



# INTERNATIONAL AMATEUR RADIO UNION

## REGION THREE

### MONITORING SYSTEM REPORT



April 2010

Peter Young VK3MV

Reports for April have been received from, ARSI, NZART, JARL and WIA.

Apologies for the delay in sending out this report, this was due to my visit to the USA and the Dayton Hamvention.

JARL reports the usual intrusions from broadcast stations in Russia, North Korean and China as well the numerous 40 meter CW beacon stations from Russia.

NZART, JARL and WIA report various Over the Horizon Radar systems in or around the 40 meter and 20 meter bands. There has also been increasing digital signals being detected in these bands.

Last month an audio recording of broadcast stations operating on 7105kHz was sought to assist HARTS in the correct identification and locations of stations on this frequency. Thanks to Mr Kobayashi, JA0AD an audio file has now been forwarded to HARTS. Any other reports or observations are most welcome to the email address below.

For those who would like a CSV file of data please email me at: [vk3mv@wia.org.au](mailto:vk3mv@wia.org.au)

Thank you to all the regional observers for their reports. Keep them coming.

| kHz  | BW   | YYYY | MM | DD | GMT    | UTC       | Emm   | Bd | Sft | Hdg | ADM | ID                | Description                         | Grid   | Society |        |
|------|------|------|----|----|--------|-----------|-------|----|-----|-----|-----|-------------------|-------------------------------------|--------|---------|--------|
| 3560 | 10   | 2010 | 3  | 7  | 1100>  | 1100>     | A3E   |    |     |     | CLN | Unid              | Chinese News service M/F presenters | QG62pk | WIA     | VK4LO  |
| 3560 |      | 2010 | 03 | DY | <0900> | 0900-2100 | A3E   |    |     |     | KRE | R. Voice of Korea | B-C Station                         | RF72LQ | NZART   | ZL1BAD |
| 3560 | 3    | 2010 | 3  | 01 | 0934   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 3    | 2010 | 3  | 01 | 1220   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 01 | 1604   |           | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 01 | 2012   |           | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               |        | JARL    | Kujang |
| 3560 | 3537 | 2010 | 3  | 01 | 21:00  | <21:00>   | A3E 3 |    |     |     | KRE |                   | VOICE,MUSIC                         |        | JARL    |        |
| 3560 | 3    | 2010 | 3  | 02 | 0914   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 02 | 1216   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 02 | 1428   |           | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 02 | 1606   |           | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 02 | 1814   |           | A3E   |    |     | 321 | KRE | Vo Korea          | English Talk and Music              |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 03 | 1018   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 3    | 2010 | 3  | 03 | 1214   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 03 | 1604   |           | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 03 | 2030   |           | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               |        | JARL    | Kujang |
| 3560 | 3537 | 2010 | 3  | 03 | 22:44  | <22:44>   | A3E 3 |    |     |     | KRE |                   | VOICE                               |        | JARL    |        |
| 3560 | 3    | 2010 | 3  | 04 | 0920   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 3    | 2010 | 3  | 04 | 1212   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 04 | 1604   |           | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 04 | 1814   |           | A3E   |    |     | 321 | KRE | Vo Korea          | English Talk and Music              |        | JARL    | Kujang |
| 3560 | 3537 | 2010 | 3  | 04 | 21:07  | <21:07>   | A3E 3 |    |     |     | KRE |                   | VOICE                               |        | JARL    |        |
| 3560 | 3    | 2010 | 3  | 05 | 0916   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 3    | 2010 | 3  | 05 | 1220   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 05 | 1604   | anytime   | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               | PM97   | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 05 | 1822   |           | A3E   |    |     | 321 | KRE | Vo Korea          | English Talk and Music              |        | JARL    | Kujang |
| 3560 | 3537 | 2010 | 3  | 05 | 21:51  | <21:51>   | A3E 3 |    |     |     | KRE |                   | VOICE,MUSIC                         |        | JARL    |        |
| 3560 | 3    | 2010 | 3  | 06 | 1024   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 3    | 2010 | 3  | 06 | 1220   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 06 | 1920   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Spanish Talk and Music              |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 07 | 1216   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Beacon                              |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 07 | 1608   |           | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 07 | 1822   |           | A3E   |    |     | 321 | KRE | Vo Korea          | English Talk and Music              |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 08 | 1022   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 08 | 1218   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 08 | 1606   |           | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 08 | 1808   |           | A3E   |    |     | 321 | KRE | Vo Korea          | English Talk and Music              |        | JARL    | Kujang |
| 3560 | 3    | 2010 | 3  | 09 | 0924   | anytime   | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               | PM97   | JARL    | Kujang |
| 3560 | 3    | 2010 | 3  | 09 | 1216   |           | A3E   |    |     | 321 | KRE | Vo Korea          | Korean Talk and Music               |        | JARL    | Kujang |
| 3560 | 5    | 2010 | 3  | 09 | 1606   |           | A3E   |    |     | 321 | KRE | Vo Korea          | French Talk and Music               |        | JARL    | Kujang |

|      |      |      |   |    |       |         |       |     |     |           |                                      |      |        |
|------|------|------|---|----|-------|---------|-------|-----|-----|-----------|--------------------------------------|------|--------|
| 3560 | 5    | 2010 | 3 | 09 | 1904  |         | A3E   | 321 | KRE | Vo Korea  | Spanish Talk and Music               | JARL | Kujang |
| 3560 | 3    | 2010 | 3 | 10 | 0924  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 10 | 1216  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 10 | 1608  |         | A3E   | 321 | KRE | C--signal | French Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 10 | 1806  |         | A3E   | 321 | KRE | Vo Korea  | English Talk and Music               | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 10 | 1916  |         | A3E   | 321 | KRE | Vo Korea  | Spanish Talk and Music               | JARL | Kujang |
| 3560 | 3537 | 2010 | 3 | 10 | 21:18 | <21:18> | A3E 3 |     | KRE |           | VOICE                                | JARL |        |
| 3560 | 3    | 2010 | 3 | 11 | 1214  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 11 | 1606  |         | A3E   | 321 | KRE | Vo Korea  | French Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 11 | 1808  |         | A3E   | 321 | KRE | Vo Korea  | English Talk and Music               | JARL | Kujang |
| 3560 | 3537 | 2010 | 3 | 11 | 21:00 | <21:00> | A3E 3 |     | KRE |           | VOICE,MUSIC                          | JARL |        |
| 3560 | 3    | 2010 | 3 | 12 | 0926  | anytime | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | PM97 | Kujang |
| 3560 | 3    | 2010 | 3 | 12 | 1220  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 12 | 1608  |         | A3E   | 321 | KRE | Vo Korea  | French Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 12 | 1820  |         | A3E   | 321 | KRE | Vo Korea  | English Talk and Music               | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 13 | 1012  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 13 | 1214  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 13 | 1606  |         | A3E   | 321 | KRE | Vo Korea  | French Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 13 | 1914  |         | A3E   | 321 | KRE | Vo Korea  | Spanish Talk and Music               | JARL | Kujang |
| 3560 | 3    | 2010 | 3 | 14 | 1014  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 3    | 2010 | 3 | 14 | 1218  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 14 | 1608  |         | A3E   | 321 | KRE | Vo Korea  | French Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 14 | 1822  |         | A3E   | 321 | KRE | Vo Korea  | English Talk and Music               | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 14 | 1912  |         | A3E   | 321 | KRE | Vo Korea  | Spanish Talk and Music               | JARL | Kujang |
| 3560 | 3    | 2010 | 3 | 15 | 0926  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 3    | 2010 | 3 | 15 | 1218  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 15 | 1610  |         | A3E   | 321 | KRE | Vo Korea  | French Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 15 | 1820  |         | A3E   | 321 | KRE | Vo Korea  | English Talk and Music               | JARL | Kujang |
| 3560 | 3    | 2010 | 3 | 16 | 0930  |         | A3E   | 321 | RUS | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 3    | 2010 | 3 | 16 | 1216  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 16 | 1608  |         | A3E   | 321 | KRE | Vo Korea  | French Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 16 | 1818  |         | A3E   | 321 | KRE | Vo Korea  | English Talk and Music               | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 16 | 1914  |         | A3E   | 321 | KRE | Vo Korea  | Spanish Talk and Music               | JARL | Kujang |
| 3560 | 3    | 2010 | 3 | 17 | 1020  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 17 | 1216  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 17 | 1608  |         | A3E   | 321 | KRE | Vo Korea  | French Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 17 | 1812  |         | A3E   | 321 | KRE | Vo Korea  | English Talk and Music               | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 17 | 1920  |         | A3E   | 321 | KRE | Vo Korea  | Spanish Talk and Music               | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 18 | 1232  |         | A3E   | 321 | KRE | Vo Korea  | Korean Talk and Music                | JARL | Kujang |
| 3560 | 5    | 2010 | 3 | 18 | 1546  |         | A3E   | 321 | KRE | Vo Korea  | English Talk and Music               | JARL | Kujang |
|      |      |      |   |    |       |         |       |     |     |           | Korean Talk and Music                |      |        |
| 3560 | 3    | 2010 | 3 | 18 | 1558  |         | A3E   | non | non | non       | 16:00 UTC Time signal<br>3+1 on Time | JARL | non    |

|      |   |      |   |    |      |     |     |     |          |                        |      |        |
|------|---|------|---|----|------|-----|-----|-----|----------|------------------------|------|--------|
| 3560 | 5 | 2010 | 3 | 18 | 1606 | A3E | 321 | KRE | Vo Korea | French Talk and Music  | JARL | Kujang |
| 3560 | 3 | 2010 | 3 | 18 | 1608 | A3E | non | non | non      | Korean Talk and Music  | JARL | non    |
|      |   |      |   |    |      |     |     |     |          | Korean Talk and Music  |      |        |
|      |   |      |   |    |      |     |     |     |          | 17:00 UTC Time signal  |      |        |
| 3560 | 3 | 2010 | 3 | 18 | 1658 | A3E | non | non | non      | 3+1 on Time            | JARL | non    |
| 3560 | 5 | 2010 | 3 | 18 | 1702 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
|      |   |      |   |    |      |     |     |     |          | Korean Talk and Music  |      |        |
|      |   |      |   |    |      |     |     |     |          | 18:00 UTC Time signal  |      |        |
| 3560 | 3 | 2010 | 3 | 18 | 1758 | A3E | non | non | non      | 3+1 on Time            | JARL | non    |
| 3560 | 5 | 2010 | 3 | 18 | 1802 | A3E | 321 | KRE | Vo Korea | English Talk and Music | JARL | Kujang |
| 3560 | 3 | 2010 | 3 | 19 | 1020 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 19 | 1214 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 19 | 1608 | A3E | 321 | KRE | Vo Korea | French Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 19 | 1810 | A3E | 321 | KRE | Vo Korea | English Talk and Music | JARL | Kujang |
| 3560 | 3 | 2010 | 3 | 20 | 1022 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 3 | 2010 | 3 | 20 | 1218 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 20 | 2006 | A3E | 321 | KRE | Vo Korea | French Talk and Music  | JARL | Kujang |
| 3560 | 3 | 2010 | 3 | 21 | 1022 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 21 | 1216 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 21 | 1610 | A3E | 321 | KRE | Vo Korea | French Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 21 | 1810 | A3E | 321 | KRE | Vo Korea | English Talk and Music | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 21 | 1920 | A3E | 321 | KRE | Vo Korea | Spanish Talk and Music | JARL | Kujang |
| 3560 | 3 | 2010 | 3 | 22 | 1214 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 22 | 1944 | A3E | 321 | KRE | Vo Korea | Spanish Talk and Music | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 22 | 2014 | A3E | 321 | KRE | Vo Korea | French Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 23 | 1220 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 23 | 1610 | A3E | 321 | KRE | Vo Korea | French Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 23 | 1826 | A3E | 321 | KRE | Vo Korea | English Talk and Music | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 23 | 2014 | A3E | 321 | KRE | Vo Korea | French Talk and Music  | JARL | Kujang |
| 3560 | 3 | 2010 | 3 | 24 | 1014 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 24 | 1214 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 24 | 1610 | A3E | 321 | KRE | Vo Korea | French Talk and Music  | PM97 | JARL   |
| 3560 | 5 | 2010 | 3 | 24 | 1816 | A3E | 321 | KRE | Vo Korea | English Talk and Music | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 24 | 1916 | A3E | 321 | KRE | Vo Korea | Spanish Talk and Music | JARL | Kujang |
| 3560 | 3 | 2010 | 3 | 25 | 1016 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 25 | 1218 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 25 | 1608 | A3E | 321 | KRE | Vo Korea | French Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 25 | 1816 | A3E | 321 | KRE | Vo Korea | English Talk and Music | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 25 | 1916 | A3E | 321 | KRE | Vo Korea | Spanish Talk and Music | JARL | Kujang |
| 3560 | 3 | 2010 | 3 | 26 | 1014 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 26 | 1220 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 26 | 1610 | A3E | 321 | KRE | Vo Korea | French Talk and Music  | JARL | Kujang |
| 3560 | 5 | 2010 | 3 | 26 | 1816 | A3E | 321 | KRE | Vo Korea | English Talk and Music | JARL | Kujang |

|      |      |      |    |    |             |             |         |     |      |          |                                                                                                                                                |        |                 |
|------|------|------|----|----|-------------|-------------|---------|-----|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|
| 3560 | 5    | 2010 | 3  | 26 | 1916        |             | A3E     | 321 | KRE  | Vo Korea | Spanish Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 3    | 2010 | 3  | 27 | 1016        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 27 | 1212        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 27 | 1606        |             | A3E     | 321 | KRE  | Vo Korea | French Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 27 | 1810        |             | A3E     | 321 | KRE  | Vo Korea | English Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 27 | 1912        |             | A3E     | 321 | KRE  | Vo Korea | Spanish Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 3    | 2010 | 3  | 28 | 1014        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 3    | 2010 | 3  | 28 | 1224        |             | A3E     | 321 | KRE  | Vo Korea | Beacon                                                                                                                                         | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 28 | 1310        |             | A3E     | 321 | KRE  | Vo Korea | English Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 28 | 1508        |             | A3E     | 321 | KRE  | Vo Korea | English Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 28 | 1610        |             | A3E     | 321 | KRE  | Vo Korea | French Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 28 | 1704        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 28 | 1802        |             | A3E     | non | CHN  | non      | Chainese Talk and Music                                                                                                                        | JARL   | non             |
| 3560 | 3    | 2010 | 3  | 29 | 1012        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 3    | 2010 | 3  | 29 | 1116        |             | A3E     | 321 | KRE  | Vo Korea | Chainese Talk and Music                                                                                                                        | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 29 | 1210        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 29 | 1302        |             | A3E     | 321 | KRE  | Vo Korea | English Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 29 | 1610        |             | A3E     | 321 | KRE  | Vo Korea | French Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 29 | 1804        |             | A3E     | 321 | KRE  | Vo Korea | English Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 29 | 1910        |             | A3E     | 321 | KRE  | Vo Korea | Spanish Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 3    | 2010 | 3  | 30 | 1012        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 30 | 1216        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 30 | 1604        |             | A3E     | 321 | KRE  | Vo Korea | French Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 30 | 1802        |             | A3E     | 321 | KRE  | Vo Korea | English Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 30 | 1910        |             | A3E     | 321 | KRE  | Vo Korea | Spanish Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 3    | 2010 | 3  | 31 | 0908        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 31 | 1010        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 31 | 1108        |             | A3E     | 321 | KRE  | Vo Korea | Chainese Talk and Music                                                                                                                        | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 31 | 1210        |             | A3E     | 321 | KRE  | Vo Korea | Korean Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 31 | 1526        |             | A3E     | 321 | KRE  | Vo Korea | English Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 31 | 1606        |             | A3E     | 321 | KRE  | Vo Korea | French Talk and Music                                                                                                                          | JARL   | Kujang          |
| 3560 | 5    | 2010 | 3  | 31 | 1804        |             | A3E     | 321 | KRE  | Vo Korea | English Talk and Music                                                                                                                         | JARL   | Kujang          |
| 3560 | 3537 | 2010 | 3  | 31 | 20:36       | <20:36>     | A3E 3   |     | KRE  |          | VOICE,MUSIC<br>SYNTHESISED FEMALE<br>VOICE "ECHO ZULU<br>INDIA"" MESSAGE 15"<br>SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2 | JARL   |                 |
| 7000 |      | 2010 | 03 | 11 | <0304-0310> | <0304-0310> | J3E/U   |     | UNID | UNID     | OM                                                                                                                                             | MK82   | ARSI            |
| 7000 |      | 2010 | 03 | 31 | <0155-0205> | <0155-0205> | J3E/U   |     | CLN  | UNID     | OM                                                                                                                                             | MK82   | ARSI            |
| 7000 |      | 2010 | 03 | DY | HX24        | HX24        | J3E/L/U |     | ?    | Unid     | Non Amateurs<br>SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2                                                                 | RF72LQ | NZART<br>ZL1BAD |
| 7003 |      | 2010 | 03 | 02 | <0240-0245> | <0240-0245> | J3E/U   |     | CLN  | UNID     | OM                                                                                                                                             | MK82   | ARSI            |

|        |     |      |    |    |             |             |       |     |     |     |     |      |                                                            |                                                             |                                                             |        |        |    |  |  |  |
|--------|-----|------|----|----|-------------|-------------|-------|-----|-----|-----|-----|------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------|--------|----|--|--|--|
|        |     |      |    |    |             |             |       |     |     |     |     |      |                                                            |                                                             |                                                             |        |        | OM |  |  |  |
| 7005   |     | 2010 | 03 | 26 | <1750>      | 1750        | J3E/U |     |     |     | ?   | Unid | Non Amateurs Ladies singing and clapping - Sample recorded | RE66IM                                                      | NZART                                                       | ZL2IFB |        |    |  |  |  |
| 7005   |     | 2010 | 03 | 26 | <1755>      | 1755        | PXX   |     |     |     | ?   | Unid | 43 pps OTHR                                                | RE66IM                                                      | NZART                                                       | ZL2IFB |        |    |  |  |  |
| 7007   |     | 2010 | 03 | 02 | <0240-0245> | <0240-0245> | J3E/U |     |     |     |     | CLN  | UNID                                                       | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM | MK82                                                        | ARSI   |        |    |  |  |  |
| 7007   |     | 2010 | 03 | 18 | <0220-0230> | <0220-0230> | J3E/U |     |     |     |     | CLN  | UNID                                                       | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM | MK82                                                        | ARSI   |        |    |  |  |  |
| 7008   |     | 2010 | 03 | 26 | <1800>      | 1800        | N0N   |     |     |     |     | ?    | QORK                                                       | Rough tone followed by A1A ID then changes to RTTY          | RE66IM                                                      | NZART  | ZL2IFB |    |  |  |  |
| 7008   |     | 2010 | 03 | 26 | <1805>      | 1820        | F1B   |     | 150 |     |     | ?    | QORK                                                       | RTTY 150 Shift                                              | RE66IM                                                      | NZART  | ZL2IFB |    |  |  |  |
| 7008   | 3   | 2010 | 3  | 26 | 1822        |             | F1B   | non | non | non | non | non  | non                                                        | now on air                                                  |                                                             | JARL   | non    |    |  |  |  |
| 7008   | 3   | 2010 | 3  | 26 | 1914        |             | F1B   | non | non | non | non | non  | non                                                        | now on air                                                  |                                                             | JARL   | non    |    |  |  |  |
| 7010   |     | 2010 | 03 | 26 | <1758>      | 1758        | J3E/U |     |     |     |     | ?    | Unid                                                       | Non Amateurs Ladies and Men chatting - sample recorded      | RE66IM                                                      | NZART  | ZL2IFB |    |  |  |  |
| 7015   | 30  | 2010 | 03 | 05 | <0930>      | 0930        | PXX   |     |     |     |     | ?    | Unid                                                       | 3.5 P.P.S.                                                  | RF72LQ                                                      | NZART  | ZL1BAD |    |  |  |  |
| 7018   | 36  | 2010 | 3  | 02 | 1818        |             | PXX   |     |     | non | non | non  | non                                                        | 7000KHz ~ 7036KHz wide pulse mode PXX OTHR ?                |                                                             | JARL   | non    |    |  |  |  |
| 7020.4 |     | 2010 | 03 | 05 | <0245-0250> | <0245-0250> | J3E/U |     |     |     |     |      | CLN                                                        | UNID                                                        | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM | MK82   | ARSI   |    |  |  |  |
| 7024   | 36  | 2010 | 3  | 05 | 0918        |             | PXX   |     |     | non | non | non  | non                                                        | 7006KHz ~ 7042KHz wide pulse mode PXX OTHR ?                |                                                             | JARL   | non    |    |  |  |  |
| 7025   |     | 2010 | 03 | 02 | <0240-0245> | <0240-0245> | J3E/U |     |     |     |     |      | CLN                                                        | UNID                                                        | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM | MK82   | ARSI   |    |  |  |  |
| 7025   |     | 2010 | 03 | 05 | <0245-0250> | <0245-0250> | J3E/U |     |     |     |     |      | CLN                                                        | UNID                                                        | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM | MK82   | ARSI   |    |  |  |  |
| 7026   | 3.3 | 2010 | 03 | 03 | <1915>      | 1915-2100   | M7B   |     |     |     |     | ?    | Unid                                                       | PHASE MOD. MULTI-CHANNEL                                    | RF72LQ                                                      | NZART  | ZL1BAD |    |  |  |  |
| 7026   | 3.3 | 2010 | 03 | 04 | <1800>      | 1800-2130   | M7B   |     |     |     |     | ?    | Unid                                                       | PHASE MOD. MULTI-CHANNEL                                    | RF72LQ                                                      | NZART  | ZL1BAD |    |  |  |  |
| 7026   | 3.3 | 2010 | 03 | 05 | <0600>      | 0600-0730   | M7B   |     |     |     |     | ?    | Unid                                                       | PHASE MOD. MULTI-CHANNEL                                    | RF72LQ                                                      | NZART  | ZL1BAD |    |  |  |  |
| 7026   | 3.3 | 2010 | 03 | 06 | <0430>      | 0430-0700   | M7B   |     |     |     |     | ?    | Unid                                                       | AS ABOVE. 24 HRS DAILY UNTIL 18TH                           | RF72LQ                                                      | NZART  | ZL1BAD |    |  |  |  |
| 7026   | 3.3 | 2010 | 03 | 18 | <0400>      | 0400        | M7B   |     |     |     |     | ?    | Unid                                                       | PHASE MOD. MULTI-                                           | RF72LQ                                                      | NZART  | ZL1BAD |    |  |  |  |

|        |     |      |    |    |             |             |       |     |     |           |                                                                                 |        |       |              |
|--------|-----|------|----|----|-------------|-------------|-------|-----|-----|-----------|---------------------------------------------------------------------------------|--------|-------|--------------|
| 7030   |     | 2010 | 03 | 05 | <0245-0250> | <0245-0250> | J3E/U |     | CLN | UNID      | CHANNEL<br>SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82   | ARSI  |              |
| 7030   |     | 2010 | 03 | 13 | <0300-0310> | <0300-0310> | J3E/U |     | CLN | UNID      | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM            | MK82   | ARSI  |              |
| 7032   | 3.3 | 2010 | 03 | 18 | <0740>      | 0740        | M7B   |     | ?   | Unid      | PHASE MOD. 16<br>CHANNELS                                                       | RF72LQ | NZART | ZL1BAD       |
| 7039.0 |     | 2010 | 03 | DY | HX24        | HX24        | A1A   |     | RUS | C         | Moscow - Beacon C - RIW<br>Astrakhan (No call sign)                             | RF72LQ | NZART | ZL1BAD       |
| 7039   |     | 2010 | 03 | DY | HX24        | HX24        | A1A   |     | RUS | A         | Beacon A<br>Vladivostok - Beacon F -<br>RJS                                     | RF72LQ | NZART | ZL1BAD       |
| 7039   |     | 2010 | 03 | DY | HX24        | HX24        | A1A   |     | RUS | F         | Kaliningrad - Beacon P -<br>RMP                                                 | RF72LQ | NZART | ZL1BAD       |
| 7039   |     | 2010 | 03 | DY | HX24        | HX24        | A1A   |     | RUS | P         |                                                                                 | RF72LQ | NZART | ZL1BAD       |
| 7039   | 0.5 | 2010 | 3  | 01 | 0012        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 01 | 0106        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 01 | 0204        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 01 | 0332        |             | A1A   | 15  | KRE | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 01 | 0716        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 01 | 0926        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 01 | 1206        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 01 | 1208        |             | A1A   | 314 | RUS | K--signal | Beacon                                                                          |        | JARL  | Petropavlovs |
| 7039   | 0.5 | 2010 | 3  | 01 | 1602        |             | A1A   | 314 | RUS | K--signal | Beacon                                                                          |        | JARL  | Petropavlovs |
| 7039   | 0.5 | 2010 | 3  | 01 | 2234        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 01 | 2344        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 0012        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 0122        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 0336        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 0908        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 0910        |             | A1A   | 314 | RUS | K--signal | Beacon                                                                          |        | JARL  | Petropavlovs |
| 7039   | 0.5 | 2010 | 3  | 02 | 1210        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 1212        | anytime     | A1A   | 314 | RUS | K--signal | Beacon                                                                          | PM97   | JARL  | Petropavlovs |
| 7039   | 0.5 | 2010 | 3  | 02 | 1424        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 1430        |             | A1A   | 314 | RUS | K--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 1602        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 1604        |             | A1A   | 314 | RUS | K--signal | Beacon                                                                          |        | JARL  | Petropavlovs |
| 7039   | 0.5 | 2010 | 3  | 02 | 1816        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 2238        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 02 | 2312        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 03 | 0022        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |
| 7039   | 0.5 | 2010 | 3  | 03 | 0112        |             | A1A   | 15  | RUS | M--signal | Beacon                                                                          |        | JARL  | Magadan      |

|      |     |      |   |    |      |     |     |     |           |        |      |              |
|------|-----|------|---|----|------|-----|-----|-----|-----------|--------|------|--------------|
| 7039 | 0.5 | 2010 | 3 | 03 | 0232 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 03 | 0342 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 03 | 1014 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 03 | 1602 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 03 | 1610 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 03 | 2038 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 03 | 2224 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 03 | 2342 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 04 | 0032 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 04 | 0342 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 04 | 0914 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 04 | 1208 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 04 | 1602 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 04 | 1816 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 04 | 2248 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 04 | 2304 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 05 | 0122 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 05 | 0338 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 05 | 0912 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 05 | 0914 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 05 | 1212 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 05 | 1214 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 05 | 1602 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 05 | 1610 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 05 | 1824 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 05 | 2240 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 05 | 2324 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 06 | 0142 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 06 | 0322 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 06 | 1016 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 06 | 1018 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 06 | 1212 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 06 | 1922 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 06 | 1924 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 06 | 2238 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 06 | 2312 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 07 | 0232 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 07 | 0342 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 07 | 1210 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 07 | 1212 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 07 | 1602 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 07 | 1604 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |

|      |     |      |   |    |      |     |     |     |           |        |      |              |
|------|-----|------|---|----|------|-----|-----|-----|-----------|--------|------|--------------|
| 7039 | 0.5 | 2010 | 3 | 07 | 1824 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 07 | 1826 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 07 | 2246 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 07 | 2328 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 08 | 0008 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 08 | 0334 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 08 | 1016 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 08 | 1018 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 08 | 1212 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 08 | 1214 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 08 | 1602 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 08 | 1604 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 08 | 1812 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 08 | 2244 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 08 | 2304 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 09 | 0122 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 09 | 0338 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 09 | 0918 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 09 | 0920 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 09 | 1212 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 09 | 1602 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 09 | 1604 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 09 | 1906 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 09 | 2220 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 09 | 2346 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 10 | 0022 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 10 | 0342 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 10 | 0920 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 10 | 0922 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 10 | 1214 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 10 | 1220 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 10 | 1602 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 10 | 1604 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 10 | 1808 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 10 | 1810 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 10 | 1814 | A1A | 325 | RUS | C--signal | Beacon | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 10 | 1918 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 10 | 1920 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 10 | 1922 | A1A | 325 | RUS | C--signal | Beacon | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 10 | 2216 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 10 | 2338 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 11 | 0018 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |

|      |     |      |   |    |      |         |     |     |     |           |        |      |              |
|------|-----|------|---|----|------|---------|-----|-----|-----|-----------|--------|------|--------------|
| 7039 | 0.5 | 2010 | 3 | 11 | 0342 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 11 | 0716 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 11 | 0718 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 11 | 1208 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 11 | 1210 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 11 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 11 | 1604 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 11 | 1810 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 11 | 1812 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 11 | 1816 |         | A1A | 325 | RUS | C--signal | Beacon | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 11 | 2216 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 11 | 2336 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 12 | 0020 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 12 | 0342 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 12 | 0920 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 12 | 0922 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 12 | 1214 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 12 | 1216 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 12 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 12 | 1604 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 12 | 1814 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 12 | 1816 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 12 | 2220 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 12 | 2306 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 13 | 0014 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 13 | 0132 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 13 | 0342 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 13 | 1008 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 13 | 1020 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 13 | 1208 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 13 | 1210 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 13 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 13 | 1604 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 13 | 1918 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 13 | 1920 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 13 | 1924 | anytime | A1A | 325 | RUS | C--signal | Beacon | PM97 | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 13 | 2240 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 13 | 2326 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 14 | 0032 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 14 | 0342 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 14 | 1010 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 14 | 1012 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |

|      |     |      |   |    |      |         |     |     |     |           |        |      |              |
|------|-----|------|---|----|------|---------|-----|-----|-----|-----------|--------|------|--------------|
| 7039 | 0.5 | 2010 | 3 | 14 | 1212 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 14 | 1214 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 14 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 14 | 1604 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 14 | 1826 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 14 | 1916 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 14 | 2230 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 14 | 2342 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 15 | 0006 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 15 | 0914 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 15 | 0916 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 15 | 1210 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 15 | 1212 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 15 | 1214 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 15 | 1602 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 15 | 1604 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 15 | 1606 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 15 | 1814 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 15 | 1816 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 15 | 1818 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 15 | 1824 |         | A1A | 325 | RUS | C--signal | Beacon | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 15 | 2238 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 15 | 2240 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 15 | 2316 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 15 | 2318 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 16 | 0022 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 16 | 0024 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 16 | 0112 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 16 | 0114 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 16 | 0344 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 16 | 0346 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 16 | 0922 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 16 | 0924 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 16 | 1208 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 16 | 1210 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 16 | 1212 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 16 | 1602 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 16 | 1604 | anytime | A1A | 15  | RUS | M--signal | Beacon | PM97 | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 16 | 1612 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 16 | 1812 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 16 | 1814 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 16 | 1816 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |

|      |     |      |   |    |      |     |     |     |           |        |      |              |
|------|-----|------|---|----|------|-----|-----|-----|-----------|--------|------|--------------|
| 7039 | 0.5 | 2010 | 3 | 16 | 1822 | A1A | 325 | RUS | C--signal | Beacon | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 16 | 1906 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 16 | 1908 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 16 | 1910 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 16 | 2218 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 16 | 2220 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 16 | 2336 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 17 | 0024 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 17 | 0332 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 17 | 1014 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 17 | 1016 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 17 | 1210 | A1E | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 17 | 1212 | A1E | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 17 | 1602 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 17 | 1604 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 17 | 1808 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 17 | 1810 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 17 | 1816 | A1A | 325 | RUS | C--signal | Beacon | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 17 | 1916 | A1A | 15  | RUS | M--signal | Beacon | PM97 | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 17 | 1918 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 17 | 2238 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 17 | 2322 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 18 | 0008 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 18 | 0344 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 18 | 0730 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 18 | 0732 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 18 | 0734 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 18 | 1226 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 18 | 1228 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 18 | 1602 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 18 | 1604 | A1A | 314 | RUS | M--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 18 | 1704 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 18 | 1706 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 18 | 1806 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 18 | 1808 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 18 | 1812 | A1A | 334 | RUS | S--signal | Beacon | JARL | Murmansk     |
| 7039 | 0.5 | 2010 | 3 | 18 | 2228 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 18 | 2230 | A1A | 321 | RUS | F--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 19 | 0132 | A1A | 15  | RUS | M--signal | Beacon | PM97 | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 19 | 0134 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 19 | 0722 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 19 | 0724 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |

|      |     |      |   |    |      |     |     |     |           |        |      |              |
|------|-----|------|---|----|------|-----|-----|-----|-----------|--------|------|--------------|
| 7039 | 0.5 | 2010 | 3 | 19 | 1014 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 19 | 1016 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 19 | 1208 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 19 | 1210 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 19 | 1602 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 19 | 1604 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 19 | 1804 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 19 | 1806 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 19 | 1814 | A1A | 325 | RUS | C--signal | Beacon | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 19 | 2212 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 19 | 2214 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 19 | 2336 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 19 | 2338 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 20 | 0144 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 20 | 0146 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 20 | 0312 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 20 | 0314 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 20 | 0708 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 20 | 0710 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 20 | 1014 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 20 | 1016 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 20 | 1018 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 20 | 1210 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 20 | 1212 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 20 | 1214 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 20 | 2012 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 20 | 2014 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 20 | 2018 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 20 | 2240 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 20 | 2242 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 20 | 2312 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 20 | 2314 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 21 | 0234 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 21 | 0236 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 21 | 0706 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 21 | 0708 | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 21 | 1016 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 21 | 1018 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 21 | 1210 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 21 | 1212 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 21 | 1602 | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 21 | 1604 | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |

|      |     |      |   |    |      |         |     |     |     |           |        |      |      |              |
|------|-----|------|---|----|------|---------|-----|-----|-----|-----------|--------|------|------|--------------|
| 7039 | 0.5 | 2010 | 3 | 21 | 1806 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 21 | 1808 |         | A1A | 314 | RUS | K--signal | Beacon |      | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 21 | 1814 |         | A1A | 325 | RUS | C--signal | Beacon |      | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 21 | 1912 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 21 | 1914 | anytime | A1A | 314 | RUS | K--signal | Beacon | PM97 | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 21 | 1916 |         | A1A | 325 | RUS | C--signal | Beacon |      | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 21 | 2244 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 21 | 2328 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 22 | 0112 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 22 | 0334 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 22 | 0726 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 22 | 1940 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 22 | 1942 |         | A1A | 314 | RUS | K--signal | Beacon |      | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 22 | 1948 |         | A1A | 325 | RUS | C--signal | Beacon |      | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 22 | 2010 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 22 | 2012 |         | A1A | 314 | RUS | K--signal | Beacon |      | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 22 | 2214 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 22 | 2216 |         | A1A | 321 | RUS | F--signal | Beacon |      | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 22 | 2308 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 22 | 2310 |         | A1A | 321 | RUS | F--signal | Beacon |      | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 23 | 0344 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 15  | 2010 | 3 | 23 | 0722 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 23 | 1214 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 23 | 1216 |         | A1A | 314 | RUS | K--signal | Beacon |      | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 23 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 23 | 1604 |         | A1A | 314 | RUS | K--signal | Beacon |      | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 23 | 1822 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 23 | 1824 |         | A1A | 314 | RUS | K--signal | Beacon |      | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 23 | 1830 |         | A1A | 325 | RUS | C--signal | Beacon |      | JARL | Moscow       |
| 7039 | 0.5 | 2010 | 3 | 23 | 2010 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 23 | 2012 |         | A1A | 314 | RUS | K--signal | Beacon |      | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 23 | 2214 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 23 | 2218 |         | A1A | 321 | RUS | F--signal | Beacon |      | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 23 | 2312 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 24 | 0022 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 24 | 0342 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 24 | 1008 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 24 | 1010 |         | A1A | 314 | RUS | K--signal | Beacon |      | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 24 | 1208 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 24 | 1210 |         | A1A | 314 | RUS | K--signal | Beacon |      | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 24 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon |      | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 24 | 1604 |         | A1A | 314 | RUS | K--signal | Beacon |      | JARL | Petropavlovs |

|      |     |      |   |    |      |         |     |     |     |           |        |      |              |
|------|-----|------|---|----|------|---------|-----|-----|-----|-----------|--------|------|--------------|
| 7039 | 0.5 | 2010 | 3 | 24 | 1810 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 24 | 1812 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 24 | 1910 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 24 | 1912 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 24 | 2242 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 24 | 2244 |         | A1A | 321 | RUS | F--signal | Beacon | JARL | Vladivostok  |
| 7039 | 0.5 | 2010 | 3 | 24 | 2334 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 25 | 0008 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 25 | 0334 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 25 | 0714 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 25 | 1010 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 25 | 1012 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 25 | 1212 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 25 | 1214 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 25 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 25 | 1604 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 25 | 1810 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 25 | 1812 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 25 | 1912 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 25 | 2232 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 25 | 2314 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 26 | 0032 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 26 | 0342 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 26 | 0712 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 26 | 1010 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 26 | 1212 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 26 | 1216 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 26 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 26 | 1604 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 26 | 1812 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 26 | 1814 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 26 | 1908 |         | A3E | 314 | RUS | K--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 26 | 1910 |         | A3E | 321 | KRE | Vo Korea  | Beacon | JARL | Petropavlovs |
| 7039 | 0.5 | 2010 | 3 | 26 | 2220 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 27 | 2334 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 27 | 0014 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 27 | 0334 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 27 | 0706 | anytime | A1A | 15  | RUS | M--signal | Beacon | PM97 | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 27 | 1012 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 27 | 1208 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 27 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |
| 7039 | 0.5 | 2010 | 3 | 27 | 1806 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |

|      |     |      |   |    |      |         |     |     |     |           |        |      |              |         |
|------|-----|------|---|----|------|---------|-----|-----|-----|-----------|--------|------|--------------|---------|
| 7039 | 0.5 | 2010 | 3 | 27 | 1908 | anytime | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 27 | 2236 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 27 | 2344 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 0122 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 0212 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 0306 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 1010 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 1216 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 1218 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 1304 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 1306 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 1504 |         | A1A | 15  | RUS | M--signal | Beacon | PM97 | JARL         | Magadan |
| 7039 | 0.5 | 2010 | 3 | 28 | 1506 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 1606 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 1702 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 1806 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 2230 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 28 | 2312 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 0022 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 0108 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 0204 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 0332 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 0712 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 0804 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 0906 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 0908 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1004 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1006 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1108 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1110 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1206 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1208 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1304 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1306 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1602 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1604 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1806 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1808 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1902 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 1904 |         | A1A | 314 | RUS | K--signal | Beacon | JARL | Petropavlovs |         |
| 7039 | 0.5 | 2010 | 3 | 29 | 2210 |         | A1A | 15  | RUS | M--signal | Beacon | JARL | Magadan      |         |

|        |     |      |    |    |             |             |       |     |     |           |                                                                |        |              |         |
|--------|-----|------|----|----|-------------|-------------|-------|-----|-----|-----------|----------------------------------------------------------------|--------|--------------|---------|
| 7039   | 0.5 | 2010 | 3  | 29 | 2304        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 0004        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 0114        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 0204        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 0336        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 0712        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 1006        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 1008        |             | A1A   | 314 | RUS | K--signal | Beacon                                                         | JARL   | Petropavlovs |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 1210        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 1212        |             | A1A   | 314 | RUS | K--signal | Beacon                                                         | JARL   | Petropavlovs |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 1602        |             | A1A   | 314 | RUS | K--signal | Beacon                                                         | JARL   | Petropavlovs |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 1806        |             | A1A   | 314 | RUS | K--signal | Beacon                                                         | JARL   | Petropavlovs |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 1914        |             | A1A   | 314 | RUS | K--signal | Beacon                                                         | JARL   | Petropavlovs |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 2206        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 30 | 2302        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 0010        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 0122        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 0218        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 0316        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 0712        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 0806        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 0904        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 1006        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 1104        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 1206        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 1208        |             | A1A   | 314 | RUS | K--signal | Beacon                                                         | JARL   | Petropavlovs |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 1524        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 1602        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 1604        |             | A1A   | 314 | RUS | K--signal | Beacon                                                         | JARL   | Petropavlovs |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 1806        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 1808        |             | A1A   | 314 | RUS | K--signal | Beacon                                                         | JARL   | Petropavlovs |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 2226        |             | A1A   | 15  | RUS | M--signal | Beacon                                                         | JARL   | Magadan      |         |
| 7039   | 0.5 | 2010 | 3  | 31 | 2310        | anytime     | A1A   | 15  | RUS | M--signal | Beacon                                                         | PM97   | JARL         | Magadan |
| 7039.3 |     | 2010 | 03 | DY | HX24        | HX24        | A1A   |     | RUS | K         | Beacon<br>Petropavlovsk - Beacon K<br>- RCC                    | RF72LQ | NZART        | ZL1BAD  |
| 7039.4 |     | 2010 | 03 | DY | HX24        | HX24        | A1A   |     | RUS | M         | Magadan - Beacon M -<br>RTS                                    | RF72LQ | NZART        | ZL1BAD  |
| 7039.9 |     | 2010 | 03 | DY | HX24        | HX24        | A1A   |     | RUS | S         | Severomorsk - Beacon S -<br>RIT                                | RF72LQ | NZART        | ZL1BAD  |
| 7042   | 3.3 | 2010 | 03 | 04 | <1820>      | 1820        | M7B   |     | ?   | Unid      | PHASE MOD. MULTI-<br>CHANNEL CHANGE TO<br>F7D @ 1900           | RF72LQ | NZART        | ZL1BAD  |
| 7045   |     | 2010 | 03 | 05 | <0245-0250> | <0245-0250> | J3E/U |     | CLN | UNID      | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2 | MK82   | ARSI         |         |

|        |     |      |    |    |             |             |       |     |     |                      |                                                                                                                   |        |       |        |
|--------|-----|------|----|----|-------------|-------------|-------|-----|-----|----------------------|-------------------------------------------------------------------------------------------------------------------|--------|-------|--------|
|        |     |      |    |    |             |             |       |     |     | OM                   |                                                                                                                   |        |       |        |
| 7050   |     | 2010 | 03 | 05 | <0245-0250> | <0245-0250> | J3E/U |     | CLN | UNID                 | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2                                                    | MK82   | ARSI  |        |
| 7054   |     | 2010 | 03 | DY | <0415>      | 0415-2030   | F1B   | 250 | RUS | Unid                 | Idling sigs only<br>SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2                                | RF72LQ | NZART | ZL1BAD |
| 7058   |     | 2010 | 03 | 05 | <0245-0250> | <0245-0250> | J3E/U |     | CLN | UNID                 | OM                                                                                                                | MK82   | ARSI  |        |
| 7065   | 3.3 | 2010 | 03 | 04 | <1800>      | 1800-2000   | M7B   |     | ?   | Unid                 | PHASE MOD. 16<br>CHANNELS                                                                                         | RF72LQ | NZART | ZL1BAD |
| 7065   | 3   | 2010 | 3  | 12 | 1810        |             | A3E   | non | non | non                  | unknown Talk and Music<br>SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2                          |        | JARL  | non    |
| 7081.5 |     | 2010 | 03 | 06 | <1245-1250> | <1245-1250> | J3E/U |     | CLN | UNID                 | OM                                                                                                                | MK82   | ARSI  |        |
| 7084   | 36  | 2010 | 3  | 09 | 1550        |             | PXX   | non | non | non                  | 7066KHz ~ 7102KHz wide<br>pulse mode PXX OTHR ?                                                                   |        | JARL  | non    |
| 7084   | 36  | 2010 | 3  | 09 | 1614        |             | PXX   | non | non | non                  | 7066KHz ~ 7102KHz wide<br>pulse mode PXX OTHR ?                                                                   |        | JARL  | non    |
| 7084   | 36  | 2010 | 3  | 30 | 1218        |             | PXX   | non | non | non                  | 7066KHz ~ 7102KHz wide<br>pulse mode PXX OTHR ?                                                                   |        | JARL  | non    |
| 7088   | 36  | 2010 | 3  | 14 | 1828        |             | PXX   | non | non | non                  | 7070KHz ~ 7106KHz wide<br>pulse mode PXX OTHR ?<br>SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2 |        | JARL  | non    |
| 7095   |     | 2010 | 03 | 05 | <1240-1245> | <1240-1245> | J3E/U |     | CLN | UNID                 | OM                                                                                                                | MK82   | ARSI  |        |
| 7095   | 3.3 | 2010 | 03 | 10 | <0830>      | 0830        | M7B   |     | ?   | Unid                 | PHASE MOD. 16 CHNLS                                                                                               | RF72LQ | NZART | ZL1BAD |
| 7096   | 36  | 2010 | 3  | 15 | 0918        |             | PXX   | non | non | non                  | 7080KHz ~ 7116KHz wide<br>pulse mode PXX OTHR ?                                                                   |        | JARL  | non    |
| 7100   |     | 2010 | 03 | DY | <1800>      | 1800-2000   | A3E   |     |     | R.Voice of<br>Korea. | B.C. Stn. Pyongyang.                                                                                              | RF72LQ | NZART | ZL1BAD |
| 7100   | 5   | 2010 | 3  | 01 | 2018        |             | A3E   | 321 | KRE | Vo Korea             | French Talk and Music                                                                                             |        | JARL  | Kujang |
| 7100   | 5   | 2010 | 3  | 02 | 1812        |             | A3E   | 321 | KRE | Vo Korea             | French Talk and Music                                                                                             |        | JARL  | Kujang |
| 7100   | 5   | 2010 | 3  | 03 | 2032        |             | A3E   | 321 | KRE | Vo Korea             | Korean Talk and Music                                                                                             |        | JARL  | Kujang |
| 7100   | 5   | 2010 | 3  | 04 | 1812        |             | A3E   | 321 | KRE | Vo Korea             | French Talk and Music                                                                                             |        | JARL  | Kujang |
| 7100   | 5   | 2010 | 3  | 05 | 1820        |             | A3E   | 321 | KRE | Vo Korea             | French Talk and Music                                                                                             |        | JARL  | Kujang |
| 7100   | 5   | 2010 | 3  | 06 | 1918        |             | A3E   | 321 | KRE | Vo Korea             | English Talk and Music                                                                                            |        | JARL  | Kujang |
| 7100   | 5   | 2010 | 3  | 07 | 1820        | anytime     | A3E   | 321 | KRE | Vo Korea             | French Talk and Music                                                                                             | PM97   | JARL  | Kujang |
| 7100   | 5   | 2010 | 3  | 08 | 1806        |             | A3E   | 321 | KRE | Vo Korea             | French Talk and Music                                                                                             |        | JARL  | Kujang |
| 7100   | 5   | 2010 | 3  | 09 | 1902        |             | A3E   | 321 | KRE | Vo Korea             | English Talk and Music                                                                                            |        | JARL  | Kujang |
| 7100   | 5   | 2010 | 3  | 10 | 1804        |             | A3E   | 321 | KRE | Vo Korea             | French Talk and Music                                                                                             |        | JARL  | Kujang |
| 7100   | 3   | 2010 | 3  | 10 | 1910        |             | A3E   | 321 | KRE | Vo Korea             | English Talk and Music                                                                                            |        | JARL  | Kujang |

|      |   |      |   |    |      |     |     |     |              |                        |           |        |
|------|---|------|---|----|------|-----|-----|-----|--------------|------------------------|-----------|--------|
| 7100 | 5 | 2010 | 3 | 11 | 1806 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 3 | 2010 | 3 | 12 | 1804 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 13 | 1912 | A3E | 321 | KRE | Vo Korea     | English Talk and Music | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 14 | 1820 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 14 | 1910 | A3E | 321 | KRE | Vo Korea     | English Talk and Music | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 15 | 1810 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 16 | 1810 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 16 | 1904 | A3E | 321 | KRE | Vo Korea     | English Talk and Music | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 17 | 1804 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 3 | 2010 | 3 | 17 | 1912 | A3E | 321 | KRE | Vo Korea     | English Talk and Music | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 18 | 1804 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 19 | 1802 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 20 | 2004 | A3E | 321 | KRE | Vo Korea     | Korean Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 21 | 1804 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 21 | 1910 | A3E | 321 | KRE | Vo Korea     | English Talk and Music | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 22 | 1934 | A3E | 321 | KRE | Vo Korea     | English Talk and Music | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 22 | 2004 | A3E | 321 | KRE | Vo Korea     | Korean Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 23 | 1818 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 23 | 2004 | A3E | 321 | KRE | Vo Korea     | Korean Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 24 | 1804 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 24 | 1902 | A3E | 321 | KRE | Vo Korea     | English Talk and Music | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 25 | 1804 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 25 | 1910 | A3E | 321 | KRE | Vo Korea     | English Talk and Music | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 26 | 1806 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 26 | 1906 | A3E | 321 | KRE | Vo Korea     | English Talk and Music | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 27 | 1804 | A3E | 321 | KRE | Vo Korea     | French Talk and Music  | JARL      | Kujang |
| 7100 | 5 | 2010 | 3 | 27 | 1906 | A3E | 321 | KRE | Vo Korea     | English Talk and Music | JARL      | Kujang |
| 7105 | 5 | 2010 | 3 | 01 | 2224 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music | JARL      | Hohhot |
| 7105 | 3 | 2010 | 3 | 01 | 2226 | A3E | non | CHN | non          | Chinese Talk and Music | JARL      | non    |
| 7105 | 5 | 2010 | 3 | 02 | 2230 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music | JARL      | Hohhot |
| 7105 | 3 | 2010 | 3 | 02 | 2232 | A3E | non | CHN | non          | Chinese Talk and Music | JARL      | non    |
| 7105 | 5 | 2010 | 3 | 03 | 2216 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music | JARL      | Hohhot |
| 7105 | 3 | 2010 | 3 | 03 | 2218 | A3E | non | CHN | non          | Chinese Talk and Music | PM97 JARL | non    |
| 7105 | 5 | 2010 | 3 | 04 | 2240 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music | JARL      | Hohhot |
| 7105 | 3 | 2010 | 3 | 04 | 2242 | A3E | non | CHN | non          | Chinese Talk and Music | JARL      | non    |
| 7105 | 5 | 2010 | 3 | 05 | 2232 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music | JARL      | Hohhot |
| 7105 | 3 | 2010 | 3 | 05 | 2234 | A3E | non | CHN | non          | Chinese Talk and Music | JARL      | non    |
| 7105 | 5 | 2010 | 3 | 06 | 2232 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music | JARL      | Hohhot |
| 7105 | 3 | 2010 | 3 | 06 | 2234 | A3E | non | CHN | non          | Chinese Talk and Music | JARL      | non    |
| 7105 | 5 | 2010 | 3 | 07 | 2238 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music | JARL      | Hohhot |
| 7105 | 3 | 2010 | 3 | 07 | 2240 | A3E | non | CHN | non          | Chinese Talk and Music | JARL      | non    |
| 7105 | 5 | 2010 | 3 | 08 | 2236 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music | JARL      | Hohhot |

|      |   |      |   |    |      |     |     |     |              |                                                                                 |      |        |
|------|---|------|---|----|------|-----|-----|-----|--------------|---------------------------------------------------------------------------------|------|--------|
| 7105 | 3 | 2010 | 3 | 08 | 2238 | A3E | non | CHN | non          | Chinese Talk and Music<br>Chinese Talk and Music<br>23:00UTC<br>Time signal 5+1 | JARL | non    |
| 7105 | 5 | 2010 | 3 | 08 | 2258 | A3E | 273 | CHN | PBS Nei Meng | 2sec late after QRT                                                             | JARL | Hohhot |
| 7105 | 5 | 2010 | 3 | 09 | 2212 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 09 | 2214 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 10 | 2208 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 10 | 2210 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 11 | 2208 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 11 | 2210 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 12 | 2210 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 12 | 2212 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 13 | 2232 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 13 | 2234 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 14 | 2222 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 14 | 2224 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 15 | 2230 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 15 | 2232 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 16 | 2210 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 16 | 2212 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 17 | 2230 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 17 | 2232 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 18 | 2220 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 18 | 2222 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 19 | 2204 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 19 | 2206 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 20 | 2232 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 20 | 2234 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 5 | 2010 | 3 | 21 | 2234 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 21 | 2236 | A3E | non | CHN | non          | Chinese Talk and Music                                                          | JARL | non    |
| 7105 | 1 | 2010 | 3 | 22 | 2155 | A0N | non | non | non          | no modulation<br>21:55 UTC on air                                               | JARL | non    |
| 7105 | 5 | 2010 | 3 | 22 | 2200 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 22 | 2206 | A3E | non | CHN | non          | Chinese Talk and Music<br>Chinese Talk and Music<br>23:00UTC<br>Time signal 5+1 | JARL | non    |
| 7105 | 5 | 2010 | 3 | 22 | 2258 | A3E | 273 | CHN | PBS Nei Meng | 2sec late after QRT                                                             | JARL | Hohhot |
| 7105 | 1 | 2010 | 3 | 23 | 2157 | A0N | non | CHN | non          | no modulation<br>21:57:28 UTC on air                                            | JARL | non    |
| 7105 | 5 | 2010 | 3 | 23 | 2159 | A3E | 273 | CHN | PBS Nei Meng | Chinese Talk and Music                                                          | JARL | Hohhot |
| 7105 | 3 | 2010 | 3 | 23 | 2206 | A3E | non | CHN | non          | Chinese Talk and Music<br>Chinese Talk and Music<br>23:00UTC<br>Time signal 5+1 | JARL | non    |
| 7105 | 5 | 2010 | 3 | 23 | 2258 | A3E | 273 | CHN | PBS Nei Meng | 2sec late after QRT                                                             | JARL | Hohhot |

|      |    |      |    |    |             |             |     |        |     |              |                                                 |        |              |
|------|----|------|----|----|-------------|-------------|-----|--------|-----|--------------|-------------------------------------------------|--------|--------------|
| 7105 | 5  | 2010 | 3  | 24 | 2232        |             | A3E | 273    | CHN | PBS Nei Meng | Chinese Talk and Music                          | JARL   | Hohhot       |
| 7105 | 3  | 2010 | 3  | 24 | 2234        |             | A3E | non    | CHN | non          | Chinese Talk and Music                          | JARL   | non          |
| 7105 | 5  | 2010 | 3  | 25 | 2224        |             | A3E | 273    | CHN | PBS Nei Meng | Chinese Talk and Music                          | JARL   | Hohhot       |
| 7105 | 3  | 2010 | 3  | 25 | 2226        |             | A3E | non    | CHN | non          | Chinese Talk and Music                          | JARL   | non          |
| 7105 | 5  | 2010 | 3  | 26 | 2212        |             | A3E | 273    | CHN | PBS Nei Meng | Chinese Talk and Music                          | JARL   | Hohhot       |
| 7105 | 3  | 2010 | 3  | 26 | 2214        |             | A3E | non    | CHN | non          | Chinese Talk and Music                          | JARL   | non          |
| 7105 | 5  | 2010 | 3  | 27 | 2224        |             | A3E | 273    | CHN | PBS Nei Meng | Chinese Talk and Music                          | JARL   | Hohhot       |
| 7105 | 3  | 2010 | 3  | 27 | 2226        |             | A3E | non    | CHN | non          | Chinese Talk and Music                          | JARL   | non          |
| 7105 | 5  | 2010 | 3  | 28 | 2220        |             | A3E | 273    | CHN | PBS Nei Meng | Chinese Talk and Music                          | JARL   | Hohhot       |
| 7105 | 3  | 2010 | 3  | 28 | 2222        |             | A3E | non    | CHN | non          | Chinese Talk and Music                          | JARL   | non          |
| 7105 | 5  | 2010 | 3  | 29 | 2159        |             | A3E | 273    | CHN | PBS Nei Meng | Chinese Talk and Music 22:00 UTC no time signal | JARL   | Hohhot       |
| 7105 | 3  | 2010 | 3  | 29 | 2202        |             | A3E | non    | CHN | non          | Chinese Talk and Music                          | JARL   | non          |
| 7105 | 5  | 2010 | 3  | 29 | 2258        |             | A3E | 273    | CHN | PBS Nei Meng | Chinese Talk and Music 23:00UTC Timesignal      | JARL   | Hohhot       |
| 7105 | 1  | 2010 | 3  | 30 | 2156        |             | A0N | non    | CHN | non          | 5+1 2sec late after QRT no modulation           | JARL   | non          |
| 7105 | 5  | 2010 | 3  | 30 | 2159        |             | A3E | 273    | CHN | PBS Nei Meng | Chinese Talk and Music 22:00 UTC Program start  | JARL   | Hohhot       |
| 7105 | 3  | 2010 | 3  | 30 | 2200        |             | A3E | non    | CHN | non          | Chinese Talk and Music                          | JARL   | non          |
| 7105 | 5  | 2010 | 3  | 30 | 2258        |             | A3E | 273    | CHN | PBS Nei Meng | Chinese Talk and Music 23:00UTC Timesignal      | JARL   | Hohhot       |
| 7105 | 5  | 2010 | 3  | 31 | 2218        |             | A3E | 273    | CHN | PBS Nei Meng | 5+1 2sec late after QRT                         | JARL   | Hohhot       |
| 7105 | 3  | 2010 | 3  | 31 | 2220        |             | A3E | non    | CHN | non          | Chinese Talk and Music                          | JARL   | non          |
| 7105 | 5  | 2010 | 3  | 31 | 2258        |             | A3E | 273    | CHN | PBS Nei Meng | Chinese Talk and Music DOMESTIC                 | JARL   | Hohhot       |
| 7110 | 5  | 2010 | 03 | 13 | <0300-0310> | <0300-0310> | A3E |        | ETH | BC           | BROADCASTING SERVICE                            | MK82   | ARSI         |
| 7110 |    | 2010 | 03 | 21 | <0505>      | 0505        | A3E |        | ETH | Unid         | BC Suspected Radio Ethiopia S7                  | RF73MF | NZART ZL1GWE |
| 7110 |    | 2010 | 03 | DY | <0415>      | 0415-0650   | A3E |        | ?   | Unid         | B-C STN.                                        | RF72LQ | NZART ZL1BAD |
| 7110 | 10 | 2010 | 03 | DY | <1715>      | 1715-2000   | A3E |        | ?   | Unid         | B-C STN. GROSSLY OVER MODULATED                 | RF72LQ | NZART ZL1BAD |
| 7110 | 3  | 2010 | 3  | 10 | 1912        | anytime     | A3E | non    | non | non          | unknown Talk and Music                          | PM97   | JARL non     |
| 7110 | 3  | 2010 | 3  | 12 | 1806        |             | A3E | non    | non | non          | unknown Talk and Music                          | JARL   | non          |
| 7110 | 3  | 2010 | 3  | 17 | 1914        |             | A3E | non    | non | non          | unknown Talk and Music                          | JARL   | non          |
| 7110 | 3  | 2010 | 3  | 24 | 1904        |             | A3E | non    | non | non          | unknown Talk and Music                          | JARL   | non          |
| 7110 | 3  | 2010 | 3  | 29 | 1906        |             | A1A | non    | non | non          | unknown Talk and Music                          | JARL   | non          |
| 7122 |    | 2010 | 03 | 22 | <1715>      | 1715-1725   | F1B | 250    | RUS | Unid         | RUSSIAN NAVAL SHORE STN.                        | RF72LQ | NZART ZL1BAD |
| 7122 |    | 2010 | 03 | 25 | <1910>      | 1910        | F1B | 250    | RUS | Unid         | RUSSIAN NAVAL SHORE STN.                        | RF72LQ | NZART ZL1BAD |
| 7135 |    | 2010 | 03 | 25 | <1745>      | 1745-1830   | F1B | 70 240 | ?   | Unid R.      | ENCRYPTED B-C STN. STARTS AT                    | RF72LQ | NZART ZL1BAD |
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| 7140 | 3 | 2010 | 3 | 28 | 1204 | A3E | 321 | KRE | Vo Korea    | Korean Talk and Music  | JARL | Kujang  |
| 7140 | 3 | 2010 | 3 | 28 | 1206 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music | JARL | Yakutsk |
| 7140 | 3 | 2010 | 3 | 29 | 1216 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music | JARL | Yakutsk |
| 7140 | 3 | 2010 | 3 | 29 | 1310 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music | PM97 | Yakutsk |
| 7140 | 3 | 2010 | 3 | 29 | 1556 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music | JARL | Yakutsk |
| 7140 | 3 | 2010 | 3 | 30 | 1206 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music | JARL | Yakutsk |
| 7140 | 3 | 2010 | 3 | 30 | 1556 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music | JARL | Yakutsk |

|      |     |      |    |    |             |             |         |     |     |             |                                                                  |       |         |
|------|-----|------|----|----|-------------|-------------|---------|-----|-----|-------------|------------------------------------------------------------------|-------|---------|
| 7140 | 3   | 2010 | 3  | 31 | 1230        |             | A3E     | 352 | RUS | NVK R Sakha | Russian Talk and Music<br>INTERFERED WITH BY<br>SPURS FROM 7110  | JARL  | Yakutsk |
| 7144 |     | 2010 | 03 | 25 | <1720>      | 1720-1915   | F1B/N0N | 200 | ?   | Unid        |                                                                  | NZART | ZL1BAD  |
| 7144 | 36  | 2010 | 3  | 26 | 1818        |             | PXX     | non | non | non         | 7126KHz ~ 7162KHz wide<br>pulse mode PXX OTHR ?                  | JARL  | non     |
| 7144 | 36  | 2010 | 3  | 26 | 1918        |             | PXX     | non | non | non         | 7126KHz ~ 7162KHz wide<br>pulse mode PXX OTHR ?<br>INTERNATIONAL | JARL  | non     |
| 7145 | 5   | 2010 | 03 | 06 | <1240-1245> | <1240-1245> | A3E     |     | LAO | BC          | SERVICE FROM LAOS                                                | ARSI  |         |
| 7162 |     | 2010 | 03 | 05 | <0610>      | 0610        | F1B     | 250 | ?   | Unid        | Encrypted                                                        | NZART | ZL1BAD  |
| 7162 |     | 2010 | 03 | 30 | <0600>      | 0600        | F1B     | 250 | ?   | Unid        | Encrypted<br>B-C STN. CLOSSES AT<br>1824                         | NZART | ZL1BAD  |
| 7165 |     | 2010 | 03 | DY | <0345>      | 0345-1735   | A3E     |     | ?   | Unid        |                                                                  | NZART | ZL1BAD  |
| 7165 | 3   | 2010 | 3  | 09 | 1546        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7165 | 3   | 2010 | 3  | 09 | 1610        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7165 | 3   | 2010 | 3  | 15 | 1812        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7165 | 3   | 2010 | 3  | 17 | 1806        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7165 | 3   | 2010 | 3  | 19 | 1756        |             | A3E     | non | non | non         | unknown Talk and Music<br>18:00 UTC no Time signal               | JARL  | non     |
| 7165 | 3   | 2010 | 3  | 23 | 1820        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7165 | 3   | 2010 | 3  | 25 | 1806        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7165 | 3   | 2010 | 3  | 26 | 1808        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7165 | 3   | 2010 | 3  | 29 | 1810        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7165 | 3   | 2010 | 3  | 31 | 1520        |             | A3E     | non | non | non         | unknown Talk and Music<br>PHASE MOD. 16                          | JARL  | non     |
| 7172 | 3.3 | 2010 | 03 | 05 | <0415>      | 0415-0500   | M7B     |     | ?   | Unid        | CHANNELS<br>B-C STN. CLOSSES AT<br>2000. PROBABLY                | NZART | ZL1BAD  |
| 7175 |     | 2010 | 03 | DY | <1815>      | 1815-2000   | A3E     |     | ?   | Unid        | ARABIC LANGUAGE                                                  | NZART | ZL1BAD  |
| 7175 | 3   | 2010 | 3  | 16 | 1920        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7175 | 3   | 2010 | 3  | 22 | 1936        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7175 | 3   | 2010 | 3  | 24 | 1806        |             | A3E     | non | non | non         | unknown Talk and Music                                           | JARL  | non     |
| 7180 | 5   | 2010 | 3  | 01 | 2228        |             | A3E     | 321 | KRE | Vo Korea    | Chinese Talk and Music                                           | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 01 | 2342        |             | A3E     | 321 | KRE | Vo Korea    | Korean Talk and Music                                            | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 02 | 2234        |             | A3E     | 321 | KRE | Vo Korea    | Chinese Talk and Music                                           | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 02 | 2310        |             | A3E     | 321 | KRE | Vo Korea    | Korean Talk and Music                                            | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 03 | 2220        |             | A3E     | 321 | KRE | Vo Korea    | Chinese Talk and Music                                           | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 03 | 2340        |             | A3E     | 321 | KRE | Vo Korea    | Korean Talk and Music                                            | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 04 | 2244        |             | A3E     | 321 | KRE | Vo Korea    | Chinese Talk and Music                                           | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 04 | 2302        |             | A3E     | 321 | KRE | Vo Korea    | Korean Talk and Music                                            | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 05 | 2236        |             | A3E     | 321 | KRE | Vo Korea    | Chinese Talk and Music                                           | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 05 | 2320        |             | A3E     | 321 | KRE | Vo Korea    | Korean Talk and Music                                            | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 06 | 2236        |             | A3E     | 321 | KRE | Vo Korea    | Chinese Talk and Music                                           | JARL  | Kujang  |
| 7180 | 5   | 2010 | 3  | 06 | 2310        |             | A3E     | 321 | KRE | Vo Korea    | Korean Talk and Music                                            | JARL  | Kujang  |

|      |   |      |   |    |      |     |     |     |          |                        |      |        |        |
|------|---|------|---|----|------|-----|-----|-----|----------|------------------------|------|--------|--------|
| 7180 | 5 | 2010 | 3 | 07 | 2242 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 07 | 2326 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 08 | 2240 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 08 | 2302 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 09 | 2216 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 09 | 2344 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 10 | 2212 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 10 | 2336 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 11 | 2212 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 11 | 2334 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 12 | 2216 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 12 | 2304 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 13 | 2236 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 13 | 2324 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 14 | 2226 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 14 | 2340 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 15 | 2234 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 15 | 2314 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 16 | 2214 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 16 | 2334 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 17 | 2234 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 17 | 2320 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 18 | 2224 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 19 | 2208 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 19 | 2334 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 20 | 2236 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 20 | 2310 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 21 | 2238 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 21 | 2326 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 22 | 2210 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 22 | 2306 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 23 | 2210 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 23 | 2310 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 24 | 2238 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 24 | 2332 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 25 | 2228 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | PM97 | JARL   | Kujang |
| 7180 | 5 | 2010 | 3 | 25 | 2312 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 26 | 2216 | A3E | 321 | KRE | Vo Korea | Chinese Talk and Music | JARL | Kujang |        |
| 7180 | 5 | 2010 | 3 | 27 | 2332 | A3E | 321 | KRE | Vo Korea | Korean Talk and Music  | JARL | Kujang |        |
| 7180 | 1 | 2010 | 3 | 27 | 2228 | A0N | non | non | non      | no modulation          | JARL | Kujang |        |
| 7180 | 1 | 2010 | 3 | 27 | 2340 | A0N | non | non | non      | no modulation          | JARL | Kujang |        |
| 7185 | 5 | 2010 | 3 | 28 | 1210 | A3E | non | non | non      | Chinese Talk and Music | JARL | non    |        |

|        |   |      |    |    |             |             |     |     |     |     |             |                                                                                                  |        |         |
|--------|---|------|----|----|-------------|-------------|-----|-----|-----|-----|-------------|--------------------------------------------------------------------------------------------------|--------|---------|
| 7185   | 5 | 2010 | 3  | 28 | 1258        |             | A3E |     | non | CHN | non         | Chinese Talk and Music<br>13:00 UTC Time signal<br>5+1 2sec late                                 | JARL   | non     |
| 7185   | 5 | 2010 | 3  | 28 | 1458        |             | A3E |     | non | CHN | non         | Chinese Talk and Music<br>15:00 UTC Time signal<br>5+1 2sec late                                 | JARL   | non     |
| 7185   | 5 | 2010 | 3  | 28 | 1558        |             | A3E |     | non | CHN | non         | Chinese Talk and Music<br>16:00 UTC Time signal<br>5+1 2sec late                                 | JARL   | non     |
| 7185   | 5 | 2010 | 3  | 28 | 1658        |             | A3E |     | non | CHN | non         | Chinese Talk and Music<br>17:00 UTC Time signal<br>5+1 2sec late                                 | JARL   | non     |
| 7185   | 5 | 2010 | 3  | 28 | 1758        |             | A3E |     | non | CHN | non         | Chinese Talk and Music<br>18:00 UTC Time signal<br>5+1 2sec late                                 | JARL   | Kujang  |
| 7185.8 | 6 | 2010 | 03 | 06 | <1240-1245> | <1240-1245> | A3E |     |     | BRM | BC          | DOMESTIC<br>BROADCASTING<br>SERVICE<br>SOUTH ASIAIAN<br>SERVICE FROM SLBC-<br>COLOMBO, SRI LANKA | MK82   | ARSI    |
| 7190   | 6 | 2010 | 03 | 18 | <0220-0230> | <0220-0230> | A3E |     |     | CLN | SLBC        | Russian talk and music S9                                                                        | MK82   | ARSI    |
| 7200   |   | 2010 | 03 | 21 | <0510>      | 0510        | A3E |     |     | RUS | Unid        |                                                                                                  | RF73MF | NZART   |
| 7200   | 3 | 2010 | 3  | 01 | 0718        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 3 | 2010 | 3  | 01 | 0928        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 01 | 1210        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music<br>16:00 UTC Time signal                                                  | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 01 | 1558        |             | A3E | 352 |     | RUS | NVK R Sakha | 5+1 4sec late after QRT                                                                          | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 01 | 2016        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 3 | 2010 | 3  | 01 | 2230        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 02 | 0906        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 02 | 1208        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 02 | 1422        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music<br>16:00 UTC Time signal                                                  | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 02 | 1558        |             | A3E | 352 |     | RUS | NVK R Sakha | 5+1 4sec late after QRT                                                                          | JARL   | Yakutsk |
| 7200   | 3 | 2010 | 3  | 02 | 2236        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 03 | 1012        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 03 | 1210        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music<br>16:00 UTC Time signal                                                  | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 03 | 1558        |             | A3E | 352 |     | RUS | NVK R Sakha | 5+1 4sec late after QRT                                                                          | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 03 | 2036        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 03 | 2222        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 04 | 0912        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 3 | 2010 | 3  | 04 | 1204        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music                                                                           | JARL   | Yakutsk |
| 7200   | 5 | 2010 | 3  | 04 | 1558        |             | A3E | 352 |     | RUS | NVK R Sakha | Russian Talk and Music<br>16:00 UTC Time signal                                                  | JARL   | Yakutsk |

5+1 4sec late after QRT

|      |   |      |   |    |      |     |     |     |             |                                                                            |      |         |
|------|---|------|---|----|------|-----|-----|-----|-------------|----------------------------------------------------------------------------|------|---------|
| 7200 | 3 | 2010 | 3 | 04 | 2246 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 05 | 0910 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 05 | 1210 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 05 | 1556 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 05 | 2238 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 06 | 1014 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 06 | 1210 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 07 | 1208 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 07 | 1558 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 07 | 2244 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 08 | 1014 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 08 | 1210 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 08 | 1558 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music<br>16:00 UTC Time signal<br>5+1 4sec late after QRT | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 08 | 2242 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 09 | 0916 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 09 | 1210 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music<br>16:00 UTC Time signal                            | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 09 | 1558 | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT                                                    | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 09 | 2218 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 10 | 0918 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 10 | 1212 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music<br>16:00 UTC Time signal                            | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 10 | 1558 | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT                                                    | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 10 | 2214 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 11 | 0712 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 11 | 1206 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music<br>16:00 UTC Time signal                            | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 11 | 1558 | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT                                                    | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 11 | 2214 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 12 | 0918 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 12 | 1212 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 12 | 1558 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 12 | 2218 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 13 | 1006 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                                                     | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 13 | 1206 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music<br>16:00 UTC Time signal                            | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 13 | 1558 | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT                                                    | JARL | Yakutsk |

|      |   |      |   |    |      |         |     |     |     |             |                                                 |      |         |
|------|---|------|---|----|------|---------|-----|-----|-----|-------------|-------------------------------------------------|------|---------|
| 7200 | 3 | 2010 | 3 | 13 | 2238 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 14 | 1008 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 14 | 1210 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
|      |   |      |   |    |      |         |     |     |     |             | Russian Talk and Music<br>16:00 UTC Time signal |      |         |
| 7200 | 5 | 2010 | 3 | 14 | 1558 |         | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT                         | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 14 | 2228 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 15 | 0922 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 15 | 1208 | anytime | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | PM97 | JARL    |
|      |   |      |   |    |      |         |     |     |     |             | Russian Talk and Music<br>16:00 UTC Time signal |      |         |
| 7200 | 5 | 2010 | 3 | 15 | 1558 |         | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT                         | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 15 | 2236 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 16 | 0918 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 16 | 1206 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
|      |   |      |   |    |      |         |     |     |     |             | Russian Talk and Music<br>16:00 UTC Time signal |      |         |
| 7200 | 5 | 2010 | 3 | 16 | 1558 |         | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT                         | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 16 | 2216 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 17 | 1012 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 17 | 1208 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
|      |   |      |   |    |      |         |     |     |     |             | Russian Talk and Music<br>16:00 UTC Time signal |      |         |
| 7200 | 5 | 2010 | 3 | 17 | 1558 |         | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT                         | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 17 | 2236 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 18 | 0728 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 18 | 1224 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 18 | 1552 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 18 | 2226 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 19 | 1012 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 19 | 1206 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
|      |   |      |   |    |      |         |     |     |     |             | Russian Talk and Music<br>16:00 UTC Time signal |      |         |
| 7200 | 5 | 2010 | 3 | 19 | 1558 |         | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT                         | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 19 | 2210 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 20 | 1012 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 20 | 1208 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 20 | 2010 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 20 | 2238 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 21 | 1014 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 21 | 1208 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
|      |   |      |   |    |      |         |     |     |     |             | Russian Talk and Music<br>16:00 UTC Time signal |      |         |
| 7200 | 5 | 2010 | 3 | 21 | 1558 |         | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT                         | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 21 | 2240 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 22 | 1210 |         | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music                          | JARL | Yakutsk |

|      |   |      |   |    |      |     |     |     |             |                         |      |         |
|------|---|------|---|----|------|-----|-----|-----|-------------|-------------------------|------|---------|
| 7200 | 5 | 2010 | 3 | 22 | 2008 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 22 | 2212 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 23 | 1212 | A3E | 352 | RUS | NVK R Sakha | Russian talk and Music  | JARL | Yakutsk |
|      |   |      |   |    |      |     |     |     |             | Russian Talk and Music  |      |         |
| 7200 | 5 | 2010 | 3 | 23 | 1558 | A3E | 352 | RUS | NVK R Sakha | 16:00 UTC Time signal   | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 23 | 2008 | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 23 | 2212 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 24 | 1006 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 24 | 1206 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
|      |   |      |   |    |      |     |     |     |             | Russian Talk and Music  |      |         |
| 7200 | 5 | 2010 | 3 | 24 | 1558 | A3E | 352 | RUS | NVK R Sakha | 16:00 UTC Time signal   | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 24 | 2240 | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 25 | 1008 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 25 | 1210 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 25 | 1558 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 25 | 2230 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Kujang  |
| 7200 | 5 | 2010 | 3 | 26 | 1006 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 26 | 1208 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
|      |   |      |   |    |      |     |     |     |             | Russian Talk and Music  |      |         |
| 7200 | 5 | 2010 | 3 | 26 | 1558 | A3E | 352 | RUS | NVK R Sakha | 16:00 UTC Time signal   | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 26 | 2218 | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 27 | 1010 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 27 | 1206 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
|      |   |      |   |    |      |     |     |     |             | Russian Talk and Music  |      |         |
| 7200 | 5 | 2010 | 3 | 27 | 1558 | A3E | 352 | RUS | NVK R Sakha | 16:00 UTC Time signal   | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 27 | 2234 | A3E | 352 | RUS | NVK R Sakha | 5+1 4sec late after QRT | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 28 | 1008 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 3 | 2010 | 3 | 28 | 1214 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 28 | 1302 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 28 | 1502 | A3E | 352 | RUS | NVK R Sakha | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 28 | 2226 | A3E | 321 | KRE | Vo Korea    | Russian Talk and Music  | JARL | Yakutsk |
| 7200 | 5 | 2010 | 3 | 28 | 2310 | A3E | 321 | KRE | Vo Korea    | Korean Talk and Music   | JARL | Kujang  |
| 7200 | 5 | 2010 | 3 | 29 | 0020 | A3E | 321 | KRE | Vo Korea    | KoreaTalk and Music     | JARL | Kujang  |
| 7200 | 5 | 2010 | 3 | 29 | 0106 | A3E | 321 | KRE | Vo Korea    | Korea Talk and Music    | JARL | Kujang  |
| 7200 | 5 | 2010 | 3 | 29 | 0202 | A3E | 321 | KRE | Vo Korea    | English Talk and Music  | JARL | Kujang  |
| 7200 | 5 | 2010 | 3 | 29 | 0330 | A3E | 321 | KRE | Vo Korea    | Chinese Talk and Music  | JARL | Kujang  |
| 7200 | 5 | 2010 | 3 | 29 | 0710 | A3E | 321 | KRE | Vo Korea    | English Talk and Music  | JARL | Kujang  |
| 7200 | 5 | 2010 | 3 | 29 | 0802 | A3E | 321 | KRE | Vo Korea    | Korean Talk and Music   | JARL | Kujang  |
| 7200 | 5 | 2010 | 3 | 29 | 0902 | A3E | 321 | KRE | Vo Korea    | Chinese Talk and Music  | JARL | Kujang  |
| 7200 | 5 | 2010 | 3 | 29 | 1002 | A3E | 321 | KRE | Vo Korea    | Korean Talk and Music   | JARL | Kujang  |
| 7200 | 5 | 2010 | 3 | 29 | 1106 | A3E | 321 | KRE | Vo Korea    | Korean Talk and Music   | JARL | Kujang  |
|      |   |      |   |    |      |     |     |     |             | Chinese Talk and Music  |      |         |

|       |   |      |    |    |             |             |       |     |      |             |                                                                                                   |        |         |         |
|-------|---|------|----|----|-------------|-------------|-------|-----|------|-------------|---------------------------------------------------------------------------------------------------|--------|---------|---------|
| 7200  | 5 | 2010 | 3  | 29 | 1204        |             | A3E   | 321 | KRE  | Vo Korea    | Korean Talk and Music<br>Russian Talk and Music<br>16:00UTCTime signal 5+1<br>4sec late after QRT | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 29 | 1558        |             | A3E   | 352 | RUS  | NVK R Sakha | 4sec late after QRT                                                                               | JARL   | Yakutsk |         |
| 7200  | 5 | 2010 | 3  | 30 | 0002        |             | A3E   | 321 | KRE  | Vo Korea    | Korean Talk and Music                                                                             | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 30 | 0112        |             | A3E   | 321 | KRE  | Vo Korea    | English Talk and Music                                                                            | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 30 | 0202        |             | A3E   | 321 | KRE  | Vo Korea    | Chinese Talk and Music                                                                            | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 30 | 0334        |             | A3E   | 321 | KRE  | Vo Korea    | English Talk and Music                                                                            | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 30 | 0710        |             | A3E   | 321 | KRE  | Vo Korea    | Korean Talk and Music                                                                             | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 30 | 1004        |             | A3E   | 321 | KRE  | Vo Korea    | Korean Talk and Music                                                                             | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 30 | 1204        |             | A3E   | 321 | KRE  | Vo Korea    | Korean Talk and Music<br>Russian Talk and Music<br>16:00UTCTime signal 5+1<br>4sec late after QRT | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 30 | 1558        |             | A3E   | 352 | RUS  | NVK R Sakha | 4sec late after QRT                                                                               | JARL   | Yakutsk |         |
| 7200  | 3 | 2010 | 3  | 30 | 2204        | anytime     | A3E   | 352 | RUS  | NVK R Sakha | Russian Talk and Music                                                                            | PM97   | JARL    | Yakutsk |
| 7200  | 5 | 2010 | 3  | 31 | 0008        |             | A3E   | 321 | KRE  | Vo Korea    | Korean Talk and Music                                                                             | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 31 | 0120        |             | A3E   | 321 | KRE  | Vo Korea    | English Talk and Music                                                                            | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 31 | 0216        |             | A3E   | 321 | KRE  | Vo Korea    | Chinese Talk and Music                                                                            | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 31 | 0314        |             | A3E   | 321 | KRE  | Vo Korea    | English Talk and Music                                                                            | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 31 | 0710        |             | A3E   | 321 | KRE  | Vo Korea    | Korean Talk and Music                                                                             | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 31 | 0804        |             | A3E   | 321 | KRE  | Vo Korea    | Chinese Talk and Music                                                                            | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 31 | 0902        |             | A3E   | 321 | KRE  | Vo Korea    | Korean Talk and Music                                                                             | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 31 | 1004        |             | A3E   | 321 | KRE  | Vo Korea    | Korean Talk and Music                                                                             | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 31 | 1102        |             | A3E   | 321 | KRE  | Vo Korea    | Chinese Talk and Music                                                                            | JARL   | Kujang  |         |
| 7200  | 5 | 2010 | 3  | 31 | 1204        |             | A3E   | 321 | KRE  | Vo Korea    | Korean Talk and Music                                                                             | JARL   | Kujang  |         |
| 7200  | 3 | 2010 | 3  | 31 | 1530        |             | A3E   | non | non  | non         | unknown Talk and Music<br>unknown Talk and Music<br>16:00 UTC Time signal<br>5+1 on time          | JARL   | non     |         |
| 7200  | 3 | 2010 | 3  | 31 | 1558        |             | A3E   | non | non  | non         | 5+1 on time                                                                                       | JARL   | non     |         |
| 7200  | 3 | 2010 | 3  | 31 | 2228        |             | A3E   | 352 | RUS  | NVK R Sakha | Russian Talk and Music<br>SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM    | JARL   | Yakutsk |         |
| 10101 |   | 2010 | 03 | 10 | <2040-2050> | <2040-2050> | J3E/U |     | CLN  | UNID        | CYPHER GROUPS OF 5<br>CHARACTERS EACH<br>GROUP                                                    | MK82   | ARSI    |         |
| 10102 |   | 2010 | 03 | 26 | <0220-0230> | <0220-0230> | A1A   |     | UNID | UNID        | NON AMATEUR<br>CHINESE SPEAKING<br>;OM-OM.; FISHING<br>TRAWLERS                                   | MK82   | ARSI    |         |
| 10109 |   | 2010 | 03 | 22 | <1225-1235> | <1225-1235> | J3E/U |     | CHN  | UNID        | NON AMATEUR<br>CHINESE SPEAKING<br>;OM-OM.; FISHING<br>TRAWLERS                                   | MK82   | ARSI    |         |
| 10109 |   | 2010 | 03 | 26 | <0220-0230> | <0220-0230> | J3E/U |     | CHN  | UNID        | NON AMATEUR<br>CHINESE SPEAKING<br>;OM-OM.; FISHING<br>TRAWLERS                                   | MK82   | ARSI    |         |
| 10110 | 5 | 2010 | 03 | 28 | <0500>      | 0500-0630   | G7D   |     | ?    | Unid        | OFDM with PSK<br>Modulation S8 here -                                                             | RF73MF | NZART   | ZL1GWE  |

## WebSDR Europe S9+

|                |   |      |    |    |               |               |       |     |     |      |                                                                                 |        |       |        |
|----------------|---|------|----|----|---------------|---------------|-------|-----|-----|------|---------------------------------------------------------------------------------|--------|-------|--------|
| 10111          | 4 | 2010 | 03 | 21 | <0513>        | 0513          | PXX   | 300 | ?   | Unid | OTHR S7<br>SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | RF73MF | NZART | ZL1GWE |
| 10114.8        |   | 2010 | 03 | 22 | <1225-1235>   | <1225-1235>   | J3E/U |     | CLN | UNID | NON AMATEUR<br>CHINESE SPEAKING<br>;OM-OM.; FISHING<br>TRAWLERS                 | MK82   | ARSI  |        |
| 10115          |   | 2010 | 03 | 06 | <1300-1310>   | <1300-1310>   | J3E/U |     | CHN | UNID | NON AMATEUR<br>CHINESE SPEAKING<br>;OM-OM.; FISHING<br>TRAWLERS                 | MK82   | ARSI  |        |
| 10121          |   | 2010 | 03 | 26 | <0220-0230>   | <0220-0230>   | J3E/U |     | CHN | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM            | MK82   | ARSI  |        |
| 10122          |   | 2010 | 03 | 06 | <1320-1330>   | <1320-1330>   | J3E/U |     | CLN | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM            | MK82   | ARSI  |        |
| 10147          |   | 2010 | 03 | 22 | <0150-0200>   | <0150-0200>   | J3E/U |     | CLN | UNID | 2 males These stns shift<br>in and out of 20mtrs                                | MK82   | ARSI  |        |
| <b>13991.7</b> | 3 | 2010 | 3  | 25 | >22:40--23:00 | >22:40--23:00 | J3E/U | 315 | CLN | Unid | 2 males                                                                         | OF84wx | WIA   | VK6XW  |
| <b>13996.8</b> | 3 | 2010 | 3  | 21 | 22:40--23:05  | 22:40--23:05  | J3E/L | 315 | CLN | Unid | 2 males                                                                         | OF84wx | WIA   |        |
| <b>13997</b>   | 3 | 2010 | 3  | 12 | 23:10>        | 23:10>        | J3E/L | 315 | CLN | Unid | These stns shift in and out<br>of 20mtrs                                        | OF84wx | WIA   |        |
| <b>13997</b>   | 3 | 2010 | 3  | 23 | <22:45>       | <22:45>       | J3E/L | 315 | CLN | Unid | 2 males These stns shift<br>in and out of 20mtrs                                | OF84wx | WIA   |        |
| <b>13999</b>   | 3 | 2010 | 3  | 14 | <22:55>       | <22:55>       | J3E/L | 315 | CLN | Unid | 2 males These stns shift<br>in and out of 20mtrs                                | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 1  | 22:50--23:47  | 22:50--23:47  | J3E/U | 315 | CLN | Unid | 2 males These stns shift<br>in and out of 20mtrs                                | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 2  | <06:36--09:30 | <06:36--09:30 | J3E/U | 315 | CLN | Unid | Group of males                                                                  | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 3  | <23:30--00:00 | <23:30--00:00 | J3E/U | 315 | CLN | Unid | 2 males                                                                         | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 4  | <07:40--08:15 | <07:40--08:15 | J3E/U | 315 | CLN | Unid | group of males                                                                  | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 4  | 22:40--23:59  | 22:40--23:59  | J3E/U | 315 | CLN | Unid | Group of males                                                                  | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 5  | <08:30--08:38 | <08:30--08:38 | J3E/U | 315 | CLN | Unid | Group of males work from<br>boats                                               | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 5  | <22:45--00:16 | <22:45--00:16 | J3E/U | 315 | CLN | Unid | 2 males                                                                         | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 8  | 23:00--23:40  | 23:00--23:40  | J3E/U | 315 | CLN | Unid | Group of males                                                                  | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 9  | 23:00--23:25  | 23:00--23:25  | J3E/U | 315 | CLN | Unid | Group of males                                                                  | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 10 | <04:30--04:54 | <04:30--04:54 | J3E/U | 315 | CLN | Unid | 2 males                                                                         | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 10 | 22:30--00:00  | 22:30--00:00  | J3E/U | 315 | CLN | Unid | Group of males                                                                  | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 11 | 22:50--00:08  | 22:50--00:08  | J3E/U | 315 | CLN | Unid | Group of males                                                                  | OF84wx | WIA   |        |
| 14000          | 3 | 2010 | 3  | 18 | <08:42--09:02 | <08:42--09:02 | J3E/U | 315 | CLN | Unid | 2 males                                                                         | OF84wx | WIA   |        |
| 14000          | 3 | 201  | 3  | 19 | <08:50--08:55 | <08:50--08:55 | J3E/U | 315 | CLN | Unid | 2 males                                                                         | OF84wx | WIA   |        |

|         |     |      |    |    |               |               |       |        |     |     |      |                                                                      |        |       |        |
|---------|-----|------|----|----|---------------|---------------|-------|--------|-----|-----|------|----------------------------------------------------------------------|--------|-------|--------|
| 14000   | 3   | 2010 | 3  | 25 | <08:35--08:45 | <08:35--08:45 | J3E/L |        | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14000   | 3   | 291  | 3  | 27 | <22:50--23:50 | <22:50--23:50 | J3E/U |        | 315 | CLN | Unid | Group pf males                                                       | OF84WX | WIA   |        |
| 14000   | 3   | 2010 | 3  | 30 | 08:40--08:59  | 08:40--08:59  | J3E/U |        | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14000   | 3   | 2010 | 3  | 30 | <22:42--00:08 | <22:42--00:08 | J3E/U |        | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14000   |     | 2010 | 03 | 06 | <1255-1300>   | <1255-1300>   | J3E/U |        |     | CLN | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82   | ARSI  |        |
| 14001   |     | 2010 | 03 | 18 | <0215-0220>   | <0215-0220>   | J3E/U |        |     | CLN | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82   | ARSI  |        |
| 14001.4 |     | 2010 | 03 | 02 | <0930-0940>   | <0930-0940>   | J3E/U |        |     | CLN | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82   | ARSI  |        |
| 14001.4 |     | 2010 | 03 | 20 | <1245-1250>   | <1245-1250>   | J3E/U |        |     | CLN | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82   | ARSI  |        |
| 14003   | 6   | 2010 | 03 | 27 | <0538>        | 0538          | PXX   |        | 300 | ?   | Unid | OTHR S6                                                              | RF73MF | NZART | ZL1GWE |
| 14003.3 | 3   | 2010 | 3  | 2  | 22:35--23:00  | 22:35--23:00  | J3E/U |        | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14003.3 | 3   | 2010 | 3  | 12 | 22:45--23:00  | 22:45--23:00  | J3E/U |        | 315 | CLN | Unid | 2 males, switched to<br>13997 J3E/L                                  | OF84wx | WIA   |        |
| 14003.3 | 3   | 2010 | 3  | 20 | 22:45--23:30  | 22:45--23:30  | J3E/U |        | 315 | CLN | Unid | Group of males                                                       | OF84wx | WIA   |        |
| 14003.4 | 3   | 2010 | 3  | 15 | <08:55>       | <08:55>       | J3E/U |        | 315 | CLN | Unid | Group of males                                                       | OF84wx | WIA   |        |
| 14003.5 | 3   | 2010 | 3  | 19 | <23:30-23:50  | <23:30-23:50  | J3E/L |        | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14005   |     | 2010 | 03 | 25 | <0510-0520>   | <0510-0520>   | J3E/U |        |     | CLN | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82   | ARSI  |        |
| 14005   | 3.3 | 2010 | 03 | 03 | <0715>        | 0715-0800     | M7B   |        |     | ?   | Unid | PHASE MOD. 16<br>CHANNELS                                            | RF72LQ | NZART | ZL1BAD |
| 14008   |     | 2010 | 03 | 03 | <0755>        | 0755          | F1B   | 50 250 |     | RUS | Unid | RUSSIAN NAVAL SHORE<br>STN                                           | RF72LQ | NZART | ZL1BAD |
| 14008   |     | 2010 | 03 | 07 | <0835>        | 0835          | F1B   | 50 250 |     | RUS | Unid | RUSSIAN NAVAL SHORE<br>STN                                           | RF72LQ | NZART | ZL1BAD |
| 14008.5 |     | 2010 | 03 | 04 | <0245-0250>   | <0245-0250>   | J3E/U |        |     | CHN | UNID | NON AMATEUR<br>CHINESE SPEAKING<br>;OM-OM.; FISHING<br>TRAWLERS      | MK82   | ARSI  |        |
| 14009   | 3   | 2010 | 3  | 22 | 22:50-23:30   | 22:50-23:30   | J3E/U |        | 315 | CLN | Unid | Group of males                                                       | OF84wx | WIA   |        |
| 14012   |     | 2010 | 03 | 21 | <0250-0300>   | <0250-0300>   | J3E/U |        |     | CLN | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82   | ARSI  |        |
| 14014   |     | 2010 | 03 | 02 | <0920-0930>   | <0920-0930>   | J3E/U |        |     | CLN | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82   | ARSI  |        |

|         |   |      |    |    |                     |                 |       |     |     |      |      |                                                                      |                |        |        |
|---------|---|------|----|----|---------------------|-----------------|-------|-----|-----|------|------|----------------------------------------------------------------------|----------------|--------|--------|
| 14014   |   | 2010 | 03 | 20 | <0030-0050>         | <0030-0050>     | J3E/U |     |     | CLN  | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82           | ARSI   |        |
| 14014   |   | 2010 | 03 | 26 | <0250-0255>         | <0250-0255>     | J3E/U |     |     | CLN  | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82           | ARSI   |        |
| 14015   |   | 2010 | 03 | 06 | <2100-2120>         | <2100-2120>     | J3E/U |     |     | UNID | UNID | NON AMATEUR<br>SPANISH SPEAKING OM-<br>OM                            | MK82           | ARSI   |        |
| 14016   |   | 2010 | 03 | 04 | <0925>              | 0925            | F1B   | 82  | 500 | ?    | Unid | Encrypted                                                            | RF72LQ         | NZART  | ZL1BAD |
| 14016   |   | 2010 | 03 | 18 | <0740>              | 0740            | F1B   | 82  | 500 | ?    | Unid | Encrypted                                                            | RF72LQ         | NZART  | ZL1BAD |
| 14016.2 | 3 | 2010 | 3  | 4  | <<00:00--<br>00:10> | <<00:00--00:10> | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14022   | 3 | 2010 | 3  | 24 | 22:40--00:00        | 22:40--00:00    | J3E/U |     |     | 315  | CLN  | Unid                                                                 | Group of males | OF84wx | WIA    |
| 14024.8 | 3 | 2010 | 3  | 17 | <23:40--23:57       | <23:40--23:57   | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14025   | 3 | 2010 | 3  | 7  | <23:30--00:03       | <23:30--00:03   | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 3 males        | OF84wx | WIA    |
| 14025   | 3 | 2010 | 3  | 8  | <23:20--00:03       | <23:20--00:03   | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14025   | 3 | 2010 | 3  | 9  | 23:40--00:10>       | 23:40--00:10>   | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14025   | 3 | 2010 | 3  | 12 | <23:45--00:10>      | <23:45--00:10>  | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14025   | 3 | 2010 | 3  | 19 | <23:35--23:50       | <23:35--23:50   | J3E/L |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14025   | 3 | 2010 | 3  | 20 | <23:50--00:04       | <23:50--00:04   | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14025.5 | 7 | 2010 | 03 | 29 | <1245-1250>         | <1245-1250>     | P0N   |     |     | UNID | UNID | OTHR FROM 14022 TO<br>14029 Khz.                                     |                |        |        |
| 14027.9 |   | 2010 | 03 | 29 | <0900>              | 0900            | F1B   | 250 | 300 | ?    | Unid | RTTY S7                                                              | RE66IM         | NZART  | ZL2IFB |
| 14028   |   | 2010 | 03 | 01 | <0700>              | 0700-0915       | F1B   | 250 |     | ?    | Unid | Encrypted. DAILY UNTIL<br>18TH                                       | RF72LQ         | NZART  | ZL1BAD |
| 14029   | 3 | 2010 | 3  | 15 | 23:03--23:17        | 23:03--23:17    | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14029   |   | 2010 | 03 | 17 | <0030-0050>         | <0030-0050>     | J3E/U |     |     | UNID | UNID | NON AMATEUR SE<br>ASIAN OM-OM<br>CONVERSATION                        | MK82           | ARSI   |        |
| 14030   | 3 | 2010 | 3  | 10 | <05:14--05:30>      | <05:14--05:30>  | J3E/U |     |     | 360  | INS  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14034   |   | 2010 | 03 | 22 | <1225-1235>         | <1225-1235>     | J3E/U |     |     | CLN  | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM | MK82           | ARSI   |        |
| 14038   |   | 2010 | 03 | 01 | <0915>              | 0915            | F7D   |     |     | ?    | Unid | 8 CHANNELS. IDLING                                                   | RF72LQ         | NZART  | ZL1BAD |
| 14038   |   | 2010 | 03 | 02 | <0915>              | 0915            | F7D   |     |     | ?    | Unid | 8 CHANNELS. IDLING                                                   | RF72LQ         | NZART  | ZL1BAD |
| 14039.8 | 3 | 2010 | 3  | 14 | <23:20>             | <23:20>         | J3E/L |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14046   | 3 | 2010 | 3  | 18 | <22:45--00:06>      | <22:45--00:06>  | J3E/U |     |     | 315  | CLN  | Unid                                                                 | Group of males | OF84wx | WIA    |
| 14046.6 | 3 | 2010 | 3  | 1  | 22:42--23:18        | 22:42--23:18    | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14046.6 | 3 | 2010 | 3  | 2  | 06:36--09:44        | 06:36--09:44    | J3E/U |     |     | 315  | CLN  | Unid                                                                 | Group of males | OF84wx | WIA    |
| 14046.6 | 3 | 2010 | 3  | 2  | <23:25--00:05       | <23:25--00:05   | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |
| 14046.6 | 3 | 2010 | 3  | 3  | 08:17--08:55        | 08:17--08:55    | J3E/U |     |     | 315  | CLN  | Unid                                                                 | Group of males | OF84wx | WIA    |
| 14046.6 | 3 | 2010 | 3  | 3  | 22:45--23:15        | 22:45--23:15    | J3E/U |     |     | 315  | CLN  | Unid                                                                 | Group of males | OF84wx | WIA    |
| 14046.6 | 3 | 2010 | 3  | 4  | <08:40--0854        | <08:40--0854    | J3E/U |     |     | 315  | CLN  | Unid                                                                 | 2 males        | OF84wx | WIA    |

|         |   |      |    |    |                |                |       |     |     |      |                                                                      |        |       |        |
|---------|---|------|----|----|----------------|----------------|-------|-----|-----|------|----------------------------------------------------------------------|--------|-------|--------|
| 14046.6 | 3 | 2010 | 3  | 5  | <22:45--23:32  | <22:45--23:32  | J3E/U | 315 | CLN | Unid | 3 males                                                              | OF84wx | WIA   |        |
| 14046.6 | 3 | 2010 | 3  | 13 | <23:00--00:03  | <23:00--00:03  | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14046.6 | 3 | 2010 | 3  | 14 | <22:25--23:20  | <22:25--23:20  | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14046.6 | 3 | 2010 | 3  | 18 | <08:45--09:00  | <08:45--09:00  | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14046.6 | 3 | 2010 | 3  | 19 | <08:00--08:54  | <08:00--08:54  | J3E/U | 315 | CLN | Unid | Group of males                                                       | OF84wx | WIA   |        |
| 14046.6 | 3 | 2010 | 3  | 20 | 08:16-08:30    | 08:16-08:30    | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14046.6 | 3 | 2010 | 3  | 20 | 22:45--23:35   | 22:45--23:35   | J3E/U | 315 | CLN | Unid | group of males                                                       | OF84wx | WIA   |        |
| 14046.6 | 3 | 2010 | 3  | 22 | <23:35--23:45  | <23:35--23:45  | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14046.6 | 3 | 201  | 3  | 23 | 22:55--23:34   | 22:55--23:34   | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14046.7 | 3 | 2010 | 3  | 4  | 23:00--23:35   | 23:00--23:35   | J3E/U | 315 | CLN | Unid | Group of males                                                       | OF84wx | WIA   |        |
| 14046.7 | 3 | 2010 | 3  | 5  | 07:50--09:18   | 07:50--09:18   | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14046.7 | 3 | 2010 | 3  | 12 | 08:40--09:30   | 08:40--09:30   | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14046.8 | 3 | 2010 | 3  | 1  | 07:12--08:15   | 07:12--08:15   | J3E/U | 315 | CLN | Unid | Group of males                                                       | OF84WX | WIA   |        |
| 14047.4 | 3 | 2010 | 3  | 17 | 23:15--23:55   | 23:15--23:55   | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIAS  |        |
| 14048   | 3 | 2010 | 3  | 1  | 07:08--07:22   | 07:08--07:22   | J3E/U | 360 | INS | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14048   | 3 | 2010 | 3  | 16 | <07:49--08:05  | <07:49--08:05  | J3E/U | 360 |     | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14048   | 3 | 2010 | 3  | 23 | 07:15--07:45   | 07:15--07:45   | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14049.7 | 3 | 201  | 3  | 20 | <07:35--07:59  | <07:35--07:59  | J3EL  | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14050   |   | 2010 | 03 | 29 | <1120-1130>    | <1120-1130>    | J3E/L |     | CLN | UNID | SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2<br>OM |        |       |        |
| 14053.8 | 3 | 2010 | 3  | 6  | <07:35--08:22  | <07:35--08:22  | J3E/L | 360 | INS | Unid | Male-female, chat<br>OTHR S7 discernable                             | OF84wx | WIA   | ARSI   |
| 14055   | 6 | 2010 | 03 | 21 | <0518>         | 0518           | PXX   | 300 | ?   | Unid | despite CW contest                                                   | RF73MF | NZART | ZL1GWE |
| 14055.5 | 5 | 2010 | 03 | 27 | <0538>         | 0538           | PXX   | 300 | ?   | Unid | OTHR S7                                                              | RF73MF | NZART | ZL1GWE |
| 14059.7 | 3 | 2010 | 3  | 24 | <08:45>        | <08:45>        | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14060   | 3 | 2010 | 3  | 15 | 08:20--08:50   | 08:20--08:50   | J3E/U | 360 | INS | Unid | Male-female                                                          | OF84wx | WIA   |        |
| 14060   | 3 | 2010 | 3  | 18 | <08:48--08:53  | <08:48--08:53  | J3E/U | 360 | INS | Unid | Male-female                                                          | OF84wx | WIA   |        |
| 14060   | 3 | 2010 | 3  | 19 | 08:45--08:54   | 08:45--08:54   | J3E/U | 360 | INS | Unid | Male-female                                                          | OF84wx | WIA   |        |
| 14062.6 | 3 | 2010 | 3  | 20 | <07:12--07:30  | <07:12--07:30  | J3E/L | 315 | CLN | Unid | group of males                                                       | OF84wx | WIA   |        |
| 14062.6 | 3 | 2010 | 3  | 27 | 22:58--23:15   | 22:58--23:15   | J3E/L | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14063   | 3 | 2010 | 3  | 22 | 22:55--23:33   | 22:55--23:33   | J3E/L | 315 | CLN | Unid | Group of males                                                       | OF84wx | WIA   |        |
| 14087   | 3 | 2010 | 3  | 16 | <23:35--00:03  | <23:35--00:03  | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14087   | 3 | 2010 | 3  | 18 | <23:25--23:45  | <23:25--23:45  | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14087   | 3 | 2010 | 3  | 21 | <23:50-00:12>  | <23:50-00:12>  | J3E/U | 360 |     | Unid | 2 males, Chinese                                                     | OF84wx | WIA   |        |
| 14090   | 3 | 2010 | 3  | 28 | <08:12:--09:03 | <08:12:--09:03 | J3E/U | 360 |     | Unid | Male-female, Chinese                                                 | OF84wx | WIA   |        |
| 14092   | 3 | 2010 | 3  | 29 | <22:50--23:04  | <22:50--23:04  | J3E/U | 315 | CLN | Unid | Group of males                                                       | OF84wx | WIA   |        |
| 14094.8 | 3 | 2010 | 3  | 31 | <08:45--09:10  | <08:45--09:10  | J3E/U | 360 | INS | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14098.6 | 3 | 2010 | 3  | 17 | 08:06--08:55   | 08:06--08:55   | J3E/U | 360 |     | Unid | 2 males, Chinese                                                     | OF84wx | WIA   |        |
| 14100   | 3 | 2010 | 3  | 30 | 08:00--08:18   | 08:00--08:18   | J3E/U | 360 |     | Unid | Male-female, Chinese                                                 | OF84wx | WIA   |        |
| 14100   | 3 | 2010 | 3  | 31 | <23:30--23:43  | <23:30--23:43  | J3E/U | 315 | CLN | Unid | 2 males                                                              | OF84wx | WIA   |        |
| 14101.1 | 3 | 2010 | 3  | 19 | <07:38--08:00  | <07:38--08:00  | J3E/U | 360 |     | Unid | Male-female, Chinese                                                 | OF84wx | WIA   |        |

|         |     |      |    |    |               |               |       |     |     |     |      |                                                             |        |       |        |
|---------|-----|------|----|----|---------------|---------------|-------|-----|-----|-----|------|-------------------------------------------------------------|--------|-------|--------|
| 14101.7 | 3   | 2010 | 3  | 28 | <08:10--08:15 | <08:10--08:15 | J3E/L |     | 360 | INS | Unid | Male-female                                                 | OF84wx | WIA   |        |
| 14105   | 3   | 2010 | 3  | 23 | 08:10--08:32  | 08:10--08:32  | J3E/U |     | 360 |     | Unid | Male-female, Chinese                                        | OF84wx | WIA   |        |
| 14107   | 6   | 2010 | 03 | 27 | <0538>        | 0538          | PXX   |     | 300 | ?   | Unid | OTHR S6                                                     | RF73MF | NZART | ZL1GWE |
| 14109.5 | 5.5 | 2010 | 03 | 21 | <0521>        | 0521          | PXX   |     | 300 | ?   | Unid | OTHR S8 QSB Static crashes                                  | RF73MF | NZART | ZL1GWE |
| 14110.8 | 3   | 2010 | 3  | 24 | 22:50--23:16  | 22:50--23:16  | J3E/L |     | 315 | CLN | Unid | 2 males                                                     | OF84wx | WIA   |        |
| 14112   | 3   | 2010 | 3  | 10 | <04:15--04:30 | <04:15--04:30 | J3E/U |     | 360 | INS | Unid | Male-female                                                 | OF84wx | WIA   |        |
| 14114   | 3.3 | 2010 | 03 | 18 | <0740>        | 0740-0830     | M7B   |     |     | ?   | Unid | PHASE MOD. 16 CHANNELS                                      | RF72LQ | NZART | ZL1BAD |
| 14117.7 | 3   | 2010 | 3  | 8  | 03:25--05:10  | 03:25--05:10  | J3E/L |     | 360 | INS | Unid | 2 males                                                     | OF84wx | WIA   |        |
| 14120   |     | 2010 | 03 | 29 | <0845>        | 0845          | F1B   | 250 |     | ?   | Unid | IDLING                                                      | RF72LQ | NZART | ZL1BAD |
| 14123   | 3   | 2010 | 3  | 16 | <07:18--07:35 | <07:18--07:35 | J3E/L |     | 360 | INS | Unid | Male-female                                                 | OF84wx | WIA   |        |
| 14132   | 3   | 2010 | 3  | 26 | 08:10--08:35  | 08:10--08:35  | J3E/U |     | 315 | CLN | Unid | Group of males                                              | OF84wx | WIA   |        |
| 14135   |     | 2010 | 03 | 04 | <0700>        | 0700-0915     | F1B   | 70  | 250 |     | Unid | Encrypted                                                   | RF72LQ | NZART | ZL1BAD |
| 14135   |     | 2010 | 03 | 25 | <1745>        | 1745-1830     | F1B   | 70  | 250 |     | Unid | Encrypted                                                   | RF72LQ | NZART | ZL1BAD |
| 14135.1 | 1   | 2010 | 3  | 25 | <0425-0537>   | <0425-0537>   | F1B   | 75  | 236 |     | Unid | No decodes                                                  | QF22ml | WIA   | VK3MV  |
|         |     |      |    |    |               |               |       |     |     |     |      | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM |        |       |        |
| 14147   |     | 2010 | 03 | 27 | <02350250>    | <02350250>    | J3E/U |     |     | CLN | UNID |                                                             | MK82   | ARSI  |        |
|         |     |      |    |    |               |               |       |     |     |     |      | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM |        |       |        |
| 14151.5 |     | 2010 | 03 | 28 | <0210-0220>   | <0210-0220>   | J3E/U |     |     | CLN | UNID |                                                             | MK82   | ARSI  |        |
| 14159.5 | 7   | 2010 | 03 | 21 | <0523>        | 0523          | PXX   |     | 300 | ?   | Unid | OTHR S7                                                     | RF73MF | NZART | ZL1GWE |
| 14161   | 6   | 2010 | 03 | 27 | <0538>        | 0538          | PXX   |     | 300 | ?   | Unid | OTHR S7                                                     | RF73MF | NZART | ZL1GWE |
| 14165   | 30  | 2010 | 03 | 11 | <0325>        | 0325-0430     | PXX   |     |     | ?   | Unid | 4 SEC. BURST EVERY 25 SECS.                                 | RF72LQ | NZART | ZL1BAD |
| 14200   | 3.3 | 2010 | 03 | 03 | <1930>        | 1930          | M7B   |     |     | ?   | Unid | PHASE MOD. 16 CHANNELS                                      | RF72LQ | NZART | ZL1BAD |
| 14200   | 3.3 | 2010 | 03 | 04 | <1840>        | 1840-1915     | M7B   |     |     | ?   | Unid | PHASE MOD. 16 CHANNELS                                      | RF72LQ | NZART | ZL1BAD |
| 14212   | 8   | 2010 | 03 | 21 | <0525>        | 0525          | PXX   |     | 300 | ?   | Unid | OTHR S7                                                     | RF73MF | NZART | ZL1GWE |
| 14216   |     | 2010 | 03 | 03 | <1935>        | 1935          | F1B   | 250 |     | ?   | Unid | Encrypted                                                   | RF72LQ | NZART | ZL1BAD |
| 14222   | 3   | 2010 | 3  | 18 | <08:40-->     | <08:40-->     | J3E/L |     | 360 |     | Unid | 2 males Chinese                                             | OF84wx | WIA   |        |
|         |     |      |    |    |               |               |       |     |     |     |      | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM |        |       |        |
| 14222   |     | 2010 | 03 | 27 | <1130-1140>   | <1130-1140>   | J3E/U |     |     | CLN | UNID |                                                             | MK82   | ARSI  |        |
|         |     |      |    |    |               |               |       |     |     |     |      | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM |        |       |        |
| 14223   |     | 2010 | 03 | 28 | <0230-0240>   | <0230-0240>   | J3E/U |     |     | CLN | UNID |                                                             | MK82   | ARSI  |        |
|         |     |      |    |    |               |               |       |     |     |     |      | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM |        |       |        |
| 14226   |     | 2010 | 03 | 28 | <0215-0230>   | <0215-0230>   | J3E/L |     |     | CLN | UNID |                                                             | MK82   | ARSI  |        |
| 14232.5 | 5   | 2010 | 03 | 27 | <0544>        | 0544          | PXX   |     | 300 | ?   | Unid | OTHR S8                                                     | RF73MF | NZART | ZL1GWE |

|         |   |      |    |    |              |              |       |     |     |             |                                                                                  |        |       |        |
|---------|---|------|----|----|--------------|--------------|-------|-----|-----|-------------|----------------------------------------------------------------------------------|--------|-------|--------|
| 14235.5 |   | 2010 | 03 | 29 | <1120-1130>  | <1120-1130>  | J3E/L |     | CHN | UNID        | NON AMATEUR<br>CHINESE SPEAKING<br>STATIONS                                      |        |       |        |
| 14240   |   | 2010 | 03 | 10 | <0815>       | 0815-0900    | F1B   | 250 | ?   | Unid        | Encrypted                                                                        | RF72LQ | NZART | ZL1BAD |
| 14250   |   | 2010 | 03 | DY | <0800>       | 0800         | A3E   |     | KRE | R.PYONGYANG | SIMO. 2850 KHZ<br>SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2 | RF72LQ | NZART | ZL1BAD |
| 14252.5 |   | 2010 | 03 | 27 | <1330-1345>  | <1330-1345>  | J3E/U |     | CLN | UNID        | OM<br>SRI LANKAN FISHING<br>TRAWLERS IN SINHALA<br>LANGUAGE ONLY – 2             | MK82   | ARSI  |        |
| 14255.5 |   | 2010 | 03 | 27 | <022500235>  | <022500235>  | J3E/U |     | CLN | UNID        | OM                                                                               | MK82   | ARSI  |        |
| 14265   | 8 | 2010 | 03 | 21 | <0527        | 0527         | PXX   | 300 | ?   | Unid        | OTHR S7                                                                          | RF73MF | NZART | ZL1GWE |
| 14277.7 | 3 | 2010 | 3  | 1  | 00:32--00:51 | 00:32--00:51 | J3E/U | 360 | INS | Unid        | 3 males pass coded<br>messages                                                   | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 1  | 00:14--00:19 | 00:14--00:19 | J3E/U | 360 | INS | Unid        | 1 male calling, no reply                                                         | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 2  | 00:24--00:43 | 00:24--00:43 | J3E/U | 360 | INS | Unid        | Group of males pass<br>coded messages                                            | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 2  | 01:13--01:27 | 01:13--01:27 | J3E/U | 360 | INS | Unid        | Group of males pass<br>coded messages                                            | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 3  | 00:50--01:47 | 00:50--01:47 | J3E/U | 360 | INS | Unid        | 3 males on--off total 57min                                                      | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 4  | 00:28--01:47 | 00:28--01:47 | J3E/U | 360 | INS | Unid        | 3 males pass coded<br>messages                                                   | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 5  | 00:30--00:31 | 00:30--00:31 | J3E/U | 360 | INS | Unid        | Male-female, no messages                                                         | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 5  | 01:13--01:24 | 01:13--01:24 | J3E/U | 360 | INS | Unid        | Group of males pass<br>coded messages                                            | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 6  | 00:33--00:39 | 00:33--00:39 | J3E/U | 360 | INS | Unid        | 3 males pass coded<br>messages                                                   | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 6  | 01:16--01:34 | 01:16--01:34 | J3E/U | 360 | INS | Unid        | 3 males pass coded<br>messages                                                   | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 6  | 01:54--02:08 | 01:54--02:08 | J3E/U | 360 | INS | Unid        | 2 males                                                                          | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 7  | 01:00--01:12 | 01:00--01:12 | J3E/U | 360 | INS | Unid        | 2 males pass coded<br>messages                                                   | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 8  | 00:43--01:27 | 00:43--01:27 | J3E/U | 360 | INS | Unid        | 3 males 1 female pass<br>coded messages                                          | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 9  | 00:20--00:24 | 00:20--00:24 | J3E/U | 360 | INS | Unid        | 3 males pass coded<br>messages                                                   | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 9  | 00:42--00:45 | 00:42--00:45 | J3E/U | 360 | INS | Unid        | 2 males pass coded<br>messages                                                   | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 9  | 01:27--01:34 | 01:27--01:34 | J3E/U | 360 | INS | Unid        | 1male-1 female pass<br>coded messages                                            | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 10 | 00:46--00:48 | 00:46--00:48 | J3E/U | 360 | INS | Unid        | Group of males                                                                   | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 10 | 00:56--00:57 | 00:56--00:57 | J3E/U | 360 | INS | Unid        | 3 males pass coded<br>messages                                                   | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 10 | 01:15--01:17 | 01:15--01:17 | J3E/U | 360 | INS | Unid        | 1 male calling , no<br>response                                                  | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 10 | 01:45--01:53 | 01:45--01:53 | J3E/U | 360 | INS | Unid        | male-female pass coded<br>messages                                               | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 10 | 02:33--02:44 | 02:33--02:44 | J3E/U | 360 | INS | Unid        | 3 males pass coded                                                               | OF84wx | WIA   |        |

|         |   |      |   |    |               |               |        |     |     |      |                                                     |         |     |
|---------|---|------|---|----|---------------|---------------|--------|-----|-----|------|-----------------------------------------------------|---------|-----|
| 14277.7 | 3 | 2010 | 3 | 10 | 02:51--02:54  | 02:51--02:54  | J3E/U  | 360 | INS | Unid | messages                                            | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 11 | 00:15--00:22  | 00:15--00:22  | J3E/U  | 360 | INS | Unid | 2 males<br>2 males, 1 female pass<br>coded messages | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 11 | 00:30--00:34  | 00:30--00:34  | J3E/U  | 360 | INS | Unid | 2 males pass coded<br>messages                      | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 11 | 00:55--01:02  | 00:55--01:02  | J3E/U  | 360 | INS | Unid | 2 males pass coded<br>messages                      | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 11 | 01:08--01:13  | 01:08--01:13  | J3E/U  | 360 | INS | Unid | male-female pass coded<br>messages                  | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 12 | 01:03--01:13  | 01:03--01:13  | J3E/U  | 360 | INS | Unid | 2 males 1 female pass<br>coded messages             | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 12 | 01:37--01:57  | 01:37--01:57  | J3E/U  | 360 | INS | Unid | 2 males 1 female pass<br>coded messages             | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 12 | 02:02--02:28  | 02:02--02:28  | J3E/U  | 360 | INS | Unid | 4 males 1 female pass<br>coded messages             | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 13 | 01:02--01:04  | 01:02--01:04  | J3E/U  | 360 | INS | Unid | Male-female, no messages<br>toda                    | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 14 | 01:21--01:22  | 01:21--01:22  | J3E/U  | 360 | INS | Unid | 2 males. no messages<br>toda                        | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 15 | 00:03--00:11  | 00:03--00:11  | J3E/U  | 360 | INS | Unid | Male-female pass coded<br>messages                  | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 16 | 00:30--00:42  | 00:30--00:42  | J3E/U  | 360 | INS | Unid | 2 males 1 female pass<br>coded messages             | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 16 | 01:06--01:45  | 01:06--01:45  | J3E/U  | 360 | INS | Unid | 3 males pass coded<br>messages                      | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 17 | 00:25--00:31  | 00:25--00:31  | J3E/U  | 360 | INS | Unid | 2 males pass coded<br>messages                      | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 17 | 01:25--01:34  | 01:25--01:34  | J3E/U  | 360 | INS | Unid | 2 males 1 female pass<br>coded messages             | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 17 | 02:00--02:27  | 02:00--02:27  | J3ER/U | 360 | INS | Unid | Grup of males 1 female<br>pass coded messages       | OF84wxc | WIA |
| 14277.7 | 3 | 2010 | 3 | 18 | 00:14--00:27  | 00:14--00:27  | J3E/U  | 360 | INS | Unid | 3 males 1 female pass<br>coded messages             | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 19 | 00:57--01:16  | 00:57--01:16  | J3E/U  | 360 | INS | Unid | Male-female pass coded<br>messages                  | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 19 | 01:31--01:47  | 01:31--01:47  | J3E/U  | 360 | INS | Unid | Group of males pass<br>coded messages               | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 19 | 02:11--02:17  | 02:11--02:17  | J3E/U  | 360 | INS | Unid | 3 males pass coded<br>messages                      | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 20 | 00:40--00:44  | 00:40--00:44  | J3E/U  | 360 | INS | Unid | 3 males pass coded<br>messages                      | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 20 | 01:11--02:12  | 01:11--02:12  | J3E/U  | 360 | INS | Unid | 3 males pass coded<br>messages                      | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 21 | <01:35--01:36 | <01:35--01:36 | J3E/U  | 360 | INS | Unid | 2 males, no messages<br>toda                        | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 22 | 00:32--00:40  | 00:32--00:40  | J3E/U  | 360 | INS | Unid | 3 males pass coded<br>messages                      | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 22 | 00:45--00:46  | 00:45--00:46  | J3E/U  | 360 | INS | Unid | Male-female, no messages                            | OF84wx  | WIA |
| 14277.7 | 3 | 2010 | 3 | 22 | 00:50--01:06  | 00:50--01:06  | J3E/U  | 360 | INS | Unid | 2 males pass coded<br>messages                      | OF84wx  | WIA |

|         |   |      |    |    |                |                |       |     |     |          |                                                             |        |       |        |
|---------|---|------|----|----|----------------|----------------|-------|-----|-----|----------|-------------------------------------------------------------|--------|-------|--------|
| 14277.7 | 3 | 2010 | 3  | 22 | 01:25--02:03   | 01:25--02:03   | J3E/U | 360 | INS | Unid     | 2 groups of males and females, great palaver!!              | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 23 | 00:40--00:42   | 00:40--00:42   | J3E/U | 360 | INS | Unid     | 2 males pass coded messages                                 | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 23 | 01:45--01:49   | 01:45--01:49   | J3E/U | 360 | INS | Unid     | 2 males pass coded messages                                 | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 23 | 02:28--02:33   | 02:28--02:33   | J3E/U | 360 | INS | Unid     | Male-female pass coded messages                             | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 24 | 00:29--00:37   | 00:29--00:37   | J3E/U | 360 | INS | Unid     | 2 males pass coded messages                                 | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 24 | 01:07--01:20   | 01:07--01:20   | J3E/U | 360 | INS | Unid     | 2 males 1 female pass coded messages                        | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 25 | 01:13--01:20   | 01:13--01:20   | J3E/U | 360 | INS | Unid     | 2 males pass coded messages                                 | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 25 | 01:45--01:51   | 01:45--01:51   | J3E/U | 360 | INS | Unid     | 3 males pass coded messages                                 | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 26 | 00:13--00:14   | 00:13--00:14   | J3E/U | 360 | INS | Unid     | 1 min                                                       | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 29 | 00:29--00:34   | 00:29--00:34   | J3E/U | 360 | INS | Unid     | Male-female pass coded messages                             | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 29 | 00:46--00:51   | 00:46--00:51   | J3E/U | 360 | INS | Unid     | 2 males                                                     | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 29 | 00:52--00:54   | 00:52--00:54   | J3E/U | 360 | INS | Unid     | Male-female                                                 | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 30 | 00:17--00:23   | 00:17--00:23   | J3E/U | 360 | INS | Unid     | Male-female pass coded messages                             | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 30 | 00:33--00:42   | 00:33--00:42   | J3E/U | 360 | INS | Unid     | 3 males pass coded messages                                 | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 30 | 00:54--01:07   | 00:54--01:07   | J3E/U | 360 | INS | Unid     | Male-female pass coded messages                             | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 31 | 00:26--00:30   | 00:26--00:30   | J3E/U | 360 | INS | Unid     | Female-male, pass coded messages                            | OF84wx | WIA   |        |
| 14277.7 | 3 | 2010 | 3  | 31 | 00:43--00:47   | 00:43--00:47   | J3E/U | 360 | ins | Unid     | 2 males. pass coded messages                                | OF84wx | WIA   |        |
| 14278.5 | 3 | 2010 | 3  | 8  | 00:30- 00:50   | 00:30- 00:50   | J3E/L | 315 | CLN | Unid     | 2 males                                                     | OF84wx | WIA   |        |
| 14278.5 | 3 | 2010 | 3  | 10 | 02:20--02:26   | 02:20--02:26   | J3E/L | 315 | CLN | Unid     | 2 males                                                     | OF84wx | WIA   |        |
| 14280   |   | 2010 | 03 | DY | <0650>         | 0650-0845      | A3E   |     | KRE | R. KOREA | 2f 7140 KHZ. STARTS AT 0650                                 | RF72LQ | NZART | ZL1BAD |
| 14300   | 3 | 2010 | 3  | 17 | <08:00--08:28  | <08:00--08:28  | J3E/U | 360 |     | Unid     | 2 males, Chinese                                            | OF84wx | WIA   |        |
| 14300   | 3 | 2010 | 3  | 19 | <08:04--08:37  | <08:04--08:37  | J3E/U | 360 |     | Unid     | 2 males, Chinese                                            | OF84wx | WIA   |        |
| 14301   | 3 | 2010 | 3  | 19 | 08:29--08:42   | 08:29--08:42   | J3E/U | 360 |     | Unid     | Group of males                                              | OF84wx | WIA   |        |
| 14303   |   | 2010 | 03 | 27 | <1130-1140>    | <1130-1140>    | J3E/U |     | CLN | UNID     | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM | MK82   | ARSI  |        |
| 14318   | 8 | 2010 | 03 | 21 | <0528>         | 0528           | PXX   | 300 | ?   | Unid     | OTHR S7                                                     | RF73MF | NZART | ZL1GWE |
| 14318.5 | 9 | 2010 | 03 | 27 | <0545>         | 0545           | PXX   | 300 | ?   | Unid     | OTHR S8                                                     | RF73MF | NZART | ZL1GWE |
| 14324   | 3 | 2010 | 3  | 16 | <23:15--23:50> | <23:15--23:50> | J3E/U | 315 | CLN | Unid     | group of males                                              | OF84wx | WIA   |        |
| 14333.3 | 3 | 2010 | 3  | 7  | <23:25--23:31  | <23:25--23:31  | J3E/L | 360 |     | Unid     | 2 males, Chinese                                            | OF84wx | WIA   |        |
| 14347   |   | 2010 | 03 | 27 | <0250-0300>    | <0250-0300>    | J3E/U |     | CLN | UNID     | SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2    | MK82   | ARSI  |        |

OM

SRI LANKAN FISHING  
TRAWLERS IN SINHALA  
LANGUAGE ONLY – 2

|                                                                                                        |        |       |        |
|--------------------------------------------------------------------------------------------------------|--------|-------|--------|
| OM                                                                                                     | MK82   | ARSI  |        |
| 2 SEC. BURST EVERY 30 SECS.                                                                            | RF72LQ | NZART | ZL1BAD |
| RUSSIAN MARITIME SHORE STN                                                                             | RF72LQ | NZART | ZL1BAD |
| Encrypted                                                                                              | RF72LQ | NZART | ZL1BAD |
| 8 CHANNEL - IDLING ONLY                                                                                | RF72LQ | NZART | ZL1BAD |
| RTTY S6 fades to S3 by 0730                                                                            | RF80HL | NZART | ZL2IFB |
| RTTY S1 QSB                                                                                            | RE66IM | NZART | ZL3NB  |
| RTTY S5                                                                                                | RE66IM | NZART | ZL2IFB |
| RTTY signal Region 1 and Region 3 are hearing this RTTY signal S5 Region 1 and Region 3 tracing signal | RF73MF | NZART | ZL1GWE |
| NON AMATEUR CHINESE SPEAKING ;OM-OM.; FISHING TRAWLERS                                                 | RE66IM | NZART | ZL2IFB |
| OTHR FROM 21055 TO 21085 Khz.                                                                          | MK82   | ARSI  |        |
| OTHR S7 stopped just as I found it                                                                     | RF73MF | NZART | ZL1GWE |
| N0N Carrier appears to be vertical polarised 360 degrees not local QRM S6                              | RF73MF | NZART | ZL1GWE |
| CODAR 2PPS S2                                                                                          | RE66IM | NZART | ZL2IFB |
| OTHR Hainan Island                                                                                     | RF72LQ | NZART | ZL1BAD |
| NON-AMATEURS USING F.M. Tx's.                                                                          | RF72LQ | NZART | ZL1BAD |
| N0N Cber PLL splashes                                                                                  | RF73MF | NZART | ZL1GWE |
| Suspect Cber PLL possibly Chinese                                                                      | RF73MF | NZART | ZL1GWE |
| AM transmissions non amateurs -60db                                                                    |        |       |        |
| Suspected Chinese                                                                                      | RF73MF | NZART | ZL1GWE |
| Non Amateurs Sporadic E                                                                                |        |       |        |
| DU and VK open                                                                                         | RF80HL | NZART | ZL2IFB |
| NON AMATEUR CHINESE SPEAKING STATIONS                                                                  | MK82   | ARSI  |        |
| Non Amateurs Sporadic E                                                                                |        |       |        |
| DU and VK open                                                                                         | RF80HL | NZART | ZL2IFB |

|         |     |      |    |    |              |             |     |     |      |        |                                                                          |        |       |        |
|---------|-----|------|----|----|--------------|-------------|-----|-----|------|--------|--------------------------------------------------------------------------|--------|-------|--------|
| 28040   |     | 2010 | 03 | 31 | <0905-0915>  | <0905-0915> | A1A |     | UNID | "4NAY" | LONG LINE FISH NET<br>BEACON -- 3 IDS IN<br>SLOW CW                      |        |       |        |
| 28050   |     | 2010 | 03 | 22 | <0222>       | 0222-0322   | A3E | 290 | ?    | Unid   | Non Amateurs Sporadic E<br>DU and VK open                                | RF80HL | NZART | ZL2IFB |
| 28051   |     | 2010 | 03 | 14 | <0300>       | 0300        | F1B |     | ?    | Unid   | RTTY Commercial                                                          | RF73MF | NZART | ZL1GWE |
| 28052   |     | 2010 | 03 | 28 | <0600>       | 0600        | A3E | 330 | ?    | Unid   | Non-AMATEURS USING<br>AM Txers - fishing boats<br>with Cber PLL splashes | RF73MF | NZART | ZL1GWE |
| 28100   |     | 2010 | 03 | 22 | <0222>       | 0222-0322   | A3E | 290 | ?    | Unid   | Non Amateurs Sporadic E<br>DU and VK open                                | RF80HL | NZART | ZL2IFB |
| 28150   |     | 2010 | 03 | 22 | <0222>       | 0222-0322   | A3E | 290 | ?    | Unid   | Non Amateurs Sporadic E<br>DU and VK open                                | RF80HL | NZART | ZL2IFB |
| 28200   |     | 2010 | 03 | 22 | <0222>       | 0222-0322   | A3E | 290 | ?    | Unid   | Non Amateurs Sporadic E<br>DU and VK open                                | RF80HL | NZART | ZL2IFB |
| 28215   |     | 2010 | 03 | 22 | <0200>       | 0200-0322   | A3E | 290 | ?    | Unid   | Non Amateurs Sporadic E<br>DU and VK open                                | RF80HL | NZART | ZL2IFB |
| 28216   |     | 2010 | 03 | 14 | <0350>       | 0350        | A3E |     |      | Unid   | Non-Amateur                                                              | RF73MF | NZART | ZL1GWE |
| 28226   |     | 2010 | 03 | 28 | <0600>       | 0600        | A3E |     | ?    | Unid   | Non-Amateurs using AM<br>Txers                                           | RF73MF | NZART | ZL1GWE |
| 28308   | 26  | 2010 | 03 | 28 | 02:16 <0216> |             | QXX |     |      |        | From 28302 to 28328 kHz                                                  | OL72   | HARTS |        |
| 28365.5 |     | 2010 | 03 | 29 | <0855-0900>  | <0855-0900> | A3E |     | CHN  | UNID   | NON AMATEUR<br>CHINESE SPEAKING<br>STATIONS                              | MK82   | ARSI  |        |
| 28485.5 |     | 2010 | 03 | 29 | <0855-0900>  | <0855-0900> | A3E |     | CHN  | UNID   | NON AMATEUR<br>CHINESE SPEAKING<br>STATIONS                              | MK82   | ARSI  |        |
| 28705.5 |     | 2010 | 03 | 29 | <0900-0910>  | <0900-0910> | A3E |     | CHN  | UNID   | NON AMATEUR<br>CHINESE SPEAKING<br>STATIONS                              | MK82   | ARSI  |        |
| 101988  | 3   | 2010 | 03 | 27 | <0427>       | 0427-0545   | G7D |     | ?    | Unid   | OFDM with PSK<br>Modulation S8 here -<br>WebSDR Europe S9+               | RF73MF | NZART | ZL1GWE |
| 7000*   | 175 | 2010 | 03 | DY | <1050>       | 1050-1930   | PXX |     | CHN  | Unid   | Out of band OTHR with<br>spill over to 7010 kHz                          | RF72LQ | NZART | ZL1BAD |