

NIMBUS 4

#329

Earth Sc

NIMBUS 4 THIR

6.7 & 11.5 MICRON

70-025A-02D, E - ESAD-00071

ESAD-00004

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

REQ. AGENT
CAW

RAND NO.
RC5530

ACQ. AGENT
JCL

NIMBUS FOUR

6.7 & 11.5 THIR MICRON

(70-025A-02E)
&
(70-025A-02D)

This data set consists of 79 6.7 & 11.5 THIR MICRON data tapes. The tapes are 7 track, 800, binary, multi-filed. They were created on the 360/75 computer. The 'D' & 'C' numbers with the time span and orbit number are given below.

6-7

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>	<u>ORBIT NO.</u>	<u>FILE#</u>
D-23188	C-17634	0 04/19/70	138	2
D-23189	C-17635	04/19/70	143	2
D-23190	C-17636	04/20/70	148	2
D-23191	C-17637	04/29/70	270	2
D-23192	C-17638	10/24/70	2665	2
D-23193	C-17639	10/24/70	2664	2
D-23194	C-17640	10/22/70	2638	2
D-23195	C-17641	10/22/70	2635	2
D-23196	C-17642	10/21/70	2623	2
D-23197	C-17643	10/20/70	2611	2
D-23198	C-18361	10/20/70	2608	2
D-23199	C-18362	10/17/70	2566	2
D-23200	C-18363	10/16/70	2558	2
D-23201	C-18364	10/16/70	2556	2
D-23202	C-18365	10/15/70	2544	2
D-23203	C-18366	10/15/70	2542	2
D-23204	C-18367	08/08/70	1628	2
D-23205	C-18394	08/08/70	1628	2

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<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>	<u>ORBIT NO.</u>	<u>FILE#</u>
D-23207	C-18368	07/29/70	1495-1496	3
D-23208	C-18369	09/30/70	2340	2
D-23209	C-18370	10/14/70	2529	2
D-23210	C-18371	10/06/70	2422	2
D-23211	C-18372	10/06/70	2417	2
D-23213	C-18373	10/05/70	2408	2
D-23214	C-18374	09/30/70	2342	2
D-23215	C-18375	09/29/70	2326-2328	3
D-23216	C-18376	09/28/70	2315	2
D-23217	C-18377	09/27/70	2300	2
D-23218	C-18378	09/23/70	2246-2248	3
D-23219	C-18379	09/21/70	2218	2
D-23220	C-18380	11/03/70	2798	2
D-23221	C-18381	11/03/70	2796	2
D-23222	C-18382	11/03/70	2793	2
D-23223	C-18383	11/03/70	2792	2
D-23224	C-18384	10/30/70	2744	2
D-23225	C-18385	10/28/70	2718	2
D-23226	C-18386	10/28/70	2717	2
D-23227	C-18387	10/27/70	2705	2
D-23228	C-18388	10/27/70	2704	2
D-23230	C-18389	10/25/70	2679	2
D-23231	C-18390	10/25/70	2678	2
D-23232	C-18391	02/07/71	4091	2
D-23233	C-18392	11/21/70	3039	3
D-23234	C-18393	11/20/70	3026	2
D-23236	C-18395	11/06/70	2833	2

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6.7

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>	<u>ORBIT NO.</u>	<u>FILE#</u>
D-23237	C-18396	11/03/70	2799	2
D-23238	C-18486	11/03/70	2800	2
D-23239	C-18487	11/04/70	2811	2
D-23240	C-18488	11/04/70	2813	2
D-23241	C-18489	11/05/70	2824	2
D-23242	C-18490	11/05/70	2826	2
D-23243	C-18491	05/07/70	376- 378	4
D-23246	C-18492	05/11/70	438	2
D-23247	C-18493	05/07/70	374	3
D-23249	C-18494	05/02/70	314	3
D-23251	C-18495	09/05/70	1999	2
D-23252	C-18496	09/05/70	1999	2
D-23253	C-18497	09/02/70	1963	2
D-23254	C-18498	08/19/70	1776	2
D-23255	C-18499	08/11/70	1671	2
D-23256	C-18500	09/07/70	2031	2
D-23257	C-18501	09/07/70	2032	2
D-23258	C-18502	09/07/70	2033	2
D-23259	C-18503	09/10/70	2074	2
D-23260	C-18504	09/11/70	2085-2086	3
D-23261	C-18505	09/10/70	2072	2
D-23262	C-18506	09/12/70	2101	2
D-23263	C-18507	09/12/70	2099	2
D-23264	C-18508	09/11/70	2088	2
D-23265	C-18509	09/11/70	2086	2
D-23993	C-18510	08/12/70	1682	2

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<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>	<u>ORBIT NO.</u>	<u>FILE#</u>
D-29360		11/03/70	2792	3
D-15174		11/05/70	2819	2
D-15179		11/05/70	2825	2
D-15180		12/20/70	3422	2
D-15193		04/25/70	217	3
D-15210		09/26/70	2286	2
D-15216		11/03/70	2793	3
D-15277		11/20/70	3028	2
D-15292		11/05/70	2819	2
D-15300		01/06/71	3657	2

11.5 THIR MICRON

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>	<u>ORBIT NO.</u>	<u>FILE#</u>
D-23187	C-17644	04/30/70	289	2
D-23206	C-18511	08/08/70	1627-1629	3
D-23229	C-18512	10/25/70	2679	2
D-23235	C-18513	11/17/70	2982	2
D-23244	C-18514	05/05/70	352	2
D-23245	C-18515	05/10/70	422	2
D-23248	C-18516	05/05/70	347	2
D-23250	C-18517	07/18/70	1348	2
D-29281		12/20/70	3422	2
D-29282		01/06/71	3657	2

B R I E F D E S C R I P T I O N
11.5-Micron Cloud Radiance Tape
70-025A-02D

This set of brightness temperatures is available on 7-track, 800-bpi, binary magnetic tapes. These tapes, also referred to as Nimbus Meteorological Radiation Tapes (NMRT-THIR), are produced on an IBM 360 computer and contain one orbit of data per file. The first record of each file contains documentation and information describing the orbit. Subsequent records contain brightness temperatures that are measured at 11.5 micrometers with a ground resolution of 7.7 km. There are also locations and time of each observation.

M A T E R I A L S F O R D I S T R I B U T I O N
70-025A-02D
11.5-Micron Cloud Radiance Tape

B06861-000A "Nimbus 4 User's Guide," describes the tape format.

D A T A S E T R E M A R K S
70-025A-02D
~~11.5-Micron Cloud Radiance Tape~~

Data set held outside NSSDC, but the Data Center does respond to requests. The present set of tapes is considered as preliminary and contains many short data breaks (see acquisition file). Periods of missing data will be filled as more tapes become available.

no longer applies

B R I E F D E S C R I P T I O N
6.7-Micron Cloud Radiance Tape
70-025A-02E

This set of brightness temperatures is available on 7-track, 800-bpi, binary magnetic tapes. These tapes, also referred to as Nimbus Meteorological Radiation Tapes (NMRT-THIR), are produced on an IBM 360 computer and contain one orbit of data per file. The first record of each file contains documentation and information describing the orbit. Subsequent records contain brightness temperatures that are measured at 6.7 micrometers with a ground resolution of 22.6 km. There are also locations and time of each observation.

CHARACTER CODES

<u>Character</u>	<u>External Code</u>	<u>Internal Code</u>	<u>Punch Card</u>
A	61	21	12,1
B	62	22	12,2
C	63	23	12,3
D	64	24	12,4
E	65	25	12,5
F	66	26	12,6
G	67	27	12,7
H	70	30	12,8
I	71	31	12,9
J	41	41	11,1
K	42	42	11,2
L	43	43	11,3
M	44	44	11,4
N	45	45	11,5
O	46	46	11,6
P	47	47	11,7
Q	50	50	11,8
R	51	51	11,9
S	22	62	0,2
T	23	63	0,3
U	24	64	0,4
V	25	65	0,5
W	26	66	0,6
X	27	67	0,7
Y	30	70	0,8
Z	31	71	0,9
0	12	00	0
1	01	01	1
2	02	02	2
3	03	03	3
4	04	04	4
5	05	05	5
6	06	06	6
7	07	07	7
8	10	10	8
9	11	11	9
/	21	61	0,1
+	60	20	12
-	40	40	11
blank	20	60	space
.	73	33	12,8,3
)	74	34	12,8,4
\$	53	53	11,8,3
*	54	54	11,8,4
,	33	73	0,8,3
(	34	74	0,8,4
=	13	13	8,3
-	14	14	8,4

When ordering "hard copy" data, the following identifying information should also be given:

1. Satellite (e.g., Nimbus IV)
2. Sensor (THIR)
3. Channel (6.7μ or 11.5μ)
4. Data Orbit No.
5. Calendar Date of Equator Crossing
6. Beginning and Ending Times of Data in GMT
7. Format Desired (see 3.4.2.1, items 1; 2; 3)

When ordering NMR Tapes, only items 1, 2, 3, 4, and 6 above need to be given.

3.4.3 Analog Data

Analog records can be made from the original spacecraft interrogation records (not shown). These Visicorder oscillograph records permit accurate measurement of temperature as a function of time and sensor scan angle as long as the user has adequate knowledge of the workings of the instrument and all parameters involved.

However, the requirements for a comprehensive knowledge of the total THIR subsystem and the sheer volume of the data prohibits the use of this method except for extremely special case studies.

3.5 Format of the NMRT-THIR

The Nimbus Meteorological Radiation Tape-THIR will be a basic repository for requested radiation data from the Nimbus Temperature-Humidity Infrared Radiometer. This tape will contain data in binary mode at a density of 800 bits per inch.

The first file on this tape contains a BCD label. The label consists of fourteen words of BCD information followed by an end-of-file. The remaining files on this tape contain formatted THIR data in the format described on the following pages. The first record in this data file is a documentation record which describes the data to be found in the succeeding records. This first record contains seventeen words (see Table 3-5). The remaining records in the file will be of variable length, but this length will be consistent within the file (see Table 3-6). The length (L) of the data record can be computed as follows:

$$L = (\text{SWATHS PER RECORD}) \times (\text{WORDS PER SWATH}) \\ + (\text{NUMBER OF NADIR ANGLES}) + 7$$

BINARY FOLLOW-UP
THE RIGHT

Table 3-5
NMRT-THIR Documentation Record Format

Word No.	Quantity	Units	Scaling	Remarks
1	Channel ID	Integer	B=35	Equals 115 for 11.5 μ channel and 67 for 6.7 μ channel
2	Date	MMDDYY	B=35	Date of interrogation for this orbit, i.e., 2/5/64 would be (020504) ₈ . Only the last digit of year is used.
	Nimbus Day	-	B=35	Start time for this file of data
4	Hour	Z Hour	B=35	
5	Minute	Z minute	B=35	
6	Seconds	Z seconds	B=35	
7	Nimbus Day	-	B=35	End time for this file of data
8	Hour	Z hour	B=35	
9	Minute	Z minute	B=35	
10	Seconds	Z seconds	B=35	
11	Mirror Rotation Rate	Deg/Sec	B=26	Rotation rate of radiometer mirror
12	Sampling Frequency	Samples/Sec	B=35	Digital sampling of frequency per second of vehicle time
13	Orbit Number	-	B=35	Orbit Number
14	Station Code	-	B=35	DAF Station identification code
15	Swath Block Size (325)	-	B=35	Number of 35-bit words per swath
16	Swaths/Record	-	B=35	Number of swaths per record
17	Number of Locator Points	-	B=35	Number of anchor points per swath for which latitudes and longitudes are computed.

32

300 7 TRACK

36 BIT WORD

FOR NIMBUS III HRT

Table 3-6

NMRT-THIR Data Record Format

Word No.	Quantity	Units	Scaling	Remarks
1D	Nimbus Day	-	B=17	Start time for this record of data
1A	Hour	Z hour	B=35	
2D	Minutes	Z minute	B=17	
2A	Seconds	Z seconds	B=35	
3D	Roll Error	Degrees	B=14	Roll error at time specified in words one and two.
3A	Pitch Error	Degrees	B=32	
4D	Yaw Error	Degrees	B=14	Yaw error at time specified in words one and two.
4A	Height	Kilometers	B=35	
5D	Detector Temperature	Degrees K	B=17	Measured temperature of detector cell at time specified in words one and two.
5A	Electronics Temperature	Degrees K	B=35	
6D	Reference Temperature A	Degrees K	B=17	
6A	Reference Temperature B	Degrees K	B=35	
7D	Reference Temperature C	Degrees K	B=17	
7A	Reference Temperature D	Degrees K	B=35	Measured temperature of housing at time specified in words one and two.

6 BIN. PLACES

Table 3-6 (Continued)

Word No.	Quantity	Units	Scaling	Remarks
8	Nadir Angle	Degrees	B= 29	Nadir angles corresponding to each locator point, and measured in the plane of the radiometer
.				
.				
N	Nadir Angle	Degrees	B= 29	Seconds past time in words 1A & 2D for beginning of this swath. *
(N+1)D	Seconds	Z Seconds	B= 8	
(N+1)A	Data Population	-	B= 35	
(N+2)D	Latitude	Degrees	B= 11	Latitudes of subsatellite point for this swath
(N+2)A	Longitude	Degrees	B= 29	Longitude of subsatellite point for this swath, positive westward 0 to 360°.
N+3	Flags	-	-	Reserved for flags describing this swath
(N+4)D	Latitude	Degrees	B= 11	Latitude of viewed point for the first anchor spot
(N+4)A	Longitude	Degrees	B= 29	Longitude of viewed point for first anchor spot, positive westward 0 to 360°.
.				Latitude and longitude for Mth anchor spot
MD	Latitude	Degrees	B= 11	
MA	Longitude	Degrees	B= 29	THIR measurements. Tag and prefix reserved for flags.
(M+1)D	THIR Data	-	B= 14	
(M+1)A	THIR Data	-	B= 32	
.				Last THIR data measurement
.				
K(A or D)	THIR Data	-	B=32 B=14	

The above data constitute what is essentially the documentation portion of a data record. These data will be followed by several blocks of data with each block representing a swath. The number of these blocks in a record as well as the size of each block is specified in the documentation record represented on the previous page.

All remaining or unused portions of a swath data block are set to zero, giving a swath block size as specified in the documentation record. The above data on this page are repeated for the number of swaths in each record.

Ninety degrees are added to all latitudes and attitude data to eliminate negative signs.

Table 3-7 defines the flags which appear in the data records.

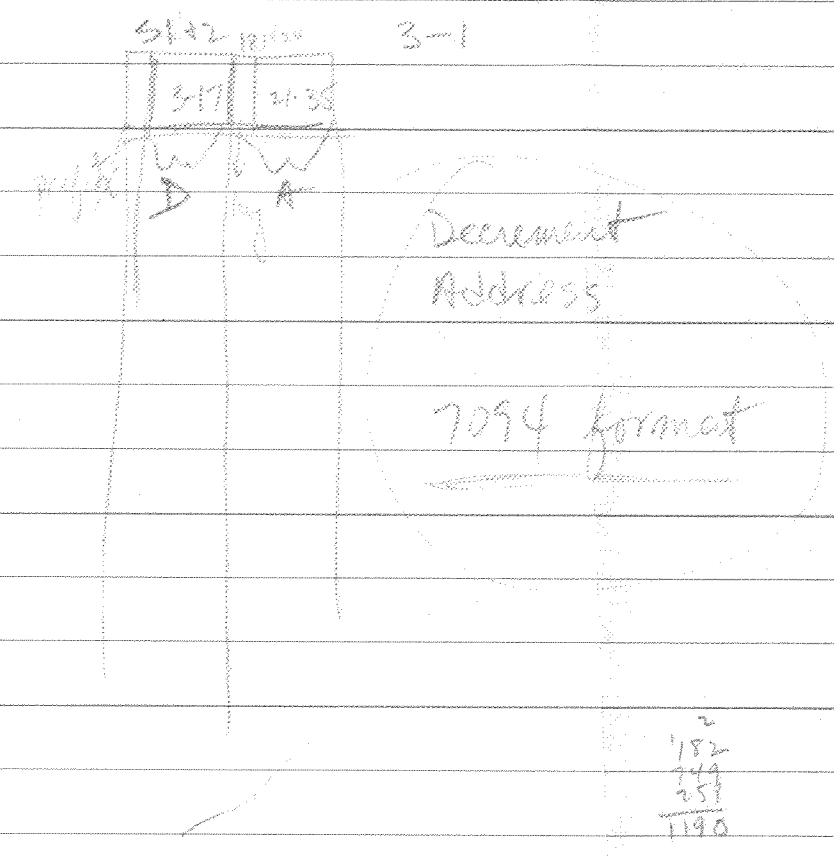
Table 3-7
Definition of Flags Describing Each THIR Swath

Flag	Bit	Definition	Yes	No
1	35	Summary flag. All checks defined by flags 2 thru 12 are satisfactory. (each flag is zero)	0	1
2	34	Consistency check between sampling rate and vehicle time is satisfactory	0	1
3	33	Vehicle time is satisfactory	0	1
4	32	Vehicle time has been inserted by flywheel	1	0
5	31	Vehicle time carrier is present	0	1
6	30	Vehicle time has skipped	1	0
7	29	Water vapor data	1	0
8	28	Sync pulse recognition was satisfactory	0	1
9	27	Dropout of data signal was detected	1	0
10	26	Window data	1	0
11	25	Unassigned		
12	24	Swath size is satisfactory when compared with the theoretical swath size	0	1
13	23	Unassigned		
Flags For Individual Measurements				
Prefix	Tag	Definition	Yes	No
S	18	The particular measurement is below the earth-space threshold	1	0
1	19	Unassigned		
2	20	Unassigned		

D-15148	C-11792	L-1728	2	104	23 04	104	23 59	0092	6.7
D-15148	C-11792	L-1728	3	104	23 43	104	23 43	0092	6.7
D-15148	C-11792	L-1728	4	105	00 00	105	00 03	0092	6.7
D-15148	C-11792	L-1728	5	105	00 47	105	00 55	0092	6.7
D-15149	C-11845	L-1729	2	105	00 50	105	01 50	0092	6.7
D-15149	C-11845	L-1729	3	105	02 36	105	02 54	0092	6.7
D-15150	C-11793	L-1732	2	105	13 24	105	14 19	0098	6.7
D-15152	C-11794	L-1736	2	105	18 42	105	19 41	0101	6.7
D-15152	C-11794	L-1736	3	105	20 28	105	21 28	0102	6.7
D-15153	C-11795	L-1740	2	106	07 26	106	08 11	0108	6.7
D-15153	C-11795	L-1740	3	106	08 58	106	09 06	0108	6.7
D-15154	C-11796	L-1742	2	106	09 05	106	09 58	0109	6.7
D-15154	C-11796	L-1742	3	106	10 45	106	10 51	0109	6.7
D-15155	C-11797	L-1757	2	106	10 48	106	11 45	0110	6.7
D-15155	C-11797	L-1757	3	106	12 33	106	12 39	0110	6.7
D-15156	C-11798	L-1758	2	106	12 39	106	13 32	0111	6.7
D-15157	C-11799	L-1170	2	106	16 07	106	17 06	0113	6.7
D-15157	C-11799	L-1170	3	106	17 54	106	18 54	0114	6.7
D-15158	C-11800	L-1764	2	107	01 07	107	02 06	0119	6.7
D-15158	C-11800	L-1764	3	107	02 53	107	03 10	0119	6.7
D-15159	C-11801	L-1765	2	107	06 39	107	07 27	0121	6.7
D-15159	C-11801	L-1765	3	107	07 43	107	07 43	0121	6.7
D-15159	C-11801	L-1765	4	107	07 55	107	07 55	0121	6.7
D-15159	C-11801	L-1765	5	107	08 05	107	08 20	0121	6.7
D-15160	C-11802	L-1769	2	107	22 20	107	22 24	0133	6.7
D-15160	C-11802	L-1769	3	107	22 33	107	23 31	0133	6.7
D-15160	C-11802	L-1769	4	108	00 20	108	00 27	0133	6.7
D-15161	C-11803	L-1774	2	108	09 20	108	10 14	0136	6.7
D-15161	C-11803	L-1774	3	108	11 02	108	11 08	0136	6.7
D-15162	C-11804	L-1583	2	108	11 06	108	12 02	0137	6.7
D-15162	C-11804	L-1583	3	108	12 50	108	12 55	0137	6.7
D-15163	C-11805	L-8442	2	108	16 24	108	17 23	0139	6.7
D-15164	C-11806	L-8230	2	108	16 19	108	16 59	0140	6.7
D-15164	C-11806	L-8230	3	108	16 20	108	17 23	0140	6.7
D-15165	C-11807	L-2218	2	108	16 32	108	16 34	0141	6.7
D-15165	C-11807	L-2218	3	108	18 05	108	19 10	0141	6.7
D-15166	C-11808	L-1779	2	109	01 23	109	02 21	0146	6.7
D-15167	C-11809	L-8235	2	109	05 10	109	05 55	0147	6.7
D-15167	C-11809	L-8235	3	109	06 44	109	06 55	0147	6.7
D-15168	C-11855	L-8272	2	109	08 35	109	09 29	0149	6.7
D-15169	C-11856	L-1780	2	109	10 18	109	11 16	0150	6.7
D-15169	C-11856	L-1780	3	109	12 05	109	13 04	0151	6.7
D-15170	C-11857	L-1783	2	109	22 47	109	23 46	0160	6.7
D-15170	C-11857	L-1783	3	110	00 33	110	00 42	0160	6.7
D-15171	C-11858	L-1784	2	110	06 21	110	06 55	0161	6.7
D-15172	C-11859	L-2212	2	110	04 29	110	05 07	0162	6.7
D-15172	C-11859	L-2212	3	110	05 56	110	06 13	0162	6.7
D-15173	C-11860	L-1789	2	110	14 52	110	15 50	0166	6.7
D-15175	C-11861	L-1794	2	110	23 43	110	23 43	0173	6.7
D-15175	C-11861	L-1794	3	110	23 48	111	00 00	0173	6.7
D-15175	C-11861	L-1794	4	111	00 00	111	00 46	0173	6.7
D-15175	C-11861	L-1794	5	111	01 30	111	01 44	0173	6.7
D-15176	C-11862	L-1795	2	111	08 51	111	09 41	0176	6.7
D-15176	C-11862	L-1795	3	111	10 14	111	10 39	0176	6.7
D-15177	C-11863	L-1797	2	111	12 21	111	13 15	0178	6.7
D-15177	C-11863	L-1797	3	111	13 59	111	14 08	0178	6.7
D-15178	C-11864	L-1798	2	111	14 09	111	15 02	0179	6.7
D-15178	C-11864	L-1798	3	111	15 44	111	15 55	0179	6.7
D-15181	C-11865	L-2229	2	112	13 16	112	13 22	0191	6.7
D-15181	C-11865	L-2229	3	112	13 21	112	14 15	0191	6.7
D-15182	C-11866	L-2231	2	112	15 06	112	16 02	0193	6.7
D-15183	C-11867	L-8432	2	113	10 52	113	11 40	0204	6.7

NIMBUS 4 THIR
SORTED BY 'D' NUMBER

4744
300 Bardsdale



		D-15184	C-11868	L-8433	2	113	12	38	113	13	27	0205	6.7	
29		D-15184	C-11868	L-8433	3	113	14	07	113	14	24	0205	6.7	
19		D-15185	C-11869	L-8434	2	113	14	22	113	15	14	0206	6.7	
09		D-15186	C-11870	L-2236	2	113	17	52	113	18	48	0208	6.7	
99		D-15186	C-11870	L-2236	3	113	19	37	113	20	35	0209	6.7	
89		D-15187	C-11871	L-8435	2	113	21	20	113	22	22	0210	6.7	
79		D-15188	C-11981	L-8436	2	114	01	06	114	01	57	0213	6.7	
69		D-15188	C-11981	L-8436	3	114	02	46	114	03	09	0213	6.7	
59		D-15188	C-11981	L-8436	4	114	05	00	114	05	34	0213	6.7	
49		D-15189	C-11991	L-8437	2	113	23	07	114	00	00	0213	6.7	
39		D-15189	C-11991	L-8437	3	113	23	43	113	23	43	0213	6.7	
29		D-15189	C-11991	L-8437	4	114	00	00	114	00	10	0213	6.7	
19		D-15189	C-11991	L-8437	5	114	00	25	114	00	30	0213	6.7	
09		D-15189	C-11991	L-8437	6	114	00	49	114	01	12	0213	6.7	
99		D-15190	C-11994	L-8438	2	114	05	00	114	05	34	0214	6.7	
89		D-15190	C-11994	L-8438	3	114	05	46	114	05	48	0214	6.7	
79		D-15190	C-11994	L-8438	4	114	06	14	114	06	43	0214	6.7	
69		D-15191	C-11982	L-8439	2	114	06	42	114	07	18	0215	6.7	
59		D-15191	C-11982	L-8439	3	114	07	58	114	08	24	0215	6.7	
49		D-15192	C-11983	L-8440	2	114	08	20	114	09	05	0216	6.7	
39		D-15192	C-11983	L-8440	3	114	09	54	114	10	08	0216	6.7	
29		D-15194	C-11995	L-8443	2	114	15	21	114	16	13	0220	6.7	
19		D-15194	C-11995	L-8443	3	114	17	05	114	17	05	0221	6.7	
09		D-15194	C-11995	L-8443	4	114	18	49	114	20	00	0222	6.7	
99		D-15195	C-11992	L-8447	2	115	00	21	115	01	21	0226	6.7	
89		D-15195	C-11992	L-8447	3	115	02	03	115	02	23	0226	6.7	
79		D-15196	C-11984	L-8448	2	115	00	21	115	01	21	0226	6.7	
69		D-15196	C-11984	L-8448	3	115	02	05	115	02	22	0226	6.7	
59		D-15198	C-11985	L-8450	2	115	04	15	115	04	55	0227	6.7	
49		D-15198	C-11985	L-8450	3	115	05	29	115	05	33	0227	6.7	
39		D-15198	C-11985	L-8450	4	115	05	38	115	05	54	0227	6.7	
29		D-15199	C-11986	L-8451	2	115	05	58	115	06	42	0228	6.7	
19		D-15200	C-11987	L-8452	2	115	07	40	115	08	30	0229	6.7	
09		D-15200	C-11987	L-8452	3	115	09	11	115	09	21	0229	6.7	
99		D-15201	C-11993	L-8453	2	115	09	21	115	10	17	0230	6.7	
89		D-15202	C-11988	L-8454	2	115	12	51	115	13	51	0232	6.7	
79		D-15202	C-11988	L-8454	3	115	14	38	115	14	38	0233	6.7	
69		D-15202	C-11988	L-8454	4	115	16	24	115	17	25	0234	6.7	
59		D-15204	C-11989	L-2238	2	115	21	43	115	21	43	0237	6.7	
49		D-15204	C-11989	L-2238	3	115	21	48	115	22	47	0237	6.7	
39		D-15205	C-11990	L-8459	2	116	01	21	116	02	21	0240	6.7	
29		D-15205	C-11990	L-8459	3	116	03	09	116	03	27	0240	6.7	
19		D-15206	C-11996	L-8460	2	115	23	43	115	23	43	0241	6.7	
09		D-15206	C-11996	L-8460	3	115	23	55	116	00	00	0241	6.7	
99		D-15206	C-11996	L-8460	4	116	00	00	116	00	34	0241	6.7	
89		D-15206	C-11996	L-8460	5	116	05	15	116	05	55	0241	6.7	
79		D-15206	C-11996	L-8460	6	116	06	43	116	06	56	0241	6.7	
69		D-15207	C-11997	L-8461	2	116	06	53	116	07	42	0242	6.7	
59		D-15208	C-12003	L-8462	2	116	08	36	116	09	29	0243	6.7	
49		D-15208	C-12003	L-8462	3	116	10	03	116	10	08	0243	6.7	
39		D-15208	C-12003	L-8462	4	116	10	18	116	10	22	0243	6.7	
29		D-15209	C-12004	L-8463	2	116	10	21	116	11	17	0244	6.7	
19		D-15209	C-12004	L-8463	3	116	11	59	116	12	07	0244	6.7	
09		D-15211	C-12006	L-8465	2	116	13	52	116	14	51	0247	6.7	
99		D-15211	C-12006	L-8465	3	116	15	38	116	16	38	0247	6.7	
89		D-15211	C-12006	L-8465	4	116	17	21	116	18	25	0248	6.7	
79		D-15212	C-12007	L-8468	2	116	19	13	116	20	12	0249	6.7	
69		D-15213	C-12008	L-8469	2	116	21	00	116	21	59	0250	6.7	
59		D-15214	C-12037	L-8470	2	117	00	37	117	01	34	0253	6.7	
49		D-15214	C-12037	L-8470	3	117	02	22	117	02	39	0253	6.7	
39		D-15215	C-12009	L-8471	2	116	22	48	116	23	46	0254	6.7	
29		D-15215	C-12009	L-8471	3	117	00	33	117	00	41	0254	6.7	
19		D-15217	C-12010	L-2286	2	117	06	16	117	06	55	0256	6.7	
09		D-15217	C-12010	L-2286	3	117	07	43	117	07	54	0256	6.7	

D-15218	C-12011	L-1210	3	117	11	17	117	11	22	0257	6.7
D-15219	C-12012	L-8473	2	117	11	20	117	12	16	0258	6.7
D-15219	C-12012	L-8473	3	117	13	07	117	13	48	0259	6.7
D-15220	C-12013	L-8475	2	117	14	54	117	15	15	0260	6.7
D-15222	C-12014	L-1226	2	117	18	24	117	19	25	0262	6.7
D-15222	C-12014	L-1226	3	117	19	43	117	20	07	0262	6.7
D-15223	C-12015	L-8476	2	117	22	00	117	22	59	0264	6.7
D-15224	C-12016	L-8477	2	118	05	31	118	06	08	0268	6.7
D-15224	C-12016	L-8477	3	118	06	56	118	07	07	0268	6.7
D-15225	C-12017	L-8478	2	118	10	30	118	10	37	0270	6.7
D-15226	C-12038	L-8479	2	118	10	47	118	11	29	0271	6.7
D-15226	C-12038	L-8479	3	118	12	14	118	12	23	0271	6.7
D-15227	C-12018	L-8480	2	118	12	21	118	13	16	0272	6.7
D-15228	C-12019	L-1251	2	118	14	08	118	15	03	0273	6.7
D-15228	C-12019	L-1251	3	118	15	27	118	15	51	0273	6.7
D-15229	C-12020	L-8481	2	118	17	45	118	18	43	0275	6.7
D-15229	C-12020	L-8481	3	118	18	57	118	19	19	0275	6.7
D-15231	C-12039	L-8446	2	118	23	03	119	00	00	0280	6.7
D-15231	C-12039	L-8446	3	118	23	43	118	23	43	0280	6.7
D-15231	C-12039	L-8446	4	119	00	00	119	00	05	0280	6.7
D-15231	C-12039	L-8446	5	119	00	52	119	01	52	0280	6.7
D-15231	C-12039	L-8446	6	119	02	37	119	02	56	0280	6.7
D-15232	C-12022	L-1258	2	119	04	44	119	05	26	0281	6.7
D-15232	C-12022	L-1258	3	119	06	14	119	06	28	0281	6.7
D-15233	C-12023	L-8483	2	119	06	26	119	07	13	0282	6.7
D-15233	C-12023	L-8483	3	119	08	01	119	08	07	0282	6.7
D-15234	C-12024	L-8484	2	119	08	06	119	09	01	0283	6.7
D-15234	C-12024	L-8484	3	119	09	51	119	10	48	0284	6.7
D-15235	C-12025	L-8486	2	119	13	22	119	14	22	0286	6.7
D-15235	C-12025	L-8486	3	119	15	05	119	16	09	0287	6.7
D-15236	C-12026	L-8488	2	119	15	36	119	16	09	0288	6.7
D-15236	C-12026	L-8488	3	119	16	28	119	16	51	0288	6.7
D-15236	C-12026	L-8488	4	119	17	11	119	17	56	0288	6.7
D-15236	C-12026	L-8488	5	119	18	13	119	18	35	0288	6.7
D-15237	C-12027	L-8489	2	119	18	33	119	18	35	0289	6.7
D-15237	C-12027	L-8489	3	119	18	45	119	19	43	0289	6.7
D-15237	C-12027	L-8489	4	119	20	01	119	20	21	0289	6.7
D-15238	C-12028	L-1261	2	119	20	32	119	21	30	0290	6.7
D-15238	C-12028	L-1261	3	119	21	48	119	22	08	0290	6.7
D-15239	C-12029	L-8490	2	119	22	13	119	23	18	0294	6.7
D-15239	C-12029	L-8490	3	120	00	06	120	01	05	0294	6.7
D-15240	C-12030	L-1262	2	120	05	45	120	06	26	0295	6.7
D-15240	C-12030	L-1262	3	120	07	13	120	07	29	0295	6.7
D-15241	C-12031	L-1264	2	120	07	26	120	08	13	0296	6.7
D-15242	C-12032	L-1268	2	120	14	24	120	15	22	0300	6.7
D-15242	C-12032	L-1268	3	120	15	42	120	16	06	0300	6.7
D-15243	C-12040	L-8491	2	120	21	21	120	21	21	0301	6.7
D-15243	C-12040	L-8491	3	120	21	35	120	22	33	0301	6.7
D-15244	C-12033	L-1269	2	120	16	06	120	17	09	0301	6.7
D-15244	C-12033	L-1269	3	120	17	31	120	17	53	0301	6.7
D-15245	C-12034	L-1271	2	120	17	55	120	18	58	0302	6.7
D-15245	C-12034	L-1271	3	120	19	17	120	19	33	0302	6.7
D-15246	C-12035	L-8496	2	120	23	21	121	00	00	0307	6.7
D-15246	C-12035	L-8496	3	120	23	43	120	23	43	0307	6.7
D-15246	C-12035	L-8496	4	121	00	00	121	00	20	0307	6.7
D-15246	C-12035	L-8496	5	121	01	18	121	02	07	0307	6.7
D-15246	C-12035	L-8496	6	121	02	50	121	03	07	0307	6.7
D-15247	C-12036	L-1274	2	121	04	59	121	05	42	0308	6.7
D-15247	C-12036	L-1274	3	121	06	29	121	06	39	0308	6.7
D-15248	C-12117	L-1276	2	121	08	20	121	09	16	0310	6.7
D-15248	C-12117	L-1276	3	121	09	54	121	10	11	0310	6.7
D-15249	C-12118	L-1279	2	121	10	08	121	11	03	0311	6.7
D-15249	C-12118	L-1279	3	121	11	44	121	11	51	0311	6.7
D-15250	C-12119	L-1282	2	121	17	14	121	18	12	0315	6.7

	D-21979		L-1052	2	255	18 17	255	19 15	2115	6.7
29	D-21980		L-1524	2	266	11 42	266	12 35	2259	6.7
19	D-21981		L-2024	2	264	14 56	264	15 55	2234	6.7
09	D-21982		L-1220	2	262	11 12	262	12 05	2205	6.7
85	D-21982		L-1220	3	262	12 57	262	13 52	2206	6.7
95	D-21983		L-6453	2	258	05 33	258	05 39	2148	6.7
85	D-21984		L-1828	2	255	16 38	255	16 53	2114	6.7
85	D-22350	C-17277	L-2138	2	365	09 53	365	11 00	3587	6.7
95	D-22351	C-17278	L-8343	2	317	17 11	317	18 53	2947	6.7

D-15278	C-12145	L-1004	2	125	07	39	125	07	58	0363	6.7
D-15278	C-12145	L-1004	3	125	08	47	125	08	52	0363	6.7
D-15279	C-12146	L-1005	2	125	08	51	125	09	45	0364	6.7
D-15279	C-12146	L-1005	3	125	10	34	125	10	36	0364	6.7
D-20179		L-1006	2	150	16	29	150	17	29	0705	6.7
D-20179		L-1006	3	150	18	18	150	19	16	0705	6.7
D-15280	C-12147	L-1008	2	125	14	08	125	15	07	0367	6.7
D-15280	C-12147	L-1008	3	125	15	27	125	15	52	0367	6.7
D-15281	C-12148	L-1009	2	125	15	52	125	16	54	0368	6.7
D-15281	C-12148	L-1009	3	125	17	14	125	17	36	0368	6.7
D-20182		L-1011	2	150	21	52	150	22	51	0707	6.7
D-15282	C-12149	L-1012	2	125	19	30	125	20	28	0370	6.7
D-15282	C-12149	L-1012	3	125	20	49	125	21	06	0370	6.7
D-15284	C-12151	L-1015	2	126	04	49	126	05	24	0375	6.7
D-15287	C-12154	L-1016	2	126	15	08	126	16	07	0381	6.7
D-15287	C-12154	L-1016	3	126	16	24	126	16	53	0381	6.7
D-15287	C-12154	L-1016	4	126	16	48	126	16	53	0381	6.7
D-15288	C-12180	L-1018	2	126	16	56	126	17	55	0382	6.7
D-15288	C-12180	L-1018	3	126	18	16	126	18	35	0382	6.7
D-15289	C-12181	L-1019	2	126	18	43	126	19	42	0383	6.7
D-15289	C-12181	L-1019	3	126	20	03	126	20	21	0383	6.7
D-15290	C-12182	L-1022	2	126	20	27	126	20	27	0384	6.7
D-15290	C-12182	L-1022	3	126	20	34	126	21	33	0384	6.7
D-15290	C-12182	L-1022	4	126	21	50	126	22	10	0384	6.7
D-15309	C-12210	L-1024	2	129	04	30	129	04	33	0416	6.7
D-15309	C-12210	L-1024	3	129	05	24	129	05	24	0416	6.7
D-20184		L-1027	2	151	13	56	151	14	56	0716	6.7
D-21932	C-17271	L-1029	2	191	17	18	191	18	15	1255	6.7
D-20053	C-17031	L-1030	2	151	22	54	151	23	52	0724	6.7
D-20053	C-17031	L-1030	3	152	04	31	152	05	13	0724	6.7
D-21922	C-17270	L-1031	2	191	20	53	191	21	50	1257	6.7
D-20052	C-16629	L-1033	2	152	09	36	152	10	35	0727	6.7
D-20051	C-16628	L-1035	2	152	11	23	152	12	22	0728	6.7
D-21943		L-1040	2	192	00	29	192	01	18	1260	6.7
D-20050	C-17030	L-1042	2	152	13	09	152	14	10	0729	6.7
D-15273	C-12141	L-1043	2	124	11	23	124	12	19	0352	6.7
D-20049	C-16627	L-1045	2	152	14	59	152	15	57	0730	6.7
D-21979		L-1052	2	255	18	17	255	19	15	2115	6.7
D-21944		L-1053	2	192	04	16	192	04	57	1262	6.7
D-21944		L-1053	3	192	05	53	192	06	18	1262	6.7
D-20061	C-17033	L-1054	2	153	05	33	153	06	15	0738	6.7
D-15302	C-12190	L-1055	2	128	15	23	128	16	25	0408	6.7
D-15302	C-12190	L-1055	3	128	16	44	128	17	08	0408	6.7
D-21726		L-1056	2	288	12	42	288	13	06	2555	6.7
D-15303	C-12191	L-1057	2	128	17	06	128	17	08	0409	6.7
D-15303	C-12191	L-1057	3	128	17	14	128	18	13	0409	6.7
D-15303	C-12191	L-1057	4	128	18	21	128	18	23	0409	6.7
D-15303	C-12191	L-1057	5	128	18	31	128	18	51	0409	6.7
D-15304	C-12192	L-1058	2	128	19	01	128	20	07	0410	6.7
D-15304	C-12192	L-1058	3	128	20	18	128	20	37	0410	6.7
D-20059	C-16633	L-1059	2	153	08	51	152	09	48	0740	6.7
D-15305	C-12193	L-1061	2	128	20	39	128	20	40	0411	6.7
D-15305	C-12193	L-1061	3	128	20	48	128	21	47	0411	6.7
D-15305	C-12193	L-1061	4	128	21	56	128	21	59	0411	6.7
D-15305	C-12193	L-1061	5	128	22	05	128	22	27	0411	6.7
D-15310	C-12211	L-1062	2	129	07	20	129	07	21	0416	6.7
D-15310	C-12211	L-1062	3	129	07	31	129	07	42	0416	6.7
D-20058	C-16632	L-1065	2	153	10	37	152	11	36	0741	6.7
D-15312	C-12213	L-1067	2	129	08	46	129	08	46	0418	6.7
D-15312	C-12213	L-1067	3	129	09	18	129	10	17	0418	6.7
D-20057	C-16631	L-1069	2	153	12	25	152	13	24	0742	6.7
D-15314	C-12215	L-1070	2	129	14	36	129	15	49	0421	6.7
D-15314	C-12215	L-1070	3	129	15	58	129	16	21	0421	6.7
D-20056	C-16630	L-1071	2	153	14	13	152	15	10	0743	6.7

NIMBUS 4 THOR
SORTED BY 'L' NUMBER

6.7
SORTED
By L No.

	D-15315	C-12216	L-1073	2	129	16	27	129	17	27	0422	6.7
79	D-15315	C-12216	L-1073	3	129	17	45	129	18	07	0422	6.7
19	D-15316	C-12217	L-1075	2	129	18	14	129	19	14	0423	6.7
09	D-15316	C-12217	L-1075	3	129	09	11	129	09	22	0423	6.7
95	D-15317	C-12218	L-1076	2	129	20	02	129	21	00	0424	6.7
85	D-15317	C-12218	L-1076	3	129	21	20	129	21	37	0424	6.7
	D-15321	C-12221	L-1080	2	130	06	54	130	07	44	0430	6.7
96	D-15321	C-12221	L-1080	3	130	07	55	130	08	36	0430	6.7
95	D-20070	C-16641	L-1081	2	153	21	22	153	22	20	0747	6.7
95	D-20070	C-16641	L-1081	2	153	21	22	153	22	20	0747	6.7
05	D-21966		L-1084	2	192	12	58	192	13	55	1266	6.7
25	D-20069	C-16640	L-1085	2	153	23	09	153	23	59	0750	6.7
15	D-20069	C-16640	L-1085	3	153	23	43	153	23	43	0750	6.7
06	D-20069	C-16640	L-1085	4	153	23	59	154	00	07	0750	6.7
89	D-20069	C-16640	L-1085	5	154	00	56	154	01	54	0750	6.7
89	D-20069	C-16640	L-1085	6	154	02	42	154	02	57	0750	6.7
29	D-15323	C-12222	L-1087	2	130	13	53	130	15	37	0434	6.7
99	D-15323	C-12222	L-1087	3	130	15	37	130	17	22	0435	6.7
99	D-20210		L-1092	2	154	08	08	154	09	03	0753	6.7
99	D-15325	C-12223	L-1093	2	130	19	08	130	19	08	0437	6.7
09	D-15325	C-12223	L-1093	3	130	19	15	130	20	17	0437	6.7
29	D-15325	C-12223	L-1093	4	130	20	34	130	20	51	0437	6.7
19	D-15328	C-12224	L-1097	2	131	06	10	131	06	57	0443	6.7
09	D-15328	C-12224	L-1097	3	131	07	17	131	07	50	0443	6.7
80	D-20211		L-1098	2	154	09	54	154	10	50	0754	6.7
80	D-15329	C-12225	L-1103	2	137	07	50	131	08	45	0444	6.7
00	D-15329	C-12225	L-1103	3	131	09	04	131	09	36	0444	6.7
90	D-20203		L-1105	2	154	11	40	154	12	38	0755	6.7
90	D-15333	C-12226	L-1112	2	131	20	14	131	21	15	0451	6.7
90	D-15333	C-12226	L-1112	3	131	21	31	131	21	55	0451	6.7
80	D-20204		L-1113	2	154	13	24	154	14	11	0756	6.7
10	D-15337	C-12230	L-1115	2	132	05	28	132	06	12	0456	6.7
00	D-15337	C-12230	L-1115	3	132	06	57	132	07	10	0456	6.7
80	D-20212		L-1116	2	154	15	13	154	16	12	0757	6.7
80	D-15339	C-12231	L-1117	2	132	08	51	132	09	45	0458	6.7
80	D-15339	C-12231	L-1117	3	132	10	37	132	11	33	0459	6.7
02	D-15341	C-12233	L-1120	2	132	15	25	132	15	54	0461	6.7
80	D-20216		L-1122	2	154	22	23	154	23	21	0764	6.7
90	D-20216		L-1122	3	155	00	10	155	01	08	0764	6.7
90	D-20216		L-1122	4	155	01	57	155	02	11	0764	6.7
02	D-15343	C-12234	L-1124	2	132	17	41	132	18	45	0463	6.7
02	D-15343	C-12234	L-1124	3	132	19	02	132	19	22	0463	6.7
12	D-15344	C-12235	L-1125	2	132	19	34	132	20	32	0464	6.7
00	D-15344	C-12235	L-1125	3	132	20	45	132	21	06	0464	6.7
61	D-20118	C-17037	L-1126	2	165	15	35	165	16	44	0905	6.7
81	D-20118	C-17037	L-1126	3	165	17	26	165	18	31	0906	6.7
01	D-15347	C-12238	L-1128	2	133	04	43	133	05	28	0469	6.7
81	D-15347	C-12238	L-1128	3	133	06	16	133	06	26	0469	6.7
91	D-21565		L-1132	2	269	14	52	269	15	07	2301	6.7
91	D-21896		L-1136	2	344	21	29	344	22	26	3312	6.7
01	D-15351	C-12278	L-1137	2	133	17	01	133	17	59	0476	6.7
21	D-15351	C-12278	L-1137	3	133	18	16	133	18	36	0476	6.7
11	D-21884		L-1138	2	033	21	29	033	22	12	4037	6.7
01	D-15352	C-12279	L-1140	2	133	18	48	133	19	46	0477	6.7
6	D-15352	C-12279	L-1140	3	133	20	03	133	20	20	0477	6.7
8	D-15353	C-12280	L-1142	2	133	20	35	133	21	43	0478	6.7
0	D-15353	C-12280	L-1142	3	133	21	50	133	22	08	0478	6.7
0	D-15355	C-12281	L-1143	2	134	05	42	134	06	35	0483	6.7
9	D-15355	C-12281	L-1143	3	134	06	46	134	07	30	0483	6.7
9	D-21621		L-1144	2	224	15	25	224	15	34	1697	6.7
0	D-15358	C-12283	L-1147	2	134	09	09	134	10	04	0485	6.7
0	D-15358	C-12283	L-1147	3	134	10	43	134	10	53	0485	6.7
0	D-20218	C-16677	L-1148	2	155	10	53	155	11	52	0768	6.7
0	D-15361	C-12285	L-1152	2	134	16	14	134	17	12	0489	6.7

		D-15363	C-12287	L-1156	2	134	19	42	134	19	43	0491	6.7
09		D-15363	C-12287	L-1156	3	134	19	49	134	20	47	0491	6.7
19		D-15363	C-12287	L-1156	4	134	20	59	134	21	24	0491	6.7
09		D-21866		L-1157	2	244	12	27	244	13	23	1964	6.7
06		D-15367	C-12290	L-1158	2	135	05	02	135	05	43	0496	6.7
06		D-15367	C-12290	L-1158	3	135	06	32	135	06	42	0496	6.7
06		D-20189		L-1160	2	165	12	11	165	13	10	0903	6.7
06		D-20189		L-1160	3	165	13	57	165	14	57	0904	6.7
06		D-21506		L-1161	2	250	02	28	250	03	25	2039	6.7
06		D-15369	C-12291	L-1163	2	135	10	07	135	11	05	0499	6.7
06		D-15369	C-12291	L-1163	3	135	11	53	135	12	52	0500	6.7
06		D-20267		L-1164	2	135	13	41	135	14	39	0501	6.7
19		D-20267		L-1164	3	135	14	56	135	15	24	0501	6.7
06		D-20268	C-16681	L-1168	2	135	17	14	135	18	14	0503	6.7
09		D-20268	C-16681	L-1168	3	135	18	24	135	18	50	0503	6.7
09		D-15157	C-11799	L-1170	2	106	16	07	106	17	06	0113	6.7
19		D-15157	C-11799	L-1170	3	106	17	54	106	18	54	0114	6.7
09		D-20271		L-1172	2	136	04	18	136	04	57	0509	6.7
09		D-20097		L-1173	2	139	17	37	139	17	38	0557	6.7
19		D-20097		L-1173	3	139	17	46	139	18	44	0557	6.7
09		D-20097		L-1173	4	139	18	58	139	19	21	0557	6.7
09		D-15311	C-12212	L-1175	2	129	07	38	129	08	30	0417	6.7
19		D-15311	C-12212	L-1175	3	129	09	11	129	09	22	0417	6.7
09		D-15313	C-12214	L-1176	2	129	11	06	129	12	05	0419	6.7
06		D-15313	C-12214	L-1176	3	129	12	50	129	13	37	0420	6.7
06		D-15348	C-12239	L-1181	2	133	06	26	133	07	15	0470	6.7
19		D-15348	C-12239	L-1181	3	133	07	32	133	08	05	0470	6.7
06		D-15254	C-12121	L-1182	2	122	11	00	122	12	04	0325	6.7
06		D-15254	C-12121	L-1182	3	122	12	51	122	13	51	0326	6.7
06		D-21593		L-1183	2	280	11	40	280	12	35	2447	6.7
06		D-15356	C-12282	L-1184	2	134	07	29	134	08	25	0484	6.7
06		D-15356	C-12282	L-1184	3	134	08	34	134	09	10	0484	6.7
19		D-15362	C-12286	L-1185	2	134	18	01	134	19	00	0490	6.7
06		D-15362	C-12286	L-1185	3	134	19	17	134	19	37	0490	6.7
06		D-21841		L-1186	2	219	13	41	219	14	41	1629	6.7
06		D-20272		L-1187	2	136	06	03	136	06	44	0510	6.7
19		D-20272		L-1187	3	136	07	01	136	07	42	0510	6.7
06		D-20273		L-1189	2	136	07	42	136	08	32	0511	6.7
06		D-20273		L-1189	3	136	08	47	136	09	22	0511	6.7
06		D-20126		L-1190	2	167	08	51	167	09	50	0928	6.7
06		D-20126		L-1190	3	167	10	39	167	11	37	0929	6.7
06		D-20274		L-1192	2	136	09	22	136	10	19	0512	6.7
19		D-20274		L-1192	3	136	11	10	136	12	06	0513	6.7
06		D-20274		L-1192	4	136	12	55	136	13	53	0514	6.7
06		D-20275		L-1194	2	136	14	37	136	15	41	0515	6.7
06		D-20275		L-1194	3	136	15	55	136	16	22	0515	6.7
19		D-20276		L-1195	2	136	16	30	136	17	28	0516	6.7
06		D-20276		L-1195	3	136	17	44	136	18	05	0516	6.7
06		D-20277		L-1198	2	136	20	04	136	21	02	0518	6.7
06		D-20277		L-1198	3	136	21	19	136	21	38	0518	6.7
06		D-20113		L-1199	2	145	16	38	145	18	29	0638	6.7
19		D-20113		L-1199	3	145	18	33	145	19	31	0638	6.7
19		D-20280		L-1203	2	137	06	56	137	07	46	0524	6.7
06		D-20280		L-1203	3	137	08	02	137	08	36	0524	6.7
06		D-20281		L-1204	2	137	08	36	137	09	32	0526	6.7
06		D-20281		L-1204	3	137	10	23	137	11	20	0526	6.7
06		D-15218	C-12011	L-1210	2	117	09	42	117	10	29	0257	6.7
06		D-15218	C-12011	L-1210	3	117	11	17	117	11	22	0257	6.7
06		D-20286	C-17039	L-1211	2	138	04	28	138	05	12	0536	6.7
06		D-20286	C-17039	L-1211	3	138	06	02	138	06	12	0536	6.7
06		D-20108	C-16668	L-1214	2	138	04	33	138	04	35	0537	6.7
06		D-20108	C-16668	L-1214	3	138	06	11	138	06	59	0537	6.7
06		D-20108	C-16668	L-1214	4	138	07	49	138	07	52	0537	6.7
06		D-20109		L-1216	2	138	07	51	138	08	47	0538	6.7

Year	Number of cases
1991	1
1992	2
1993	3
1994	4
1995	5
1996	7
1997	9
1998	13
1999	17
2000	19
2001	22
2002	23
2003	24
2004	26
2005	27
2006	28
2007	29
2008	30
2009	31
2010	34
2011	36
2012	37
2013	38
2014	40
2015	41
2016	42
2017	43
2018	46
2019	47
2020	48
2021	50
2022	51
2023	52
2024	55
2025	55
2026	55
2027	55
2028	55
2029	55
2030	55

D-15148	C-11792	L-1728	2	104	23	04	104	23	59	0092	6.7
D-15148	C-11792	L-1728	3	104	23	43	104	23	43	0092	6.7
D-15148	C-11792	L-1728	4	105	00	00	105	00	03	0092	6.7
D-15148	C-11792	L-1728	5	105	00	47	105	00	55	0092	6.7
D-15149	C-11845	L-1729	2	105	00	50	105	01	50	0092	6.7
D-15149	C-11845	L-1729	3	105	02	36	105	02	54	0092	6.7
D-15150	C-11793	L-1732	2	105	13	24	105	14	19	0098	6.7
D-15152	C-11794	L-1736	2	105	18	42	105	19	41	0101	6.7
D-15152	C-11794	L-1736	3	105	20	28	105	21	28	0102	6.7
D-15153	C-11795	L-1740	2	106	07	26	106	08	11	0108	6.7
D-15153	C-11795	L-1740	3	106	08	58	106	09	06	0108	6.7
D-15154	C-11796	L-1742	2	106	09	05	106	09	58	0109	6.7
D-15154	C-11796	L-1742	3	106	10	45	106	10	51	0109	6.7
D-15155	C-11797	L-1757	2	106	10	48	106	11	45	0110	6.7
D-15155	C-11797	L-1757	3	106	12	33	106	12	39	0110	6.7
D-15156	C-11798	L-1758	2	106	12	39	106	13	32	0111	6.7
D-15157	C-11799	L-1170	2	106	16	07	106	17	06	0113	6.7
D-15157	C-11799	L-1170	3	106	17	54	106	18	54	0114	6.7
D-15158	C-11800	L-1764	2	107	01	07	107	02	06	0119	6.7
D-15158	C-11800	L-1764	3	107	02	53	107	03	10	0119	6.7
D-15159	C-11801	L-1765	2	107	06	39	107	07	27	0121	6.7
D-15159	C-11801	L-1765	3	107	07	43	107	07	43	0121	6.7
D-15159	C-11801	L-1765	4	107	07	55	107	07	55	0121	6.7
D-15159	C-11801	L-1765	5	107	08	05	107	08	20	0121	6.7
D-15160	C-11802	L-1769	2	107	22	20	107	22	24	0133	6.7
D-15160	C-11802	L-1769	3	107	22	33	107	23	31	0133	6.7
D-15160	C-11802	L-1769	4	108	00	20	108	00	27	0133	6.7
D-15386	C-12352	L-1770	2	108	04	14	108	04	53	0133	6.7
D-15386	C-12352	L-1770	3	108	05	40	108	05	53	0133	6.7
D-15370	C-12292	L-1773	2	108	07	41	108	08	27	0135	6.7
D-15370	C-12292	L-1773	3	108	09	15	108	09	20	0135	6.7
D-15161	C-11803	L-1774	2	108	09	20	108	10	14	0136	6.7
D-15161	C-11803	L-1774	3	108	11	02	108	11	08	0136	6.7
D-15162	C-11804	L-1583	2	108	11	06	108	12	02	0137	6.7
D-15162	C-11804	L-1583	3	108	12	50	108	12	55	0137	6.7
D-15163	C-11805	L-8442	2	108	16	24	108	17	23	0139	6.7
D-15164	C-11806	L-8230	2	108	16	19	108	16	59	0140	6.7
D-15164	C-11806	L-8230	3	108	16	20	108	17	23	0140	6.7
D-15165	C-11807	L-2218	2	108	16	32	108	16	34	0141	6.7
D-15165	C-11807	L-2218	3	108	18	05	108	19	10	0141	6.7
D-15166	C-11808	L-1779	2	109	01	23	109	02	21	0146	6.7
D-15167	C-11809	L-8235	2	109	05	10	109	05	55	0147	6.7
D-15167	C-11809	L-8235	3	109	06	44	109	06	55	0147	6.7
D-15168	C-11855	L-8272	2	109	08	35	109	09	29	0149	6.7
D-15169	C-11856	L-1780	2	109	10	18	109	11	16	0150	6.7
D-15169	C-11856	L-1780	3	109	12	05	109	13	04	0151	6.7
D-15395	C-12510	L-1782	2	109	19	14	109	20	12	0155	6.7
D-15170	C-11857	L-1783	2	109	22	47	109	23	46	0160	6.7
D-15170	C-11857	L-1783	3	110	00	33	110	00	42	0160	6.7
D-15171	C-11858	L-1784	2	110	06	21	110	06	55	0161	6.7
D-15172	C-11859	L-2212	2	110	04	29	110	05	07	0162	6.7
D-15172	C-11859	L-2212	3	110	05	56	110	06	13	0162	6.7
D-15173	C-11860	L-1789	2	110	14	52	110	15	50	0166	6.7
D-15175	C-11861	L-1794	2	110	23	43	110	23	43	0173	6.7
D-15175	C-11861	L-1794	3	110	23	48	111	00	00	0173	6.7
D-15175	C-11861	L-1794	4	111	00	00	111	00	46	0173	6.7
D-15175	C-11861	L-1794	5	111	01	30	111	01	44	0173	6.7
D-15176	C-11862	L-1795	2	111	08	51	111	09	41	0176	6.7
D-15176	C-11862	L-1795	3	111	10	14	111	10	39	0176	6.7
D-15177	C-11863	L-1797	2	111	12	21	111	13	15	0178	6.7
D-15177	C-11863	L-1797	3	111	13	59	111	14	08	0178	6.7
D-15178	C-11864	L-1798	2	111	14	09	111	15	02	0179	6.7
D-15178	C-11864	L-1798	3	111	15	44	111	15	55	0179	6.7
D-15411	C-12509	L-1799	2	111	15	58	111	16	49	0180	6.7

NEUBUS 4 THOR
SORTED BY ORBIT No.

6.7 SORTED
By ORBIT No.

D-15181	C-11865	L-2229	2	112	13	16	112	13	22	0191	6.7
D-15181	C-11865	L-2229	3	112	13	21	112	14	15	0191	6.7
D-15182	C-11866	L-2231	2	112	15	06	112	16	02	0193	6.7
D-15183	C-11867	L-8432	2	113	10	52	113	11	40	0204	6.7
D-15183	C-11867	L-8432	3	113	12	23	113	12	38	0204	6.7
D-15184	C-11868	L-8433	2	113	12	38	113	13	27	0205	6.7
D-15184	C-11868	L-8433	3	113	14	07	113	14	24	0205	6.7
D-15185	C-11869	L-8434	2	113	14	22	113	15	14	0206	6.7
D-15186	C-11870	L-2236	2	113	17	52	113	18	48	0208	6.7
D-15186	C-11870	L-2236	3	113	19	37	113	20	35	0209	6.7
D-15187	C-11871	L-8435	2	113	21	20	113	22	22	0210	6.7
D-15189	C-11991	L-8437	2	113	23	07	114	00	00	0213	6.7
D-15189	C-11991	L-8437	3	113	23	43	113	23	43	0213	6.7
D-15189	C-11991	L-8437	4	114	00	00	114	00	10	0213	6.7
D-15189	C-11991	L-8437	5	114	00	25	114	00	30	0213	6.7
D-15189	C-11991	L-8437	6	114	00	49	114	01	12	0213	6.7
D-15188	C-11981	L-8436	2	114	01	06	114	01	57	0213	6.7
D-15188	C-11981	L-8436	3	114	02	46	114	03	09	0213	6.7
D-15188	C-11981	L-8436	4	114	05	00	114	05	34	0213	6.7
D-15190	C-11994	L-8438	2	114	05	00	114	05	34	0214	6.7
D-15190	C-11994	L-8438	3	114	05	46	114	05	48	0214	6.7
D-15190	C-11994	L-8438	4	114	06	14	114	06	43	0214	6.7
D-15191	C-11982	L-8439	2	114	06	42	114	07	18	0215	6.7
D-15191	C-11982	L-8439	3	114	07	58	114	08	24	0215	6.7
D-15192	C-11983	L-8440	2	114	08	20	114	09	05	0216	6.7
D-15192	C-11983	L-8440	3	114	09	54	114	10	08	0216	6.7
D-15194	C-11995	L-8443	2	114	15	21	114	16	13	0220	6.7
D-15194	C-11995	L-8443	3	114	17	05	114	17	05	0221	6.7
D-15194	C-11995	L-8443	4	114	18	49	114	20	00	0222	6.7
D-15195	C-11992	L-8447	2	115	00	21	115	01	21	0226	6.7
D-15196	C-11984	L-8448	2	115	00	21	115	01	21	0226	6.7
D-15195	C-11992	L-8447	3	115	02	03	115	02	23	0226	6.7
D-15196	C-11984	L-8448	3	115	02	05	115	02	22	0226	6.7
D-15198	C-11985	L-8450	2	115	04	15	115	04	55	0227	6.7
D-15198	C-11985	L-8450	3	115	05	29	115	05	33	0227	6.7
D-15198	C-11985	L-8450	4	115	05	38	115	05	54	0227	6.7
D-15199	C-11986	L-8451	2	115	05	58	115	06	42	0228	6.7
D-15200	C-11987	L-8452	2	115	07	40	115	08	30	0229	6.7
D-15200	C-11987	L-8452	3	115	09	11	115	09	21	0229	6.7
D-15201	C-11993	L-8453	2	115	09	21	115	10	17	0230	6.7
D-15202	C-11988	L-8454	2	115	12	51	115	13	51	0232	6.7
D-15202	C-11988	L-8454	3	115	14	38	115	14	38	0233	6.7
D-15202	C-11988	L-8454	4	115	16	24	115	17	25	0234	6.7
D-15204	C-11989	L-2238	2	115	21	43	115	21	43	0237	6.7
D-15204	C-11989	L-2238	3	115	21	48	115	22	47	0237	6.7
D-15205	C-11990	L-8459	2	116	01	21	116	02	21	0240	6.7
D-15205	C-11990	L-8459	3	116	03	09	116	03	27	0240	6.7
D-15206	C-11996	L-8460	2	115	23	43	115	23	43	0241	6.7
D-15206	C-11996	L-8460	3	115	23	55	116	00	00	0241	6.7
D-15206	C-11996	L-8460	4	116	00	00	116	00	34	0241	6.7
D-15206	C-11996	L-8460	5	116	05	15	116	05	55	0241	6.7
D-15206	C-11996	L-8460	6	116	06	43	116	06	56	0241	6.7
D-15207	C-11997	L-8461	2	116	06	53	116	07	42	0242	6.7
D-15208	C-12003	L-8462	2	116	08	36	116	09	29	0243	6.7
D-15208	C-12003	L-8462	3	116	10	03	116	10	08	0243	6.7
D-15208	C-12003	L-8462	4	116	10	18	116	10	22	0243	6.7
D-15209	C-12004	L-8463	2	116	10	21	116	11	17	0244	6.7
D-15209	C-12004	L-8463	3	116	11	59	116	12	07	0244	6.7
D-15211	C-12006	L-8465	2	116	13	52	116	14	51	0247	6.7
D-15211	C-12006	L-8465	3	116	15	38	116	16	38	0247	6.7
D-15211	C-12006	L-8465	4	116	17	21	116	18	25	0248	6.7
D-15212	C-12007	L-8468	2	116	19	13	116	20	12	0249	6.7
D-15213	C-12008	L-8469	2	116	21	00	116	21	59	0250	6.7
D-15214	C-12037	L-8470	2	117	00	37	117	01	34	0253	6.7

	D-21791	L-2559	2	321	15	53	321	16	23	2999	6.7	
49	D-21820	L-2714	2	322	13	34	322	14	19	3012	6.7	
19	D-21823	L-1558	2	322	15	10	322	16	06	3013	6.7	
09	D-21818	L-1305	2	322	15	13	322	15	34	3013	6.7	
05	D-21821	L-2487	2	322	16	58	322	17	53	3014	6.7	
25	D-21822	C-17261	L-2384	2	323	16	12	323	16	37	3027	6.7
35	D-21825		L-6489	2	324	10	10	324	11	00	3037	6.7
45	D-21825		L-6489	3	324	11	48	324	11	56	3037	6.7
55	D-21826		L-2383	2	324	15	27	324	15	58	3040	6.7
65	D-21829		L-1446	2	324	15	27	324	15	57	3040	6.7
75	D-21828		L-2885	2	325	16	24	325	16	55	3054	6.7
85	D-21824		L-1402	2	326	12	13	326	12	43	3065	6.7
95	D-21836		L-8800	2	326	13	58	326	14	50	3066	6.7
05	D-21837		L-1371	2	326	15	41	326	16	13	3067	6.7
15	D-21783		L-6401	2	327	13	13	327	14	04	3079	6.7
25	D-21786		L-6514	2	328	14	14	328	15	03	3093	6.7
35	D-21787		L-6414	2	329	13	28	329	14	17	3106	6.7
45	D-21630		L-2886	2	329	15	13	329	15	42	3107	6.7
55	D-21838		L-2117	2	330	16	11	330	16	32	3121	6.7
65	D-21833		L-1863	2	330	20	19	330	21	26	3123	6.7
75	D-21834		L-6419	2	331	13	43	331	14	32	3133	6.7
85	D-21834		L-6419	3	331	15	21	331	15	28	3133	6.7
95	D-21835		L-2381	2	331	15	26	331	15	48	3134	6.7
05	D-21830		L-1491	2	331	15	27	331	15	48	3134	6.7
15	D-21903		L-6448	2	332	12	57	332	13	45	3146	6.7
25	D-21898		L-2118	2	332	14	42	332	15	02	3147	6.7
35	D-21899		L-6521	2	333	13	58	333	14	47	3160	6.7
45	D-21900		L-6430	2	335	14	14	335	15	02	3187	6.7
55	D-21895		L-6523	2	336	13	29	336	14	16	3200	6.7
65	D-21896		L-1136	2	344	21	29	344	22	26	3312	6.7
75	D-21897		L-6559	2	354	10	39	354	10	51	3440	6.7
85	D-21917		L-6564	2	355	00	54	355	01	05	3449	6.7
95	D-21917		L-6564	3	355	02	37	355	02	49	3449	6.7
05	D-21916		L-6588	2	355	04	34	355	05	05	3450	6.7
15	D-21916		L-6588	3	355	07	41	355	07	56	3451	6.7
25	D-21661		L-8893	2	355	09	27	355	09	41	3452	6.7
35	D-21661		L-8893	3	355	09	41	355	10	26	3453	6.7
45	D-21653		L-6580	2	355	11	15	355	11	29	3453	6.7
55	D-21653		L-6580	3	355	13	03	355	13	14	3454	6.7
65	D-21658		L-6583	2	355	14	52	355	15	48	3456	6.7
75	D-21658		L-6583	3	355	16	40	355	17	35	3457	6.7
85	D-21655		L-7611	2	355	18	20	355	19	23	3458	6.7
95	D-21655		L-7611	3	355	20	12	355	21	10	3459	6.7
05	D-21615		L-6498	2	356	00	00	356	00	44	3463	6.7
15	D-21615		L-6498	3	356	01	33	356	02	03	3463	6.7
25	D-21619		L-6434	2	356	03	21	356	04	19	3463	6.7
35	D-21619		L-6434	3	356	06	55	356	07	14	3464	6.7
45	D-21618		L-8894	2	356	08	41	356	08	56	3465	6.7
55	D-21656		L-8871	2	356	10	19	356	10	19	3466	6.7
65	D-21656		L-8871	3	356	10	30	356	10	43	3466	6.7
75	D-21657		L-8895	2	356	12	16	356	12	28	3467	6.7
85	D-21657		L-8895	3	356	14	03	356	14	14	3468	6.7
95	D-21659		L-8875	2	356	15	56	356	16	49	3470	6.7
05	D-21660		L-7612	2	356	17	40	356	20	23	3471	6.7
15	D-21659		L-8875	3	356	20	09	356	20	33	3472	6.7
25	D-21887		L-6596	2	356	21	13	356	21	11	3473	6.7
35	D-21887		L-6596	3	356	23	16	356	23	58	3476	6.7
45	D-22350	C-17277	L-2138	2	365	09	53	365	11	00	3587	6.7
55	D-21888		L-8850	2	031	10	38	031	10	51	4004	6.7
65	D-21883		L-8827	2	032	09	45	032	10	28	4017	6.7
75	D-21884		L-1138	2	033	21	29	033	22	12	4037	6.7
85	D-21904		L-7264	2	036	06	45	036	07	24	4069	6.7
95	D-21904		L-7264	3	036	08	13	036	08	26	4069	6.7
05	D-21905		L-8821	2	049	07	31	049	08	10	4244	6.7

D-21613	L-8823	2	051	07 45	051	08 26	4271	6.7	
D-21617	L-6535	2	052	07 00	052	07 11	4284	6.7	
D-21617	L-6535	3	052	08 47	052	09 27	4285	6.7	
D-21663	L-8313	2	053	15 19	053	15 26	4302	6.7	
D-21663	L-8313	3	053	15 21	053	15 26	4302	6.7	
D-21662	C-17244	L-7676	2	076	10 02	076	10 47	4608	6.7
D-21666	L-8844	2	084	05 50	084	06 28	4714	6.7	

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	D-15357	C-12333	L-1145	2	134	07 30	134	09 09	0484	11.5
29	D-15357	C-12333	L-1145	3	134	09 09	134	10 53	0485	11.5
19	D-15371	C-12334	L-1592	2	100	08 23	100	10 03	0028	11.5
09	D-15371	C-12334	L-1592	3	100	10 09	100	11 48	0029	11.5
05	D-15372	C-12335	L-2443	2	102	05 18	102	05 48	0053	11.5
05	D-15372	C-12335	L-2443	3	102	05 48	102	06 55	0053	11.5
05	D-15373	C-12336	L-1594	2	102	07 01	102	07 30	0054	11.5
95	D-15374	C-12337	L-1596	2	102	08 42	102	10 22	0055	11.5
95	D-15375	C-12338	L-1597	2	101	23 25	102	00 00	0056	11.5
95	D-15375	C-12338	L-1597	3	101	23 43	101	23 43	0056	11.5
05	D-15375	C-12338	L-1597	4	102	00 00	102	01 28	0056	11.5
05	D-15376	C-12339	L-1598	2	305	15 43	305	16 03	2785	11.5
15	D-15377	C-12340	L-1755	2	103	18 22	103	18 57	0074	11.5
05	D-15378	C-12341	L-1599	2	306	13 12	306	13 33	2797	11.5
05	D-15379	C-12342	L-1600	2	307	15 56	307	16 16	2812	11.5
89	D-15380	C-12343	L-2436	2	105	08 46	105	09 53	0095	11.5
89	D-15381	C-12344	L-1730	2	105	11 37	105	13 23	0097	11.5
19	D-15381	C-12344	L-1730	3	105	15 07	105	16 53	0098	11.5
99	D-15381	C-12344	L-1730	4	105	16 38	105	16 38	0099	11.5
99	D-15382	C-12345	L-1734	2	105	16 38	105	16 38	0100	11.5
99	D-15382	C-12345	L-1734	3	105	16 53	105	18 35	0100	11.5
29	D-15383	C-12346	L-1737	2	105	18 36	105	20 20	0101	11.5
19	D-15383	C-12346	L-1737	3	105	20 19	105	22 17	0102	11.5
09	D-15384	C-12347	L-1741	2	106	07 25	106	09 05	0108	11.5
05	D-15385	C-12348	L-1760	2	106	14 24	106	16 06	0112	11.5
05	D-15387	C-12349	L-1768	2	108	04 17	108	05 53	0133	11.5
05	D-15387	C-12349	L-1768	3	108	06 34	108	07 41	0134	11.5
05	D-15388	C-13139	L-1775	2	108	09 21	108	11 08	0136	11.5
95	D-15388	C-13139	L-1775	3	108	11 07	108	12 55	0137	11.5
95	D-15388	C-13139	L-1775	4	108	12 53	108	13 33	0138	11.5
95	D-15389	C-12351	L-1777	2	108	14 40	108	16 21	0139	11.5
95	D-15389	C-12351	L-1777	3	108	17 00	108	18 06	0140	11.5
10	D-15389	C-12351	L-1777	4	108	18 06	108	18 42	0141	11.5
05	D-15390	C-12350	L-2447	2	108	21 25	108	21 25	0143	11.5
05	D-15390	C-12350	L-2447	3	108	21 37	108	22 25	0143	11.5
05	D-15391	C-12491	L-2620	2	109	01 24	109	03 27	0146	11.5
05	D-15394	C-12492	L-2654	2	109	15 37	109	17 20	0153	11.5
05	D-15394	C-12492	L-2654	3	109	17 20	109	19 04	0154	11.5
05	D-15394	C-12492	L-2654	4	109	19 04	109	20 50	0155	11.5
05	D-15396	C-12493	L-2613	2	109	20 49	109	22 38	0156	11.5
05	D-15396	C-12493	L-2613	3	109	22 32	109	22 38	0156	11.5
05	D-15397	C-12494	L-2614	2	110	00 38	110	02 41	0159	11.5
05	D-15398	C-12495	L-2615	2	109	22 39	110	00 00	0160	11.5
05	D-15398	C-12495	L-2615	3	109	23 43	109	23 43	0160	11.5
05	D-15398	C-12495	L-2615	4	110	00 00	110	00 42	0160	11.5
05	D-15399	C-12496	L-2642	2	109	22 39	109	23 35	0160	11.5
05	D-15401	C-12497	L-2449	2	110	13 08	110	14 53	0165	11.5
05	D-15401	C-12497	L-2449	3	110	14 53	110	16 37	0166	11.5
05	D-15402	C-12498	L-8383	2	110	16 37	110	18 17	0167	11.5
05	D-15403	C-12499	L-1119	2	110	18 19	110	20 04	0168	11.5
05	D-15404	C-12500	L-2556	2	110	20 04	110	21 42	0169	11.5
05	D-15404	C-12500	L-2556	3	110	21 52	110	23 41	0170	11.5
05	D-15405	C-12501	L-2450	2	110	23 41	111	01 44	0173	11.5
05	D-15407	C-12502	L-2558	2	111	05 29	111	06 10	0174	11.5
05	D-15408	C-12503	L-2452	2	111	08 54	111	10 38	0176	11.5
05	D-15409	C-12504	L-2453	2	111	12 23	111	14 09	0178	11.5
05	D-15409	C-12504	L-2453	3	111	14 08	111	15 55	0179	11.5
05	D-15410	C-12505	L-2100	2	177	22 25	178	00 00	1073	11.5
05	D-15410	C-12505	L-2100	3	177	23 43	177	23 43	1073	11.5
05	D-15410	C-12505	L-2100	4	178	00 00	178	00 18	1073	11.5
05	D-15412	C-12506	L-2456	2	111	19 20	111	21 05	0182	11.5
05	D-15413	C-12507	L-2612	2	111	21 06	111	22 53	0183	11.5
05	D-15419	C-12508	L-1870	2	112	15 43	112	16 49	0193	11.5
05	D-15424	C-12621	L-2470	2	114	01 16	114	03 11	0213	11.5

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SORTED BY 'D' NUMBER

	D-15425	C-12622	L-2471	3	113	23	43	113	23	43	0213	11.5
29	D-15425	C-12622	L-2471	4	114	00	00	114	01	12	0213	11.5
19	D-15427	C-12623	L-2474	2	114	08	22	114	10	08	0216	11.5
09	D-15427	C-12623	L-2474	3	114	10	08	114	11	53	0217	11.5
85	D-15428	C-12624	L-2552	2	114	12	30	114	13	37	0218	11.5
85	D-15428	C-12624	L-2552	3	114	13	36	114	15	21	0219	11.5
85	D-15430	C-12625	L-2426	2	114	20	35	114	21	16	0223	11.5
95	D-15431	C-12626	L-2479	2	115	00	19	115	02	23	0226	11.5
95	D-15432	C-12627	L-2480	2	114	22	23	114	23	19	0227	11.5
95	D-15433	C-12628	L-2481	2	115	04	18	115	05	54	0227	11.5
95	D-15434	C-12629	L-2609	2	114	23	19	114	23	42	0227	11.5
95	D-15434	C-12629	L-2609	3	114	23	43	114	23	43	0227	11.5
95	D-15434	C-12629	L-2609	4	114	23	55	115	00	00	0227	11.5
19	D-15434	C-12629	L-2609	5	115	00	00	115	00	26	0227	11.5
05	D-15435	C-12630	L-2608	2	115	07	40	115	09	21	0229	11.5
89	D-15435	C-12630	L-2608	3	115	09	20	115	11	08	0230	11.5
89	D-15437	C-12631	L-2483	2	115	14	37	115	16	20	0233	11.5
19	D-15437	C-12631	L-2483	3	115	16	57	115	18	04	0234	11.5
99	D-15438	C-12632	L-2485	2	115	18	03	115	19	49	0235	11.5
99	D-15438	C-12632	L-2485	3	115	19	48	115	20	25	0236	11.5
99	D-15438	C-12632	L-2485	4	115	20	30	115	21	37	0236	11.5
99	D-15439	C-12633	L-2487	2	116	01	23	116	03	27	0240	11.5
19	D-15440	C-12634	L-2488	2	115	23	48	116	00	00	0240	11.5
09	D-15440	C-12634	L-2488	3	115	23	43	115	23	43	0240	11.5
85	D-15440	C-12634	L-2488	4	116	00	00	116	01	28	0240	11.5
85	D-15442	C-12635	L-2490	2	116	09	15	116	10	22	0243	11.5
15	D-15445	C-12636	L-2564	2	116	17	20	116	19	04	0248	11.5
95	D-15445	C-12636	L-2564	3	116	19	04	116	20	52	0249	11.5
95	D-15445	C-12636	L-2564	4	116	21	31	116	22	38	0250	11.5
95	D-15446	C-12637	L-8214	2	116	22	38	117	00	41	0253	11.5
85	D-15446	C-12637	L-8214	3	117	00	37	117	02	39	0254	11.5
85	D-15447	C-12638	L-8215	2	117	07	52	117	09	36	0256	11.5
15	D-15447	C-12638	L-8215	3	117	09	31	117	09	36	0256	11.5
05	D-15448	C-12639	L-1377	2	117	13	08	117	14	53	0259	11.5
85	D-15448	C-12639	L-1377	3	117	14	48	117	16	35	0260	11.5
95	D-15449	C-12640	L-1257	2	117	17	14	117	18	21	0261	11.5
15	D-15449	C-12640	L-1257	3	117	18	43	117	20	07	0262	11.5
95	D-15450	C-12641	L-1469	2	117	20	06	117	21	52	0263	11.5
95	D-15450	C-12641	L-1469	3	117	21	52	117	23	41	0264	11.5
95	D-15451	C-12642	L-2287	2	118	00	38	118	01	45	0267	11.5
85	D-15451	C-12642	L-2287	3	118	01	39	118	03	43	0267	11.5
85	D-15452	C-12643	L-1238	2	118	05	26	118	07	11	0268	11.5
15	D-15453	C-12644	L-1239	2	118	10	46	118	12	23	0271	11.5
05	D-15454	C-12645	L-1252	2	118	14	08	118	15	51	0273	11.5
81	D-15454	C-12645	L-1252	3	118	15	50	118	17	36	0274	11.5
81	D-15456	C-12646	L-2638	2	119	00	52	119	02	56	0280	11.5
11	D-15457	C-12647	L-2639	2	118	22	54	119	00	00	0280	11.5
81	D-15457	C-12647	L-2639	3	118	23	43	118	23	43	0280	11.5
91	D-15457	C-12647	L-2639	4	118	00	00	119	00	58	0280	11.5
91	D-15458	C-12818	L-1259	2	119	04	46	119	06	28	0281	11.5
91	D-15458	C-12818	L-1259	3	119	06	27	119	07	00	0282	11.5
11	D-15459	C-12819	L-1747	2	119	08	07	119	09	52	0283	11.5
11	D-15461	C-12820	L-8220	2	119	20	09	119	20	09	0290	11.5
81	D-15461	C-12820	L-8220	3	119	20	21	119	20	55	0290	11.5
8	D-15462	C-12821	L-2495	2	120	00	04	120	02	10	0294	11.5
8	D-15463	C-12822	L-2496	2	119	22	08	120	00	00	0294	11.5
8	D-15463	C-12822	L-2496	3	119	23	43	119	23	43	0294	11.5
8	D-15463	C-12822	L-2496	4	120	00	00	120	00	11	0294	11.5
9	D-15465	C-12823	L-1265	2	120	09	08	120	10	51	0297	11.5
9	D-15465	C-12823	L-1265	3	120	10	51	120	12	38	0298	11.5
9	D-15465	C-12823	L-1265	4	120	12	38	120	14	24	0299	11.5
9	D-15467	C-12824	L-1270	2	120	16	06	120	17	53	0301	11.5
9	D-15467	C-12824	L-1270	3	120	17	51	120	19	34	0302	11.5
9	D-15468	C-12825	L-2214	2	120	19	26	120	20	14	0303	11.5