

#472

Earth Sc.

NIMBUS 4

BUV DARK CURRENT STUDY

MASTER DATA + WORKING DATA

70-025A-05H + 05I

ESAC-00045

ESAC-00054

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

NIMBUS 4

BUV Dark Current Study MSTR Data

70-025A-05H ESAC-00045

This data set has been restored. There were originally 3 Binary 9-Track, 6250 BPI tapes. There are three restored tapes. The DR tape are on 3480 cartridges and the DS tapes are 9-Track, 6250 BPI. The tapes were created on a 360 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
DR03463	DS03463	D41898	222	04/10/70 - 11/18/70
DR03464	DS03464	D41899	236	11/19/70 - 07/25/71
DR03465	DS03465	D41900	132	07/30/71 - 12/16/71

NIMBUS 4

BUV DARK CURRENT STUDY

MASTER DATA + WORKING DATA

70-025A-05H + 05I

This data set catalog consists of 3 Master Data and 3 working Data tapes. The tapes are 6250 BPI, Binary, 9 track and are multifiled. The tapes were created on an IBM 360/91 computer.

Time spans are as follows:

70-025A-05H

<u>D#</u>	<u>C#</u>	<u>FILES</u>	<u>TIME SPAN</u>
D-41898	C-21128	222	4/10/70 - 11/18/70
D-41899	C-21129	236	11/19/70 - 7/25/71
D-41900	C-21130	132	7/30/71 - 12/16/71

70-025A-05I

D-41901	C-21131	222	4/10/70 - 11/18/70
D-41902	C-21132	236	11/19/70 - 7/25/71
D-41903	C-21133	132	7/30/71 - 12/16/71

B R I E F D E S C R I P T I O N
BUV Dark Current Study MSTR Data
70-025A-05H

These dark current data are on binary magnetic tapes that were created on an IBM 360/91 computer. Generated from the U-tapes (radiance data set, NSSDC ID 70-025A-05B), they contain geophysical indices and classification; geographic and geomagnetic coordinates; solar magnetic parameters and angles; monochromator and photometer pulse count and analog data; and energetic trapped particles. There is a one-to-one correspondence between the files on this master data set and the ones on the working tapes (70-025A-05I). The only difference between the two types is that the working tapes contain data from the master tapes that have been subjected to filtering. For further information, see "Data Filtering," NASA X-601-78-21.

M A T E R I A L S F O R D I S T R I B U T I O N
70-025A-05H

BUV Dark Current Study MSTR Data

The following were found in the Data Set Catalog:

- 1) Tape Info and Format Description (8 pp.)
- 2) Nimbus-4 BUV Dark Current Study: Data Filtering, NASA X-601-78-21, Stassinopoulos et. al, June 1978.
(CYN, 9/97)

BUV DARK CURRENT STUDY 1978-79
E. G. Stassinopoulos

DISTRIBUTION PACKAGE

1. List of Distribution Materials
2. Copies of Master and Working Tapes (#1-3 each type) (6 tapes)
3. Tape Information Sheet (1 page)
4. Description of Master Tape Format (7 pages)
5. Sample Listings of Tape Contents: Output Types A and B (2 pages)
6. Document: "NIMBUS-4 BUV Dark Current Study: Data Filtering",
NASA X-601-78-21, Stassinopoulos et al., June 1978.

BUV DARK CURRENT STUDY 1978-79
E. G. Stassinopoulos

DATA TAPES: MASTER and WORKING*

<u>Tape Number</u>	<u># of Files</u>	<u>Time Span</u>	<u>Data Gaps</u>
1	222	Days 100 - 322, 1970	Day 294, 1970
2	236	Days 323 - 365, 1970 Days 1 - 206, 1971	Days 101-112, 148, 207-210, 1971
3	132	Days 211 - 350, 1971	Days 257, 260-266, 351-365, 1971

Tape Information

9 TRACK
LABEL = NL
RECFM = FB
LRECL = 560
BLKSIZE = 14000
DEN = 4 (6250 BPI)
EBCDIC BINARY

Notes:

1. One FILE contains the data for one DAY.
One RECORD contains the data for one SCAN,
plus associated positional information,
indices, etc. (see "Master Tape Format").
For example, File #1 on Master Tape #1
(and hence on Working Tape #1) contains
all the records pertaining to Day 100,
1970.

2. Flux Data - the following models were used
to obtain flux data for the tapes:

<u>PROTONS</u>	<u>ELECTRONS</u>
AP8-MAX	Inner Zone - AE6-MAX
	Outer Zone - AEI7-LO

3. Field Model - the IGRF 1975 model was used
with epoch = 1971.0.

*There is a one-to-one correspondence between the files on the Master tapes
and the files on the Working tapes. The only difference between the two
types is that the Working tapes contain data from the Master tapes that has
been subjected to filtering (see "Data Filtering" document; NASA X-601-78-21).

DESCRIPTION OF MASTER-TAPE FORMAT

1 of 7

	WORD NO.	WORD TYPE	VARIABLE NAME	EXPLANATIONS/COMMENTS	SOURCE/LOCATION
GROUP 1: SELECTION PARAMETERS	1	I*4	MODE	MODE = 0 - DATA (ACQUISITION) 1 - MCSA (CALIBRATION)	U-TAPE
	2	I*4	INOUT	INOUT = 1 - INSIDE ENERGETIC PROTON AND ELECTRON TRAPPING REGION ($1 < L < 4$) 2 - INSIDE ELECTRON TRAPPING REGION ONLY ($4 \leq L < 12$) 3 - EXTERNAL ($L \geq 12$)	TRAP
	3	I*4	NTD	NTD = 1 - NIGHT 2 - TWILIGHT 3 - DAY	INDEX
	4	I*4	ID	SINGLE INDEX FOR (INOUT, NTD): ID = 1 - (1,1) 4 - (2,1) 7 - (3,1) 2 - (1,2) 5 - (2,2) 8 - (3,2) 3 - (1,3) 6 - (2,3) 9 - (3,3)	INDEX
	5-28	24(I*4)	NG(I,J)	NG(I,J) = 0 - LOW GAIN I = 1 - 12 CHANNELS 1 - HIGH GAIN J = 1 - MONOCHROMATOR 2 - PHOTOMETER	MAIN
GROUP 2: MAPPING & ORDERING INDICES	29	I*4	MEGC	MATRIX ELEMENT, GEOCENTRIC COORDINATES	ELEMNT
	30	I*4	MEBL	MATRIX ELEMENT, BL SPACE	ELEMNT
	31	I*4	LTVE	LOCAL TIME VECTOR ELEMENT	ELEMNT
	32	I*4	MLTVE	MAGNETIC LOCAL TIME VECTOR ELEMENT	ELEMNT

DESCRIPTION OF MASTER-TAPE FORMAT

2 of 7

	WORD NO.	WORD TYPE	VARIABLE NAME	EXPLANATIONS/COMMENTS	SOURCE/LOCATION
GROUP 3: GEOPHYSICAL INDICES AND CLASSIFICATION	33	I*4	NDST	D _{st} MAGNETIC ACTIVITY INDEX, HOURLY	LOADMG,FMAG
	34	I*4	NAE	AE AURORAL ELECTROJET, HOURLY	LOADMG,FMAG
	35	I*4	NAP	DAILY A _p INDEX	LOADMG,FMAG
	36	R*4	TEN7	DAILY OTTAWA 2800 MHz (10.7 cm) SOLAR FLUX INDEX	LOADMG,FMAG
	37	I*4	KDST	RANGE INDEX FOR D _{st} ¹ ; KDST = 1 - MAXIMUM 2 - MINIMUM 3 - INTERMEDIATE	INDEX
	38	I*4	KAE	RANGE INDEX FOR AE ¹ ; KAE = 1 - MAXIMUM 2 - MINIMUM 3 - INTERMEDIATE	INDEX
	39	I*4	KAP	RANGE INDEX FOR A _p ¹ ; KAP = 1 - MAXIMUM 2 - MINIMUM 3 - INTERMEDIATE	INDEX
	40	I*4	KTEN7	RANGE INDEX FOR 10.7 CM SOLAR FLUX ¹ ; KTEN7 = 1 - MAXIMUM 2 - MINIMUM 3 - INTERMEDIATE	INDEX

DESCRIPTION OF MASTER-TAPE FORMAT

3 of 7

	WORD NO.	WORD TYPE	VARIABLE NAME	EXPLANATIONS/COMMENTS	SOURCE/LOCATION
GROUP 4: DATES AND TIMES OF MEASUREMENTS	41	I*4	JYR	CALENDAR YEAR DATA WERE GATHERED	U-TAPE; WORD 15, HEADR1
	42	I*4	JDAYS	JULIAN DAY AT START OF SCAN	U-TAPE
	43	R*4	HRS	UNIVERSAL TIME AT START OF SCAN IN HOURS	MAIN
	44	R*4	SECS	UNIVERSAL TIME AT START OF SCAN IN SECONDS	U-TAPE
	45	I*4	JDAYE	SAME AS WORD 42, BUT AT END OF SCAN	MAIN
	46	R*4	HRE	SAME AS WORD 43, BUT AT END OF SCAN	MAIN
	47	R*4	SECE	SAME AS WORD 44, BUT AT END OF SCAN	MAIN
	48	R*4	XLTS	LOCAL TIME AT START OF SCAN	MAIN
	49	R*4	GMLTS	GEOMAGNETIC LOCAL TIME AT START OF SCAN	SMPARM

DESCRIPTION OF MASTER-TAPE FORMAT

4 of 7

	WORD NO.	WORD TYPE	VARIABLE NAME	EXPLANATIONS/COMMENTS	SOURCE/LOCATION
GROUP 5: POSITIONAL COORDINATES IN GEOGRAPHIC AND MAGNETIC SPACE	50	R*4	GDLATS	GEODETTIC LATITUDE AT START OF SCAN IN DEGREES (+90° ≤ GDLATS ≤ -90°)	UTAPE
	51	R*4	GDLONS	LONGITUDE AT START OF SCAN IN DEGREES (+180° ≤ GDLONS ≤ -180°)	UTAPE
	52	R*4	ALTS	ALTITUDE AT START OF SCAN IN KILOMETERS	UTAPE
	53	R*4	GCLATS	GEOCENTRIC LATITUDE AT START OF SCAN IN DEGREES (+90° ≤ GCLATS ≤ -90°)	CONVRT
	54	R*4	RKMS	RADIAL DISTANCE TO SATELLITE POSITION AT START OF SCAN IN KILOMETERS	CONVRT
	55	R*4	GMLATS	GEOMAGNETIC LATITUDE AT START OF SCAN IN DEGREES	SMPARM
	56	R*4	GMLONS	GEOMAGNETIC LONGITUDE AT START OF SCAN IN DEGREES	SMPARM
	57	R*4	B	MAGNETIC FIELD INTENSITY AT START OF SCAN IN GAUSS	INVARA
	58	R*4	XL	MAGNETIC SHELL PARAMETER AT START OF SCAN IN EARTH RADII	INVARA

DESCRIPTION OF MASTER-TAPE FORMAT

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	WORD NO.	WORD TYPE	VARIABLE NAME	EXPLANATIONS/COMMENTS	SOURCE/LOCATION
GROUP 6: SOLAR MAGNETIC PARAMETERS AND ANGLES	59	R*4	SDEC	SUN DECLINATION IN DEGREES	SMPARM
	60	R*4	GSHA	GREENWICH SOLAR HOUR ANGLE IN HOURS	SMPARM
	61	R*4	TILT	TILT OF DIPOLE AXIS IN DEGREES	SMPARM
	62	R*4	SMHA	SOLAR MAGNETIC HOUR ANGLE IN HOURS	SMPARM
	63	R*4	SMLON	SOLAR MAGNETIC LONGITUDE IN DEGREES	SMPARM
	64	R*4	SOLSEC	SOLAR SECTOR	SMPARM
	65	R*4	SZEN	SOLAR ZENITH ANGLE AT START OF SCAN IN DEGREES	U-TAPE
	66	R*4	SAZ	SOLAR AZIMUTH ANGLE AT START OF SCAN IN DEGREES	U-TAPE
	67	R*4	VASP	SPARE FOR FUTURE USE, SET TO 0.0	U-TAPE

DESCRIPTION OF MASTER-TAPE FORMAT

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	WORD NO.	WORD TYPE	VARIABLE NAME	EXPLANATIONS/COMMENTS	SOURCE/LOCATION
GROUP 7: PULSE COUNT DATA	68-79	12(R*4)	DATA(I,1)	MONOCHROMATOR PULSE COUNTS; I = 1-12 CHANNELS ²	MAIN
	80-91	12(R*4)	DATA(I,2)	PHOTOMETER PULSE COUNTS; I = 1-12 CHANNELS ²	MAIN
GROUP 8: ANALOG DATA	92-103	12(R*4)	U(I,1)	MONOCHROMATOR ANALOG DATA ³ ; I = 1-12 CHANNELS ²	MAIN
	104-115	12(R*4)	U(I,2)	PHOTOMETER ANALOG DATA ³ ; I = 1-12 CHANNELS ²	MAIN
GROUP 9: ENERGETIC TRAPPED PARTICLES	116-121	6(R*4)	ENR(I)	I = 1-6 ENERGETIC PARTICLE COUNTS	U-TAPE
	122-126	5(R*4)	ETN(I)	I = 1-5 INTEGRAL ELECTRON FLUXES ⁴ FOR FOLLOWING ENERGIES: E > 1, 2, 3, 4, 5 MeV	TRAP
	127-131	5(R*4)	PTN(I)	I = 1-5 INTEGRAL PROTON FLUXES ⁴ FOR FOLLOWING ENERGIES: E > 10, 20, 30, 50, 100 MeV	TRAP
GROUP 10: U-TAPE FILES & RECORDS SPARES	132-138	7(R*4)	SPARE(I)	SEVEN SPARE WORDS, SET TO 0.0	
	139	1*4	NFOLD	FILE NUMBER FROM U-TAPE	U-TAPE
	140	1*4	NROLD	RECORD NUMBER FROM U-TAPE	U-TAPE

MAP OF MASTER TAPEFOOTNOTES1 MAGNETIC INDEX RANGES

<u>INDEX</u>	<u>MAX</u>	<u>MIN</u>
D _{ST}	> 25	< -200
A _E	> 800	< 50
A _p	> 35	< 7
10.7	> 150	< 20

3 CONVERSION ALGORITHM

(Analog Values "U" to Particle Counts "PC")

$$PC = 10 \text{ U}/100$$

4 INSTANTANEOUS, INTEGRAL,
OMNIDIRECTIONAL, CHARGED
PARTICLE FLUXES IN UNITS OF:

$$\# / \text{cm}^2 \text{ sec}$$

2 NOMINAL WAVELENGTHS

<u>CHANNEL</u>	<u>WAVELENGTH (Å)</u>
1	2555
2	2735
3	2830
4	2876
5	2922
6	2975
7	3019
8	3058
9	3125
10	3175
11	3312
12	3398

Sample Listing of Tapes - Type A

NF	NR	UF	UR	M	MONO PULSE COUNTS / PHOTO PULSE COUNTS / MONO ANALOG DATA / PHOTO ANALOG DATA (GAIN PRECEDES PULSE COUNT)																							
					1	2	3	4	5	6	7	8	9	10	11	12												
213	35	216	96	0	1	63686	1	46869	1	47504	1	46869	1	50693	1	53906	1	53261	1	39318	1	41193	1	44337	1	31569	1	37450
	313	3693			1	46433	1	39011	1	40241	1	36560	1	38397	1	38397	1	31693	1	22987	1	28674	1	26272	1	25075	1	23801
						-99		463		473		-99		473		502		-99		510		-99		-99		-77		514
						-77		482		501		492		-99		502		-77		501		-77		-77		-77		-77
213	36	216	97	0	1	109408	1	125702	1	95068	1	96482	1	105060	1	89453	1	83906	1	81158	1	73683	1	79107	1	76347	1	50693
	313	3715			1	90581	1	77875	1	73268	1	79861	1	66108	1	61601	1	60320	1	70001	1	60960	1	55862	1	43947	1	48931
						513		501		-99		506		-99		506		-99		533		476		499		4.0		467
						495		-99		-77		-99		-99		504		490		-99		483		510		-9		513
213	37	216	98	0	0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	1	152023	1	152023	1	148852	1	150435	1	13949	1	131768
	313	3747			0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	1	109861	1	111264	1	102897	1	97389	1	101515	1	93294
						-77		-77		-77		-77		-77		-77		519		-99		529		531		438		-99
						-77		-77		-77		-77		-77		-77		508		482		530		-99		532		-99
213	38	216	99	0	0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	1	503920	1	480884	1	458629	1	437115	1	411210	1	381485
	313	3811			0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	1	333886	1	317885	1	321849	1	294591	1	264783	1	243313
						-77		-77		-77		-77		-77		-77		580		571		577		573		562		559
						-77		-77		-77		-77		-77		-77		567		558		559		549		545		557
213	39	216	100	0	0	55	0	7	0	4432	0	1120281	0	1048018	0	841516	1	503920	1	480884	1	458629	1	437115	1	411210	1	381485
	313	3843			0	572547	0	693	0	390	0	693767	0	668051	0	507800	1	333886	1	317885	1	321849	1	294591	1	264783	1	243313
						-77		-77		-77		-77		-77		-77		580		571		577		573		562		559
						-77		-77		-77		-77		-77		-77		567		558		559		549		545		557
213	40	216	101	0	1	1137471	1	11343215	1	11253897	1	11343215	1	11312605	1	11225731	1	11198315	1	11145617	1	11171620	1	11071504	1	11002742	1	980912
	313	3875			1	850695	1	790375	1	775905	1	805083	1	761686	1	693767	1	706925	1	680810	1	680810	1	643103	1	630308	1	583882
						607		617		620		624		605		609		617		615		609		600		606		599
						598		606		607		588		596		589		592		578		592		586		585		574
213	41	216	102	0	1	-1	11838704	11886329	11792718	11838704	11792718	11705337	11623583	11623583	11546931	11474917	11510371											
	313	3907			1	11078254	11002493	11002493	11002493	1	984407	1	949200	1	984407	1	932061	1	915220	1	898670	1	898670	1	835237			
						629		628		629		628		631		627		620		617		620		629		614		618
						617		598		611		617		614		615		608		603		609		595		604		605
213	42	216	103	0	1	12706537	12706537	12405946	12405946	12405946	12405946	12152410	12274015	12274015	12274015	12152410	12039964											
	313	3939			1	11319588	11319588	11248382	11248382	11161417	11203291	11203291	11159973	11138947	11098098	11098098	11039670											
						631		637		640		640		630		625		627		622		626		618		625		625
						619		621		618		612		619		615		615		617		609		616		617		601
213	43	216	104	0	1	13278938	13278938	13278938	13278938	13068621	0	4	0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	0	-1
	313	3971			1	11504675	11448846	11448846	11448846	1	-1	0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	0
						651		639		643		640		647		-77		-77		-77		-77		-77		-77		-77
						626		630		633		622		611		-77		-77		-77		-77		-77		-77		-77
213	44	216	105	0	0	132	0	125	0	149	0	132	0	124	0	-1	1	32816	13775806	13775806	13775806	13775806	13775806	13775806	13775806	13775806	13775806	
	313	4003			1	11826916	11756001	11688557	11688557	11688557	11688557	11624334	11624334	11563109	11563109	11563109	11563109											
						649		649		651		652		644		-77		-77		645		647		644		644		647
						632		629		630		628		634		623		636		627		629		628		629		624
213	45	216	106	0	0	134	0	157	0	152	0	135	0	130	0	136	0	131	0	136	0	141	0	141	0	141	0	-1
	313	4035			1	12063391	11980290	12063391	11980290	11980290	11901578	11826916	11980290	11901578	11826916	11901578	11826916											
						657		658		656		654		657		656		653		653		653		656		652		651
						639		636		640		629		642		641		638		631		640		631		632		639
213	46	216	107	0	0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	0	158	0	145	0	143	0	131	0	124	0	138
	313	4067			0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	0	12244318	12244318	12244318	12151260	12151260	12151260	12151260	12151260	12151260	12151260	
						-77		-77		-77		-77		-77		-77		660		658		658		660		660		657
						-77		-77		-77		-77		-77		-77		643		638		641		648		639		645
213	47	216	108	0	0	0	02152410	0																				

Sample Listing Tapes - Type B

NF	NR	UF	UR	DAY	SECS	LT	GMLT	CODES	--DST	--AP	---AE	---SF	LAT	LON	GMLAT	GMLON	B	L	E	E	E	E	E	P	P	P	P
31	190	39	7	130	19233	0.046	0.028	1 1 1	-4 3	2 2	88 3	162.8 1	15.20	-79.45	26.37	-9.99	25235	1.525	0	0	0	0	0	0	0	0	0
31	191	39	8	130	19265	0.024	0.009	1 1 1	-4 3	2 2	88 3	162.8 1	13.43	-79.91	24.59	-10.42	24555	1.478	0	0	0	0	0	0	0	0	0
31	192	39	9	130	19297	0.003	23.990	1 1 1	-4 3	2 2	88 3	162.8 1	11.66	-80.36	22.81	-10.83	23884	1.435	1	1	0	0	0	0	0	0	0
31	193	39	10	130	19329	23.981	23.971	1 1 1	-4 3	2 2	88 3	162.8 1	9.88	-80.82	21.03	-11.24	23225	1.397	2	1	0	0	0	0	0	0	0
31	194	39	11	130	19361	23.960	23.953	1 1 1	-4 3	2 2	88 3	162.8 1	8.11	-81.26	19.25	-11.63	22585	1.363	2	1	0	0	0	1	1	1	1
31	195	39	12	130	19393	23.940	23.936	1 1 1	-4 3	2 2	88 3	162.8 1	6.34	-81.71	17.47	-12.02	21968	1.332	2	1	0	0	0	1	1	1	1
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31	197	39	14	130	19457	23.898	23.902	1 1 1	-4 3	2 2	88 3	162.8 1	2.79	-82.60	13.91	-12.78	20822	1.283	2	1	0	0	0	2	2	2	2
31	198	39	15	130	19489	23.878	23.886	1 1 1	-4 3	2 2	88 3	162.8 1	1.01	-83.04	12.13	-13.16	20304	1.263	2	1	0	0	0	2	2	2	2
31	199	39	16	130	19521	23.857	23.870	1 1 1	-4 3	2 2	88 3	162.8 1	-0.76	-83.48	10.34	-13.52	19827	1.246	2	1	0	0	0	2	2	2	2
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43248857	4326C8BF	43263A9E	43352F88	4335044B	4334D4EA	4334ABF8	433470C0	4334397A	43340A1A	
4333BF17	43338FB6	433348A6	43330588	4332BA85	421AAAE2	42291CF6	42483A7F	425BAD41	42F011B8	
431EAD83	4520C839	4443BE0B	43EA4252	4339049A	42384E63	41100000	41100000	41100000	41100000	
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00000017	00000000	FFFFFFFF	000000B2	00000012	42C11999	00000003	00000003	00000003	00000003	00000001
00000046	00000142	421567C0	4512D030	00000142	42156A06	4512D230	42161817	421482D6	C24420BF	
41A55200	43462E7D	C24403B9	441D3AA9	C23FBB4B	42388B83	4045C33C	41519B30	C21349BC	C13C1A60	
C1FE9896	42471F0C	427FAA91	00000000	425AC79C	42716A88	00000000	44AAAB07	43BFD0A5	43C44AEA	
431B7AD2	427FCC22	427892B3	427EAF9B	426FAE81	427B5A04	4280B445	C1100000	46A4F159	C1100000	
411AAAAAD	4111C71D	411AAAAAD	41238E3E	41238E3E	411AAAAAD	C1100000	408E38EC	4111C71D	408E38EC	
C1100000	43312EFE	431EADFA	43210210	4321413B	432331CA	4323947D	43231A19	4324229E	4325C128	
C24D0000	C24D0000	433D7A7F	43376C2E	433734E8	4337097B	4336D628	4336A6C7	43367374	43364022	
43361C99	4336F51E	4335CDA4	4335A629	43357EAE	C24D0000	C24D0000	C24D0000	C24D0000	C24D0000	
43ECA035	451960DB	443322A9	439A721A	4329BF07	4227FD25	41100000	41100000	41100000	41100000	
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42 RECORDS IN FILE 222 OF TAPE

IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYS80281.T084924.RV000.YZRWPJV1.LODMOD PASSED DDNAME=PGM=*.DD 0 EXCPS
IEF285I VOL SER NOS= K3SCR2.
IEF285I SYS80281.T084924.RV000.YZRWPJV1.S0000082 SYSIN DDNAME=FT05F001 2 EXCPS
IEF285I VOL SER NOS= K3SCR3.
IEF285I SYS80281.T084924.RV000.YZRWPJV1.S0000082 DELETED DDNAME=FT05F001 2 EXCPS
IEF285I VOL SER NOS= K3SCR3.
IEF285I SYS80281.T084924.SV000.YZRWPJV1.R0000077 SYSOUT DDNAME=FT06F001 21 EXCPS
IEF285I VOL SER NOS= K3SCR3.
IEF285I SYS80281.T084924.SV000.YZRWPJV1.R0000078 DELETED DDNAME=FT07F001 0 EXCPS
IEF285I VOL SER NOS= K3SCR4.
IEF285I SYS80281.T084924.SV000.YZRWPJV1.R0000079 DELETED DDNAME=SYSPRINT 0 EXCPS
IEF285I VOL SER NOS= K3SCR2.
IEF285I SYS80281.T084924.SV000.YZRWPJV1.R0000080 DELETED DDNAME=SYSUDUMP 0 EXCPS
IEF285I VOL SER NOS= K3SCR2.
IEF285I SYS80281.T084924.RV000.YZRWPJV1.R0000081 KEPT DDNAME=FT08F001 58 EXCPS
IEF285I VOL SER NOS= JJ0006.
IEF280E K 490,JJ0006,YZRWPJV1,GO
IEF373I STEP /GO / START 80281.1144
IEF374I STEP /GO / STOP 80281.1154 CPU 0MIN 03.90SEC MAIN 186K LCS OK
- STEP 03 - RETURN CODE = 0000 STEP TIME = .17 MINS=(CPU=.06,IO=.11)
IO IN SECS. DISK= 3.45,DRUM=.00,TAPE= 3.42,CELL=.00,OTHR=.13
- SURCHARGES=(DRIVES ALOC=000,TAPE MOUNTS=000,CORE=000,PAPER=002,PRIORITY=00000)SECS. TOTAL STP TIME= .20 MINS. -
IEF285I SYS80281.T084924.RV000.YZRWPJV1.LODMOD DELETED
IEF285I VOL SER NOS= K3SCR2.
IEF375I JOB /YZRWPJV1/ START 80281.1131
IEF376I JOB /YZRWPJV1/ STOP 80281.1154 CPU 1MIN 46.53SEC
- SYSTEM=REL21.8F (04-01-79) K3 TIME=11.54.39.78 DATE=10-07-80
- JOB 0170- TOTAL TIME = 6.18 MINS=(CPU= 1.77,IO= 4.41)
IO IN SECS. DISK= 49.25,DRUM=.00,TAPE= 215.53,CELL=.00,OTHR=.33
- SURCHARGES=(DRIVES ALOC=000,TAPE MOUNTS=000,CORE=000,PAPER=002,PRIORITY=00000)SECS. TOTAL JOB TIME= 6.21 MINS. -
THERE WERE 03 TAPES MOUNTED FOR THIS JOB. TAPE MOUNT CHARGE WAS 00.0 MINUTES.

RECORD 1 OF FILE 1
LENGTH = 14000 BYTES

D-41901
N-4
4/10/70 - 11/18/70

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421712A0	43452571	42248B3B	441D34D3	422341BE	426581FC	4045030F	4119DB64	41810576	412D4C72
417804AA	425D991A	C2A4E4F1	00000000	4286CA36	4316098D	00000000	C1100000	43382BF0	4348528E
43496FCC	4386CAD8	43B6DCAF	43B26301	4357ED0B	43C6881F	43BFD0A5	4377292E	43666C59	4386C14F
43BD7628	44126B75	43ADD0C0	43ADD0C0	43A2A4FA	441009AD	43AB94E7	43BB39D4	44105160	43D196E7
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43320C4D	43329ACD	435D8038	43590A74	434A8D0D	43DCCEEC	437AB27E	43501F80	435D8038	43A2A4FA
43C42B5F	43C667DA	43A4E0D8	43DF03E7	43C42B5F	441104AC	43ADD0C0	43B6C14F	43A4E0D8	43C8A462
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439302FE	43A06924	43A958B7	43ADD0C0	43CD1D8F	43A2A4FA	43B4851C	43ADD0C0	43F9E252	43A4E0D8
441009AD	C1100000	C1200000	C1100000	C1100000	C1100000	C1100000	C1100000	C1100000	C1100000
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4176577D	425E1EBC	C2A882AF	00000000	428DEF43	43162506	00000000	434CC798	439314B5	435D8038
43513CD3	4360D8AD	433CA045	4338BA78	434DE4E1	438D7E94	43370EE3	435D8038	4333294D	C1100000
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43CF5A35	C1100000	C1100000	C1100000	C1100000	C1100000	C1100000	C1100000	C1100000	C1100000
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4175EC30	425E402A	C2A957B5	00000000	428FB853	43162BF1	00000000	43289651	43289651	4339D78B
4334464F	437CBE12	432E26E8	43320C4D	4339D78B	43ABACD8	43382BF0	434114CB	432A41A8	4373C503
438127BC	4386BBF7	43ADD0C0	438D6E2F	43800A1E	43B248F3	438480A4	43B8FD8D	43D61068	43E127BC
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42132450	4345F6CA	C23BCF8E	441D3996	C239CA28	42469E77	40401213	4141690E	C21349A0	C13C4A06
C1FC98A5	42467AF7	428D1976	00000000	4263A8EA	426A0543	00000000	4425A71C	4421AD9D	441E476E
441D25C5	441ED856	441DB693	441ED856	441FFA4C	44275BEE	441A9AC3	441C4CA8	4419C1FC	45109D38
45125E5F	4514CCB0	4516C6E8	45197588	451C8B19	4520C41D	45251F23	452A6127	4530A26F	4538018C
C1A00000	C1100000	C1100000	C1100000	C1200000	C1100000	C1100000	C1100000	C1100000	C1100000
C1100000	C1100000	C1100000	44FF0E03	45121038	4513667E	45150EE1	4517DCAA	451A2201	451E7726
45228590	4528B48B	452EA6F4	45361415	453F6767	4225C78D	4228007E	42241CD8	421E0046	42238E9C
42253950	4537D120	449695F7	4435CADB	43941ED7	428F60CF	41100000	41100000	41100000	41100000
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00000017	00000000	FFFFFFFF	000000B2	00000012	42C11999	00000003	00000003	00000003	00000001
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42102CB0	43460E86	C23F2504	441D3A07	C23C5274	4241944A	40424517	4147A371	C21349AA	C13C36F6
C1FD6532	4246BC99	428850EB	00000000	42601B2C	426C6E2F	00000000	44B49ACE	44EE8112	447A32FF
4464CE47	443F6F4D	443ED2B8	443A3F02	443512DD	442AC6EE	44275BEE	441D6E2B	441B2B58	C1A00000
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4742028E	474ACC93	4753537C	475D5A27	47689676	4214001F	4217E3BA	421AAAE2	42288EBB	422EAB56
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451D2659	44F05E9E	C1100000	477CBA9F	478AF2AB	479909C6	47A9844A	47B57AC8	47CA2A3B	47D86E8B
47EA59D5	47FF32B3	4810EAF4	48121C97	481347A0	421AAAE2	42291CF6	42483A7F	425BAD41	42F011B8
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452EA877	4513C8F2	C1300000	48159994	4816DCCC	48183302	48199D1F	481B1C68	481C88A0	481EB883
48211371	482368DA	48261FCE	48289519	482BF16B	C24D0000	C24D0000	C24D0000	C24D0000	C24D0000
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37 RECORDS IN FILE 222 OF TARE

IEF142I - STEP WAS EXECUTED - COND CODE 0000
 IEF285I SYS80281.T084924.RV000.YZRWPJB2.LODMOD
 IEF285I VOL SER NOS= K3SCR2.
 IEF285I SYS80281.T084924.RV000.YZRWPJB2.S0000068
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PASSED

DDNAME=PGM=*.DD

0 EXCPS

SYSIN

DDNAME=FT05F001

2 EXCPS

DELETED

DDNAME=FT05F001

2 EXCPS

B R I E F D E S C R I P T I O N
BUV Dark Current Study Work Data
70-025A-05I

These dark current data are on 9-track, 6250-bpi, binary magnetic tapes that were created on an IBM 360/91 computer. Generated from the U-tapes (radiance data set, NSSDC ID 70-025A-05B), they contain geophysical indices and classification; geographic and geomagnetic coordinates; solar magnetic parameters and angles; monochromator and photometer pulse count and analog data; and energetic trapped particles. There is a one-to-one correspondence between the files on this working data set and the ones on the master tapes (70-025A-05H). The only difference between the 2 types is that the working tapes contain data from the master tapes that have been subjected to filtering. For further information, see "Data Filtering," NASA X-601-78-21.

See 70-025A -05I

NIMBUS 4

BUV Dark Current Study Work Data

70-025A-05I ESAC-00054

This data set has been restored. There were originally 3 9-track, 6250 BPI tapes written in Binary. There are three restored tapes. The DR tapes are 3480 cartridges and the DS tapes are 9-track, 6250 BPI. The tapes were created on a 360 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
DR03466	DS03466	D41901	222	04/10/70 - 11/18/70
DR03468	DS03468	D41902	236	11/19/70 - 07/25/71
DR03467	DS03467	D41903	132	07/30/71 - 12/16/71