#306

ISIS 2

EXPERIMENT OPERATION LOG

71-024A-00F

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

ISIS 2

EXP OPERATION LOG, TAPE

71-024A-00F XXN0-00432

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ONE 9-TRACK, 800 BPI TAPE WRITTEN IN EBCDIC. 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. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDIND D NUMBER AND TIME SPAN IS AS FOLLOWS:

| DR# | DS# | D# | FILES | TIME SPAN |
|---|---|---|---|---|
| DR005620 | DS005620 | D019055 | 37 | 12/01/74 - 12/31/74 |

| REQ AGENT | RAND # | ACQ. AGENT |
|---|---|---|
| CMT | RC3703 | LLD |

ISIS 2

EXPERIMENT OPERATION LOG

71-024A-00F

This data set consists of 1 data tape that was produced on an IBM 360/75 computer. The tape is 9 track, 800 BPI and written in ~~EBCDIC~~ ASCII. There is one file for each calender month, in time order from December 1971 through to and including December 1974. There is a total of 37 files. Listed below is the tape D + C numbers.

| D# | C# | FILES | TIME SPAN |
|---|---|---|---|
| D-19055 | C-15747 | 37 | 12/01/71 - 12/31/74 |

R. Post: retain for file Mat for dist.

B 26567

71-024A — COF
R Post

PLEASE NOTE

With the receipt of the October 1972 ISIS-II spacecraft turn-on summary your files should now be complete i.e. launch to April 1973 inclusively. Please notify SATCON if there are any gaps in your data. We are now processing monthly data on a real-time basis and the results will be mailed approximately 3 weeks after the end of each month.

During the several phases of summary outputs, the original program was modified to try and give a more accurate picture of actual spacecraft experimental modes. Hence the degree of accuracy will depend upon the date that a certain month was processed.

SATCON started processing at the December 1971 summary. Summaries generated previous to December 1971 must be considered as general guides only. Changes were gradually made to the program from this month onwards to the point that at present, SATCON feels that the monthly summaries give an accurate picture of the ISIS-II experimental turn-ons and modes. We would appreciate any comment on improvements or corrections which could be made to the present summaries.

28 May 1973

71-12

Title = Explanation of Comments used in ISIS-II Listings

Author = Whitaker, J.

The following list may be used as an aid in interpreting the comments in the ISIS-II Experimental Listings.

| | |
|---|---|
| A1, B1, C1, D1, G1 | - data transmitted directly to ground |
| A2, B2, C2, D2, G2 | - data stored on on-board recorder |
| AC SPEC | - pass scheduled in conjuction with aircraft flight |
| ASCS | - Attitude Sensing and Control System |
| ATO | - Automatic Turn Off |
| BEACON OUT | - 136.41 MHz beacon off |
| CMD = CMS | - spacecraft command operations |
| DELETED | - scheduled pass deleted |
| D | - on-board recorder dump pass |
| DL | - dump and load programmer pass |
| EXC IN | - VLF Exciter on |
| FFx | - Sounder fixed frequency x on |
| HIGH AGC | - high telemetry receiver agc - telemetry interference |
| L | - load on-board programmer pass |
| LOAD CANCELLED | - load part of pass cancelled |
| N/A | - not accepted |
| NO REPORT | - no pass report received |
| NOT SUCCESSFUL | - operation not successful |
| PASS MISSED | - pass not taken for some unexplained reason |
| PM ONLY | - 136.59 MHz transmitter only on |
| POSSIBLE ISIS-A INT | - possible interference from ISIS-A |
| PRE CAL | - prepass calibration |
| PROP DIST | - propagation disturbance on 136 MHz |
| RFI | - radio frequency interference |
| SPEC OPS | - special operations - large number of commands |
| STA SPEC | - pass scheduled in conjunction with special station conditions |
| STDN CONFLICT | - pass cancelled due to conflict at NASA/STDN station |
| T/C | - time code |
| UHF | - ultra-high frequency - 401.7 MHz transmitter on |
| UNSUCC | - unsuccessful |
| 73, 05, 32 etc | - spacecraft command numbers |
| 2x, 3x, etc | - number of attempts |

CRC SATCON
9 November 1972

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The following list may be used as an aid in interpreting the comments in the ISIS-II Experimental Listings.

| | |
|---|---|
| A1, B1, C1, D1, G1 | - data transmitted directly to ground |
| A2, B2, C2, D2, G2 | - data stored on on-board recorder |
| AC SPEC | - pass scheduled in conjuction with aircraft flight |
| ASCS | - Attitude Sensing and Control System |
| ATO | - Automatic Turn Off |
| BEACON OUT | - 136.41 MHz beacon off |
| CMD = CMS | - spacecraft command operations |
| DELETED | - scheduled pass deleted |
| D | - on-board recorder dump pass |
| DL | - dump and load programmer pass |
| EXC IN | - VLF Exciter on |
| FFx | - Sounder fixed frequency x on |
| HIGH AGC | - high telemetry receiver agc - telemetry interference |
| L | - load on-board programmer pass |
| LOAD CANCELLED | - load part of pass cancelled |
| N/A | - not accepted |
| NO REPORT | - no pass report received |
| NOT SUCCESSFUL | - operation not successful |
| PASS MISSED | - pass not taken for some unexplained reason |
| PM ONLY | - 136.59 MHz transmitter only on |
| POSSIBLE ISIS-A INT | - possible interference from ISIS-A |
| PRE CAL | - prepass calibration |
| PROP DIST | - propagation disturbance on 136 MHz |
| RFI | - radio frequency interference |
| SPEC OPS | - special operations - large number of commands |
| STA SPEC | - pass scheduled in conjunction with special station conditions |
| STDN CONFLICT | - pass cancelled due to conflict at NASA/STDN station |
| T/C | - time code |
| UHF | - ultra-high frequency - 401.7 MHz transmitter on |
| UNSUCC | - unsuccessful |
| 73, 05, 32 etc | - spacecraft command numbers |
| 2x, 3x, etc | - number of attempts |

CRC SATCON
9 November 1972

DECEMBER

ISIS II DATA FROM 1972

EXPERIMENT CODES: BLANK = OFF; * = ON

SOUNDER
- A = NORMAL MODE
- C = MIXED MODE: TRANSMITTER ON FIXED FREQ., RECEIVER SWEPT FREQ.
- D = TRANSMITTER = ON 2 FRAMES, OFF 2 FRAMES
- G = ALTERNATE FRAMES OF SWEPT FREQ. AND FIXED FREQ.
- R = RECEIVE ONLY; TRANSMITTER OFF

VLF
- RCVR = RECEIVER
- EXC = EXCITER
- IMP = IMPEDANCE
- ABI = ANTENNA BIAS

DME
- SPS = SOFT PARTICLE SPECTROMETER
  - 1 = NORMAL
  - 2 = SPECIAL
- EPD = ENERGETIC PARTICLE DETECTOR
- IMS = ION MASS SPECTROMETER
  - A = ANALOGUE
  - P = PEAK
- CEP = CYLINDRICAL ELECTROSTATIC PROBE
  - 1 = SEQUENTIAL MODE
  - 2 = AUTOMATIC MODE
- RPA = RETARDING POTENTIAL ANALYZER

PHOTOMETERS
- RLP = RED LINE PHOTOMETER
- ASP = AURORAL SCANNING PHOTOMETER
  - PM = ANALOGUE DATA ON PCM WORD 20
  - FM = DIGITAL DATA ON FM 30KHZ SCO

NOTE: REC DENOTES THE ON-BOARD RECORDER



24524

ISIS 2 PAGE 1 YEAR 1972

| IDENTIFIER: STN | MO | DY | STRT TIME | STOP TIME | ANALOGUE TAPE # 136 MH | 400 | SOUNDER ACDGR | FF | EXPERIMENTS VLF RCVR | EXC | IMP | ABI | VLF-DATA 136MH | 400 | DIRECT MEASUREMENT SPS | EPD | IMS | CEP | RPA | PHOTOMETERS RLP | ASP PM | FM | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OTTA | 12 | 01 | 0012 | 0026 | 1322B | 0386Y | * | | * | | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| QUIT | 12 | 01 | 0028 | 0038 | 0942 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| SNTA | 12 | 01 | 0037 | 0050 | 0832 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| SOLA | 12 | 01 | 0049 | 0058 | 0450 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| RESB | 12 | 01 | 0157 | 0207 | 0912 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| OTTA | 12 | 01 | 0206 | 0220 | 1323A | 0387Y | * | * | 3 | * | | | | * | 2 | * | P | 2 | * | * | * | * | UHF 67 N/A POOR SIGNAL |
| QUIT | 12 | 01 | | | | | | | | | | | | | | | | | | | | | STDN CONFLICT |
| SNTA | 12 | 01 | 0232 | 0245 | 0833 | | * | * | | * | | | | | 1 | * | P | 2 | * | * | | | |
| JOBU | 12 | 01 | 0656 | 0710 | 0542 | 0543 | * | * | | * | | | | * | 2 | * | P | 2 | * | * | | | UHF |
| OAGA | 12 | 01 | 0711 | 0722 | 0326 | | * | * | | * | | | | | 1 | * | P | 2 | * | * | | | |
| WNKF | 12 | 01 | 0722 | 0735 | 0556 | 0557 | * | * | | * | | | | * | 1 | * | P | 2 | * | * | | | UHF |
| RESB | 12 | 01 | 0736 | 0746 | 0913 | | * | * | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ALAS | 12 | 01 | 0745 | 0754 | 1211 | | * | * | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| LAUD | 12 | 01 | 0816 | 0831 | 0193 | | * | * | | | | | | | 2 | * | P | 2 | * | * | * | * | FFO |
| SNTA | 12 | 01 | | | | | | | | | | | | | | | | | | | | | STDN CONFLICT |
| QUIT | 12 | 01 | 1247 | 1300 | 0943 | 0944 | * | * | | * | | | | * | 1 | * | P | 2 | * | | | | UHF |
| OTTA | 12 | 01 | 1300 | 1314 | 1323B | 0387Y | | * | | * | | | | * | 1 | * | P | 2 | * | | | | UHF |
| RESB | 12 | 01 | 1315 | 1324 | 0913 | | | | | * | | | * | | 2 | * | P | 2 | * | | | | |
| OTTA | 12 | 01 | 1456 | 1508 | 1324A | | | * | | | | | | | 2 | * | P | 2 | * | | | | L |
| RESB | 12 | 01 | 1507 | 1517 | 0914 | | | * | | | | | | | 2 | * | P | 2 | * | | | | |
| TROM | 12 | 01 | 1516 | 1525 | 0743 | | | * | | | | | | | 2 | * | P | 2 | * | | | | |
| AMEB | 12 | 01 | 1528 | 1544 | 0107 | | | * | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ALAS | 12 | 01 | 1847 | 1902 | 1212 | | | * | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| TROM | 12 | 01 | 1901 | 1911 | 0743 | | | * | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| WNKF | 12 | 01 | 1910 | 1921 | 0558 | 0559 | | * | | * | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| BRZV | 12 | 01 | | | | | | | | | | | | | | | | | | | | | CNES CONFLICT |
| JOBU | 12 | 01 | 1937 | 1946 | 0544 | | | * | | | | | | | 1 | * | P | 2 | * | * | | | |
| ADEL | 12 | 01 | 2152 | 2209 | 0692 | | | * | | | | | | | 1 | * | P | 2 | * | * | | | G1 |
| OROR | 12 | 01 | | | | | | | | | | | | | | | | | | | | | STDN CONFLICT |
| RESB | 12 | 02 | 0040 | 0052 | 0914 | | | * | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| OTTA | 12 | 02 | 0051 | 0105 | 1324B | 0388Y | | * | | * | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| QUIT | 12 | 02 | 0104 | 0117 | 0945 | 0946 | | * | | * | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| SNTA | 12 | 02 | 0116 | 0130 | 0834 | 0835 | | * | | * | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| RESB | 12 | 02 | 0234 | 0246 | 0915 | | | * | | * | | | | | 2 | * | P | 2 | * | * | * | * | |
| OTTA | 12 | 02 | 0245 | 0256 | 1325A | 0388Y | | * | | * | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| AMEB | 12 | 02 | 0403 | 0417 | 0108 | | | * | | * | | | | | 2 | * | P | 2 | * | * | | | |
| TROM | 12 | 02 | 0420 | 0432 | 0744 | | | * | | * | | | | | 2 | * | P | 2 | * | * | * | * | |

| IDENTIFIER: STN | MO | DY | STRT TIME | STOP TIME | ANALOGUE TAPE # 136 MH | 400 | EXPERIMENTS SOUNDER ACDGR | FF | VLF RCVR | EXC | IMP | ABI | VLF-DATA 136MH | 400 | DIRECT MEASUREMENT SPS | EPD | IMS | CEP | RPA | PHOTOMETERS RIP | ASP PM | FM | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALAS | 12 | 02 | 0431 | 0445 | 1213 | | * | | * | | | | | | 2 | * | P | 2 | * | * | * | * | UHF NOT SUPPORTED |
| TROM | 12 | 02 | 0611 | 0626 | 0744 | | * | | * | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ALAS | 12 | 02 | 0625 | 0638 | 1214 | 1215 | * | | * | | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| WNKF | 12 | 02 | 0759 | 0812 | 0560 | 0561 | * | | * | | | | | * | 1 | * | P | 2 | * | * | | | UHF |
| RESB | 12 | 02 | 0813 | 0823 | 0915 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ALAS | 12 | 02 | 0822 | 0831 | 1216 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| LAUD | 12 | 02 | 0853 | 0909 | 0194 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | FFO |
| WNKF | 12 | 02 | 0954 | 1007 | 0562 | | * | | | | | | | | 1 | * | P | 2 | * | * | * | * | |
| RESB | 12 | 02 | 1006 | 1015 | 0916 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| BROR | 12 | 02 | 1044 | 1054 | 0770 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ADEL | 12 | 02 | 1053 | 1109 | 0692 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | G1 |
| OTTA | 12 | 02 | 1147 | 1158 | 1325B | 0389Y | * * | 4 | * | | | | | * | 1 | * | P | 2 | * | | | | UHF |
| RESB | 12 | 02 | 1159 | 1208 | 0916 | | * | | | | | | | | 2 | * | P | 2 | * | | | | |
| ADEL | 12 | 02 | 1248 | 1303 | 0693 | | * | | | | | | | | 1 | * | P | 2 | * | | | | G1 |
| QUIT | 12 | 02 | 1323 | 1339 | 0947 | | | | * | | | * | | | 1 | * | P | 2 | * | | | | |
| OTTA | 12 | 02 | 1338 | 1352 | 1326A | 0389Y | * | | * | | | | | * | 1 | * | P | 2 | * | | | | UHF L |
| RESB | 12 | 02 | 1353 | 1402 | 0916 | | * | | | | | | | | 2 | * | P | 2 | * | | | | |
| ALAS | 12 | 02 | 1731 | 1746 | 1217 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| TROM | 12 | 02 | 1745 | 1800 | 0745 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ALAS | 12 | 02 | 1925 | 1940 | 1218 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| TROM | 12 | 02 | 1939 | 1949 | 0745 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| WNKF | 12 | 02 | 1948 | 2000 | 0563 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ADEL | 12 | 02 | 2230 | 2247 | 0694 | | * | | | | | | | | 1 | * | P | 2 | * | * | | | G1 |
| BROR | 12 | 02 | | | | | | | | | | | | | | | | | | | | | STDN CONFLICT |
| RESB | 12 | 02 | 2324 | 2336 | 0917 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| OTTA | 12 | 02 | 2335 | 2347 | 1326B | 0390Y | * | | * | | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| SOLA | 12 | 03 | 0004 | 0020 | 0451 | | * | | * | | | | | | 2 | * | P | 2 | * | * | * | * | |
| RESB | 12 | 03 | 0118 | 0130 | 0917 | | * | | * | | | | | | 2 | * | P | 2 | * | * | * | * | |
| OTTA | 12 | 03 | 0129 | 0143 | 1327A | 0390Y | * | | * | | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| AMEB | 12 | 03 | 0247 | 0301 | 0109 | | * | | | | | | | | 2 | * | P | 2 | * | * | | | |
| RESB | 12 | 03 | 0312 | 0327 | 0918 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| TROM | 12 | 03 | 0456 | 0510 | 0746 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ALAS | 12 | 03 | 0509 | 0523 | 1219 | 1220 | * | | * | | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| TROM | 12 | 03 | 0648 | 0703 | 0747 | | * | | * | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ALAS | 12 | 03 | 0703 | 0717 | 1221 | 1222 | * | | * | | | | | * | 2 | * | P | 2 | * | * | * | * | UHF |
| LAUD | 12 | 03 | 0739 | 0752 | 0194 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | FFO |
| WNKF | 12 | 03 | 0836 | 0846 | 0563 | | * | | | | | | | | 2 | * | P | 2 | * | * | * | * | |



245206

ISIS 2 PAGE 3 YEAR 1972

| IDENTIFIER: STN | MO | DY | STRT TIME | STOP TIME | ANALOGUE TAPE # 136 | MH 400 | SOUNDER ACDGR | FF | VLF IRCVR | EXC | IMP | ABI | VLF-DATA 136MH400 | DIRECT MEASUREMENT SPS | EPD | IMS | CEP | RPA | PHOTOMETERS RLP | ASP PM | FM | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TROM | 12 | 03 | 0845 | 0858 | 0747 | | * | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ALAS | 12 | 03 | 0857 | 0907 | | | * | | | | | | | 2 | * | P | 2 | * | * | * | * | NO REPORT |
| OROR | 12 | 03 | 0928 | 0939 | 0771 | | * | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ADEL | 12 | 03 | 0938 | 0953 | 0695 | | * | | | | | | | 2 | * | P | 2 | * | * | * | * | G1 |
| OROR | 12 | 03 | 1123 | 1132 | 0772 | | * | | | | | | | 2 | * | P | 2 | * | * | * | * | |
| ADEL | 12 | 03 | 1131 | 1147 | 0696 | | * | | | | | | | 2 | * | P | 2 | * | * | * | * | G1 |
| SNTA | 12 | 03 | | | | | | | | | | | | | | | | | | | | STDN CONFLICT |
| QUIT | 12 | 03 | 1402 | 1416 | 0948 | 0949 | * | | * | | | | * | 1 | * | P | 2 | * | * | | | UHF |
| OTTA | 12 | 03 | 1416 | 1430 | 1327B | 0391Y | * | | * | | | | * | 1 | * | A | 1 | * | * | | | UHF L |
| RESB | 12 | 03 | 1431 | 1440 | 0918 | | * | | | | | | | 2 | * | P | 1 | * | * | | | |
| AMEB | 12 | 03 | 1450 | 1506 | 0109 | | * | | | | | | | 2 | * | P | 1 | * | * | * | * | |
| ALAS | 12 | 03 | 1617 | 1628 | 1223 | 1224 | * | | * | | | | * | 2 | * | P | 1 | * | * | | | UHF |
| TROM | 12 | 03 | 1629 | 1643 | 0748 | | * | | * | | | | | 2 | * | P | 1 | * | * | * | * | |
| ALAS | 12 | 03 | 1809 | 1822 | 1225 | 1226 | * | | * | | | | * | 1 | * | P | 1 | * | * | * | * | UHF |
| TROM | 12 | 03 | 1823 | 1834 | 0748 | | * | | | | | | | 2 | * | P | 1 | * | * | * | * | |
| WNKF | 12 | 03 | 1833 | 1842 | 0564 | | * | | | | | | | 2 | * | P | 1 | * | * | * | * | |
| ALAS | 12 | 03 | 2004 | 2018 | 1227 | | * | | | | | | | 2 | * | P | 1 | * | * | * | * | |
| TROM | 12 | 03 | 2017 | 2030 | 0749 | | * | | | | | | | 2 | * | P | 1 | * | * | * | * | |
| WNKF | 12 | 03 | 2029 | 2038 | 0564 | | * | | | | | | | 2 | * | P | 1 | * | * | * | * | |
| ADEL | 12 | 03 | 2114 | 2131 | 0697 | | * | | | | | | | 1 | * | P | 1 | * | * | | | G1 |
| OROR | 12 | 03 | | | | | | | | | | | | | | | | | | | | STDN CONFLICT |
| RESB | 12 | 04 | 0002 | 0013 | 0919 | | * | | | | | | | 2 | * | P | 1 | * | * | * | * | |
| OTTA | 12 | 04 | 0012 | 0026 | 1328A | 0391Y | * | | * | | | | * | 2 | * | P | 1 | * | * | * | * | UHF |
| SOLA | 12 | 04 | 0042 | 0058 | 0452 | | * | | * | | | | | 2 | * | P | 1 | * | * | * | * | |
| RESB | 12 | 04 | 0156 | 0207 | 0919 | | * | | * | | | | | 2 | * | P | 1 | * | * | * | * | |
| OTTA | 12 | 04 | 0206 | 0219 | 1328B | 0392Y | * | * | 3 | * | | | * | 2 | * | P | 1 | * | * | * | * | UHF |
| AMEB | 12 | 04 | 0324 | 0339 | 0110 | | * | | | | | | | 2 | * | P | 1 | * | * | | | |
| TROM | 12 | 04 | 0342 | 0354 | 0749 | | * | | | | | | | 2 | * | P | 1 | * | * | * | * | |
| ALAS | 12 | 04 | 0353 | 0407 | 1228 | 1229 | * | | * | | | | * | 2 | * | P | 1 | * | * | * | * | UHF |
| TROM | 12 | 04 | 0535 | 0547 | 0750 | | * | | * | | | | | 2 | * | P | 1 | * | * | * | * | |
| ALAS | 12 | 04 | 0547 | 0601 | 1230 | | * | | * | | | | | 2 | * | P | 1 | * | * | * | * | UHF NOT SUPPORTED |
| WNKF | 12 | 04 | 0721 | 0735 | 0565 | | * | | * | | | | | 1 | * | P | 1 | * | * | | | |
| RESB | 12 | 04 | 0735 | 0746 | 0920 | | * | | * | | | | | 2 | * | P | 1 | * | * | * | * | |
| ALAS | 12 | 04 | | | | | | | | | | | | | | | | | | | | STDN CONFLICT |
| LAUD | 12 | 04 | 0815 | 0830 | 0195 | | * | | | | | | | 2 | * | P | 1 | * | * | * | * | FFO |
| WNKF | 12 | 04 | 0915 | 0929 | | | * | | | | | | | 1 | * | P | 1 | * | * | | | NO REPORT |
| RESB | 12 | 04 | 0928 | 0937 | 0920 | | * | | | | | | | 2 | * | P | 1 | * | * | * | * | |

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D-19055
December 1, 1971
Experiment Operational log.
TP-00 (listed)

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LAUD | 12 | 01 | 0008 | 0023 | 0012 | | | * | 4 | 2 | T | P | 1 | T | REC | 1. LENGTH 132 |
| REC | 12 | 01 | 0146 | 0203 | | 0197Y | | * | 4 | 1 | T | P | 1 | T | REC | 2. LENGTH 132 |
| | D2 | | | | | | | | | | | | | | | |
| OROR | 12 | 01 | 0200 | 0220 | 0251 | | | * | 4 | 2 | T | P | 1 | T | REC | 3. LENGTH 132 |
| | RF1 FROM AOS TO 020700 | | | | | | | | | | | | | | | |
| KSHI | 12 | 01 | 0227 | 0242 | 0023 | | | * | 4 | 1 | T | P | 1 | T | REC | 4. LENGTH 132 |
| | D1 | | | | | | | | | | | | | | | |
| OTTA | 12 | 01 | 0258 | 0306 | 0599A | | | | 0 | 0 | | | 0 | | REC | 5. LENGTH 132 |
| | SPEC OPS NO DME NO SND | | | | | | | | | | | | | | | |
| SOLA | 12 | 01 | 0327 | 0344 | 0332 | | | ** | 3 | 2 | T | P | 2 | T | REC | 6. LENGTH 132 |
| OTTA | 12 | 01 | 0451 | 0507 | 0599B | | | ** | 3 | 2 | T | P | 1 | T | REC | 7. LENGTH 132 |
| RESB | 12 | 01 | 0635 | 0647 | 0270 | | | ** | 3 | 2 | T | P | 1 | T | REC | 8. LENGTH 132 |
| OTTA | 12 | 01 | 0645 | 0658 | 0600A | | | * | 4 | 2 | T | P | 1 | T | REC | 9. LENGTH 132 |
| | SPEC OPS ASCS | | | | | | | | | | | | | | | |
| WNKF | 12 | 01 | 1200 | 1216 | 0232 | | | * | 4 | 1 | T | P | 1 | T | REC | 10. LENGTH 132 |
| | STA SPEC RF1 PREPASS | | | | | | | | | | | | | | | |
| REC | 12 | 01 | 1308 | 1325 | | 0197Y | | * | 4 | 1 | T | P | 1 | T | REC | 11. LENGTH 132 |
| | D2 | | | | | | | | | | | | | | | |
| REC | 12 | 01 | 1502 | 1519 | | 0197Y | | * | 4 | 1 | T | P | 1 | T | REC | 12. LENGTH 132 |
| | D2 | | | | | | | | | | | | | | | |
| OTTA | 12 | 01 | 1548 | 1600 | 0600B | | | * | 4 | 2 | T | P | 1 | T | REC | 13. LENGTH 132 |
| | SPEC OPS | | | | | | | | | | | | | | | |
| SOLA | 12 | 01 | 1707 | 1722 | 0333 | | | ** | 3 | 2 | T | P | 1 | T | REC | 14. LENGTH 132 |
| OTTA | 12 | 01 | 1738 | 1756 | 0601A | 0197Y | | * | 4 | 2 | T | P | 1 | T | REC | 15. LENGTH 132 |
| | DL SPEC OPS | | | | | | | | | | | | | | | |
| OTTA | 12 | 01 | 1937 | 1946 | 0601B | | | * | 4 | 2 | T | P | 1 | T | REC | 16. LENGTH 132 |
| REC | 12 | 02 | 0027 | 0044 | | 0198Y | | * | 4 | 1 | T | P | 1 | T | REC | 17. LENGTH 132 |
| | D2 | | | | | | | | | | | | | | | |
| LAUD | 12 | 02 | 0045 | 0101 | 0012 | | | * | 5 | 2 | T | P | 1 | T | REC | 18. LENGTH 132 |
| REC | 12 | 02 | 0224 | 0241 | | 0198Y | | * | 5 | 1 | T | P | 1 | T | REC | 19. LENGTH 132 |
| | D2 | | | | | | | | | | | | | | | |
| OROR | 12 | 02 | 0238 | 0257 | 0252 | | | * | 5 | 2 | T | P | 1 | T | REC | 20. LENGTH 132 |
| OTTA | 12 | 02 | 0335 | 0349 | 0602A | | | * | 5 | 2 | T | P | 1 | T | REC | 21. LENGTH 132 |
| | SPEC OPS | | | | | | | | | | | | | | | |
| RESB | 12 | 02 | 0518 | 0531 | 0271 | | | * | 5 | 2 | T | P | 1 | T | REC | 22. LENGTH 132 |

32 2X

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OTTA | 12 | 02 | 0529 | 0545 | 0602B | | * | 5 | 2 | T | P | 1 | T | REC | 23, | LENGTH | 132 |
| | SPEC OPS ASCS | | | | | | | | | | | | | | | | |
| QUIT | 12 | 02 | 0543 | 0559 | 0370 | | ** | 3 | 2 | T | A | 1 | T | REC | 24, | LENGTH | 132 |
| OTTA | 12 | 02 | 0725 | 0732 | 0603A | | * | 5 | 1 | T | P | 1 | T | REC | 25, | LENGTH | 132 |
| REC | 12 | 02 | 0737 | 0754 | | 0198Y | * | 5 | 1 | T | P | 1 | T | REC | 26, | LENGTH | 132 |
| | D2 | | | | | | | | | | | | | | | | |
| JOBU | 12 | 02 | 1019 | 1035 | 0228 | | * | 5 | 2 | T | P | 1 | T | REC | 27, | LENGTH | 132 |
| REC | 12 | 02 | 1221 | 1238 | | 0198Y | * | 5 | 1 | T | P | 1 | T | REC | 28, | LENGTH | 132 |
| | D2 | | | | | | | | | | | | | | | | |
| QUIT | 12 | 02 | 1610 | 1623 | 0371 | | * | 5 | 1 | T | A | 1 | T | REC | 29, | LENGTH | 132 |
| | FROM 1622Z | | | | | | | | | | | | | | | | |
| OTTA | 12 | 02 | 1623 | 1639 | 0603B | 0198Y | * | 5 | 1 | T | P | 1 | T | REC | 30, | LENGTH | 132 |
| | SPEC OPS DL | | | | | | | | | | | | | | | | |
| OTTA | 12 | 02 | 1818 | 1832 | 0604A | | * | 3 | 1 | T | P | 1 | T | REC | 31, | LENGTH | 132 |
| | SPEC OPS ASCS | | | | | | | | | | | | | | | | |
| REC | 12 | 03 | 0105 | 0122 | | 0199Y | * | 3 | 1 | T | P | 1 | T | REC | 32, | LENGTH | 132 |
| | C2 | | | | | | | | | | | | | | | | |
| LAUD | 12 | 03 | 0123 | 0138 | 0013 | | * | 3 | 2 | T | P | 1 | T | REC | 33, | LENGTH | 132 |

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OTTA 12 01 0012 0026 1322B 0386Y      *        *                  *    2   *   P   2   *   *   REC    1, LENGTH   132
* *   UHF

QUIT 12 01 0028 0038 0942             *                                2   *   P   2   *   *   REC    2, LENGTH   132
* *

SNTA 12 01 0037 0050 0832             *                                2   *   P   2   *   *   REC    3, LENGTH   132
* *

SOLA 12 01 0049 0058 0450             *                                2   *   P   2   *   *   REC    4, LENGTH   132
* *

RESB 12 01 0157 0207 0912             *                                2   *   P   2   *   *   REC    5, LENGTH   132
* *

OTTA 12 01 0206 0220 1323A 0387Y    * *   3    *                  *    2   *   P   2   *   *   REC    6, LENGTH   132
* *   UHF 67 N/A POOR SIGNAL

QUIT 12 01                                                                                      REC    7, LENGTH   132
      STDN CONFLICT

SNTA 12 01 0232 0245 0833           * *        *                       1   *   P   2   *   *   REC    8, LENGTH   132

JOBU 12 01 0656 0710 0542  0543     * *        *                  *    2   *   P   2   *   *   REC    9, LENGTH   132
      UHF

OAGA 12 01 0711 0722 0326           * *        *                       1   *   P   2   *   *   REC   10, LENGTH   132

WNKF 12 01 0722 0735 0556  0557     * *        *                  *    1   *   P   2   *   *   REC   11, LENGTH   132
      UHF

RESB 12 01 0736 0746 0913           * *                                2   *   P   2   *   *   REC   12, LENGTH   132
* *

ALAS 12 01 0745 0754 1211           * *                                2   *   P   2   *   *   REC   13, LENGTH   132
* *

LAUD 12 01 0816 0831 0193           * *                                2   *   P   2   *   *   REC   14, LENGTH   132
* *    FF0

SNTA 12 01                                                                                      REC   15, LENGTH   132
      STDN CONFLICT

QUIT 12 01 1247 1300 0943  0944     * *        *                  *    1   *   P   2   *       REC   16, LENGTH   132
      UHF

OTTA 12 01 1300 1314 1323B 0387Y      *        *                  *    1   *   P   2   *       REC   17, LENGTH   132
       UHF

RESB 12 01 1315 1324 0913                      *              *        2   *   P   2   *       REC   18, LENGTH   132

OTTA 12 01 1456 1508 1324A            *                                2   *   P   2   *       REC   19, LENGTH   132
       L

RESB 12 01 1507 1517 0914             *                                2   *   P   2   *       REC   20, LENGTH   132

TROM 12 01 1516 1525 0743             *                                2   *   P   2   *       REC   21, LENGTH   132

AMEB 12 01 1528 1544 0107             *                                2   *   P   2   *   *   REC   22, LENGTH   132
```

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* *
ALAS 12 01 1847 1902 1212          *                          2   *   P   2   *   *   REC   23, LENGTH   132
* *
TROM 12 01 1901 1911 0743          *                          2   *   P   2   *   *   REC   24, LENGTH   132
* *
WNKF 12 01 1910 1921 0558  0559    *       *           *      2   *   P   2   *   *   REC   25, LENGTH   132
* *   UHF
BRZV 12 01                                                                                REC   26, LENGTH   132
      CNES CONFLICT
JOBU 12 01 1937 1946 0544          *                          1   *   P   2   *   *   REC   27, LENGTH   132
ADEL 12 01 2152 2209 0692          *                          1   *   P   2   *   *   REC   28, LENGTH   132
      G1
OROR 12 01                                                                                REC   29, LENGTH   132
      STDN CONFLICT
RESB 12 02 0040 0052 0914          *                          2   *   P   2   *   *   REC   30, LENGTH   132
* *
OTTA 12 02 0051 0105 1324B 0388Y   *       *           *      2   *   P   2   *   *   REC   31, LENGTH   132
* *   UHF
QUIT 12 02 0104 0117 0945  0946    *       *           *      2   *   P   2   *   *   REC   32, LENGTH   132
* *   UHF
SNTA 12 02 0116 0130 0834  0835    *       *           *      2   *   P   2   *   *   REC   33, LENGTH   132
* *   UHF
RESB 12 02 0234 0246 0915          *       *                  2   *   P   2   *   *   REC   34, LENGTH   132
* *
OTTA 12 02 0245 0256 1325A 0388Y   *       *           *      2   *   P   2   *   *   REC   35, LENGTH   132
* *   UHF
AMEB 12 02 0403 0417 0108          *       *                  2   *   P   2   *   *   REC   36, LENGTH   132
TROM 12 02 0420 0432 0744          *       *                  2   *   P   2   *   *   REC   37, LENGTH   132
* *
ALAS 12 02 0431 0445 1213          *       *                  2   *   P   2   *   *   REC   38, LENGTH   132
* *   UHF NOT SUPPORTED
TROM 12 02 0611 0626 0744          *       *                  2   *   P   2   *   *   REC   39, LENGTH   132
* *
ALAS 12 02 0625 0638 1214  1215    *       *           *      2   *   P   2   *   *   REC   40, LENGTH   132
* *   UHF
WNKF 12 02 0759 0812 0560  0561    *       *           *      1   *   P   2   *   *   REC   41, LENGTH   132
      UHF
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| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RES | 335 12 01 0041 0055 2185 | * | | 2 | | | | B | * | P | 2 | * | * | REC | 1. | LENGTH | 132 |
| * * | RKT SPEC | | | | | | | | | | | | | | | | |
| LAU | 335 12 01 0121 0137 0669 | * | | 4 | | | | 0 | * | P | 2 | * | * | REC | 2. | LENGTH | 132 |
| ADL | 335 12 01 0321 0337 2048 | * | | 4 | | | | 0 | * | P | 2 | * | * | REC | 3. | LENGTH | 132 |
| | A1 | | | | | | | | | | | | | | | | |
| KRU | 335 12 01 0404 0413 0027 | | * | 4 | | | | 0 | * | P | 2 | * | * | REC | 4. | LENGTH | 132 |
| * * | | | | | | | | | | | | | | | | | |
| OTT | 335 12 01 0416 0425 2765A | * | | 4 | | | | | * | P | 2 | * | * | REC | 5. | LENGTH | 132 |
| * * | L 89 N/A | | | | | | | | | | | | | | | | |
| RES | 335 12 01 0424 0433 2185 | * | | 4 | | | | | * | P | 2 | * | * | REC | 6. | LENGTH | 132 |
| * * | | | | | | | | | | | | | | | | | |
| AGO | 335 12 01 0545 0554 1454 | * | | 4 | | | | | * | P | 2 | * | * | REC | 7. | LENGTH | 132 |
| * * | | | | | | | | | | | | | | | | | |
| QUI | 335 12 01 0553 0602 2017 | | * | 4 | | | | | * | P | 2 | * | * | REC | 8. | LENGTH | 132 |
| * * | | | | | | | | | | | | | | | | | |
| AME | 335 12 01 | | | | | | | | | | | | | REC | 9. | LENGTH | 132 |
| | POWER FAILURE | | | | | | | | | | | | | | | | |
| AME | 335 12 01 | | | | | | | | | | | | | REC | 10. | LENGTH | 132 |
| | POWER FAILURE | | | | | | | | | | | | | | | | |
| BUR | 335 12 01 1043 1059 1124 | * | | 4 | | | | | * | P | 2 | * | * | REC | 11. | LENGTH | 132 |
| ODG | 335 12 01 1229 1238 0637 | | * | 4 | | | | | * | P | 2 | * | * | REC | 12. | LENGTH | 132 |
| ADL | 335 12 01 1303 1319 2049 | * | | 4 | | | | | * | P | 2 | * | * | REC | 13. | LENGTH | 132 |
| | A1 | | | | | | | | | | | | | | | | |
| LAU | 335 12 01 1320 1327 0669 | | | | * | | 136 | B | * | P | 2 | * | * | REC | 14. | LENGTH | 132 |
| * * | | | | | | | | | | | | | | | | | |
| CNA | 335 12 01 1417 1426 0084 | | * | 4 | | | | | * | P | 2 | * | * | REC | 15. | LENGTH | 132 |
| ORR | 335 12 01 1512 1521 1375 | * | | 4 | | | | | * | P | 2 | * | * | REC | 16. | LENGTH | 132 |
| RES | 335 12 01 | | | | | | | | | | | | | REC | 17. | LENGTH | 132 |
| | POWER FOR RKT SP | | | | | | | | | | | | | | | | |
| OTT | 335 12 01 | | | | | | | | | | | | | REC | 18. | LENGTH | 132 |
| | POWER FOR RKT SP | | | | | | | | | | | | | | | | |
| RES | 335 12 01 | | | | | | | | | | | | | REC | 19. | LENGTH | 132 |
| | POWER FOR RKT SP | | | | | | | | | | | | | | | | |
| OTT | 335 12 01 1756 1810 2765B | * | | 4 | | | | B | * | A | 2 | * | * | REC | 20. | LENGTH | 132 |
| QUI | 335 12 01 1814 1822 2018 | | * | 4 | | | | 0 | * | P | 2 | * | * | REC | 21. | LENGTH | 132 |
| AGO | 335 12 01 1824 1833 1455 | * | | 4 | | | | 0 | * | P | 2 | * | * | REC | 22. | LENGTH | 132 |

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RES   335 12 01 1940 1955 2186          *      2                B   *   P   2   *   *   REC    23, LENGTH   132
* *     STA SPEC

RES   335 12 01 2134 2149 2186          *      2                B   *   P   2   *   *   REC    24, LENGTH   132
* *     STA SPEC

BUR   335 12 01 2250 2259 1125          *      4                0   *   P   2   *   *   REC    25, LENGTH   132
* *

RES   335 12 01 2326 2341 2187          *      2                B   *   P   2   *   *   REC    26, LENGTH   132
* *     RKT SPEC

LAU   336 12 02 0009 0018 0670          *      1                B   *   P   2   *   *   REC    27, LENGTH   132
       FF1

WNK   336 12 02 0110 0119 1299          *      2                B   *   P   2   *   *   REC    28, LENGTH   132
* *     RKT SPEC

RES   336 12 02 0118 0129 2187          *      2                B   *   P   2   *   *   REC    29, LENGTH   132
* *     RKT SPEC

ULA   336 12 02 0128 0135 2840          *      2                B   *   P   2   *   *   REC    30, LENGTH   132
* *     RKT SPEC

ADL   336 12 02 0206 0221 2050          *      2                    *   P   2   *   *   REC    31, LENGTH   132
       A1

KSH   336 12 02 0331 0340 0213          *      2                    *   P   2   *   *   REC    32, LENGTH   132
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December 1, 1974

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RES | 335 12 01 0041 0055 2185 | * | | 2 | | | | | B | * | P | 2 | * | * | REC | 1, | LENGTH | 132 |
| * * | RKT SPEC | | | | | | | | | | | | | | | | | |
| LAU | 335 12 01 0121 0137 0669 | * | | 4 | | | | | 0 | * | P | 2 | * | * | REC | 2, | LENGTH | 132 |
| ADL | 335 12 01 0321 0337 2048 | * | | 4 | | | | | 0 | * | P | 2 | * | * | REC | 3, | LENGTH | 132 |
| | A1 | | | | | | | | | | | | | | | | | |
| KRU | 335 12 01 0404 0413 0027 | | * | 4 | | | | | 0 | * | P | 2 | * | * | REC | 4, | LENGTH | 132 |
| * * | | | | | | | | | | | | | | | | | | |
| OTT | 335 12 01 0416 0425 2765A | * | | 4 | | | | | | * | P | 2 | * | * | REC | 5, | LENGTH | 132 |
| * * | L 89 N/A | | | | | | | | | | | | | | | | | |
| RES | 335 12 01 0424 0433 2185 | * | | 4 | | | | | | * | P | 2 | * | * | REC | 6, | LENGTH | 132 |
| * * | | | | | | | | | | | | | | | | | | |
| AGO | 335 12 01 0545 0554 1454 | * | | 4 | | | | | | * | P | 2 | * | * | REC | 7, | LENGTH | 132 |
| * * | | | | | | | | | | | | | | | | | | |
| QUI | 335 12 01 0553 0602 2017 | | * | 4 | | | | | | * | P | 2 | * | * | REC | 8, | LENGTH | 132 |
| * * | | | | | | | | | | | | | | | | | | |
| AME | 335 12 01 | | | | | | | | | | | | | | REC | 9, | LENGTH | 132 |
| | POWER FAILURE | | | | | | | | | | | | | | | | | |
| AME | 335 12 01 | | | | | | | | | | | | | | REC | 10, | LENGTH | 132 |
| | POWER FAILURE | | | | | | | | | | | | | | | | | |
| BUR | 335 12 01 1043 1059 1124 | * | | 4 | | | | | | * | P | 2 | * | * | REC | 11, | LENGTH | 132 |
| ODG | 335 12 01 1229 1238 0637 | | * | 4 | | | | | | * | P | 2 | * | * | REC | 12, | LENGTH | 132 |
| ADL | 335 12 01 1303 1319 2049 | * | | 4 | | | | | | * | P | 2 | * | * | REC | 13, | LENGTH | 132 |
| | A1 | | | | | | | | | | | | | | | | | |
| LAU | 335 12 01 1320 1327 0669 | | | | * | | 136 | | B | * | P | 2 | * | * | REC | 14, | LENGTH | 132 |
| * * | | | | | | | | | | | | | | | | | | |
| CNA | 335 12 01 1417 1426 0084 | | * | 4 | | | | | | * | P | 2 | * | * | REC | 15, | LENGTH | 132 |
| ORR | 335 12 01 1512 1521 1375 | * | | 4 | | | | | | * | P | 2 | * | * | REC | 16, | LENGTH | 132 |
| RES | 335 12 01 | | | | | | | | | | | | | | REC | 17, | LENGTH | 132 |
| | POWER FOR RKT SF | | | | | | | | | | | | | | | | | |
| OTT | 335 12 01 | | | | | | | | | | | | | | REC | 18, | LENGTH | 132 |
| | POWER FOR RKT SF | | | | | | | | | | | | | | | | | |
| RES | 335 12 01 | | | | | | | | | | | | | | REC | 19, | LENGTH | 132 |
| | POWER FOR RKT SF | | | | | | | | | | | | | | | | | |
| OTT | 335 12 01 1756 1810 2765B | * | | 4 | | | | | B | * | A | 2 | * | * | REC | 20, | LENGTH | 132 |
| QUI | 335 12 01 1814 1822 2018 | | * | 4 | | | | | 0 | * | P | 2 | * | * | REC | 21, | LENGTH | 132 |
| AGO | 335 12 01 1824 1833 1455 | * | | 4 | | | | | 0 | * | P | 2 | * | * | REC | 22, | LENGTH | 132 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RES | 335 12 01 1940 1955 2186 | * | 2 | B | * | P | 2 | * | * | REC | 23, LENGTH | 132 |
| * * | STA SPEC | | | | | | | | | | | |
| RES | 335 12 01 2134 2149 2186 | * | 2 | B | * | P | 2 | * | * | REC | 24, LENGTH | 132 |
| * * | STA SPEC | | | | | | | | | | | |
| BUR | 335 12 01 2250 2259 1125 | * | 4 | 0 | * | P | 2 | * | * | REC | 25, LENGTH | 132 |
| * * | | | | | | | | | | | | |
| RES | 335 12 01 2326 2341 2187 | * | 2 | B | * | P | 2 | * | * | REC | 26, LENGTH | 132 |
| * * | RKT SPEC | | | | | | | | | | | |
| LAU | 336 12 02 0009 0018 0670 | * | 1 | B | * | P | 2 | * | * | REC | 27, LENGTH | 132 |
| | FF1 | | | | | | | | | | | |
| WNK | 336 12 02 0110 0119 1299 | * | 2 | B | * | P | 2 | * | * | REC | 28, LENGTH | 132 |
| * * | RKT SPEC | | | | | | | | | | | |
| RES | 336 12 02 0118 0129 2187 | * | 2 | B | * | P | 2 | * | * | REC | 29, LENGTH | 132 |
| * * | RKT SPEC | | | | | | | | | | | |
| ULA | 336 12 02 0128 0135 2840 | * | 2 | B | * | P | 2 | * | * | REC | 30, LENGTH | 132 |
| * * | RKT SPEC | | | | | | | | | | | |
| ADL | 336 12 02 0206 0221 2050 | * | 2 | | * | P | 2 | * | * | REC | 31, LENGTH | 132 |
| | A1 | | | | | | | | | | | |
| KSH | 336 12 02 0331 0340 0213 | * | 2 | | * | P | 2 | * | * | REC | 32, LENGTH | 132 |
| DAR | 336 12 02 0343 0352 0570 | * | 1 | | * | P | 2 | * | * | REC | 33, LENGTH | 132 |
| OTT | 336 12 02 0451 0505 2766A | * | 1 | | * | P | 2 | * | * | REC | 34, LENGTH | 132 |