

Data Set Catalog # 216

Apollo 14, Charged Particle
71-008C-08B 1 tape

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

APOLLO 14

SPHE 00231

EXPER POSN, ORIENTATION INFO ON TAPE

71-008C-08B

THIS DATA SET HAS BEEN RESTORED. THERE WAS ORIGINALLY ONE 7-TRACK, 556 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 AN IBM 7094 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005304	DS005304	D011677	3	01/01/71 - 12/31/73

REQ AGENT
WTS

RASH NO
RB3708

ALQ. AGENT
JHK

APOLLO 14

71-008C-08B

CHARGED PARTICLE

This data set consists of 1 556 BPI, Binary data tape that was produced on the 7094. There are 3 files each containing 1 year of data.

<u>D#</u>	<u>C#</u>	<u>START</u>	<u>STOP</u>
D-11677	C-09150	1/01/71	12/31/73

CPLLE EPHemeris TAPE DESCRIPTION

NSSDC: 71-008C-08B

The various ephemeris parameters appropriate for CPLLE are written on a 3-file, 7-track, 556 B.P.I. tape in (SDS-92) binary integer 36-bit format. There is no header record, and there are data for all of 1971, 1972, and 1973 in the first, second, and third tape files. + The data are computed for each two-hour interval, and the results for a two-hour interval comprise one record.

Each record contains 43 words, and these are:

0. Control Word
1. Year
2. Day (Day 1 = January 1)
3. Hour (00 thru 22 in steps of 2)
4. OMEGA* The angle between the analyzer A look direction and the sun.
5. OMEGB The angle between the analyzer B look direction and the sun.
6. THETA The angle between the analyzer A look direction and the sun projected into the Y-Z plane of the instrument.
7. PHIA** The angle between analyzer A and the sun projected into the X-Z plane of the instrument.
8. THETB** The angle between analyzer B and the sun projected into the X-Z plane of the instrument.
9. PHIB The angle between analyzer B and the sun projected into the Y-Z plane of the instrument. Since the analyzer A and B look directions both lie within the instrument X-Z plane, THETA is identical to PHIB.

+ Data for December 31, 1971, found at the end of the first file, are repeated at the beginning of the second file, where the day number is given as zero. Data for December 31, 1972 have been omitted.

* See notes 1 and 4 at the end of this format statement.

** Meaningful values computed only when instrument on day side of moon. Otherwise dummy values fill these fields.

10. DSMA	The projection of OMEGA onto the plane of the ecliptic.
11. DSMB	The projection of OMEGB onto the plane of the ecliptic.
12. LAMDA	The angle between analyzer A look direction and the earth.
13. LAMDB	The angle between analyzer B look direction and the earth.
14. LLT	Local Lunar Time - the angle between the lunar meridian of the instrument and the instantaneous lunar midnight meridian. $LLT = 0^\circ$ at local midnight, $LLT = 180^\circ$ at local lunar noon.
15. HA	Hour Angle - LLT expressed in units of hours with $360^\circ = 24$ hours.
16. RTAM**	Time in hours after local lunar midnight - always positive.
17. TBSR+	Time in hours before local sunrise, based on a smooth moon. Actual sunrise at the Apollo 14 site is 5 hours 30 minutes later than that predicted due to topographic features.
18. TBLN+	Time in hours before lunar noon.
19. TBSS+	Time in hours before local lunar smooth-moon sunset. Actual sunset at Apollo 14 occurs 2 hours 30 minutes before prediction.
20. SELDA**	Solar ecliptic latitude of the look direction of analyzer A, positive when looking northward out of the plane of the ecliptic.
21. SELDB	Solar ecliptic latitude of the look direction of analyzer B.
22. SELODA	Solar ecliptic longitude of the look direction of analyzer A.
23. SELODB	Solar ecliptic longitude of the look direction of analyzer B.

* Similar to HA, except $360^\circ =$ lunar synodic period in hours = 708 hours.

+ Time is positive before and negative after event (midnight, sunrise, noon, or sunset). Transitions between positive and negative values occur at event and at local lunar midnight.

** See note 7.

24. SEA	The angle between the line from the earth to the sun and the line from the earth to ALSEP.
25. ELA	Solar ecliptic latitude of the instrument.
26. SELOA	Solar ecliptic longitude of the instrument.
27. LTA	N/A
28. SMLA	Solar magnetospheric latitude of the instrument.
29. SMLOA	Solar magnetospheric longitude of the instrument.
30. SMLDA	Solar magnetospheric latitude and longitude, respectively, of the look directions of analyzer A and B, respectively.
31. SMLDB	
32. SMLODA	
33. SMLODB	
34. XSM	Geocentric solar magnetospheric coordinates in units of earth radii of the instrument position.
35. YSM	
36. ZSM	
37. XSE	
38. YSE	Geocentric solar-ecliptic coordinates in units of earth radii of the instrument position.
39. ZSE	
40. ZSMRB	The distance from the neutral sheet in the Russell-Brody model. This is only computed for $XSM < 0$ and $YSM \leq 11RE$. Otherwise $ZSMRB = ZSM$.
41. Control Word	
42. Control Word	

Additional Notes:

1. All angles are in degrees.
2. All times are in hours.
3. All distances in units of earth radii.
4. Words 4-40 were multiplied by 100 prior to conversion to integer for writing on tape. Thus for example 29.73 would appear as 2973 on tape.
5. Ephemeris Data for the years 1971, 1972, and 1973 are combined onto one tape. The data for each year are set off by end of file marks.
6. In the instrument coordinate system, Z is toward the local vertical, X is toward lunar east, and Y is toward lunar north.
7. Standard geocentric solar ecliptic (SE) and solar magnetospheric (SM) coordinates are used; x axis is positive from earth to sun in SE and SM; z axis is positive north from ecliptic plane in SE, positive north in plane containing x axis and tilted geomagnetic dipole axis in SM.

START 1/01/71

STOP 12/31/73

PAGE 01 D 11677

FILE 0001 REC 0001 CH 0258

0001	000050010001	000000003663	000000000001	000000000000	000000035156	777777742565	777777777124	000000214477
0049	000000230257	777777777124	777777742566	000000035246	000000003411	000000017137	000000005706	000000003310
0097	000000013456	000000027007	000000071475	000000134163	000000000566	000000000075	000000051230	000000035233
0145	000000011237	000000000032	000000011237	000000002755	000000002430	000000011024	777777775625	777777775135
0193	000000051123	000000035057	000000007406	000000007666	000000002411	000000007406	000000010177	000000000032
0241	000000002411	000001306342	000050010001					

FILE 0001 REC 0002 CH 0258

0001	000050010001	000000003663	000000000001	000000000002	000000035012	777777742420	777777777127	000000214477
0049	000000230257	777777777127	777777742733	000000035413	000000003421	000000017151	000000006053	000000003317
0097	000000013766	000000026477	000000071165	000000133653	000000000543	000000000063	000000051175	000000035400
0145	000000011417	000000000045	000000011417	000000002765	000000002100	000000011263	777777776262	777777775551
0193	000000051235	000000035274	000000007263	000000010101	000000002067	000000007263	000000010312	000000000045
0241	000000002067	000001307327	000050010001					

FILE 0001 REC 0003 CH 0258

0001	000050010001	000000003663	000000000001	000000000004	000000034645	777777742253	777777777133	000000214477
0049	000000230257	777777777133	777777743101	000000035561	000000003430	000000017163	000000006221	0000000000326
0097	000000014276	000000026167	000000070655	000000133343	000000000521	000000000051	000000051343	000000035546
0145	000000011577	000000000060	000000011577	000000002774	000000001201	000000011541	777777777300	777777776574
0193	000000051342	000000035523	000000007137	000000010345	000000001176	000000007137	000000010424	000000000060
0241	000000001176	000001310076	000050010001					

FILE 0001 REC 0004 CH 0258

0001	000050010001	000000003663	000000000001	000000000006	000000034501	777777742106	777777777136	000000214477
0049	000000230257	777777777136	777777743247	000000035727	000000003440	000000017175	000000006367	0000000000335
0097	000000014606	000000025657	000000070345	000000133033	000000000476	000000000037	000000051510	000000035713
0145	000000011757	000000000073	000000011757	000000003004	000000000146	000000011757	000000000417	777777777755
0193	000000051507	000000035713	000000007012	000000010533	000000000145	000000007012	000000010534	000000000073
0241	000000000145	000001310324	000050010001					

FILE 0001 REC 0005 CH 0258

0001	000050010001	000000003663	000000000001	000000000010	000000034335	777777741741	777777777142	000000214477
0049	000000230257	777777777142	777777743414	000000036074	000000003450	000000017207	000000006534	0000000000344
0097	000000015116	000000025347	000000070035	000000132523	000000000452	000000000025	000000051656	000000036061
0145	000000012137	000000000106	000000012137	000000003013	777777777271	000000012130	000000001311	0000000000730
0193	000000051707	000000036047	000000006663	000000010627	777777777272	000000006663	000000010642	0000000000105
0241	777777777272	000001310464	000050010001					

FILE 0001 REC 0006 CH 0258

0001	000050010001	000000003663	000000000001	000000000012	000000034170	777777741574	777777777146	000000214477
0049	000000230257	777777777146	777777743562	000000036242	000000003457	000000017220	000000006702	0000000000352
0097	000000015426	000000025037	000000067525	000000132213	000000000427	000000000012	000000052023	000000036227
0145	000000012317	000000000120	000000012317	000000003023	777777777001	000000012276	000000001561	0000000001250
0193	000000052077	000000036204	000000006533	000000010713	777777777002	000000006533	000000010746	0000000000120
0241	777777777002	000001311051	000050010001					

FILE 0001 REC 0007 CH 0258

0001	000050010001	000000003663	000000000001	000000000014	000000034024	777777741430	777777777152	000000214477
0049	000000230257	777777777152	777777743730	000000036410	000000003467	000000017232	000000007050	0000000000361
0097	000000015736	000000024527	000000067215	000000131703	000000000403	000000000000	000000052171	000000036374
0145	000000012477	000000000133	000000012476	000000003032	777777777130	000000012463	000000001402	000000001104
0193	000000052233	000000036357	000000006402	000000011027	777777777131	000000006402	000000011051	0000000000133
0241	777777777131	000001312032	000050010001					

FILE 0001 REC 0008 CH 0258

0001	000050010001	000000003663	000000000001	000000000016	000000033657	777777741263	777777777156	000000214477
0049	000000230257	777777777156	777777744075	000000036555	000000003477	000000017243	000000007215	0000000000370
0097	000000016246	000000024217	000000066705	000000131373	000000000357	777777777766	000000052336	000000036542
0145	000000012656	000000000146	000000012656	000000003042	777777777631	000000012656	000000000664	0000000000332
0193	000000052347	000000036540	000000006250	000000011152	777777777632	000000006250	000000011152	0000000000146
0241	777777777632	000001313337	000050010001					

FILE 0001 REC 0009 CH 0258

0001	000050010001	000000003663	000000000001	000000000020	000000033513	777777741116	777777777162	000000214477
0049	000000230257	777777777162	777777744243	000000036723	000000003507	000000017255	000000007363	0000000000377
0097	000000016556	000000023707	000000066375	000000131063	000000000333	777777777753	000000052504	000000036707
0145	000000013036	000000000161	000000013035	000000003051	000000000572	000000013026	777777777741	777777777304
0193	000000052500	000000036704	000000006114	000000011234	000000000571	000000006114	000000011252	0000000000160
0241	000000000571	000001315026	000050010001					

FILE 0001 REC 0009 CH 0258									
FILE 0001 REC 0010 CH 0258									
	0001	000050010001	000000003663	000000000001	000000000022	0000000033346	777777740752	777777777167	000000214477
	0049	000000230257	777777777167	777777744411	000000037071	000000003517	000000017266	000000007531	000000000405
	0097	000000017066	000000023377	000000066065	000000130553	000000000306	777777777741	000000052651	000000037055
	0145	000000013216	000000000173	000000013215	000000003060	000000001617	000000013137	777777776764	777777776170
	0193	000000052672	000000037022	000000005757	000000011223	000000001613	000000005757	000000011347	000000000173
	0241	000000001613	000001316505	000050010001					
FILE 0001 REC 0011 CH 0258									
	0001	000050010001	000000003663	000000000001	000000000024	0000000033201	777777740605	777777777173	000000214477
	0049	000000230257	777777777173	777777744556	000000037236	000000003527	000000017300	000000007676	000000000414
	0097	000000017376	000000023067	000000065555	000000130243	000000000262	777777777726	000000053017	000000037222
	0145	000000013375	000000000206	000000013374	000000003070	000000002542	000000013226	777777776133	777777775172
	0193	000000053116	000000037122	000000005622	000000011143	000000002525	000000005622	000000011443	000000000206
	0241	000000002525	000001320022	000050010001					
FILE 0001 REC 0012 CH 0258									
	0001	000050010001	000000003663	000000000001	000000000026	0000000033035	777777740441	777777777177	000000214477
	0049	000000230257	777777777177	777777744724	000000037404	000000003537	000000017311	000000010044	000000000423
	0097	000000017706	000000022557	000000065245	000000127733	000000000235	777777777713	000000053164	000000037370
	0145	000000013554	000000000220	000000013553	000000003077	000000003207	000000013331	777777775557	777777774500
	0193	000000053336	000000037234	000000005463	000000011106	000000003160	000000005463	000000011535	000000000220
	0241	000000003160	000001321143	000050010001					
FILE 0001 REC 0013 CH 0258									
	0001	000050010001	000000003663	000000000002	000000000000	0000000032670	777777740275	777777777204	000000214477
	0049	000000230257	777777777204	777777745071	000000037551	000000003550	000000017322	000000010211	000000000432
	0097	000000020216	000000022247	000000064735	000000127423	000000000210	777777777701	000000053331	000000037536
	0145	000000013734	000000000233	000000013732	000000003107	000000003253	000000013511	777777775551	777777774442
	0193	000000053511	000000037404	000000005323	000000011165	000000003222	000000005323	000000011626	000000000233
	0241	000000003222	000001322037	000050010001					
FILE 0001 REC 0014 CH 0258									
	0001	000050010001	000000003663	000000000002	000000000002	0000000032523	777777740131	777777777210	000000214477
	0049	000000230257	777777777210	777777745237	000000037717	000000003560	000000017333	000000010357	000000000441
	0097	000000020526	000000021737	000000064425	000000127113	000000000163	777777777666	000000053477	000000037703
	0145	000000014113	000000000245	000000014111	000000003116	000000002637	000000013750	777777776133	777777775117
	0193	000000053607	000000037612	000000005162	000000011402	000000002621	000000005162	000000011714	000000000245
	0241	000000002621	000001322463	000050010001					
FILE 0001 REC 0015 CH 0258									
	0001	000050010001	000000003663	000000000002	000000000004	0000000032357	777777737765	777777777215	000000214477
	0049	000000230257	777777777215	777777745404	000000040064	000000003570	000000017344	000000010524	000000000447
	0097	000000021036	000000021427	000000064115	000000126603	000000000136	777777777654	000000053644	000000040051
	0145	000000014272	000000000257	000000014270	000000003125	000000001612	000000014225	777777777025	777777776230
	0193	000000053670	000000040026	000000005020	000000011663	000000001607	000000005020	000000012001	000000000257
	0241	000000001607	000001322470	000050010001					
FILE 0001 REC 0016 CH 0258									
	0001	000050010001	000000003663	000000000002	000000000006	0000000032212	777777737621	777777777222	000000214477
	0049	000000230257	777777777222	777777745552	000000040232	000000003600	000000017355	000000010672	000000000456
	0097	000000021346	000000021117	000000063605	000000126273	000000000111	777777777641	000000054012	000000040216
	0145	000000014451	000000000271	000000014447	000000003135	000000000422	000000014446	000000000003	777777777501
	0193	000000054011	000000040216	000000004656	000000012057	000000000423	000000004656	000000012063	000000000272
	0241	000000000423	000001322125	000050010001					
FILE 0001 REC 0017 CH 0258									
	0001	000050010001	000000003663	000000000002	000000000010	0000000032045	777777737456	777777777227	000000214477
	0049	000000230257	777777777227	777777745717	000000040377	000000003610	000000017366	000000011037	000000000465
	0097	000000021656	000000020607	000000063275	000000125763	000000000063	777777777626	000000054157	000000040364
	0145	000000014630	000000000303	000000014626	000000003144	777777777442	000000014626	000000000557	000000000524
	0193	000000054173	000000040361	000000004512	000000012143	777777777442	000000004512	000000012144	000000000304
	0241	777777777442	000001321604	000050010001					
FILE 0001 REC 0018 CH 0258									
	0001	000050010001	000000003663	000000000002	000000000012	0000000031700	777777737313	777777777234	000000214477
	0049	000000230257	777777777234	777777746065	000000040545	000000003621	000000017377	000000011205	000000000474
	0097	000000022165	000000020300	000000062766	000000125454	000000000036	777777777614	000000054324	000000040531
	0145	000000015006	000000000315	000000015005	000000003154	777777777116	000000014777	000000000764	000000001063
	0193	000000054354	000000040523	000000004346	000000012205	777777777116	000000004346	000000012223	000000000316

FILE 0001 REC 0018 CH 0258	0241 77777777116	000001321726	000050010001						
FILE 0001 REC 0019 CH 0258	0001 000050010001	000000003663	000000000002	000000000014	000000031533	777777737150	777777777241	000000214477	
	0049 000000230257	777777777241	777777746232	000000040712	000000003631	000000017410	000000011352	000000000502	
	0097 000000022475	000000017770	000000062456	000000125144	000000000010	777777777601	000000054472	000000040677	
	0145 000000015165	000000000327	000000015163	000000003163	777777777263	000000015161	000000000621	000000000706	
	0193 000000054512	000000040673	000000004200	000000012272	777777777262	000000004200	000000012300	000000000330	
	0241 777777777262	000001322636	000050010001						
FILE 0001 REC 0020 CH 0258	0001 000050010001	000000003663	000000000002	000000000016	000000031366	777777737006	777777777246	000000214477	
	0049 000000230257	777777777246	777777746400	000000041060	000000003641	000000017420	000000011520	000000000511	
	0097 000000023005	000000017460	000000062146	000000124634	777777777763	777777777566	000000054637	000000041044	
	0145 000000015344	000000000341	000000015342	000000003172	000000000037	000000015344	000000000172	000000000102	
	0193 000000054641	000000041044	000000004032	000000012360	000000000037	000000004032	000000012353	000000000342	
	0241 000000000037	000001324260	000050010001						
FILE 0001 REC 0021 CH 0258	0001 000050010001	000000003663	000000000002	000000000020	000000031222	777777736644	777777777253	000000214477	
	0049 000000230257	777777777253	777777746545	000000041225	000000003651	000000017431	000000011665	000000000520	
	0097 000000023315	000000017150	000000061636	000000124324	777777777735	777777777554	000000055005	000000041212	
	0145 000000015522	000000000353	000000015520	000000003202	000000001073	000000015510	777777777371	777777777013	
	0193 000000055014	000000041206	000000003663	000000012373	000000001074	000000003663	000000012424	000000000354	
	0241 000000001074	000001326210	000050010001						
FILE 0001 REC 0022 CH 0258	0001 000050010001	000000003663	000000000002	000000000022	000000031055	777777736504	777777777260	000000214477	
	0049 000000230257	777777777260	777777746713	000000041373	000000003662	000000017441	000000012033	000000000527	
	0097 000000023624	000000016641	000000061327	000000124015	777777777707	777777777541	000000055152	000000041357	
	0145 000000015700	000000000364	000000015676	000000003211	000000002214	000000015627	777777776553	7777777775637	
	0193 000000055232	000000041337	000000003514	000000012303	000000002211	000000003514	000000012473	000000000365	
	0241 000000002211	000001330161	000050010001						
FILE 0001 REC 0023 CH 0258	0001 000050010001	000000003663	000000000002	000000000024	000000030710	777777736344	777777777265	000000214477	
	0049 000000230257	777777777265	777777747060	000000041540	000000003672	000000017452	000000012200	000000000535	
	0097 000000024134	000000016331	000000061017	000000123505	777777777662	777777777527			

FILE 0001 REC 0001 CH 0258
0001 000050010001 000000003665 000000000552 000000000016 0000000035260 777777742633 777777777325 000000214477
0049 000000230257 777777777325 777777742502 000000035162 000000002460 000000016225 000000005622 000000000315
0097 000000013307 000000027156 0000000071644 000000134332 777777777272 777777777362 000000050744 000000035155
0145 000000010304 000000000633 000000010264 000000002715 000000000251 000000010301 777777777756 000000000044
0193 000000050736 000000035161 000000011010 000000010301 000000000272 000000011010 000000010255 000000000734
0241 000000000272 000001304770 000050010001

FILE 0001 REC 0002 CH 0258
0001 000050010001 000000003665 000000000552 000000000020 0000000035113 777777742465 777777777331 000000214477
0049 000000230257 777777777331 777777742647 000000035327 000000002446 000000016213 000000005767 000000000314
0097 000000013617 000000026646 0000000071334 000000134022 777777777247 777777777352 000000051111 000000035323
0145 000000010437 000000000641 000000010417 000000002723 000000001072 000000010401 777777776747 777777777050
0193 000000051122 000000035313 000000010701 000000010337 000000001162 000000010701 000000010364 000000000712
0241 000000001162 000001306045 000050010001

FILE 0001 REC 0003 CH 0258
0001 000050010001 000000003665 000000000552 000000000022 0000000034746 777777742320 777777777334 000000214477
0049 000000230257 777777777334 777777743015 000000035475 000000002435 000000016201 000000006135 000000000323
0097 000000014127 000000026336 0000000071024 000000133512 777777777224 777777777342 000000051256 000000035470
0145 000000010572 000000000646 000000010552 000000002731 000000001756 000000010437 777777775716 777777776003
0193 000000051346 000000035412 000000010571 000000010307 000000002115 000000010571 000000010471 000000000720
0241 000000002115 000001307051 000050010001

FILE 0001 REC 0004 CH 0258
0001 000050010001 000000003665 000000000552 000000000024 0000000034601 777777742153 777777777340 000000214477
0049 000000230257 777777777340 777777743162 000000035642 000000002424 000000016167 000000006302 000000000331
0097 000000014437 000000026026 0000000070514 000000133202 777777777202 777777777333 000000051424 000000035636
0145 000000010725 000000000654 000000010705 000000002737 000000002543 000000010454 777777775032 777777775062
0193 000000051620 000000035473 000000010460 000000010225 000000002735 000000010460 000000010575 000000000726
0241 000000002735 000001307755 000050010001

FILE 0001 REC 0005 CH 0258
0001 000050010001 000000003665 000000000552 000000000026 0000000034435 777777742005 777777777344 000000214477
0049 000000230257 777777777344 777777743330 000000036010 000000002413 000000016155 000000006450 000000000340
0097 000000014747 000000025516 0000000070204 000000132672 777777777160 777777777324 000000051571 000000036003
0145 000000011060 000000000661 000000011041 000000002745 000000003101 000000010521 777777774452 777777774441
0193 000000052053 000000035573 000000010346 000000010202 000000003310 000000010346 000000010700 000000000733
0241 000000003310 000001310613 000050010001

FILE 0001 REC 0006 CH 0258
0001 000050010001 000000003665 000000000553 000000000000 0000000034270 777777741640 777777777350 000000214477
0049 000000230257 777777777350 777777743475 000000036155 000000002403 000000016143 000000006615 000000000347
0097 000000015257 000000025206 0000000067674 000000132362 777777777136 777777777315 000000051737 000000036151
0145 000000011214 000000000666 000000011174 000000002753 000000003110 000000010662 777777774475 777777774442
0193 000000052222 000000035747 000000010232 000000010307 000000003316 000000010232 000000011002 000000000741
0241 000000003316 000001311415 000050010001

FILE 0001 REC 0007 CH 0258
0001 000050010001 000000003665 000000000553 000000000002 0000000034123 777777741473 777777777354 000000214477
0049 000000230257 777777777354 777777743643 000000036323 000000002372 000000016131 000000006763 000000000356
0097 000000015566 000000024677 0000000067365 000000132053 777777777115 777777777306 000000052104 000000036316
0145 000000011347 000000000674 000000011330 000000002761 000000002521 000000011122 777777775144 777777775136
0193 000000052275 000000036176 000000010116 000000010555 000000002710 000000010116 000000011103 000000000746
0241 000000002710 000001312160 000050010001

FILE 0001 REC 0008 CH 0258
0001 000050010001 000000003665 000000000553 000000000004 0000000033756 777777741326 777777777360 000000214477
0049 000000230257 777777777360 777777744010 000000036470 000000002361 000000016117 000000007130 000000000364
0097 000000016076 000000024367 0000000067055 000000131543 777777777074 777777777277 000000052251 000000036464
0145 000000011502 000000000701 000000011463 000000002767 000000001577 000000011405 777777776143 777777776240
0193 000000052324 000000036433 000000010000 000000011066 000000001722 000000010000 000000011202 000000000753
0241 000000001722 000001312421 000050010001

FILE 0001 REC 0009 CH 0258
0001 000050010001 000000003665 000000000553 000000000006 0000000033611 777777741160 777777777364 000000214477
0049 000000230257 777777777364 777777744156 000000036636 000000002351 000000016106 000000007276 000000000373
0097 000000016406 000000024057 0000000066545 000000131233 777777777054 777777777271 000000052417 000000036631
0145 000000011636 000000000705 000000011617 000000002775 000000000545 000000011624 777777777217 777777777455
0193 000000052411 000000036633 000000007661 000000011311 000000000607 000000007661 000000011300 000000000760
0241 000000000607 000001312344 000050010001

FILE 0001 REC 0018 CH 0258	0241 000000003744	000001322440	000050010001						
FILE 0001 REC 0019 CH 0258	0001 000050010001	000000003665	000000000554	000000000002	0000000031627	777777737176	777777777442	000000214477	
	0045 000000230257	777777777442	777777746144	000000040624	000000002235	000000015755	000000011264	000000000477	
	0097 000000022323	000000020142	000000062630	000000125316	777777776631	777777777204	000000054404	000000040617	
	0145 000000013467	000000000756	000000013452	000000003073	000000003071	000000013256	777777775110	7777777774536	
	0193 000000054665	000000040536	000000006144	000000011743	000000003260	000000006144	000000012340	000000001332	
	0241 000000003260	000001322642	000050010001						
FILE 0001 REC 0020 CH 0258	0001 000050010001	000000003665	000000000554	000000000004	0000000031462	777777737032	777777777447	000000214477	
	0045 000000230257	777777777447	777777746312	000000040772	000000002226	000000015746	000000011432	000000000506	
	0097 000000022633	000000017632	000000062320	000000125006	777777776614	777777777200	000000054551	000000040765	
	0145 000000013623	000000000762	000000013607	000000003101	000000002030	000000013534	777777775755	7777777776020	
	0193 000000054660	000000040746	000000006013	000000012261	000000002156	000000006013	000000012417	000000001035	
	0241 000000002156	000001322355	000050010001						
FILE 0001 REC 0021 CH 0258	0001 000050010001	000000003665	000000000554	000000000006	0000000031315	777777736666	777777777454	000000214477	
	0045 000000230257	777777777454	777777746457	000000041137	000000002220	000000015736	000000011577	000000000514	
	0097 000000023142	000000017323	000000062011	000000124477	777777776600	777777777174	000000054716	000000041132	
	0145 000000013760	000000000765	000000013744	000000003107	000000000656	000000013747	777777776664	777777777314	
	0193 000000054710	000000041133	000000005660	000000012503	000000000723	000000005660	000000012474	000000001040	
	0241 000000000723	000001321515	000050010001						
FILE 0001 REC 0022 CH 0258	0001 000050010001	000000003665	000000000554	000000000010	0000000031150	777777736521	777777777461	000000214477	
	0045 000000230257	777777777461	777777746624	000000041305	000000002211	000000015727	000000011744	000000000523	
	0097 000000023452	000000017013	000000061501	000000124167	777777776564	777777777170	000000055064	000000041277	
	0145 000000014115	000000000770	000000014101	000000003115	777777777732	000000014115	777777777370	000000000325	
	0193 000000055015	000000041301	000000005525	000000012602	777777777726	000000005525	000000012547	000000001043	
	0241 777777777726	000001320757	000050010001						
FILE 0001 REC 0023 CH 0258	0001 000050010001	000000003665	000000000554	000000000012	0000000031002	777777736356	777777777466	000000214477	
	0045 000000230257	777777777466	777777746772	000000041452	000000002203	000000015717	000000012112	000000000532	
	0097 000000023761	000000016504	000000061172	000000123660	777777776550	777777777165	000000055231	000000041445	
	0145 000000014252	000000000773	000000014237	000000003124	777777777442	000000014250	777777777543	000000000635	
	0193 000000055153	000000041445	000000005371	000000012647	777777777417	000000005371	000000012621	000000001045	
	0241 777777777417	000001320762	000050010001						
FILE 0001 REC 0024 CH 0258	0001 000050010001	000000003665	000000000554	000000000014	0000000030635	777777736212	777777777474	000000214477	
	0045 000000230257	777777777474	777777747137	000000041617	000000002174	000000015710	000000012257	000000000541	
	0097 000000024271	000000016174	000000060662	000000123350	777777776535	777777777161	000000055376	000000041612	
	0145 000000014410	000000000775	000000014375	000000003132	777777777630	000000014407	777777777373	000000000426	
	0193 000000055322	000000041613	000000005234	000000012724	777777777617	000000005234	000000012572	000000001050	
	0241 777777777617	000001321640	000050010001						
FILE 0001 REC 0025 CH 0258	0001 000050010001	000000003665	000000000554	000000000016	0000000030470	777777736050	777777777501	000000214477	
	0045 000000230257	777777777501	777777747304	000000041765	000000002166	000000015701	000000012424	000000000547	
	0097 000000024600	000000015665	000000060353	000000123041	777777776523	777777777156	000000055543	000000041760	
	0145 000000014545	000000001000	000000014532	000000003140	000000000410	000000014542	777777776764	777777777576	
	0193 000000055514	000000041761	000000005076	000000012764	000000000436	000000005076	000000012740	000000001052	
	0241 000000000436	000001323265	000050010001						
FILE 0001 REC 0026 CH 0258	0001 000050010001	000000003665	000000000554	000000000020	0000000030323	777777735706	777777777506	000000214477	
	0045 000000230257	777777777506	777777747452	000000042132	000000002160	000000015672	000000012572	000000000556	
	0097 000000025110	000000015355	000000060043	000000122531	777777776510	777777777154	000000055711	000000042125	
	0145 000000014703	000000001002	000000014670	000000003146	000000001427	000000014652	777777776233	7777777776475	
	0193 000000055753	000000042122	000000004740	000000012740	000000001526	000000004740	000000013006	000000001054	
	0241 000000001526	000001325234	000050010001						
FILE 0001 REC 0027 CH 0258	0001 000050010001	000000003665	000000000554	000000000022	0000000030156	777777735546	777777777514	000000214477	
	0045 000000230257	777777777514	777777747617	000000042277	000000002152	000000015663	000000012737	000000000565	
	0097 000000025417	000000015046	000000057534	000000122222	777777776477	777777777151	000000056056	000000042272	
	0145 000000015040	000000001004	000000015026	000000003155	000000002516	000000014732	777777775505	777777775326	

FILE 0001 REC 0009 CH 0258

FILE 0001 REC 0010 CH 0258

0001	000050010001	000000003665	000000000553	000000000010	0000000033444	777777741013	777777777370	000000214477
0049	000000230257	777777777370	777777744323	000000037003	000000002341	000000016075	000000007443	000000000412
0097	000000016716	000000023547	000000066235	000000130723	777777777033	777777777262	000000052564	000000036776
0145	000000011771	000000000712	000000011753	000000003003	777777777713	000000011771	000000000034	000000000427
0193	000000052544	000000037000	000000007541	000000011426	777777777706	000000007541	000000011374	000000000765
0241	777777777706	000001312234	000050010001					

FILE 0001 REC 0011 CH 0258

0001	000050010001	000000003665	000000000553	000000000012	0000000033277	777777740640	777777777374	000000214477
0049	000000230257	777777777374	777777744471	000000037151	000000002331	000000016063	000000007611	000000000411
0097	000000017226	000000023237	000000065725	000000130413	777777777013	777777777254	000000052731	000000037144
0145	000000012125	000000000717	000000012106	000000003012	777777777451	000000012122	0000000000241	000000000723
0193	000000052711	000000037141	000000007420	000000011514	777777777425	000000007420	000000011470	000000000772
0241	777777777425	000001312434	000050010001					

FILE 0001 REC 0012 CH 0258

0001	000050010001	000000003665	000000000553	000000000014	0000000033132	777777740501	777777777401	000000214477
0049	000000230257	777777777401	777777744636	000000037316	000000002321	000000016052	000000007756	000000000417
0097	000000017535	000000022730	000000065416	000000130104	777777777674	777777777247	000000053077	000000037311
0145	000000012261	000000000723	000000012242	000000003020	777777777622	000000012260	000000000041	000000000522
0193	000000053053	000000037312	000000007276	000000011612	777777777610	000000007276	000000011562	000000000777
0241	777777777610	000001313275	000050010001					

FILE 0001 REC 0013 CH 0258

0001	000050010001	000000003665	000000000553	000000000016	0000000032765	777777740334	777777777405	000000214477
0049	000000230257	777777777405	777777745004	000000037464	000000002311	000000016041	000000010124	000000000426
0097	000000020045	000000022420	000000065106	000000127574	7777777776754	777777777241	000000053244	000000037457
0145	000000012415	000000000727	000000012377	000000003026	000000000332	000000012412	777777777327	777777777713
0193	000000053225	000000037462	000000007153	000000011677	000000000356	000000007153	000000011652	000000000103
0241	000000000356	000001314506	000050010001					

FILE 0001 REC 0014 CH 0258

0001	000050010001	000000003665	000000000553	000000000020	0000000032620	777777740167	777777777412	000000214477
0049	000000230257	777777777412	777777745151	000000037631	000000002301	000000016030	000000010271	000000000435
0097	000000020355	000000022110	000000064576	000000127264	7777777776736	777777777234	000000053411	000000037624
0145	000000012551	000000000734	000000012533	000000003034	000000001262	000000012513	7777777776435	777777777640
0193	000000053435	000000037616	000000007027	000000011704	000000001361	000000007027	000000011741	0000000001007
0241	000000001361	000001316115	000050010001					

FILE 0001 REC 0015 CH 0258

0001	000050010001	000000003665	000000000553	000000000022	0000000032453	777777740022	777777777416	000000214477
0049	000000230257	777777777416	777777745317	000000037777	000000002272	000000016020	000000010437	000000000444
0097	000000020665	000000021500	000000064266	000000126754	7777777776717	777777777226	000000053556	000000037772
0145	000000012705	000000000740	000000012667	000000003042	000000002261	000000012555	7777777775533	7777777775515
0193	000000053715	000000037730	000000006702	000000011613	000000002426	000000006702	000000012027	0000000001013
0241	000000002426	000001317506	000050010001					

FILE 0001 REC 0016 CH 0258

0001	000050010001	000000003665	000000000553	000000000024	0000000032306	777777737655	777777777423	000000214477
0049	000000230257	777777777423	777777745464	000000040144	000000002263	000000016007	000000010604	000000000452
0097	000000021174	000000021271	000000063757	000000126445	7777777776701	777777777221	000000053724	000000040137
0145	000000013041	000000000744	000000013024	000000003050	000000003142	000000012601	7777777774766	7777777774527
0193	000000054217	000000040033	000000006554	000000011465	000000003337	000000006554	000000012114	0000000001017
0241	000000003337	000001320722	000050010001					

FILE 0001 REC 0017 CH 0258

0001	000050010001	000000003665	000000000553	000000000026	0000000032141	777777737510	777777777430	000000214477
0049	000000230257	777777777430	777777745632	000000040312	000000002253	000000015777	000000010752	000000000461
0097	000000021504	000000020761	000000063447	000000126135	7777777776663	777777777215	000000054071	000000040305
0145	000000013175	000000000747	000000013160	000000003056	000000003540	000000012654	7777777774472	7777777774055
0193	000000054467	000000040153	000000006425	000000011406	000000003746	000000006425	000000012177	0000000001023
0241	000000003746	000001321722	000050010001					

FILE 0001 REC 0018 CH 0258

0001	000050010001	000000003665	000000000554	000000000000	0000000031774	777777737343	777777777435	000000214477
0049	000000230257	777777777435	777777745777	000000040457	000000002244	000000015766	000000011117	000000000470
0097	000000022014	000000020451	000000063137	000000125625	7777777776646	777777777210	000000054236	000000040452
0145	000000013332	000000000753	000000013315	000000003065	000000003540	000000013020	7777777774522	7777777774100
0193	000000054634	000000040330	000000006275	000000011475	000000003744	000000006275	000000012260	0000000001926

FILE 0001 REC 0027 CH 0258	0193 000000056257	000000042260	000000004601	000000012610	000000002660	000000004601	000000013051	000000001056
	0241 000000002660	000001327221	000050010001					
FILE 0001 REC 0028 CH 0258	0001 000050010001	000000003665	000000000554	000000000024	0000000030011	777777735411	777777777522	000000214477
	0049 000000230257	777777777522	777777747764	000000042445	000000002144	000000015654	000000013104	000000000574
	0097 000000025727	000000014536	000000057224	000000121712	777777776465	777777777147	000000056223	000000042440
	0145 000000015176	000000001006	000000015165	000000003163	000000003454	000000015000	777777775101	777777774324
	0193 000000056577	000000042420	000000004441	000000012421	000000003637	000000004441	000000013113	000000001060
	0241 000000003637	000001330764	000050010001					
FILE 0001 REC 0029 CH 0258	0001 000050010001	000000003665	000000000554	000000000024	0000000027644	777777735263	777777777527	000000214477
	0049 000000230257	777777777527	777777750132	000000042612	000000002137	000000015646	000000013252	000000000602
	0097 000000026236	000000014227	000000056715	000000121403	777777776454	777777777145	000000056370	000000042605
	0145 000000015334	000000001010	000000015323	000000003171	000000004102	000000015073	777777774700	777777773660
	0193 000000057053	000000042567	000000004300	000000012306	000000004267	000000004300	000000013154	000000001061
	0241 000000004267	000001332152	000050010001					
FILE 0001 REC 0030 CH 0258	0001 000050010001	000000003665	000000000555	000000000000	0000000027477	777777735154	777777777535	000000214477
	0049 000000230257	777777777535	777777750277	000000042760	000000002131	000000015637	000000013417	000000000611
	0097 000000026545	000000013720	000000056406	000000121074	777777776444	777777777143	000000056536	000000042752
	0145 000000015473	000000001012	000000015462	000000003200	000000004071	000000015242	777777774735	777777773704
	0193 000000057214	000000042743	000000004137	000000012354	000000004255	000000004137	000000013213	000000001062
	0241 000000004255	000001332645	000050010001					
FILE 0001 REC 0031 CH 0258	0001 000050010001	000000003665	000000000555	000000000002	0000000027332	000000042664	777777777543	000000214477
	0049 000000230257	777777777543	777777750444	000000043117	000000002124	000000015631	000000013564	000000000620
	0097 000000027055	000000013410	000000056076	000000120564	777777776434	777777777141	000000056703	000000043120
	0145 000000015631	000000001014	000000015621	000000003206	000000003353	000000015465	777777775231	777777774463
	0193 000000057235	000000043120	000000003775	000000012614	000000003527	000000003775	000000013250	000000001064
	0241 000000003527	000001440355	000050010001					
FILE 0001 REC 0032 CH 0258	0001 000050010001	000000003665	000000000555	000000000004	0000000027164	000000042630	777777777551	000000214477
	0049 000000230257	777777777551	777777750611	7777777725030	000000002116	000000015623	000000013731	000000000627
	0097 000000027364	000000013101	000000055567	000000120255	777777776424	777777777140	000000057050	000000043265
	0145 000000015770	000000001015	000000015760	000000003214	000000002220	000000015717	777777775720	777777775671
	0193 000000057210	000000043267	000000003633	000000013130	000000002342	000000003633	000000013303	000000001065
	0241 000000002342	000001331210	000050010001					
FILE 0001 REC 0033 CH 0258	0001 000050010001	000000003665	000000000555	000000000006	0000000027017	000000042523	777777777557	000000214477
	0049 000000230257	777777777557	777777750757	777777735176	000000002111	000000015615	000000014077	000000000635
	0097 000000027673	000000012572	000000055260	000000117746	777777776415	777777777137	000000057215	000000043432
	0145 000000016127	000000001016	000000016117	000000003223	0000000000752	000000016120	777777776436	777777777204
	0193 000000057211	000000043432	000000003470	000000013341	000000001017	000000003470	000000013335	000000001065
	0241 000000001017	000001327642	000050010001					
FILE 0001 REC 0034 CH 0258	0001 000050010001	000000003665	000000000555	000000000010	0000000026652	000000042376	777777777564	000000214477
	0049 000000230257	777777777564	777777751124	777777735344	000000002104	000000015610	000000014244	000000000644
	0097 000000030203	000000012262	000000054750	000000117436	777777776406	777777777136	000000057362	000000043600
	0145 000000016266	000000001017	000000016256	000000003231	777777777755	000000016266	777777777013	000000000227
	0193 000000057272	000000043577	000000003324	000000013420	777777777754	000000003324	000000013365	000000001066
	0241 777777777754	000001326524	000050010001					
FILE 0001 REC 0035 CH 0258	0001 000050010001	000000003665	000000000555	000000000012	0000000026505	000000042241	777777777572	000000214477
	0049 000000230257	777777777572	777777751271	777777735511	000000002077	000000015603	000000014411	000000000653
	0097 000000030512	000000011753	000000054441	000000117127	777777776400	777777777135	000000057530	000000043745
	0145 000000016425	000000001020	000000016416	000000003237	777777777446	000000016424	777777777127	000000000541
	0193 000000057417	000000043745	000000003160	000000013442	777777777426	000000003160	000000013414	000000001066
	0241 777777777426	000001326345	000050010001					
FILE 0001 REC 0036 CH 0258	0001 000050010001	000000003665	000000000555	000000000014	0000000026340	000000042101	777777777601	000000214477
	0049 000000230257	777777777601	777777751436	777777735656	000000002073	000000015575	000000014556	000000000662
	0097 000000031021	000000011444	000000054132	000000116620	777777776372	777777777135	000000057675	000000044112

FILE 0001 REC 0036 CH C258	0145 000000016564	000000001021	000000016556	000000003246	777777777645	000000016564	777777777013	000000003332
	0193 000000057574	000000044111	000000003014	000000013473	777777777636	000000003014	000000013440	000000001066
	0241 777777777636	000001327253	000050010001					
FILE 0001 REC 0037 CH C258	0001 000050010001	000000003665	000000000555	000000000016	000000026173	000000041740	777777777607	000000214477
	0049 000000230257	777777777607	777777751604	777777736023	000000002066	000000015570	000000014724	000000000670
	0097 000000031331	000000011134	000000053622	0000000116310	7777777776364	777777777134	000000060042	000000044260
	0145 000000016724	000000001021	000000016716	000000003254	000000000457	000000016722	7777777776523	777777777504
	0193 000000060007	000000044256	000000002647	000000013505	000000000505	000000002647	000000013463	000000001066
	0241 000000000505	000001331103	000050010001					
FILE 0001 REC 0038 CH C258	0001 000050010001	000000003665	000000000555	000000000020	000000026026	000000041575	777777777615	000000214477
	0049 000000230257	777777777615	777777751751	777777736171	000000002062	000000015564	000000015071	000000000677
	0097 000000031640	000000010625	000000053313	0000000116001	7777777776357	777777777134	000000060207	000000044425
	0145 000000017064	000000001022	000000017056	000000003263	000000001541	000000017045	7777777776153	7777777776407
	0193 000000060267	000000044431	000000002502	000000013430	000000001632	000000002502	000000013504	000000001066
	0241 000000001632	000001333366	000050010001					
FILE 0001 REC 0039 CH C258	0001 000050010001	000000003665	000000000555	000000000022	000000025661	000000041432	777777777623	000000214477
	0049 000000230257	777777777623	777777752116	777777736336	000000002056	000000015557	000000015236	000000000706
	0097 000000032147	000000010316	000000053004	0000000115472	7777777776353	777777777135	000000060355	000000044572
	0145 000000017224	000000001022	000000017217	000000003271	000000002673	000000017154	7777777775621	7777777775251
	0193 000000060604	000000044620	000000002334	000000013243	000000003017	000000002334	000000013524	000000001066
	0241 000000003017	000001335720	000050010001					
FILE 0001 REC 0040 CH C258	0001 000050010001	000000003665	000000000555	000000000024	000000025514	000000041266	777777777631	000000214477
	0049 000000230257	777777777631	777777752263	777777736503	000000002051	000000015553	000000015403	000000000715
	0097 000000032456	000000010007	000000052475	0000000115163	7777777776347	777777777135	000000060522	000000044737
	0145 000000017364	000000001022	000000017357	000000003277	000000003664	000000017260	7777777775370	7777777774263
	0193 000000061121	000000045020	000000002166	000000013016	000000004021	000000002166	000000013542	000000001065
	0241 000000004021	000001337753	000050010001					
FILE 0001 REC 0041 CH C258	0001 000050010001	000000003665	000000000555	000000000026	000000025346	000000041122	777777777640	000000214477
	0049 000000230257	777777777640	777777752430	777777736650	000000002045	000000015547	000000013530	000000000723
	0097 000000032765	000000007500	000000052166	0000000114654	7777777776343	777777777136	000000060657	000000045105
	0145 000000017524	000000001021	000000017520	000000003306	000000004324	000000017402	7777777775270	7777777773635
	0193 000000061366	000000045216	000000002017	000000012653	000000004455	000000002017	000000013556	000000001064
	0241 000000004455	000001341260	000050010001					