTITUDE CONTAINS FILL; SPIN PERIOD ACCURACY IS GOOD
8.	SPACECRAFT IS IN DAYLIGHT; ATTITUDE CONTAINS FILL; SPIN PERIOD ACCURACY IS DEGRADED
10.	SPACECRAFT IS IN SHADOW; ATTITUDE IS ESTIMATED; SPIN PERIOD IS ESTIMATED
11.	SPACECRAFT IS IN SHADOW; ATTITUDE IS ESTIMATED; SPIN PERIOD CONTAINS FILL
12.	SPACECRAFT IS IN SHADOW; ATTITUDE CONTAINS FILL; SPIN PERIOD IS ESTIMATED
13.	EVENT OCCURRED; SPACECRAFT IS IN DAYLIGHT (ATTITUDE AND SPIN PERIOD CONTAIN FILL)
14.	EVENT OCCURRED; SPACECRAFT IS IN SHADOW (ATTITUDE AND SPIN PERIOD CONTAIN FILL)
9999999.	ATTITUDE CONTAINS FILL; SPIN PERIOD CONTAINS FILL

* Quality indicator value is in IBM S/360 floating point format (Real * 4)

** Fill data items will contain a value of 9999999 (seven 9's).

DUMP OF TAPE R0001

DUMP OF D- 79588

Starting Timespan in Record 2 of File 1.

INPUT TAPE R0001 ON HT0
DATA INPUT H9 NF=1 SR=1=1=2

FILE 1 RECORD 1 LENGTH 3384BYTES

(0)	[illegible]	10000000	6F[illegible]	[illegible]	[illegible]	20127003	2DE76000	[illegible]12A[illegible]	[illegible]1A8CE[illegible]	00000000
(40)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(80)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(120)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(160)	00000000	00000000	[illegible]	[illegible]	[illegible]	[illegible]	4675A5F9	[illegible]	45BC3CE0	43127000
(200)	44D 5C00	45BC3D10	4312A000	436CC000	423C0000	41C00000	42150000	42100000	424B0000	412C3F14
(240)	C829263D	C83E2E3E	484[illegible]D9E4	484[illegible]C6D6	484[illegible]C9E2	C83ABF3E	C83DEF9F	C8271B36	C81CBF1D	C82C3E26
(280)	[illegible]	45BC3CE0	43127[illegible]	46876DFA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(320)	00000000	00000000	00000000	00000000	00000000	45BC3CE0	43127000	44D68000	45127381	4BE97388
(360)	421CB38C	423A755E	BFDC6395	43135EC7	40165A5A	43D765E7	00000000	00000000	00000000	00000000
(400)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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(480)	00000000	00000000	00000000	00000000	41233333	446F777F	45503FBF	00000000	00000000	00000000
(520)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41100000	[illegible]	[illegible]	[illegible]
(560)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45BFE438	41BD982F	4[illegible]E97388	41190BEF
(600)	411E27C7	409BAB30	C0B1CABD	407A409C	4075FA25	411FC5BD	40F5EA42	[illegible]	3FC5B1DF	[illegible]
(640)	415E8C19	40803D2B	4110531E	40D5791D	3F646A48	466BB021	3CEEC109	BC931FF6	431004B9	3FB31FE9
(680)	4215A7D4	[illegible]	[illegible]	[illegible]	[illegible]	C5885EB7	C5885EB7	C5885EB7	C5885EB7	C5885EB7
(720)	C5885EB7	C5885EB7	C5885EB7	C5885EB7	C5885EB7	C5885EB7	C5885EB7	C5885EB7	C5885EB7	C5885EB7
(760)	C5885EB7	C5885EB7	C5885EB7	C5885EB7	C5885EB7	00000000	00000000	00000000	4074F262	00000000
(800)	[illegible]	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(840)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(880)	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]	00000000	00000000	00000000	00000000
(920)	[illegible]	00000000	00000000	00000000	00000000	424D0000	41A00000	42160000	41F00000	41F00000
(960)	442EE[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00000000	00000000	00000000	00000000
(1000)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1080)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1120)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1160)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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(1280)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1320)	00000000	00000000	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1400)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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(1520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1560)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(1600)	00000000	00000000	00000000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00000000
(1640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1680)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00000000	00000000	00000000	00000000
(1720)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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(1800)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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(1920)	[illegible]	[illegible]	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1960)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(2000)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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(2080)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00000000	00000000
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(2480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(2520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
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(2600)	00000000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
(2640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(2680)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
(2720)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	412
(2760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(2800)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
(2840)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
(2880)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
(2920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(2960)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
(3000)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
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(3080)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(3120)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
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(3240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(3280)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
(3320)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(3360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	

127 (DAY of Year) → 2 Digit Year

10/22/77 – 03/26/78

FILE	1 RECORD	2 LENGTH	3384 BYTES								
(0)	43127000	4732DE76	42787283	C2151CE2	C2A982FB	C22JBC85	4117 9888	4419FFA8	C415550D	43A24487	
(40)	C3ADD01F	C415550D	43485FE6	C3E280CE	C53AAC63	4548D723	4453CE16	C53AAC63	45441624	C51A6876	
(80)	44179263	435B5A33	C395D67C	C0DE8FBB	C071A5ED	C03145EC	42166D1E	C04238F7	455C64E7	45395713	
(120)	411[illegible]	[illegible]	[illegible]	[illegible]	40E76BF6	416D73FF	[illegible]	C06D73FF	40E76BF6	C0DFB038	
(160)	C 72387A	C031878C	407C7F3F	C0CD3963	C058FDCC	[illegible]	C065D89D	40EADE6A	41D9DA76	C2151CE2	
(200)	425F77A0	42123AC4	41AB3BB2	41160EE3	44B25DDF	413D6CFF	4291232A	422573D1	41E602F2	41EB8368	
(240)	C22E1E33	C1B27709	C4ADE5C9	441F2DA4	44188A42	41100000	45BC3CE0	42787283	C2153CAC	43118470	
(280)	[illegible]	424D0000	4181F4CC	416F5[illegible]3F	4138 9A5[illegible]	41843B1E	BF27C5BE	BDE430C5	BE8C91C1	3F280256	
(320)	4698967F	4698967F	4698967F	4698967F	43127000	4732ED1C	427DAEF4	C2132657	C2A3DC1A	C21E8779	
(360)	41169467	441A16A8	C4164A87	437D5B8F	C3BCF6FB	C4164A87	4325D666	C3D58A47	C53AAF40	4548D50C	
(400)	4453C9BC	C53AAF40	454419BA	C51A5962	44174 9AB	4381[illegible]B84	C388EDB5	C0DE8F57	C071A68D	C0314632	
(440)	42162E83	C03D5142	455C7894	45394A97	41100000	00000000	00000000	00000000	40E78323	406D42F1	
(480)	00000000	C06D42F1	40E78323	C0DFAFD5	C072391C	C03187D2	407C7FF0	C0CD3911	C058FDA5	00000000	
(520)	C065D89D	40EADE6A	42131A45	C2132657	42624A33	42135151	41AAED69	41150F57	44ABC382	41337AA8	
(560)	4294B31A	4229D64B	4214D13A	4213C3CA	C22E5E35	C1B278C9	C4A8E40F	4373CA57	441E6F4A	41100000	
(600)	45BC3CE0	427DAEF4	C2134390	4312ECD4	00000000	424D0000	41790B32	416E998A	4136AE98	41ACD74D	
(640)	BF24ECC5	BE51DC19	BE7914EC	3F26098C	4698967F	4698967F	4698967F	4698967F	43127000	4732FBC2	
(680)	4282B9F4	C2110D59	C29E8AAC	C21C1AB2	4115B2FB	441A4AB7	C4172491	4357D7E8	C3B34354	C4172491	
(720)	42318A71	C3C79AD8	C53AB21C	4548D2F6	4453C562	C53AB21C	45441D4F	C51A4A48	4416E442	43A61DF6	
(760)	C37B59A6	C0DE8EF2	C071A72D	C0314677	4215EFE7	C03876CC	455C8DC5	45393FD3	41100000	00000000	
(800)	00000000	00000000	40E79A50	406D11C8	00000000	C06D11C8	40E79A50	C0DFAF73	C07239BF	C0318818	
(840)	407C8CA1	C0CD38B6	C058FD7E	00000000	C065D89D	40EADE6A	42186572	C2110D59	42651E4F	42145987	
(880)	41AA3CA3	4114453E	44A243E6	412B60D3	4297ABE3	422E5531	421B0E41	42193315	C22E9E36	C1B27 90A	
(920)	C49D6A5C	C3DF62E9	4424D122	41100000	45BC3CE0	4282B9F4	C2112796	4316265A	00000000	424D0000	
(960)	417 B342	416CF367	4135122B	41A57E60	BF223338	BE8D7F17	BE627516	3F23DB60	4698967F	4698967F	
(1000)	4698967F	4698967F	43127[illegible]	4733[illegible]A68	42878C73	C1EDD6C1	C29953B8	C219866B	4114FB0F	441A9AEC	
(1040)	C417E2C2	4331EA2C	C3B4B76E	C417E2C2	C31FAEF7	C3B8C961	C53AB4F9	4548D0DF	4453C108	C53AB4F9	
(1080)	454420E3	C51A3B26	44166347	43CA6899	C36D3487	C0DE8E8D	C071A7CD	C03146BD	4215B14A	C033A99A	
(1120)	455CA459	453936CD	411[illegible]	[illegible]	[illegible]	[illegible]	40E7E17C	406CE985	00000000	C06CE985	
(1160)	4 E7B17C	C0DFAF1[illegible]	C0723A61	C031885F	407C8152	C0CD385C	C058FD56	00000000	C065D89D	40EADE6A	
(1200)	421D781E	C1EDD6C1	4267EDFE	42155193	41A92FB7	4113B255	4496AE7B	4124F21A	4299DECE	4232F275	
(1240)	4221294C	421EF8C0	C22EDE38	C1B27A0B	C48D0A31	C41F01A9	442B06DA	41100000	45BC3CE0	42878C73	
(1280)	C1EF45C7	431B22C3	[illegible]	424D[illegible]	4165[illegible]DBE	416A8[illegible]7	4133CE8C	419E4FB8	BF1EFF68	BEBF3243	
(1320)	BE49E9BF	3F218A7A	4698967F	4698967F	4698967F	4698967F	43127000	4733190E	428C221B	C1CA1CB5	
(1360)	C294F7AC	C216DA5F	41146F8F	441B05F1	C4188536	428C20C7	C3B55920	C4188536	C342585D	C3A92F7A	
(1400)	C53AB7D5	4548CEC8	4453BCAE	C53AB7D5	45442476	C51A2BFE	4415C845	43EDC83D	C35E8DFA	C0DE8E28	
(1440)	C071A86D	C0314702	421572AC	C02EE9B6	455CBC28	4539 2F82	41100000	00000000	00000000	00000000	

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(  1480)  40E7C8A9  406CAF27  00000000  C06CAF27  40E7C8A9  C0DFAEAE  C0723B03  C03188A5  407C8203  C0CD3802
(  1520)  C058FC2F  00000000  C065D89D  40EADE6A  42224DF3  C1CA1CB5  426AB3A4  4216372F  41A7CFC6  41134DBB
(  1560)  4489DE5C  411FD223  429B25CD  42377F71  422735FA  42250596  C22F1E3A  C1B27B0C  C479A2EF  C42B26FA
(  1600)  443 7A98  41100000  45BC3CE0  428C221B  C1CE53BE  4321CCDB  00000000  424D0000  4162322D  416766SB
(  1640)  4132E8A0  41976986  BF1B7D28  BEE5F304  BE30B5D3  3F1F2B0F  4698967F  4698967F  4698967F  4698967F
(  1680)  43127000  473327B4  429078F0  C1A64B73  C250B3AE  C21424C8  41141081  441B8A15  C419C07B  C31A7389
(  1720)  C3B53152  C419C07B  C364BF26  C398E832  C53ABAB1  4548CCB1  4453E853  C53ABAB1  45442808  C51A1CD0
(  1760)  44151515  44110285  C34F7E10  C0DE8DC3  C071A9AD  C0314747  4215340D  C02A3723  455CD509  453929EA
(  1800)  41100000  00000000  00000000  00000000  40E7DFD4  406C7DB0  00000000  C06C7DB0  40E7DFD4  C0DFAE4B
(  1840)  C0723BA5  C03188EB  407C82B3  C0CD37A7  C058FD08  00000000  C065D89D  40EADE6A  4226E4E5  C1A64B73
(  1880)  426D6A3F  4217098E  41A627E3  41131047  447CA53E  411BB575  429B7245  423BF6CB  422D456D  422B45F2
(  1920)  C22F5E3B  C1B27C0D  C46519AA  C4325857  4434BB41  41100000  45BC3CE0  429078F0  C1A74948  432A29F7
(  1960)  00000000  424D0000  415C2E4A  4163D0C6  41326CB0  4190E879  BF17D7BD  BF101A43  BE17FDD1  3F1CCF5E
(  2000)  4698967F  4698967F  4698967F  4698967F  43127000  4733365A  42545D4  C182FF5E  C28CC2D6  C21171C3
(  2040)  4113DBFD  441C256F  C4197980  C3408DD3  C3B44B47  C4197980  C386C3A0  C3881EDA  C53ABD8E  4548CA9A
(  2080)  4453B3F8  C53ABD8E  45442B99  C51A0D9B  44144BC7  441315B7  C3401A65  C0DE8D5F  C071A9AD  C0314780
(  2120)  4214F56C  C02591E2  455CEED2  453925F6  41100000  00000000  00000000  00000000  40E7F6FF  406C4C1E
(  2160)  00000000  C06C4C1E  40E7F6FF  C0DFADE9  C0723C47  C0318932  407C8364  C0CD374D  C058FCF1  00000000
(  2200)  C065D89D  40EADE6A  422B3D06  C182EF9E  42700D98  4217C860  41A4441D  4112FB23  446FB406  411882B2
(  2240)  429AD5F2  424C4B14  42338ACD  4231A2D5  C22F9E3D  C1B27D0D  C4510F8D  C4351D1C  44378C8F  41100000
(  2280)  45BC3CE0  429490D4  C183B408  43338B48  00000000  424D0000  4157C53C  415FE69E  413232D6  418AE2EB
(  2320)  BF1435D2  BF112E49  BCAFC35A  3F1A86B1  4698967F  4698967F  4698967F  4698967F  43127000  47334500
(  2360)  42986B0E  C1607AC4  C2891F24  C1ECB136  4113CFDC  441CD5EF  C419CD82  C3666922  C3B2B3E9  C419CD82
(  2400)  C3A84B4E  C376BDFF  C53AC06A  4548C883  4453AF9D  C53AC06A  45442F29  C519EF6D  44136E85  441516AD
(  2440)  C33 7767  C0DE8CFA  C071AA4C  C0314702  4214B6CB  C020FA05  455D095B  45392391  41100000  00000000
(  2480)  00000000  00000000  40E8 E29  406C1A73  00000000  C06C1A73  40E80E29  C0DFAD87  C0723CEA  C0318978
(  2520)  407C8415  C0CD36F3  C058FCBA  00000000  C065D89D  40EADE6A  422F576C  C1607AC4  42729A5C  421873EA
(  2560)  41A23 AE  41130780  44638C26  411602A8  42997CA5  424476A3  423A34BF  4238025F  C22FCE3F  C1B27F0E
(  2600)  C435B2F4  C43458DC  4438E7F8  41100000  45BC3CE0  42986B0E  C1610985  433EC017  00000000  424D0000
(  2640)  4152B2EF  415BCE0F  413258E5  41856CAF  BF10B6AA  3F11AF59  3F1489C3  3F185D36  4698967F  4698967F
(  2680)  4698967F  4698967F  43127000  473353A6  429C09D8  C13F42F2  C285C232  C1C3828B  4113E63A  441D997A
(  2720)  C41A09F4  C38BE748  C3B 7917  C41A09F4  C3C94132  C365BEA2  CE3AC346  4548C66B  4453AF42  C53AC346
(  2760)  454432B7  C519EF1E  44127F7E  44170463  C32 A7D1  C0DE8C95  C071AAED  C0314817  42147829  C01C6F83
(  2800)  455D247D  453922A6  41100000  00000000  00000000  00000000  40E82551  406BE8AF  00000000  C06BE8AF
(  2840)  40E82551  C0DFAD24  C0723D8C  C03189BE  407C84C6  C0CD3698  C058FC93  00000000  C065D89D  40EADE6A
(  2880)  42333E62  C13F42F2  4275 E1E  4215CCE8  415FF941  41133080  44587C0D  41141023  4297EFB6  4248738F
(  2920)  4241B037  423E470F  C2301541  C1B27F0F  C42EB40F  C4310DDF  4438FC47  41100000  45BC3CE0  429C09D8
(  2960)  C13F9E86  434AF6A0  00000000  424D0000  414F2BDA  4157A645  4132C9CF  418091A9  BED70FBF  BE11B21B
(  3000)  3E274414  3F165B5E  4698967F  4698967F  4698967F  4698967F  43127000  4733624C  429F700B  C11F84A2
(  3040)  C282A5A4  C19BE547  41141DFC  441E6DFD  C41A3068  C3B0EF9C  C3ADA9C7  C41A3068  C3E954SC  C3E317B3
(  3080)  C53AC621  4548C454  4453A6E7  C53AC621  45443645  C519DFD6  441180D2  4418DEAB  C310BC63  C0DE8C30
(  3120)  C071AB8D  C0314850  42143986  C017F26C  455D4017  4539231B  41100000  00000000  00000000  00000000
(  3160)  40E83C79  406BB6D1  00000000  C06BB6D1  40E83C79  C0DFACC2  C0723E2E  C0318A05  407C8577  C0CD363E
(  3200)  C058FC6B  00000000  C065D89D  40EADE6A  4236DCC2  C11F84A2  4277674A  4219946C  419DA87F  41137680
(  3240)  444EA571  41129ADF  429563E0  424C3EE6  424AC7E7  42444BD2  C2305E42  C1B2800F  C42155B8  C42C2EA8
(  3280)  4437DFC9  41100000  45BC3CE0  429F700B  C11FB11F  43583D96  00000000  424D0000  414C60C4  415389DF
(  3320)  41337C08  417C599F  BEA7321F  BF115252  3E3757AB  3F1485EA  4698967F  4698967F  4698967F  4698967F
(  3360)  4698967F  4698967F  4698967F  4698967F  4698967F  4698967F
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FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	348	348	3384	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 04/15/92 21:49:39 STOP TIME 04/15/92 21:50:19

$$

$EXE TPDUMP BS