#379

Earth Sc

NIMBUS 5

IR RADIANCE OBSERVATIONS ON TAPE

72-097A-01A ESAD-00042

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

B R I E F D E S C R I P T I O N
Radiance Observations on Tape
72-097A-01A

This data set contains calibrated, earth-located radiances that were supplied by the experimenter's office on a binary magnetic tape. The IR radiances were observed in seven spectral bands (3.7-20 micrometers), mainly in the nadir mode and occasionally in the scanning mode, with a spatial resolution of 21.4 n.m.

M A T E R I A L S F O R D I S T R I B U T I O N
72-097A-01A
Radiance Observations on Tape

Section 5 of "The Nimbus 5 User's Guide," with corrections (B14758-000A).
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Not sure what the corrections were. Also found in the Data Set Catalog was a one-page format description.
(CYN, 9/97)

D A T A S E T R E M A R K S
72-097A-01A
Radiance Observations on Tape

Derived temperature profiles from this data set are available from the National Climatic Data Center, Ashville, NC.

NIMBUS 5

IR RADIANCE OBSERVATIONS ON TAPE

72-097A-01A ESAD-00042

This data set has been restored. There was originally 1 Binary 9-Track, 1600 BPI tape. There is one restored tape. The DR and DS tapes are 9-track, 6250 BPI. The tape was created on an IBM 360 computer. The DR and DS numbers along with the corresponding D number and the time spans are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR00160	DR00160	D29205	1	02/14/75 - 09/30/76

REQ. AGENT	RAND NO.	ACQ. AGENT
VJP	RC4060	BCD

NIMBUS 5

IR RADIANCE OBSERVATIONS ON TAPE

72-097A-01A

This data set catalog consists of 1 Nimbus 5 data tape. The tape is 9 track, Binary, 1600 BPI and contains 1 file. The tape was created on a IBM 360 computer.

Time span is as follows:

D#	C#	TIME SPAN
D-29205	C-18831	02/14/75 - 09/30/76

FORMAT OF STACKED ITPR SCAN DATA

Data for one complete scan grid is contained in one record of 1410 16-bit (IBM INTEGER *2) words. Contents are as follows:

WORD	PARAMETER
1	YYMM (year * 100 + month)
2	DDHH (day * 100 + hour)
3	MMSS (min * 100 + sec)

Note - the date/time is nominally representative of the mid-point of the grid (actually, the beginning of the 6th scan line).

4	day of the year
5	orbit number (playback)
6	latitude (deg * 100), +N, -S
7	longitude (deg * 100), +E, -W
8	local zenith (deg * 100), + to right of subsatellite track
9 - 15	radiances, ch. 1-7* - ch. 1 is in mw/m^2-sr-cm^{-1} * 1000 - ch. 2-7 are mw/etc. *100

Words 6-15 are for FOV 1, line 1; this pattern is repeated for FOV's 2-14 on line 1, then 1-14 on line 2, etc. The information for the last location in the grid - FOV 14, line 10 - occupies words 1396 - 1405.

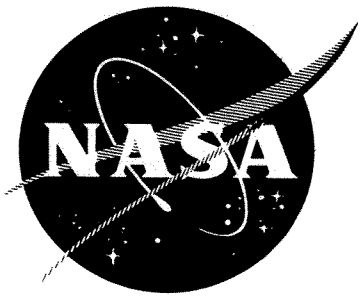
1406 - 1410	Zero fill

*The channel central wave numbers (cm^{-1}) are as follows: 1-2683.0, 2-899.0, 3-747.0, 4-713.8, 5-689.5, 6-668.3, 7-507.4

Channel 1 is in the 3.7μm window region; 2, the 11μm window; 3-6, the 15μm CO_2 band; 7, the 18μm H_2O rotation band.

B14758-000

THE NIMBUS 5 USER'S GUIDE



look in 72-097A-05C for full Document

GODDARD SPACE FLIGHT CENTER

GREENBELT, MARYLAND

```
$JOB    8:38:17
$NOP DUMP X-396
$ASS IN MS4
$EXEC DPHEX BS
 INPUT TAPE ON MS4
 DATA INPUT    1 5 5
```

09/14/75 ~
09/30/76

D-29205

9502 1402

FILE 1 RECORD 1 LENGTH 2828 BYTES

(0)	0B0C0000	0B080000	1D4E057A	0933002D	29AE0000	FF8935D0	05890125	11531500	12A10FAF	15B01DA0
(40)	FF8F35F3	0659012E	10E4134A	11910FC3	16DC1BD5	FF953615	072B012A	116513C7	120E0FD7	163C1C11
(80)	FF9B3637	07FE00E6	10E4141A	12220FD7	1628 1CED	FFA13659	08D300B7	0E821250	11670FC3	16281AE6
(120)	FFA7367C	09A900A0	0CEB10D9	10C00FC3	161419A6	FFAE36A1	0A81007F	09500D6E	0EA00F74	161415AD
(160)	FFB736CD	0B5A0078	0884 0C89	0D900F74	15D81445	FFBF36E9	0C350071	0623099B	0B700F25	16A0109B
(200)	FFC8372e	0D120074	161009AF	0B700EFD	15D810AF	FFD03752	0DF20076	099A0DEB	0EF30F9C	163C1638
(240)	FFD9377E	0ED30078	0A180E15	0F020FAF	165 0169C	FFE137AA	0FB80090	06230986	0B850F25	15D8105F
(280)	FFEA37D7	109F0099	074A0B12	0C950F74	16781216	FF6535D9	058901CD	197B19F7	14FF1012	16282 0FB
(320)	FF6B35FB	065900C0	1062141A	128C0FD7	165 1CED	FF72361E	072B0090	0B7A0FA0	0F860FAF	16781803
(360)	FF783640	07FE0081	0A400E7D	0F1D0FAF	16A01714	FF7E3662	08D30099	0C6A1086	10960FD7	15EC1943
(400)	FF843685	09A90082	0B9F1009	102D0FC3	162818A3	FF8B36AA	0A81006F	0AC10F62	0FB00F9C	163C178C
(440)	FF9336D6	0B5A0076	0A9C0F38	0F800FC3	16641764	FF9C3702	0C350074	0B1E0FA0	10030FC3	166417EF
(480)	FFA5372F	0D120071	09D10E15	0EF30F88	15C4164C	FFAD375B	0DF2007A	0B1E0F77	0FEE0F9C	16281817
(520)	FFB63787	0ED30088	0B420FB5	0FEE0FC3	167817C7	FFBE37B3	0FB80084	07250AD3	0C6B0F4D	167811B3
(560)	FFC737E0	109F0094	084D0BF7	0D270F74	166413A6	FF4235E2	05890127	152618BE	15291026	1628205B
(600)	FF483804	065900CF	124316B5	142E1012	16281ECC	FF4E3627	072B0096	0F851406	12B61012	16501CC5
(640)	FF543649	07FE0090	0DC91226	11520FD7	16141AD2	FF5B365B	08D30097	0D5A112C	10C00FAF	162819E2
(680)	FF61368E	09A90090	0E89130B	120E0FD7	16501BC1	FF683683	0A810088	0D5A11D3	1152 0FD7	16141A1E
(720)	FF7036DF	0B5A0078	0B1E0F8C	0FEE0F9C	16501 7A0	FF79370B	0C35007B	0BFB1071	10810FD7	162818F3
(760)	FF813736	0D13007F	0B420FA0	0FC50FC3	16501817	FF8A3764	0DF20082	0AE60F4D	0FC50FD7	1628178C
(800)	FF923790	0ED30082	0BB10FF4	102D0FAF	1628183F	FF9B37BC	0FB8008D	08970C9D	0DE40F9C	16781431
(840)	FFA437E9	109F0086	09BE0D6E	0E610F9C	163C1585	FF1F35EB	058A00C1	11091553	13481026	16781D64
(880)	FF253600	0659000AB	102B14C1	13090FFF	16141D51	FF2B3630	072B00A7	10BF1591	13B11012	15EC1E2C
(920)	FF313652	07FE00A7	123016DF	146D1012	16641F6B	FF373674	08D300CE	14111817	15141026	163C1FF7
(960)	FF3D3697	09A900C5	13D917C4	14D50FEB	16641FE3	FF4436BC	0A810094	1230168B	142E1012	15EC1F1C
(1000)	FF4D36E3	0B5A009E	10D11514	13330FD7	16281D64	FF553714	0C35009B	0F161320	11F90F9C	16A01BD5
(1040)	FF5E3741	0D13008D	0AF90F23	0F9B0F9C	16141764	FF67376D	0DF2008F	0B7A0FCA	10030FAF	16281828
(1080)	FF6F3799	0ED30074	0B1E0F77	0FC50FAF	16A01778	FF7837C5	0FB80082	09500D59	0E760FC3	167814E5
(1120)	FF8037F2	109F007D	0A400E53	0F470FAF	15EC164C	FF8B35F4	058A0102	14A517C4	14971012	16781FBB
(1160)	FF913616	06590CC1	11AF15D0	13B10FFF	16501E2C	FF983638	072B00A2	10061483	13091012	16141D3D
(1200)	FFA13658	07FE00A5	109A14EB	131E0FFF	16281D8C	FFA4367D	08D3009D	10191459	12DF0FD7	16281D3D
(1240)	FF1A36A0	09A90097	0F85141A	12B60FFF	15D81CC5	FF2136C5	0A81009D	102B1497	13330FFF	16641D29
(1280)	FF2A36F1	0B5A0094	0FF41483	12DF0FFF	16781CB1	FF32371D	0C350097	0C0E1032	10030FAF	16C8188F
(1320)	FF3B374A	0D130089	0A520E3E	0ECA0F88	1678169C	FF433776	0DF20082	09E30DD6	0EA00F88	16A01638
(1360)	FF4C37A2	0ED30088	0CB4109A	106C0FAF	16B4192F	FF5537CE	0FB80084	0BE90FF4	10180FC3	16641803
(1400)	FF5D37FB	109F0099	0C8F1047	10030FC3	16B4183F	FED835FD	058A0197	18C21A74	15530FFF	16642136
(1440)	FEDE361F	0659010B	148717EE	14581D12	16641F7F	FEE43641	072B00D8	11AF153E	13090FD7	163C1D8C
(1480)	FEEA3664	07FE00BE	1050142F	12DF0FD7	16141CED	FEF13686	08D300B0	0FBC13DC	12620FEB	16501C75
(1520)	FEF736A8	09A9009D	0D9211A9	11130FC3	15D81A96	FEFE36CE	0A8100B0	0FBC139D	12380FD7	163C1C25
(1560)	FF0636FA	0B5A00BC	10F614EB	131E0FEB	16141D64	FF0F3726	0C3600A5	0ECC12E2	11A60FC3	16DC1B5E
(1600)	FF183753	0D13008B	09AC0D59	0E0D0F60	15D81599	FF20377F	0DF20086	083A0BF7	0D120F60	167813CE
(1640)	FF2937AB	0ED4C090	08BC0C4A	0D660F4D	15EC1459	FF3237D7	0FB80097	0DC91194	10FE0FD7	16B419BA
(1680)	FF3A3804	10A00090	0AE60ED0	0F470FC3	163C1680	FEB43606	058A0185	18781AC7	15D01012	1678223A
(1720)	FF8B3628	065900F9	13D916F4	14041012	16C81F1C	FEC1364A	072B00C7	11401514	131E0FEB	16001D8C
(1760)	FEC7366D	07FE009B	0E0111D3	11670FC3	16141A82	FECD368F	08D30089	0CB41103	10D40FC3	1628197F
(1800)	FED336B1	09A90073	0B1E0F4D	0FC50F9C	163C17C7	FEDA36D7	0A810086	0B0B0F62	0F9B0FAF	160017B3
(1840)	FEE336D3	0B5A0088	0CA210AF	10AB0F9C	165019A6	FEEC372F	0C360097	0E13123B	113D0F9C	16501AAA
(1880)	FEF4375C	0D13008B	0A2D0E0C	0E8B0F74	16C81610	FEFD3788	0DF20082	076F0B12	0CAA0F25	1614127A
(1920)	FF0637B4	0ED4C078	0648 09AF	0BAF0F11	16001 0E0	FF0E37E0	0FB8007D	09D10D97	0E8B0F9C	177C15E8
(1960)	FF173800	10A00074	0B300F62	0FB00FD7	1718178C	FE91360F	058A00CC	109A146E	12B60FFF	16141DB4
(2000)	FE973631	06590109	14231 7C4	14970FFF	1678205P	FE9D3653	072B00A4	106214EB	13330FEB	15D81D51
(2040)	FEA43676	07FF007F	0E5D12F7	12380FEB	15C41BE9	FEAA3698	08D30086	0C7D10C4	10C00FAF	165019A6
(2080)	FEB 36B8	09A90088	0C7D10C4	10AB0FC3	168C197F	FEB736E0	0A810089	0BB11009	10180FC3	1650188F
(2120)	FEC03700	0B5B007D	0A9C0EA6	0F470F9C	16641728	FEC83738	0C36007D	0B550F77	0FDA0FAF	16141828
(2160)	FED13765	0D130082	09AC0DAC	0E8B0F60	163C15D4	FEDA3791	0DF20082	08030BE2	0D510F4D	16A0137E
(2200)	FEE33780	0ED40081	062309D9	0BAF0F11	16501073	FEEB37EA	0FB80071	057C08F4	0B070EFD	168C0F84

(2320)	FE80367F	07FE009E	0E5D12B8	11E40FC3	16781B85	FE8636A1	08D3008D	0DC91250	11CF0FEB	15D81B22
(2360)	FE8D36C4	09A90084	0CC71117	10D40FD7	163C197F	FE9436E9	0A810088	0BD61032	10420F88	162818DF
(2400)	FE9C3715	0B5B007F	0AE60F0F	0F9B0F9C	15C417A0	FEA53741	0C360076	09870DAC	0EA00F88	163C1624
(2440)	FEAE376E	0D13007F	0BB11047	10570F9C	163C18CB	FEB7379A	0DF2007B	09F60E29	0F080FC3	16141688
(2480)	FEBF37C6	0ED4007D	07B90BB8	0CFD0F60	1600131A	FEC837F3	0FB8006F	07000AD3	0C950F4D	161411EF
(2520)	FED1381F	10A00076	07380AE8	0C950F60	1678123E	FE4A3621	058A00AE	0D481141	10AB0FC3	163C1A0A
(2560)	FE503643	0659008C	0FCF139D	12620FC3	16141C75	FE573665	072B00AB	0EB9130B	12380FC3	162818FD
(2600)	FE5D3688	07FE0099	0FCF1406	12B60FD7	163C1CED	FE6336AA	08D30090	0E7012F7	11F90FC3	16501BE9
(2640)	FE6936CD	09A90086	0D3511D3	11670FEB	16001ABE	FE7036F2	0A810081	0C581CC4	10D40F9C	165019A6
(2680)	FE79371E	0B5B007D	0BFB105C	106C0F9C	16141907	FE82374B	0C36007A	092B0D59	0E760F74	16DC1585
(2720)	FE8B3777	0D13007F	0AE60F62	0FDA0F88	15B0182B	FE9437A3	0DF20094	0B8C0F77	0EB00FAF	167818B7
(2760)	FE9C37D0	0ED40092	0C0E105C	10420FAF	162818DF	FEA537FC	0FB80082	08150C20	0D7B0F88	163C13BA
(2800)	FEAE3828	10A00074	066C0A03	0BEE0F60	16781DEB	00000000	00000000			
FILE 1	RECORD 2	LENGTH	2828 BYTES							
(0)	0B0C0000	0B080000	1D4E057A	09D3002D	29AE0000	00E133D1	FA7600C1	0F25139D	128C1012	15D81D15
(40)	00E733F0	FB430151	148F1841	14C00FFF	163C2136	C0EC3410	FC0D021A	191B1B6E	1624103A	161423DD
(80)	00F2343D	FCD101DF	18F61965	14581012	168C214A	00F7344F	FD8B00F9	0FA61265	11130FAF	16141B72
(120)	00FD346F	FE2E00A5	0A4F0DD6	0E8B0F88	15241714	0102348D	FE9B009B	07ED0B50	0C6B0F25	15C413A6
(160)	010734AD	01640084	07220A95	0CC20EFD	161412A2	C10D34CC	01D10088	061F0932	0ADE0E9A	165010AF
(200)	011234EB	0274007B	05B008A0	0A600E87	15C40FE8	0118350B	032E0081	05D508DF	0A8A0EC2	163C1023
(240)	011D352A	03F2008F	05FA08F4	0AC90E9A	15880FFC	0122354A	04BC0084	05E808B5	0A8A0EAE	16280F70
(280)	01283569	05890088	05E808A0	0A4B0EAE	15EC0F34	00BE33DA	FA76008B	0BE51047	10810FFF	15D8192F
(320)	00C333F9	FB4300CA	1174157D	139C1012	163C1EF4	C0C93419	FC0D0100	146A1817	14EA1026	16A0214A
(360)	00CE3438	FCD1021C	1B7D1E08	17D83103A	15EC2580	00D43458	FD8B0291	1F751ED9	17B11003A	16282530
(400)	00D93477	FE2E0185	16B918FD	14971012	159C2047	00DF3496	FE9B00B9	0CD61DAF	10960F9C	158819CE
(440)	00E434B6	016400B3	0E5A128E	11A60FD7	16501BE9	00E934D5	01D100F2	105F1389	11CF0FC3	15B01CED
(480)	00EF34F4	027400BA	0B9B0EBB	0EB50F74	161417EF	00F43514	032E0097	08370B50	0C6B0EFD	157413BA
(520)	00FA3533	03F2007F	06EA0A18	0BAF0ED6	161411C7	00FF3552	04BC0082	06B309C4	0B460EEA	16141127
(560)	01043572	0589007F	05FA08DF	0A750E9A	15C40F84	009A33E3	FA7601FC	1AE91B05	15D0103A	1664233D
(600)	00A03402	FB430185	155A1802	14C01C26	15EC214A	00A53422	FC0D0264	1F501FD3	18591026	163C2634
(640)	00AB3441	FCD101F0	1A1E1C7C	1749104E	162824CD	00B03461	FD8B01A0	18501B59	16A2103A	16142379
(680)	00B63480	FE2E01C4	1A0B1BAC	168D103A	16B42329	00BB349F	FE9B0153	145716B5	13C50FFF	16141F1C
(720)	00C134BE	016400B7	0DFD1156	10FE0FEB	16141A46	00C634DE	01D1009B	0E5A12CD	124D1026	16501BD5
(760)	00CB34FD	02740106	140D171D	146D1026	168C1FBB	00D1351C	032E0221	1BD91B2F	157D0FFF	15EC2262
(800)	00D6353C	03F2019A	143214C1	11CF0FAF	16001D29	00DC355B	04BC00D1	0C790F38	0ECA0F60	16281817
(840)	00E1357B	0589007F	07470A80	0BEE0ED6	15EC1202	007733EC	FA7602B1	22C72173	19001089	16DC2723
(880)	00C7C340B	FB4302A3	209D20CD	18C11061	16B426E7	00B2342B	FC0DD2C4	1FBF1F41	18441075	16782648
(920)	0087344A	FCD1027A	1C921E5C	182F1061	15D825A8	008D346A	FD8B025B	198A1C3E	171F1061	17402491
(960)	00923489	FE2E021F	19AF1B82	1678103A	16142379	009834A8	FE9B01BA	174D1A35	15D01012	16002262
(1000)	009D34C7	0164019A	174D1856	14821026	16C81FE3	00A334E7	01D10119	127714C1	12CA1026	15C41D15
(1040)	00A83506	027400C1	0EB6127A	11CF0FEB	16501B36	00AD3525	032E009E	0DFD1226	11A60FEB	16281AE6
(1080)	00B33545	03F200A0	0EC91335	124D0FFF	16641BFD	00B83564	04BC0127	157F1880	14FF1026	1628206F
(1120)	00BD3583	058900C7	0E911226	10E90FC3	16781A82	005333F4	FA7602BB	22212120	18D6104E	16642723
(1160)	00C93414	FB4302B8	2426226E	19541075	168C2787	005E3433	FC0D0217	1BD91E5C	182F1061	162825F8
(1200)	00643453	FCD102A1	1BEC1D4D	17C61061	16502558	00693472	FD8B0301	22462079	18C11061	16502670
(1240)	00F3492	FF2E02D5	20C2203B	18831075	1600260C	00743481	FE9B02C4	1EAA1DF4	17731061	163C247D
(1280)	007A34D0	016402B2	1FAC1DCA	16F51026	162823A1	007F34EF	01D10231	1B8F1AC7	157D104E	1664215E
(1320)	0084350F	02740158	14D916A0	13871012	16281E2C	008A352E	032E0130	148F1708	14041012	16B41EA4
(1360)	008F354D	03F200D1	10A9142F	12CA103A	16141CB1	00953560	04BC0092	0EA412F7	12381012	15D81BAD
(1400)	009A358C	05890089	0BD31101D	10030FAF	1628183F	003033FD	FA7602A6	22B4210B	18D61075	16A026E7
(1440)	00C55341D	FB4302D2	244B21B2	19151061	16B426C0	003B343C	FC0D01F5	19D41CE5	17B11075	16A02558
(1480)	0040345C	FCD102EA	22EC2120	19151061	167826C0	0046347B	FD8B02EC	2426221A	19691075	167826E7
(1520)	004B349B	FE2E02FF	2619233E	19931075	16A02737	005134BA	FE9B0330	2392215F	18EB1061	168C2620
(1560)	00563409	01640328	228F203B	1898103A	1628256C	005C34F8	01D102A6	1F3E1DCA	171F103A	168C2302
(1600)	0613518	02740183	18AC197A	14FF0FFF	15B02033	00663537	C32E013A	14FE171D	14191026	16641ECC
(1640)	006C3556	03F200B7	105F141A	12B60FFF	16781CB1	00713576	04BC00C8	0CE81071	10180FC3	162818DF
(1680)	00773595	05890090	0D321141	11280FD7	16001A0A	000C3406	FA7601FE	1B201C91	16B61026	168C2469
(1720)	00123426	FB4302CB	22EC2079	186E1061	16642620	00173445	FC0D02E0	235B214A	18D61061	163C26AC
(1760)	001D3465	FCD102AA	1EAA1F56	186E1061	165025F8	00223484	FD8B02AD	1D951FD2	18831061	16A02620
(1800)	00283404	FE2E0334	266322EB	193F1061	161426E7	002D34C2	FE9B02E5	1F621ED9	182F1075	16C82558
(1840)	00333E2	01640285	1A7A1C29	171F103A	163C2405	00383501	01D1036F	236D20A3	18831061	16DC25A8
(1880)	003E3520	02740308	219F1F7F	179D104E	16502441	00433540	032E0197	15B61785	142E1012	16641F30
(1920)	00483551	03F200D6	10F314C1	131E1026	15B01D29	004E357E	04BC00A9	0EB612CD	11E40FEB	16A01BAD
(1960)	00533590	058900B0	0AD00E3E	0F080F88	16141728	FFE8340F	FA760231	199C19F7	15141012	16142226

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