

#393

IMP-J

5.46 Minute Averaged Count Rates
73-078A-07B

&

Sectored Rate & PHA (JOST) Tapes
73-078A-07A

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1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC
INFORMATION SYSTEM:

<http://nssdc.gsfc.nasa.gov/nmc/>

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

- a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
<http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/>

- b. Core Catalog Materials

IMP-J

SECTORED RATE AND PHA (JOST TAPES)

5.46 MINUTE AVG. COUNT RATES

73-078A-07A SPHE-00440

73-078A-07B SPHE-00005

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WERE 632 7-TRACK, 800 BPI TAPES AND 9-TRACK, 1600 BPI TAPES WRITTEN IN BINARY FOR 73-078A-07A AND 30 9-TRACK, 1600 BPI TAPES WRITTEN IN BINARY FOR 73-078A-07B. D078671 FOR -07B IS MISSING. THERE ARE 136 RESTORED TAPES FOR -07A AND 4 RESTORED TAPES FOR -07B. THESE TAPES WERE CREATED ON AN IBM 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

73-078A-07A

DR#	DS#	D#	FILES	TIME SPAN
DR01038	DS01038	D28949	1	10/30/73 - 11/03/73
		D28944	2-3	11/03/73 - 11/11/73
		D28939	4-5	11/11/73 - 11/19/73
		D28947	6-7	11/19/73 - 11/27/73
		D28923	8-9	11/27/73 - 12/06/73
		D28924	10-11	12/06/73 - 12/14/73
DR01039	DS01039	D28932	1-2	12/14/73 - 12/22/73
		D28933	3-4	12/22/73 - 12/31/73
		D28931	5-6	12/31/73 - 01/08/74
		D28951	7-8	01/08/74 - 01/16/74
		D28952	9-10	01/16/74 - 01/24/74
		D28942	11-12	01/24/74 - 02/01/74
DR01040	DS01040	D28938	1-2	02/01/74 - 02/09/74
		D28922	3-4	02/09/74 - 02/17/74
		D28959	5-6	02/17/74 - 02/25/74
		D28948	7-8	02/25/74 - 03/05/74
		D28940	9-10	03/05/74 - 03/12/74
		D28950	11-12	03/12/74 - 03/21/74
DR01041	DS01041	D28945	1-2	03/21/74 - 03/29/74
		D28928	3-4	03/29/74 - 04/06/74
		D28927	5-6	04/06/74 - 04/14/74
		D28930	7-8	04/14/74 - 04/23/74
		D28934	9-10	04/23/74 - 05/01/74
		D28926	11-12	05/01/74 - 05/09/74

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DR#	DS#	D#	FILES	TIME SPAN
DR01042	DS01042	D28925	1-2	05/09/74 - 05/17/74
		D28937	3-4	05/17/74 - 05/25/74
		D28936	5-6	05/25/74 - 06/03/74
		D28935	7-8	06/03/74 - 06/10/74
		D28921	9-10	06/10/74 - 06/18/74
		D28958	11-12	06/18/74 - 06/26/74
DR01043	DS01043	D28957	1-2	06/26/74 - 07/04/74
		D28956	3-4	07/04/74 - 07/12/74
		D28955	5-6	07/12/74 - 07/20/74
		D28920	7-8	07/20/74 - 07/29/74
		D28919	9-10	07/29/74 - 08/05/74
		D28929	11-12	08/05/74 - 08/14/74
DR01044	DS01044	D28946	1-2	08/14/74 - 08/22/74
		D28954	3-4	08/22/74 - 08/30/74
		D28953	5-6	08/30/74 - 09/07/74
		D28943	7-8	09/07/74 - 09/15/74
		D28918	9-10	09/15/74 - 09/23/74
		D28941	11-12	09/23/74 - 10/01/74
DR01045	DS01045	D31127	1-2	10/01/74 - 10/08/74
		D31128	3-4	10/08/74 - 10/16/74
		D31129	5-6	10/16/74 - 10/25/74
		D31130	7-8	10/25/74 - 11/02/74
		D31131	9-10	11/02/74 - 11/06/74
		D31132	11-12	11/10/74 - 11/18/74
DR01046	DS01046	D31133	1-2	11/18/74 - 11/26/74
		D31134	3-4	11/26/74 - 12/04/74
		D31135	5-6	12/04/74 - 12/12/74
		D31136	7-8	12/12/74 - 12/20/74
		D31137	9-10	12/20/74 - 12/24/74
		D31138	11-12	12/28/74 - 01/06/75
DR01047	DS01047	D31139	1-2	01/06/75 - 01/13/75
		D31140	3-4	01/13/75 - 01/21/75
		D31141	5-6	01/21/75 - 01/29/75
		D31142	7-8	01/29/75 - 02/06/75
		D31143	9-10	02/06/75 - 02/14/75
		D31144	11-12	02/14/75 - 02/22/75
DR01048	DS01048	D31145	1-2	02/22/75 - 03/02/75
		D31146	3-4	03/02/75 - 03/10/75
		D31147	5-6	03/10/75 - 03/18/75
		D31148	7-8	03/18/75 - 03/26/75
		D31149	9-10	03/26/75 - 04/03/75
		D31150	11-12	04/03/75 - 04/11/75
DR01049	DS01049	D31151	1-2	04/11/75 - 04/19/75
		D31152	3-4	04/19/75 - 04/27/75
		D31153	5-6	04/27/75 - 05/05/75
		D31154	7-8	05/05/75 - 05/13/75
		D31155	9-10	05/13/75 - 05/21/75
		D31156	11-12	05/21/75 - 05/29/75

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DR#	DS#	D#	FILES	TIME SPAN
DR01050	DS01050	D31157	1-2	05/29/75 - 06/06/75
		D31158	3-4	06/06/75 - 06/14/75
		D31159	5-6	06/14/75 - 06/22/75
		D31160	7-8	06/22/75 - 06/30/75
		D31161	9-10	06/30/75 - 07/04/75
		D31162	11-12	07/08/75 - 07/16/75
DR01051	DS01051	D31163	1-2	07/16/75 - 07/24/75
		D31164	3-4	07/24/75 - 07/31/75
		D31165	5-6	07/31/75 - 08/09/75
		D31166	7-8	08/09/75 - 08/16/75
		D31167	9-10	08/16/75 - 08/24/75
		D31168	11-12	08/24/75 - 09/01/75
DR01052	DS01052	D31169	1-2	09/01/75 - 09/09/75
		D31170	3-4	09/09/75 - 09/17/75
		D31171	5-6	09/17/75 - 09/25/75
		D31172	7-8	09/25/75 - 10/03/75
DR00925	DS00925	D33513	1-2	10/03/75 - 10/13/75
		D33514	3-4	10/11/75 - 10/19/75
		D33515	5-6	10/19/75 - 10/27/75
		D33516	7-8	10/27/75 - 11/04/75
		D33517	9-10	11/04/75 - 11/12/75
		D33518	11-12	11/12/75 - 11/20/75
DR00926	DS00926	D33519	1-2	11/20/75 - 11/28/75
		D33520	3-4	11/28/75 - 12/06/75
		D33521	5-6	12/06/75 - 12/13/75
		D33522	7-8	12/14/75 - 12/22/75
		D33523	9-10	12/22/75 - 12/30/75
		D33524	11-12	12/30/75 - 01/06/76
DR00927	DS00927	D33525	1-2	01/07/76 - 01/16/76
		D33526	3-4	01/14/76 - 01/23/76
		D33527	5-6	01/23/76 - 01/31/76
		D33528	7-8	01/31/76 - 02/08/76
		D33529	9-10	02/08/76 - 02/15/76
		D33530	11-12	02/15/76 - 02/23/76
		D33531	13-14	02/23/76 - 03/02/76
DR00928	DS00928	D33532	1-2	03/02/76 - 03/10/76
		D33533	3-4	03/10/76 - 03/18/76
		D33534	5-6	03/18/76 - 03/26/76
		D33535	7-8	03/26/76 - 04/03/76
		D33536	9-10	04/03/76 - 04/11/76
		D33537	11-12	04/12/76 - 04/19/76
		D33538	13-14	04/19/76 - 04/27/76

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DR#	DS#	D#	FILES	TIME SPAN
DR00929	DS00929	D33539	1-2	04/27/76 - 05/01/76
		D33540	3-4	05/06/76 - 05/14/76
		D33541	5-6	05/14/76 - 05/21/76
		D33542	7-8	05/21/76 - 05/29/76
		D33543	9-10	05/30/76 - 06/03/76
		D33544	11-12	06/07/76 - 06/15/76
		D33545	13-14	06/15/76 - 06/22/76
DR00930	DS00930	D33546	1-2	06/23/76 - 07/01/76
		D33547	3-4	07/01/76 - 07/09/76
		D33548	5-6	07/09/76 - 07/17/76
		D33549	7-8	07/17/76 - 07/25/76
		D33550	9-10	07/25/76 - 08/02/76
		D33551	11-12	08/02/76 - 08/10/76
DR00931	DS00931	D33552	1-2	08/10/76 - 08/18/76
		D33553	3-4	08/18/76 - 08/26/76
		D33554	5-6	08/26/76 - 09/03/76
		D33555	7-8	09/03/76 - 09/11/76
		D33556	9-10	09/11/76 - 09/19/76
		D33557	11-12	09/19/76 - 09/27/76
DR00932	DS00932	D37897	1-2	09/28/76 - 10/06/76
		D37898	3-4	10/06/76 - 10/10/76
		D37899	5-6	10/14/76 - 10/22/76
		D37900	7-8	10/22/76 - 10/30/76
		D37901	9-10	10/31/76 - 11/08/76
		D37902	11-12	11/08/76 - 11/16/76
DR00933	DS00933	D37903	1-2	11/16/76 - 11/24/76
		D37904	3-4	11/24/76 - 12/02/76
		D37905	5-6	12/02/76 - 12/10/76
		D37906	7-8	12/10/76 - 12/18/76
		D37907	9-10	12/18/76 - 12/26/76
		D37908	11-12	12/26/76 - 01/02/77
DR00934	DS00934	D37909	1-2	01/02/77 - 01/10/77
		D37910	3-4	01/10/77 - 01/18/77
		D37911	5-6	01/18/77 - 01/26/77
		D37912	7-8	01/26/77 - 02/03/77
		D37913	9-10	02/03/77 - 02/11/77
		D37914	11-12	02/11/77 - 02/19/77
DR00935	DS00935	D37915	1-2	02/20/77 - 02/28/77
		D37916	3-4	02/28/77 - 03/08/77
		D37917	5-6	03/08/77 - 03/16/77
		D37918	7-8	03/16/77 - 03/24/77
		D37919	9-10	03/24/77 - 04/01/77
		D37920	11-12	04/01/77 - 04/09/77

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DR#	DS#	D#	FILES	TIME SPAN
DR00936	DS00936	D37921	1-2	04/09/77 - 04/17/77
		D37922	3-4	04/17/77 - 04/25/77
		D37923	5-6	04/25/77 - 05/03/77
		D37924	7-8	05/03/77 - 05/11/77
		D37925	9-10	05/11/77 - 05/19/77
		D37926	11-12	05/19/77 - 05/27/77
DR00937	DS00937	D37927	1-2	05/27/77 - 06/04/77
		D37928	3-4	06/05/77 - 06/13/77
		D37929	5-6	06/13/77 - 06/21/77
		D37930	7-8	06/21/77 - 06/29/77
		D37931	9-10	06/29/77 - 07/07/77
		D37932	11-12	07/07/77 - 07/14/77
DR00938	DS00938	D37933	1-2	07/15/77 - 07/23/77
		D37934	3-4	07/23/77 - 07/31/77
		D37935	5-6	07/31/77 - 08/08/77
		D37936	7-8	08/08/77 - 08/16/77
		D37937	9-10	08/16/77 - 08/24/77
		D37938	11-12	08/24/77 - 09/01/77
DR00939	DS00939	D37939	1-2	09/01/77 - 09/09/77
		D37940	3-4	09/11/77 - 09/18/77
		D37941	5-6	09/18/77 - 09/26/77
DR00940	DS00940	D43405	1-2	09/26/77 - 10/01/77
		D43406	3-4	10/04/77 - 10/12/77
		D43407	5-6	10/12/77 - 10/20/77
		D43408	7-8	10/20/77 - 10/28/77
		D43409	9-10	10/28/77 - 11/05/77
		D43410	11-12	11/05/77 - 11/12/77
		D43411	13-14	11/13/77 - 11/21/77
DR00941	DS00941	D43412	1-2	11/21/77 - 11/29/77
		D43413	3-4	11/29/77 - 12/07/77
		D43414	5-6	12/07/77 - 12/15/77
		D43415	7-8	12/15/77 - 12/23/77
		D43416	9-10	12/23/77 - 01/01/78
		D43417	11-12	01/01/78 - 01/09/78
DR00942	DS00942	D43418	1-2	01/09/78 - 01/17/78
		D43419	3-4	01/17/78 - 01/25/78
		D43420	5-6	01/25/78 - 02/02/78
		D43421	7-8	02/02/78 - 02/10/78
		D43422	9-10	02/10/78 - 02/18/78
		D43423	11-12	02/18/78 - 02/26/78
DR00943	DS00943	D43424	1-2	02/26/78 - 03/06/78
		D43425	3-4	03/06/78 - 03/14/78
		D43426	5-6	03/14/78 - 03/22/78
		D43427	7-8	03/22/78 - 03/30/78
		D43428	9-10	03/30/78 - 04/07/78
		D43429	11-12	04/07/78 - 04/16/78

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DR#	DS#	D#	FILES	TIME SPAN
DR00944	DS00944	D43430	1-2	04/16/78 - 04/24/78
		D43431	3-4	04/24/78 - 05/02/78
		D43432	5-6	05/02/78 - 05/10/78
		D43433	7-8	05/10/78 - 05/18/78
		D43434	9-10	05/18/78 - 05/26/78
		D43435	11-12	05/26/78 - 06/03/78
		D43436	13-14	06/03/78 - 06/11/78
DR00945	DS00945	D43437	1-2	06/11/78 - 06/19/78
		D43438	3-4	06/19/78 - 06/27/78
		D43439	5-6	06/27/78 - 07/05/78
		D43440	7-8	07/05/78 - 07/13/78
		D43441	9-10	07/13/78 - 07/21/78
		D43442	11-12	07/21/78 - 07/30/78
		D43443	13-14	07/30/78 - 08/07/78
DR00946	DS00946	D43444	1-2	08/07/78 - 08/15/78
		D43445	3-4	08/15/78 - 08/23/78
		D43446	5-6	08/23/78 - 08/31/78
		D43447	7-8	08/31/78 - 09/08/78
		D43448	9-10	09/08/78 - 09/16/78
		D43449	11-12	09/16/78 - 09/24/78
DR00947	DS00947	D47330	1-2	09/24/78 - 10/02/78
		D47331	3-4	10/02/78 - 10/10/78
		D47332	5-6	10/10/78 - 10/18/78
		D47333	7-8	10/18/78 - 10/26/78
		D47334	9-10	10/26/78 - 11/03/78
		D47335	11-12	11/03/78 - 11/11/78
		D47336	13-14	11/12/78 - 11/20/78
DR00948	DS00948	D47337	1-2	11/20/78 - 11/28/78
		D47338	3-4	11/28/78 - 12/06/78
		D47339	5-6	12/06/78 - 12/14/78
		D47340	7-8	12/14/78 - 12/23/78
		D47341	9-10	12/23/78 - 12/30/78
		D47342	11-12	12/30/78 - 01/08/79
DR00949	DS00949	D47343	1-2	01/08/79 - 01/15/79
		D47344	3-4	01/15/79 - 01/23/79
		D47345	5-6	01/23/79 - 01/31/79
		D47346	7-8	01/31/79 - 02/08/79
		D47347	9-10	02/08/79 - 02/16/79
		D47348	11-12	02/16/79 - 02/25/79
		D47349	13-14	02/25/79 - 03/05/79
DR00950	DS00950	D47350	1-2	03/05/79 - 03/13/79
		D47351	3-4	03/13/79 - 03/21/79
		D47352	5-6	03/21/79 - 03/29/79
		D47353	7-8	03/30/79 - 04/07/79
		D47354	9-10	04/07/79 - 04/15/79
		D47355	11-12	04/15/79 - 04/23/79
		D47356	13-14	04/23/79 - 05/01/79

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DR#	DS#	D#	FILES	TIME SPAN
DR00951	DS00951	D47357	1-2	05/01/79 - 05/08/79
		D47358	3-4	05/09/79 - 05/17/79
		D47359	5-6	05/17/79 - 05/24/79
		D47360	7-8	05/24/79 - 06/01/79
		D47361	9-10	06/02/79 - 06/10/79
		D47362	11-12	06/10/79 - 06/18/79
		D47363	13-14	06/18/79 - 06/26/79
DR00952	DS00952	D47364	1-2	06/26/79 - 07/04/79
		D47365	3-4	07/04/79 - 07/13/79
		D47366	5-6	07/13/79 - 07/21/79
		D47367	7-8	07/21/79 - 07/29/79
		D47368	9-10	07/29/79 - 08/06/79
		D47369	11-12	08/06/79 - 08/14/79
		D47370	13-14	08/14/79 - 08/22/79
DR00953	DS00953	D47371	1-2	08/22/79 - 08/30/79
		D47372	3-4	08/30/79 - 09/07/79
		D47373	5-6	09/07/79 - 09/15/79
		D47374	7-8	09/15/79 - 09/23/79
		D56957	9-10	09/23/79 - 10/01/79
		D56958	11-12	10/01/79 - 10/09/79
		D56959	13-14	10/09/79 - 10/17/79
DR00954	DS00954	D56960	1-2	10/18/79 - 10/26/79
		D56961	3-4	10/26/79 - 11/03/79
		D56962	5-6	11/03/79 - 11/11/79
		D56963	7-8	11/11/79 - 11/19/79
		D56964	9-10	11/19/79 - 11/27/79
		D56965	11-12	11/27/79 - 12/05/79
		D56966	13-14	12/05/79 - 12/13/79
DR00955	DS00955	D56967	1-2	12/13/79 - 12/21/79
		D56968	3-4	12/21/79 - 12/28/79
		D56969	5-6	12/29/79 - 01/06/80
		D56970	7-8	01/06/80 - 01/14/80
		D56971	9-10	01/14/80 - 01/22/80
		D56972	11-12	01/22/80 - 01/31/80
		D56973	13-14	01/31/80 - 02/08/80
DR00956	DS00956	D56974	1-2	02/08/80 - 02/16/80
		D56975	3-4	02/16/80 - 02/24/80
		D56976	5-6	02/24/80 - 03/03/80
		D56977	7-8	03/03/80 - 03/11/80
		D56978	9-10	03/11/80 - 03/19/80
		D56979	11-12	03/19/80 - 03/27/80
		D56980	13-14	03/27/80 - 04/04/80
		D56981	15-16	04/04/80 - 04/12/80

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DR#	DS#	D#	FILES	TIME SPAN
DR00957	DS00957	D56982	1-2	04/12/80 - 04/20/80
		D56983	3-4	04/20/80 - 04/28/80
		D56984	5-6	04/28/80 - 05/07/80
		D56985	7-8	05/07/80 - 05/15/80
		D56986	9	05/15/80 - 05/23/80
		D56987	10-11	05/23/80 - 05/31/80
		D56988	12-13	05/31/80 - 06/09/80
DR00958	DS00958	D56989	1-2	06/09/80 - 06/17/80
		D56990	3-4	06/17/80 - 06/25/80
		D56991	5-6	06/25/80 - 07/02/80
		D56992	7-8	07/02/80 - 07/11/80
		D56993	9-10	07/11/80 - 07/19/80
		D56994	11-12	07/19/80 - 07/27/80
		D56995	13-14	07/27/80 - 08/04/80
DR00959	DS00959	D56996	1-2	08/04/80 - 08/12/80
		D56997	3-4	08/12/80 - 08/20/80
		D56998	5-6	08/20/80 - 08/28/80
		D56999	7-8	08/28/80 - 09/05/80
		D57000	9-10	09/06/80 - 09/13/80
		D57001	11-12	09/14/80 - 09/22/80
		D62622	13-14	09/22/80 - 09/30/80
DR00971	DS00971	D62623	1-2	09/30/80 - 10/08/80
		D62624	3-4	10/08/80 - 10/16/80
		D62625	5-6	10/16/80 - 10/24/80
		D62626	7-8	10/24/80 - 11/01/80
		D62627	9-10	11/01/80 - 11/09/80
		D62628	11-12	11/09/80 - 11/17/80
		D62629	13-14	11/17/80 - 11/25/80
		D62630	15-16	11/25/80 - 12/03/80
DR00972	DS00972	D62631	1-2	12/03/80 - 12/12/80
		D62632	3-4	12/12/80 - 12/20/80
		D62633	5-6	12/20/80 - 12/29/80
		D62634	7-8	12/29/80 - 01/06/81
		D62635	9-10	01/06/81 - 01/14/81
		D62636	11-12	01/14/81 - 01/22/81
		D62637	13-14	01/22/81 - 01/30/81
		D62638	15-16	01/30/81 - 02/07/81
		D62639	17-18	02/07/81 - 02/15/81
DR00973	DS00973	D62640	1-2	02/15/81 - 02/23/81
		D62641	3-4	02/23/81 - 03/03/81
		D62642	5-6	03/03/81 - 03/10/81
		D62643	7-8	03/10/81 - 03/19/81
		D62644	9-10	03/19/81 - 03/27/81
		D62645	11-12	03/27/81 - 04/04/81
		D62646	13-14	04/04/81 - 04/12/81
		D62647	15-16	04/12/81 - 04/21/81
		D62648	17-18	04/21/81 - 04/29/81
		D62649	19-20	04/29/81 - 05/07/81
		D62650	21-22	05/08/81 - 05/16/81
		D62651	23-24	05/16/81 - 05/24/81

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DR#	DS#	D#	FILES	TIME SPAN
DR00974	DS00974	D62652	1-2	05/24/81 - 06/01/81
		D62653	3-4	06/01/81 - 06/08/81
		D62654	5-6	06/09/81 - 06/16/81
		D62655	7-8	06/17/81 - 06/24/81
		D62656	9-10	06/24/81 - 07/03/81
		D62657	11-12	07/03/81 - 07/11/81
		D62658	13-14	07/11/81 - 07/19/81
		D62659	15-16	07/19/81 - 07/27/81
		D62660	17-18	07/27/81 - 08/04/81
DR00975	DS00975	D62661	1-2	08/04/81 - 08/13/81
		D62662	3-4	08/13/81 - 08/21/81
		D62663	5-6	08/21/81 - 08/29/81
		D62664	7-8	08/29/81 - 09/06/81
		D62665	9-10	09/06/81 - 09/14/81
		D62666	11-12	09/14/81 - 09/22/81
		D65099	13-14	09/22/81 - 09/30/81
		D65100	15-16	09/30/81 - 10/08/81
		D65101	17-18	10/08/81 - 10/16/81
		D65102	19-20	10/16/81 - 10/24/81
		D65103	21-22	10/24/81 - 11/01/81
DR00976	DS00976	D65104	1-2	11/01/81 - 11/09/81
		D65105	3-4	11/10/81 - 11/18/81
		D65106	5-6	11/18/81 - 11/25/81
		D65107	7-8	11/26/81 - 12/04/81
		D65108	9-10	12/04/81 - 12/12/81
		D65109	11-12	12/12/81 - 12/20/81
DR00977	DS00977	D65110	1-2	12/20/81 - 12/28/81
		D65111	3-4	12/28/81 - 01/05/82
		D65112	5-6	01/05/82 - 01/13/82
		D65113	7-8	01/13/82 - 01/21/82
		D65114	9-10	01/22/82 - 01/29/82
		D65115	11-12	01/29/82 - 02/06/82
DR00978	DS00978	D65116	1-2	02/06/82 - 02/15/82
		D65117	3-4	02/15/82 - 02/22/82
		D65118	5-6	02/23/82 - 03/03/82
		D65119	7-8	03/03/82 - 03/11/82
		D65120	9-10	03/11/82 - 03/19/82
		D65121	11-12	03/20/82 - 03/27/82
DR00979	DS00979	D65122	1-2	03/28/82 - 04/05/82
		D65123	3-4	04/05/82 - 04/13/82
		D65124	5-6	04/13/82 - 04/20/82
		D65125	7-8	04/21/82 - 04/29/82
		D65126	9-10	04/29/82 - 05/07/82
		D65127	11-12	05/07/82 - 05/15/82
		D65128	13-14	05/15/82 - 05/23/82
		D65129	15-16	05/23/82 - 05/31/82
		D65130	17-18	05/31/82 - 06/08/82

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DR#	DS#	D#	FILES	TIME SPAN
DR00980	DS00980	D65131	1-2	06/08/82 - 06/16/82
		D65132	3-4	06/16/82 - 06/23/82
		D65133	5-6	06/24/82 - 07/02/82
		D65134	7-8	07/03/82 - 07/09/82
		D65135	9-10	07/10/82 - 07/18/82
		D65136	11-12	07/19/82 - 07/26/82
		D65137	13-14	07/26/82 - 08/05/82
		D65138	15-16	08/05/82 - 08/12/82
		D65139	17-18	08/13/82 - 08/20/82
		D65140	19-20	08/21/82 - 08/29/82
		D65141	21-22	08/29/82 - 09/05/82
DR00981	DS00981	D65142	1-2	09/06/82 - 09/13/82
		D65143	3-4	09/14/82 - 09/22/82
		D72300	5-6	09/23/82 - 09/30/82
		D72301	7-8	10/01/82 - 10/07/82
		D72302	9-10	10/08/82 - 10/16/82
		D72303	11-12	10/17/82 - 10/24/82
DR00982	DS00982	D72304	1-2	10/24/82 - 10/30/82
		D72305	3-4	11/01/82 - 11/07/82
		D72306	5-6	11/08/82 - 11/15/82
		D72307	7-8	11/16/82 - 11/23/82
		D72308	9-10	11/24/82 - 11/30/82
		D72309	11-12	12/01/82 - 12/11/82
DR00983	DS00983	D72310	1-2	12/11/82 - 12/18/82
		D72311	3-4	12/19/82 - 12/26/82
		D72312	5-6	12/27/82 - 01/03/83
		D72313	7-8	01/04/83 - 01/11/83
		D72314	9-10	01/12/83 - 01/20/83
		D72315	11-12	01/21/83 - 01/28/83
DR00984	DS00984	D72316	1-2	01/28/83 - 02/04/83
		D72317	3-4	02/05/83 - 02/12/83
		D72318	5-6	02/13/83 - 02/20/83
		D72319	7-8	02/21/83 - 02/28/83
		D72320	9-10	03/01/83 - 03/07/83
		D72321	11-12	03/08/83 - 03/17/83
DR00985	DS00985	D72322	1-2	03/17/83 - 03/24/83
		D72323	3-4	03/25/83 - 04/01/83
		D72324	5-6	04/20/83 - 04/09/83
		D72327	7-8	04/10/83 - 04/17/83
		D72328	9-10	04/18/83 - 04/25/83
		D72329	11-12	04/26/83 - 05/04/83

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DR#	DS#	D#	FILES	TIME SPAN
DR00991	DS00991	D72330	1-2	05/04/83 - 05/11/83
		D72331	3-4	05/12/83 - 05/19/83
		D72332	5-6	05/20/83 - 05/27/83
		D72333	7-8	05/28/83 - 06/04/83
		D72334	9-10	06/05/83 - 06/12/83
		D72335	11-12	06/13/83 - 06/20/83
DR00992	DS00992	D72342	1-2	06/20/83 - 06/27/83
		D72343	3-4	06/28/83 - 07/04/83
		D72344	5-6	07/05/83 - 07/12/83
		D72345	7-8	07/13/83 - 07/20/83
		D72346	9-10	07/21/83 - 07/29/83
		D75245	11-12	07/30/83 - 08/07/83
DR00993	DS00993	D72336	1-2	08/07/83 - 08/14/83
		D72337	3-4	08/15/83 - 08/22/83
		D72338	5-6	08/23/83 - 08/30/83
		D72339	7-8	09/01/83 - 09/07/83
		D72340	9-10	09/08/83 - 09/15/83
		D72341	11-12	09/16/83 - 09/25/83
DR00994	DS00994	D75246	1-2	09/25/83 - 10/03/83
		D75247	3-4	10/03/83 - 10/11/83
		D75248	5-6	10/11/83 - 10/19/83
		D75249	7-8	10/19/83 - 10/27/83
		D75250	9-10	10/27/83 - 11/04/83
		D75251	11-12	11/04/83 - 11/12/83
DR00995	DS00995	D75252	1-2	11/12/83 - 11/20/83
		D75253	3-4	11/20/83 - 11/28/83
		D75254	5-6	11/28/83 - 12/07/83
		D75255	7-8	12/07/83 - 12/15/83
		D75256	9-10	12/15/83 - 12/23/83
		D75257	11-12	12/23/83 - 12/31/83
DR00996	DS00996	D75258	1-2	12/31/83 - 01/08/84
		D75259	3-4	01/08/84 - 01/16/84
		D75260	5-6	01/16/84 - 01/24/84
		D75261	7-8	01/24/84 - 02/01/84
		D75262	9-10	02/01/84 - 02/09/84
		D75263	11-12	02/09/84 - 02/17/84
DR00997	DS00997	D75264	1-2	02/17/84 - 02/25/84
		D75265	3-4	02/25/84 - 03/05/84
		D75266	5-6	03/05/84 - 03/13/84
		D75267	7-8	03/13/84 - 03/21/84
		D75268	9-10	03/21/84 - 03/29/84
		D75269	11-12	03/29/84 - 04/06/84

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DR#	DS#	D#	FILES	TIME SPAN
DR00998	DS00998	D75270	1-2	04/06/84 - 04/10/84
		D75271	3-4	04/14/84 - 04/22/84
		D75272	5-6	04/24/84 - 05/01/84
		D75273	7-8	05/01/84 - 05/09/84
		D75274	9-10	05/09/84 - 05/17/84
		D75275	11-12	05/19/84 - 05/24/84
DR00999	DS00999	D75276	1-2	05/24/84 - 06/01/84
		D75277	3-4	06/02/84 - 06/09/84
		D75278	5-6	06/09/84 - 06/17/84
		D75279	7-8	06/16/84 - 06/25/84
		D75280	9-10	06/25/84 - 07/03/84
		D75281	11-12	07/03/84 - 07/12/84
DR01000	DS01000	D75282	1-2	07/12/84 - 07/19/84
		D75283	3-4	07/20/84 - 07/28/84
		D75284	5-6	07/28/84 - 08/06/84
		D75285	7-8	08/06/84 - 08/14/84
		D75286	9-10	08/14/84 - 08/21/84
		D75287	11-12	08/22/84 - 08/30/84
DR01001	DS01001	D75288	1-2	08/30/84 - 09/07/84
		D75289	3-4	09/07/84 - 09/14/84
		D78625	5-6	09/15/84 - 09/22/84
		D78626	7-8	09/23/84 - 09/30/84
		D78627	9-10	10/01/84 - 10/08/84
		D78628	11-12	10/09/84 - 10/17/84
DR01002	DS01002	D78629	1-2	10/17/84 - 10/24/84
		D78630	3-4	10/25/84 - 11/01/84
		D78631	5-6	11/02/84 - 11/09/84
		D78632	7-8	11/10/84 - 11/17/84
		D78633	9-10	11/18/84 - 11/27/84
		D78634	11-12	11/28/84 - 12/06/84
DR01003	DS01003	D78635	1-2	12/06/84 - 12/13/84
		D78636	3-4	12/14/84 - 12/21/84
		D78637	5-6	12/22/84 - 12/30/84
		D78638	7-8	01/01/85 - 01/08/85
		D78639	9-10	01/09/85 - 01/17/85
		D78640	11-12	01/18/85 - 01/23/85
DR01004	DS01004	D78641	1-2	01/23/85 - 01/30/85
		D78642	3-4	01/31/85 - 02/07/85
		D78643	5-6	02/08/85 - 02/17/85
		D78644	7-8	02/18/85 - 02/26/85
		D78645	9-10	02/27/85 - 03/09/85
		D78646	11-12	03/10/85 - 03/17/85

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DR#	DS#	D#	FILES	TIME SPAN
DR01005	DS01005	D78647	1-2	03/17/85 - 03/23/85
		D78648	3-4	03/24/85 - 04/01/85
		D78649	5-6	04/02/85 - 04/08/85
		D78650	7-8	04/09/85 - 04/15/85
		D78651	9-10	04/16/85 - 04/20/85
		D78652	11-12	04/21/85 - 04/27/85
DR01006	DS01006	D78653	1-2	04/27/85 - 05/04/85
		D78654	3-4	05/05/85 - 05/12/85
		D78655	5-6	05/13/85 - 05/20/85
		D78656	7-8	05/21/85 - 05/28/85
		D78657	9-10	05/29/85 - 06/07/85
		D78658	11-12	06/08/85 - 06/15/85
DR01007	DS01007	D78659	1-2	06/15/85 - 06/22/85
		D78660	3-4	06/23/85 - 07/02/85
		D78661	5-6	07/03/85 - 07/11/85
		D78662	7-8	07/12/85 - 07/23/85
		D78663	9-10	07/24/85 - 08/10/85
		D78664	11-12	08/11/85 - 08/30/85
DR01008	DS01008	D78665	1-2	08/30/85 - 09/04/85
		D78666	3-4	09/05/85 - 09/09/85
		D78667	5-6	09/10/85 - 09/14/85
		D78668	7-8	09/15/85 - 09/17/85
		D78669	9-10	09/18/85 - 09/19/85
		D79884	11-12	09/20/85 - 09/21/85
DR01009	DS01009	D79885	1-2	09/21/85 - 09/28/85
		D79886	3-4	09/29/85 - 10/05/85
		D79887	5-6	10/06/85 - 10/13/85
		D79888	7-8	10/14/85 - 10/20/85
		D79889	9-10	10/21/85 - 10/30/85
		D79890	11-12	10/31/85 - 11/09/85
DR01010	DS01010	D79891	1-2	11/09/85 - 11/16/85
		D79892	3-4	11/17/85 - 11/24/85
		D79893	5-6	11/25/85 - 12/02/85
		D79894	7-8	12/03/85 - 12/10/85
		D79895	9-10	12/11/85 - 12/18/85
		D79896	11-12	12/19/85 - 12/27/85
		D79897	13-14	12/28/85 - 01/05/86
DR01011	DS01011	D79898	1-2	01/05/86 - 01/12/86
		D79899	3-4	01/13/86 - 01/20/86
		D79900	5-6	01/21/86 - 01/28/86
		D79901	7-8	01/29/86 - 02/07/86
		D79902	9-10	02/08/86 - 02/16/86
		D79903	11-12	02/17/86 - 02/23/86

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DR#	DS#	D#	FILES	TIME SPAN
DR01012	DS01012	D79904	1-2	02/23/86 - 02/28/86
		D79905	3-4	03/01/86 - 03/07/86
		D79906	5-6	03/08/86 - 03/16/86
		D79907	7-8	03/17/86 - 03/26/86
		D79908	9-10	03/27/86 - 04/03/86
		D79909	11-12	04/04/86 - 04/12/86
DR01013	DS01013	D79910	1-2	04/12/86 - 04/19/86
		D79911	3-4	04/20/86 - 04/27/86
		D79912	5-6	04/28/86 - 05/05/86
		D79913	7-8	05/06/86 - 05/13/86
		D79914	9-10	05/14/86 - 05/21/86
		D79915	11-12	05/22/86 - 05/30/86
		D79916	13-14	06/01/86 - 06/09/86
DR01014	DS01014	D79917	1-2	06/09/86 - 06/18/86
		D79918	3-4	06/19/86 - 06/26/86
		D79919	5-6	06/27/86 - 07/04/86
		D79920	7-8	07/05/86 - 07/12/86
		D79921	9-10	07/13/86 - 07/20/86
		D79922	11-12	07/21/86 - 07/27/86
DR01015	DS01015	D79923	1-2	07/27/86 - 08/03/86
		D79924	3-4	08/04/86 - 08/11/86
		D79925	5-6	08/12/86 - 08/20/86
		D79926	7-8	08/21/86 - 08/30/86
		D79927	9-10	09/01/86 - 09/08/86
		D79928	11-12	09/09/86 - 09/16/86
DR05968	DS05968	D82510	1-8	09/15/86 - 10/17/86
		D82511	9-16	10/17/86 - 11/18/86
DR05969	DS05969	D82512	1-8	11/18/86 - 12/21/86 (a)
		D82513	9-16	12/22/86 - 01/23/87
DR05970	DS05970	D82514	1-8	01/23/87 - 02/24/87
		D82515	9-16	02/24/87 - 03/29/87 (b)
DR05971	DS05971	D82516	1-8	03/30/87 - 05/01/87
		D82517	9-16	05/01/87 - 06/01/87
DR05972	DS05972	D82518	1-8	06/01/87 - 07/04/87
		D82519	9-16	07/05/87 - 08/07/87
DR05973	DS05973	D82520	1-8	08/07/87 - 09/07/87
		D82521	9-16	09/08/87 - 10/09/87
DR05984	DS05984	D82846	1-8	10/09/87 - 11/12/87
		D82847	9-16	11/12/87 - 12/14/87

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DR#	DS#	D#	FILES	TIME SPAN
DR05985	DS05985	D82848 D82849	1-8 9-16	12/14/87 - 01/15/88 01/15/88 - 02/18/88
DR05986	DS05986	D82850 D82851	1-8 9-16	02/18/88 - 03/22/88 03/22/88 - 04/22/88
DR05987	DS05987	D82852 D82853	1-8 9-16	04/22/88 - 05/26/88 05/26/88 - 06/28/88
DR05988	DS05988	D82854 D82855	1-8 9-16	06/28/88 - 07/29/88 07/30/88 - 08/31/88
DR05989	DS05989	D82856 D82857	1-8 9-16	08/31/88 - 10/04/88 10/04/88 - 11/05/88
DR06079	DS06079	D85460 D85461	1-8 9-16	11/05/88 - 12/07/88 12/07/88 - 01/10/89
DR06080	DS06080	D85462 D85463	1-8 9-16	01/10/89 - 02/11/89 02/11/89 - 03/15/89
DR06081	DS06081	D85464	1-8	03/15/89 - 04/17/89
DR06082	DS06082	D85465	1-8	04/17/89 - 05/20/89
DR06083	DS06083	D85466 D85467	1-8 9-16	05/20/89 - 06/20/89 06/20/89 - 07/23/89
DR06084	DS06084	D85468 D85469	1-8 9-16	07/23/89 - 08/25/89 08/26/89 - 09/26/89
DR06085	DS06085	D85470	1-8	09/26/89 - 10/28/89
DR06112	DS06112	D96115	1-8	10/28/89 - 12/01/89
DR06113	DS06113	D96116 D96117	1-8 9-16	12/01/89 - 01/02/90 01/02/90 - 02/02/90
DR06114	DS06114	D96118	1-8	02/02/90 - 03/08/90
DR06115	DS06115	D96119 D96120	1-8 9-16	03/08/90 - 04/10/90 04/10/90 - 05/11/90
DR06116	DS06116	D96121 D96122	1-8 9-16	05/11/90 - 06/14/90 06/14/90 - 07/17/90
DR06117	DS06117	D96123 D96124	1-8 9-16	07/18/90 - 08/18/90 08/18/90 - 09/18/90
DR06118	DS06118	D96125 D107573	1-8 9-16	09/18/90 - 10/23/90 10/23/90 - 11/24/90

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DR#	DS#	D#	FILES	TIME SPAN
DR006122	DS006122	D107574 D107575	1-08 9-16	11/24/90 - 12/26/90 12/26/90 - 01/29/91
DR006123	DS006123	D107576 D107577	1-08 9-16	01/29/91 - 03/02/91 03/02/91 - 04/03/91
DR006124	DS006124	D107578 D107579	1-08 9-16	04/03/91 - 05/06/91 05/06/91 - 06/08/91
DR006125	DS006125	D107580 D107581	1-08 9-16	06/09/91 - 07/10/91 07/10/91 - 08/11/91
DR006126	DS006126	D107582 D107583	1-08 9-16	08/12/91 - 09/14/91 09/14/91 - 10/16/91
DR006198	DS006198	D108108 D108109	1-08 9-16	10/16/91 - 11/16/91 11/16/91 - 12/20/91
DR006199	DS006199	D108110 D108111	1-08 9-16	12/20/91 - 01/21/92 01/22/92 - 02/22/92
DR006200	DS006200	D108112 D108113	1-08 9-16	02/22/92 - 03/27/92 03/27/92 - 04/29/92
DR006201	DS006201	D108115 D108114	1-08 9-16	05/30/92 - 07/02/92 04/29/92 - 05/30/92
DR006202	DS006202	D108116 D108117	1-08 9-16	07/02/92 - 08/05/92 08/05/92 - 09/05/92
DR006203	DS006203	D108118 D108119	1-08 9-16	09/05/92 - 10/07/92 10/07/92 - 11/10/92
DR006204	DS006204	D108120 D108121	1-08 9-16	11/10/92 - 12/12/92 12/12/92 - 01/11/93
DR006205	DS006205	D108122 D108123	1-08 9-16	01/13/93 - 02/14/93 02/14/93 - 03/19/93
DR006206	DS006206	D108124 D108125	1-08 9-16	03/19/93 - 04/20/93 04/20/93 - 05/22/93
DR006207	DS006207	D108126 D108127	1-08 9-16	05/22/93 - 06/25/93 06/25/93 - 07/26/93
DR006208	DS006208	D108128 D108129	1-08 9-16	07/27/93 - 08/27/93 08/27/93 - 09/30/93
DR006209	DS006209	D108130 D108131	1-08 9-16	10/01/93 - 11/02/93 11/02/93 - 12/03/93

DR#	DS#	D#	FILES	TIME SPAN
DR006210	DS006210	D108132	1-08	12/03/93 - 01/06/94
		D108133	9-16	01/06/94 - 02/07/94
DR006211	DS006211	D108134	1-08	02/07/94 - 03/11/94
		D108135	9-16	03/11/94 - 04/13/94
DR006212	DS006212	D108136	1-08	04/13/94 - 05/16/94
		D108137	9-16	05/16/94 - 06/16/94

- (a) DD082512: 2 errors, records 161 & 163, File 1.
(b) DD082515: 1 error, record 380, File 1.

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DR#	DS#	D#	FILES	TIME SPAN
DR006242	DS006242	D108636	1-08	06/16/94 - 07/19/94
		D108637	9-16	07/19/94 - 08/21/94
DR006243	DS006243	D108638	1-08	08/21/94 - 09/18/94
		D108639	9-16	09/18/94 - 10/23/94
DR006244	DS006244	D108640	1-08	10/23/94 - 11/26/94
		D108641	9-16	11/26/94 - 12/27/94
DR006245	DS006245	D108642	1-08	12/27/94 - 01/28/95
		D108643	9-16	01/28/95 - 03/02/95
DR006246	DS006246	D108644	1-08	03/02/95 - 04/03/95
		D108645	9-16	04/04/95 - 05/05/95
DR006247	DS006247	D108646	1-08	05/05/95 - 06/07/95
		D108647	9-16	06/07/95 - 07/09/95
DR006248	DS006248	D108648	1-08	07/09/95 - 08/10/95
		D108649	9-16	08/10/95 - 09/11/95
DR006249	DS006249	D108650	1-08	09/11/95 - 10/14/95

REQ. AGENTCAW
DEW
GLS
DEW
GLS
SARRAND NO.RC7552
RD2047
V0130
V0189
V0244
V0294ACQ. AGENTDVR
JIV
HKH
HKH
HKH
HKH

IMP-J

SECTORED RATE AND PHA (JOST TAPES)

5.46 MINUTE AVG. COUNT RATES

73-078A-07A

73-078A-07B

This data set catalog consists of 583 Sector Rate and PHA (JOST) magnetic tapes and 19 5.46 Minute Avg. Count Rates magnetic tapes. The first 88 (JOST) tapes and the first 3 5.46 Min Avg. Count Rates tapes are 800 BPI, 7 track and contain Binary data. All other data tapes are 1600 BPI, 9track, and contain Binary data. The 07A tapes have 2 files of data and the 07B tapes have 60 files of data. These tapes were created on an IBM 360 computer. The tape format along with a list of D and C numbers with their time spans are given on the following pages:

* Documentation to be sent to requesters is B23906-00A for 73-078A-07A and 07B.

IMP-J Sectored Rate and PHA (JOST) Tapes 73-078A-07A

<u>D#</u>	<u>C#</u>	<u>TIME</u> <u>SPAN</u>
D-28949	C-19249	10/30/73 - 11/03/73
D-28944	C-19243	11/03/73 - 11/11/73
D-28939	C-19238	11/11/73 - 11/19/73
D-28947	C-19246	11/19/73 - 11/27/73
D-28923	C-19222	11/27/73 - 12/06/73
D-28924	C-19223	12/06/73 - 12/14/73
D-28932	C-19231	12/14/73 - 12/22/73
D-28933	C-19232	12/22/73 - 12/31/73
D-28931	C-19230	12/31/73 - 01/08/74
D-28951	C-19251	01/08/74 - 01/16/74
D-28952	C-19252	01/16/74 - 01/24/74
D-28942	C-19241	01/24/74 - 02/01/74
D-28938	C-19237	02/01/74 - 02/09/74
D-28922	C-19221	02/09/74 - 02/17/74
D-28959	C-19259	02/17/74 - 02/25/74
D-28948	C-19248	02/25/74 - 03/05/74
D-28940	C-19239	03/05/74 - 03/12/74
D-28950	C-19250	03/12/74 - 03/21/74
D-28945	C-19244	03/21/74 - 03/29/74
D-28928	C-19227	03/29/74 - 04/06/74
D-28927	C-19226	04/06/74 - 04/14/74
D-28930	C-19229	04/14/74 - 04/23/74
D-28934	C-19233	04/23/74 - 05/01/74
D-28926	C-19225	05/01/74 - 05/09/74
D-28925	C-19224	05/09/74 - 05/17/74
D-28937	C-19236	05/17/74 - 05/25/74
D-28936	C-19235	05/25/74 - 06/03/74
D-28935	C-19234	06/03/74 - 06/10/74
D-28921	C-19220	06/10/74 - 06/18/74
D-28958	C-19258	06/18/74 - 06/26/74
D-28957	C-19257	06/26/74 - 07/04/74
D-28956	C-19256	07/04/74 - 07/12/74
D-28955	C-19255	07/12/74 - 07/20/74
D-28920	C-19219	07/20/74 - 07/29/74
D-28919	C-19218	07/29/74 - 08/05/74
D-28929	C-19228	08/05/74 - 08/14/74
D-28946	C-19245	08/14/74 - 08/22/74
D-28954	C-19254	08/22/74 - 08/30/74
D-28953	C-19253	08/30/74 - 09/07/74
D-28943	C-19242	09/07/74 - 09/15/74
D-28918	C-19217	09/15/74 - 09/23/74
D-28941	C-19240	09/23/74 - 10/01/74
D-31127	C-19964	10/01/74 - 10/08/74
D-31128	C-19965	10/08/74 - 10/16/74
D-31129	C-19966	10/16/74 - 10/25/74
D-31130	C-19967	10/25/74 - 11/02/74
D-31131	C-19968	11/02/74 - 11/06/74

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-31132	C-19969	11/10/74 - 11/18/74
D-31133	C-19970	11/18/74 - 11/26/74
D-31134	C-19971	11/26/74 - 12/04/74
D-31135	C-19972	12/04/74 - 12/12/74
D-31136	C-19973	12/12/74 - 12/20/74
D-31137	C-19974	12/20/74 - 12/24/74
D-31138	C-19975	12/28/74 - 01/06/75
D-31139	C-19976	01/06/75 - 01/13/75
D-31140	C-19977	01/13/75 - 01/21/75
D-31141	C-19978	01/21/75 - 01/29/75
D-31142	C-19979	01/29/75 - 02/06/75
D-31143	C-19980	02/06/75 - 02/14/75
D-31144	C-19981	02/14/75 - 02/22/75
D-31145	C-19982	02/22/75 - 03/02/75
D-31146	C-19983	03/02/75 - 03/10/75
D-31147	C-19984	03/10/75 - 03/18/75
D-31148	C-19985	03/18/75 - 03/26/75
D-31149	C-19986	03/26/75 - 04/03/75
D-31150	C-19987	04/03/75 - 04/11/75
D-31151	C-19988	04/11/75 - 04/19/75
D-31152	C-19989	04/19/75 - 04/27/75
D-31153	C-19990	04/27/75 - 05/05/75
D-31154	C-19991	05/05/75 - 05/13/75
D-31155	C-19992	05/13/75 - 05/21/75
D-31156	C-20031	05/21/75 - 05/29/75
D-31157	C-19993	05/29/75 - 06/06/75
D-31158	C-19994	06/06/75 - 06/14/75
D-31159	C-19995	06/14/75 - 06/22/75
D-31160	C-19996	06/22/75 - 06/30/75
D-31161	C-20002	06/30/75 - 07/04/75
D-31162	C-20003	07/08/75 - 07/16/75
D-31163	C-20004	07/16/75 - 07/24/75
D-31164	C-20005	07/24/75 - 07/31/75
D-31165	C-20006	07/31/75 - 08/09/75
D-31166	C-20007	08/09/75 - 08/16/75
D-31167	C-20008	08/16/75 - 08/24/75
D-31168	C-20009	08/24/75 - 09/01/75
D-31169	C-20010	09/01/75 - 09/09/75
D-31170	C-20011	09/09/75 - 09/17/75
D-31171	C-20012	09/17/75 - 09/25/75
D-31172	C-20013	09/25/75 - 10/03/75
D-33513		10/03/75 - 10/13/75
D-33514		10/11/75 - 10/19/75
D-33515		10/19/75 - 10/27/75
D-33516		10/27/75 - 11/04/75
D-33517		11/04/75 - 11/12/75
D-33518		11/12/75 - 11/20/75

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-33519		11/20/75 - 11/28/75
D-33520		11/28/75 - 12/06/75
D-33521		12/06/75 - 12/13/75
D-33522		12/14/75 - 12/22/75
D-33523		12/22/75 - 12/30/75
D-33524		12/30/75 - 01/06/76
D-33525	C-20572	01/07/76 - 01/16/76
D-33526		01/14/76 - 01/23/76
D-33527		01/23/76 - 01/31/76
D-33528		01/31/76 - 02/08/76
D-33529		02/08/76 - 02/15/76
D-33530		02/15/76 - 02/23/76
D-33531		02/23/76 - 03/02/76
D-33532		03/02/76 - 03/10/76
D-33533		03/10/76 - 03/18/76
D-33534		03/18/76 - 03/26/76
D-33535	C-20587	03/26/76 - 04/03/76
D-33536		04/03/76 - 04/11/76
D-33537		04/12/76 - 04/19/76
D-33538		04/19/76 - 04/27/76
D-33539		04/27/76 - 05/01/76
D-33540		05/06/76 - 05/14/76
D-33541		05/14/76 - 05/21/76
D-33542		05/21/76 - 05/29/76
D-33543		05/30/76 - 06/03/76
D-33544		06/07/76 - 06/15/76
D-33545	C-20588	06/15/76 - 06/22/76
D-33546	C-20589	06/23/76 - 07/01/76
D-33547		07/01/76 - 07/09/76
D-33548		07/09/76 - 07/17/76
D-33549		07/17/76 - 07/25/76
D-33550		07/25/76 - 08/02/76
D-33551		08/02/76 - 08/10/76
D-33552		08/10/76 - 08/18/76
D-33553		08/18/76 - 08/26/76
D-33554		08/26/76 - 09/03/76
D-33555		09/03/76 - 09/11/76
D-33556		09/11/76 - 09/19/76
D-33557	C-20590	09/19/76 - 09/27/76
D-37897	C-21081	09/28/76 - 10/06/76
D-37898	C-21082	10/06/76 - 10/10/76
D-37899	C-21083	10/14/76 - 10/22/76
D-37900	C-21084	10/22/76 - 10/30/76
D-37901	C-21085	10/31/76 - 11/08/76
D-37902	C-21086	11/08/76 - 11/16/76
D-37903	C-21087	11/16/76 - 11/24/76
D-37904	C-21088	11/24/76 - 12/02/76
D-37905	C-21089	12/02/76 - 12/10/76

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-37906	C-21090	12/10/76 - 12/18/76
D-37907	C-21091	12/18/76 - 12/26/76
D-37908	C-21092	12/26/76 - 01/02/77
D-37909	C-21093	01/02/77 - 01/10/77
D-37910	C-21094	01/10/77 - 01/18/77
D-37911	C-21095	01/18/77 - 01/26/77
D-37912	C-21096	01/26/77 - 02/03/77
D-37913	C-21097	02/03/77 - 02/11/77
D-37914	C-21098	02/11/77 - 02/19/77
D-37915	C-21099	02/20/77 - 02/28/77
D-37916	C-21100	02/28/77 - 03/08/77
D-37917	C-21101	03/08/77 - 03/16/77
D-37918	C-21102	03/16/77 - 03/24/77
D-37919	C-21103	03/24/77 - 04/01/77
D-37920	C-21104	04/01/77 - 04/09/77
D-37921	C-21105	04/09/77 - 04/17/77
D-37922	C-21106	04/17/77 - 04/25/77
D-37923	C-21107	04/25/77 - 05/03/77
D-37924	C-21108	05/03/77 - 05/11/77
D-37925	C-21109	05/11/77 - 05/19/77
D-37926	C-21110	05/19/77 - 05/27/77
D-37927	C-21111	05/27/77 - 06/04/77
D-37928	C-21112	06/05/77 - 06/13/77
D-37929	C-21113	06/13/77 - 06/21/77
D-37930	C-21114	06/21/77 - 06/29/77
D-37931	C-21115	06/29/77 - 07/07/77
D-37932	C-21116	07/07/77 - 07/14/77
D-37933	C-21117	07/15/77 - 07/23/77
D-37934	C-21118	07/23/77 - 07/31/77
D-37935	C-21119	07/31/77 - 08/08/77
D-37936	C-21120	08/08/77 - 08/16/77
D-37937	C-21121	08/16/77 - 08/24/77
D-37938	C-21122	08/24/77 - 09/01/77
D-37939	C-21123	09/01/77 - 09/09/77
D-37940	C-21124	09/11/77 - 09/18/77
D-37941	C-21125	09/18/77 - 09/26/77
D-43405		09/26/77 - 10/01/77
D-43406		10/04/77 - 10/12/77
D-43407		10/12/77 - 10/20/77
D-43408		10/20/77 - 10/28/77
D-43409		10/28/77 - 11/05/77
D-43410		11/05/77 - 11/12/77
D-43411		11/13/77 - 11/21/77
D-43412		11/21/77 - 11/29/77
D-43413		11/29/77 - 12/07/77
D-43414		12/07/77 - 12/15/77
D-43415		12/15/77 - 12/23/77
D-43416		12/23/77 - 01/01/78

<u>D#</u>	<u>C#</u>	<u>TIME</u> <u>SPAN</u>
D-43417		01/01/78 - 01/09/78
D-43418		01/09/78 - 01/17/78
D-43419		01/17/78 - 01/25/78
D-43420		01/25/78 - 02/02/78
D-43421		02/02/78 - 02/10/78
D-43422		02/10/78 - 02/18/78
D-43423		02/18/78 - 02/26/78
D-43424	C-22190	02/26/78 - 03/06/78
D-43425		03/06/78 - 03/14/78
D-43426		03/14/78 - 03/22/78
D-43427		03/22/78 - 03/30/78
D-43428		03/30/78 - 04/07/78
D-43429		04/07/78 - 04/16/78
D-43430		04/16/78 - 04/24/78
D-43431		04/24/78 - 05/02/78
D-43432		05/02/78 - 05/10/78
D-43433		05/10/78 - 05/18/78
D-43434	C-22191	05/18/78 - 05/26/78
D-43435		05/26/78 - 06/03/78
D-43436		06/03/78 - 06/11/78
D-43437		06/11/78 - 06/19/78
D-43438		06/19/78 - 06/27/78
D-43439		06/27/78 - 07/05/78
D-43440		07/05/78 - 07/13/78
D-43441		07/13/78 - 07/21/78
D-43442		07/21/78 - 07/30/78
D-43443		07/30/78 - 08/07/78
D-43444	C-22192	08/07/78 - 08/15/78
D-43445		08/15/78 - 08/23/78
D-43446		08/23/78 - 08/31/78
D-43447		08/31/78 - 09/08/78
D-43448		09/08/78 - 09/16/78
D-43449		09/16/78 - 09/24/78
D-47330		09/24/78 - 10/02/78
D-47331		10/02/78 - 10/10/78
D-47332		10/10/78 - 10/18/78
D-47333		10/18/78 - 10/26/78
D-47334		10/26/78 - 11/03/78
D-47335		11/03/78 - 11/11/78
D-47336		11/12/78 - 11/20/78
D-47337		11/20/78 - 11/28/78
D-47338		11/28/78 - 12/06/78
D-47339	C-22193	12/06/78 - 12/14/78
D-47340		12/14/78 - 12/23/78
D-47341		12/23/78 - 12/30/78
D-47342		12/30/78 - 01/08/79
D-47343		01/08/79 - 01/15/79
D-47344		01/15/79 - 01/23/79

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<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47345		01/23/79 - 01/31/79
D-47346		01/31/79 - 02/08/79
D-47347		02/08/79 - 02/16/79
D-47348		02/16/79 - 02/25/79
D-47349		02/25/79 - 03/05/79
D-47350		03/05/79 - 03/13/79
D-47351		03/13/79 - 03/21/79
D-47352		03/21/79 - 03/29/79
D-47353		03/30/79 - 04/07/79
D-47354		04/07/79 - 04/15/79
D-47355		04/15/79 - 04/23/79
D-47356		04/23/79 - 05/01/79
D-47357		05/01/79 - 05/08/79
D-47358		05/09/79 - 05/17/79
D-47359	C-22195	05/17/79 - 05/24/79
D-47360		05/24/79 - 06/01/79
D-47361		06/02/79 - 06/10/79
D-47362		06/10/79 - 06/18/79
D-47363		06/18/79 - 06/26/79
D-47364		06/26/79 - 07/04/79
D-47365		07/04/79 - 07/13/79
D-47366		07/13/79 - 07/21/79
D-47367		07/21/79 - 07/29/79
D-47368		07/29/79 - 08/06/79
D-47369	C-22196	08/06/79 - 08/14/79
D-47370		08/14/79 - 08/22/79
D-47371		08/22/79 - 08/30/79
D-47372		08/30/79 - 09/07/79
D-47373		09/07/79 - 09/15/79
D-47374		09/15/79 - 09/23/79
D-56957		09/23/79 - 10/01/79
D-56958		10/01/79 - 10/09/79
D-56959		10/09/79 - 10/17/79
D-56960		10/18/79 - 10/26/79
D-56961		10/26/79 - 11/03/79
D-56962		11/03/79 - 11/11/79
D-56963		11/11/79 - 11/19/79
D-56964		11/19/79 - 11/27/79
D-56965		11/27/79 - 12/05/79
D-56966	C-23130	12/05/79 - 12/13/79
D-56967		12/13/79 - 12/21/79
D-56968		12/21/79 - 12/28/79
D-56969		12/29/79 - 01/06/80
D-56970		01/06/80 - 01/14/80
D-56971		01/14/80 - 01/22/80
D-56972		01/22/80 - 01/31/80
D-56973		01/31/80 - 02/08/80
D-56974		02/08/80 - 02/16/80

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-56975	C-23131	02/16/80 - 02/24/80
D-56976		02/24/80 - 03/03/80
D-56977		03/03/80 - 03/11/80
D-56978		03/11/80 - 03/19/80
D-56979		03/19/80 - 03/27/80
D-56980		03/27/80 - 04/04/80
D-56981		04/04/80 - 04/12/80
D-56982		04/12/80 - 04/20/80
D-56983		04/20/80 - 04/28/80
D-56984		04/28/80 - 05/07/80
D-56985		05/07/80 - 05/15/80
D-56986		05/15/80 - 05/23/80
D-56987		05/23/80 - 05/31/80
D-56988		05/31/80 - 06/09/80
D-56989		06/09/80 - 06/17/80
D-56990		06/17/80 - 06/25/80
D-56991		06/25/80 - 07/02/80
D-56992		07/02/80 - 07/11/80
D-56993		07/11/80 - 07/19/80
D-56994		07/19/80 - 07/27/80
D-56995		07/27/80 - 08/04/80
D-56996		08/04/80 - 08/12/80
D-56997		08/12/80 - 08/20/80
D-56998		08/20/80 - 08/28/80
D-56999		08/28/80 - 09/05/80
D-57000	C-23951	09/06/80 - 09/13/80
D-57001		09/14/80 - 09/22/80
D-62622		09/22/80 - 09/30/80
D-62623		09/30/80 - 10/08/80
D-62624		10/08/80 - 10/16/80
D-62625		10/16/80 - 10/24/80
D-62626		10/24/80 - 11/01/80
D-62627		11/01/80 - 11/09/80
D-62628		11/09/80 - 11/17/80
D-62629		11/17/80 - 11/25/80
D-62630	C-23952	11/25/80 - 12/03/80
D-62631		12/03/80 - 12/12/80
D-62632		12/12/80 - 12/20/80
D-62633		12/20/80 - 12/29/80
D-62634		12/29/80 - 01/06/81
D-62635		01/06/81 - 01/14/81
D-62636		01/14/81 - 01/22/81
D-62637		01/22/81 - 01/30/81
D-62638		01/30/81 - 02/07/81
D-62639		02/07/81 - 02/15/81
D-62640	C-23953	02/15/81 - 02/23/81
D-62641		02/23/81 - 03/03/81
D-62642		03/03/81 - 03/10/81

<u>D#</u>	<u>C#</u>	<u>TIME</u> <u>SPAN</u>
D-62643		03/10/81 - 03/19/81
D-62644		03/19/81 - 03/27/81
D-62645		03/27/81 - 04/04/81
D-62646		04/04/81 - 04/12/81
D-62647		04/12/81 - 04/21/81
D-62648		04/21/81 - 04/29/81
D-62649		04/29/81 - 05/07/81
D-62650		05/08/81 - 05/16/81
D-62651	C-23954	05/16/81 - 05/24/81
D-62652		05/24/81 - 06/01/81
D-62653		06/01/81 - 06/08/81
D-62654		06/09/81 - 06/16/81
D-62655		06/17/81 - 06/24/81
D-62656		06/24/81 - 07/03/81
D-62657		07/03/81 - 07/11/81
D-62658		07/11/81 - 07/19/81
D-62659		07/19/81 - 07/27/81
D-62660		07/27/81 - 08/04/81
D-62661	C-23955	08/04/81 - 08/13/81
D-62662		08/13/81 - 08/21/81
D-62663		08/21/81 - 08/29/81
D-62664		08/29/81 - 09/06/81
D-62665		09/06/81 - 09/14/81
D-62666		09/14/81 - 09/22/81
D-65099	C-24791	09/22/81 - 09/30/81
D-65100	C-24792	09/30/81 - 10/08/81
D-65101	C-24793	10/08/81 - 10/16/81
D-65102	C-24794	10/16/81 - 10/24/81
D-65013	C-24795	10/24/81 - 11/01/81
D-65104	C-24796	11/01/81 - 11/09/81
D-65105	C-24797	11/10/81 - 11/18/81
D-65106	C-24798	11/18/81 - 11/25/81
D-65107	C-24799	11/26/81 - 12/04/81
D-65108	C-24800	12/04/81 - 12/12/81
D-65109	C-24801	12/12/81 - 12/20/81
D-65110	C-24802	12/20/81 - 12/28/81
D-65111	C-24803	12/28/81 - 01/05/82
D-65112	C-24804	01/05/82 - 01/13/82
D-65113	C-24805	01/13/82 - 01/21/82
D-65114	C-24806	01/22/82 - 01/29/82
D-65115	C-24807	01/29/82 - 02/06/82
D-65116	C-24808	02/06/82 - 02/15/82
D-65117	C-24809	02/15/82 - 02/22/82
D-65118	C-24810	02/23/82 - 03/03/82
D-65119	C-24811	03/03/82 - 03/11/82
D-65120	C-24812	03/11/82 - 03/19/82
D-65121	C-24813	03/20/82 - 03/27/82
D-65122	C-24814	03/28/82 - 04/05/82

IMP-J 73-078A-07A

<u>D#</u>	<u>C#</u>	<u>TIME</u> <u>SPAN</u>
D-65123	C-24815	04/05/82 - 04/13/82
D-65124	C-24816	04/13/82 - 04/20/82
D-65125	C-24817	04/21/82 - 04/29/82
D-65126	C-24818	04/29/82 - 05/07/82
D-65127	C-24819	05/07/82 - 05/15/82
D-65128	C-24820	05/15/82 - 05/23/82
D-65129	C-24821	05/23/82 - 05/31/82
D-65130	C-24822	05/31/82 - 06/08/82
D-65131	C-24823	06/08/82 - 06/16/82
D-65132	C-24824	06/16/82 - 06/23/82
D-65133	C-24825	06/24/82 - 07/02/82
D-65134	C-24826	07/03/82 - 07/09/82
D-65135	C-24827	07/10/82 - 07/18/82
D-65136	C-24828	07/19/82 - 07/26/82
D-65137	C-24829	07/26/82 - 08/05/82
D-65138	C-24830	08/05/82 - 08/12/82
D-65139	C-24831	08/13/82 - 08/20/82
D-65140	C-24832	08/21/82 - 08/29/82
D-65141	C-24833	08/29/82 - 09/05/82
D-65142	C-24834	09/06/82 - 09/13/82
D-65143	C-24835	09/14/82 - 09/22/82

IMP-J 5.46 MIN. AVG. COUNT RATES ³
~~78~~-078A-07B

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-28960	C-18982	10/30/73 - 06/25/74
D-28961	C-18983	06/25/74 - 02/22/75
D-31173	C-20014	02/22/75 - 10/19/75
D-33512	C-20573	10/19/75 - 06/15/76
D-37942	C-21126	06/15/76 - 02/11/77
D-37943	C-21127	02/11/77 - 10/12/77
D-43450		10/12/77 - 06/11/78
D-47375		06/11/78 - 02/08/79
D-47376	C-22203	02/08/79 - 10/09/79
D-57002	C-23129	10/09/79 - 06/09/80
D-62667	C-23956	06/09/80 - 02/07/81
D-62668	C-23957	02/07/81 - 10/08/81
D-65144	C-24836	10/08/81 - 06/08/82
D-72325		06/08/82 - 02/04/83
D-72326		02/05/83 - 10/03/83
D-75290	C-26633	10/03/83 - 06/02/84
D-78670		06/02/84 - 01/31/85
D-78671		
D-79929		09/29/85 - 06/01/86

IMP-J

SECTORED RATE AND PHA (JOST TAPES)

73-078A-07A

THESE TAPES ARE ADDITIONAL DATA TO THE RESTORED DATASET. THEY HAVE NOT BEEN RESTORED. THE "D" TAPES ARE 9-TRACK, 6250 BPI, WRITTEN IN BINARY. THE "C" TAPES ARE 3480 CARTRIDGES. THE D AND C NUMBERS ALONG WITH THEIR TIME SPANS ARE AS FOLLOWS:

D#	C#	FILES	TIME SPAN
-----	-----	-----	-----
D-107573	C-031692	8	10/23/90 - 11/24/90
D-107574	C-031693	8	11/24/90 - 12/26/90
D-107575	C-031694	8	12/26/90 - 01/29/91
D-107576	C-031695	8	01/29/91 - 03/02/91
D-107577	C-031696	8	03/02/91 - 04/03/91
D-107578	C-031697	8	04/03/91 - 05/06/91
D-107579	C-031698	8	05/06/91 - 06/08/91
D-107580	C-031699	8	06/09/91 - 07/10/91
D-107581	C-031700	8	07/10/91 - 08/11/91
D-107582	C-031701	8	08/12/91 - 09/14/91
D-107583	C-031702	8	09/14/91 - 10/16/91

IMP-J

5.46 MINUTE AVG. COUNT RATES

73-078A-07B

THIS TAPE IS ADDITIONAL DATA TO THE RESTORED DATASET. IT HAD NOT BEEN RESTORED. THE "D" TAPE IS 9-TRACK, 6250 BPI, WRITTEN IN BINARY. THE "C" TAPE IS 3480 CARTRIDGE. THE D AND C NUMBERS ALONG WITH THEIR TIME SPANS ARE AS FOLLOWS:

D#	C#	FILES	TIME SPAN
-----	-----	-----	-----
D-107584	C-031703	60	02/07/91 - 10/08/91

The University of Chicago
Enrico Fermi Institute
Laboratory for Astrophysics and Space Research

Eugene M. Murphy
933 E. 56TH Street
Chicago, ILL 60637
(312) - 702-7797
email: murphy@odysseus.uchicago.edu

April 11, 1995

Mr. Ralph Post
Code 633
National Space Sciences Data Center
Goddard Space Flight Center
Greenbelt, Maryland 20771

Dear Ralph:

The University of Chicago's annual submission of IMP-8 data is now being shipped to you.

The shipment is somewhat larger than our usual submission. It extends the coverage by 2 years and 9 months (up to June 1994), rather than by the usual 1 year. It includes a total of 34 **magnetic tapes** recorded at 6250 BPI in 9-Tracks. We have secured these 2400-foot tapes from a source on the University's campus that gave them to us for free. The tapes are of 2 types:

1. The JOST tapes contain ALL the instrument data in time-order with overlap eliminated. As we have done for the last several years, we have again copied eight runs onto each tape rather than the usual two runs. So, a total of 30 tapes contain Production Run Numbers 1622 through 1861 and cover the time period October 16, 1991 through June 16, 1994
2. The RATE tape type contains only counting rate and coverage data in time-order with overlap eliminated. RATE-28, RATE-29, RATE-30 and RATE-31 (4 tapes) contain Production Run Numbers 1620 through 1859 and covers the time period of Oct. 12, 1991 through June 8, 1994.

This shipment does NOT include a **microfilmed** copy of the counting rate plots for Bartels Solar Rotations, as all our previous submissions have. We no longer plot the rates on the Cal/Comp plotter; and the University has shut down its microfilming department. We are still in contact with Joe King and are discussing submission of these plots in a '.gif' form.

Sincerely,



Eugene M. Murphy
Manager, Data Systems and Analysis

cc. C. Lopate, M. Munoz, R. Pyle, J. Simpson

The University of Chicago
Enrico Fermi Institute
Laboratory for Astrophysics and Space Research

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email: murphy@odysseus.uchicago.edu

April 25, 1994

Mr. Ralph Post
Code 633
National Space Sciences Data Center
Goddard Space Flight Center
Greenbelt, Maryland 20771

Dear Ralph:

The University of Chicago's annual submission of IMP-8 data is now being shipped to you.

The shipment includes a total of 12 **magnetic tapes** recorded at 6250 BPI in 9-Tracks. The tapes are of 2 types:

1. The JOST tapes contain ALL the instrument data in time-order with overlap eliminated. As we have done for the last several years, we have again copied eight runs onto each tape rather than the usual two runs. So, a total of 11 tapes contain Production Run Numbers 1534 through 1621 and cover the time period October 23, 1990 through Oct. 16, 1991
2. The RATE tape type contains only counting rate and coverage data in time-order with overlap eliminated. RATE-27 (1 tape) contains Production Run Numbers 1561 through 1620 and covers the time period of Feb. 7, 1991 through Oct. 12, 1991.

This shipment also includes a **microfilmed** copy of counting rate plots for Bartels Solar Rotations 2148 through 2160 (October 22, 1990 through October 12, 1991).

Sincerely,



Eugene M. Murphy
Computer Project Manager

cc. M. Cambric
R. Pyle

B. Campbell
J. Simpson

G. Lentz

M. Munoz

The University of Chicago
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e-mail: ~~lopate~~@odysseus.uchicago.edu

May 20, 1996

Mr. Ralph Post
National Space Sciences Data Center
Goddard Space Flight Center
Code 633
Greenbelt, MD 20771

Dear Ralph;

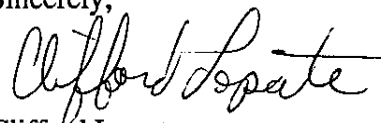
The University of Chicago's annual submission of IMP-8 data is now being shipped to you

The shipment contains our data for the ~1-year period June 1994 through October 1995. It includes a total of 17 magnetic tapes recorded at 6250 BPI in 9-Tracks. We have secured these 2400-foot tapes from a source on the University's campus which gave them to us for free. The tapes are of two types:

1. The JOST tapes contain ALL the instrument data in time-order, with overlap eliminated. As we have done for the past several years, we have again copied eight runs onto each tape rather than the original two runs. There are a total of 15 JOST tapes which contain the Production Run Numbers 1862 through 1981, covering the period June 16, 1994 through October 14, 1995.
2. The RATE tapes contain only counting rate and coverage data in time-order, with overlap eliminated. There are a total of 2 RATE tapes, each with 60 Production Runs, which contain the Run Numbers 1860 through 1979, covering the period June 8, 1994 through October 6, 1995.

This shipment does NOT include a microfilm copy of the counting rate plots for Bartels Solar Rotations, as did some previous shipments. We no longer plot the rates on hard-copy and the University shut down its microfilm department. We have been given funds to set up this data in a graphical interface format on the World-Wide-Web.

Sincerely,


Clifford Lopate

Cc: J. A. Simpson, E. M. Murphy, R. Pyle

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e-mail: lopate@odysseus.uchicago.edu

May 20, 1996

Mr. Ralph Post
National Space Sciences Data Center
Goddard Space Flight Center
Code 633
Greenbelt, MD 20771

Dear Ralph;

Because of the large number of tapes we are shipping for this submission, we are sending the tapes in two packages. This is the second of the two packages. It should contain eight of the seventeen tapes we are shipping in total. This box should contain the following tapes:

JOST Tape: Runs 1934-1941

JOST Tape: Runs 1942-1949

JOST Tape: Runs 1950-1957

JOST Tape: Runs 1958-1963

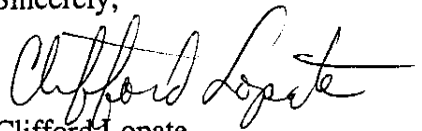
JOST Tape: Runs 1964-1971

JOST Tape: Runs 1972-1979

RATE Tape: Runs 1860-1919

RATE Tape: Runs 1920-1979

Sincerely,



Clifford Lopate

Cc: J. A. Simpson, E. M. Murphy, R. Pyle

(HRATEGN)

I. Description of Algorithms

The program produces, for a given decom run of IMP-7 or IMP-8 data, a series of rate summaries for periods of up to 256 pseudo-sequences (256 sequences or 4 albums at 1600 IBPS telemetry rate; 64 sequences or 1 album at 400 IBPS; equals 5.46 minutes approximately).

Normally, the summary intervals will be equally long and contiguous, but data gaps and changes in instrument or spacecraft status can alter that pattern.

The output consists of various housekeeping items, flags, etc., and, for each rate, the total counts in the interval and the time period covered by those counts. Depending on our knowledge (or lack thereof) of the status of the instrument during the time the rates were accumulated in the spacecraft, not all available rate readouts are used. (In addition, of course, unavailable "fill" readouts do not affect the totals. In the following discussion, though, such readouts are included in the "used" readouts).

The following discussion assumes the reader's familiarity with the instrument and the telemetry structure of the spacecraft.

Time Periods

The start time (in time of day and pseudo-sequence-count) of each interval is given on the output tape. All intervals begin at the start of an album of telemetry and contain data for at most the following 5.46 minutes. Start times of intervals will monotonically increase, but can be spaced either more or less than 5.46 minutes apart -- more, typically in the case of data gaps; less, typically in the case of bit-rate or status changes. If one interval's start-time follows the previous one by less than 5.46 minutes, it also represents the end time of the previous interval. (That is, intervals do not overlap, though 5.46 minute periods with the same start times may.)

All rate counts are accumulated into the interval during which they were counted, not (necessarily) during which they were telemetered.

New time periods are begun--

1. at the start of the first album of the run, regardless of whether it contains usable data.
2. at the start of the first album containing usable data following a change in telemetry bit-rate.

3. at the start of the first album containing usable data following a change in the large telescope's command status (except to "mixed" or "off").
4. at the start of an album containing usable data whose pseudo-sequence-count exceeds that of the beginning of the present interval by more than 200. (Generally, of course, difference will be exactly 256.)

The determination of accumulation intervals is not affected by the beginning or end of calibrate-mode periods or by short data gaps which do not trigger criterion 4.

Rate readouts used

Every unsectored-rate readout is used in accumulation of rates for the period during which it was counted except--

1. any rate counted or telemetered during an album which has the bit rate warning flag or status warning flag on. (See sort output tape format for the definition of these flags).
2. any rate counted or telemetered during an album during which the large telescope command state was mixed or during which the instrument was off.
3. any rate telemetered during one album but counted during the previous one, unless
 - (a) previous album had same bit rate,
 - (b) previous album was actually present on input tape (and read without error), and
 - (c) rates both counted and telemetered during previous album were also used.
4. as shown in the following table, counts of events that occurred during various special instrument states (X = not used).

RATE	CALIBRATE MODE PAGES 0,2	CALIBRATE MODE PAGES 1,3	EMERGENCY MODE PAGES 0,2	EMERGENCY MODE PAGES 1,3	HIGH GAIN MODE
D1					
D2	X	X	X		
D3	X		X		
D4	X		X		
CK	X	X	X		
D6					
HZLE	X	X	X	X	X
HZHE	X	X	X	X	X
D46	X	X	X	X	
CKD6	X	X	X	X	
L1	X	X			
L2	X	X			
L1	X	X			
L1 ₁	X	X			
L1 ₂					
L1 ₃					

The four criteria above are not all independent; in particular, deletions because of 3 should usually already have been made on account of 1 or 2. Also, of course, no fill readout has any affect on the totals for the interval. Readouts with all 10 or 12 log-compressor bits 0 are also ignored; this can happen for non-fill readouts in the case of certain rare hardware glitches.

Sectorized rates

No detailed analysis of sectorized-rate data is included in this program. For each averaging interval, however, a summary indication of the behavior of a sample of each sectorized rate is included. For each sectorized rate, the first available readout in the interval among those for pages 0, 1, and 2 of those albums whose unsectorized rates were used is examined, except that D2 sectorized rates counted during emergency-mode, page-0-or-2 operation or calibration are ignored. (The readouts for pages 0, 1, and 2 are telemetered during pages 1, 2, and 3.) A sectorized-rate readout is not available if it is fill data or any sector's log-compressor output is 0000, or if the optical aspect system was off as indicated by the OA DPP flag in the input album.

For the single D1 sectorized rate readout or single D2 sectorized rate readout thus selected, minimum and maximum sector counts are found. If these satisfy the criterion:

$$(MAX - MIN) > 2\sqrt{MAX},$$

then the first occurrence of MAX (i.e., lowest number 1 to 8 of sector with count MAX), first occurrence of MIN, and the quantity:

$$100 (MAX - MIN) / (MAX + MIN)$$

are placed in the output for the time interval. If the criterion is not met, both sector numbers are set 0 and the percent-anisotropy quantity is set to -1. If there were no available readouts for the sectorized rate during the interval, all three output values will be 0.

II. Output Tape Format

Rate summary tapes are 7-track magnetic tapes written in binary (odd) parity at 800 BPI. Separate series of summary tapes are kept for the two spacecraft.

Each rate summary tape will contain data for up to 60 runs; there will be one file per run, the last run being followed by an extra, second EOF. Missing runs within the range contained on the tape will be represented by extra EOF's in the appropriate place. (Therefore a double EOF does not necessarily indicate the end of the tape.)

The last run on the tape will be written on the label. (Eventually, when all available data have been processed, all tapes except the last one should contain 60 files).

Each file contains some number of 2640-character records (660 24-bit words). Each record contains fifteen 176-character logical records, each containing rate summary data for one interval, except that there will be from one to fifteen empty (all characters 00₈) logical records at the end of each file--at least one empty logical record, and enough more to pad the last physical record to standard length.

RATE TAPE LOGICAL RECORD

23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
TENTHS OF SECONDS OF THE DAY																									
00		000000000000										YEAR				DAY OF YEAR									
SIC		ORBIT										RUN													
PSEUDO-SEQUENCE-COUNT																									
000		R-M		A-M		B-R		STATUS		C		YEAR,				MONTH,				DAY RATEEN					
PROJECTED SUN-EARTH-SPACECRAFT ANGLE																									
GEOCENTRIC DISTANCE																									
00		QF		TEMPERATURE								00		QF		BUSS VOLT									
00		QF		A-D CAL 0								00		QF		A-D CAL 1									
00		QF		A-D CAL 2								00		QF		A-D CAL 3									
TEMPERATURE CONVERTED												BUSS VOLT CONVERTED													
D1 ANISOTROPY												MAX				MIN									
D2 ANISOTROPY												MAX				MIN									
SPARE (=0)																									
0		QUALITY								COVERAGE								D1							
COUNTS																									
0		QUALITY								COVERAGE								D2							
COUNTS																									
0		QUALITY								COVERAGE								D3							
COUNTS																									
0		QUALITY								COVERAGE								D4							
COUNTS																									
0		QUALITY								COVERAGE								EK							
COUNTS																									
0		QUALITY								COVERAGE								D6							
COUNTS																									
0		QUALITY								COVERAGE								HZLE							
COUNTS																									
0		QUALITY								COVERAGE								HZHE							
COUNTS																									
0		QUALITY								COVERAGE								D46							
COUNTS																									
0		QUALITY								COVERAGE								CKD6							
COUNTS																									
0		QUALITY								COVERAGE								L1							
COUNTS																									
0		QUALITY								COVERAGE								L2							
COUNTS																									
0		QUALITY								COVERAGE								L11							
COUNTS																									
0		QUALITY								COVERAGE								L12							
COUNTS																									
0		QUALITY								COVERAGE								L13							
COUNTS																									

0 + 44 * I, I = 0 14

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43

23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

CONTENTS OF LOGICAL RECORD
(24-bit words, counting from 0)

WORD 0

24-bit binary unsigned integer, time of day in tenths of seconds past midnight.

WORD 1 (part)

Day of year (January 1 = 1)

WORD 1 (part)

Year, modulo 1970

23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR															DAY OF YEAR								

The preceeding three items give the time, day, and year, Universal Time, of the start of the rate averaging interval.

WORD 2 (part)

23 22 21
S/C ID

Spacecraft ID.

IMP-7 = 01

IMP-8 = 10

WORD 2 (part)

23 22 21 20 19 18 17 16 15 14
ORBIT

Orbit number of these data. A 7-bit unsigned integer. Orbit boundaries are approximate.

WORD 2 (part)

14 13 12 11 10 9 8 7 6
RUN

A 9-bit unsigned integer, the decom run number of these data.

WORD 2 (part)

WORD 3

23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
PSEUDO-SEQUENCE-COUNT

Pseudo-sequence-count. The 30-bit unsigned integer PSC of the start of the rate averaging interval.

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

23	22	21	20	19	18	17	16	15	14	13	12
0	0	0	PCM XMITR	ANA XMITR	BR	STATUS	C				

WORD 4 (part)

11	10	9	8	7	6	5	4	3	2	1	0
YEAR				MONTH				DAY			

Date of RATEGN program run that produced this file. Unsigned binary integers: year (mod 1970), month (Jan = 1), and day of month, all as typed in by the operator.

WORD 5

24-bit signed (2-compliment) integer giving, in tenths of degrees, the projection of the sun-earth-spacecraft angle on the ecliptic plane. This value is added by a separate program. If it is not yet present, a default value of -5000_{10} ($=-500$ degrees) will be present. If orbit data was not available for this time, a value of -6000_{10} ($=-600$ degrees) will be present.

If present, the value will range from 0 to 360 degrees. The angle is 0 degrees when the projection of the spacecraft's position onto the ecliptic lies on the earth-sun line; the angle increases counter-clockwise when viewed from the north ecliptic pole.

WORD 6.

24 bit signed (2-compliment) integer giving, in tenths of Earth radii, the geocentric distance of the satellite. This value is added by a separate program. If it is not yet present, a default value of -5000_{10} ($=-500$ Earth radii) will be present. If orbit data was not available for this time, a value of -6000_{10} ($=-600$ Earth radii) will be present.

WORD 7-9

Analog

23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0			
00	00	QF	TEMPERATURE										00	00	QF	BUSS VOLTAGE										7
00	00	QF	A-D CAL 0										00	00	QF	A-D CAL 1										8
00	00	QF	A-D CAL 2										00	00	QF	A-D CAL 3										9

The first non-fill value, if any, of the indicated 8-bit analogs in those albums whose rates were used in compiling the totals for the time interval. If no value is available, the output will be fill (eight 0 bits). The qualify flag will be that of the readout used. Quality flag code:

00 excellent
01 good
10 fill
11 (will not occur)

WORD 10 (part)

23	22	21	20	19	18	17	16	15	14	13	12				
CONVERTED TEMPERATURE															

A 12-bit signed integer giving the instrument temperature in tenths of degrees C. This is derived from the count in word 7 above, using the calibration of the temperature sensor and assuming nominal calibration of the spacecraft's A/D converter. If the count is greater than 222, +80°C will be the value. If the count is less than 32 or fill, -40°C will be the value.

WORD 10 (part)

11	10	9	8	7	6	5	4	3	2	1	0				
CONVERTED BUSS VOLTS															

A 12-bit unsigned integer giving the converted value of the spacecraft buss voltage in units of 10mV, computed according to

$$\text{voltage} = 25 (230 - \text{count}) + 24000 \text{ mV},$$

which assumes nominal operation of the A/D converter. If the count in word 7 above was fill, the converted value will be 29750 mV.

WORD 11

D1 sector rate anisotropy indication.

WORD 12

D2 sector rate anisotropy indication

23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
D1 ANISOTROPY												MAX				MIN								11			
D2 ANISOTROPY												MAX				MIN								12			

See the preceeding section on descriptions of algorithms for details on the derivation of these. Briefly, for each case--

if no data, entire word is 0's.

if data available but "significance" criterion not met,

$$\text{MAX} = \text{MIN} = 0, \text{ anisotropy} = -1 \text{ (16-bit 2-compliment)}.$$

if the criterion is satisfied, then MAX is set to the first sector in which the greatest count occurred, MIN is set to the first sector in which the least count occurred, and the anisotropy measure is set to the binary integer truncated value of

$$100 (\text{greatest} - \text{least}) / (\text{greatest} + \text{least})$$

WORD 13

Spare. 24 binary zeroes.

WORDS	14,15	D1 rate	30,31	D46 rate
	16,17	D2 rate	32,33	CKD6 rate
	18,19	D3 rate	34,35	L1 rate
	20,21	D4 rate	36,37	L2 rate
	22,23	CK rate	38,39	L1 ₁ rate
	24,25	D6 rate	40,41	L1 ₂ rate
	26,27	HZLE rate	42,43	L1 ₃ rate
	28,29	HZHE rate		

23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
0	QUALITY										COVERAGE										2 ^N	2 ^N	N	
2 ³³	TOTAL COUNTS																						2 ⁰	N+1

TYPICAL RATE

The total counts, and the number and quality of the data, for the readouts of the unsectored rates used in this interval, as selected according to the criteria in the earlier description of algorithms.

COUNTS - 31-bit unsigned binary integer (will be 0 if no data).

COVERAGE - 8-bit unsigned integer giving time covered by available data for this rate, in units of 2.56 seconds (at the nominal spacecraft clock frequency). Range 0 (for no data) to 128.

QUALITY - 8-bit unsigned binary integer giving the time covered by available data which were of excellent telemetry quality. In the same units and not greater than the coverage figure above.

IMP-7,8 SORTED DATA TAPE FORMATS

73-078A-07A

The output of the program which reformats, time-sorts and eliminates overlap from the data on our raw data tapes produces an output file for the run. These files are gathered onto HOST (IMP-7) or JOST (IMP-8) tapes. HOST (or JOST) tape n contains runs 2 (n-1) and 2 (n-1)+1, thus:

HOST (JOST)	FILE	RUN
1	1	0
1	2	1
2	1	2
2	2	3
3	1	4
.	.	.
.	.	.
.	.	.

Each run is a file. Before processing for the entire mission is complete, some runs may be missing. Their files then consist solely of an end-of-file, with no data records. Note that if there are ultimately an odd number of runs, the final tape for a mission will contain only one run. Also, there was no run 0 for IMP-8; JOST1 therefore begins with an EOF in place of run 0.

A HOST or JOST tape is a standard 7-track magnetic tape written in binary (odd) parity. Each file (run) consists, unless the run is missing, of some number of 1952-character physical records, each containing data for one album of telemetry. A description of the content of such a record follows. Note that the 6-bit characters in the album header are numbered starting with 0 and that the 480 characters of information for each page are numbered, starting with 0, relative to the start of the page (see diagram on next page).

TENTHS OF SECONDS OF DAY	0
	1
	2
	3
YEAR	4
DAY	5
FLAGS	6
	7
PSEUDO- SEQUENCE- COUNT	8
	9
	10
	11
FLAGS	12
	13
RUN	14
	15
SORT YEAR	16
SORT DAY	17
ORBIT	18
	19
	20
	21
	22
	23
	24
	25
	26
	27
	28
	29
	30
	31
	32
PAGE 0	33
PAGE 1	34
PAGE 2	35
PAGE 3	36

1952 CHARACTERS

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
1951

480 CHARACTERS

DAY	0
	1
	2
MILLI- SECONDS OF THE DAY	3
	4
	5
	6
	7
QF	8
SPIN PERIOD	9
	10
QF	11
SUN TIME	12
	13
	14
S/C CLOCK	15
	16
	17
UNSECTORED RATES QF's 14 CHARS	18
	31
	32
76-BIT SCANS (MAIN TELESCOPE) 256 CHARS	287
	288
20-BIT SCANS (LET) 64 CHARS	351
	352
SECTORED RATES 32 CHARS	383
	384
UNSECTORED RATES 84 CHARS	467
00 QF	468
BUSS VOLT	469
00 QF	470
CHI ANALOG	471
00 QF	472
A-D CAL	473
	474
	475
	476
	477
	478
FLAGS	479

0 +32
1 +480+PAGE
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
31
32
287
288
351
352
383
384
467
468
469
470
471
472
473
474
475
476
477
478
479

Items Present Once Per Album

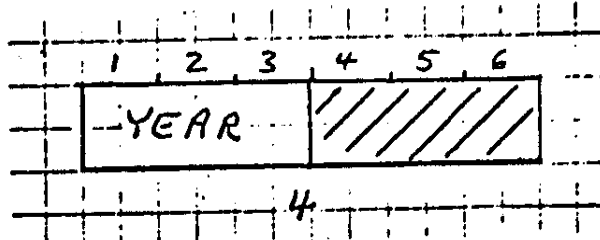
Chars.

0- 3

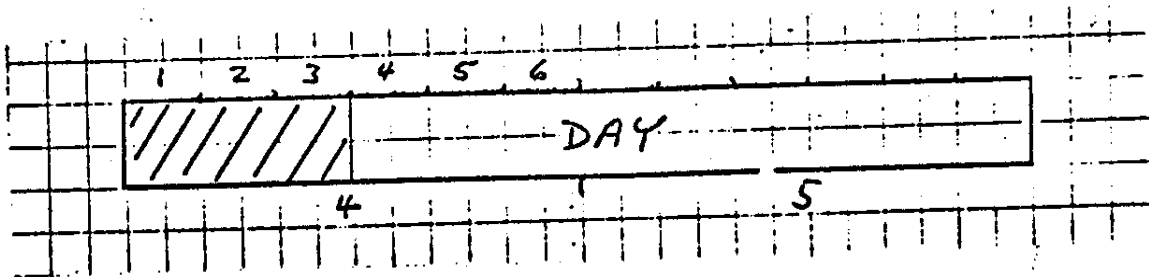
Tenths of seconds of the day. A 24-bit unsigned integer giving the time in tenths of seconds past midnight, Universal Time.

4(part)

Year. A 3-bit unsigned integer giving the year modulo 1970 (e.g. 3=1973).



4(part)-5 Day. A 9-bit unsigned integer giving the day of the year (January 1=1; see table).



The time given in the above three items is the time of the start of the album. This time is extrapolated back, if necessary, from the milliseconds of the day on our raw data tapes for the start of the first non-empty page in the album, and truncated to an even tenth-second. If two albums are merged to create the final output album, an arbitrary one of the times is kept. (Albums are not merged unless, among other things, the times agree within 2 seconds.)

Times in a file will monotonically increase except, perhaps, at a bit-rate change.

6

Flags, as shown:

1	2	3	4	5	6
PCM XMITR DPP		ANALOG XMITR DPP		0-0	

6

PCM transmitter DPP summary:

- 00 - All non-fill readouts of the PCM transmitter digital performance parameter in this album agree that the transmitter is on.
- 01 - One or more PCM transmitter DPP values show transmitter off.
- 10 - No non-fill readouts of PCM transmitter DPP.
- 11 - (will not occur)

Analog transmitter DPP summary:

- 00 - All non-fill readouts of the analog transmitter digital performance parameter in this album agree that the transmitter is off.
- 01 - One or more analog transmitter DPP values show transmitter on.
- 10 - No non-fill readouts of the analog transmitter DPP.
- 11 - (will not occur)

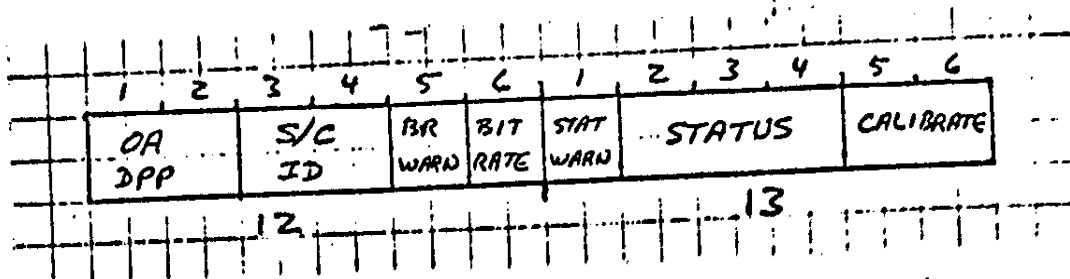
7-11

Pseudo-sequence-count. A 30-bit unsigned integer giving the PSC of the first sequence in the album. This is extrapolated back as needed from the PSC of the first non-fill sequence of the first non-empty page as given on our raw data tapes. PSCs within a file will increase monotonically except, perhaps, when there is a bit-rate change. (Two albums are never merged to create the output album unless the PSCs are identical.)

Chars.

12-13

Flags, as follows:



OA system DPP summary:

- 01 - All non-fill values of the optical-aspect system digital performance parameter agree that the system is on.
- 10 - One or more non-fill OA DPPs is the album state that the system is off.
- 00 - No non-fill readouts of the OA DPP.
- 11 - (will not occur)

Spacecraft ID.

- 01 - IMP-7
- 10 - IMP-8
- 00,11 - (will not occur)

Bit rate warning flag. A flag indicating whether it is known that during the preceding album of time the spacecraft was operating at the same bit rate as this album. (If not known, the first rate readouts in the album may cover an unknown amount of time.) This flag is set to 1 during reading of the raw data tape in each album containing the first non-empty page of an input file. If two albums are merged to create the final output file, the flag is reset to 0 unless it was set in both albums. During output, the flag is reset if the preceding album output has the same bit rate and immediately precedes this one in real time.

- 0 - preceding album known same
- 1 - otherwise

Bit rate. The telemetry bit rate, from the input file-header record. The program insists that this be consistent with the PSC stepping rate and the "k" bit in the telemetered spacecraft clock.

0 - 400 BPS

1 - 1600 BPS

Status warning flag. This flag is set if the status of the instrument during the preceding album of time is "mixed" (see status below) or is not known to be the same as the status of current album. Specifically, the flag is set to 1 if: (a) last album output is different bit rate or doesn't immediately precede in real time, or (b) the status of last album is "mixed" or different, or (c) the first fourteen snapshots (i.e. all but the last two) of the preceding album were all fill.

0 - previous status known same

1 - otherwise

Status. A 3-bit flag giving the ground-command state of the instrument during the current album. For each non-fill sequence in the album, a status is determined as follows: if the PI bits in the 36-bit scan are 00, the instrument is presumed to be off. Otherwise, the GC bits in the 20-bit scan are used. If all the sequences agree, then that is the summary status for the album; otherwise, the status is "mixed".

000 - off

001 - normal

010 - high gain

011 - emergency

100 - flare override

101 - mixed

110,111 - (will not occur)

Calibrate flag. For each album, the reconstructed spacecraft clock value in the first non-empty page is examined, and a calibrate/normal flag is constructed from the known relation between calibrate mode and the clock.

01 - this is the first album of a calibrate period

10 - this is an album of calibrate other than the first

11 - this is the first album of normal mode data following a calibrate period

00 - otherwise

(Note: "first album" means the actual first album in real time. The first album may not be present on the tape, owing to a gap in data coverage.)

Chars.

14-15

Decom run number, a 12-bit unsigned integer.

16-17

Date of sort. The date (day, January 1=1, and year modulo 1970) that the sort program was run on the raw data tape. (For bookkeeping and error tracing.)

[illegible]

18-19

Orbit number. A 12-bit unsigned orbit (perigee-crossing) number, taken from the header record in each raw data tape file. Ordinarily, all files in a run are for the same orbit, but in the event that two albums from files with different orbit numbers are merged, the smaller number will be kept. (The orbit number in the file header refers to the beginning time of the file.)

20-31

spares

DS 008968

FAST ANALYSIS OF TAPE AND RECOVERY -- FATAR VER 4.3.5 -- INNOVATION DATA PROCESSING AUTHORIZED 1/17/95 PAGE 1

FATS070 CONTROL CARD TABLE SIZE IS 4096 BYTES

FATAR CONTROL CARDS

1-- ANALYZE BLP, LABELS=NO, PRTLEN=1000
2-- PRINT LF=1, B=1-2, HEX
3-- PRINT LF=8, B=2653-2654, HEX
4-- PRINT LF=9, B=1-2, HEX
5-- PRINT LF=16, B=3031-3032, HEX

Copy 0082510

FATS071 TAPE BUFFER SIZE IS 65535 BYTES

CHARACTERISTICS OF THE TAPE TO BE ANALYZED
UNIT SERIAL DEN TRTCH
590 CMR11 6250

Start time 9/14/86

FATAR DETAIL REPORT

BLOCK LNGLTH/ MESSAGE/
NUMBER DISPL BLOCK TYPE

1...5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
(COLUMN GRID IS VALID ONLY FOR CHARACTER FORMATTED DATA)

* * * * * START FILE 1

Run 1166

day 288

1 1464 PRINT REQUESTED

+00033	0C166610	2018D8D4	8066448E/D54184FF	FC2A0000	00000000	102004B8	BFED8000
+00065	2000018D	485A00A8	2828088A 82288A88	00200000	00000020	00000000	00200000
+00097	00000020	00000000	00200000 00000020	00000000	00200000	00000020	00000000
+00129	00200000	00000020	00000000 000A05C0	6A020006	00C00802	00027AC3	5203000C
+00161	07C08A28	000000C0	00000006 02C03A03	000403C0	3A080000	00C00000	000AC5C7
+00193	CA2D0000	00C00000	000400C0 44020002	03C05E03	000C03C0	4A040000	00C00000
+00225	00200000	00000020	00000000 00200000	00000020	00000000	00200000	00000020
+00257	00000000	000E00C0	3000000C 34C04E10	20000020	00002000	00200000	20000000
+00289	00000000	00000000	00000000 00000000	00000000	20000020	00002000	00000000
+00321	00000000	00000000	00000000 00000000	00000000	00000000	000000A3	0A30A20A
+00353	00000000	00007FB8	0000000F 8007F000	000F8007	F07F000A	0000007F	00000000
+00385	007F07F0	0007F000	00007F00 0A800000	000005E8	00007C04	02000E70	00000023
+00417	102004B9	0FD210E0	4233818D 490000A0	20222000	02200000	000604C0	4A030004
+00449	04C05A06	000000C0	0000000C 0AC04E19	000803C0	4A030004	04C05A04	000004C0
+00481	5202000C	03C06A07	000A10C0 82040004	02C03002	000000C0	00000000	00C00800
+00513	000A03C0	4A030000	00C00000 00200000	00000020	00000000	000802C0	2A030000
+00545	00C00000	000402C0	4A08000E 03C04A07	000000C0	00000006	03C04A06	000424C0
+00577	8E030000	00C00000	000000C0 00000006	03C04A08	00200000	00000000	00000000
+00609	00200000	00000020	00000000 00200000	00000020	00000000	00000000	00000000
+00641	00000000	00000000	00000000 00200000	00000000	00000000	00000000	00000020
+00673	00002000	00200000	A70AE0A6 0A40A00A	E0A40A50	07C07C07	C07CF800	7C07CF80
+00705	988988A6	0A60A20A	50000000 07F07F07	F000B000	7F07F000	07F00007	F000A80A
+00737	2007F07F	07F07F07	F07F07F0 0007F000	F8007FA8	0B40A50A	805E85E8	07C07C20
+00769	009F01F0	00000003	102004B9 5FB510E0	43F4118D	4A8AAA0A	8A8A08A8	8888888A
+00801	00200000	00000020	00000000 00200000	00000020	00000000	00200000	00000020
+00833	00000000	00200000	00000020 00000000	00200000	00000020	00000000	00200000
+00865	00000020	00000000	00200000 00000020	00000000	00200000	00000020	00000000
+00897	000003C0	3A030000	00C00000 00200000	00000020	00000000	00200000	00000020
+00929	00000000	000803C0	5E010006 00C04000	00000000	00000000	00200000	00000020
+00961	4E030008	12C14A0A	000403C0 4A08000E	000407C2	52040000	00C00000	000A03C0
	20000020	00002000	00200000 30000006	00C00A00	000000C0	0000000A	02C03A02

FATAR DETAIL REPORT

BLOCK LNTH/ MESSAGE/
NUMBER DISPL BLOCK TYPE

1...5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
(COLUMN GRID IS VALID ONLY FOR CHARACTER FORMATTED DATA)

***** START FILE 6
***** END OF FILE 6 -- FILE CONTAINED 2835 BLOCKS
***** START FILE 7
***** END OF FILE 7 -- FILE CONTAINED 2791 BLOCKS
***** START FILE 8

Step/End time 10/17/86

2653 1464 PRINT REQUESTED

+00033	022CC312	2018F90E	EC644495	D63186FF	FC2A0000	00000000	122000D9	7C7910E0
+00065	034C2390	F0000000	00000000	00000000	000A03C0	4A080008	61C43E03	000403C0
+00097	5A03000E	05C06A02	000A14C0	BE050006	0FC04E05	00042EC0	4E04000E	03C04A02
+00129	000C00C0	00000008	03C03A04	000603C0	4A070002	13C06E03	000000C0	0000000A
+00161	04C03A03	00060DC0	AE0A0004	03C04A04	00001CC0	FE05000C	02C03E12	000803C0
+00193	52020000	00C00000	0000EDC1	3E230000	00C00000	000600C0	54020004	05C06A03
+00225	000006C7	2801000C	03C04804	000607C1	1E070004	8DC96A79	000146C1	1F33000C
+00257	00C03000	000000C0	00000006	ADC1EE4B	00000008	00020400	08000000	00000200
+00289	00000000	02000000	0C000306	00040C00	05070002	00000002	00040000	00000000
+00321	A40A50A2	0A40A20B	40A00A20	07C07C07	C07C07CF	8007C07C	A30A80A2	0A40A60A
+00353	70988A40	F8007F07	F07FB800	7FB80F80	07F07F07	F07FA00A	30A10A20	07F07F07
+00385	F07FF80F	8007FF80	07F07FAE	007FA40A	205EC5EC	07C07C04	00A10E70	00000003
+00417	122000D9	CC5D10E0	00D42390	F1000000	00000000	00000000	000002C0	4A0A000E
+00449	1AC04E0A	000803C0	4A080008	04C02001	000236C0	AE06000E	00C03000	000A06C0
+00481	6A040008	04C05E02	000000C0	00000000	0EC0CE04	000E03C0	6E080006	07C06E03
+00513	000618C0	AE9F0000	46C16E15	000000C0	0000000A	08C07E0A	000662C3	FE5C0000
+00545	04C05A03	000C05C0	7A02000A	02C03A09	000000C0	00000002	44C00E00	000E08C0
+00577	AA0A000A	04C05A02	000000C0	00000004	02C04A05	000003C0	5A030000	00C00000
+00609	000000C0	00000004	00C04000	000E03C0	5A04000E	04C05A02	0E000202	00060A00
+00641	03000000	00000000	00000C00	04020002	0C000300	00000400	03000000	00000000
+00673	00000000	000F0003	A309A898	8A40AE0A	00A20AE0	07CF8007	C07C07C0	7C07C07C
+00705	A30A20A8	0A209809	80A40A70	F8007F07	F07FF80F	8007FF80	07F07F07	F07FAC0B
+00737	40A00AA0	07F07FF8	0F8007F0	7F07F07F	F8007FB8	0F80A60A	605E85EC	07C07C20
+00769	00A101F0	00000003	122000DA	1C4110E0	02943390	F2000000	00000000	00000000
+00801	000A03C0	38070002	09C08A25	000203C0	3A080000	00C00000	000A0DC1	92020000
+00833	00C00000	000000C0	0000000E	04C04A03	000A05C0	6A020004	17C09E2D	000000C0
+00865	00000000	00C03000	000A03C0	4A070008	21C06E14	000000C0	0000000E	03C03E02
+00897	000A02C0	4A090008	04C04A03	000635C0	5E270002	09C06E05	000E04C0	5A010008
+00929	04C05A03	000604C0	5A020002	02C03A02	000C04C0	5A03000A	DEC0AE1D	000000C0
+00961	00000000	00C00000	000000C0	0000000C	02C04A07	000000C0	00000000	00C00000
+00993	00000000	00000400	020A0002	01000500	00000000	00080003	00000200	00000200
	02000000	00000000						

2654 1464 PRINT REQUESTED

+00033	022FF512	2018F90F	2C644495	D63186FF	FC2A0000	00000000	122000DA	BC0910E0
+00065	01DC4390	F4000000	00000000	00000000	000803C0	4A060000	00C00000	000E05C0
+00097	6A020008	03C03A03	000603C0	4A020004	08C07A10	000000C0	00000000	00C00000
+00129	000603C0	3A030004	03C03A03	000005C0	6A030000	00C00000	000A03C0	4A040006
+00161	03C03A03	00000000	00000000	00000000				

Run 1173 day 290

FATAR DETAIL REPORT

BLOCK LNTH/ MESSAGE/
NUMBER DISPL BLOCK TYPE

1...5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
(COLUMN GRID IS VALID ONLY FOR CHARACTER FORMATTED DATA)

3032 1464 PRINT REQUESTED

+00033	04FE4714	20195987	5864449D	C44189FF	FC2A0000	00000000	142001F3	53CA10DF
+00065	C20A2198	64000000	00000000	00000000	000610C0	532A0000	00000000	000F17C1
+00097	2E4F000A	04C05A02	000000C0	00000004	03C04A02	000E03C0	5202000C	D5C4CE0F
+00129	000809C0	9A0D0004	03C04A02	000E01C0	0A00000E	1FC11E0A	000814C0	9E020002
+00161	00C01A02	000000C0	0000000E	B5C19E0A	00082AC0	FE0D0006	0DC0CA09	000202C0
+00193	4A050000	00C00000	000E1BC0	9205000C	03C03A09	000000C0	00000000	0FC06E03
+00225	000000C0	00000000	00C00000	000407C0	72030000	00C04000	000E01C0	3A040008
+00257	04C05A06	000000C0	00000000	00C00000	09000300	00000000	00000000	00000000
+00289	00000000	00000000	00000000	00000000	00000000	0000000D	00030100	0F000000
+00321	A10F80B4	0B40AA0A	E0AA0A20	07C07C07	C07C07C0	7C07C07C	A80A80A0	0A20A20A
+00353	00A10AA0	07F07F07	F07FF800	7F07F07F	07F07F07	F07FA70A	E007F07F	07F07F07
+00385	FF8007F0	7F07F07F	07F07FF8	0B40A40A	E05E85E8	07C07C04	00A30E70	00000003
+00417	142001F3	A3AE8000	20000198	65000AA0	A0A0A022	02200202	000C03C0	5A03000A
+00449	00C02000	000000C0	00000000	02C04E02	000C03C0	4A02000C	03C04A02	000845C2
+00481	221A0004	03C05A02	000000C0	0000000A	03C03805	000803C0	5A060004	05C06A05
+00513	00000AC0	9A27000A	06C08A03	000608C0	9A050000	00C00000	000004C0	4A070000
+00545	00C00000	00200000	00000020	00000000	00200000	00000020	00000000	00200000
+00577	00000020	00000000	00200000	00000020	00000000	00200000	00000020	00000000
+00609	00200000	00000020	00000000	00200000	00000020	00000000	00000000	00000000
+00641	00000000	00000000	00000000	00000000	00000020	00002000	00200000	20000020
+00673	00002000	00200000	00000000	00000000	00000000	00000000	00000000	00000000
+00705	AE0B80A0	0A800000	00000000	07F07F00	0000B80F	80000000	07F07F00	0000AE0A
+00737	2007F000	07F000B0	007F07F0	0007F000	07F07F80	0A80AA00	005E45EC	07C00020
+00769	00A301F0	00000023	00000000	00008000	20000000	000AAAAA	AAAAAAA	AAAAAAA
+00801	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020
+00833	00000000	00200000	00000020	00000000	00200000	00000020	00000000	00200000
+00865	00000020	00000000	00200000	00000020	00000000	00200000	00000020	00000000
+00897	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020
+00929	00000000	00200000	00000020	00000000	00200000	00000020	00000000	00200000
+00961	00000020	00000000	00200000	00000020	00000000	00200000	00000020	00000000
+00993	20000020	00002000	00200000	20000020	00002000	00200000	20000020	00002000
	00200000	20000020						

***** END OF FILE 16 -- FILE CONTAINED 3032 BLOCKS

***** START FILE 17

***** END OF FILE 17 -- FILE CONTAINED 0 BLOCKS

FATS020 ANALYSIS TERMINATED AT TAPEMARK SEQUENCE

FILES READ		BLOCKS READ		BYTES READ		FINAL TOTALS		FEET READ		TEMP ERRS		PERM ERRS		FILES WRITTEN		BLOCKS WRITTEN	
16		42551		62294664		1895		0		0		0		0		0	

07/12/74 - 07/20/74

[illegible]

(1134)	000000006000	000000006022	601650160000	000060000000	000000006000	000000000000	600000000000	700360065005
(1152)	000060026004	501100002160	602271030000	000060000000	000073216010	713700004.43	600640070000	200360035010
(1200)	0000000036004	5002000000000	6000000000000	433060177014	000000006000	000000002004	600350020000	701360051002
(1248)	000040036004	5003000000000	6000000000000	032060117270	000070036004	500602000004	000000000000	000000000000
(1296)	014000040000	0000020000003	000000020000	000003600002	022000050240	000201000006	000000000000	000000000000
(1344)	464046704740	444444504750	473046700174	017401740174	017401740174	760047104410	441044644414	442044244500
(1392)	760076007600	017776005600	017701770177	017701770177	504052400177	520001770177	540001770177	017701770177
(1440)	017701775300	560053405000	271427200174	017401010216	020300000000	000303110002	376713070403	260304000475
(1488)	216000000000	000000000000	000000000000	400260037001	000040146006	700500002003	600450020000	023261377214
(1536)	000000006000	000000000000	6000000000000	500360035010	000070036004	500200006006	600540210000	000060000000
(1584)	000010036004	500700007003	600470110000	000060000000	000030006031	201000001003	600610010000	000460055002
(1632)	000000006000	000000003533	605775200000	100260045007	000000006000	000000007000	600460020000	500060046001
(1680)	000010026004	500700000131	600410020000	600160035004	000040060004	100000002003	600450020000	000060000000
(1728)	000060056006	300300004003	600450070000	205360041001	000000606012	724301400005	024000040000	000000000000
(1776)	000000000000	000000400003	000000000000	000000000000	000000030000	000000000000	020000020000	000000000000
(1824)	473047104760	440044304444	445044140174	760076000174	017401740174	017444344414	443447304400	440444244760
(1872)	017701770177	560001777600	760076000177	017701770177	500053005400	540001770177	560001770177	017701770177
(1920)	017701775400	540050005300	272027100174	017410000216	020300000000	0003		

FILE	2	# OF DATA RECORDS	2981	# SUCCESSFUL READS	2983	# SHORT RECORDS	0	# UNDEFINED ERRORS	0
	# PERMANENT READ ERRORS	0	# ZERO BYTE ERRORS	0					
	# OF RECORDS RETRIED	1	TOTAL # OF RETRIES	1					

```

INPUT TAPE  GOUT2  ON  AT1
DATA INPUT  H9 NF 2 SR 1 1 1 SR 2 LAST 1

```

02/26/78 - 03/06/78

[illegible]

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	3565	3565	1464	0	35	0	0	35	40

FILE	2	RECORD	246F	LENGTH	1464BYTES	65						
()	052FC204	10082A4C	0064418B	0C208400	00050000	00000000	04100206	A7E81108	F00B12A4	CC000000		
(40)	00000000	00000000	000093C0	6E2E0000	00C00000	000803C0	4A020002	02C21E32	000002C0	9A03C000		
(80)	00C00000	000604C0	5E010000	00C00000	000009C0	5A0A000E	00C08401	0000000C	00000006	02C07A0D		
(120)	000203C0	4A073C00	00C00000	000A06C0	02000000	00C00000	00041BC0	52000000	0BC3BE95	000A38C0		
(160)	8E030000	00C00000	00040BC0	AA000000	00C04000	000CC1C0	AE120000	00C00000	000404C0	4A020002		
(200)	03C02A00	00000000	0000000A	04C05A02	000602C0	4A020000	05C04E13	000E22C0	5E100000	00C00000		
(240)	01000404	00030E00	02000000	0E000300	00000A00	03020002	08000300	00000C00	03020003	0600030E		
(280)	00020600	020E0003	8A88BC8D	88B48988	948848A0	07C07C07	C07C07C0	7CF8007C	8C089A09	88AA8B48		
(320)	AE8A88BE	F3007FF8	007FB800	7FB80F80	F8007F07	F07FA40A	10AA0A00	07F07FB8	0B8007F0	7F07F07F		
(360)	07F87FB0	0B00A10A	005F05EC	07C07C03	F09E0E70	00000003	04100206	F7CC1108	821C12A4	00000000		
(400)	00000000	00000000	00060CC0	5E0F0000	00C00000	000034C0	0A01000A	94C08E22	000203C0	4A080004		
(440)	03C05A06	000E03C0	4A07000C	02C04A04	000002C0	3A020004	04C04A05	000203C0	4AC0000C	05C06203		
(480)	000A30C0	6E050000	00C00000	00C00000	00C00000	03C04E02	000003C0	3A020006	00C04E01	000403C0		
(520)	4A04000E	00C0D202	000C02C0	4A030000	00C00000	00000000	00000000	17C08E05	00C0C2C0	3A020006		
(560)	03C04A02	000404C0	5E020000	04C05A01	000C03C0	4A03000A	27C08E07	000603C0	3E040000	00C00000		

(600)	0400050F	00040400	05000002	02000301	00030400	050A0002	00000000	00030000	00000000	0300050A
(640)	00030300	02000000	0B00C00F	00000000	00000000	07007007	0070070F	0070070F	0070070F	0070070F
(680)	04000974	07007007	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(720)	07007007	0A00A40A	105F4500	07007007	00000000	00000000	00000000	00000000	00000000	00000000
(760)	00000000	00000000	00000000	0A020000	00000000	00000000	00000000	00000000	00000000	00000000
(800)	0A000205	00001000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(840)	00020000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(880)	00000000	00000000	00020800	02020000	00000000	00000000	00000000	00000000	00000000	00000000
(920)	03004002	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1000)	00020000	00020000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1080)	07007007	0A00A40A	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)	000A2000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1240)	12020000	03004007	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1280)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1320)	0400040E	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1400)	A68A889E	00007007	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1440)	07007007	0B40A50A	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY				INPUT RETRIES	
	RECS.	INPUT	SIZE	PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
2	2468	2469	1464	0	48	0	0	48	54

EOJ DUMP STOPPED AFTER FILE 2 # OF PERMANENT READ ERRORS 0

START TIME 03/16/82 18:52:24 STOP TIME 03/16/82 18:54:35

Imp-J 056957
9/23/79 - 10/10/79

FILE 1 RECORD 1 LENGTH 1464BYTES

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	2942	2942	1464	0	0	0	0	0	0

[illegible]

(760)	AAAAAAA	AAAAAAA	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020
(800)	00000000	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020	00000000
(840)	00200000	00000020	00000000	00200000	00000000	00000020	00000000	00200000	00000020	00000000
(880)	00000020	00000000	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020
(920)	00000000	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020	00000000
(960)	20000020	00002000	00200000	20000020	00002000	00200000	20000020	00002000	00200000	20000020
(1000)	00002000	00200000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1040)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1080)	00000000	00000000	00000000	00000020	02002000	00000021	00000000	00008000	20000000	000AAAAA
(1120)	AAAAAAA	AAAAAAA	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020
(1160)	00000000	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020	00000000
(1200)	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020	00000000	00200000
(1240)	00000020	00000000	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020
(1280)	00000000	00200000	00000020	00000000	00200000	00000020	00000000	00200000	00000020	00000000
(1320)	20000020	00002000	00200000	20000020	00002000	00200000	20000020	00002000	00200000	20000020
(1360)	00002000	00200000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1440)	00000000	00000000	00000000	00000020	02002000	00000021				

FILE	INPUT RECS.	DATA INPUT	RECORDS	MAX. SIZE	READ PERM	ERROR ZERO	SUMMARY B	SHORT	UNDEF.	INPUT #RECS.	RETRIES TOTAL#
1	1974	1975		1464	0	0	0	0	0	0	0

FILE	2 RECORD	1 LENGTH	1464BYTES
(0)	05518770	DA0F1760	C02E42CD 7580EF00
(40)	AAAAAAA	AAAAAAA	00200000 00000020
(80)	00000000	00200000	00000020 00000000
(120)	00200000	00000020	00000000 00200000
(160)	00000020	00000000	00200000 00000020
(200)	00000000	00200000	00000020 00000000
(240)	20000020	00002000	00200000 20000020
(280)	00002000	00200000	00000000 00000000
(320)	00000000	00000000	00000000 00000000
(360)	00000000	00000000	00000000 00000020
(400)	AAAAAAA	AAAAAAA	00200000 00000020
(440)	00000000	00200000	00000020 00000000
(480)	00200000	00000020	00000000 00200000
(520)	00000020	00000000	00200000 00000020
(560)	00000000	00200000	00000020 00000000
(600)	20000020	00002000	00200000 20000020
(640)	00002000	00200000	00000000 00000000
(680)	00000000	00000000	00000000 00000000
(720)	00000000	00000000	00000000 00000020
(760)	AAA2AAAA	AAAAAAA	00200000 00000020
(800)	00000000	000000C0	3C01000C 0EC0B202
(840)	00200000	00000020	00000000 00200000
(880)	00000020	00000000	00200000 00000020
(920)	00000000	00200000	00000020 00000000
(960)	20000020	00002000	00000000 20000020
(1000)	00002000	00200000	00000000 00000000
(1040)	00000000	00000000	00000000 00000000
(1080)	00000000	00000000	00000000 00000020
(1120)	AAAAAAA	AAAAAAA	00200000 00000020
(1160)	00000000	00200000	00000020 00000000
(1200)	00200000	00000020	00000000 00200000
(1240)	00000020	00000000	00200000 00000020
(1280)	00000000	00200000	00000020 00000000
(1320)	20000020	00002000	00200000 20000020
(1360)	00002000	00200000	00000000 00000000
(1400)	00000000	00000000	00000000 00000000
(1440)	00000000	00000000	00000000 00000020

FILE	2 RECORD	2975 LENGTH	1464BYTES
(0)	04F33B71	100F1B79	806402CD 7580EF00
(40)	00000000	00000000	00000000 00000000
(80)	00000000	00000000	00000000 00000000

