

DSC# 330

IMP-H & IMP-J

ARCHIVE TAPES OF ALL DETECTORS

72-073A-08A - SPMS-00044

73-078A-08A - SPHE-00591

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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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

ARCHIVE TAPE OF ALL DETECTORS

73-078A-08A

SPHE-00591

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WERE 39 7-TRACK, 800 BPI TAPES. THERE ARE FOUR RESTORED TAPES. THE DR AND DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON AN IBM 7094 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPAN ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR00900	DS00900	D23148	1	10/30/73 - 11/03/73
		D23149	2	11/03/73 - 11/07/73
		D23150	3	11/07/73 - 11/11/73 (a)
		D23151	4	11/11/73 - 11/15/73 (b)
		D23152	5	11/15/73 - 11/19/73
		D23153	6	11/19/73 - 11/23/73
		D23154	7	11/23/73 - 11/27/73
		D23155	8	11/27/73 - 12/02/73
		D23156	9	12/02/73 - 12/06/73
		D23157	10	12/06/73 - 12/10/73 (c)
DR00901	DS00901	D23158	1	12/10/73 - 12/14/73 (d)
		D23159	2	12/14/73 - 12/18/73
		D23160	3	12/27/73 - 12/31/73
		D23161	4	12/31/73 - 01/04/74 (e)
		D23162	5	01/04/74 - 01/08/74 (f)
		D23163	6	01/08/74 - 01/12/74
		D23164	7	01/12/74 - 01/16/74 (g)
		D23165	8	01/16/74 - 01/20/74
		D23166	9	01/20/74 - 01/24/74 (h)
		D23167	10	01/24/74 - 01/28/74
DR00902	DS00902	D23168	1	02/01/74 - 02/05/74
		D23169	2	02/05/74 - 02/09/74
		D23170	3	02/09/74 - 02/13/74
		D23171	4	02/13/74 - 02/17/74
		D23172	5	02/17/74 - 02/21/74 (i)
		D23173	6	02/21/74 - 02/25/74
		D23174	7	02/25/74 - 03/01/74
		D23175	8	03/01/74 - 03/05/74
		D23176	9	03/05/74 - 03/08/74 (j)
		D23177	10	03/08/74 - 03/12/74

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DR#	DS#	D#	FILES	TIME SPAN
DR00903	DS00903	D23178	1	03/12/74 - 03/17/74
		D23179	2	03/17/74 - 03/21/74
		D23180	3	03/21/74 - 03/25/74
		D23181	4	03/25/74 - 03/29/74 (k)
		D23182	5	03/29/74 - 04/02/74
		D23183	6	04/02/74 - 04/06/74
		D23184	7	04/06/74 - 04/10/74
		D23185	8	04/10/74 - 04/14/74
		D23186	9	04/14/74 - 04/19/74

- (a) READ ERROR OCCURRED ON RECORD 24, FILE 1
- (b) READ ERROR OCCURRED ON RECORD 2, FILE 1
- (c) READ ERROR OCCURRED ON RECORD 3, FILE 1
- (d) READ ERROR OCCURRED ON RECORD 7, FILE 1
- (e) READ ERRORS OCCURRED ON RECORDS 26 & 40, FILE 1
- (f) READ ERRORS OCCURRED ON RECORDS 4-6, FILE 1
- (g) READ ERROR OCCURRED ON RECORD 130, FILE 1
- (h) READ ERROR OCCURRED ON RECORD 115, FILE 1
- (i) READ ERROR OCCURRED ON RECORD 81, FILE 1
- (j) READ ERRORS OCCURRED ON RECORDS 175 & 1045, FILE 1
- (k) READ ERRORS OCCURRED ON RECORDS 4 & 5, FILE 1

IMP-H

ARCHIVE TAPES OF ALL DETECTORS

72-073A-08A

SPMS-00044

This data set has been restored. There were originally 327 7-track, 800 BPI tapes written in Binary. Only 84 of these tapes were restored. The rest of the data set was released per JHK. There are nine restored tapes. The DR tapes are 3480 cartridges and the DS tapes are 9-track, 6250 BPI. The original tapes were crated on an IBM 360 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers and the time spans are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR003340	DS003340	D012763	1	09/28/72 - 10/01/72
		D012764	2	10/01/72 - 10/02/72
		D012863	3	10/02/72 - 10/05/72
		D012864	4	10/05/72 - 10/06/72
		D012865	5	10/06/72 - 10/09/72
		D012860	6	10/09/72 - 10/11/72
		D012861	7	10/11/72 - 10/13/72
		D012862	8	10/13/72 - 10/15/72
DR003341	DS003341	D012858	1	10/15/72 - 10/17/72
		D012859	2	10/17/72 - 10/19/72
		D013043	3	10/19/72 - 10/21/72
		D013044	4	10/21/72 - 10/23/72
		D013045	5	10/23/72 - 10/25/72
		D013046	6	10/25/72 - 10/27/72
		D013047	7	10/27/72 - 10/29/72
		D013048	8	10/29/72 - 10/31/72
DR003528	DS003528	D013049	1	10/31/72 - 11/02/72
		D013050	2	11/02/72 - 11/04/72
		D013051	3	11/04/72 - 11/06/72
		D013052	4	11/06/72 - 11/08/72
		D013053	5	11/08/72 - 11/10/72
		D013054	6	11/10/72 - 11/12/72
		D013055	7	11/12/72 - 11/14/72
		D013056	8	11/14/72 - 11/16/72
		D013057	9	11/16/72 - 11/18/72
DR003529	DS003529	D013058	1	11/18/72 - 11/20/72
		D013059	2	11/20/72 - 11/22/72
		D013060	3	11/22/72 - 11/24/72
		D013061	4	11/24/72 - 11/27/72
		D013062	5	11/27/72 - 11/28/72
		D013063	6	11/28/72 - 12/01/72
		D013064	7	12/01/72 - 12/03/72
		D013065	8	12/03/72 - 12/05/72
		D013066	9	12/05/72 - 12/07/72

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DR#	DS#	D#	FILES	TIME SPAN
DR003538	DS003538	D013725	1	12/07/72 - 12/09/72
		D013724	2	12/09/72 - 12/11/72
		D013723	3	12/11/72 - 12/13/72
		D013722	4	12/13/72 - 12/15/72
		D013721	5	12/15/72 - 12/17/72
		D013726	6	12/17/72 - 12/19/72
		D013720	7	12/19/72 - 12/21/72
		D013719	8	12/21/72 - 12/23/72
		D013718	9	12/23/72 - 12/25/72
		D013717	10	12/25/72 - 12/27/72
DR003539	DS003539	D013715	1	12/27/72 - 12/29/72
		D013716	2	12/29/72 - 12/31/72
		D014074	3	12/31/72 - 01/02/73
		D014075	4	01/02/73 - 01/04/73
		D014076	5	01/04/73 - 01/06/73
		D014077	6	01/06/73 - 01/08/73
		D014078	7	01/08/73 - 01/10/73
		D014079	8	01/10/73 - 01/12/73
		D014080	9	01/12/73 - 01/14/73
		D014081	10	01/14/73 - 01/16/73
DR003540	DS003540	D014082	1	01/16/73 - 01/18/73
		D014083	2	01/18/73 - 01/20/73
		D014084	3	01/20/73 - 01/22/73
		D014085	4	01/22/73 - 01/24/73
		D014392	5	01/24/73 - 01/26/73
		D014393	6	01/26/73 - 01/28/73
		D014394	7	01/28/73 - 01/30/73
		D014395	8	01/30/73 - 02/01/73
		D014396	9	02/01/73 - 02/03/73
		D014397	10	02/03/73 - 02/05/73
DS003541	DS003541	D014398	1	02/05/73 - 02/07/73
		D014399	2	02/07/73 - 02/09/73
		D014400	3	02/09/73 - 02/11/73
		D014401	4	02/11/73 - 02/13/73
		D014402	5	02/13/73 - 02/15/73
		D014403	6	02/15/73 - 02/17/73
		D015632	7	02/17/73 - 02/19/73
		D015633	8	02/19/73 - 02/21/73
		D015634	9	02/21/73 - 02/24/73
		D015635	10	02/24/73 - 02/25/73

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DR#	DS#	D#	FILES	TIME SPAN
DS003542	DS003542	D015636	1	02/25/73 - 02/28/73
		D015637	2	02/28/73 - 03/01/73
		D015638	3	03/01/73 - 03/04/73
		D015639	4	03/04/73 - 03/05/73
		D016986	5	03/05/73 - 03/08/73
		D016987	6	03/08/73 - 03/10/73
		D015640	7	03/10/73 - 03/12/73
		D015641	8	03/12/73 - 03/14/73
		D015642	9	03/14/73 - 03/16/73
		D015643	10	03/16/73 - 03/18/73

REQ. AGENT
WTJ

RAND NO.
RB4824

ACQ. AGENT
CDW

IMP-H

EXPLORER 47

ARCHIVE TAPES OF ALL DETECTORS

72-073A-08A

(LONG FORMAT)

This data set consists of Explorer 47 Archive Tapes that were produced on an IBM 360 computer. The tapes are 800 BPI, Binary, 7-track and contain 1 file of data. Each physical record which has a block size of 29016 bytes contain two logical records of 14508 bytes. The tapes are labeled with a Decom number followed by the letter 'A' or 'B'. Each tape is labeled with the letter A begins with an identification record, tapes labeled with the letter B begins with a data record. The following pages list the 'D' and 'C' numbers, the Decom Numbers and the time span of each tape.

<u>D#</u>	<u>C#</u>	<u>DECOM</u>	<u>TIME SPAN</u>
D-12763	C-09783	1A	09/28/72 - 10/01/72
D-12764	C-09784	1B	10/01/72 - 10/02/72
D-12858	C-09785	5A	10/15/72 - 10/17/72
D-12859	C-09786	5B	10/17/72 - 10/19/72
D-12860	C-09787	3B	10/09/72 - 10/11/72
D-12861	C-09788	4A	10/11/72 - 10/13/72
D-12862	C-09789	4B	10/13/72 - 10/15/72
D-12863	C-09790	2A	10/02/72 - 10/05/72
D-12864	C-09791	2B	10/05/72 - 10/06/72
D-12865	C-09792	3A	10/06/72 - 10/09/72
D-13043	C-10093	6A	10/19/72 - 10/21/72
D-13044	C-10094	6B	10/21/72 - 10/23/72
D-13045	C-10095	7A	10/23/72 - 10/25/72
D-13046	C-10096	7B	10/25/72 - 10/27/72
D-13047	C-10097	8A	10/27/72 - 10/29/72
D-13048	C-10098	8B	10/29/72 - 10/31/72
D-13049	C-10099	9A	10/31/72 - 11/02/72
D-13050	C-10100	9B	11/02/72 - 11/04/72
D-13051	C-10101	10A	11/04/72 - 11/06/72
D-13052	C-10102	10B	11/06/72 - 11/08/72
D-13053	C-10103	11A	11/08/72 - 11/10/72
D-13054	C-10104	11B	11/10/72 - 11/12/72
D-13055	C-10105	12A	11/12/72 - 11/14/72
D-13056	C-10106	12B	11/14/72 - 11/16/72
D-13057	C-10107	13A	11/16/72 - 11/18/72
D-13058	C-10108	13B	11/18/72 - 11/20/72
D-13059	C-10109	14A	11/20/72 - 11/22/72
D-13060	C-10110	14B	11/22/72 - 11/24/72
D-13061	C-10111	15A	11/24/72 - 11/27/72
D-13062	C-10112	15B	11/27/72 - 11/28/72
D-13063	C-10113	16A	11/28/72 - 12/01/72
D-13064	C-10114	16B	12/01/72 - 12/03/72
D-13065	C-10115	17A	12/03/72 - 12/05/72
D-13066	C-10116	17B	12/05/72 - 12/07/72
D-13715	C-10287	23A	12/27/72 - 12/29/72
D-13716	C-10288	23B	12/29/72 - 12/31/72
D-13717	C-10289	22B	12/25/72 - 12/27/72
D-13718	C-10290	22A	12/23/72 - 12/25/72
D-13719	C-10291	21B	12/21/72 - 12/23/72
D-13720	C-10292	21A	12/19/72 - 12/21/72
D-13721	C-10293	20B	12/15/72 - 12/17/72
D-13722	C-10294	19B	12/13/72 - 12/15/72
D-13723	C-10295	19A	12/11/72 - 12/13/72
D-13724	C-10296	18B	12/09/72 - 12/11/72
D-13725	C-10297	18A	12/07/72 - 12/09/72
D-13726	C-10298	20A	12/17/72 - 12/19/72
D-14074	C-11119	24A	12/31/72 - 01/02/73
D-14075	C-11120	24B	01/02/73 - 01/04/73
D-14076	C-11121	25A	01/04/73 - 01/06/73
D-14077	C-11122	25B	01/06/73 - 01/08/73
D-14078	C-11123	26A	01/08/73 - 01/10/73
D-14079	C-11124	26B	01/10/73 - 01/12/73
D-14080	C-11125	27A	01/12/73 - 01/14/73

<u>D#</u>	<u>C#</u>	<u>DECOM</u>	<u>TIME SPAN</u>
D-14081	C-11126	27B	01/14/73 - 01/16/73
D-14082	C-11127	28A	01/16/73 - 01/18/73
D-14083	C-11128	28B	01/18/73 - 01/20/73
D-14084	C-11129	29A	01/20/73 - 01/22/73
D-14085	C-11130	29B	01/22/73 - 01/24/73
D-14392	C-11425	30A	01/24/73 - 01/26/73
D-14393	C-12178	30B	01/26/73 - 01/28/73
D-14394	C-11426	31A	01/28/73 - 01/13/73
D-14395	C-11427	31B	01/30/73 - 02/01/73
D-14396	C-11428	32A	02/01/73 - 02/03/73
D-14397	C-11429	32B	02/03/73 - 02/05/73
D-14398	C-11430	33A	02/05/73 - 02/07/73
D-14399	C-12179	33B	02/07/73 - 02/09/73
D-14400	C-11431	34A	02/09/73 - 02/11/73
D-14401	C-11432	34B	02/11/73 - 02/13/73
D-14402	C-11433	35A	02/13/73 - 02/15/73
D-14403	C-11434	35B	02/15/73 - 02/17/73
D-15632	C-11762	36A	02/17/73 - 02/19/73
D-15633	C-11763	36B	02/19/73 - 02/21/73
D-15634	C-11764	37A	02/21/73 - 02/24/73
D-15635	C-11765	37B	02/24/73 - 02/25/73
D-15636	C-11766	38A	02/25/73 - 02/28/73
D-15637	C-11767	38B	02/28/73 - 03/01/73
D-15638	C-11768	39A	03/01/73 - 03/04/73
D-15639	C-11769	39B	03/04/73 - 03/05/73
D-15640	C-11770	41A	03/10/73 - 03/12/73
D-15641	C-11771	41B	03/12/73 - 03/14/73
D-15642	C-11772	42A	03/14/73 - 03/16/73
D-15643	C-11773	42B	03/16/73 - 03/18/73
D-15644	C-11774	44A	03/22/73 - 03/24/73
D-15645	C-11775	44B	03/24/73 - 03/26/73
D-15646	C-11776	45B	03/28/73 - 03/30/73
D-15647	C-11777	45A	03/26/73 - 03/28/73
D-15648	C-11778	46A	03/30/73 - 04/01/73
D-15649	C-17779	46B	04/01/73 - 04/03/73
D-15650	C-11780	47A	04/03/73 - 04/05/73
D-15651	C-11781	47B	04/05/73 - 04/07/73
D-15652	C-11782	48A	04/07/73 - 04/09/73
D-15653	C-11783	48B	04/09/73 - 04/11/73
D-15654	C-11784	49A	04/11/73 - 04/13/73
D-15655	C-11785	49B	04/13/73 - 04/15/73
D-15456	C-11786	50A	04/15/73 - 04/18/73
D-15457	C-11787	50B	04/18/73 - 04/19/73
D-15658	C-11788	51A	04/19/73 - 04/21/73
D-15659	C-11789	51B	04/21/73 - 04/23/73
D-15660	C-11790	65A	06/15/73 - 06/17/73
D-15661	C-11791	65B	06/17/73 - 06/19/73
D-15736	C-11904	53A	04/27/73 - 04/29/73
D-15737	C-11905	53B	04/29/73 - 05/01/73
D-15738	C-11906	54A	05/01/73 - 05/03/73
D-15739	C-11907	54B	05/03/73 - 05/05/73
D-15740	C-11908	55A	05/05/73 - 05/08/73

<u>D#</u>	<u>C#</u>	<u>DECOM</u>	<u>TIME SPAN</u>
D-15471	C-11909	55B	05/08/73 - 05/09/73
D-15742	C-11910	56A	05/09/73 - 05/11/73
D-15743	C-11911	56B	05/11/73 - 05/13/73
D-15744	C-11912	57A	05/13/73 - 05/15/73
D-15745	C-11913	57B	05/15/73 - 05/17/73
D-15746	C-11914	58A	05/17/73 - 05/19/73
D-15747	C-11915	58B	05/19/73 - 05/21/73
D-15748	C-11916	59A	05/21/73 - 05/24/73
D-15749	C-11917	59B	05/24/73 - 05/25/73
D-15750	C-11918	60A	05/25/73 - 05/28/73
D-15751	C-11919	60B	05/28/73 - 05/29/73
D-15752	C-11920	61A	05/29/73 - 06/01/73
D-15753	C-11921	61B	06/01/73 - 06/03/73
D-15754	C-11922	62A	06/03/73 - 06/05/73
D-15755	C-11923	62B	06/05/73 - 06/07/73
D-15756	C-11924	63A	06/07/73 - 06/09/73
D-15757	C-11925	63B	06/09/73 - 06/11/73
D-15758	C-11926	64A	06/11/73 - 06/13/73
D-15759	C-11927	64B	06/13/73 - 06/15/73
D-15760	C-11928	66A	06/19/73 - 06/24/73
D-15761	C-11929	66B	06/21/73 - 06/23/73
D-15762	C-11930	67A	06/23/73 - 06/25/73
D-15763	C-11931	67B	06/25/73 - 06/27/73
D-16986	C-12981	40A	03/05/73 - 03/08/73
D-16987	C-12982	40B	03/08/73 - 03/10/73
D-16988	C-12983	43A	03/18/73 - 03/20/73
D-16989	C-12984	43B	03/20/73 - 03/22/73
D-16990	C-12985	52A	04/23/73 - 04/25/73
D-16991	C-12986	52B	04/25/73 - 04/27/73

72-073A-08A (POSSIBLE SHORT FORMAT)

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-19128	C-15197	06/27/73 - 07/01/73
D-19129	C-15198	07/01/73 - 07/05/73
D-19130	C-15199	07/05/73 - 07/09/73
D-19131	C-15200	07/09/73 - 07/13/73
D-19132	C-15201	07/13/73 - 07/17/73
D-19133	C-15202	07/17/73 - 07/21/73
D-19134	C-15203	07/21/73 - 07/25/73
D-19135	C-15204	07/25/73 - 07/29/73
D-19136	C-15205	07/29/73 - 08/02/73
D-19137	C-15206	08/02/73 - 08/06/73
D-19138	C-15207	08/06/73 - 08/10/73
D-19139	C-15208	08/10/73 - 08/14/73
D-19140	C-15209	08/14/73 - 08/18/73
D-19141	C-15210	08/18/73 - 08/22/73
D-19142	C-15211	08/22/73 - 08/26/73
D-19143	C-15212	08/26/73 - 08/30/73
D-19144	C-15213	08/30/73 - 09/03/73
D-19145	C-15214	09/03/73 - 09/07/73
D-19146	C-15215	09/07/73 - 09/11/73
D-19147	C-15216	09/11/73 - 09/15/73
D-19148	C-15217	09/15/73 - 09/19/73
D-19149	C-15218	09/19/73 - 09/23/73
D-19150	C-15219	09/23/73 - 09/27/73
D-19151	C-15220	09/27/73 - 10/01/73
D-19152	C-15221	10/01/73 - 10/06/73
D-19153	C-15222	10/06/73 - 10/10/73
D-19154	C-15223	10/10/73 - 10/14/73
D-19155	C-15224	10/14/73 - 10/18/73
D-19156	C-15225	10/18/73 - 10/22/73
D-19157	C-15226	10/22/73 - 10/26/73
D-19158	C-15227	10/26/73 - 10/30/73
D-19159	C-15228	10/30/73 - 11/03/73
D-19160	C-15229	11/03/73 - 11/07/73

DATA FORMAT

EXPLORER 47

ARCHIVE TAPES OF ALL DETECTORS

72-073A-08A

<u>NO.</u>	<u>NAME/DESCRIPTION</u>	<u>BYTES</u>	<u>BYTE INDEX</u>	
8	Year of PP 0-7	2	1	16
8	Day of PP 0-7	2	17	32
8	Millisec of day	4	33	64
8	Time flags (0,1,2,or 3)	1	65	72
8	S/C Clock, PP 0-7	4	73	104
8	S/C Clock flags (=0 are OK)	1	105	112
8	Pseudo Seq. Counter	4	113	144
9	E1 (1 2 3 ... 8) + Avg. C/S	4	145	180
279	E1 C/S Cont.	4	181	1,296
288	E1 Uncert.	4	1,297	2,448
32	E1 Flags (0,1,or 2)	1	2,449	2,480
9	E3 (1 5 9 ... 29) + Avg C/S	4	2,481	2,516
9	E3 (4 8 12 ... 32) + Avg C/S	4	2,517	2,552
9	E3 (3 7 11 ... 31) + Avg C/S	4	2,553	2,588
9	E3 (2 6 10 ... 30) + Avg C/S	4	2,589	2,624
108	E3 C/S Cont.	4	2,625	3,056
144	E3 Uncert.	4	3,057	3,632
16	E3 Flags (0,1,or 2)	1	3,633	3,648
9	E2A (1 2 3 ... 8) + Avg C/S (SSO)	4	3,649	3,684
135	E2A C/S + Avg Cont.	4	3,685	4,224
144	E2A Uncert.	4	4,225	4,800
16	E2A Flags (0,1,or 2)	1	4,801	4,816
32	M C/S	4	4,817	4,944
32	S C/S	4	4,945	5,072

<u>NO.</u>	<u>NAME/DESCRIPTION</u>	<u>BYTES</u>	<u>BYTE INDEX</u>	
32	M Uncert.	4	5,073	5,200
32	S Uncert.	4	5,201	5,328
32	M Flags (0,1,or 2)	1	5,329	5,360
32	S Flags (0,1,or 2)	1	5,361	5,392
16	E4 SP. Avg C/S (SS0)	4	5,393	5,456
16	E2B C/S (SS0)	4	5,457	5,520
16	E2C C/S (SS1)	4	5,521	5,584
16	P4 C/S (SS1)	4	5,585	5,648
16	P5 C/S (SS0)	4	5,649	5,712
16	Z4 C/S (SS0)	4	5,713	5,776
16	E4 SP. Avg Uncerts	4	5,777	5,840
16	E2B Uncerts	4	5,841	5,904
16	E2C Uncerts	4	5,905	5,968
16	P4 Uncerts	4	5,969	6,032
16	P5 Uncerts	4	6,033	6,096
16	Z4 Uncerts	4	6,097	6,160
16	E4 Flags	1	6,161	6,176
16	E2B Flags	1	6,177	6,192
16	E2C Flags	1	6,193	6,208
16	P4 Flags	1	6,209	6,224
16	P5 Flags	1	6,225	6,240
16	Z4 Flags	1	6,241	6,256
1	Calibrate Flag	1	6,257	
1	Cal Flag Flag	1	6,258	
1	****ALB.1.EPHEMERIS DAY	4	6,259	6,262
1	MSEC OF DAY EPHEMERIS	4	6,263	6,266
2	S/C R.A., DEC. (DEG)	4	6,267	6,274
1	Type of Data ***	4	6,275	6,278
1	Spin Period (sec)	4	6,279	6,282

<u>NO.</u>	<u>NAME/DESCRIPTION</u>	<u>BYTES</u>	<u>BYTE INDEX</u>	
2	Spin R.A., DEC (DEG)	4	6,283	6,290
2	Spin S ECL. the PHI (DEG)	4	6,291	6,298
1	**** ALB.2 EPHEMERIS DAY	4	6,299	6,302
1	MSEC OFDAY EPHEMERIS	4	6,303	6,306
2	S/C GEO LONG LAT (DEG)	4	6,307	6,314
1	EARTH CNTR RAD DIST (KM)	4	6,315	6,318
3	S/C GEO S. EC. XYZ (KM)	4	6,319	6,330
3	S/C GEO S. MAG XYZ (KM)	4	6,331	6,342
3	MOON GEO S. ECL XYZ (KM)	4	6,343	6,354
3	S/C GEO EQU IN XYZ (KM)	4	6,355	6,366
3	SUN GEO EQU IN XYZ (AU)	4	6,367	6,378
2	S/C R.A., DEC. (DEG)	4	6,379	6,386
2	S/C VEL R.A. DEC (DEG)	4	6,387	6,394
1	MAG OF VEL (KM/SEC)	4	6,395	6,398
1	S/C EARTH-SUN ANG (DEG)	4	6,399	6,402
1	TYPE OF DATA ***	4	6,403	6,406
1	Spin Period (SEC)	4	6,407	6,410
2	Spin R.A. DEC (DEG)	4	6,411	6,418
2	Spin S ECL THE, PHI. (DEG)	4	6,419	6,426

new copy
M-1

FLAGGED DATA

SATELLITE NAME:

Explorer 47

DATA SET ID:

72-073A-08A

PROGRAMMER:

Pat Astill

DATE:

Feb 3, 1975 supersedes April 4, 1974

Change made so that either IMP-H (Explorer 47) or IMP-J (Explorer 50) data could be processed. IMP-J data has as identification IMP-J on the first title line of each page which is reproduced on the merged file.

PURPOSE:

This program was written to merge all error tapes from IMP-H archive data set into a time ordered file with the facility to update file as necessary.

INPUT:

TAPE

Logical unit A2, 556 BPI, 7 track BCD 7094 tapes. Flagged data tapes produced by request RB4444 and if necessary previous merged flagged data tape, all time ordered.

CARDS

1. Card to indicate whether first input tape is a merged flagged tape (4 punched in column 1), or the first flagged tape for the data set (a 1 punched in column 1), for IMP H data (H punched in column 2) or IMP J data (J punched in column 2).
2. Card to give start date (year, month, day) for the input data, end date (year, month, day) for the last record to be input and the number of input tapes to be processed. N.B. start date maybe omitted if first input tape is a merged flagged data tape.

OUTPUT:

TAPE

M-2

Unit B1

A BCD, 556 BPI, 7 track tape of time ordered merged flagged data. Each completed output tape consists of an integer number of full pages of output, approximately 400 pages per tape.

IMP J data identified by IMP J appearing on first title line on each page of output.

Last record on the last merged tape contains data required for update.

has format: -

(1H1,5X,6H LAST,5A6,2I6)

Data in A format represents year, month, day. HR/min, sec from last data record processed. Data in I format represents number of lines output on last page of data, and the number of pages output on the tape.

Unit B3

Any messages or records not included on merge tape 1, because they are out of time sequence, or 2 because they are repeated are written on unit B3 for inspection.

SUBROUTINES:

BCDPFT

Flagged data tapes read by BCDPFT.

WRIT4

Merged flagged data tape used as first input tape read and copied with WRIT4.

File cards used: -

UNIT05 FILE UNIT05,A(1),INPUT,BCD,BLK=4200

UNIT15 FILE UNIT15,B(1),INOUT,BCD,BLK=22

To make the calling sequences for BCDPFT and WRIT4 compatible.

M-3

PKWD61

Used to convert the line number and page number
read by WRIT4 on last record on merged tape into
integer form for use in the merge program.

RB5093 MERGE FLAGGED DATA

DATA CARD #1

COLUMN	1	2		80
	N U T A P E	I H J		

PROGRAM NAME

DESCRIPTION

FORMAT

NUTAPE

1 punched in column 1 if first input tape of data set.

I1

4 punched in column 1 if first input tape a merged flagged tape.

IHJ

H punched in column 2 if IMP H data.

A1

J punched in column 2 if IMP J data.

RB5093 MERGE FLAGGED DATA

DATA CARD #2

COLUMN	1	2	3	4	5	6		11	12	13	14	15	16		21	22		80
	ISYR		ISMTH		ISDAY			IEYR		IEMTH		IEDAY			NTAPES			

PROGRAM NAME

DESCRIPTION

FORMAT

ISYR	}	Year, month, day of first record to be processed	A2
ISMTH		If first input tape is merged tape this data not required	A2
ISDAY			A2
IEYR	}	Year month, day of last record on last input tape	A2
IEMTH		to be processed in form YYYYMMDD with leading zeros	A2
IEDAY		if required ie 730126	A2
NTAPES		Number of input tapes	I2

IMP-H CPME ARCHIVE TAPE FORMAT

Listed on the following pages is a description of the data that is contained on the CPME archive tapes. This will be the same for APL and GSFC, except that the GSFC copy will be on seven-track tape recorded at 800 BPI; APL tapes will be 1600, nine-track tapes. Each logical record will contain data for two albums, starting with an even album. The physical records will contain two logical records. Hence, for APL:

Logical record size = 14,512* 8-bit bytes

Physical record size = 29,028 8-bit bytes;

for GSFC:

Logical record size = 14,508 8-bit bytes

= 3,224 36-bit words

Physical record size = 29,016 8-bit bytes

= 6,448 36-bit words

Identification records separate the data records corresponding to different analog recording tapes and can be identified by all ones in the first 32 bits of the data record.

The APL records are written with "variable-length" format, so 4 bytes have been added to the logical record size and an additional 4 bytes have been added to the physical record size.

EXPLORER 47 (IMP-H, IMP-7) CPME ARCHIVE DATA RECORD FORMAT (1 JUNE 1973)

ITEMS		(NO.)	NAME/DESCRIPTION	Nb. of (BYTES)	←-BYTE INDEX--→	
1	8	(8)	YEAR OF PP 0-7	(2)	1	16
9	16	(8)	DAY OR PP 0-7	(2)	17	32
17	24	(8)	MILLISEC. OF DAY	(4)	33	64
25	32	(8)	TIME FLAGS	(1)	65	72
33	40	(8)	S/C CLOCK, PP 0-7	(4)	73	104
41	48	(8)	S/C CLOCK FLAGS	(1)	105	112
49	56	(8)	PSEUDO SEQ. COUNTER	(4)	113	144
57	65	(9)	E1 CNT RATES+AVG	(4)	145	180
66	344	(279)	E1 C/S CONT.	(4)	181	1,296
345	632	(288)	E1 UNCERT.	(4)	1,297	2,448
633	664	(32)	E1 FLAGS	(1)	2,449	2,480
665	673	(9)	E3 C/S + AVG, SC 1,5,9...	(4)	2,481	2,516
674	682	(9)	E3 C/S + AVG, SC 2,6,10..	(4)	2,517	2,552
683	691	(9)	E3 C/S + AVG, SC 3,7,11..	(4)	2,553	2,588
692	700	(9)	E3 C/S + AVG, SC 4,8,12..	(4)	2,589	2,624
701	808	(108)	E3 C/S CONT.	(4)	2,625	3,056
809	952	(144)	E3 UNCERT.	(4)	3,057	3,632
953	968	(16)	E3 FLAGS	(1)	3,633	3,648
969	977	(9)	E2A C/S+AVG	(4)	3,649	3,684
978	1,112	(135)	E2A C/S CONT.	(4)	3,685	4,224
1,113	1,256	(144)	E2A UNCERT.	(4)	4,225	4,800
1,257	1,272	(16)	E2A FLAGS	(1)	4,801	4,816
1,273	1,281	(9)	P1 C/S+AVG	(4)	4,817	4,852
1,282	1,416	(135)	P1 C/S CONT.	(4)	4,853	5,392
1,417	1,560	(144)	P1 UNCERT.	(4)	5,393	5,968
1,561	1,576	(16)	P1 FLAGS	(1)	5,969	5,984
1,577	1,585	(9)	E4 C/S + AVG	(4)	5,985	6,020
1,586	1,720	(135)	E4 C/S CONT.	(4)	6,021	6,560
1,721	1,864	(144)	E4 UNCERT.	(4)	6,561	7,136
1,865	1,880	(16)	E4 FLAGS	(1)	7,137	7,152
1,881	1,889	(9)	A6 C/S + AVG	(4)	7,153	7,188
1,890	1,952	(63)	A6 C/S CONT.	(4)	7,189	7,440
1,953	2,024	(72)	A6 UNCERT.	(4)	7,441	7,728
2,025	2,032	(8)	A6 FLAGS	(1)	7,729	7,736
2,033	2,041	(9)	A1 C/S + AVG	(4)	7,737	7,772
2,042	2,104	(63)	A1 C/S CONT.	(4)	7,773	8,024
2,105	2,176	(72)	A1 UNCERT.	(4)	8,025	8,312
2,177	2,184	(8)	A1 FLAGS	(1)	8,313	8,320
2,185	2,193	(9)	Z1 C/S + AVG	(4)	8,321	8,356
2,194	2,256	(63)	Z1 C/S CONT.	(4)	8,357	8,608
2,257	2,328	(72)	Z1 UNCERT.	(4)	8,609	8,896
2,329	2,336	(8)	Z1 FLAGS	(1)	8,897	8,904
2,337	2,345	(9)	P8 C/S + AVG	(4)	8,905	8,940
2,346	2,408	(63)	P8 C/S CONT.	(4)	8,941	9,192
2,409	2,480	(72)	P8 UNCERT.	(4)	9,193	9,480

2,489	2,520	(32)	M C/S	(4)	9,489	9,516
2,521	2,552	(37)	S C/S	(4)	9,617	9,744
2,553	2,584	(32)	P9 C/S	(4)	9,745	9,872
2,585	2,616	(32)	P7 C/S	(4)	9,873	10,000
2,617	2,648	(32)	Z1 C/S	(4)	10,001	10,128
649	2,680	(32)	A6 C/S	(4)	10,129	10,256
2,681	2,712	(32)	A5 C/S	(4)	10,257	10,384
2,713	2,744	(32)	M UNCERT.	(4)	10,385	10,512
2,745	2,776	(32)	S UNCERT.	(4)	10,513	10,640
2,777	2,808	(32)	P9 UNCERT.	(4)	10,641	10,768
2,809	2,840	(32)	P7 UNCERT.	(4)	10,769	10,896
2,841	2,872	(32)	Z1 UNCERT.	(4)	10,897	11,024
2,873	2,904	(32)	A6 UNCERT.	(4)	11,025	11,152
2,905	2,936	(32)	A5 UNCERT.	(4)	11,153	11,280
2,937	2,968	(32)	M FLAGS	(1)	11,281	11,312
2,969	3,000	(32)	S FLAGS	(1)	11,313	11,344
3,001	3,032	(32)	P9 FLAGS	(1)	11,345	11,376
3,033	3,064	(32)	P7 FLAGS	(1)	11,377	11,408
3,065	3,096	(32)	Z1 FLAGS	(1)	11,409	11,440
3,097	3,128	(32)	A6 FLAGS	(1)	11,441	11,472
3,129	3,160	(32)	A5 FLAGS	(1)	11,473	11,504
3,161	3,176	(16)	Z3 C/S (ALT. SS)	(4)	11,505	11,568
3,177	3,192	(16)	A4 C/S (ALT. SS)	(4)	11,569	11,632
3,193	3,208	(16)	A3 C/S (ALT. SS)	(4)	11,633	11,696
3,209	3,224	(16)	A2 C/S (ALT. SS)	(4)	11,697	11,760
3,225	3,240	(16)	P11 C/S (ALT. SS)	(4)	11,761	11,824
3,241	3,256	(16)	P10 C/S	(4)	11,825	11,888
3,257	3,272	(16)	E4 C/S (ALT. SS)	(4)	11,889	11,952
3,273	3,288	(16)	E5 C/S (ALT. SS)	(4)	11,953	12,016
3,289	3,304	(16)	E6 C/S (ALT. SS)	(4)	12,017	12,080
3,305	3,320	(16)	E2B C/S (ALT. SS)	(4)	12,081	12,144
3,321	3,336	(16)	E2C C/S (ALT. SS)	(4)	12,145	12,208
3,337	3,352	(16)	P2 C/S (ALT. SS)	(4)	12,209	12,272
3,353	3,368	(16)	P3 C/S (ALT. SS)	(4)	12,273	12,336
3,369	3,384	(16)	P4 C/S (ALT. SS)	(4)	12,337	12,400
3,385	3,400	(16)	P5 C/S (ALT. SS)	(4)	12,401	12,464
3,401	3,416	(16)	P6 C/S (ALT. SS)	(4)	12,465	12,528
3,417	3,432	(16)	P8 C/S SP AVG (ALT. SS)	(4)	12,529	12,592
3,433	3,448	(16)	Z2 C/S (ALT. SS)	(4)	12,593	12,656
3,449	3,464	(16)	Z3 UNCERT.	(4)	12,657	12,720
3,465	3,480	(16)	A4 UNCERT.	(4)	12,721	12,784
3,481	3,496	(16)	A3 UNCERT.	(4)	12,785	12,848
3,497	3,512	(16)	A2 UNCERT.	(4)	12,849	12,912
3,513	3,528	(16)	P11 UNCERT.	(4)	12,913	12,976
3,529	3,544	(16)	P10 UNCERT.	(4)	12,977	13,040
3,545	3,560	(16)	E4 UNCERT.	(4)	13,041	13,104
3,561	3,576	(16)	E5 UNCERT.	(4)	13,105	13,168
3,577	3,592	(16)	E6 UNCERT.	(4)	13,169	13,232
3,593	3,608	(16)	E2B UNCERT.	(4)	13,233	13,296
3,609	3,624	(16)	E2C UNCERT.	(4)	13,297	13,360
3,625	3,640	(16)	P2 UNCERT.	(4)	13,361	13,424
3,641	3,656	(16)	P3 UNCERT.	(4)	13,425	13,488

3,673	3,688	(16)	P5 UNCERT.	(4)	13,553	13,616
3,689	3,704	(16)	P6 UNCERT.	(4)	13,617	13,680
3,705	3,720	(16)	P8 UNCERT., SPIN AVG.	(4)	13,681	13,744
3,721	3,736	(16)	Z2 UNCERT.	(4)	13,745	13,808
3,737	3,752	(16)	Z3 FLAGS	(1)	13,809	13,824
3,753	3,768	(16)	A4 FLAGS	(1)	13,825	13,840
3,769	3,784	(16)	A3 FLAGS	(1)	13,841	13,856
3,785	3,800	(16)	A2 FLAGS	(1)	13,857	13,872
3,801	3,816	(16)	P11 FLAGS	(1)	13,873	13,888
3,817	3,832	(16)	P10 FLAGS	(1)	13,889	13,904
3,833	3,848	(16)	E4 FLAGS	(1)	13,905	13,920
3,849	3,864	(16)	E5 FLAGS	(1)	13,921	13,936
3,865	3,880	(16)	E6 FLAGS	(1)	13,937	13,952
3,881	3,896	(16)	E2B FLAGS	(1)	13,953	13,968
3,897	3,912	(16)	E2C FLAGS	(1)	13,969	13,984
3,913	3,928	(16)	P2 FLAGS	(1)	13,985	14,000
3,929	3,944	(16)	P3 FLAGS	(1)	14,001	14,016
3,945	3,960	(16)	P4 FLAGS	(1)	14,017	14,032
3,961	3,976	(16)	P5 FLAGS	(1)	14,033	14,048
3,977	3,992	(16)	P6 FLAGS	(1)	14,049	14,064
3,993	4,008	(16)	P8 FLAGS, SPIN AVG	(1)	14,065	14,080
4,009	4,024	(16)	Z2 FLAGS	(1)	14,081	14,096
4,025		(1)	CALIBRATE FLAG	(1)	14,097	
4,026		(1)	CAL. FLAG FLAG	(1)	14,098	
4,027		(1)	OPTICAL ASPECT FLAG	(1)	14,099	
4,028		(1)	OPT. ASP. FLAG FLAG	(1)	14,100	
4,029	4,036	(8)	ANALOG OUT:APP1<->APP8	(4)	14,101	14,132
4,037	4,044	(8)	ANALOG FLAGS	(1)	14,133	14,140
4,045	4,056	(12)	OA DATA FROM TM DIRECTLY	(1)	14,141	14,152
4,057	4,140	(84)	OA DATA FROM TM CONT.	(1)	14,153	14,236
4,141	4,148	(8)	OA FLAGS, 1/12 CHANNELS	(1)	14,237	14,244
4,149		(1)	++ALB. 1 EPHEMERIS++ DAY	(4)	14,245	
4,150		(1)	MILLISEC OF DAY, EPHEMERIS	(4)	14,249	
4,151	4,152	(2)	S/C, GEO. LONG., LAT. (DEG)	(4)	14,253	14,260
4,153		(1)	RADIAL DIST, EARTH CENTER (KM)	(4)	14,261	
4,154	4,156	(3)	S/C,GEO. S. EC.-X,Y,Z (KM)	(4)	14,265	14,276
4,157	4,159	(3)	S/C,GEO. S. MAG.-X,Y,Z (KM)	(4)	14,277	14,288
4,160	4,162	(3)	MOON,GEO. S. ECL.-X,Y,Z (KM)	(4)	14,289	14,300
4,163	4,165	(3)	S/C,GEO. EQU. IN.-X,Y,Z (KM)	(4)	14,301	14,312
4,166	4,168	(3)	SUN,GEO. EQU. IN.-X,Y,Z (AU)	(4)	14,313	14,324
4,169	4,170	(2)	S/C R.A., DEC. (DEG)	(4)	14,325	14,332
4,171	4,172	(2)	S/C VEL., R.A., DEC (DEG)	(4)	14,333	14,340
4,173		(1)	MAG. OF VEL. (KM/SEC)	(4)	14,341	
4,174		(1)	S/C-EARTH-SUN < (DEG)	(4)	14,345	
4,175		(1)	TYPE OF DATA***	(4)	14,349	
4,176		(1)	SPIN PERIOD (SEC)	(4)	14,353	
4,177	4,178	(2)	SPIN, R.A., DEC. (DEG)	(4)	14,357	14,364
4,179		(1)	SUN TIME	(4)	14,365	
4,180	4,181	(2)	SPIN, S. ECL.,THE, PHI (DEG)	(4)	14,369	14,376
4,182		(1)	++ALB. 2 EPHEMERIS++ DAY	(4)	14,377	
4,183		(1)	MILLISEC OF DAY, EPHEMERIS	(4)	14,391	
4,184	4,185	(2)	S/C, GFC. LONG., LAT. (DEG)	(4)	14,395	14,392

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4,187	4,189	(3)	S/C,GEO. S. EC.-X,Y,Z (KM)	(4)	14,397	14,408
4,190	4,192	(3)	S/C,GEO. S. MAG.-X,Y,Z (KM)	(4)	14,409	14,420
4,193	4,195	(3)	MOON,GEO. S. ECL.-X,Y,Z (KM)	(4)	14,421	14,432
4,196	4,198	(3)	S/C,GEO. EQU. IN.-X,Y,Z (KM)	(4)	14,433	14,444
199	4,201	(3)	SUN,GEO. EQU. IN.-X,Y,Z (AU)	(4)	14,445	14,456
4,202	4,203	(2)	S/C R.A., DEC. (DEG)	(4)	14,457	14,464
4,204	4,205	(2)	S/C <u>VEL.</u> , R.A., DEC (DEG)	(4)	14,465	14,472
4,206		(1)	MAG. OF VEL. (KM/SEC)	(4)	14,473	
4,207		(1)	S/C-EARTH-SUN < (DEG)	(4)	14,477	
4,208		(1)	TYPE OF DATA***	(4)	14,481	
4,209		(1)	SPIH PERIOD (SEC)	(4)	14,485	
4,210	4,211	(2)	SPIH, R.A., DEC. (DEG)	(4)	14,489	14,496
4,212		(1)	SUN TIME	(4)	14,497	
4,213	4,214	(2)	SPIH, S. ECL.,THE, PHI (DEG)	(4)	14,501	14,508

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DR03340

RECORD 1 OF FILE 1
YEAR LENGTH = 29016 BYTES

07B407B4	07B407B4	07B407B4	07B407B4	01100110	01100110	01100110	01100110	0452D415	045323FC
045373E3	0453C3CA	045413B1	04546398	0454B37F	04550366	01010101	01010101	00370E00	00370E10
00370E20	00370E30	00370E40	00370E50	00370E60	00370E70	00000000	00000000	0002F97A	0002F98A
0002F99A	0002F9AA	0002F9BA	0002F9CA	0002F9DA	0002F9EA	00000000	00000000	00000000	4218766F
43317FA6	00000000	41209DEA	00000000	42664F52	00000000	00000000	00000000	42104EF5	432F75C7
00000000	00000000	00000000	4260F56C	00000000	00000000	00000000	00000000	421A804E	432D6BE9
00000000	00000000	425E27DA	00000000	00000000	00000000	00000000	41E45169	43338985	00000000
00000000	4268DBAC	00000000	00000000	00000000	421A804E	432E70D8	00000000	00000000	00000000
426031B8	00000000	00000000	00000000	41E45169	432F75C7	41A31594	00000000	00000000	00000000
00000000	00000000	00000000	41C3B37F	432F75C7	00000000	00000000	00000000	426072F4	00000000
00000000	00000000	421258D3	43307AB7	00000000	00000000	00000000	00000000	42634088	00000000
00000000	42104EF5	432A5D1B	00000000	00000000	00000000	4256C414	00000000	00000000	00000000
421462B2	432E70D8	00000000	00000000	00000000	425F6E06	00000000	00000000	41209DEA	00000000
432F75C7	00000000	00000000	00000000	426136A8	00000000	00000000	00000000	42104EF5	432E70D8
00000000	00000000	00000000	425EEB8E	00000000	00000000	00000000	00000000	418277AA	43328495
00000000	00000000	42660E18	00000000	00000000	00000000	421A804E	00000000	432D6BE9	00000000
00000000	425E27DA	00000000	00000000	00000000	421258D3	43338985	00000000	00000000	00000000
42695E24	00000000	00000000	00000000	418277AA	432C66F9	00000000	00000000	00000000	4259D2E0
00000000	00000000	00000000	00000000	41E45169	432C66F9	41413BD5	00000000	425B190A	00000000
00000000	00000000	421258D3	432E70D8	00000000	00000000	00000000	00000000	425F2CCA	00000000
00000000	4218766F	432E70D8	00000000	00000000	00000000	425FF07C	00000000	41209DEA	00000000
421258D3	432D6BE9	00000000	00000000	00000000	425D6428	41209DEA	00000000	00000000	42166C91
432D6BE9	00000000	00000000	00000000	425DE69E	00000000	00000000	00000000	421462B2	432C66F9
00000000	00000000	00000000	425B5A48	00000000	00000000	00000000	00000000	42166C91	432D6BE9
00000000	00000000	425DA564	00000000	00000000	00000000	4218766F	432D6BE9	00000000	00000000
00000000	425DE69E	00000000	00000000	00000000	421462B2	43307AB7	00000000	00000000	00000000
426381C4	00000000	00000000	00000000	4218766F	43307AB7	00000000	00000000	00000000	4264043A
00000000	00000000	00000000	41E45169	43317FA6	00000000	00000000	00000000	00000000	00000000
00000000	41209DEA	41C3B37F	432E70D8	00000000	00000000	00000000	425EAA52	00000000	00000000
00000000	4218766F	432E70D8	00000000	00000000	00000000	425FF07C	00000000	00000000	00000000
42166C91	432A5D1B	00000000	00000000	00000000	425787C8	00000000	00000000	00000000	42166C91
432E70D8	00000000	00000000	00000000	425FAF42	00000000	00000000	00000000	42104EF5	432D6BE9
00000000	00000000	00000000	425CE1B0	00000000	00000000	00000000	00000000	4170FCF5	4228CF2C
41209DEA	00000000	4152EE8A	00000000	00000000	00000000	415C4121	4227FC80	00000000	00000000
00000000	4150CCCO	00000000	00000000	00000000	41759A0E	42272565	00000000	00000000	00000000
414FA906	00000000	00000000	00000000	41564BCC	42299DB0	00000000	00000000	00000000	4153ED94
00000000	00000000	00000000	41759A0E	42279184	00000000	00000000	00000000	41507D98	00000000
00000000	00000000	41564BCC	4227FC80	00000000	4148EEFA	00000000	00000000	00000000	00000000
00000000	414FE508	4227FC80	00000000	00000000	00000000	41509804	00000000	415135D0	00000000
4161D9BF	4228665F	00000000	00000000	00000000	00000000	4151B866	00000000	00000000	415C4121
4225D9C9	00000000	00000000	00000000	414C9322	00000000	00000000	00000000	00000000	416724BF
00000000	00000000	00000000	41502E22	00000000	41209DEA	00000000	00000000	415C4121	4227FC80
00000000	00000000	4150E710	00000000	00000000	00000000	415C4121	42279184	00000000	00000000
00000000	414FF8FE	00000000	00000000	00000000	41413BD5	422936EE	00000000	00000000	00000000
4152D4DC	00000000	00000000	00000000	41759A0E	42272565	00000000	00000000	00000000	414FA906
00000000	00000000	00000000	4161D9BF	42299DB0	00000000	00000000	00000000	414DDDC8	00000000
00000000	00000000	41413BD5	4226B817	00000000	00000000	00000000	00000000	41542038	00000000
00000000	41564BCC	4226B817	412E208F	00000000	00000000	414E65F2	00000000	00000000	00000000
4161D9BF	42279184	00000000	00000000	00000000	41501394	00000000	00000000	00000000	4170FCF5
42279184	00000000	00000000	00000000	41506324	00000000	41209DEA	00000000	4161D9BF	42272565
00000000	00000000	00000000	414F58BC	41209DEA	00000000	00000000	416C2D89	42272565	00000000
00000000	00000000	414F8E4C	00000000	00000000	00000000	416724BF	4226B817	00000000	00000000

SUMMARY FOR TAPE DCQM68

THE NUMBER OF FEET OF TAPE READ = 2003

THE NUMBER OF FILES READ = 1

THERE WERE 1084 RECORDS IN FILE NUMBER 1

THERE WERE 0 ERRORS IN READING THE TAPE