

DATA SET CATALOG #68

ALOUETTE 1+2
DATA AVAILABILITY

62-049A-00G

5 tapes

65-098A-00E

1 tape

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1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC
INFORMATION SYSTEM:

<http://nssdc.gsfc.nasa.gov/nmc/>

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

- a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
<http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/>

- b. Core Catalog Materials

ALOUETTE 1

INDEX OF AVAILABLE DATA, TAPE

62-049A-00G

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY TWO 7-TRACK, 800 BPI TAPES 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 TAPES WERE CREATED ON AN IBM 7094 COMPUTER AND THE RESTORED TAPES WERE CREATED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005431	DS005431	D004896	1	01/01/66 - 12/31/66
		D004897	2	01/01/67 - 12/31/67

ALOUETTE 2

CRC INDEX OF DATA AVAILABLE, TAPE

65-098A-00E

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED
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
AN IBM 360 COMPUTER AND WAS RESTORED ON THE MRS SYSTEM. THE DR
AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND THE TIME
SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR004686	DS004686	D005796	1	11/29/65 - 12/31/66

ALCETTE 1 DATA AVAILABILITY
62-049A-00G

Tapes are 556, BCD, 7-track and 1 file.
Each record consists of 138 characters in length.
Tapes D-04896 & C-02552 cover the period from Jan. 1, 1966 to Dec. 31, 1966.
Tapes D-04897 & C-02553 cover the period from Jan. 1, 1967 to Dec. 31, 1967.
The year is not indicated in the actual data.
The year was indicated on the tapes when we received them.

COLUMNS

1-4	Blank
5-7	Day
8	Blank
9-11	Station
12	Blank
13-17	Tape Number
18-22	Blank
23-26	GMT Start
27	Blank
28-31	GMT Stop
32-33	Blank
34-37	LMT Start
38	Blank
39-42	LMT Stop
43-44	Blank
45-49	Latitude Start
50	Blank
51-55	Latitude Stop
56-57	Blank
58-63	Longitude Start
64	Blank
65-70	Longitude Stop
71-72	Blank
73-76	HGT Start
77	Blank
78-81	HGT Stop
82-85	Blank
86-88	DIP Start-
89-90	Blank
91-93	DIP Stop
94-97	Blank
98-101	F H Start
102	Blank
103-106	F H Stop
107-113	Blank
114-117	Sounding Start
118	Blank
119-122	Sounding Stop
123-126	Blank
127-130	*VLF Start
131	Blank
132-135	VLF Stop
136-138	Blank

*The VLF Start and Stop is not indicated in every record.

$$a_1 = 6$$

April 1966

atoh

SOUNDING STEP	DAY	STATION	TIME H:M	LMT		LMT		LMT		LONG		LAT		SEP
				START	STOP	START	STOP	START	STOP	START	STOP	START	STOP	
915	3	COL	11430	905	915	945	1010	30.5	-3.4	9.7	13.5	1001	1004	5
920	3	COL		919	929	1017	1044	-13.5	-43.8	19.4	19.1	1008	1029	-4
932	3	ULA	10440	1023	1032	2254	128	50.5	77.7	-172.2	-135.9	1023	1021	6
942	3	LES	27320	1033	1042	227	953	19.0	62.2	-121.5	-27.2	1020	1011	8
951	3	LES	11720	1069	1051	936	949	30.1	25.6	-15.3	-16.1	1003	1001	5
1047	3	UAL	10700	1138	1147	2116	2152	-51.5	-21.7	145.1	151.1	1054	1043	-7
225	3	COL	28120	1213	1225	2331	917	55.0	70.0	169.4	-82.0	1026	1013	7
230	3	LES	27420	1227	1230	422	913	80.5	54.1	-112.4	-49.2	1019	1008	8
412	3	LES	27130	1403	1412	125	940	77.7	65.5	170.5	-83.0	1021	1012	8
425	3	DTT	45810	1411	1425	825	950	58.0	22.3	-88.4	-86.7	1013	1000	8
431	3	FTL	13710	1423	1431	945	1005	29.1	1.9	-84.6	-66.6	1001	1002	6
447	(3	SMT	-0710	1433	1443	1009	1036	-8.9	-38.6	-60.0	-61.8	1004	1025	1
479	3	COL	11070	1434	1430	1011	1024	-8.3	-25.2	-63.7	-63.8	1005	1015	1
501	3	COL	28120	1550	1601	257	912	80.1	54.2	168.8	-102.3	1020	1005	8
752	3	COL	24300	1631	1641	1040	1317	-46.9	-77.3	-80.2	-50.9	1031	1053	-6
752	3	COL	25130	1737	1752	456	937	80.3	36.0	169.7	-123.8	1018	1006	9
185	4	ULI	0720	168	150	2138	2156	-32.3	-8.8	-62.5	-59.7	1047	1130	-2
218	4	LES	0240	207	210	2226	2338	31.0	67.6	-85.3	-40.1	1028	1024	6
404	4	DTT	45810	351	404	2221	2345	26.5	69.1	-82.6	-68.7	1028	1024	9
545	4	COL	10440	539	540	2228	2322	34.6	64.4	-107.9	-96.4	1028	1025	6
555	4	LES	27330	640	650	2322	710	64.4	70.1	-90.4	10.1	1025	1015	4
917	4	LES	0017	917	917	2217	2301	28.0	57.8	-162.4	-153.9	1028	1020	4
	4	ULA	0600	913	927	2230	515	44.7	80.0	-150.8	-63.0	1027	1017	6

COMPUTING CENTRE

COMMUNICATIONS RESEARCH CENTRE

LAT		LONG		HGT		DIP		PH		SOUNDING
START	STEP	START	STEP	START	STEP	START	STEP	START	STEP	START
30.0	-1.4	9.7	13.5	1001	1009	53	-25	.12	.55	406
-13.0	-47.8	14.4	19.1	1008	1029	-63	-62	.56	.61	919
50.5	77.7	-172.2	-135.9	1028	1021	64	86	.88	1.06	1023 1
70.0	62.2	-121.5	-27.2	1020	1011	88	75	1.06	.97	1033 1
30.1	25.6	-18.3	-16.1	1003	1001	57	30	.80	.67	1049 1
-51.5	-21.7	145.1	151.1	1054	1053	-78	-50	1.14	.87	1138 1
65.0	70.0	169.4	-62.0	1026	1013	74	84	1.00	1.05	1213 1
80.5	54.1	-119.4	-89.2	1019	1008	88	74	1.06	.99	1220 1
77.7	65.5	170.5	-83.0	1021	1012	83	85	1.06	1.07	1403 1
68.0	22.3	-86.4	-86.7	1013	1000	85	54	1.07	.81	1411 1
20.1	1.9	-69.6	-86.6	1001	1002	61	26	.88	.59	1423 1
-4.9	-32.6	-60.0	-61.5	1004	1025	15	-37	.53	.52	1433 1
-8.3	-25.2	-60.7	-63.0	1006	1015	10	-19	.51	.48	1434 1
80.1	54.2	186.4	-102.3	1020	1008	85	78	1.06	1.07	1550 1
-46.4	-77.3	-80.2	-50.9	1031	1053	-49	-68	.67	.89	
60.3	38.0	169.7	-123.8	1018	1002	55	60	1.06	.89	1737 1
-32.3	-11.8	-62.5	-59.7	1047	1118	-30	9	.40	.49	146
31.0	07.6	-55.3	-40.1	1028	1024	50	80	.85	1.00	207
26.5	09.1	-62.6	-64.7	1028	1024	59	84	.86	1.05	351
36.8	64.4	-107.9	-96.4	1028	1025	62	84	.92	1.08	539
64.4	78.1	-99.4	18.1	1025	1015	96	81	1.08	1.01	548
24.0	57.8	-162.4	-153.9	1028	1026	61	72	.67	.98	807
46.7	80.0	-158.8	-63.0	1027	1017	61	87	.85	1.05	913

COMMUNICATIONS RESEARCH CENTRE

VLF 20-40
 40-100 kHz
 100-1000 kHz

927	4 SES 27330	(923 939)	47	837	76.0	64.8	-128.9	-13.9	1021	1011	88	76
933	4 SES 27330	966 954	939	1053	26.1	-5.8	-1.2	2.3	1081	1065	40	-28
956	4 ULS 00650	1102 1114	2257	645	56.2	77.4	-76.7	-67.4	1026	1016	67	86
114	4 SES 27330	1112 1126	634	852	60.4	59.9	-95.8	-37.6	1018	1009	90	75
126	4 SES 27330	1255 1304	138	876	75.1	64.7	-171.6	-67.1	1020	1011	86	83
304	4 SES 27330	1443 1452	629	859	66.4	56.8	-153.4	-88.3	1018	1008	86	81
452	4 OTT 45513	1448 1503	812	944	60.4	19.9	-99.8	-79.8	1013	1000	86	52
583	4 OTT 1108	1503 1512	944	1005	14.9	-16.7	-79.8	-76.8	1008	1007	52	5
812	4 OTT 10720	1511 1522	1003	1035	-7.3	-44.3	-77.1	-71.7	1006	1030	11	-44
822	5 SES 00708	59 110	2214	2334	32.4	68.3	-40.6	-24.0	1027	1023	58	78
110	5 OTT 45510	243 252	2214	2354	27.3	57.2	-67.3	-59.5	1027	1026	59	75
252	5 OTT 45524	429 438	2215	2287	28.9	58.7	-93.6	-85.2	1027	1025	59	82
438	5 SES 27330	623 632	2253	129	57.0	80.5	-116.6	-46.8	1026	1018	78	85
632	5 ULS 00650	805 816	2231	14	45.5	73.9	-143.4	-120.0	1027	1021	64	86
816	5 SES 27330	814 824	14	819	73.9	67.0	-120.0	-1.1	1021	1011	88	76
824	5 ULS 00650	952 1001	2234	119	56.9	77.6	-166.5	-132.7	1028	1020	64	86
801	5 SES 27330	1002 1007	208	795	78.5	76.4	-118.5	-46.6	1019	1014	38	53
807	5 ULS 00650	1141 1150	2363	520	51.7	79.8	-170.6	-97.4	1025	1016	72	90
150	4 SES 27330	1150 1159	520	857	70.8	54.3	-97.4	-45.4	1016	1007	66	74
158	5 SES 27330	1238 1346	552	585	75.8	49.4	-115.8	-76.1	1018	1003	88	76
340	5 OTT 45520	1340 1354	809	934	60.7	22.5	-92.8	-54.4	1012	1001	86	54
350	5 OTT 1108	1358 1406	944	1003	8.9	-18.3	-63.4	-80.8	1001	1012	34	-8
406	1358 1406											

COMPUTING CENTRE

COMMUNICATIONS RESEARCH CENTRE

OCT 22 1959

37	76.0	64.5	-128.0	-13.9	1021	1011	86	76	1.06	.96	923
63	25.1	-5.5	-1.2	2.3	1001	1005	40	-28	.59	.53	944
45	56.2	77.4	178.7	-67.4	1025	1010	67	86	.93	1.05	1102 1
52	80.4	59.9	-95.5	-37.0	1018	1009	96	75	1.06	.98	1112 1
36	70.1	64.7	-171.6	-67.1	1020	1011	84	83	1.06	1.05	1255 1
59	50.4	56.8	-153.4	-86.3	1018	1008	86	81	1.06	1.08	1443 1
44	80.4	10.9	-99.0	-79.8	1013	1000	86	52	1.08	.80	1448 1
15	10.9	-10.7	-79.8	-76.8	1000	1007	52	5	.86	.52	1503 1
35	-7.3	-44.3	-77.1	-71.7	1006	1030	11	-44	.53	.59	1511 1
34	32.4	60.3	-60.0	-24.0	1027	1023	56	78	.70	.98	59
54	27.3	57.2	-67.3	-59.5	1027	1026	59	78	.65	1.02	243
57	20.9	58.7	-93.6	-65.2	1027	1025	59	82	.88	1.07	429
28	57.0	80.5	-112.5	-46.0	1026	1018	78	85	1.06	1.04	523
14	45.5	73.9	-143.4	-120.0	1027	1021	64	86	.91	1.07	805
19	73.9	67.0	-120.0	-1.1	1021	1011	86	76	1.07	.97	814
13	50.4	77.6	-168.3	-132.7	1025	1020	64	86	.89	1.08	952 1
35	70.5	76.4	-137.5	-40.6	1019	1014	88	83	1.06	1.02	1002 1
20	81.7	73.8	170.0	-97.4	1025	1010	72	90	.98	1.06	1141 1
67	70.8	58.3	-97.4	-45.4	1016	1007	96	74	1.06	.98	1150 1
85	75.0	60.4	-135.0	-70.1	1018	1005	98	76	1.07	1.03	1336 1
34	60.7	22.5	-82.5	-64.9	1012	1001	86	54	1.07	.80	1340 1
03	9.9	-18.3	-63.4	-60.8	1001	1012	30	-8	.65	.47	1358 1

COMMUNICATIONS RESEARCH CENTRE

PARTIAL OF FRONT AND BACK

LISTING OF C-02552 WHICH IS THE DUPE OF D-04896.

FORMAT CHANGES AFTER REC. 5,186.

EOF PUT AFTER REC. 5186

WHEN WE RECEIVED THESE TAPES THERE WAS NO
EOF AFTER THE MALOQUETTE I DATA AVAIL. DATA.

THERE IS NOW AN EOF AFTER THE DATA.

1	.76	1 QUI 1195B	333 342	2217 2237	-12.7	17.6	-79.1	-76.2	1040	1032	0	4
			0333 0342 00									
7	1.05	1 GRK 1056B	531 545	2246 51	29.3	74.3	-101.2	-73.5	1030	1025	58	8
			00									
7	1.02	1 RES 2727A	540 550	2329 607	59.1	79.5	-92.7	4.2	1029	1019	82	8
			0540 0550 00									
8	1.05	1 ULA 0063B	907 920	2303 447	45.8	80.5	-151.0	-68.4	1030	1020	63	8
			0907 0920 00									
6	.97	1 RES 2727B	916 926	48 852	74.2	66.7	-126.9	-8.5	1025	1013	85	7
			00									
1	.74	1 WNK 1120B	929 936	923 958	57.1	33.8	-1.4	5.4	1010	1002	70	4
			0929 0936 00									
1	.65	1 KND 0152	937 947	1001 1025	30.4	-3.5	5.9	9.6	1001	1003	43	-2
			00									
4	1.04	1 COL 2800A	1246 1257	20 850	71.3	66.8	173.6	-61.7	1025	1013	79	8
			00									
6	1.01	1 RES 2728A	1251 1300	442 922	80.5	57.2	-122.2	-54.5	1020	1010	88	7
			00									
6	1.06	1 RES 2728B	1438 1447	629 931	78.9	52.4	-122.2	-78.9	1018	1008	87	7
			1438 1447 00									
1	.76	1 SOL 2438A	1517 1522	1105 1145	-48.8	-64.9	-62.9	-54.3	1031	1043	-47	-6
			1517 1522 00									
6	1.08	1 ULA 0064A	1621 1630	317 912	80.1	60.6	163.9	-109.5	1021	1011	85	8
			00									
6	.53	2 SOL 2438B	208 217	2041 2147	-67.8	-38.7	-81.7	-67.5	1056	1049	-64	-3
			0208 0217 00									
8	.50	2 SNT 0970A	220 226	2157 2212	-28.7	-8.6	-65.8	-63.5	1046	1038	-25	5
			0220 0226 00									
2	.54	2 QUI 1196B	227 228	2214 2216	-5.2	-1.9	-63.2	-62.9	1037	1036	15	21
			0227 0228 00									
3	1.01	2 CIT 4547B	237 248	2238 2340	28.4	64.7	-59.7	-46.9	1030	1027	59	71
			00									
6	1.06	2 DTT 4548A	422 431	2236 2316	26.7	56.6	-85.4	-78.8	1030	1028	58	60
			00									
7	1.03	2 RES 2729A	617 626	2319 419	58.2	80.5	-104.5	-31.6	1028	1020	80	54
			00									
6	.98	2 RES 2729B	809 817	128 832	77.3	69.0	-100.4	3.9	1022	1014	89	77
			00									
8	1.06	2 COL 2800B	945 955	2258 151	48.2	78.3	-161.7	-120.9	1029	1022	63	87
			00									
6	.96	2 RES 2729C	954 1004	105 853	76.1	64.4	-132.3	-17.7	1023	1012	85	76
			00									
2		2 COL 2801A	1134 1143	2321 454	59.6	80.4	176.7	-102.3	1028	1019	70	90

237	-12.7	17.6	-79.1	-76.2	1040	1032	0	49	.5	REC	1. LENGTH	138
51	29.3	74.3	-101.2	-73.5	1030	1025	58	86	.8	REC	2. LENGTH	138
607	59.1	79.5	-92.7	4.2	1029	1019	82	83	1.0	REC	3. LENGTH	138
447	45.8	80.5	-151.0	-68.4	1030	1020	63	87	.8	REC	4. LENGTH	138
852	74.2	66.7	-126.9	-8.5	1025	1013	85	76	1.0	REC	5. LENGTH	138
958	57.1	33.8	-1.4	5.4	1010	1002	70	48	.9	REC	6. LENGTH	138
025	30.4	-3.5	5.9	9.6	1001	1003	43	-25	.7	REC	7. LENGTH	138
850	71.3	66.8	173.6	-61.7	1025	1013	79	82	1.0	REC	8. LENGTH	138
922	80.5	57.2	-122.2	-54.5	1020	1010	88	77	1.0	REC	9. LENGTH	138
931	78.9	52.4	-122.2	-78.9	1018	1008	87	78	1.0	REC	10. LENGTH	138
145	-48.8	-64.9	-62.9	-54.3	1031	1043	-47	-60	.6	REC	11. LENGTH	138
912	80.1	60.6	163.9	-109.5	1021	1011	85	81	1.0	REC	12. LENGTH	138
147	-67.8	-38.7	-81.7	-67.5	1056	1049	-64	-38	.8	REC	13. LENGTH	138
212	-28.7	-8.6	-65.8	-63.5	1046	1038	-25	9	.4	REC	14. LENGTH	138
216	-5.2	-1.9	-63.2	-52.9	1037	1036	15	21	.5	REC	15. LENGTH	138
340	28.4	64.7	-59.7	-46.9	1030	1027	59	79	.8	REC	16. LENGTH	138
316	26.7	56.6	-86.4	-78.8	1030	1028	58	80	.8	REC	17. LENGTH	138
419	58.2	80.5	-104.5	-31.6	1028	1020	80	84	1.0	REC	18. LENGTH	138
832	77.3	69.0	-100.4	3.9	1022	1014	89	77	1.0	REC	19. LENGTH	138
151	48.2	78.3	-161.7	-120.9	1029	1022	63	87	.8	REC	20. LENGTH	138
853	76.1	64.4	-132.3	-17.7	1023	1012	85	76	1.0	REC	21. LENGTH	138
854	59.6	80.4	176.7	-102.3	1028	1019	70	90	.9	REC	22. LENGTH	138

6	1.05	1134 1143	00											
		2 RES 2720A	1143 1152	454	510	80.4	88.5	-102.3	-39.0	1019	1009	90	74	
6	.97	1143 1152	00											
		2 HAL 00340	1247 1256	2130	2201	-49.0	-19.1	130.7	138.2	1053	1042	-77	-46	
	.97	1247 1256	00											
		2 RES 2730B	1326 1335	148	852	78.3	64.6	-174.5	-70.8	1022	1012	84	83	
6	1.06	1326 1335	00											
		2 CTT 4548B	1333 1345	820	950	70.7	31.5	-78.2	-58.6	1014	1001	86	61	
6	.97	1333 1345	00											
		2 RES 2730C	1516 1525	629	927	77.4	50.0	-124.1	-89.4	1017	1006	87	77	
7	1.06	1516 1525	00											
		2 CTT 4549A	1519 1534	829	1000	69.3	19.7	-102.6	-63.6	1014	1000	86	51	
8	.79	1519 1534	00											
		2 QUT 1196C	1535 1544	1002	1023	10.3	-14.2	-83.2	-80.2	1000	1008	47	-2	
6	.51	1535 1544	00											
		2 SNT 0470B	1545 1554	1025	1056	-17.6	-47.8	-79.9	-74.5	1010	1031	-9	-46	
1	.63	1545 1554	00											
		2 SOL 2439A	1549 1605	1036	1440	-31.1	-79.7	-78.1	-21.3	1019	1054	-36	-69	
3	.40	1549 1605	00											
		2 ULA 0064B	1700 1709	526	918	60.0	55.0	-173.5	-117.9	1018	1008	85	75	
6	1.05	1700 1709	00											
		2 GRK 1054A	1708 1719	910	958	58.3	21.5	-119.5	-110.3	1009	1000	78	48	
6	.78	1708 1719	00											
		3 SNT 0471A	251 300	2124	2156	-49.6	-19.7	-81.6	-76.0	1053	1042	-50	-11	
7	.49	251 300	00											
		3 QUT 1197A	301 310	2158	2219	-16.3	14.0	-75.6	-72.7	1041	1031	-5	45	
6	.71	301 310	00											
		3 FTH 2370B	309 321	2217	2257	10.6	50.8	-73.1	-66.0	1032	1024	41	76	
8	1.01	309 321	00											
		3 CTT 4549B	312 326	2224	2342	20.7	66.9	-72.0	-56.1	1030	1025	53	82	
9	1.33	312 326	00											
		3 RES 2731A	324 331	2318	235	60.6	79.7	-61.4	-14.0	1027	1020	80	83	
3	1.02	324 331	00											
		3 RES 2731B	508 517	2306	310	55.7	80.2	-90.8	-31.8	1028	1020	80	84	
7	1.03	508 517	00											
		3 RES 2731C	655 703	2317	348	60.5	80.5	-114.5	-48.8	1027	1019	80	86	
6	1.04	655 703	00											
		3 COL 2801B	836 850	2447	544	47.6	79.0	-147.2	-46.6	1028	1019	84	85	
1.04		836 850	00											
		3 RES 2732A	846 855	107	836	76.7	88.8	-114.8	-4.8	1022	1012	87	76	
7	.97	846 855	00											
		3 KND 0153A	906 918	945	1010	30.6	-3.4	9.7	13.5	1001	1014	43	-25	

916	80.4	56.5	-102.3	-39.0	1019	1009	90	74	1.0	REC	23. LENGTH	138
2201	-49.0	-19.1	130.7	136.2	1053	1042	-77	-48	1.1	REC	24. LENGTH	138
852	78.3	64.6	-174.5	-70.8	1022	1012	84	83	1.0	REC	25. LENGTH	138
950	70.7	31.5	-78.2	-58.6	1014	1001	86	61	1.0	REC	26. LENGTH	138
927	77.4	50.0	-124.1	-89.4	1017	1006	87	77	1.0	REC	27. LENGTH	138
1000	69.3	19.7	-102.6	-83.6	1014	1000	86	51	1.0	REC	28. LENGTH	138
1023	16.3	-14.2	-83.2	-80.2	1006	1008	47	-2	.7	REC	29. LENGTH	138
1056	-17.6	-47.8	-79.9	-74.6	1010	1031	-9	-48	.5	REC	30. LENGTH	138
1440	-31.1	-79.7	-78.1	-21.3	1019	1054	-36	-69	.5	REC	31. LENGTH	138
918	80.0	55.0	-173.5	-117.9	1018	1008	85	76	1.0	REC	32. LENGTH	138
958	58.3	21.5	-119.5	-110.3	1009	1000	78	48	1.0	REC	33. LENGTH	138
2156	-49.6	-19.7	-81.6	-76.0	1053	1042	-50	-11	.6	REC	34. LENGTH	138
2219	-16.3	14.0	-75.6	-72.7	1041	1031	-5	45	.4	REC	35. LENGTH	138
2257	10.6	50.8	-73.1	-66.0	1032	1028	41	76	.6	REC	36. LENGTH	138
2342	20.7	66.9	-72.0	-56.1	1030	1025	53	82	.7	REC	37. LENGTH	138
235	60.6	79.7	-61.4	-14.0	1027	1020	80	83	1.0	REC	38. LENGTH	138
310	55.7	80.2	-90.6	-31.8	1028	1020	80	84	1.0	REC	39. LENGTH	138
348	60.5	80.5	-114.5	-48.8	1027	1019	80	86	1.0	REC	40. LENGTH	138
544	45.6	79.6	-147.2	-46.6	1028	1018	64	85	.8	REC	41. LENGTH	138
836	76.7	66.8	-114.8	-4.8	1022	1012	87	76	1.0	REC	42. LENGTH	138
1010	30.6	-3.4	9.7	13.5	1001	1004	43	-25	.7	REC	43. LENGTH	138

A. DUETTE II DATA AVAILABILITY
63-058A-608

Tapes are 800 BCD, 1 file.
Each record consists of 138 characters in length.
Tapes D-5796 9th, and C-4529 7th, cover period
from Nov. 29, 1965 to Dec. 31, 1966.

<u>COLUMNS</u>	
1	Blank
2-4	Day
5-6	Blank
7-9	Station
10	Blank
11-16	Tape Number
15-16	Blank
17-20	GMT Start
21	Blank
22-25	GMT Stop
26-27	Blank
28-31	LMT Start
32	Blank
33-36	LMT Stop
37-38	Blank
39-43	LAT Start
44	Blank
45-49	LAT Stop
50-51	Blank
52-57	Long Start
58	Blank
59-64	Long Stop
65	Blank
66-70	HGT Start
71	Blank
72-76	HGT Stop
77	Blank
78-80	DIP Start
81-83	Blank
84-87	FM Start
88-89	Blank
90-93	*Sounding Start
94	Blank
95-98	Sounding Stop
99-100	Blank
101-104	**VLF Start
105	Blank
106-109	VLF Stop
110-111	Blank
112-115	***NRC Start
116	Blank
117-120	NRC Stop
121-122	Blank
123-126	***PROBE Start
127	Blank
128-131	PROBE Stop
132-138	Blank

*The Sounding Start and Stop is not indicated in every record.
**The VLF - Start and Stop is not indicated in every record.
***The NRC - Start and Stop is not indicated in every record.
***The PROBE - Start and Stop is not indicated in every record.

CPC of Data Available

55-4734: CDE, new data set

D-5796

ALBUQUERQUE II

NOVEMBER 1965

DAY	TAPE	GMT		LMT		LAT		LONG		HGT		DIP	FW
	NO	START	STOP	START	STOP	START	STOP	START	STOP	START	STOP	START	START S
333	CAL 001	612	643	1346	2059	79.1	27.2	117.3	-146.1	2111.	2281.	84	.35
333	ULA 001	614	641	1442	2055	79.8	27.7	127.1	-146.6	2170.	2388.	84	.37
333	ULA 002	640	642	2053	2057	29.8	25.5	-146.2	-146.3	2388.	2386.	50	.36
333	ULA 003	814	839	1321	2047	79.5	35.2	74.8	-178.1	2086.	2378.	83	.38
333	RES 001	815	833	1414	2029	79.5	44.2	80.7	179.1	2145.	2401.	84	.45
333	CAL 002	815	839	1414	2047	79.5	35.2	80.7	-178.1	2145.	2378.	84	.38
333	WNC 0015	1000	1013	946	1151	34.6	74.1	-74.6	24.4	1104.	1738.	52	.72
333	RAL 001	1259	1312	2116	2142	-2.3	-30.0	124.2	127.5	2743.	2139.	-23	.67
333	SNT 001A	1342	1350	835	906	-43.6	-11.7	-74.8	-71.1	550.	583.	-43	.61
333	GUT 001	1347	1400	856	934	-23.7	26.3	-72.7	-66.4	517.	939.	-18	.87
333	FTT 001	1354	1406	917	957	4.0	46.6	-69.3	-69.1	664.	1300.	31	.88
333	FTT 001	1359	1419	931	1347	22.8	79.1	-66.9	-8.1	884.	2128.	55	.69
333	RES 002	1413	1426	1053	1452	67.0	72.0	-40.9	66.5	1756.	2500.	81	.61
333	FTT 002	1607	1623	985	1610	45.1	79.6	-91.1	-3.1	1272.	2274.	73	.66
333	RES 003	1615	1628	1100	1901	68.3	71.9	-74.7	38.2	1793.	2527.	85	.59
333	FTT 003	1822	1828	1347	1829	79.1	74.5	-64.5	2	2137.	2459.	87	.61
333	CAL 003A	1822	1829	1347	1851	79.1	72.9	-68.8	5.5	2137.	2477.	87	.59
333	RES 004	1822	1834	1347	1953	79.1	62.4	-68.8	19.7	2137.	2214.	87	.52
333	WNC 002A	1832	1834	1935	1953	66.7	62.4	16.7	19.7	2637.	2714.	76	.52
333	CAL 003B	2011	2023	959	1322	48.4	78.4	-154.1	-105.4	1346.	2112.	65	.72
333	FTT 004	2020	2023	1137	1922	73.2	78.6	-130.7	-105.4	1929.	2112.	84	.72
334	FTT 005	31	54	1742	2048	77.3	28.8	-109.3	-61.4	2396.	2398.	88	.40
334	ULA 004	224	237	1125	1921	72.2	68.7	138.3	-109.0	1911.	2608.	80	.60
334	FTT 006	236	307	1907	2108	70.8	3.4	-112.3	-89.8	2565.	2546.	84	.32
334	KNS 001A	807	818	911	946	3.2	42.4	14.0	22.0	669.	1745.	-14	.75
334	WNC 003A	815	833	935	1415	32.4	79.4	10.9	85.4	1061.	2185.	45	.69
334	RES 005	831	843	1238	1936	77.3	65.5	61.7	163.3	2078.	2677.	82	.56
334	NFL 001A	1217	1229	930	1043	29.2	66.2	-41.7	-26.5	1011.	1774.	53	.75
334	FTT 007	1218	1229	934	1043	32.6	66.2	-41.1	-26.5	1070.	1774.	57	.75
334	SNT 001B	1354	1407	818	957	-49.9	-14.1	-85.0	-77.6	574.	581.	-50	.61
334	GUT 003	1406	1418	854	928	-18.1	27.5	-78.1	-72.5	535.	987.	-10	.88
334	FTT 008	1415	1437	919	1347	16.7	79.2	-74.0	-12.4	828.	2179.	49	.68
334	RES 006	1434	1447	1148	1929	74.6	66.6	-91.5	70.6	2000.	2646.	83	.57
334	GRK 001B	1621	1638	933	1322	32.8	78.7	-102.1	-49.1	1078.	2194.	82	.69
334	FTT 009	1622	1639	936	1415	36.2	79.6	-101.4	-36.0	1138.	2211.	65	.68
334	RES 007	1632	1645	1042	1836	66.3	73.7	-87.5	27.7	1784.	2521.	85	.60

COMPUTING CENTRE

COMMUNICATIONS RESEARCH CENTRE

DEC 17 1970

ALPHABET II

NOVEMBER 1945

LAT		LONG		WGT		DIP		FM		SHUNTING		VLF		MRC		PRRRE	
ART	STNO	START	STNO	START	STOP	START	STOP	START	STOP	START	STOP	START	STOP	START	STOP	START	STOP
19.1	23.3	117.3	-146.1	2111.	2221.	84		35	0613	0643	0613	0643				0626	0643
19.8	27.7	127.1	-146.6	2170.	2228.	84		37	0614	0641	0614	0641					
19.8	25.5	-146.2	-146.3	2228.	2228.	50		36	0640	0642	0640	0642					
19.5	35.0	74.4	-172.1	2086.	2272.	83		30	0814	0839	0814	0839				0814	0839
19.5	48.0	89.7	179.1	2145.	2221.	80		48	0815	0833	0815	0833	0815	0833		0815	0833
19.5	35.0	89.7	-172.1	2145.	2272.	84		38	0815	0833	0815	0833				0815	0833
19.6	74.1	33.6	24.4	1104.	1348.	59		72	1000	1019	1000	1019	1000	1019		1000	1019
2.3	-24.0	124.2	127.5	2743.	2129.	-23		67								1259	1312
3.6	-11.7	-74.2	-71.1	550.	553.	-43		61	1342	1350	1342	1350				1342	1350
3.7	26.3	-72.7	-68.4	517.	529.	-18		87	1347	1400	1347	1400				1347	1400
4.0	46.6	-69.3	-62.1	664.	1200.	31		88			1354	1404	1354	1404		1354	1404
2.4	79.1	-64.9	-8.1	886.	2128.	55		69	1359	1418	1359	1418	1359	1418		1359	1418
7.0	72.0	-49.9	-66.5	1756.	2500.	81		61	1413	1426	1413	1426	1413	1426		1413	1426
5.1	79.6	-92.1	-3.1	1272.	2274.	73		66	1607	1623	1607	1623	1607	1623		1607	1623
8.3	71.0	-72.7	38.2	1793.	2527.	85		59	1615	1628	1615	1628	1615	1628		1615	1628
9.1	74.8	-68.8	2	2137.	2409.	87		61	1822	1828	1822	1828	1822	1828		1822	1828
9.1	72.0	-68.8	5.5	2137.	2407.	87		59	1822	1829	1822	1829	1822	1829		1822	1829
9.1	62.0	-68.8	10.7	2137.	2714.	87		59	1822	1834	1822	1834	1822	1834		1822	1834
6.7	62.4	15.7	19.7	2637.	2714.	76		52	1832	1834	1832	1834	1832	1834		1832	1834
8.4	78.6	-154.3	-105.4	1346.	2112.	65		72	2011	2023	2011	2023	2011	2023		2011	2023
3.2	78.6	-130.7	-105.4	1929.	2112.	84		72	2020	2023	2020	2023	2020	2023		2020	2023
7.3	28.8	-107.3	-61.4	2396.	2298.	88		40	0031	0054	0031	0054	0031	0054		0031	0054
2.2	68.7	138.3	-109.0	1911.	2608.	80		60			0224	0237					
0.8	3.4	-112.3	-89.8	2569.	2306.	84		32	0255	0307	0255	0307	0255	0307		0255	0307
8.2	42.4	14.0	22.0	669.	1245.	-14		75	0307	0818	0307	0818	0307	0818		0307	0818
8.4	79.6	19.9	85.4	1061.	2195.	45		69	0815	0833	0815	0833	0815	0833		0815	0833
7.3	48.5	61.7	163.3	2078.	2677.	82		56	0831	0843	0831	0843	0831	0843		0831	0843
9.2	66.2	-41.7	-26.5	1011.	1774.	53		75	1217	1229	1217	1229	1217	1229		1217	1229
2.6	66.2	-41.1	-26.5	1070.	1774.	57		75	1218	1229	1218	1229	1218	1229		1218	1229
9.9	-14.1	-85.0	-77.6	574.	581.	-50		61	1358	1407	1358	1407	1358	1407		1358	1407
8.1	27.5	-78.1	-72.5	535.	987.	-10		88	1405	1418	1405	1418	1405	1418		1405	1418
6.7	79.0	-74.0	-12.4	828.	2179.	49		68	1415	1437	1415	1437					
4.6	66.6	-91.5	70.6	2000.	2666.	83		57	1434	1447	1434	1447	1434	1447		1434	1447
2.8	73.7	-102.1	-49.1	1078.	2154.	42		69	1621	1638	1621	1638	1621	1638		1621	1638
6.2	79.6	-101.4	-34.0	1138.	2211.	65		68	1622	1639	1622	1639	1622	1639		1622	1639
6.3	73.7	-87.5	27.7	1784.	2521.	85		60	1632	1645	1632	1645	1632	1645		1632	1645

COMMUNICATIONS RESEARCH CENTRE

KEY TO STATION IDENTIFICATION

CODE	NAME	LONG	LAT
FTM	FORT MYERS, FLORIDA	-81.9	26.5
CUI	QUITO, ECUADOR	-78.6	-00.6
SNT	SANTIAGO, CHILE	-70.7	-33.1
NFL	ST. JOHN'S, NEWFOUNDLAND	-52.8	47.7
NEM	ST. JOHN'S, NEWFOUNDLAND	-52.8	47.7
CHL	COLLEGE, FAIRBANKS, ALASKA	-147.8	66.6
GRK	EAST GRAND FORKS, MINNESOTA	-93.0	48.0
PNK	WINDFIELD ENGLAND	0.7	51.4
J98	JOHANNESBURG, SOUTH AFRICA	27.7	-25.8
93M	MORRIS, AUSTRALIA	136.9	31.4
ULA	UNIVERSITY 9E ALASKA, FAIRBANKS, ALASKA	-147.6	64.9
VAL	ORRVAL VALLEY (NEAR CANBERRA), AUSTRALIA	-148.9	-35.6
SPR	SOUTH POINT, HAWAII	-155.2	19.9
HAW	KAUAI, HAWAII	-155.7	21.1
KAU	KAUAI, HAWAII	-155.7	21.1
S9L	FALKLAND ISLANDS, SOUTH ATLANTIC	-57.8	-51.6
RES	RESOLUTE BAY, NORTH WEST TERRITORIES	-94.8	74.6
9TT	9TTAB, QATARIS	-75.8	45.3
KNR	KAUS, NIGERIA	8.0	12.0
BLR	BOULDER, COLORADO	-105.2	40.0
TRM	TRUSSARD, NORWAY	18.9	69.6
TRD	BYRD STATION, ANTARCTICA	-113.6	-80.0
KSH	KASHIMA, JAPAN	140.6	35.0
QDG	QUAGADIGU, SOUTH AFRICA	-18.6	12.4
PRL	PRINCE ALBERT, SASKATCHEWAN	-106.6	53.6
AGA	ANTOFAGASTA, CHILE	-70.7	-23.6

COMPUTING CENTRE

COMMUNICATIONS RESEARCH CENTRE

RECORDS AVAILABLE FROM ALBUQUERQUE II

COMPUTING CENTRE

COMMUNICATIONS RESEARCH CENTRE

0253 0321 0253 0323

364 BLC 114 824 917 2013 2206 71.6 22.6 -130.3 -107.9 2923. 2689. 83 .42 0454 05

0454 0517 0454 0517

364 JOR 543A 806 820 948 1025 -39.6 5.3 25.0 31.4 565. 1053. -62 .57
0608 0820

364 WNK 551 1025 1052 1045 1645 29.9 79.8 3.9 88.2 1931. 2766. 42 .57 1029 10

1029 1052 1029 1052

364 RAL 449B 1326 1354 2226 2353 -10.5 -69.7 132.9 149.8 2014. 922. -36 1.24 1336 13

1336 1354 1336 1354

364 SOL 568B 1407 1415 906 957 -60.0 -28.9 -74.8 -64.4 529. 635. -56 .56 1407 14

1407 1415 1407 1415

364 GNT 428B 1410 1415 934 1010 -48.4 -13.7 -69.1 -62.3 535. 787. -46 .53 1410 14

1410 1415 1410 1415

364 QUI 598B 1621 1635 1011 1048 -11.5 35.0 -92.5 -80.8 616. 1653. -2 .72 1621 16

1621 1635 1621 1635

364 FTM 164 1629 1648 1031 1208 16.4 65.6 -89.4 -70.0 1265. 2420. 46 .63 1629 16

1629 1648 1629 1648

364 QIT 506 1641 1655 1111 1533 51.7 79.7 -82.4 -20.5 2034. 2727. 77 .57 1641 16

1641 1655 1641 1655

364 RES 784B 1651 1706 1302 2048 70.7 65.2 -57.2 55.6 2567. 2574. 85 .60 1651 17

1651 1706

364 BLC 114 1832 1855 1035 1425 21.8 78.5 -119.3 -67.6 1368. 2676. 46 .59 1832 18

1832 1855 1832 1855

364 RES 785 1851 1906 1231 2033 71.9 68.1 -94.9 21.8 2506. 2959. 86 .50 1851 18

1851 1906 1851 1906

365 RAL 445A 18 27 936 1055 -44.0 -12.3 139.5 145.6 949. 839. -74 .82 0018 00

0018 0027 0018 0027

365 SNP 469A 0229 0241 1010 1041 -8.2 31.5 115.3 120.1 870. 1546. -34 .64 0229 02

0229 0241 0229 0241

365 RES 786 256 316 1216 2116 70.3 55.4 140.0 -90.5 2480. 2987. 78 .52
0256 0316 0256 0316 0256 0316

365 QIT 507 316 336 2105 2210 59.6 7.9 -92.7 -82.2 2990. 2384. 81 .39
0316 0336 0316 0336 0316 0336

365 FTM 165 333 347 2156 2525 22.3 -12.1 -87.5 -60.4 2655. 1932. 54 .36
0333 0347 0333 0347 0333 0347

365 SOL 507 353 405 2040 8 -30.5 -69.2 -76.2 -59.3 1554. 854. -29 .68
1353 0405

365 RAL 416 726 746 2139 2321 44.5 -0.0 -147.9 -141.9 2932. 2037. 63 .46 0726 0

0726 0746 0726 0746

365 WNK 559 1047 1110 1040 1710 32.4 79.6 -1.8 90.0 1627. 2912. 47 .56 1047 1

1047 1110 1047 1110

365 SNT 425 1426 1436 532 1028 -44.0 -0.0 -73.9 -67.5 554. 607. -43 .54 1426 1

.6	20.6	-130.3	-107.9	2923.	2684.	31	.42	0454	0517	REC	8633.	LENGTH	132
.6	5.3	25.0	31.4	565.	1053.	-62	.57			REC	8634.	LENGTH	132
.2	79.2	1.9	88.2	1531.	2760.	42	.57	1029	1052	REC	8635.	LENGTH	132
.5	-85.7	132.9	149.8	2014.	922.	-36	1.24	1336	1354	REC	8636.	LENGTH	132
.2	-28.9	-74.8	-64.4	529.	635.	-56	.56	1407	1415	REC	8637.	LENGTH	132
.4	-11.7	-69.1	-62.3	535.	787.	-46	.53	1410	1419	REC	8638.	LENGTH	132
.5	30.0	-92.5	-86.8	810.	1651.	-2	.73	1621	1635	REC	8639.	LENGTH	132
.4	68.6	-89.4	-70.0	1265.	2426.	46	.63	1629	1648	REC	8640.	LENGTH	132
.7	70.7	-82.4	-20.5	2034.	2727.	77	.57	1641	1655	REC	8641.	LENGTH	132
.7	65.2	-57.2	55.0	2567.	2974.	85	.58	1651	1706	REC	8642.	LENGTH	132
.5	70.5	-119.3	-67.5	1368.	2676.	46	.59	1832	1855	REC	8643.	LENGTH	132
.9	66.1	-34.9	21.8	2505.	2959.	86	.50	1851	1906	REC	8644.	LENGTH	132
.8	-12.3	134.5	145.0	549.	839.	-74	.83	001E	0027	REC	8645.	LENGTH	132
.2	31.6	119.3	120.1	870.	1590.	-34	.64	0229	0241	REC	8646.	LENGTH	132
.3	55.4	140.0	-90.5	2480.	2987.	78	.52			REC	8647.	LENGTH	132
.6	7.9	-92.7	-82.2	2930.	2384.	81	.39			REC	8648.	LENGTH	132
.3	-13.1	-83.5	-80.4	2655.	1932.	54	.36			REC	8649.	LENGTH	132
.5	-60.2	-76.2	-50.3	1554.	854.	-19	.88			REC	8650.	LENGTH	132
.5	-0.0	-147.9	-141.9	2932.	2037.	63	.40	0726	0748	REC	8651.	LENGTH	132
.4	79.5	-1.0	90.0	1627.	2812.	47	.56	1047	1110	REC	8652.	LENGTH	132
.5	-0.5	-73.9	-67.5	554.	907.	-63	.54	1426	1436	REC	8653.	LENGTH	132

362	BLD	1124	1801	1810	1084	1320	31.6	75.0	-105.7	-74.4	1902.	2527.	68	.62	1801
362	RES	779	1814	1835	1223	2119	58.9	50.4	-37.9	41.1	2358.	2979.	85	.48	1814
			1815	1834	1815	1835									
362	RES	780	2010	2033	1128	2051	53.2	67.4	-130.6	4.4	1992.	2940.	72	.50	2010
			2010	2033	2010	2033									
362	RAL	4444	2340	2352	944	1021	-48.8	-13.8	150.3	157.3	528.	750.	-75	.88	2340
			2343	2351	2343	2352									
363	RES	781	220	238	1211	2018	67.2	71.9	147.8	-94.3	2331.	2901.	76	.55	2220
			0220	0238	0220	0238									
363	OTT	902	212	305	1937	2226	75.4	6.4	-104.0	-69.8	2655.	2431.	87	.37	0233
			0233	0305	0233	0305									
363	FIM	183	257	311	2211	2837	25.9	-3.9	-71.5	-69.6	2751.	2109.	57	.34	0257
			0257	0311	0257	0311									
363	OTT	903	436	454	2105	2211	72.8	24.1	-125.6	-101.9	2393.	2740.	84	.42	0436
			0436	0454	0436	0454									
363	ULA	488	831	653	1455	2149	79.1	43.8	97.1	-166.0	2653.	2952.	83	.43	0831
			0831	0653	0831	0653									
363	WAK	561	1012	1024	1652	1151	30.3	63.1	10.0	21.7	1501.	2249.	42	.61	1012
			1012	1024	1012	1024									
363	SOL	8664	1345	1354	502	947	-63.8	-44.5	-71.7	-61.8	519.	540.	-58	.67	1345
363	SNP	459	1504	1523	2155	2240	38.1	-18.1	103.7	109.3	2902.	1884.	52	.61	1500
			1500	1523	1500	1523									
363	FIM	183	1610	1624	1034	1120	10.0	52.3	-84.1	-76.1	1113.	2005.	38	.71	1610
			1610	1624	1610	1624									
363	BLD	1129	1623	1635	1115	1307	49.6	75.9	-77.0	-42.1	1944.	2590.	76	.60	1623
			1623	1635	1623	1635									
363	RES	782	1627	1648	1138	2050	39.9	66.4	-72.2	50.4	2185.	2958.	81	.51	1627
			1627	1648	1627	1648									
363	OTT	904	1826	1838	1122	1446	53.8	78.9	-106.0	-57.9	2044.	2653.	77	.59	1826
			1826	1838	1826	1838									
363	RES	783	2029	2054	1121	2113	57.8	63.1	-134.8	4.7	2141.	2936.	75	.47	2029
			2029	2054	2029	2054									
363	WAK	562	2050	2117	2035	2219	68.2	3.8	-2.7	15.4	2444.	2451.	77	.32	2050
			2050	2117	2050	2117									

.5	75.3	-105.7	-74.4	1902.	2507.	60	.62	1801	1818	REC	8612, LENGTH	132
.9	60.4	-87.9	41.1	2356.	2979.	85	.48	1815	1835	REC	8613, LENGTH	132
.2	67.4	-130.6	4.4	1992.	2940.	72	.50	2010	2033	REC	8614, LENGTH	132
.8	-13.8	150.3	157.3	528.	750.	-75	.68	2343	2362	REC	8615, LENGTH	132
.2	71.9	147.8	-94.3	2331.	2901.	76	.55	0220	0235	REC	8616, LENGTH	132
.4	6.4	-104.0	-69.8	2655.	2431.	87	.37	0233	0305	REC	8617, LENGTH	132
.4	-8.9	-71.5	-64.6	2751.	2109.	57	.34	0257	0311	REC	8618, LENGTH	132
.9	24.1	-125.6	-101.9	2393.	2740.	84	.42	0436	0459	REC	8619, LENGTH	132
.1	43.8	97.1	-166.0	2653.	2952.	83	.43	0831	0853	REC	8620, LENGTH	132
.3	63.1	10.0	21.7	1501.	2249.	42	.61	1012	1024	REC	8621, LENGTH	132
.2	-44.5	-71.7	-61.8	539.	540.	-58	.67			REC	8622, LENGTH	132
.1	-18.1	103.7	109.3	2902.	1884.	52	.61	1500	1523	REC	8623, LENGTH	132
.0	52.3	-84.1	-76.1	1113.	2006.	38	.71	1610	1624	REC	8624, LENGTH	132
.6	75.9	-77.0	-43.1	1944.	2590.	76	.60	1623	1635	REC	8625, LENGTH	132
.9	66.4	-72.2	60.4	2195.	2958.	81	.61	1627	1648	REC	8626, LENGTH	132
.8	78.9	-166.0	-57.9	2044.	2659.	77	.59	1826	1838	REC	8627, LENGTH	132
.8	63.1	-134.5	4.7	2141.	2936.	75	.47	2029	2054	REC	8628, LENGTH	132
.2	8.8	-2.7	15.4	2948.	2451.	77	.32	2050	2117	REC	8629, LENGTH	132
.1	79.7	-160.8	-155.8	2059.	2706.	68	.89			REC	8630, LENGTH	132
.0	68.9	151.6	-95.2	2506.	2946.	80	.54	0240	0254	REC	8631, LENGTH	132
.8	4.7	-98.9	-73.4	2430.	2497.	87	.37	0253	0323	REC	8632, LENGTH	132

1428 1434 1428 1434

365 QUT 699 1435 1449 1000 1035 -17.5 29.2 -68.8 -63.2 755. 1578. -6. .68 1435 14
1435 1445 1435 1445

365 FTM 166 1471 1502 1021 1140 10.9 64.5 -65.6 -58.4 1193. 2367. 41 .62 1442 15
1442 1501 1443 1502

365 OTT 908 1452 1502 1057 1140 46.9 64.5 -59.6 -58.4 1263. 2367. 72 .63 1455 15
1455 1501 1455 1502

365 OTT 509 1651 1711 1037 1423 31.5 78.6 -93.4 -42.1 1619. 2758. 62 .58 1651 17
1651 1711 1651 1711

365 ULA 467 2054 2115 1043 1023 37.5 78.2 -153.3 -43.9 1755. 2869. 56 .65 2056 21
2056 2115 2056 2115

2.5 29.2 -65.6 -67.2 755. 1578. -5 .68 1435 1449 REC 8654. LENGTH 132

2.9 64.5 -65.6 -50.4 1193. 2367. 41 .63 1442 1502 REC 8655. LENGTH 132

2.9 64.5 -65.6 -50.4 1193. 2367. 72 .63 1455 1502 REC 8656. LENGTH 132

2.0 78.6 -93.4 -42.1 1619. 2708. 52 .58 1651 1711 REC 8657. LENGTH 132

2.8 78.0 -153.3 -43.9 1765. 2869. 56 .58 2056 2119 REC 8658. LENGTH 132