

Data Set Catalog # 211

Explorer 34, Hourly Averaged Count Rates
67-051A-07D 1 tape

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

IMP-F

SPHE 00028

HOURLY AVERAGED COUNT RATES, TAPE

67-051A-07D

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 360 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
-----	-----	-----	-----	-----
DR005046	DS005046	D011543	1 - 4	05/24/67 - 05/03/69

REQ. AGENT
JCH

RASH NO.
RB3545

ACQ. AGENT
JHK

EXPLORER 34

67-051A-07D

This data set catalogue consists of Explorer 34 hourly averaged count rate data. It contains one experimenter-supplied tape, which is seven track, 800 BPI, IBM/360 binary format, with four files. Each logical record consists of 3120 eight-bit bytes and contains data for one day. There are six logical records per physical record, and one file for each calendar year of data on the tape. Data given on an hour by hour basis within each logical record include time, ephemeris data, and hourly averaged count rates for each of the five experiment counting modes. The break down of the files is as follows:

File 1: IMP-F data - May 24, 1967 - Dec. 31, 1967.

File 2: IMP-F data - Jan. 1, 1968 - Dec. 31, 1968.

File 3: IMP-F data - Jan. 1, 1969 - May 3, 1969.

File 4: File four contains the same IMP-F data contained in file 3, and IMP-G data for 1969 found in file 1 of a subsequent Explorer 41 tape

(69-053A-07C). Jan. 1, 1969 - Dec. 31, 1969.

IMP F is Jan 1, 1969 - May 3, 1969

IMP G is June 21, 1969 - Dec 31, 1969

D#

D-11543

C#

C-08862

B17795

67-071A-075
69-073A-07C

IMP F and G SPME Hourly Average Tapes

This note is based on an APL memo intended to describe the contents of the IMP F & G hourly average tapes. Briefly, the energy ranges corresponding to the channel designations used in the attached format statement are:

channel 1: 60 Mev, geometric factor: $6.28 \text{ cm}^2 \text{ ster}$
channel 2: 30 Mev, geometric factor: $6.28 \text{ cm}^2 \text{ ster}$
channel 3: 10 Mev, geometric factor: $0.80 \text{ cm}^2 \text{ ster}$
channel 4: 1-10 Mev protons, geometric factor: $1.7 \text{ cm}^2 \text{ ster}$
channel 5: 1-10 Mev/nucleon alphas, geometric factor: $1.7 \text{ cm}^2 \text{ ster}$ (not reliable on IMP-F)

These tapes have a logical record consisting of a day's worth of data: 24 hours plus two additional hours. The averages were originally processed on an orbit by orbit (4 days) basis; so, usually two orbits contain data for the same hour. The two extra slots are allotted to the partial averages from the two averages. If a change of orbit did not occur during a day then these slots contain zeroes. Since the average for the entire hour is placed into the proper position, these two extra columns of data can be ignored by the typical user. The data can be read into a Fortran array dimensioned HRLYAV (30, 26) and hours 1 through 24 of the day referenced by using 1 to 24 for the second subscript.

If an entire day of data is missing, then there will be no logical record for it. However, whenever data is missing for less than a full day, then the tape contains interpolated data in these positions. The user can identify this data by inspecting the samples associated with the average. If the number of samples equals minus one, then the average represents an interpolated value, if the number of samples equals zero, then there is no data for the hour and the last valid data was more than a day away. "Missing data" can be data that is truly missing for an entire hour (very seldom) or data that has been edited by the experimenters because it doesn't represent valid results.

The ephemeris associated with each hourly average represents data for the time closest to the beginning of the hour. Item 32 of each hour contains the first minute of the hour for which there was data. If the hour had no data at all, then there will be no ephemeris for it.

Table 1: IMP F & G Hourly Average Format

<u>ITEM</u>	<u>TYPE</u>	<u>BYTE SIZE</u>	<u>IDENTIFICATION</u>
1	integer	2	year
2	integer	2	day of year
3	integer	2	month
4	integer	2	day of month
5	integer	4	hour of day that average starts
6	real	4	geocentric longitude satellite posn. (degrees)
7	real	4	geocentric latitude satellite posn. (degrees)
8	real	4	radial distance from earth's center (km)
9	real	4	X solar ecliptic satellite posn. (km)
10	real	4	Y solar ecliptic satellite posn. (km)
11	real	4	Z solar ecliptic satellite posn. (km)
12	real	4	X solar magnetosphere satellite posn. (km)
13	real	4	Y solar magnetosphere satellite posn. (km)
14	real	4	Z solar magnetosphere satellite posn. (km)
15	real	4	LSEP (Sun-earth-probe angle in degrees)
16	real	4	L McIlwain magnetic shell radius
17	real	4	B magnetic field strength (gauss)
18	real	4	E/B ₀
19	real	4	Magnitude of velocity (km/sec)
20	real	4	R ₀ geomagnetic coordinate
21	real	4	latitude geomagnetic coordinate
22	real	4	channel 1's average - counts/sec
23	integer	4	number * of samples in average
24	real	4	channel 2's average - counts/sec
25	integer	4	number of samples in average
26	real	4	channel 3's average - counts/sec
27	integer	4	number of samples in average
28	real	4	channel 4's average - counts/sec
29	integer	4	number of samples in average
30	real	4	channel 5's average - counts/sec
31	integer	4	number of samples in average
32	integer	1	first minute of hour that there was data
33	integer	1	data flag**
34	integer	2	orbit number corresponding to the data
35	Repeat of items 1 thru 34 for another 25 times.		
Data can be read into a full word array AVS (30,26).			

* if the number of samples is -1, then the corresponding average is a value found by interpolation.

** The flag has the following values:

- 0 - no data for this hour
- 1 - data for this hour - in middle of an orbit
- 2 - data for this hour - first hour of an orbit, unaveraged with the previous orbit
- 3 - data for this hour - last hour of an orbit, unaveraged with the previous orbit
- 4 - data for this hour - weighted average of two orbits containing the same hour

45141521	C42A92C1	4267A798	41E0D4C5	308D6801	4113358C	4126786F	41D4C2A	C18A539E	41E79377
00000010	424AB8AA	00000012	425EBF10	00000022	43368091	0000001F	42158D04	0000001F	00010001
07AF0090	00050016	00000016	C24C6DA0	C215AFAD	4516C217	C4574823	45134039	C4AD7D25	C4574823
4515F60E	C426C8E8	4267DEEF	41F271A4	3D6B736E	41124DAB	4123C43E	41F1128A	C19FAA18	41E59883
00000012	424AB80D	00000014	4265195C	00000027	4347AD96	00000027	422060DE	00000026	00010001
07AF0090	00050018	00000017	C25AC4A4	C21440E1	45188823	C45F3E84	45151131	C4B1895F	C45F3E84
4517AD43	C42856DE	42680967	42104159	305572B2	4111F826	41217732	42102DC6	C193F2AF	41ED1DF3
00000015	4255B930	00000016	428DA469	00000027	43952EB0	0000002A	424B2D89	00000025	00010001
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
07AF0090	00050015	0000000E	C27245A9	C225AF96	441D8540	43580577	C416B95E	C411A993	43680577
C4139E30	C4150EF9	424C462C	41194048	403F1689	4131D060	41A18B68	4118CF24	C21CF8A4	42CE8048
0000000B	43328C5C	0000000A	4411BFD5	00000016	4319FFE5	00000014	41179560	00000014	1B020001
07AF0091	00050019	00000000	C269DE85	C212F456	451A4820	C466FF4D	4516DA1F	C4B4CCF4	C466FF4D
451950F8	C42FF92B	42682BF5	42116A48	3D45D16E	41120E22	411Fb19F	421158D4	C1964E52	41D06B22
00000010	424EAAEA	00000012	428E0799	00000023	439F961C	00000024	4252A9CB	00000024	03010001
07AF0091	00050019	00000001	C278647D	C211DBBE	451BDE76	C46DEFEC	45187682	C4B7270F	C46DEFEC
451ABD89	C43CC2F1	42684607	42128CE0	3D3B408A	41128488	411D9FE3	42127CB6	C1A4BBE0	41D8EC6D
00000011	42564EA5	00000013	42AE9AD5	00000024	43DE91C7	00000024	4276078A	00000023	03010001
07AF0091	00050019	00000002	C2864FC1	C210E804	451D4AE2	C4742BEB	4519EBEF	C4B8CCFF	C4742BEB
451BF6E2	C44D46A2	42685A03	4213AD83	3D33D07E	41135470	411C1E84	42139ECF	C1BB86BB	41DCD872
0000000E	425F133F	00000010	42E60658	0000001D	4413B68C	0000001B	42B89EB0	0000001D	00010001
07AF0091	00050019	00000003	C294F08F	C210A5EA	451EB514	C47A5496	451B5FDF	C4B9FC9A	C47A5496
451D1A82	C461FC16	42686AE5	4214EE73	3D2DEF85	4114A008	411AB044	4214E180	C1DA4657	41E61198
00000007	426C114A	00000011	431428BE	0000001D	411A8154	00000023	43109E8A	0000001E	00010001
07AF0091	00050019	00000004	C2A39821	C1F3458F	45200CE7	C48023A2	451CC1B5	C4B803B	C48023A2
451E1B10	C478E410	4268786E	42164559	3D296A44	4116661A	411961C8	421638CC	C1FD1341	41EB46D7
00000013	426FAEF3	00000011	4315F0D0	00000028	441EE4D8	00000026	4312F25A	00000023	00010001
07AF0091	00050019	00000005	C2824E08	C1E7318F	452163D0	C4859FF9	451E12DA	C4BAF673	C4859FF9
451EFF31	C48F40D5	4268833B	4217AFF9	3D25D09A	41189B74	41182DE6	4217AC34	C2120ADE	41F3FDD1
00000016	42842F15	00000016	4319F83D	0000002C	4427F42B	0000002C	43192C5C	0000002C	00010001
07AF0091	00050019	00000006	42A6132D	C1DBFABC	45228B01	C48ACF5B	451F5475	C4BADB3A	C48ACF5B
451FD1C2	C4A45322	426888C3	4219205A	3D22CFE6	11B09A2	4117109D	421927E9	C21418E0	42108D23
0000000B	429862C7	0000000D	431F23BD	0000001A	442F5FC8	0000001A	431CF51F	00000019	00010001
07AF0091	00050019	00000007	429838A5	C1D18131	45238383	C48FB6C6	45208788	C4BA688E	C48FB6C6
4520A0B2	C485F533	42689262	421A85E1	3D202D82	411D6515	4116065D	421A9944	C215D021	4212C0FC
00000015	42C760CD	00000014	432B4EC5	00000026	44457571	0000002C	432B4EFE	0000002B	00010001
07AF0091	00050019	00000008	42897416	C1C7AB29	4524CE3A	C4945A96	4521ACF1	C4B9A6DE	C4945A96
45217AE2	C4C27EB9	42689762	421BC185	3D1DC232	411F2782	41150DB0	421BE1E2	C216F8CB	42136C60
00000014	42CE9198	00000013	43306AD3	00000029	4465CEC1	00000029	4337FD14	00000028	00010001
07AF0091	00050019	00000009	427AAB3C	C1BE6384	4525DBEE	C498BE99	4522C571	C4B89D5C	C498BE99
45226D93	C4C8681C	42689AFE	421CB9E9	3D1B75AB	411FD0D3	4114235D	421CE1E7	C21770D5	4211F855
00000008	42C7851B	0000000B	43322878	00000014	447853C9	00000015	433C1906	00000016	00010001
07AF0091	00050019	0000000A	4268DED1	C1B598D5	4526CD4B	C49CE627	4523D1AE	C4B75241	C49CE627
45238182	C4C64E1C	42689D64	421D5ADE	3D194046	411F45F3	41134608	421D8305	C2172193	42109433
00000011	42B40512	00000012	432D88C7	00000026	44680023	00000024	4333E110	00000026	00010001
07AF0091	00050019	00000006	425D0EF1	C1AD3C45	4527D2EF	C4A0D454	4524D245	C4B5CAE8	C4A0D454
4524B80A	C4B8C5D3	42689EBD	421DA71C	3D171DC6	411D827B	41127438	421DC1F2	C21605AF	4210821C
00000010	42A985F8	00000012	432DA141	00000025	447FC945	00000025	433ED2D0	00000023	00010001
07AF0091	00050019	0000000C	424CE316	C1A48C43	4528D229	C4A4DFA2	4525DD7E	C4B3E0D0	C4A4DFA2
452627E6	C4A3665F	42689F27	421DA4D6	3D14E6F9	411AA8C3	41119B15	421DA3D1	C213F581	42100D5A
0000000B	42AEA646	0000000C	433360F7	00000017	449A3B98	00000016	434C4FDA	00000016	05010001
07AF0091	00050019	0000000D	423E0D86	C19CF029	4529B0F1	C4A85E1A	4526C74E	C4B1EA1F	C4A85E1A
45277EC9	C4837FAE	42689EAD	421D7325	3D1304E5	4117C888	411D09AF	421D6736	C2116748	41A96E22
0000000D	42572D51	0000000E	43158895	0000001C	44A765C4	0000001A	433584D2	0000001B	05010001
07AF0091	00050019	0000000E	422F35B2	C195A16F	452A8578	C4AEA49E	4527A6E3	C4AFC013	C4BAA49E
4528BF9E	C45B3A7D	42689D7A	421D3675	3D115293	411524BF	4110289E	421D1920	C1E5EB08	418A484E
0000000F	4238F357	0000000F	42C7C5ED	0000001B	446CF8A3	0000001D	431E0C33	0000001B	05010001
07AF0091	00050019	0000000F	42205BDC	C18E9829	452B5020	C4AEC727	45287C9C	C4AD71EF	C4AEC727
4529D105	C42D74CF	42689BA1	421D0717	3CFDA97D	4112FC4C	40F7B26A	421CDF52	C1B095E2	4182D66B
00000007	422C3354	00000008	429A1810	00000010	4453D880	00000012	4318EE08	00000010	05010001
07AF0091	00050019	00000010	4211805B	C187CDB7	452C113F	C4B1B576	452948CB	C4AAF6A5	C4B1B576
452AA502	431D3C5D	42689932	421CF864	3CEA3C74	41116D7F	40ED4A6F	421CCD32	C1797D0F	41791D60
00000003	4233EA3A	00000006	427521D2	00000008	4444F341	0000000B	43153D43	00000009	05010001

452B3ECE	442E563C	4268963B	4210166B	3CDAEB30	1107C9A	40E34918	421CEAD4	C143AC0C	4181C41B
00000007	42301139	00000007	42BF0E82	00000010	444CTJ51	00000010	431892D1	00000011	06010001
07AF0091	00050019	00000012	C188EC19	C1782680	4320705F	C4B6F0C5	452ABDB3	C4A5AFD1	C4B6F0C5
4E28ABC3	4452DA62	426892F3	421057AA	3CCF8F3D	41100F6D	40DA1523	42103193	C1143527	4178777F
00000011	4228C512	00000011	428318E0	00000021	4441FC76	00000022	431618A4	00000022	03010001
07AF0091	00050019	00000013	C21818E9	C174AE1F	452E1E6E	C4B97807	45287715	C4A2A6D6	C4B97807
452C1226	44717F9D	42688EE6	4210C554	3CC68884	41100781	40D05DF8	421DA325	411E8380	416E8EFA
00000000	42250F1D	0000000E	4295E524	0000001C	44364D8D	0000001D	4311871C	0000001D	05010001
07AF0091	00050019	00000014	C228A2E3	C16F339B	452EAE47	C4B88C88	452C10E8	C49FE6B3	C4B88C88
452C6FD3	448306E0	42688803	421E363E	3CC03844	411038A8	40C835AE	421E15FB	413732D0	415F3F50
00000011	42134D3F	00000010	424B5F68	00000021	4419DD4A	00000022	4284FB0F	00000022	00010001
07AF0091	00050019	00000015	00000000	00000000	00000000	00000104	848567C2	3832	42141888
10414508	0D224214	44B32533	0DC05845	28797805	940C8A08	C0690408	88452709	4A4C18B5	4151F230
0000000F	419FBF13	00000010	421AF482	0000001D	4385CDC9	0000001E	4227619D	0000001C	03010001
07AF0091	00050019	00000016	C24668B9	C163943D	452FD2F3	C4BFA83C	452D4B68	C4998328	C4BFA83C
452D7849	448AA26C	42688168	421F1D68	3C849A41	4110A5D6	40B726C1	421F00E2	415929F1	41502FD0
00000009	418CD699	0000000C	42156481	0000001B	43661555	00000017	42189F5A	00000018	00010001
07AF0091	00050019	00000017	C2554D09	C15DF700	45305963	C4C17DC7	452DDCAC	C49627FC	C4C17DC7
452E21A0	447F4B0F	42687C1C	421F6F6E	3CAEF270	4110A138	40AF0E14	421F54E4	41574D0E	414C836B
FFFFFFFF	4188ABDC	FFFFFFFF	42138DBB	00000003	435D75E3	FFFFFFFF	421967C2	FFFFFFFF	00010001
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
07AF0092	0005001A	00000000	C26CFFDD	C15544C9	45311F71	C4C41E6B	452EB3D2	C49C9CD9	C4C41E6B
452F393F	445B8B4F	42687314	421FC430	3CA6184D	41104AE0	40A2BDD1	421FADE1	4133AF57	4148D705
FFFFFFFF	41848120	00000001	42126302	00000001	4354D673	FFFFFFFF	4217302A	FFFFFFFF	23010001
07AF0092	0005001A	00000001	C277D5D9	C1516167	453173A4	C4C5344E	452F0FC6	C48DFF55	C4C5344E
452FB1C4	44456206	42686E38	421FE366	3CA26AD2	41101DAB	409D570A	421FCFE5	41266266	41452AF9
00000001	41E41674	00000004	42118E88	00000006	434C37D0	00000004	4214F8C8	00000003	13010001
07AF0092	0005001A	00000002	C282AC30	C14D6AC0	4531C3F1	C4C6380F	452F67C8	C48B5715	C4C6380F
45301E31	442CA009	42686A3A	4220082C	3C9F3342	411002D8	4098148F	421FF6CA	40CD31F1	414A45AC
00000008	418B8E5B	0000000D	4214C86E	00000016	43530A78	00000012	421770E6	00000019	03010001
07AF0092	0005001A	00000003	C290E624	C14892E9	4532277E	C4C771F4	452FDF63	C487C7F4	C4C771F4
453093A4	43984486	42686423	42204A05	3C98E641	41100F56	4091648C	42203878	C1157071	414FT22A
00000006	4192F328	00000006	42178EDE	0000000B	43614FD2	0000000B	421E28F2	0000000B	00010001
07AF0092	00000000	00000004	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	414FEE96
FFFFFFFF	4186F382	FFFFFFFF	421252A5	FFFFFFFF	435077FC	FFFFFFFF	4218C794	FFFFFFFF	00000000
07AF0092	0005001A	00000005	C28374D6	C13CCD15	4532FE31	C4C9EFFB	4530C427	C47ED63F	C4C9EFFB
45313147	C44978C5	4268547F	42216165	3C988402	41115BDB	40823351	42215D69	C17D3C97	4150680E
0000000E	417AF2BC	0000000F	41DD5F91	0000001E	433F9E90	0000001E	421365B5	0000001E	13010001
07AF0092	0005001A	00000006	42AA60AC	C1396861	4533362D	C4CA8AFF	4531031D	C47C2161	C4CA8AFF
453145E8	C45E0901	42684FAF	4221CE11	3C986934	41120463	407E071E	4221CF35	C1982903	4150C254
00000016	417DB93E	00000016	4210DA38	0000002C	43551FA7	0000002C	421A2219	0C00002C	00010001
07AF0092	0005001A	00000007	429B774D	C1347AF9	4533827E	C4C85430	45315993	C4781A3F	C4C85430
45315DAC	C4766818	42684876	4222713F	3C986E6A	41130EE6	407E2AD9	42227B18	C1B430DD	414E87E7
00000011	417B6182	00000013	4210AEE6	00000025	435AAD4A	00000027	421C9F22	00000026	00010001
07AF0092	0005001A	00000008	428C8D88	C12F9B45	4533C7FE	C4CFE8E8	4531A91A	C4740225	C4CFE8E8
45317B35	C4863194	4268410E	4223024A	3C982E14	4113FBDA	4072A228	4223155C	C1D34DDA	414FCFE8
00000016	416FFA0B	00000013	41D2A7EC	00000028	434AE55C	00000026	42158D34	00000029	00010001
07AF0092	0005001A	00000009	427DA36A	C12AC7CD	453403BE	C4CC882B	4531F1C2	C46FD9E8	C4CC882B
4531AB26	C48BCDD0	42683979	4223689D	3C973B58	411490AC	406D734D	4223830C	C1E14EC6	414CC81D
00000016	41707716	00000016	41CA73C5	0000002C	43498D57	0000002C	4215A0D2	0000002C	00010001
07AF0092	0005001A	0000000A	426E88F9	C125FF27	45343ECD	C4CCF9F0	4532339A	C46BA255	C4CCF9F0
4531F410	C485F946	42683188	42239ABA	3C955A5B	4114A0BB	4068A5AF	4223B0C4	C1E2C83F	414E8FE3
00000016	41715FD3	00000016	41D5703A	0000002C	4343EA0B	0000002C	421560DE	0000002C	00010001
07AF0092	0005001A	0000000B	425FCE3C	C1213FFB	4534703B	C4CD4B7E	45326EAE	C4675C2F	C4CD4B7E
45325369	C473E435	426829CE	42238C14	3C928929	4114242E	406441EE	42239A33	C1D74F36	414D1F62
00000016	416C903F	00000016	41C61D6E	0000002C	433BFD1F	0000002C	4212A5AC	0000002C	00010001
07AF0092	0005001A	0000000C	4250E353	C11C88FF	45349B12	C4CD8041	4532A309	C4630830	C4CD8041
45328BBD	C4556B8A	426821BC	42234C11	3C8EFF52	41133E3D	406051BA	42234C5D	C1BF67AB	414691C0

C42A73D7	4480986D	42A320C0	421AE714	303AD331	41381413	4117A072	421AC8FE	421F40D3	41365B50
CC000016	414000CE	00000016	40346C96	0000002C	4019C12C	0000002C	3F355554	0000002C	00010039
C7B1016B	000C001D	0000000E	429F0D05	42263918	451D4638	C518FC12	C435B23F	447E933A	C518FC12
C42BF26D	44824872	42A2EE13	421937CD	3D417F64	4133608A	411902E7	42190FCA	421DFDA9	41385392
00000016	413D196D	00000016	403AC9AE	0000002C	4015D170	0000002C	3F564553	FFFFFFFF	00010039
C7B1016B	000C001D	0000001E	4290E2FE	422768FA	451BF097	C51A9A21	C43235A6	4481F0EA	C51A9A21
C42E8D5E	44834886	42A1E083	4217DB1F	3D44767E	41317F39	411A8693	4217A9C5	421D5C0E	413839CC
FFFFFFFF	413F5591	0000001D	403A4802	FFFFFFFF	401769L7	FFFFFFFF	3F413553	FFFFFFFF	00010039
C7B1016B	000C001D	00000010	4281F3E4	4228B70F	451A9F89	C5192083	C42E95AF	4484DC31	C5192083
C431DE99	4483A990	42A08366	4216C7A6	30568FC8	4132351D	411C31FC	42168E62	421D77BB	4138202D
00000014	413DCAE4	00000014	4039C719	00000027	4018FFFC	00000028	3F471C70	00000027	00010039
C7B1016B	000C001D	00000011	427313FF	422A2A8A	45192A99	C5178DB6	C42ACFE5	44873F61	C5178DB6
C4356DE6	44836A4E	429F5F2D	4215F7D5	3D67F465	4135F5B3	411E0E40	4215B891	421E6444	4148E1CC
00000016	413E1F41	00000016	4036D932	0000002C	401EB297	00000026	3F407F00	0000002B	00010039
C7B1016B	000C001D	00000012	42643657	4228CD52	45179E88	C515DDCA	C426DFA8	4488FE68	C515DDCA
C438B81F	44829E87	429DDA53	42156C32	3D80B13E	413DF270	412027E1	421529CF	42202DAE	413866F7
00000016	413EF499	00000016	403D3649	0000002C	401F3649	0000002C	3F26C9B1	0000002C	00010039
C7B1016B	000C001D	00000013	4255621C	422D6297	4515EFAA	C5140DRF	C422C17F	4489F3DF	C5140DRF
C43B3721	44815A9A	429C16D6	42152C35	3DA57A14	414CE5DA	412290C8	4214C86E	4222DA5E	4137147C
00000015	413C1486	00000015	403A185C	0000002A	401B5128	00000029	3F4230C1	0000002A	00010039
C7B1016B	000C001D	00000014	42454569	423018AE	4513F735	C511E9A5	C41E07FB	4489DC49	C511E9A5
C43C6E0F	447E7F5C	4299CA1D	42155368	3DE5486A	416CE0A1	4125AB77	42151C5B	4226CCF6	41343CCA
00000013	413D9FA8	00000013	4041F225	00000025	40188FB3	00000026	3F3F3179	FFFFFFFF	06010039
C7B1016B	000C001D	00000015	42374274	4232A93F	45121784	C4FDFA96	C419AB1D	448882ED	C4FDFA96
C438B6DC	447D69C0	4297535E	4215FA36	3E1425A3	41A7896C	4128F49F	4215D6D9	422B2A07	41364289
00000012	413C25DD	00000011	403F3CF0	00000023	40193947	FFFFFFFF	3F323231	00000022	03010039
C7B1016B	000C001D	00000016	422963E7	4235D8E8	4510DD9	C4DA65A0	C4130E75	44859064	C4DA65A0
C438E823	447AA7C7	42943CEB	42176E01	3E1E521A	421319FA	412D05C0	42176ED7	423072A1	4134E48D
00000011	413CA621	00000012	403D763F	00000024	4019E1DE	00000022	3F249248	00000023	00010039
C7B1016B	000C001D	00000017	4218A22B	423B37F9	4503E141	C4A92D9A	C3EED9C7	447EAF43	C4A92D9A
C431ECAE	447562B7	428EFBE0	4218A237	3E39C336	423BA0B3	4133D378	421BFC4F	42388C0A	4138402D
0000001D	413D32E4	0000001D	4040FFFE	0000002D	40201552	0000002D	3F5D555C	0000002D	0B010039
000									

C444738A	C470E2B7	42A84231	421FA865	3D16379D	4122834C	40C24C0A	421FA556	4218A55F	41393913
0000000F	41490L3A	0000000F	400640B0	0000001D	42425C29	0000001D	405CDAF3	00C0001D	0001003A
C7B1016D	000C001F	00000006	C2549E90	41D6D718	4529352D	C5286D24	C4495193	C468A905	C5286D24
C44B6434	C4672DAA	42A8D0F5	42201E46	3D157FFA	4122E08F	40B84621	4220181B	4218C35E	41374BC4
FFFFFFFF	4140393A	0000000F	4111D86D	00000023	427F2F1F	FFFFFFFF	41127DAE	FFFFFFFF	0001003A
C7B1016D	000C001F	00000007	C263A05A	41DFEB64	4529AAAC	C528F214	C44968FA	C4039D04	C528F214
C4508349	C45DA260	42A95328	42201D29	3D14A637	41217BD1	40AEC78A	422015D1	421F08D3	4135615B
00000012	414587DA	00000011	411237B4	00000024	42PLA649	00000023	411F1A66	00000022	0001003A
C7B1016D	000C001F	00000008	C272A203	41E8CF0D	452A161A	C5296C1F	C449698B	C45DD653	C5296C1F
C453ACEC	C454D03B	42A9CEFE	421FBD0D	3D13B597	411EDA0B	40A5D1C2	421FB62F	42169A32	41363029
00000010	414905A8	00000010	4110F1C6	0000001E	43113E4A	0000001F	41222E42	FFFFFFFF	0001003A
C7B1016D	000C001F	00000009	C2832158	41F26374	452A80D2	C529E5F5	C4495172	C457B8CC	C529E5F5
C4551C05	C44C632B	42AA5246	421F1400	3D1244D8	411B6669	409C9A28	421F0EEB	42145EC4	413922D9
00000010	4148AEOA	0000000E	40F67384	0000001F	431265AF	00000020	41254220	0000001F	0601003A
C7B1016D	000C001F	0000000A	C290A63C	41FA1B38	452ACF38	C52A4053	C4492AA2	C452A1F6	C52A4053
C454D456	C4469B9A	42AABA25	421E7D88	3D11C092	4118B524	40959062	421E782E	421236CD	413A60C2
00000013	414772D3	00000013	40EA62B5	00000026	4312DC66	00000026	412C8497	00000026	0001003A
C7B1016D	000C001F	0000000B	C29FA836	421028D4	452B1DD6	C52A9ACD	C448EC4D	C44CE876	C52A9ACD
C45370F0	C44158C0	42AB298D	421DE561	3D10F4E2	41162FA1	408E531F	421DDE91	41FACC3E	4135B44F
00000012	41442632	00000012	40E73CDB	00000023	43149911	00000024	41292E4E	00000024	0001003A
C7B1016D	000C001F	0000000C	C28C07B6	4210BA37	452B6884	C52AF1D7	C44891F5	C446949F	C52AF1D7
C450EE04	C43CD08A	42AB9E5C	421D63D9	3D102E6A	41141CC5	40872990	421D5AB1	41CF7640	4139265D
00000013	41427E06	00000013	40C970F9	00000025	4315957F	00000026	412A9728	00000025	0601003A
C7B1016D	000C001F	0000000D	42A9A48C	421157F3	452BA0C6	C52B3421	C448306C	C440FAE0	C52B3421
C44E2886	C439A992	42AC0065	421D1701	3CFA57B1	4112DB52	408192CB	421D0B3E	41AD7C82	4132E02F
00000012	41406C3E	00000010	40CE1857	00000023	4315205E	FFFFFFFF	41250BB4	00000021	0301003A
C7B1016D	000C001F	0000000E	429B50F3	42118483	452B00A1	C52B6D4A	C447BE34	C43B537C	C52B6D4A
C44B14C0	C4370A5B	42AC5E58	421CE96E	3CF3E080	41120912	407CAB4B	421CDC60	4191BCC3	41375581
00000014	414212B9	00000015	4033FFED	0000002A	4314AA8D	0000002A	4126C2CD	00000027	0001003A
C7B1016D	000C001F	0000000F	428C4E83	421235EA	452BF9D6	C52B9F75	C4473525	C43559D1	C52B9F75
C447BF73	C4349F42	42ACBC1E	421CD5CE	3CEFAAC9	41118AD0	40785264	421CC61C	417D8B35	41352AD3
00000014	413F8AE4	00000014	40B9AA8C	00000028	4313A79E	00000028	4123BEF0	00000026	0001003A
C7B1016D	000C								