

DATA SET CATALOG #160

68-109A-00D

1 tape

HEOS-A1 BIN EPHEMERIS

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

XXNO-00146

HEOS 1
EPHEMERIS TAPE
68-109A-00D

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 AN IBM 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE D NUMBER AND TIME SPAN ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR003949	DS003949	D005518	1-2	12/05/68 - 09/06/70

HEOS (68-109A-00D)

This data set contains one tape that is 800 BPI, Binary, odd parity, 7 track, two files, and made on the S/360. The logical record length is 36 bytes with a block size of 3604. There are 100 logical records per physical record.

To calculate the time period one must take the whole day portion of the double precision word (leave the decimal alone) and convert it to decimal. Subtract 5 from the answer to take care of the leap years since 1950, which is the base year. The whole part of the result gives one the number of years to add to the base year to give the year of the data. The decimal portion must be multiplied by 365 to get the Julian date.

The master tape is D-5518 and the dupe is C-4134. The time span covered is 12/05/68 - 09/06/70.

HEOS (68-109A-00D) DATA FORMAT

Word 1 - Physical control word

2 - Logical control word

3-4 - Date (time in modified Julian date)*

5-6 - X Position in meters (initial coordinate system)

7-8 - Y Position in meters (initial coordinate system)

9-10 - Z Position in meters (initial coordinate system)

.

.

.

.

.

.

* modified Julian date is calculated in days from base year 1950.

FCC79300 00240000 441807C2 AAAAAA91
 C6ACF6A7 A4BDF6A0 C7A6A61A A5002791
 00C355D6 475A5E7C 4A45A4C6 00240000
 00240000 44180802 AAAAAA90 C6A13A39
 C610BEE1 B95F16D3 74BC00E8 4178C03A
 AF3B1ED6 476233FA 7F4E1E53 00240000
 00240000 44180857 7C7C4C6A AB8A31D3
 80771113 A79A558B 470A1A9C 00240000
 80741816 47A55F8D 470A1A9C 00240000
 00240000 44180840 55555533 A5E31B7F
 471058A0 0499147E C74B50E0 902E5031
 E336A3A8 4756E83C 1300A1FE 00240000
 00240000 44180902 AAAAAA95 4716D712
 4718E9A8 3FC639F1 C74B50E0 5F030B83
 1420953E 47555530 7AD0FABC 00240000
 00240000 44180927 7FEFFEE0 471ED0A8
 47209705 701A45C0 C7A6A6D0 0711CAH3
 8F70D3C2 47602566 110CB8A3 00240000
 00240000 44180949 55555534 4755E629
 47277668 1A1A0D56 57A6A225 246E405C
 0F4B5650 4753471E 4906AC2B 00240000
 00240000 44180A02 AAAAAA94 4720B851
 4720C933 F0477A63 C74B1EE3 A440E56A
 47603442 474C1749 C59294A8 00240000
 94949000 474B0A97 474B0A97 00240000
 47212623 A510558B 474B0A97 00240000
 00240000 44180C68 C0AF1150 00240000
 00240000 44180A40 55555533 472DE513
 00240000 4725418A C7A6A6D0 4A9739E1
 10E0E28A 4725418A C7A6A6D0 00240000
 00240000 44180A0A AAAAAA94 471FAE7A
 4710181A 00157A7F C626C15D 04107A57
 50E8A37A 465FE023 27BFE0A8 00240000
 00240000 44180B57 7FEFFEE0 C71C2533
 C71E5135 061C6A30 C7A7A20C A600D023
 471B6558 47C4C4A8 94A4A6D0 00240000
 00240000 44180B40 5555552C C71C1023
 C71A1A60 00290176 C77A5A0C D0C01483
 00A73A4F 47422F06 3ECC94E5 00240000
 00240000 44180C02 AAAAAA93 C7151543
 C7142FE0 000A2FAC C7A7A20C 91E4E6C4
 9E50A93C 4731721C 2115B4D0 00240000
 00240000 44180957 C71C102A C6B0A035
 C6A818FA 0E3E30F0 C7A7A20C 4630A335
 70A5A39F 47592A7A C7A6A6D0 00240000
 00240000 44180C40 55555534 C6A7A20C
 C6A7A20C 47592A7A C7A6A6D0 00240000
 00240000 4418095A 7FEFFEE0 C71C1023
 47058A4F 4750378E C71C102C 01A4E293
 4705E8A3 4750378E 01A4E293 00240000
 00240000 44180957 7FEFFEE0 46E9A93A
 4710E338 4750378E C71C102C 0229E703
 4726F29C 476010CF 1E1E430A 00240000
 00240000 44180940 55555524 47173C34
 471943D9 70C2A330 C72C4763 A4BDF6C0
 46E30FE6 476A307E 072A6067 00240000
 00240000 44180F02 AAAAAA78 4711FE1E
 4720F031 75A0000C C7151543 47343A82
 3E1FC01C 475F7A5E 21DC1F03 00240000
 4720F031 470B9F57 7FEFFEE0 472A10D0
 472A2226 1158CA0C C7A6A6D0 A4017E18
 262E3640 4757674E 46D011A0 00240000
 00240000 44180FA0 58E43220 47109A67

47589F54 C7A6A6D0 00240000 44180737
 44180737 55555534 C6A7A20C A40B1336
 36A5286C 74131A93 F4130505 475FEA21
 44180840 47589F54 C7A6A6D0 44180820
 44180840 AAAAAA81 55555521 00A0C556
 474E4494 C7A6A6D0 AAAAAA81 476A5A2E
 47583C02 7130B081 00240000 44180482
 44180897 55555534 46B6E497 31513E29
 C6C0B0E5 5757302A 09C3E081 4766C093
 1768E150 08639081 00240000 44180807
 44180840 55555537 4718A8A1 10E1A282
 1A6213E3 4740D554 7A65E035 47665824
 4758C43E 37C6F02B 00240000 44180320
 44180942 AAAAAA86 471C8E05 C676A080
 A40A7A00 C716D5D0 B2371092 47A2F84C
 4718A87A 617A61A3 00240000 44180932
 44180947 7FEFFEE0 476A307E 061046A4
 40A30A8E 475A5AEE 061046A4 4756E545
 475A6326 810A0C20 00240000 44180907
 44180923 55555533 472A9A18 47167E99
 57836FE3 C7976E77 E10D1107 47A295AF

RECORD 000002,LENGTH 03604 , FILE 002 .

00140000 00240000 44180A17 7FEFFEE0
 55555532 4720B851 37C71A00 C7B8325A
 C78A10AA F0E10039 47466574 806C4A7E
 A4390F48 00240000 44180A50 55555531
 AAAAAA86 472F4A20 405E4A8A C7B8325A
 C761AD34 0A11E6A5 471651E4 5A533A60
 A4109F4A AAAAAA84 471651E4 AAAAAA83
 C7E1F5DA 4729E393 3E2A09A7 C710540C
 4720C5DA A46E4030 4719CC4C 0423E00F
 20F5E8D0 C74B1017 44180A17 7FEFFEE0
 55555529 C714C431 44457239 C6A7C0C6
 C725E687 4760E4A4 47139331 686E3A9F
 21C9A6A3 47180940 44180A02 55555529
 AAAAAA82 C71E1531 06A83A00 C75A037D
 C760E776 A663C145 4732C678 0675D05E
 43EED093 00240000 44180A82 AAAAAA81
 7FEFFEE0 C74B1017 47230F30 C7700135
 C78A051D 26D510FF 4746E655 01D0DC8A
 C49A034C 00240000 44180E17 7FEFFEE0
 5555552A C7111735 53247C32 C73A40E0
 C79D0432 A74B7C6A 475A24C7 C6A13E45
 C69C60A6 00240000 44180C80 55555529
 AAAAAA76 C6B8E77E 5A9A4377 C7A87A9A
 C7A71F0C 20E22A51 475D958E 003A6018
 C70E7E3F 00240000 44180C62 AAAAAA79
 7FEFFEE0 45E12B1C 3081A326 C77101AC
 C7999092 02242354 47539184 1551B09A
 40A2E782 32A60F30 47100017 7FEFFEE0
 55555536 AAAAAA81 1A2A40A3 C7A6A6D0
 C79C7710 6A893080 476E7733 001A4517
 A418E241 00240000 44180A83 55555529
 AAAAAA74 471971C1 C5C6E030 C73E1F37
 C7B53294 C06C1470 47606A33 221D0FE6
 0947E20C 00240000 44180A02 AAAAAA79
 7FEFFEE0 C71A09B5 40E0A02A C7A8A163
 C70B8415 B0E02F33 47A3A585 938237C5
 C6A7A20C 00240000 44180E17 7FEFFEE0
 55555522 472C233A 10090374 C710381E
 C7A71F0F 00240000 475DA650 397A900A
 FC442789 00240000 44180E00 55555531
 AAAAAA78 47291374 1736C23A C7A0B650
 09D0734C 051CC205 4745A286 F0D1A2C9

1
 0
 2816
 4096
 6913

RECORD 000003.

4111DE 4A859430 00943000 41112525
 411277 FEEFEE4B 41129243 41044262
 12C76E 42391C75 20C04600 47638530
 251454 5555550C 00340400 41112347
 11C15D 5555550C 4722487F 55566439
 460904 C7A510E9 97A29473 47503A71
 08A056 765703E7 07201000 41113100
 112732 AAAA4A63 47201940 22C25562
 50B08E 07C600A0 521040FF 47504140
 147272 5418A090 47201000 41113562
 411777 FEEFEE4B 47201A00 47547640
 203032 073A1E56 52151502 47460487
 297370 67528745 00943000 41118107
 4113CD 5555550C 472E25E8 41118062
 F79A33 761585E5 7F1E1E40 47730040
 41137D 073A1E56 47201000 41101400
 411432 AAAA4A65 47203708 47030A01
 7E314E C72C468C 8D501400 411705A5
 760470 4A84709A 00943000 4111A592
 411777 FEEFEE4B C715E4E4 41C050A4
 31866E 7279191A 4A411556 41159CCC
 4114C0 8A4E1438 00340400 41118147
 1164C0 55555507 7C1E141E 6451870F
 31646C 7604092A 76285A40 47448614
 4A4906 76565142 00340400 4111550E
 115522 AAAA4A5B 471A0A2C 41D50D05
 009430 07A72A6C 33864969 4781A1A0
 06C16C 46CA3A91 02400000 41115652
 415777 FEEFEE4B 7C100E11 AA8A130E
 0A4A72 C709E219 4E8550A2 47580A2A
 29A577 720748F3 00943000 41115907

54D00049 00240000 44107247 FFFFE631
85554306 C6A14344 41500476 C7AA42E8
C7AC015E 42200C75 47650014 A408BFE8
34AF296B 00240000 44107300 55554385
AAAA0004 45652335 85050773 C7AC0E6A
C7AA0488 26E17AA7 47523656 F9529014
FA873502 00240000 44107352 AAAA0009
FFFFE62E 46A06759 46E87540 C7A64931
C7A307BC AAAA1310 47E87431 D01D21C0
PE14556A 00240000 44107357 FFFFE62D
55554382 47146585 181E457C C7993E43
C793404F 41690021 47250043 2E132C4C
65B900FE 00240000 44107400 55554361
AAAA0006 471CA090 440D0090 C72E3032
C776C107 40470C27 46FEA31E 46E87540
60914136 00240000 44107402 AAAA0008
FFFFE62A 47207350 42E08E74 C75C0A01
C7A7600E 4242033A 26E05432 44107403
041F43C1 00240000 44107437 FFFFE629
85554364 47146585 06261622 C6905636
44117005 06F864FF C6E26E41 4753927C
545E7962 00240000 44107503 5555437D
AAAA0002 C7231263 511421C1 C6503105
C6505E89 F8B2B763 4742033A F8015E68
3EF3D8E1 00240000 44107502 AAAA0001
FFFFE626 C72E344A 463E363E C7273AA2
C73162E6 C70E0543 47535456 0A2D0A0E
9010E068 00240000 44107537 FFFFE625
5555437A C72FA039 3411703A C74D2743
C7557A8A 06F41033 47255582 7A8E0C5A
02D09304 00240000 44107600 55554377
AAAA000E C729H441 40458242 C760E104
C772A14D 61635132 4770033E 44A40002
0607158D 00240000 44107602 AAAA0004
FFFE6C02 C72E2343 C9C0C07C 47548923
C73697F4 00400002 47479738 08D0FDA9
4ACDFE11 00240000 44107607 FFFFE621
5555437C C71C037E 430E053A C795E26A
C79A3101 AC2C1AE5 177A5253 BAC55609
099CF314 00240000 44107700 85554475
AAAA03CA C7139139 15352035 C7A1DC43
C7A62295 04144523 475E0602 F8C4B4C8
59B7B8A3 00240000 44107702 AAAA0009
FFFFE61E C6905639 2E424555 07A4E5CE
C7AB054H 15C17397 47525C99 6033A5A3
AFEDC19F 00240000 44107747 FFFFE61D
55554372 45B8702A C713A5A3 C7A5B705
C7AADE04 7E9AC034 47517A13 4749B411
BC9AEC15 00240000 44107800 55554371
AAAA0006 66344347 740E6661 C7A5A046
C7A2C105 02B69522 473D2993 1A7A39E9
BA2E461A 00240000 44107802 AAAA0005
FFFE661A C7146F363 4746393C C79AFACC
C79B8A0A 2E759911 47257670 0703163C
96435A17
RECORD 000077,LENGTH= 03604 , FILE 002 ,
01440000 00240000 44107837 FFFFE615
8555436E 47102407 41A86699 C7074355
C7740036 19F1234C 16A0A80C 01B835E5
60B11493 00240000 44107900 5555435D
AAAA00C2 47210350 476AF508 C7525C7C
C7435AA1 48AFC91C C7106E46 7A7E778A
47222930 00240000 44107902 AAAA0001
FFFE6106 4711302A 4639F395 C622D094
471B5AAA 65504812 C6C9C1103 09940005

60CA53C3 8364771E C7A9A346 0EAF1D55
C8A57ED3 4766548D 4672D0F1 00240000
00240000 4410772F FFFFE630 C7A6FF9A
C625555C 2EFC0DFA C7AC61ED C86C04CE
EEA544E3 475747E1 3C0E7131 00240000
00240000 44107340 55554404 45B77851
43803339 C13C564D C7A6FFEE 050E70E2
C6E6E567 4744033A F864C6D0 00240000
00240000 44107342 AAAA0008 460F73A1
47219A9F 8B1D0047 C720C632 00240000
8C477157 47231355 0A75322D 00240000
00240000 44107446 FFFFE62C 47140D55
471A33A3 0118CA7E C7A61534 56FAAB91
765A43A2 47143A0E 429D1A74 00240000
00240000 4410734D 35554380 471F918F
4720B7F4 1B8F4A94 C7625B36 14A15A19
F8B11130 C590A1A1 2B415C9F 00240000
00240000 44107442 AAAA0004 471F0AC6
4716B500 49C1371C C721FD13 CECB3923
386E101 C7149A00 8FB815E3 00240000
00240000 4410747F FFFFE628 C6A93C07
C71HC413 976AA6CC 4714590A APC1AD0C
7E4FB77C 4734557E CA155F0E 00240000
00240000 4410754D 5555447C C7245805
C72D314C 3D8AC04C C71C4A6A EC5E7A14
A6181305 4750E0B6 0281D12E 00240000
00240000 44107542 AAAA0009 C7311801
C7400A20 2168463E C7464618 00240000
A0C50A70 47725000 00240000 C4C3C604
00240000 44107567 FFFFE62A C72E101A
C7310040 54E11030 C7600991 44A558CE
8474F8A9 4740004F C6509F0C C7281055
00240000 44107660 56564978 C7281055
C726F680 65F6000C C72EDAAA F4B808A2
00470822 4770D072 C2D62A87 00240000
00240000 441076A2 AAAA000C C7213041
C71E159A 6A700F90 C792E282 5552EE73
0013C060 47A7471B 250F4582 00240000
00240000 4410767F FFFFE620 C7186153
C7160497 00040304 C7A12E77 4220504E
DEA7EA83 87243990 97E8A13F 00240000
00240000 44107740 55554374 C6A4A211
C6C1335A 3D8FC130 C7491333 09CA37A5
95B6611D 4766049F 46E77922 00240000
00240000 44107742 AAAA0009 C6A3FE03
C6145853 23C4545F C7AACA09 00240000
3C124215 475D7828 050D0000 00240000
00240000 441077E7 FFFFE61C 460E615A
453A5A22 6EE340A6 C7A7CC8A 9FAC85BA
7C7E1360 47424A64 411C354A 00240000
00240000 44107340 55554370 471036B3
471A2A28 CF0D4C68 C74B0005 5F80A40E
A5C831A6 4733D246 53B8A72D 00240000
00240000 441073A2 AAAA0004 C7135EA3
471B546E 9C0CFF18 C734FAAF C01BC628
60AF522D 47113137 C7AFA028 00240000
00240000 441073E7 FFFFE618 471F6F9E
4720C8AA C76C0417 C75F3E5A AB0A4302
DAEA021A C6A2EFA5 EA2D0598 00240000
00240000 44107940 5555486C 471E10C2
471A434A 0C1AA158 C71C9C00 47F810C2
BA413027 C7109D02 C7109D02 00240000
00240000 44107942 AAAA0001 C712E29C
471B7F43 55451557 00240000 441073C0
441073E2 AAAA0008 C676554F 4730A347
00240000 C7AC0A9D 0E2F7805 463D9A16
473B79E8 F0744103 00240000 44107423
44107447 C7A6FF9A 47523656 C7AC0E6A
00240000 C7A6FF9A 47523656 C7AC0E6A
47307448 5C4E0553 00240000 44107377
44107380 85554481 460A26C5 C6256644
34A5E51D C7A0376C 6A0A3787 473D2F61
47337216 4953CE92 00240000 441073C0
44107345 AAAA0007 47161A42 AAA82870
AAAA1168 C7A03A55 568D0E51 4721D87E
471A8427 C6C80B6 00240000 44107423
44107447 FFFFE62B 471E458E 8669D091
53673435 C70E5630 940E4704 46029C4F
C6105E4D C810E597 00240000 44107477
44107480 55554487 4720938C 8E502A00
00240000 C7160A10 0242458F C71612C2
C710E73B C7A32C03 00240000 441074C0
44107492 AAAA0003 4648A436 7A0D54E4
73116368 47103068 226F0A36 4610C344
47229506 36433026 00240000 44107522
44107537 FFFFE627 C7A03C01 311085A0
A05E4A0C C711C74E C7AC4A8A 47A01367
47504505 19F70F4D 00240000 44107557
44107580 55554470 C72EC41E C926FF45
C72E0A1E 00240000 46CFF136 476E2E5A
475E8041 17580041 00240000 441075C0
44107552 AAAA000C C72E0067 370A0D70
10EE4A50 C7654134 40D0E541 47283309
47A7A767 40B5E088 00240000 44107622
44107637 FFFFE623 C72A4A80 ADFE43A2
00CE109F C774E142 05B8E575 4710379A
47E139C6 6A658D28 00240000 44107677
44107710 55554487 C7233E54 095550FE
AED6A50A C7AEB62F 20B15E70 477C002E
441071CE F5A02030 00240000 441076C0
441076E2 AAAA0008 C71A3039 50928A41
1C0DF03C C72E3490 6EAFD909 4776E931
47A8C020 8C030515 00240000 44107722
45107777 FFFFE615 C7113390 71BAAAC2
30A43A15 C7A82005 56E8134C 475CA10C
8759239A C4050715 00240000 44107777
44107780 55554473 C66F3C6A 00D0D119
66711537 C7AC1E2B A7BC05FA 475E73E3
475E45A4 8A572908 00240000 441077C0
44117773 AAAA0007 4637A0C4 075EC406
0A5CDAE7 C7A9188C 3C0E4140 C71C0331
47A73AA2 4F22A77E 00240000 44107822
44107837 FFFFE61E 46BDA36D 5F05A3A2
FA0A2C55 C70E68F1 680E3338 47378631
47180672 40B03995 00240000 44107877
44107890 55554866 C5D0C76A 8C21E872
3C4C4588 C78C4134 72DCE355 471E155B

5555A00A C72AF03C 03C90C4F 46A284FF
C679D010 0F595793 47A411C3 02F503C2
4D050A3C 00240000 441D7A0D 5553A159
AAAA000E C72F7445 0F16893A C72A8309
C73C2681 33D15509 3765C3BA 2A655258
0P0A1D10 00240000 441D7A52 AAAA000D
FFFFF612 C72F8FAA 45A497A2 C7A3D0B8
C75672C2 17171A5A 4776535F 75843957
92F65929 00240000 441D7A37 FFFFF611
5555A166 C72A1533 FFA03539 C75C8320
C7735C94 CFF25A35 47705357 684323E1
0A8118CA 00240000 441D730D 5555A355
AAAA001A C7252331 5220704F C7A1F44F
C78A1417 F6A50355 47709C73 37A61534
11519A8E 00240000 441D7453 AAAA0009
FFFFF610 C71C1557 338A7A5A C707A753
C70AF1C5 44133336 C7A0A772 4770101A
C6B8E30F 00240000 441D7347 FFFFF630
5555A102 C7135232 4AC8184F C7A3E122
C7A62AC1 0EBB4373 476F04A3 A2556A5H
3FA44260 00240000 441D7C0D 5553A161
AAAA0016 C6536387 38A1C269 C7AA4A75
C7A95614 F0121A81 4751B121 30293713
9AA31014 00240000 441D7C62 AAAA00B5
FFFFF5D0 351A9C4A 1C4A3C33 C7A3239A
C7AA3013 4FAF5F13 475055CF 38D42C50
92B8A587 00240000 441D7C17 FFFFF5D9
5555A158 408B6C26 41A3A436 C7A4A19A
C7A1991F 34A9F9A5 4738B3C9 30DFA031
420A4348 00240000 441D7009 5555A159
AAAA00D2 C715843A 9200A480 C705527F
C78F7288 40224033 4723C265 4294C836
5A711104 00240000 441D7352 AAAA0011
FFFFF606 471D8C21 53487A85 C72A3905
C771A193 AAA91335 43D037A5 F61D70A0
0C4FF5EA 00240000 441D7347 FFFFF603
5555A15A 47211243 7510529C C74E2167
C7350163 C7333635 C7205055 D16260A5
E4A0239D 00240000 441D7020 5555A159
AAAA004E 45D01943 33F8A292 465F3282
47100D10 0A10B383 55225425 C6A47021
D0B89358 00240000 441D7052 AAAA0A93
FFFFF602 C72564C0 403A5F89 4613E3A5
C6A5A59F B8C813A3 47A79626 53A6F60C
53B12558 00240000 441D7E37 FFFFF601
5555A855 C7303332 405601C5 C72AF307
C73A720B 70303453 4767A92F 8CA10E60
40C1658F 00240000 441D73D3 5555A159
AAAA00A0 C7305A14 30E4508A C7A3FF8A
C75821D3 A2AFA74C 477265C0 9ACB0F30
4C4A05D2 00240000 441D7567 AAAA0A97
FFFFF5E6 C72C153C 8E77A37F C76E14A6
C7A792FA 45A38D173 470311AB B8F8A838
00D614E4 00240000 441D7347 FFFFF5D9
5555A152 C723A603 3293E37F 7785CF5F
C7A8F77D 133E3E42 47D0747C 6C48E436
0E11CA73 00240000 441D8009 5553A151
AAAA00A9 C71C1170 712F14FA C7051442
C7918A94 38E0D025 47783A05 7C05133E
60F02A5A 00240000 441D8052 AAAA0A93
FFFFF5C4 C7134495 36E2302A C7A43AC9
C7A65DAA 36A0742C 476E6337 2A601730
71E1A172 1D5E0000 441D8037 FFFFF5C2
5555A148 C6909295 500E4A71 C7A00033
C7A83A7A 70D02538 4750A91D 1D03A16A
C7A00033
03FEA451 73378135 FAP2A9A7 00240000
00240000 441D79E7 FFFFF514 C72C1F2E
C72E2316 F04FE2C2 C711C0D6 2A7C30D4
A0B8A566 475F7251 12B8FE1C 00240000
00240000 441D7A4D 5555A868 C73075A0
C7305441 A0C3A5FE C7A5D060 8A81242F
3220332C 4773A477 C8BCC378 00240000
00240000 441D7AA2 AAAA0A8C C72FA665
C72D25CA 60D75A8C C7653AA8 A285E465
1D93FA5D 477C80A1 FFA3A86A 00240000
00240000 441D7A7F FFFFF610 C728C005
C72722E6 0A930009 C77F763C 7E499024
004F7654 477E159C 6A9627ED 00240000
00240000 441D7349 5555A864 C7272810
C71D055A 38FA977E C7A01100 79A01307
1B90E357 477A3333 A7A8A3E5 00240000
00240000 441D7A82 AAAA0A8C 1E1A3A33
C715CF3C 03621440 67A1A599 00A01B02
7A0A0B20 4771C97E 272CFE00 00240000
00240000 441D77E7 FFFFF60C C6E582F8
C68CC340 3A33FE83 C7A98C8C 11A45F81
01835A23 7255C302 3C0D636F 00240000
00240000 441D7C4D 5555A860 C63FA740
C6157792 00E32420 C7A3A549 62A29CEA
B3AF3411 473A45A0 1E8D7A41 00240000
00240000 441D76A2 AAAA0A84 4653C8A9
4522B140 4E137446 C7A6E538 6820A37E
A27C0546 47133072 01E5FFA0 00240000
00240000 441D70C7 FFFFF603 4710C6CA
4713455D 401A450E C7A0A246 4131A5A3
CA117B87 47A0A037 5330UC74 00240000
00240000 441D704D 5555A85C 4719F6A7
471E337D 01260D03 C7A2B1E4 32081115
987A3040 46F0170E 94A4A25F 00240000
00240000 441D70A2 AAAA0038 47203954
47291338 4E4FA413 C7A6A0A8 00240000
00240000 441D7159 5555A85C 00240000
471A0744 0E2231C17 C711F51C EA10D053
8D232A43 C71A955A 4A0A52E8 00240000
00240000 441D7A40 35A3A353 C715A033
C7207E4D 4A9A9540 4ACDF3E9 E8A279A2
C7057589 473A120C 43CA9A21 00240000
00240000 441D7E4E AAAA0A9C 472037A2
C72F11EF 3F0A0A94 C720B385 D733AC41
C6E92558 4761A5ED 9ACD97A3 00240000
00240000 441D7EE7 FFFFF603 C711077F
C73D8002 0129A0A6 C7A76C6E 887C0D28
C6B01A05 47713593 3D23333A 00240000
00240000 441D7A4D 5555A354 C7309E1A
C73D7D58 0D5A4E44 C67239A5 7A0A9A5E
32D6AC61 477CC153 25A3C47F 00240000
00240000 441D7A2E AAAA0A97 C72A8F05
C727245D A03F4661 C7A025A3 0A4C1A61
5C2AA8A5 4772265E 456B7973 00240000
00240000 441D76F7 FFFFF5FC 71313644
C71FD073 A5D0A0DC C7A93826 88D0A421
1E68D054 477A0342 11888F8E 00240000
00240000 441D949D 355A135D C7132717
C715451E 2A533653 C7A1A636 42A41A6E
1D853497 47714193 2A818090 00240000
00240000 441D7A34 AAAA0A9A C653F23D
4A1A4A78 43C13336 C7A07D5E AB8CAAA7
72E1A40C 476A5226 C691D0A4 00240000
00240000 441D90F7 FFFFF5FC C63C1F66
441D79E2 AFAAA01F C7291145 0A17A1E5
555F30A0 C7140C5A 26FAA91A 47A737FE
475A109C 35733A97 00240000 441D7A22
441D7A37 FFFFF613 C7A301FE C86C4C4D
C72A7E6F C73C1881 93C81A8E 71061048
476F7A15 14332427 C0A45900 441D7A77
441D7A1D 5555A867 C73F371C 62A6CF96
555C47A7 C785F50FA 810A5E83 4778D9C8
477A0341 5001B26B 00240000 441D7AC0
441D7A29 AAAA008F C72A5C01 D0B8E9C8
C1E3FA30 C7797907 0031A9A4 070F9F55
477E3A86 4A5C6C46 00240000 441D7A22
441D7337 FFFFF60F C7233430 7F131902
2A8F181F C72E5D60 C6B8A768 477C60F0
477A151E 45A10147 441D7032 441D7032
00240000 441D7A08 771AA008 30B8A5A1
43A03001 C7205A6F 48A02021 47765030
477A4A87 31A50586 C0A40000 441D79C0
441D75E2 AAAA0007 C710C194 114E5340
3125A452 C7A30007 52BA70EA 75E5F44D
476A8A90 0B3AFA89 00240000 441D7C22
441D7C37 FFFFF60A C66A4339 4A4A7E2A
A0503F15 C7ABAA59 4118FCDF 475D8A91
475D5633 1A9E442E 00240000 441D7C77
441D7C8D 5555A35F 41E3C675 6E1E7057
F35A4A79 E2A8C4E1 D8A29F7C 47A87177
476C7165 3A0A4A68 00240000 441D7CDD
441D7CE2 AAAA0A83 4A6A400E B2A4B281
2E0C0345 C70F1ED0 5801F450 47160506
470A13C0 C6A6E102 00240000 441D7D32
441D7D42 FFFFF607 471D09A4 0AAB0E89
C61A5D1A C78B8376 7F45E745 471D49A8
471A5A00 0B26C0C0 00240000 441D7077
441D7D4D 5555A85B 471E3E4A C7E5553C
47E0D00C C7267849 45A10145 461D7030
47E0D00C 47E0D00C 00240000 441D7020
441D7959 AAAA0A9E 47203954 1A875057
80107E29 C72A834E A51E9A6C C71A6F4A
471A8A40 33F376D0 00240000 441D7E22
441D7E37 FFFFF603 C66B3532 C30CE15F
0DAA45EF 471A6797 1F1309A4 771759FC
472A9A1F 2C9A90A8 00240000 441D7E77
441D7ED0 5555A857 C72A5A90 0B315A0
21F85A2F C7159F80 6A8D8A81 4751A758
47A5A2A3 9A505950 00240000 441D7E5D
441D7E62 AAAA0A8E C73D0D96 3A351118
277A7A90 C71E70DA C6C0DFA4 4765E757
4720A584 0A810A94 00240000 441D7E22
441D7E37 FFFFF5FF C72F0918 00C02E98
005CA201 C725D08A 0A8615E1 47798A50
478C9109 1D8A6A0C 00240000 441D7E77
00240000 5555A853 C72A3A00 96C77A9C
4E3E3A7F C7A8A63E 00240000 441D7E22
477E3A86 3A2E2444 00240000 441D7E22
441D7E22 AAAA0A87 C723A70F 755E3A0C
87C0E0D7 C7A8A565 007AFA2B 477E3A86
4778200A 6A95A60C 00240000 441D8022
441D8037 FFFFF60F 71A4A172 555A1333
5A1A5C97 C70C0D66 00240000 477A3000
47A257C8 2A6A3A0A 00240000 441D8077
441D8093 5555A849 471D0C0F B2A0E567
20F18A7A C7A8D262 96A8A626 76A05181
4767F0C6 17A8A8A9 00240000 441D80CD
441D80E2 AAAA0A94 C6A662F1 4AEE6FCB
500A1363 C7A8729A 0000B840 475C9CA3

RECORD 00007H, LENGTH= 0036A, FILE 002.

01560000 00240000 441D8100 55554340
 AAAA00A2 4618C0B1 1E302401 C7AAA30A
 C7A9923A 467F0096 474F329B 30FF5150
 5EE0F307 00240000 441D8162 AAAA00A1
 FFFFF5E2 46C0AA2A 3A429747 C7A37FA3
 C7A05EC2 068F0A3D 371A3811 FA04F3E7
 4DD5648E 00240000 441D8137 FFFFF5E5
 5555484A 471BDC9B 09CC22E1 C703A004

C611349F 7H048B20 C7A841AD EC38CB81
 0AE55504 4753E3AC 68A78F0F 00240000
 00240000 441D814D 5555484C 466D5A0A
 46973DE1 65025308 C7A6066F 373A0553
 2FB18BA1 473FD42B DBE4FACA 00240000
 00240000 441D81A2 AAAA00A0 47111657
 47138455 79734F8C C798BA87 A6231963
 0C95FDF5 472455F9 575DEFE9A

47585C92 B3CEC8D2 00240000 441D8122
 441D8137 FFFFF5E7 464324ED FFFFC3ED
 FAD478E3 C7A80A83 F2E1F661 47A0A0E9
 47A52A50 DAE5C07A 00240000 441D8177
 441B84B0 5655A81E 46F97341 84045F08
 9D9228A2 C70C8114 E8FF3D8F 471486A7
 472E91A0 230D0432 00240000 441D81CD

END OF FILE 002, THE NUMBER OF UNCORRECTABLE ERRORS IS 0000, THE NUMBER OF RECORDS IS 000078.

1D81= 9/6/70

1D81= 4096
 3328
 128
 1
 75531