#319

OGO-6

NEUTRAL ATMOSPHERIC COMPOSITION

69-051A-04B

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

OGO 6

NEUTRAL ATMOSPHERIC COMPOSITION, TAPE

69-051A-04B ESAD-00072

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED SIX 9-TRACK, 1600 BPI TAPES WRITTEN IN BINARY. THERE ARE TWO RESTORED TAPES. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON AN IBM 360 COMPUTER AND WERE RESTORED ON THE MRS SYSTEM. THE FIRST 684 BYTES OF EACH FILE CONTAIN EXTRANEOUS INFORMATION NOT DISCUSSED IN THE DOCUMENTATION AND SHOULD BE IGNORED. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	DATA TYPE	TIME SPAN
DR004158	DS004158	D019373	1	NITROGEN	06/06/69 - 06/25/70
		D019374	2	NITROGEN	06/25/70 - 06/26/71
		D019375	3	OXYGEN	06/07/69 - 05/13/70
		D019376	4	OXYGEN	05/14/70 - 06/26/71
		D019377	5	HELIUM	06/06/69 - 05/05/70
DR004159	DS004159	D019378	1	HELIUM	05/09/70 - 06/26/71

ACQ. AGENT	RAND NO.	ACQ. AGENT
MLR	RC3835	RNH

OGO-6

NEUTRAL ATMOSPHERIC COMPOSITION

69-051A-04B

This data set consists of 6 tapes. The tapes are 1600 BPI, Binary, 9 track single-filed, created on an IBM 360 computer.

Each logical record consists of 22 32-bit words. Each physical record consists of 13804 characters (3451 words).

D#	C#	TIME SPAN	
D-19373	C-16906	6/06/69 - 6/25/70	(N^2)
D-19374	C-16907	6/25/70 - 6/26/71	(N^2)
D-19375	C-16908	6/07/69 - 5/13/70	(O^2)
D-19376	C-16909	5/14/70 - 6/26/71	(O^2)
D-19377	C-16910	5/09/70 - 6/26/71	(HE)
D-19378	C-16911	6/06/69 - 5/05/70	(HE)

JCL USED TO CREATE THESE TAPES:

```
//GO.FT29F001  DD  DCB=(, DEN=3,RECFM=VBS,LRECL=92, BLKSIZE=13804,
//   LABEL=(1,BLP),UNIT=(2400-9 ,, DEFER),DISP=OLD,
//   VOL=SER=XXX
```

9 track unformatted, 1600 BPI, Den=3

22 words of data as follows:

1 = Year - day

2 = Time (U.T. in sec)

3 = Mass

4 = Ambient dens

5 = Ambient dens error

6 = Altitude

7 = Latitude

8 = Longitude

9 = Local time

10 = Magnitic latitude

11 = Velocity angle

12 = Sun angle

13 = Invariant lat

14 = Mag index (AP)

15 = F10.7 flux (daily)

16 = Mean F10.7 (3 mo. avg.)

17 = Temp calc (J65)

18 = Dens calc

19 = Mag. local time

20 = Modified lat

21 = Orbit no.

22 = Time - perigee

FILE 1 RECORD 1 LENGTH 13804BYTES 6/6/69 - 6/25/70

(0)	35EC0000	00440000	00000001C	0000001C	00000027	00000030	00000026	00000030	00000032	00000001	
(40)	0000000E	0000000C	00000001	43364000	43A28000	05E65860	00000000	00005000	00440000	9C025806	65,536
(80)	00045000	9C065806	00085000	9C0A94FE	9C071B00	40009CD4	50009BF2	40009CAA	D203B010	9C36D201	
(120)	00000002	00000002	00000000	45151800	00000001	00440000	00000018	00000002	00000026	00000004	3,584
(160)	0000003F	00000010	00000037	0000001C	0000002C	00000029	00000010	00000030	00000033	00000032	
(200)	00000036	0000000E	00440000	00000025	0000000C	00000013	00000000	00000000	9CA658E0	C0041B55	32
(240)	58409C22	58D09C1E	1B771B00	488E0000	54809BD6	47809A10	59809BD6	47809A0C	41100000	00440000	
(280)	40430000	00000001	00000008	00000007	00000006	91108022	478099DA	00000000	00000000	00000000	5
(320)	00000000	4315E000	41A00000	43168000	41A00000	41800000	00440000	41A00000	41DD0008	46F09996	
(360)	47F0910A	D503C000	6915 BD247B0	99DA47F0	9A1041EE	000241EE	00024177	000147F0	4912A05F	457A1200	691571
(400)	41A00000	42B40000	00000000	00440000	442A3000	431F4000	00000000	00000000	00000000	00000000	
(440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000A7E	00000000	Year Day
(480)	00440000	00010E25	00010E38	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(520)	00000000	43F361F2	F761F7F2	F2F27A40	F97AF4F1	4BF8F4F0	42640000	00440000	00000003	00F4D007	
(560)	00F4D006	00F4D015	00F4D009	00F4D010	00F4D006	0004D007	00F4D008	00F4D009	00F4D010	00F4D011	
(600)	00F4D012	00F4D013	0004D014	00F4D015	00440000	00F4D016	00F4D017	00F4D018	00F4D019	00F4D020	
(640)	0004D021	00F4D022	00F4D023	00F4D024	00F4D025	D2C1F2F7	F0F84040	D2C1F2F7	F0F94040	D2C1F2F7	
(680)	F1F54040	005C0000	00010E25	472ACB70	0000001C	46E39742	461E6E5F	4318F57A	42147599	C25521C9	
(720)	416D11EE	421F7FAB	4128A1E3	4260DE5E	4222F144	41400000	42ACB333	4297B333	433E2348	411C2B64	
(760)	4165A975	42F98A67	41D00000	42211C00	005C0000	00010E25	47301EF0	0000001C	48213DA1	478271CE	
(800)	431AB9AF	422E8BD7	C2720678	41671284	423608F9	41130BF4	425A3227	42371E95	41400000	42ACB333	
(840)	4297B333	433FF437	427805C5	41571FF6	42DF7429	C1E00000	C3169F10	005C0000	00010E25	47302230	
(880)	0000001C	4820DDEC	478CC861	431A9ACB	422DAF0A	C271D638	41675522	423539CA	411EE7C1	425A992D	
(920)	42365DC4	41400000	42ACB333	4297B333	433FE07C	427165A9	4157C850	42E050F6	C1E00000	C315CA10	
(960)	005C0000	00010E25	4730247F	0000001C	482DE4EE	4780D781	431A8553	422D1257	C271B4CE	41678384	
(1000)	4234A67B	4123EA5F	425A322B	4235D2EA	41400000	42ACB333	4297B333	433FD2A9	426DF546	41583C69	
(1040)	42E0EDA9	C1E00000	C3153310	005C0000	00010E25	473028FE	0000001C	4820E997	4780D19D	431A5B66	
(1080)	422BE061	C271738F	4167DE15	42336DC	41255AB5	425A322B	4234801A	41400000	42ACB333	4297B333	
(1120)	433FB839	42676200	41591906	42E21F9F	C1E00000	C3140C20	005C0000	00010E25	47302B3E	0000001C	
(1160)	481FE8D3	477CCCBC	431A4670	422B4766	C27152EF	41680B5D	4232F70C	41221B4C	425A322B	423413CF	
(1200)	41400000	42ACB333	4297B333	433FAB49	4261241D	4159860A	42E2B89A	C1E00000	C31378BD	005C0000	
(1240)	00010E25	47302D7E	0000001C	481FA50E	477BC120	431A3179	422AAE6B	C271324F	416838A6	4232673C	
(1280)	411B3C78	425A322F	42336F68	41400000	42ACB333	4297B333	433F9E89	425D5968	4159F0AE	42E35195	
(1320)	C1E00000	C312F540	005C0000	00010E25	47302FBE	0000001C	481F70A0	477AF57E	431A1F55	422A14D3	
(1360)	C2711584	41686109	4231D596	41231FCA	425A322F	4232E3F0	41400000	42ACB333	4297B333	433F91A5	
(1400)	425A531D	415A557C	42E3EB2D	C1E00000	C31251C0	005C0000	00010E25	473031FE	0000001C	481F303B	
(1440)	4779E372	431A0DFB	42297B0E	C270F9CB	416889EA	4231436C	412AF386	425A3232	42325C0F	41400000	
(1480)	42ACB333	4297B333	433F84D9	42576188	415AB79A	42F484F2	C1E00000	C311BE50	005C0000	00010E25	
(1520)	4730567E	0000001C	481EF0EA	4778DDFC	4319EB47	42284785	C270C25A	4168DA04	42301F18	413560C7	
(1560)	425EA043	42313A54	41400000	42ACB333	4297B333	433F6BCD	42526863	415B77C8	42E5B87B	C1E00000	
(1600)	C3109760	005C0000	00010E25	473038BE	0000001C	481E745E	4776F4F4	4319D9ED	4227ADC1	C270A6A1	
(1640)	41690215	422F8CEE	412B62AA	425E3961	42309F88	41400000	42ACB333	4297B333	433F5F8F	424F1193	
(1680)	415BD5F3	42E6523F	C1E00000	C31003F0	005C0000	00010E25	47303AFE	0000001C	481DFC21	47750C4D	
(1720)	4319C893	422713FC	C2708AE8	41692A22	422EFAC4	412313BA	425E398C	422FFD68	41400000	42ACB333	
(1760)	4297B333	433F537C	424BE0C7	415C32E0	42E6EC04	C1E00000	C2F70800	005C0000	00010E25	47303D3E	
(1800)	0000001C	481DC902	47742FF4	4319B83C	42267A0B	C2707039	41695115	422E681C	411BC8CC	425E39BE	
(1840)	422F5E65	41400000	42ACB333	4297B333	433F4783	424997A4	415C8D72	42E785F5	C1E00000	C2EDD100	
(1880)	005C0000	00010E25	47303F7E	0000001C	481DA05D	47738DDD	4319AAA0	4225DFA2	C2705853	41697511	
(1920)	422DD420	4121FD28	425E3A0A	422ED6E3	41400000	42ACB333	4297B333	433F3B78	4247D23B	415CE3BF	
(1960)	42E5205E	C1E00000	C2E49900	005C0000	00010E25	473041BE	0000001C	481D5CF8	4772790F	43199D05	

			C415C200	C321FD60	005C0000	00011220	46463404	0000001C	466CC05D	453C5519	
(11160)	431C121D	41E7653A	C2739450	42118832	421645B4	412B2335	424DEA17	42186A68	41C00000	4289B333	
(11200)	42993333	43443261	411AFA99	42119664	42687653	C415C200	C32169E0	005C0000	00011220	46465804	
(11240)	0000001C	466E7D83	4536B6E3	431BF4DE	41F0FA4D	C2738773	42118985	4216DF1D	4126522D	424DF2E4	
(11280)	4218DF77	41C00000	4289B333	42993333	434434F3	411A16BC	42119629	42690FA4	C415C200	C320D670	
(11320)	005C0000	00011220	46467C04	0000001C	4670ADC9	45311555	431BD79E	41FA8F5F	C2737A96	42118B38	
(11360)	42177886	411DC62E	424DFBAC	42195141	41C00000	4289B333	42993333	4344375E	41195301	421195EB	
(11400)	4269A8F5	C415C200	C3204300	005C0000	00011220	4646A004	0000001C	467BAE9F	454360C9	431BBD57	
(11440)	42104246	C2736CD7	42118CCA	4216125C	4123B0B1	424E02AE	4219E260	41C00000	4289B333	42993333	
(11480)	4344398C	411A973D	421195B9	426A42A6	C415C200	C31FAF90	005C0000	00011220	4646C404	0000001C	
(11520)	467E9D5C	4533472C	431BA352	4210DC5E	C2735F04	42118E5E	4218AC3C	4127BD04	424E098D	421A7175	
(11560)	41C00000	4289B333	42993333	43443B8C	411A0D98	42119584	426ADC5E	C415C200	C31F1C10	005C0000	
(11600)	00011220	46470C04	0000001C	466758F4	453B3AC4	431B6F47	42120FCF	C273435E	42119186	4219DFFB	
(11640)	412893FD	424E1746	421B81C5	41C00000	4289B333	42993333	43443F18	411983C1	4211950F	426C0FCF	
(11680)	C415C200	C31DF530	005C0000	00011220	46475404	0000001C	4691F4D3	453E4AD5	431B3B3D	42134341	
(11720)	C2732788	421194AD	421B13BA	411F72CE	424E24FF	421C818D	41C00000	4289B333	42993333	43444201	
(11760)	41193683	4211948A	426D4341	C415C200	C31CCE40	005C0000	00011220	46477804	0000001C	4693FD29	
(11800)	453C5E19	431B2295	4213DD1A	C2731962	42119649	421BADC2	411E1B00	424E2636	421D0B46	41C00000	
(11840)	4289B333	42993333	4344432B	41188780	4211944A	426DDD1A	C415C200	C31C3AD0	005C0000	00011220	
(11880)	4647C003	0000001C	46A3C493	454C0DCA	431AF537	42151129	C272FB3D	4211999C	421CE247	4128EC71	
(11920)	424E1872	421E365C	41C00000	4289B333	42993333	434444EB	4119291C	42119307	426F1129	C415C200	
(11960)	C31313E0	005C0000	00011220	464936EB	0000001C	46DDCA06	455AB7DF	431A1E91	421B56B4	C2725436	
(12000)	4211AB91	42232ADA	4129F8C6	424DFE51	42241CEF	41C00000	4289B333	42993333	4344433F	4117DEA3	
(12040)	421190D5	427556B4	C415C200	C3151450							

FILE 1 # OF DATA RECORDS 2619 # SUCCESSFUL READS 2554

PERMANENT READ ERRORS 0 # ZERO BYTE ERRORS 67 # SHORT RECORDS 0 # UNDEFINED ERRORS 0

OF RECORDS RETRIED 75 TOTAL # OF RETRIES 77

65,536
4,096
512
32
70176

(40)	0000000E	0000000C	00000001	43384000	43A28000	00000000	00000000	00440000	00000000	
(80)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	
(120)	00000002	00000002	00000000	45151800	00000001	00440000	00000018	00000002	00000026	00000004
(160)	0000003F	00000010	00000037	0000001C	0000002C	00000020	00000010	00000030	00000033	00000032
(200)	00000036	0000000E	00440000	00000025	0000000C	00000013	00000000	00000000	00000000	00000000
(240)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	41100000	00440000
(280)	40800000	00000001	0000000B	00000007	00000006	00000000	00000000	00000000	00000000	00000000
(320)	00000000	4315E000	41A00000	43168000	41A00000	41800000	00440000	41A00000	00000000	00000000
(360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	4912A05F	457A1200
(400)	41A00000	42B40000	00000000	00440000	442A3000	431F4000	00000000	00000000	00000000	00000000
(440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000ADF	00000000
(480)	00440000	00010E25	00010E38	00000000	00000000	00000001	00000000	00000000	00000000	00000000
(520)	00000000	40F461F1	F961F7F2	F2F17AF5	F87AF2F0	4BF2F8F0	42640000	00440000	00000003	00F4D007
(560)	00F4D008	00F4D015	00F4D060	00F4D061	00F4D033	00F4D034	00F4D035	00F4D036	00F4D037	00F4D038
(600)	00F4D012	00F4D013	0004D014	00F4D015	00440000	00F4D016	00F4D017	00F4D018	00F4D019	00F4D020
(640)	0004D021	00F4D022	00F4D023	00F4D024	00F4D025	D2C1F2F7	F0F84040	D2C1F2F7	F0F94040	D2C1F2F7
(680)	F1F54040	005C0000	00010E25	472A982E	00000004	4627B7E0	456E6CCE	43195E55	422248DF	C256BD30
(720)	416A6C40	422D2FA6	41214178	425E7ED8	422FF3DC	41400000	42ACB333	4297B333	433EF9E3	40D2ECE2
(760)	41615C0D	42EBB721	C1D00000	C2B0D700	005C0000	00010E25	472AB7AE	00000004	463AD627	457D414F
(800)	4318F948	4219CC72	C255AE9E	416C1FA6	4224CB13	4139B169	4263EEC9	4227EBB9	41400000	42ACB333
(840)	4297B333	433E6D21	41131E20	41642CFA	42F4338E	C1D00000	C22FD100	005C0000	00010E25	472ABC2E
(880)	00000004	463CB26C	4584B0E2	4318F30E	42189565	C2558C6E	416C5915	422396E1	419FFE81	426ADDEC
(920)	4226BC45	41400000	42ACB333	4297B333	433E5B5E	4113B3DA	4164882C	42F56A9B	C1D00000	C21D6300
(960)	005C0000	00010E25	472ABE6E	00000004	46448893	45707BAD	4318F007	4217F9DD	C2557B5F	416C75C4
(1000)	4222FCC6	40AFDFF0	42612DD9	42261C36	41400000	42ACB333	4297B333	433E5B5E	41163A8A	4164B53F
(1040)	42F60623	C1D00000	C2142B00	005C0000	00010E25	472AC0AE	00000004	463D3B1F	457FBC64	4318F0F8
(1080)	42175E24	C2556BE0	416C90C8	4222624A	411CFABA	42612019	42259AF1	41400000	42ACB333	4297B333
(1120)	433E4A21	4113E092	4164E02D	42F6A1DC	C1D00000	C1AF4000	005C0000	00010E25	472AC48C	00000004
(1160)	46428033	456C42E4	4318F297	4216527F	C255513E	416CBF37	422158C5	4128656A	42610879	4224B2B3
(1200)	41400000	42ACB333	4297B333	433E3BB9	41159BB8	4165293E	42F7AD81	41D00000	414E3000	005C0000
(1240)	00010E25	472AD20C	00000004	46409D7B	456C6687	43190159	4212ABFA	C254F70E	416D5E51	421DB95A
(1280)	413A52AE	4260E8EE	4221656A	41400000	42ACB333	4297B333	433E0D05	41151CE6	41661F01	42FB5406
(1320)	41D00000	423C2F00	005C0000	00010E25	472AED2E	00000004	46402C37	456D9DB8	43192913	41ED95C2
(1360)	C2549F7E	416DFD95	4219ED5D	4140BABF	42684125	421E1419	41400000	42ACB333	4297B333	433DE1BA
(1400)	41153916	41670F9D	42FF26A4	41D00000	42761200	005C0000	00010E25	472AE26E	00000004	46485193
(1440)	45797A48	4319322F	41E3D932	C2549234	416E1640	4219528E	413E069C	42682CAA	421D95A9	41400000
(1480)	42ACB333	4297B333	433DE1BA	4117F97B	41673478	42FFC26D	41D00000	427F4900	005C0000	00010E25
(1520)	472AE4AE	00000004	464C156D	457D306D	43193B4A	41DA1CA3	C25484EA	416E2EE6	4218B7C0	413A14BA
(1560)	4268182C	421D1353	41400000	42ACB333	4297B333	433DD522	41194B9C	41675925	431005E3	41D00000
(1600)	42888100	005C0000	00010E25	472AE6EE	00000004	4649A150	4573CB4D	43194466	41D06014	C25477A1
(1640)	416E4791	42181CF1	41349F1C	426803B1	421C8CD5	41400000	42ACB333	4297B333	433DD522	411889DF
(1680)	41677DA4	43100F9F	41D00000	4291B800	005C0000	00010E25	472AE92E	00000004	4646323B	456C76CD
(1720)	43194D81	41C6A384	C2546A57	416E6037	42178223	412D1A3A	4267EF3A	421C01EE	41400000	42ACB333
(1760)	4297B333	433DC929	4117760B	4167A1F9	4310195C	41D00000	429AEF00	005C0000	00010E25	472AEB6E
(1800)	00000004	464B871F	4582B2F8	43195899	41BCE7F3	C2545D65	416E7884	4216E759	4129F6F1	4267DCA7
(1840)	421B8376	41400000	42ACB333	4297B333	433DC929	4119512D	4167C5C1	43102318	41D00000	42A42700
(1880)	005C0000	00010E25	472AEDAE	00000004	464598B0	45749881	431965C2	41B32D6C	C25450CF	416E906A
(1920)	42164C94	412C1343	4267CC09	421B1379	41400000	42ACB333	4297B333	433DBDAE	41176BA3	4167E8F7
(1960)	43102CD2	41D00000	42AD5E00	005C0000	00010E25	472AEFEE	00000004	464D602D	45908553	431972EB
(2000)	41A972E7	C2544439	416EA855	4215B1D0	412C2B1B	4267BB6A	421AA067	41400000	42ACB333	4297B333
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D-19378

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69,157

7/15/69

5/12/70

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FILE 1 # OF DATA RECORDS 3018 # SUCCESSFUL READS 2966

PERMANENT READ ERRORS 0 # ZERO BYTE ERRORS 55 # SHORT RECORDS 0 # UNDEFINED ERRORS 0

OF RECORDS RETRIED 55 TOTAL # OF RETRIES 61

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