

#249

APOLLO 15 (71-063D-01A)
APOLLO 16 (72-031D-01A)

COUNT RATE DATA

Table of Contents

1. Introduction
2. Errata/Change Log
3. LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC
INFORMATION SYSTEM
4. Catalog Materials
 - a. Associated Documents
 - b. Core Catalog Materials

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

APOLLO 16 SUBSATELLITE
10MIN AND 2HR AVE COUNT RATE, TAPE
72-031D-01A

This data set has been restored. There was originally one 7-track, 800 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a 6600 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR005292	DS005292	D013129	1	04/25/72 - 05/29/72

APOLLO 15 SUBSATELLITE
10MIN AND 2HR AVE COUNT RATE, TAPE

71-063D-01A

This data set has been restored. There were originally two 7-track, 800 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on a 6600 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR005291	DS005291	D013128	1	08/04/71 - 02/03/72 (a)
		D018981	2	02/03/72 - 01/23/73

(a) D013128: Read errors occurred in records 11, 12 of file 1.

REQ. AGENT

DLB

CMT

RASH NO.

RB4948

RC3753

ACQ. AGENT

JJB

APOLLO 15 (71-063D-01A)

APOLLO 16 (72-031D-01A)

COUNT RATES TAPES

This data set consists of Apollo 15 and 16 count rate data. These tapes which were created on the CDC 6600 computer are 800, BIN, 7 track, 1 file. The format and description of the tapes can be found on the following pages. There are records at the beginning of the tapes that are not documented.

APOLLO 15

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-13128	C-09907	8/04/71 - 2/03/72
D-18981	C-15547	2/03/72 - 1/23/73

APOLLO 16

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-13129	C-09908	4/25/72 - 5/29/72

APOLLO 15

SS 10 MIN & 2 HR COUNT RATES

71-063D-01A

<u>WORD</u>	<u>DESCRIPTION</u>	<u>ACTUAL DATA</u>
1	Orbit number (interger)	2*
2	Orbit date (Display code)	8/04/71
3	Fractional day of orbit start (real)	216.92
4	Active time of C1 for entire orbit (R)	5432.1
5	Active time of C1 for 12 successive 10 MN Avg	513.00
6	Active time of C1 for 12 successive 10 MN Avg	457.00
7	Active time of C1 for 12 successive 10 MN Avg	176.00
8	Active time of C1 for 12 successive 10 MN Avg	262.84
9	Active time of C1 for 12 successive 10 MN Avg	505.44
10	Active time of C1 for 12 successive 10 MN Avg	505.44
11	Active time of C1 for 12 successive 10 MN Avg	505.44
12	Active time of C1 for 12 successive 10 MN Avg	505.44
13	Active time of C1 for 12 successive 10 MN Avg	505.44
14	Active time of C1 for 12 successive 10 MN Avg	505.44
15	Active time of C1 for 12 successive 10 MN Avg	505.44
16	Active time of C1 for 12 successive 10 MN Avg	505.44
17	Array ORB Avgs for each DET. CHAN. SA1-4	6.03
18	Array ORB Avgs for each DET. CHAN. SB1-4	4.28
19	Array ORB Avgs for each DET. CHAN. SA2	4.13
20	Array ORB Avgs for each DET. CHAN. SB2	4.46
21	Array ORB Avgs for each DET. CHAN. SA3	4.91
22	Array ORB Avgs for each DET. CHAN. SB3	7.06

* I started with 2nd Physical record - 1st contains a number of blank words

<u>WORD</u>	<u>DESCRIPTION</u>	<u>ACTUAL DATA</u>
23	Array ORB Avgs for each DET. CHAN. SA4	5.77
24	Array ORB Avgs for each DET. CHAN. SB4	5.29
25	Array ORB Avgs for each DET. CHAN. SA5	6.06
26	Array ORB Avgs for each DET. CHAN. SB5	2.94
27	Array ORB Avgs for each DET. CHAN. SA6	6.34
28	Array ORB Avgs for each DET. CHAN. SB6	10.06
29	Array ORB Avgs for each DET. CHAN. SEC1	8.50
30	Array ORB Avgs for each DET. CHAN. SEC2	1.98
31	Array ORB Avgs for each DET. CHAN. SEC4	0.98
32	Array ORB Avgs for each DET. CHAN. SEC3	1.53
33	Array ORB Avgs for each DET. CHAN. SUMC5	2.06
34	Array ORB Avgs for each DET. CHAN. C4	10.36
35	Array ORB Avgs for each DET. CHAN. C1	3.09
36	Array ORB Avgs for each DET. CHAN. C2	8.75
37	Array - 10 minute averages SA1-4	0.28
38	Array - 10 minute averages SB1-4	0.22
39	Array - 10 minute averages SA2	0.09
40	Array - 10 minute averages SB2	0.06
41	Array - 10 minute averages SA3	0.04
42	Array - 10 minute averages SB3	0.03
43	Array - 10 minute averages SA4	4.15
44	Array - 10 minute averages SB4	3.79
45	Array - 10 minute averages SA5	3.53
46	Array - 10 minute averages SB5	3.42
47	Array - 10 minute averages SA6	3.39
48	Array - 10 minute averages SB6	5.05

<u>WORD</u>	<u>DESCRIPTION</u>	<u>ACTUAL DATA</u>
49	Array - 10 minute averages SEC1	4.29
50	Array - 10 minute averages SEC2	3.86
51	Array - 10 minute averages SEC4	5.01
52	Array - 10 minute averages SEC3	1.03
53	Array - 10 minute averages SUMC5	3.87
54	Array - 10 minute averages C4	6.90
55	Array - 10 minute averages C1	4.51
56	Array - 10 minute averages C2	0.03

Orbit Average Tapes UC, Berkeley Apollo 15, 16 PFS

1 record/orbit

1st tape	PFS1	REVS 1-2195
2nd tape	PFS2	REVS 1-424

Each record 276 60-bit words long, each word is CDC 6600 binary word

1 orbit no. - integer

2 orbit date - CDC display code

3 fractional day of orbit start - (this & all subsequent words are real)

4 active time of C1 for entire orbit

5-16 active time of C1 for 12 successive 10 minute averages from orbit start

next 260 words are a 13 x 20 word array. first row of array are orbit averages for each detector channel, each of next 12 rows is a 10 minute average

**Columns are SA1-4, SB1-4, SA2, SB2...SA6, SB6, SEC1, SEC2,
SEC4, SEC3, SUMC5, C4, C1, C2**

Notes

- (1) Missing orbits have rev no. defined, but fractional day = - 0 (all 60 bits on)**
- (2) orbit date in form MM/DD/YY**
- (3) Missing averages or active times are represented by a - 0.**

EOF-PARITY-ERROR TAPE CHECK RUN BEGINS.

AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2196 OF FILE NO. 1

INPUT TAPE HAS 768.50 FEET OF DATA

EOF-PARITY-ERROR TAPE CHECK RUN HAS ENDED.

D-13128

FILE 0001 REC 0001 CH 2760

0001 0000000000 000000015843 503337504234 555517276615 430354520620 173356114154 104635657777 777777777777
0049 777777276340 000000000000 172757400000 00000001730 420740032155 613317307713 412172702405 173077134121
0067 727024051730 771341217270 240517307713 412172702405 173040665026 074475657777 777777777777
0145 777777777777 777777777777 777777777777 650425332100 053477777777 777777777777 172151134110 032106221721
A0440 15 0193 520313433706 427217225440 172173661027 172240170156 455353061721 702664440347 337017216307 40606224442
D-13138 0241 172145177335 312037401721 461015552357 761077777777 777777777777 777777777777 777777777777 777777777777
C-09907 0389 777777214333 11337225474 777777777777 525614767761 452017207712 153412567143 172066540206
0337 442336031721 626535011711 542117217403 526716770716 172150513265 707641261720 423342706674 765017175517
0385 756743103551 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
0433 777777777777 777717224443 505161674645 172167522506 025231131722 664161131730 432517224110 375445565352
8/04/71 0481 172156266042 320047231721 630716621723 003417214016 233513615237 172141373301 155517577777 777777777777
0529 777777777777 777777777777 777777777777 777777777777 436406533534 231577777777 777777777777 171372266273
2/03/72 0577 521646471714 676051172234 041617144236 731376612665 171342367313 766126651712 650321154044 430617117523
0625 327775641407 1712523441561 152034051712 655077477605 524677777777 777777777777 777777777777 777777777777
0673 777777777777 777717174366 433012340266 777777777777 777777777777 777777777777 777777777777 777777777777
0721 171773752546 636407611717 453602234243 731017174003 721605367665 171742305144 331672761716 577237302407
0769 326117155623 630170114352 777777777777 777777777777 243455014424 171350440045 471247001712 442622637726 634417125003
0817 730133737777 177777777777 777717126414 455434773132 012517126414 243455014424 171252320047 246321417777
0865 166326775133 171244760364 251634301712 455434773132 012517126414 243455014424 171252320047 246321417777
0913 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
0961 171461453506 570147241713 670366664270 457317147031 634035373374 577477777777 577477777777 777777777777
1009 456317145753 112000427474 171366751756 612477251712 655572145021 777777777777 777777777777 777777777777
1057 777777777777 777777777777 777717115215 421720242777 712117117326 131576734320 171143746425 311454101711
1105 503237145234 742017117116 415314535533 777777777777 777777777777 777777777777 777777777777 777777777777
1153 506317554720 742017117116 415314535533 777777777777 777777777777 777777777777 777777777777 777777777777
1201 171062471266 754167713315 171043546557 722664561710 657316400563 021517104354 655772266456 171067506241
1249 051117107072 754167713315 171043546557 722664561710 657316400563 021517104354 655772266456 171067506241
1297 067765047777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
1345 777777777777 170745173747 027402321707 771144716704 322617074245 175065007106 170774441327 346143741707
1393 760437263216 565417104476 742170544050 171045173747 027402321706 656264612235 652077777777 777777777777
1441 777777777777 777777777777 777777777777 777717056163 662653312507 777777777777 777777777777 461060622543
1489 050317056351 145665134013 170573012754 301511251705 757617216301 001617046266 263034566131 170640552256
1537 563660061705 626626033456 613117055124 121367260010 777777777777 777777777777 777777777777 777777777777
1585 777777777777 170541527215 655757137777 777777777777 777777777777 777777777777 777777777777 777777777777
1633 710327764375 252217054415 157705455421 170565371236 515537751704 731763764032 611317045262 417672757775
1681 170567007576 471755537777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
1729 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
1777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
1825 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
1873 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
1921 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
1969 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2017 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2065 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2113 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2161 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2209 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2257 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2305 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2353 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2401 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2449 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2497 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2545 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2593 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2641 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2689 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777
2737 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777 777777777777

FILE 0001 REC 0002 CH 2760

0001 000000000000 000000025543 503337504234 555517276616 701330113013 173452340414 545125061731 400400000000
0049 000017307110 000000000000 172754000000 000000001730 406650260744 756617307713 412172702436 173077134121
0097 727024361730 243617307713 412172702436 173077134121 727024361730 771341217270 243617307713
0145 412172702436 173077134121 464655201722 602611450034 346317224222 334437501370 172241031460 655332321722
0193 432214052462 502717224720 774040357030 1722270434524 443145421722 5614477055424 7630172225234 727064574673

0241	172260421470	046663041721	571052122536	404117226265	654101023326	172350321752	31374264723	420730510505	24
0289	67717207776	305701472647	17177537550	115170351120	612500546435	637017214107	545156420463	172351343221	24
0337	263667431721	614605113327	436d17234303	602555156112	117644414461	720503421715	730321523255	374517146366	34
0385	336257672016	1714433242143	672174521713	614501505544	151417135173	443451205237	172241270065	14341031721	34
0433	742575576441	776217217051	775247252132	1172166747342	4755465d1721	663764230106	157017225035	341217270242	43
0481	172242345622	164247017076	756212202744	254d17225016	511243012513	1720411263403	537337501721	760117354577	43
0529	305217226721	445455316726	172244154307	70501071713	431550741355	732417136746	347477403467	171376725267	
0577	426370171713	703325156226	452617134624	106776504744	171355764417	762711051713	523415611520	340517126550	
0625	774776055246	171271361523	757473271712	650321154400	430617124327	406353030204	171426241067	765047441712	
0673	655077477605	524617167130	571605745556	171655717542	555271751717	171675551024	230433201716	653012514460	
0721	171672336602	073416461717	571477450353	147017175116	643471444505	322217165227	472522731006	171243733256	
0769	574017155537	632034157027	171650744756	627754261717	171265761432	6135777001712	455434773132	012517117520	
0817	477457541712	471117254161	131717116641	341577021527	171265761432	6135777001712	455434773132	012517117520	
0865	170701222213	171252320047	244521411712	455434773132	012517116365	076712736166	171254606233	221271451712	
0913	422503427021	767317125003	166326775133	171170425337	060702001713	463062066053	005017134257	713444350515	
0961	171346257513	523353201713	431221113341	564017126555	721450215774	171356637107	262307741713	765271165677	
1009	277317134637	653420041375	171360626110	213051741712	633244401477	677417126210	556213773774	171342357736	
1057	401751751713	436374103266	377517115634	754421216421	171153640762	045535621711	657025763022	545117116650	
1105	030332515622	171063733164	170406661711	620455356306	176117116373	316417040666	171146115362	103510751711	
1153	732613157673	432017116750	624106776504	171152517404	031663251711	544050323714	523417114317	125223272673	
1201	170774460075	271763231710	444061115645	706517104471	273124636052	170752371137	064034711710	420476742170	
1249	544017104354	655772266456	171040351010	513244221706	637331641704	066717074674	432713230511	171043546557	
1297	722664561707	553376455513	460017104355	655772266456	171046744327	1323035111707	615604445353	7301171104517	
1345	374702740232	170763676735	174125510000	000000200000	000017104147	607663425122	170757043613	101206446710	
1393	424517506500	710617076562	646122356520	170650260744	756627741707	570436131012	064617104245	175065007106	
1441	170757043613	101206461706	170560146643	131700121704	571571265475	170546567143	077050101705	570067564654	
1489	714217054163	316233647222	170560146643	712654755567	170551265475	556717055460	402741224011	170551241213	
1537	672600101705	546040274122	401117055715	712654755567	170551265475	672600101704	670542723710	001317054567	
1585	640015314010	170541772544	122422561704	701224464531	277617046700	757647175553	170664407312	240035031704	
1633	526241767275	777517046172	747657355250	170471032776	431525221704	751013763530	444117054716	243700561251	
1681	170543520677	063625231705	526241767275	777517055622	417672757775	170452624176	727577577777	777777777777	
1729	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
1777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
1825	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
1873	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
1921	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
1969	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2017	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2065	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2113	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2161	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2209	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2257	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2305	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2353	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2401	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2449	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2497	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2545	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2593	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2641	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2689	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	
2737	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	777777777777	

FILE 0001 REC 0003 CH 2760

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