

Data Set Catalog #132

Ariel -III
Electron temperature

67-042A-01A

1 tape

D-06432 - C-04968

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

ARIEL 3

ELECTRON TEMPERATURES, TAPE

67-042A-01A

This data set has been restored. There was originally one 7-track, 800 BPI tape written in BCD. There is one restored tape written in ASCII. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a 7094 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
-----	-----	-----	-----	-----
DR004501	DS004501	D006432	1	05/05/67 - 10/12/67

o Read errors occurred in records 12860, 20157, 20177, & 20196 of file 1.

ARIEL III
ELECTRON TEMPERATURE
67-042A-01A

D-06432

C-04968

Time Span

May 5, 1967 thru October 12, 1967

Tape is 800, BPI, BCD, 7 Track, 1 File

Date: August 4, 1971
To: Data Repository
From: ADP Services
Subject: Ariel III tapes D-00265, D-00266, C-04867 and
C-04868

Please release D-00265, D-00266, C-04867 and C-04868.
These tapes have been sorted and merged onto D-06432 and
C-04968.

RA 6482

SATELLITE NAME:

ARIEL III

DATE:

JULY 13, 1971

OBJECTIVE:

To sort the ARIEL III data set in chronological order.

DESCRIPTION:

There were two Ariel III tapes comprising the data set. These tapes were merged to one tape 800 BPI and a program was written to deformat the physical records in order to sort the records in chronological order. (See Appendix A for new tape format). After this program the sort utility was used to sort on physical record Cols. ~~1-13~~⁷⁻¹³ to order by date/time.

INPUT:
TAPE

One 800 BPI, 7 track BCD tape is input to this program. The data format is the original format described in documentation. Input unit is A5.

OUTPUT:
TAPE

One output tape is produced with 800 BPI, 7 Track BCD with deformed physical records. (See Appendix A for new format) This tape is input to the sort utility. Output unit is A6.

PRINTOUT:

Check-point messages appear for every group of physical records de-formed on A3.

APPENDIX A

NEW RECORD FORMAT

<u>COL(S)</u>	<u>DESCRIPTION</u>	<u>FORMAT</u>
1-2	Run number	I2
2-3	File number	I2
5-6	# of physical records in group	I2
7-8	year	I2
9-11	day	I3
12-13	hour	I2
14-15	minitrack station	I2
16-18	Buffer tape number	I3
19	Tape error code	I1
20-22	# of data records	I3
23-25	# of tape alarms	I3
26-35	Universal time	F10.8
36-42	Latitude	F7.3
43-50	Longitude	F8.3
51-54	Electron Temperature	I4
55-83	Same as 26-54	
84-112	Same as 26-54	
113-141	Same as 26-54	
142-170	Same as 26-54	

67 MA/5

- 18 34367125 0 8 10215 00.56572171-50.129 -52.96645500.96604486-48.462 -52.39545360.9663680
-51.86745500.96669112-48.718 -51.17845500.96701430-43.441 -50.9234536
- 18 34367125 0 8 10215 00.56732745-91.760 -50.49945500.96766050-49.077 -50.10345500.9679821
-49.72145500.96820665-26.764 -49.38245500.96863004-35.015 -49.0534550
- 18 34367125 0 8 10215 00.56852219-33.323 -48.74145500.96827634-31.629 -48.44643650.9685994
-48.16642720.96882262-22.238 -47.8542720.97024578-26.540 -47.6434209
- 18 34367125 0 8 10215 00.57052693-24.840 -47.35942260.97089208-23.140 -47.16441320.9712152
-46.92841150.97152857-19.735 -46.72045500.97186152-18.032 -46.5084536
- 18 34367125 0 8 10215 00.57212467-16.327 -46.30345500.97250782-14.622 -46.10445500.9728300
-45.90945500.97315411-11.205 -45.71945500.97347726 -9.501 -45.5324550
- 18 34367125 0 8 10215 00.57380041 -7.798 -45.34845500.97412356 -6.084 -45.16045500.9744467
-44.96745500.97476918 -2.666 -44.80845500.97509300 -0.956 -44.6314536
- 18 34367125 0 8 10215 00.57541615 0.754 -44.40345500.97573930 2.464 -44.27643500.9760624
-44.09745500.97638519 5.885 -42.91045500.97670874 7.596 -43.7364550
- 18 34367125 0 8 10215 00.57700189 9.306 -43.55245500.97735504 11.017 -43.36545500.9776781
-42.17445500.97800122 14.437 -42.97545500.97832448 16.146 -42.7804550
- 18 34367125 0 8 10215 00.57864763 17.656 -42.57545500.97897078 18.564 -42.36345500.9792939
-41.18545500.97961717 22.060 -41.91845360.97994022 24.687 -41.6834550
- 18 34367125 0 8 10215 00.58022337 26.193 -41.43845500.98058652 28.089 -41.18245500.9809096
-40.01445040.98123281 31.506 -40.83345500.98155556 33.208 -40.3374458
- 18 34367125 0 8 10215 00.58189511 34.908 -40.02434520.98220226 36.607 -39.69420720.9825254
-29.24223550.98284855 40.000 -38.57024650.98317170 41.693 -38.0712591
- 18 34367125 0 8 10215 00.58345485 43.384 -38.14527320.98381600 45.072 -37.68828940.9841411
-27.15625670.98448425 46.439 -26.0532010.98478744 50.117 -36.0892435
- 18 34367125 0 8 10215 00.58511059 51.790 -35.46236680.98543374 53.459 -34.77938260.9857568
-24.02635470.98608012 56.779 -32.2635470.98640318 58.422 -32.2943993
- 18 34367125 0 8 10215 00.58672233 60.068 -31.28245500.98704948 61.698 -30.15243490.9873776
-20.86345360.98769572 64.618 -17.45045500.98801892 66.592 -25.8214536
- 18 34367125 0 8 10215 00.58831829 78.319 72.60345500.99351244 77.280 79.16345500.9938355
64.07245500.99415812 74.876 69.28345500.99448188 73.433 93.1514550
- 18 34367125 0 8 10215 00.58991781 75.309 -8.50645500.99028096 76.555 -3.90245500.9906041
1.55645500.99092722 78.657 8.91045500.99125040 79.433 17.0294536
- 18 34367125 0 8 10215 00.59157355 79.967 26.22245360.99189670 80.216 26.16545360.9922194
46.21945360.99254255 79.804 28.04545360.99286614 79.176 64.8894550
- 18 34367125 0 8 10215 00.59320261 55.924 112.47545500.99835956 54.236 113.27745500.9986828
114.00445500.99900555 50.835 114.60645500.99932910 49.132 116.2784550
- 18 34367125 0 8 10215 00.59480503 71.994 96.41345500.99512818 70.503 99.18445500.9954513
101.55645500.99577447 67.408 102.60345500.99609782 65.818 105.3824550
- 18 34367125 0 8 10215 00.59642077 64.206 106.94045500.99674392 62.576 108.31445500.9970670

57817-22.643 126.07245501.01290132-24.391 16.82845501.01387076-29.622 127.1034536	126.31445361.01322447-26.137	REC	1. LENGTH	174
34207 68.066 -23.95545500.98866522 69.603 -16.37345500.98903466 73.972 -12.9154550	-21.80345500.98898837 71.105	REC	2. LENGTH	174
72171-50.129 -52.96645500.98604486-48.462 -51.37845500.96701430-43.441 -50.9234536	-52.39545360.98636801-46.792	REC	3. LENGTH	174
32745-41.760 -50.49945500.98766060-40.077 -45.38245500.98863004-39.015 -49.0534565	-50.10345500.98798275-38.392	REC	4. LENGTH	174
55219-33.323 -48.74145500.96927634-31.629 -47.85842720.97024578-26.540 -47.6434209	-48.44643650.98959949-29.934	REC	5. LENGTH	174
56693-24.840 -47.35942260.97089208-23.140 -46.72045500.97186152-18.032 -46.5084536	-47.16441320.97121523-21.438	REC	6. LENGTH	174
18467-16.327 -46.30345500.97250762-14.622 -45.71945500.97347726 -9.501 -45.5324550	-46.10445500.97283097-12.915	REC	7. LENGTH	174
50041 -7.798 -45.34845500.97412356 -6.084 -44.80845500.97509300 -0.956 -44.6314536	-45.16045500.97444671 -4.375	REC	8. LENGTH	174
41615 0.754 -44.45345500.97573930 2.464 -42.91645500.97670874 7.596 -43.7364550	-44.27645500.97606245 4.176	REC	9. LENGTH	174
02189 9.306 -43.55245500.97739504 11.017 -42.97945500.97834468 16.140 -42.7604550	-43.36545500.97767819 12.727	REC	10. LENGTH	174
-4763 17.856 -42.67545360.97897078 19.564 -41.91845360.97994022 24.687 -41.6834550	-42.36345500.97929393 21.273	REC	11. LENGTH	174
7837 26.393 -41.43845500.98058652 28.099 -40.62345500.98155596 33.208 -40.3374558	-41.18245500.98090967 29.803	REC	12. LENGTH	174
7511 34.908 -40.02434620.98220226 36.607 16.97024660.98317170 41.693 -38.5712591	-39.69420720.98262541 38.304	REC	13. LENGTH	174
45485 43.384 -38.14527320.98381800 45.072 -36.66522010.98478794 50.117 -36.0892435	-37.68828940.98414115 42.757	REC	14. LENGTH	174
11059 31.790 -35.46236680.98543374 53.459 -33.20025470.98640318 58.428 -32.2943993	-34.77938260.98575689 55.122	REC	15. LENGTH	174
2633 60.068 -31.28245500.98704948 61.698 27.45045500.98801892 66.503 -25.8214536	-30.15243490.98737263 63.316	REC	16. LENGTH	174
6929 78.319 72.60345500.99351244 77.280 69.26345500.99448128 73.433 93.1514550	79.16345500.99383559 76.099	REC	17. LENGTH	174
6783 75.309 -8.90645500.99028096 76.955 8.91045500.99125090 79.433 17.0294536	-31.90245500.99060411 77.683	REC	18. LENGTH	174
7355 79.967 26.22245360.99189670 80.216 26.04545360.99286614 79.176 64.8894550	36.16545360.99221985 80.161	REC	19. LENGTH	174
7261 85.924 112.47545500.99835966 54.236 14.66645500.99932910 49.132 115.2784550	113.27745500.99868281 52.541	REC	20. LENGTH	174
0503 71.994 96.41345500.99512818 70.503 02.60345500.99609762 65.818 105.3824550	99.18445500.99545133 68.972	REC	21. LENGTH	174
2077 64.206 106.94045500.99674392 62.576 108.31445500.99706707 60.931	REC	22. LENGTH	174	

D-6432
1st 100 RECS

109.52345650.55739021 59.273 110.02145500.55771336 57.603 111.5984565

18 34367125 0 8 10215 01.00288373 30.079 119.74438541.00320688 20.330 120.02439751.00353003 26.50
120.29127141.00288373 24.828 120.54724821.00417632 23.074 120.7933413

18 34367125 0 8 10215 00.99982225 47.418 115.84045360.99997540 45.700 116.35045361.00029854 43.97
116.84145501.00047105 42.221 117.28545501.00094484 40.521 117.7084536

18 34367125 0 8 10215 01.00126798 38.788 118.09945501.00159115 37.051 119.46742881.00191429 35.31
118.61344121.00223742 33.570 115.14045191.00256059 31.826 119.4504242

18 34367125 0 8 10218 01.00773095 3.720 123.06927321.00805411 1.958 123.25628471.00837725 0.14
123.44230361.00770039 -1.565 123.62531771.00802355 -3.327 123.8153460

18 34367125 0 8 10215 01.00445547 21.319 121.02931771.00482263 19.563 121.25732011.00514577 17.80
121.47826671.00546850 16.047 121.65229191.00579207 14.287 121.9002872

18 34367125 0 8 10215 01.00811521 12.527 122.10427581.00843836 10.756 122.30327791.00876151 9.00
122.49226651.00708401 7.244 122.65126181.00740720 5.452 122.8812732

18 34367125 0 8 10215 01.00534669 -5.087 124.00334821.00565984 -6.848 124.19237141.00599299 -8.60
124.38435651.01031612-10.366 124.57839531.01003926-12.124 124.7764272

18 34367125 0 8 10215 01.01056293-13.880 124.97841801.01128557-15.636 125.18443181.01160873-17.39
125.25641021.01152187-19.143 125.61445501.01225901-20.894 125.8394550

18 34367125 0 8 10218 01.01415391-31.361 127.39145501.01451705-33.098 127.69545651.01484022-34.83
128.01546651.01518235-36.563 128.3224501.01548649-38.290 128.5124565

18 34367125 0 8 10215 01.01580566-40.015 129.09345501.01613280-41.736 129.50045501.01645595-43.45
129.9264501.01677905-45.166 129.40345501.01710224-46.874 130.9064550

18 34367125 0 8 10215 01.01742539-48.577 131.44945361.01774853-50.275 132.03845551.01807170-51.96
132.6784551.01825421-53.682 132.37745651.01871797-55.330 134.1424565

18 34367125 0 8 10215 01.01904116-57.000 134.98545501.01936428-58.660 135.91745501.01966793-60.31
136.95344951.02001058-61.597 126.14545501.02033372-63.570 139.4094086

18 34367125 0 8 10215 01.02065687-65.176 140.87745361.02098002-66.762 142.54745501.02130318-68.32
144.40045501.02162431-65.657 146.68841151.02154546-71.353 149.2344550

18 34367125 0 8 10215 01.02227262-72.004 142.24241321.02259576-74.198 155.79145501.02291851-75.51
160.00745501.02324206-76.742 145.02444731.02356520-77.843 171.0264504

18 34367125 0 8 10215 01.02388835-78.785 170.11343651.02421150-79.524-173.05742261.02453466-80.01
-164.40845361.02485775-80.226-154.48744561.02518094-80.134-144.4544536

18 34367125 0 8 10215 01.02550410-79.749-134.89740861.02532724-79.103-126.25736481.02615039-78.23
-116.72546261.02647314-77.260-112.34845501.02679668-76.027-106.9764550

18 34367125 0 8 10218 01.02711983-74.750-102.47441321.02744298-73.394 -98.69043651.02776612-71.97
-55.45240401.02804917-70.810 -52.77135521.02841242-69.006 -90.4384272

18 34367125 0 8 10215 01.02873556-67.472 -88.42241321.02905872-65.913 -86.66640691.02936187-64.33
-88.12744431.02970500-62.739 -43.76542721.03002016-61.130 -82.5024536

18 34367125 0 8 10215 01.03035131-59.509 -81.48545501.03067446-57.879 -80.51745651.03099760-56.24
-79.64346651.03122075-54.593 -78.85145501.03164390-52.941 -78.1304550

18 34367125 0 8 10215 01.03196704-51.287 -77.47145501.03229021-49.619 -76.86545361.03261335-47.95
-76.30845501.03293448-46.280 -75.79245501.03325965-44.605 -75.3144550

18 34367125 0 8 10215 01.03358279-42.927 -74.86945361.03390594-41.246 -74.45445501.03422908-39.562

10.62145500.59771336	57.603	111.5984565					
173 30.079	119.74438541.00320688	28.330	120.02439751.00353003	26.560	REC	23. LENGTH	174
60.54724821.00417632	23.074	120.7933413					
25 47.418	115.84045360.99997540	45.700	116.35945361.00029854	43.978	REC	24. LENGTH	174
17.28545501.00094424	40.521	117.7084536					
798 38.788	118.09945501.00159115	37.051	118.96742881.00191429	35.312	REC	25. LENGTH	174
15.1445191.00256089	31.826	119.4504242					
695 3.720	123.06927321.00805411	1.958	123.25628471.00837725	0.196	REC	26. LENGTH	174
2.62931771.00902355	-3.327	123.8153460					
547 21.319	121.02931771.00482263	19.563	121.26732011.00514977	17.805	REC	27. LENGTH	174
1.65225191.00579207	14.287	121.9002872					
521 12.527	122.10427581.00643836	10.766	122.30327791.00676151	9.005	REC	28. LENGTH	174
2.65126181.00740780	5.482	122.8812732					
669 -5.067	124.00334821.00966984	-6.848	124.19237141.00999299	-8.607	REC	29. LENGTH	174
4.57839531.01063928	-12.124	124.7764272					
243-13.680	124.97841801.01128557	-15.636	125.18443181.01160873	-17.390	REC	30. LENGTH	174
5.61445501.01225501	-20.894	125.8394550					
251-31.361	127.39145501.01451705	-33.098	127.69545501.01484022	-34.632	REC	31. LENGTH	174
6.35245501.01548649	-38.290	128.7124565					
66-40.015	129.07345501.01613258	-41.736	129.50045501.01645595	-43.453	REC	32. LENGTH	174
0.40345501.01710224	-46.874	130.9064550					
39-48.577	131.44945361.01774853	-50.275	132.03845651.01807170	-51.967	REC	33. LENGTH	174
1.37745651.01871797	-55.330	134.1424565					
14-57.000	134.98545501.01936428	-58.560	135.91745501.01968793	-60.310	REC	34. LENGTH	174
1.16945501.02033372	-63.570	139.4094080					
67-65.170	140.37745361.02095002	-66.762	142.54745501.02130318	-68.324	REC	35. LENGTH	174
1.00841151.02194946	-71.353	149.2344550					
62-72.804	152.24241321.02239576	-74.198	155.79145501.02291891	-75.516	REC	36. LENGTH	174
1.02444731.02356520	-77.843	171.0264504					
35-78.785	178.11343651.02421150	-79.524	173.65742261.02433464	-80.017	REC	37. LENGTH	174
1.48744561.02518094	-80.134	144.4544536					
10-75.749	134.89749861.02582724	-79.103	126.25736481.02613039	-78.238	REC	38. LENGTH	174
1.54845501.02679668	-76.027	106.9764550					
63-74.750	102.47441321.02744295	-73.394	98.69043651.02776610	-71.976	REC	39. LENGTH	174
1.77135531.02841242	-69.006	90.4384272					
56-67.472	88.42241321.02905872	-65.913	86.66640691.02938187	-64.334	REC	40. LENGTH	174
1.74542721.03002816	-61.130	82.5824536					
11-55.509	81.48545501.03067446	-57.879	80.51745651.03099760	-56.240	REC	41. LENGTH	174
1.65145501.03164350	-52.941	78.1304550					
34-51.287	77.47145501.03229021	-49.619	76.86645361.03261335	-47.951	REC	42. LENGTH	174
1.79245501.03325965	-44.605	75.3144550					
79-42.927	74.86945361.03390594	-41.246	74.45945501.03422908	-39.562	REC	43. LENGTH	174

-74.06646501.03488223-37.876 -15.701 890. 0. 0. 0

153541671261019 30201 00.40612698 -4.979 -20.48229420.40846313 -6.739 -20.29231070.40878627 -
-20.10122610.40910542-10.267 -15.50733860.40943258-12.015 -19.7103338

153541671261019 30201 00.40678572-13.771 -19.50833860.41007867-15.527 -19.30235280.41040201-1
-19.05035780.41071517-19.633 -18.67236350.41104832-20.784 -18.8483835

153541671261019 30201 00.41137165-27.534 -18.41638350.41169461-24.261 -18.17590400.41201776-2
-17.92441320.41224051-27.771 -17.66242020.41266406-29.512 -17.3884365

153541671261019 30201 00.41258719-31.291 -17.18144120.41331035-32.987 -16.79845500.41363350-3
-16.46044560.41398665-36.452 -16.14246040.41427980-38.179 -15.7854550

153541671261019 30201 00.39076684 79.938-118.93744580.39068999 80.209-109.02845500.39101314 8
-58.67345500.39133628 79.838 -85.06645360.39165944 79.227 -80.1684550

153541671261019 30201 00.39158258 78.385 -72.36945500.39230573 77.357 -65.72945360.39262886 7
-60.18045500.39295202 74.855 -55.48145500.39327518 73.530 -51.5644550

153541671261019 30201 00.39355832 72.093 -46.26045500.39392146 70.605 -45.46445500.39424462 6
-43.06745500.39456777 67.514 -40.95945500.39489092 65.925 -39.2034550

153541671261019 30201 00.39521406 64.314 -37.63145360.39553721 62.685 -36.24545360.39586036 61
-35.01845500.39618311 59.382 -33.92045500.39690666 57.713 -32.9364550

153541671261019 30201 00.39682680 56.834 -32.04945500.39715295 54.346 -31.24645500.39747610 52
-30.01445500.39779925 50.945 -29.84645500.39812240 49.241 -29.2334550

153541671261019 30201 00.39844854 47.528 -28.60845500.39876869 45.810 -28.14845360.39909184 44
-27.06245360.39941495 42.361 -27.21145500.39973814 40.631 -26.7914536

153541671261019 30201 00.40006128 38.897 -26.39245360.40038443 37.160 -26.02845500.40070758 35
-25.68145500.40103073 33.679 -25.35345500.40135388 31.934 -25.0424550

153541671261019 30201 00.40167702 30.188 -24.74745040.40200817 28.439 -24.46642720.40232332 26
-24.15825470.40264447 24.536 -23.94239470.40296962 23.182 -23.6953761

153541671261019 30201 00.40329276 21.427 -23.45936010.40361591 19.671 -23.23036940.40393906 17
-23.0023660.40426211 16.155 -22.79433880.40458536 14.395 -22.5853341

153541671261019 30201 00.40490850 12.635 -22.38230140.40523165 10.874 -22.18229190.40555480 9
-21.96227750.40587755 7.352 -21.75426360.40620110 5.590 -21.6042732

153541671261019 30201 00.40652424 3.828 -21.41526380.40684739 2.066 -21.22826850.40717054 0
-21.04223820.40749365 -1.457 -20.85628470.40781683 -3.214 -20.6692694

153541671261019 30201 00.43232608-43.060 140.62145300.43269923-41.380 141.03945500.43302238-39
141.42945500.43334513-38.011 141.79545500.43368668-36.322 142.1404550

153541671261019 30201 00.43395182-34.633 142.46545600.43431497-32.941 142.77245500.43463812-31
143.06445500.43495127-29.512 143.34145500.43528442-27.856 143.6064536

153541671261019 30201 00.43557756-26.158 143.35845360.43593071-24.458 144.10145360.43625386-22
144.22245360.43657701-21.026 144.65745360.43690016-19.353 144.7744550

153541671261019 30201 00.43720330-17.649 144.98945500.43754645-15.944 145.18745500.43786960-14
145.26645500.43819010-12.523 145.57545500.43851590-10.825 145.7694550

153541671261019 30201 00.43882904-9.904 -15.40545500.43892609-41.624 -15.00045500.43924924-43
-14.80745360.43957219-45.054 -14.10245360.43989584-46.782 -13.6014536

153541671261019 30201 00.44045478-1.465 -13.06145500.44054183-50.162 -12.47645500.44086498-51

NO.	O.	C.	O			
679	-20.48229420.40846313	-6.739	-20.29231070.40878627	-6.499	REC	44. LENGTH 174
	00.40943258-12.015	-19.7103388				
71	-19.50833886.41007887-15.527	-19.30235280.41040201-17.281	REC	45. LENGTH	174	
	350.41104832-20.784	-18.6463835				
534	-18.41538350.41159461-24.281	-18.17540400.41201776-26.027	REC	46. LENGTH	174	
	020.41266405-29.512	-17.3884365				
531	-17.10144120.41331035-32.987	-16.79845500.41363350-34.721	REC	47. LENGTH	174	
	040.41427980-38.179	-15.7854550				
38	-18.93744580.39068999	80.209-109.02845500.39101314	80.175	REC	48. LENGTH	174
	00.35165944	79.227	-80.1684550			
385	-72.36945500.39230573	77.357	-69.72945360.39262888	76.184	REC	49. LENGTH 174
	00.35327518	73.530	-51.5664550			
393	-48.26645500.39392146	70.605	-45.46445500.39424462	69.076	REC	50. LENGTH 174
	00.35489092	69.925	-39.2034550			
14	-37.63145360.35553721	62.685	-36.24545360.35586036	61.040	REC	51. LENGTH 174
	00.35650666	57.713	-32.9364550			
34	-32.04945500.39715295	54.340	-31.24645500.39747610	52.651	REC	52. LENGTH 174
	00.35812240	49.241	-29.2334550			
18	-28.66845500.35976869	45.810	-28.14645360.39909184	44.087	REC	53. LENGTH 174
	00.25973814	40.531	-26.7914536			
67	-26.39845360.40038443	37.160	-26.02845500.40070758	35.421	REC	54. LENGTH 174
	00.40135388	31.934	-25.0424550			
58	-24.74745040.40200017	28.039	-24.46642720.40232332	26.688	REC	55. LENGTH 174
	00.40296962	23.182	-23.6953761			
7	-23.45936010.40361591	19.671	-23.23036940.40393906	17.913	REC	56. LENGTH 174
	00.40458936	14.395	-22.5853341			
15	-22.38230140.40523105	10.674	-22.16229190.40555480	9.113	REC	57. LENGTH 174
	00.40620110	5.590	-21.6042732			
8	-21.41526380.40684739	2.066	-21.22826850.40717054	0.304	REC	58. LENGTH 174
	0.40781663	-3.215	-20.6692694			
0	140.62145500.42269923-41.380	141.03945500.43302238-39.697	REC	59. LENGTH	174	
	0.42366868-36.323	142.1404550				
3	142.42545650.43431497-32.941	142.77295500.43463812-31.248	REC	60. LENGTH	174	
	0.42528442-27.856	143.0064536				
8	143.35845360.43593071-24.458	144.10145360.43625386-22.758	REC	61. LENGTH	174	
	0.42690016-19.353	144.7744550				
3	144.98445500.43784655-15.944	145.18745500.43786960-14.239	REC	62. LENGTH	174	
	0.42861550-10.825	145.7694550				
4	-15.40545500.41492609-41.624	-15.00045500.41524924-43.341	REC	63. LENGTH	174	
	0.41589554-46.762	-13.6014536				
9	-13.06145500.41654183-50.162	-12.47645500.41686498-51.855	REC	64. LENGTH	174	