

670	27364	92836	09428	61208	74982	36498	32764	81276	01
4986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	70
723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	50
58	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
667	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
543	98798	98754	98754	98754	98754	29867	67543	67986	867
76	87698	69876	87698	69876	87612	12341	34867	86798	632
667	43298	65656	56756	56123	32143	14321	32143	14321	321
71	02787	58765	76587	58765	76587	58765	76587	58756	765
75	75477	36543	54365	36543	54365	36543	54365	36543	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #201, June 2014

Editor: Ary Boender email: ary@luna.nl

Check for previous newsletters, info, sound samples and databases also:

NUMBERS & ODDITIES <http://www.numbersoddities.nl>

SPY NUMBERS ONLINE DATABASE <http://www.spynumbers.com/numbersDB>

UTILITY DXERS FORUM (UDXF) <http://www.udxf.nl>

START PAGE <http://home.luna.nl/~ary>

HF UNDERGROUND <http://www.hfunderground.com/board/>

Hi, this month we have again some Cold War stuff for you and of course the usual numbers and oddities logs and Russian military radio reports.

Quite a few people sent us a note about The Swedish Rhapsody. They all think that this piece of music sounds more like the tune of the numbers station than the Luxemburg Polka. The following mail from Thomas explains why this is.

Now I would like to drop a note to the discussion about the two pieces of music - on the one hand the Swedish Rhapsody No 1 by Hugo Alfven and the Luxemburg Polka by E. Reissdorf. In general they sound very equal as they are equal! Alfven composed the "Midsummerwatch" (Swedish Rhapsody No1 OP 19 - Midsomervarka) in 1903 whilst The Luxemburg Polka has been published in the 1950's and was performed by several musicians all over Europe even by a German ensemble called "Friedel Hensch und die Cyprys" with German lyrics (Title: "Freu dich Mädel (Luxemburg-Polka)"). What we have to suggest is that the melody of Alfven's Rhapsody has been covered for this "music for the masses" as classical music has not been very popular after WW II. So this may concern that the popularized version of the Rhapsody has been more familiar to those guys at Warszawa as the classic original from 1903. In fact both short parts of each song are identical. If Emile Reissdorf would have written the Luxemburg Polka today, he would have to spend a long time in court for plagiarism.

Although the song really is the Luxemburg Polka, the nickname SWEDISH RHAPSODY is in a way still correct.

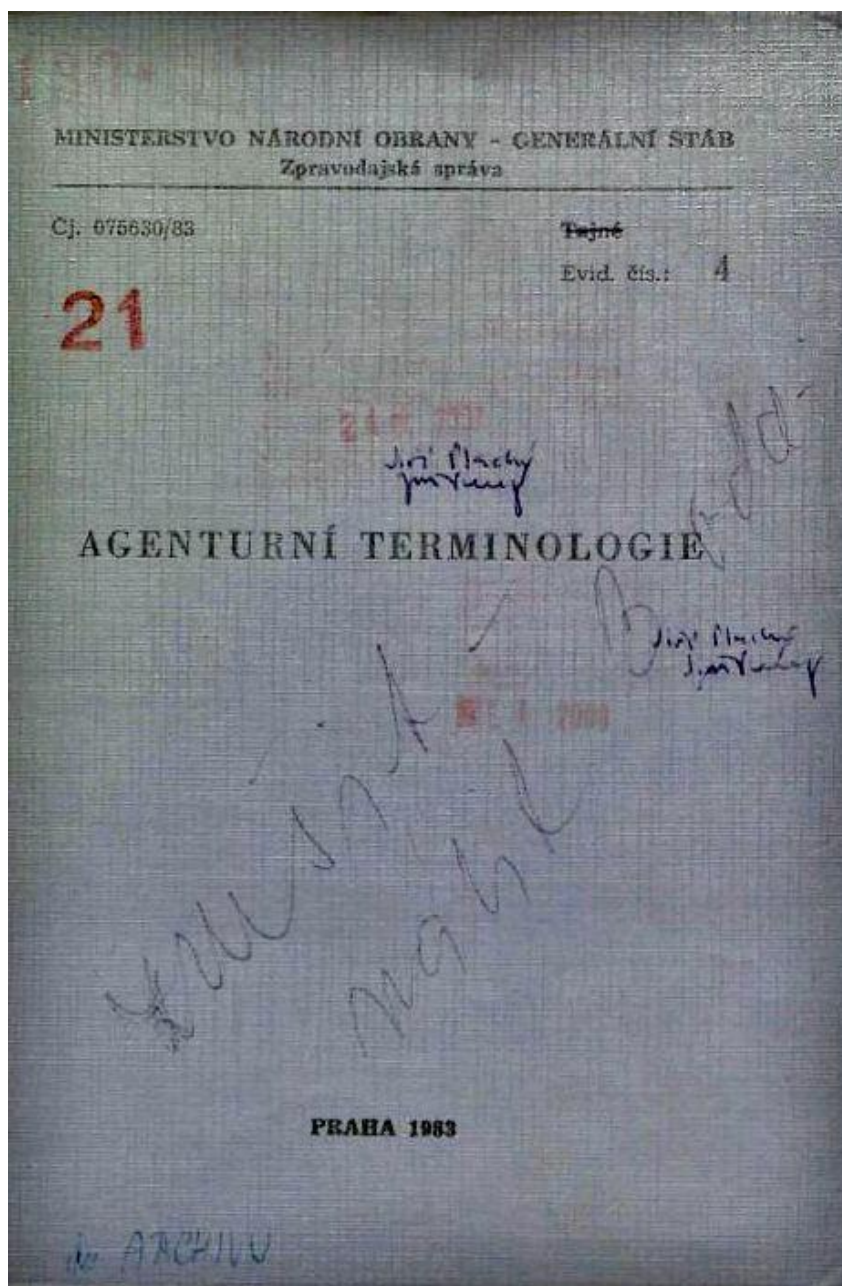
Last month we published an article about declassified Polish intelligence documents. This month we received an interesting document with a translation from totoCZ. Thanks for that !!!



The document is from the now defunct **Sbor Národní Bezpečnosti, SNB** (National Security Corps) and is related to one of their numbers stations.



Besides that, we also received a pdf of the official "Agenturni-terminologie" book of the Ministerstvo Narodni Obrany (Department of National Defence) from 1983.



Agenturní-Terminologie OBSAH

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Pomůcka „Agenturní terminologie“ vstupuje v platnost dnem 1. listopadu 1983. Tím se ruší platnost pomůcky „Agenturní terminologie“ čj. 0077584/71. Tímto dnem zakazují používat v jednotlivých oblastech agenturní činnosti jiné pojmy, které by odporovaly obsahu této pomůcky.

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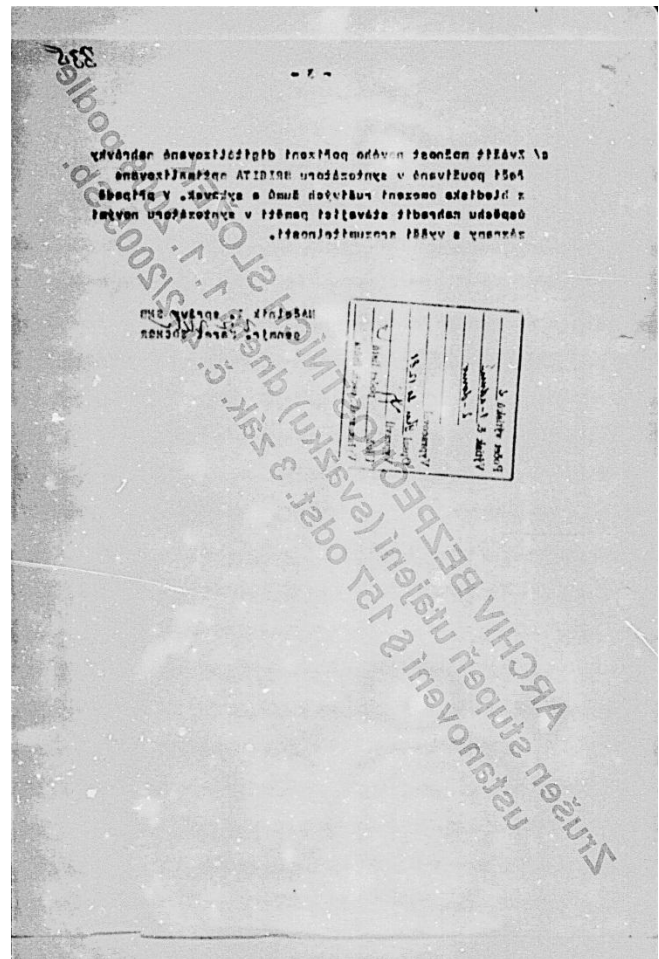
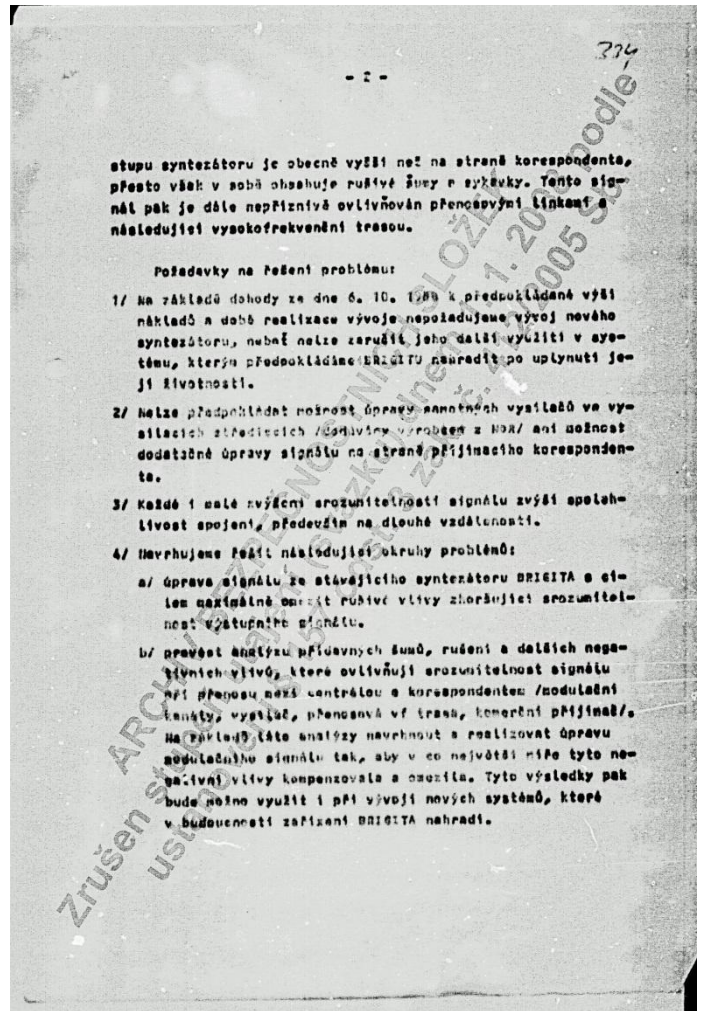
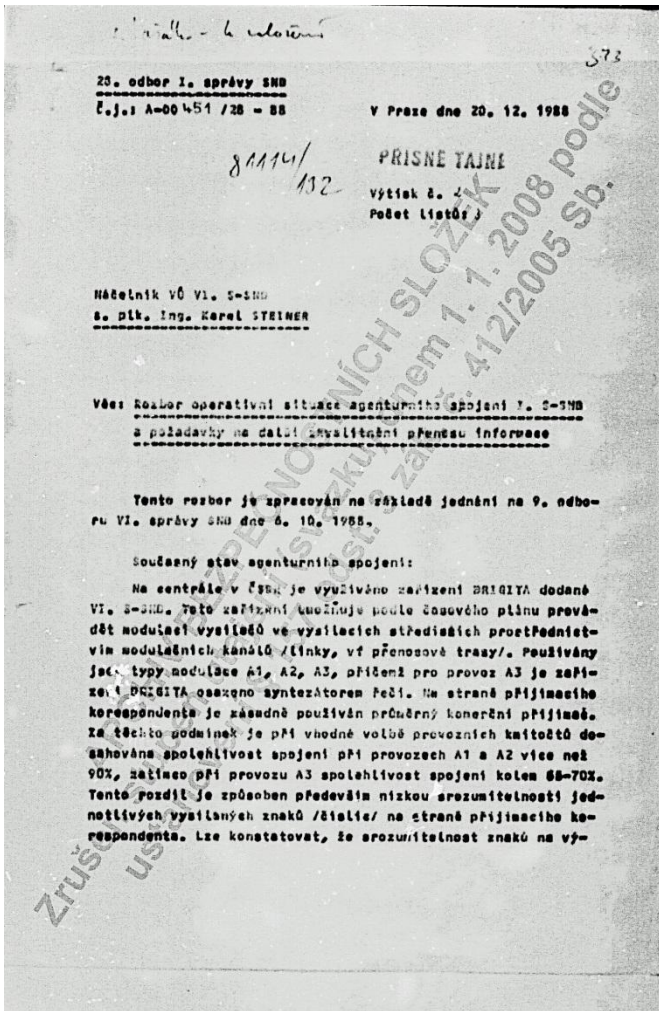
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Utility "agency terminology" shall enter into force on 1 November 1983. This invalidates aids "agency terminology" Ref. 0077584/71. On this day, prohibiting the use in various areas of agency activities other concepts that contradicts the contents of this equipment.



The SNB rented the Poděbrady transmitter site for CZK 50.000 per month.

Picture by I, Ondřej Žváček



This document was top secret but has been declassified in 2008. It is now available from the Archiv Bezpečnostních Složek (Security Services Archive) <http://www.abscr.cz/en>. The document mentions a voice synthesizer system called "BRIGITA".

Two departments of the *Sbor Národní Bezpečnosti, SNB* (National Security Corps) are mentioned:

- I. Správa SNB – Hlavní správa rozvědky SNB (1st Administration of the Central Intelligence SNB) and
- 9. Odbor - VÚ FMV obranná a zabezpečovací technika / VI. Správa zpravodajské techniky SNB (9th department - ECS FMV defense and security technology / 6th Administration.)

A note from totoCZ:

There is no definite word for numbers stations in the Czech language, instead the umbrella term "Agency Link/Connection" is used, which describes all methods to contact the agents, such as radio, dead-letter box, VHF, courier, etc.

Below the translation of the document:

In Prague, dated 20. 12. 1988

TOP SECRET

Copy No. 2

Amount of pages: 3

Chief officer VÚ VI. S-SNB [6th Administration]

s. plk. Ing. Karel STEINER [comrade, lieutenant, engineer (masters degree)]

Subject: Analysis of operative situation of 1st Administration's agency link with the requirements of further improvement in the quality of messages transfer

This analysis is based on 6th Administration's 9th department's meeting on 6. 10. 1988. [Low-Frequency Technology, at the Operative Technology Administration's Research Institute]

Current state of the agency link:

The BRIGITA device supplied by 6th Administration is installed at the central in CSSR. This device allows to perform modulation of transmitters in transmitter centers according to a time plan through the use of modulation channels /line, hf transmission path/. Modulations used are A1, A2, A3, where for A3 operation the BRIGITA device is equipped with a speech synthesizer. On the recipient's side strictly an average commercial receiver is used. Under these circumstances, with adequate choice of operated frequencies, more than 90% connection reliability is achieved with A1 and A2 operation, whereas with A3 operation the reliability of connection is about 65-70%. This difference is caused mainly by low readability of single transmitted characters /digits/ on the receiving correspondent's side. We can say, that readability of characters at the synthesizer's output is generally higher than on the correspondent's side, however it still contains disruptive noises and sibilants. This signal is then unfavorably affected by the transmission lines and the following high frequency path.

Requirements to solve the problem:

- 1/ Based on agreement of 6. 10. 1988 with regards to the expected costs and the development realization time we do not require the development of a new synthesizer, because we cannot ensure its further usability in a system, by which we expect to replace BRIGITA after the end of her [its] lifetime.
- 2/ Possibility of modifications to the transmitters in the transmission centers themselves cannot be assumed /supplied by a DDR manufacturer/ nor the possibility of a further signal adjustment at the receiving correspondent's side.
- 3/ Every, even small, improvement of the signal readability will improve the link's reliability, especially for longer distances.
- 4/ We recommend to solve the following areas of problems:
 - a/ Modification of signal at the current synthesizer, BRIGITA, with the goal to maximally limit disruptive elements worsening the readability of the output signal.
 - b/ Perform analysis of additional noises, interference and other negative effects, which influence the signal readability during transfer between our central and the correspondent /modulation channels, transmitter, transmission hf line, commercial receiver/, based on this analysis suggest and realize modifications of the modulated signal in a way, that would in the maximum possible manner compensate and restrict these negative effects. These results can then be used even in a new system's development, which will replace the BRIGITA device in the future.
 - c/ Consider the option of obtaining a new digitalized recording of speech used in BRIGITA synthesizer optimized with regards to limiting interfering disruptive noises and sibilants. In the event of a success replace current memories in the synthesizer with new records with better intelligibility.

Chief officer of 1st Administration
genmjr. Karel SOCHOR

Another interesting historic list was sent to me. It is a list of **Soviet COMINT and SIGINT posts** in the late 70s (41 abroad, 14 large centers in the USSR). **Source:** <http://forum.mozohin.ru/index.php/topic,175.0.html>

Codename	Location	Codename	Location
"Pochin-1"	Vashington (posol'stvo)	"Initiative-1"	Washington (Embassy)
"Pochin-2"	Vashington (zhiloy kompleks posol'stva)	"Initiative-2"	Washington (residential embassy complex)
"Zefir"	Vashington	"Marshmallow"	Washington
"Proba-1"	N'yu-York (predstavitel' stvo v OON)	"Test-1"	New York (representation in the United Nations)
"Proba-2"	N'yu-York (dacha posol'stva, Long-Aylend)	"Proba-2"	New York (giving embassy, Long Island)
"Raketa"	N'yu-York	"Rocket"	New York
"Rubin"	San-Frantsisko	"Ruby"	San Francisco
"Vesna"	San-Frantsisko	"Spring"	San Francisco
"Venera"	Monreal'	"Venus"	Montreal
"Radar"	Mekhiko	"Radar"	Mexico
"Termit-S"	Gavana	"Termite-C"	Havana
"Klen"	Braziliya	"Maple"	Brazil
"Ostrov"	Reyk'yavik	"The Island"	Reykjavik
"Merkuriy"	London	"Mercury"	London
"Sever"	Oslo	"North"	Oslo
"Yupiter"	Parizh	"Jupiter"	Paris
"Tsentr-1"	Bonn	"Centaurus-1"	Bonn
"Tsentr-2"	Kel'n	"Centaurus-2"	Cologne
"Tirol'-1"	Zal'tsburg	"Tirol'-1"	Salzburg
"Tirol'-2"	Vena	"Tirol'-2"	Vienna
"El'brus"	Bern	"Elbrus"	Bern
"Kavkaz"	Zheneva	"Kavkaz"	Geneva
"Start"	Rim	"Start"	Rome
"Altay"	Lissabon	"Altai"	Lisbon
"Raduga"	Afina	"Rainbow"	Athens
"Tyul'pan"	Gaaga	"Tulip"	Hague
"Vega"	Bryussel'	"Vega"	Brussels
"Parus"	Belgrad	"Sail"	Belgrade
"Raduga-T"	Ankara	"Rainbow-T"	Ankara
"Sirius"	Stambul	"Sirius"	Istanbul
"Mars"	Tegeran	"Mars"	Tehran
"Orion"	Kair	"Orion"	Cairo
"Sigma"	Damask	"Sigma"	Damascus
"Zarya"	Tokio	"Dawn"	Tokyo
"Krab"	Pekin	"Crab"	Beijing
"Amur"	Khanoy	"Cupid"	Hanoi
"Del'fin"	Dzhakarta	"Dolphin"	Jakarta
"Krym"	Nayrobi	"Crimea"	Nairobi
"Termit-P"	Lurdes	"Termite-P"	Lourdes
"Kamran"	V'yetnam	"Kamran"	Vietnam
"Yuzhnyy"	Yuzhnyy Yyemen	"South"	South Yemen
TSRUSS	Nerastannoye, Moskovskaya oblast'	TSRUSS	Nerastannoe, Moscow region
1-y ORUSS	Tsaritsyno, Moskovskaya oblast'	1st ORUSS	Tsaritsyno, Moscow region
4-y ORUSS	Krasnoye Selo, Leningradskaya oblast'	4th ORUSS	Red Village, Leningrad Region
6-y ORUSS	Linksmakal'nis, Litva	6th ORUSS	Linksmakalnis, Lithuania
8-y ORUSS	Ovidiopol'-2, Ukraina	8th ORUSS	Ovidiopol-2, Ukraine
10-y ORUSS	Sary-Agach, Kazakhstan	10th ORUSS	Sary Agach, Kazakhstan
ORUSS	Balashov-13, Saratovskaya oblast'	ORUSS 13	Balashov, Saratov region
ORUSS	Yakovlevka, Primorskiy kray	ORUSS	Yakovlevka, Primor
ORUSS	Shkotovo, Primorskiy kray	ORUSS	Shkotovo, Primor
ORUSS	Lipovka, Ukraina	ORUSS	lipovka, Ukraine
ORUSS	Rustavi-7, Gruzija	ORUSS 7	Rustavi, Georgia
ORUSS	Kupavna, Moskovskaya oblast'	ORUSS	Kupavna, Moscow region
ORUSS	Balaklava, Ukraina	ORUSS	Balaklava, Ukraine
ORUSS	Ventspils, Latvija	ORUSS	Ventspils, Latvia

VOICE STATIONS



E06

5731 kHz, 06-06, 2130 UTC, distorted voice

315 274 20
45673 56743 87653 32457 35467 87654 24357 56784 35906 45738
65784 43689 54685 42756 48964 56957 46386 56846 42170 63217
274 20 0 0 0 0

17483 kHz, 18-06, 1700 UTC

354 910 72
51072 15101 04503 83070 23284 64103 57238 80424 78273 89710
49283 90905 43859 42179 52123 50286 21294 18950 19847 13870
61849 82392 65824 25496 09748 20901 41042 39894 21983 82052
76290 64281 74640 01546 91782 16731 74619 01401 18152 52935
30862 52302 83568 50348 59640 50563 93046 97562 69436 65187
79127 90846 08102 20293 27418 16067 60396 52054 09025 19439
15139 57480 14737 85628 70682 61746 83721 09834 68797 09519
01508 06242
910 72 00000

15960/17470 kHz, 19-06, 0500/0600 UTC

15960/17470 kHz, 20-06, 0500/0600 UTC

328 764 109
96160 40569 30766 78026 98168 55426 36080 94415 02560 56301
68538 64610 30442 67256 16108 41695 88517 03228 35561 95059
26353 00115 21713 50313 04689 00060 52529 08591 60707 21578
58555 87435 81227 69247 90095 50460 19739 62631 80589 17959
18218 89131 29612 75669 19673 10446 53938 23857 82348 77340
80121 33930 31523 32397 77002 04756 09847 05442 51602 35871
12149 31339 56833 59777 15657 44834 84458 00503 41562 32132
41748 50623 08870 43904 35261 83926 66477 99410 10196 45909
14404 36418 18742 89294 50122 86610 15877 46753 00931 81172
06037 58023 28287 16240 89109 93609 15061 32895 79174 42253
71632 91405 94444 54357 21770 44387 41822 58558 54241
00000

12207/9075 kHz, 25-06, 1130/1600 UTC, E06b (groups sent twice)

509 25614 243 243 79 79
38754 25915 12367 25238 59415 73463 95847 41584 63757 86841
75483 42972 40918 52803 92737 25497 93742 24643 90108 10387
92076 04787 28421 65971 70481 01072 40423 25258 95236 70340
29398 98378 24593 05018 04831 59364 69460 32487 62431 71581
69681 80831 96808 20429 34527 75824 01720 78510 46731 18374
30141 74561 10871 02636 18496 07285 25019 65628 08920 79068
84729 16178 06407 57821 98095 49782 56290 36749 41352 14517
49092 80674 31960 17383 64835 69284 07935 87014 34916
243 243 79 79 00000



E07/ E07a

15824 kHz, 04-06, 1900 UTC

865 1 515 113
14733 10906 29419 47988 81970 12504 12640 88482 06887 36809
99228 31075 29255 23754 76113 01433 49017 12382 38065 98017
93217 85012 73973 24425 02503 98240 11742 22852 64350 33649
91426 50396 48367 56950 48466 73474 59672 24895 67164 02659
70324 63246 39861 49199 35777 48114 54250 01652 80360 42369
72733 80212 05441 50038 38246 18277 61721 00779 55895 89304
60137 12115 72971 22965 59238 51446 89775 36225 92376 76929
07946 35142 46690 12455 68712 65328 39544 92838 25104 39670
66391 06838 02627 27458 79220 29054 53754 28190 48365 18747
92849 23351 67002 68886 70843 12731 83138 24062 90879 86468
67678 10981 28249 69321 13862 02788 14945 41786 57904 68967
32449 63528 20874
000 000

15824 kHz, 11-06, 1900 UTC

865 1 640 15
25680 01600 45007 41486 59213 14111 63668 93770 96103 58818
63598 11105 37399 12109 74291
000 000

13373/14373/14873 kHz, 14-06, 0800/0820/0840 UTC, E07a

338 1 15248 7437 63
39767 22919 96037 29697 45655 98975 41306 95134 90694 77814
99278 75123 54598 69210 64327 58602 57568 11500 94323 95040
83784 86040 35246 51354 05431 01966 37144 26726 42609 87412
01530 58269 54296 14307 68169 54935 08851 69717 53964 37903
80751 52033 62386 42835 93153 71775 56239 57982 28948 31424
68233 51740 80373 96927 74015 45404 63355 36608 18209 67886
85803 87796 96290
000 000



E11/ E11a

14518 kHz, 03-06, 1810 UTC

983/10 Attention
74129 18105 70073 19634 74388 08097 42878 28016 45732 29384
Attention, rpt msg, out

13722 kHz, 03-06, 1400 UTC

982/10 Attention
53342 86722 39938 75756 00485 17749 37980 93424 60383 31181
Attention, msg rptd, out

10213 kHz, 04-06, 0930 UTC

278/34 Attention

54924 74262 02390 29176 68313 51502 97306 21864 02070 25639
77358 32912 93342 37627 51396 27610 66669 30856 17982 24236
59830 58592 20593 14741 56256 21025 45293 31735 38877 69033
05094 12693 34547 07306

Attention, msg rptd, out

16335 kHz, 04-06, 1155 UTC

710/38 Attention

37357 97189 81412 54238 10166 52162 76314 54636 13514 59053
36892 88897 43963 37248 14818 17103 58622 70531 80441 99645
74779 53840 45117 90691 72426 58291 03344 23463 06326 36753
39875 53463 19609 91332 95490 04412 02705 56909

Attention, msg rptd, out

10487 kHz, 06-06, 1710 UTC

959/27 Attention

61755 89242 94791 44467 03408 02267 44085 58881 62259 04640
69879 28960 34497 94380 21670 60783 47113 90279 52620 30722
43334 29792 31632 01092 24358 18414 27178

Attention, msg rptd, out

4909 kHz, 07-06, 1445 UTC

288/38 Attention

95365 96225 95306 75639 97366 55665 28239 52989 80491 86123
25548 21569 61617 85715 76296 31854 17897 52369 44815 57933
14996 20429 19679 55128 09771 71452 91621 76446 90538 54634
38287 80893 82059 03282 44988 69153 00223 38903

Attention, msg rptd, out

14518 kHz, 07-06, 1810 UTC

988/10 Attention

05324 48204 31135 47610 17000 31106 53985 17798 19541 95348

Attention, msg rptd, out

10356 kHz, 12-06, 1530 UTC

266/37 Attention

28896 39238 72704 72365 67345 02658 04294 33722 20129 04622
28325 45545 00550 52647 04057 49714 21608 68659 11245 32684
51607 38491 10126 95412 45285 03748 35944 36714 75400 87072
91944 29387 24860 87246 13415 54206 01095

Attention, msg rptd, out

10487 kHz, 13-06, 1710 UTC

959/27 Attention

82340 22875 43026 69743 45012 46800 97271 33145 22101 95422
30132 16158 01636 87249 94451 47892 55110 37216 29364 40903
26268 81257 78212 09452 85254 42559 91499

Attention, msg rptd, out

14518 kHz, 14-06, 1810 UTC

985/10 Attention

89517 52779 94620 17634 99773 20431 76415 88981 09302 17068

Attention, msg rptd, out

13722 kHz, 17-06, 1400 UTC

983/10 Attention

33125 54004 44713 37851 98694 14451 58334 30378 43706 63156

Attention, msg rptd, out

8725 kHz, 19-06, 0820 UTC

436/33 Attention

42391 47382 45010 72584 26913 73169 68127 80814 10601 83869
97499 25302 67053 07610 98918 45350 16846 38812 23462 99080
49565 03568 63317 77596 67769 36824 03064 34594 72634 64212
67076 59081 10365 Attention, rpt msg, out

4909 kHz, 21-06, 0900 UTC

242/34 Attention

54452 83782 50473 33773 14579 56391 38640 81962 91333 16755
03545 46298 90373 36651 19411 55672 35377 21859 81080 62537
50463 08107 74787 47388 86592 64542 26927 08857 84842 02025
61982 13839 05967 51091
Attention, msg rptd, out

14865 kHz, 21-06, 1705 UTC

394/34 Attention

75894 52080 60166 69295 30896 83643 67770 60441 46447 71172
14122 55121 98413 30542 75373 87512 47695 93013 74531 24748
15576 10978 62838 26763 23585 74565 83904 27102 74029 60977
91386 70549 33502 17540
Attention, msg rptd, out

14518 kHz, 21-06, 1810 UTC

983/10 Attention

37444 57992 53142 42843 49182 41298 94174 36234 73243 67448
Attention, msg rptd, out

10800 kHz, 23-06, 0450 UTC

412/31 Attention

02671 51920 25943 55078 42100 36522 08319 82615 43066 58180
28328 13558 35074 04812 15847 72741 71572 10178 01643 37076
68784 86285 85807 21170 90101 82429 02670 71677 93145 44597
31691
Attention, msg rptd, out

14769 kHz, 24-06, 0530 UTC

981/10 Attention

80545 00883 79515 63970 74715 27050 48001 82587 47204 63560
Attention, msg rptd, out

15632 kHz, 24-06, 0745 UTC

338/35 Attention

20208 52856 77837 60845 12871 40061 64725 30420 95858 01124
81469 37492 11349 52176 63721 22732 00906 00300 20266 93302
74373 57321 04336 45362 36992 21306 60128 97727 28860 87562
09919 38192 28132 92616 84266
Attention, msg rptd, out

14518 kHz, 24-06, 1810 UTC

985/10 Attention

96616 49388 82852 32941 86560 27196 82740 56776 60906 02089
Attention, msg rptd, out

13427 kHz, 25-06, 0900 UTC

530/30 Attention

83051 74350 69289 38760 03723 58768 04121 17826 77521 03894
90039 74653 84341 17125 07422 75735 19401 91367 34339 74098
08045 65910 66926 96901 96976 25360 03664 18517 31364 41620
Attention, msg rptd, out

16388 kHz, 28-06, 1110 UTC

950/31 Attention

39828 55178 05773 31488 77698 54604 20491 85450 60238 90832
85197 19329 16087 27899 17041 00616 33290 44561 70990 99914
72298 98576 09404 26281 02264 42290 30462 88775 54922 77553
40426

Attention, msg rptd, out

14518 kHz, 28-06, 1810 UTC

986/10 Attention

36519 36916 67826 94364 62203 98788 25374 83049 30574 55708

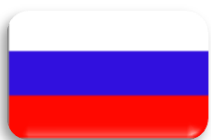
Attention, msg rptd, out

9130 kHz, 28-06, 2005 UTC

369/34 Attention

11310 90198 02972 98603 33384 43654 52735 18683 73262 94357
35587 40738 71017 64190 91374 47782 07060 58677 70511 79756
71486 24989 15512 96360 91344 20892 55649 47270 24555 88644
21845 55378 05554 20616

Attention, msg rptd, out



E17z

16780 kHz, 19-06/26-06, 0800 UTC

674 832 5

46148 93238 42398 46590 52413

832 5 00000



G06

6887 kHz, 12-06, 1830 UTC, with errors

842 931 20

68534 58965 12467 43219 76890 53686 41238 53790 46579 76543

35497....93 off 69893 53689 654 off 54689 65432 54367

931 20 00000

5943 kHz, 27-06, 1929 UTC

218 347 20

37839 35787 98273 60187 16202 95625 31691 52538 61025 22567

93296 67423 40968 16891 63781 34820 04842 60491 75924 04594

347 20 00000



S06/ S06s

12952 kHz, 12-06, 0900 UTC, S06s

167 482 5
19283 74658 78436 39980 23485
482 5 00000

15721 kHz, 17-06, 0400 UTC, S06

480 375 52
38031 36251 31064 40130 67614 76589 08056 67500 46132 25446
73418 98465 15347 11624 47141 85274 73100 82616 30100 31908
12224 41904 14318 39068 14233 62178 62831 97313 83745 00686
07641 70521 34560 73460 39152 36875 63329 67457 85569 79554
71773 95351 05661 44326 23362 22710 43340 06208 45407 22203
17508 12408
00000

11742/12366 kHz, 20-06, 0600/0610 UTC, S06s

934 208 5
35674 32144 32513 94931 42326
208 5 00000

7845/9125 kHz, 20-06, 0600/0610 UTC, S06s

196 408 5
81274 41812 37047 36337 30127
408 5 00000

7650 kHz, 20-06, 0800 UTC, S06s

278 906 5
44801 99924 44326 92970 83889
906 5 00000

15721 kHz, 20-06, 0400 UTC, S06

480 621 50
76218 56370 94598 82584 79201 33175 19598 70180 18768 81790
30965 40226 93917 76594 72427 45603 15336 77333 49343 21187
72792 84884 01231 15227 35845 63515 06816 83345 67529 28080
13788 06051 55721 19603 10449 15741 91871 17673 81440 44103
51783 63097 14750 25874 58129 89237 52166 19871 29398 85483
000000

11165/12530 kHz, 25-06, 0950/1000 UTC, S06s

11165/12530 kHz, 26-06, 0950/1000 UTC, S06s (odd that it repeated the next day)
635 284 10
20483 47292 38314 63370 76184 79445 71840 777398 81350 55579
284 10 00000

14580 kHz, 25-06, 1000 UTC, S06s

729 843 5
45139 46424 41973 39587 86464
843 5 00000

16020 kHz, 25-06, 1010 UTC, S06s

729 843 5
45139 46424 41973 39587 86464
843 5 00000

13812 kHz, 25-06, 1010 UTC, S06c

11216 for 1.5 mins, switching transmitter on and off. Test tones

13812/11483 kHz, 25-06, 1020/1030 UTC, S06c

11216

13565 kHz, 26-06, 0910 UTC

167 830 55

81274 41812 37047 36337 30127

830 55 00000

10325 kHz, 26-06, 0940 UTC

314 907 55

35344 34489 38590 36364 92049

907 55 00000

13145/14535 kHz, 26-06, 1200 UTC

425 819 66

45138 45424 41973 39587 86464 32184

819 66 00000



S11a

8530 kHz, 20-06, 0915 UTC

483/36 Vnimanie

04905 02240 39457 92589 45066 00715 17781 84558 29713 92713

45316 64688 75682 03875 90791 49795 97490 41849 24617 93549

73912 12447 70120 29047 17386 66484 38760 31789 21278 19252

17319 71543 30162 93211 54692 23499

Vnimanie, rpt msg, konec

4870 kHz, 25-06, 1955 UTC

373/33 Vnimanie

46675 62629 87805 00379 29497 75529 14187 37273 34158 93580

48742 87927 84605 46877 09771 82910 35359 11101 55035 62592

57091 70537 71724 87039 05198 04649 95934 01996 10643 91476

58452 89736 45329

Vnimanie, rpt msg, konec



S25

Note:

The format is not 100% S25. It is a S25 variant and morse version of M01a

12172 kHz, 24-06, 0622 UTC

215 75558 215 71078

22222 70668 72518

11111

00000 00000

14857 kHz, 25-06, 1700 UTC

023 023 023 32972 32972

11111 11111

00000 00000



S28 - The Buzzer

Mode: USB

Frequency: 4625 kHz

01-06, 1505 UTC	Buzzer on 4542, 4583, 4625, 4643, 4709, 4750, 4592 kHz
16-06, 0629 UTC	MDZhB 68 952 PIKTS 57 16 99 29
16-06, 0746 UTC	MDZhB 49 949 AGRIKOLIT 19 68 73 22
16-06, 1326 UTC	MDZhB 09 840 TIL'DA 80 49 60 72 VZRASHENIE 66 02 83 50
16-06, 1329 UTC	MDZhB 88 550 NEISChETNYJ 86 03 41 03
21-06, 0851 UTC	MDZhB 52 012 BARASH 59 52 18 53
25-06, 1229 UTC	MDZhB 95 862 PERLOVICA 76 19 06 60



S30 - The Pip

Modes: CW (Pip), USB (messages)

Frequencies: 3756 kHz (night), 5448 kHz (day)

3756	01-06	1837	L'GJ TShchShchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z' NLCE V2MZ
3756	02-06	1828	CI9V ZhSK4 5FSShch DEAY DMC3 49FT C2ZA LI27 INNC ShchGJP
3756	04-06	1749	ShchGJP F61N MUDR 'U1B 8MUO 5J7Shch TUZR 27Shch' N1DU 53OB
5448	05-06	1409	5FSShsh 49FT TUZR 5J7Shch 19 255 56 787 41 944 26 122 HOLODNIK 44 78 01 42
5448	07-06	1408	5F7Shch 49FT TUZR 5J7Shch 66 431 56 298 43 202 66 185 OTCEPSHIK 98 69 21 67
3756	07-06	1751	MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch
3756	10-06	1709	F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 6I2Zh ZhD9V SJ5C 42BV
3756	11-06	1323	Weather report: 8S1Shch v blizhayshiye 3-6 chasov s sokhraneniem do 13 iyunya po territorii respubliky severnaya osetiya i alaniya ozhidayutsya sil'nyye grozovyye dozhd'i so shkvalistym usileniyem vetra do 22 m / s, pod'yem urovnya rek do neblagopriyatnykh otmetok, v gorakh skhody seley v malykh ob'yemakh.
5448	16-06	0626	8S1Shch 10 655 RYLEC 87 30 62 12
3756	17-06	1702	V'Z' NLCE V2MZ SB7Z 8MUO TUZR 6J7Shch 27Shch' N1DU 53OB
3756	18-06	1851	LI27 INNC ShchGJP 8CShchJ TZLM FY5E F61N 37CN MUDR 7VNShch
5448	18-06	1353	Weather report: 8S1Shch v blizhayshiye 1-3 chasa s sokhraneniem do 18-19 iyunya v kabardino-balkarskoy respublikе ozhidayutsya sil'nyye grozovyye dozhd'i s livnem i gradom, so shkvalistym vetrom do 0-25 m/s, na rekakh i vodostokakh pod'yem urovnya vody do neblagopriyatnykh otmetok, v gorakh skhod seley.
5448	19-06	0422	Zh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZU



S32 - Squeaky Wheel

Mode: USB

Frequencies: 3838 kHz (night), 5473 kHz (day)

3828	04-06	1750	BIZON-64 DUBLER-68 LANDYSH-74 PENZA-07 DZhIGIT-46
5473	05-06	1406	ALFA-45 76 503 NEVEJKA 33 79 63 83
5473	07-06	0515	ALFA-45 48 917 GIMATEL' 30 58 53 56
3828	08-06	1906	OTPOR-89 ALEUT-09 PENZA-07 UTES-94 DUBLER-68
3828	11-06	0203	ALFA-45 67 058 MILOSh 00 96 46 60
5473	16-06	1328	ALFA-45 32 590 BITOK 38 21 49 10
3828	18-06	1819	SLIVA-94 ShTORA-62 NEVKA-26 UTES-94 FONTAN-34



V07

12182/11182/10282 kHz, 08-06, 0700/0720/0740 UTC

112 1 355 89
12793 04922 71223 37347 32034 25303 72410 08833 33983 52347
30991 13231 24079 01324 39481 48280 23222 13347 74419 55238
53343 44110 55791 37333 98095 37177 54842 33042 13327 21004
21233 52314 84704 31021 30542 77429 94593 77087 53357 19103
13185 39341 43223 43352 04859 42822 53454 03223 13330 43335
87973 48738 50990 08830 88889 82159 32087 83881 55048 85123
44875 54524 37407 72072 97819 38757 33515 19232 33843 30095
23090 53074 41734 74418 20354 43733 17331 12248 37772 29297
37004 84992 31338 33344 30824 89103 19149 32345 23332
000 000

12182/11182 kHz, 22-06, 0700/0720 UTC

112 112 112 000

12182/11182/10282 kHz, 29-06, 0700/0720/0740 UTC

112 1 268 53
38094 83353 21386 88439 41937 68813 39717 16932 34013 85194
23026 28119 26364 30392 43811 54829 79383 53656 58523 77016
11785 70439 12245 99286 46418 54886 38855 45219 40803 44528
13958 66282 61291 39752 18469 83774 88790 02272 46956 25416
62012 80820 84654 51073 10220 15003 17198 69827 81938 43000
83995 85785 14237
000 000



V02a

Dirección General de Inteligencia

8135 kHz, 8-6, 2300 UTC
7554 kHz, 10-6, 2000 UTC

YL/SS w/text of 5F grps mixing with M08a
YL/SS Atencion 41102 54431 66752 and into texts of 5F grps



V13 - New Star Broadcasting Station

星星廣播電台 Xīngxīng guǎngbò diàntái

Frequencies: 7654, 7688, 8300, 9276, 9522, 9725, 10182, 10522, 11430, 13750, 15388 kHz

Schedules per 1 May 2014

13750 kHz	0200-0230 kHz	New Star 1	15388 kHz	0800-0830 kHz	New Star 4
13750 kHz	0300-0330 kHz	New Star 1	8300 kHz	1200-1230 kHz	New Star 4
8300 kHz	0500-0530 kHz	New Star 3	8300 kHz	1300-1330 kHz	New Star 4
8300 kHz	0600-0630 kHz	New Star 3	Note: not all the skeds are always on the air		
15388 kHz	0700-0730 kHz	New Star 4			



VC01 - Chinese Robot **Chinese Air Defense**

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:

3036, 3749, 3837, 4075, 4165, 4175, 4180, 4258, 4343, 4410, 4422, 4427, 4480, 4530, 4580, 4726.5, 5114, 5195, 5232, 5288, 5303, 5328, 5330, 5343, 5393, 5592, 5700, 5742, 5799, 5802, 5820, 5832, 5892, 6209, 6479, 6771, 6840, 6858, 6860, 6949, 6960, 7090, 7351, 7608, 7684, 7726, 7739, 7744, 7756, 7770, 7792, 7864, 7865, 7880, 7890, 7924, 7938, 8000, 8025, 8170, 8779, 9000, 9129, 9169, 9192, 9290, 9340, 10508, 17392 kHz.

German Agentradio SE 99/10 as used during World War II.

The picture comes from an article titled "*Der Geheime Funkmelde Dienst*" under 2:a världskriget. Fasta radiostationer.

This interesting article is in Swedish and is published by the Radiomuseet (Radio Museum) in Göteborg, Sweden. A great museum, btw.



MORSE STATIONS



MX **Russian Military beacons**

Current cluster frequencies:

3594, 4558, 5154, 7039, 8495, 10872, 13528, 16332, 20048 kHz

Other frequencies:

L 6917.5, 8497.8 kHz

V 3658, 4150, 6809, 6928, 7027.5 kHz

R 4325.9, 5465,96 kHz

G 5835, 8029, 8895 kHz (Air Force "Bear Net")

W 5835, 8029, 8895 kHz (Air Force "Bear Net")

Cluster beacon slots:

.7 "D", Sevastopol

.8 "P", Kaliningrad

.9 "S", Severomorsk

.0 "C", Moscow

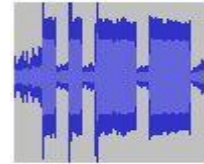
.1 "A", Astrakhan

.2 "F", Vladivostok

.3 "K", Petropavlovsk Kamchatskiy

.4 "M", Magadan

The Russian Air Force "Bear net" transmitted marker "Ü" instead of the usual "W" for a while.
Heard on 8995 kHz, 17-06, 0600/0620/0720/1000/1100 UTC



"Ü"

Probably an error as it returned later to the "G" and "W" markers.



M01

M01 – 03-06, 1800 kHz, 5280 kHz

025 921 30 = =
92113 96171 95858 87909 71546 89565 04744 63678 67059 20209
99433 67864 49510 20580 48426 23069 74907 08794 26072 16016
11204 20222 63854 30471 74720 04264 83369 03356 76443 92521
= = 921 30 0 0 0

M01 – 03-06, 2000 UTC, 4905 kHz

025 443 30 = =
53878 40305 76484 80628 28565 45340 40118 75055 89860 86198
12251 54838 90572 65717 95518 41548 13429 81371 48040 76619
04591 84771 85175 58449 10296 27885 69231 76790 64425 27968
36224
= = 443 30 0 0 0

M01 – 05-06, 1800 UTC, 5280 kHz

025 389 30 = =
92119 06554 51558 17598 93025 84254 05378 15098 13943 04497
90022 34631 60074 85654 95604 38519 87597 67252 10687 29817
77908 56313 27407 75842 86515 23741 14939 81898 42013 88317
= = 389 30 0 0 0

M01 – 14-06, 1500 UTC, 6435 kHz

025 409 30 = =
18994 38056 91048 66288 88511 24524 06463 70806 97731 12911
62882 02544 34536 31466 98889 11514 96790 53031 90958 90053
87982 40140 16392 94081 91918 94705 35623 82275 46478 28756
= = 409 30 0 0 0

M01 – 17-06, 1800 UTC, 5280 kHz

025 156 30 = =
72231 71370 71073 45573 29813 29665 74701 25381 08551 14804
09985 44666 14025 22188 77442 99930 53140 78870 52114 95858
87046 90836 02787 34090 54758 17129 36146 46563 37219 19252
= = 156 30 0 0 0

M01 – 21-06, 1500 UTC, 6435 kHz

025 219 219 30 30 = = = =
55997 35428 38311 18476 41436 48303 49122 41110 96367 20286
78422 50162 27276 85932 02762 45072 03789 02534 82290 73584
97251 57267 13343 06886 39456 04701 78327 37449 11019 67359
= = = = 219 219 30 30 000 000

M01 – 24-06, 1800 UTC, 5280 kHz

025 716 30 = =
43477 62563 81813 01921 28018 71671 25579 92986 35193 88587
74751 04511 99714 46446 10753 61940 38826 87829 57657 28053
85699 75802 78514 15917 77175 26852 92047 58330 02118 34071
= = 716 30 0 0 0

M01 – 24-06, 2000 UTC, 4905 kHz

025 913 30 = =
55748 63468 93880 01270 60821 72089 76414 21228 70526 94879
35746 92082 85438 32503 16166 68957 30131 50638 11426 05419
26854 74759 96692 97563 84167 21111 83445 64916 43887 58555
= = 913 30 0 0 0

M01 – 29-06, 0700 UTC, 6780 kHz

025 = 31530 = = 315 30 = =
01150 43586 95822 01372 14057 21784 86041 47088 04160 01162
49338 94430 28559 11265 45215 72460 23061 34491 78455 48460
95518 53863 32384 74266 29870 41209 51894 59902 38457 87553
= = 31530 = = 315 30 0 0 0

M01b – 13-06, 2010 UTC, 4895//5340 kHz

467 631 45 = =
19836 66417 24942 41725 39808 53754 45814 75598 35396 08591
51223 11847 24495 46170 08729 70259 20343 51034 06791 58140
69397 10221 86340 79146 37863 16607 39288 30534 53254 49448
14719 34920 74986 08278 11934 51841 95232 70068 89635 62726
21998 36190 22878 41599 83788
= = 631 45 0 0 0

M01b – 27-06, 2010 UTC, 4895//5340 UTC

467 717 32 = =
06351 25664 24402 86002 47320 89449 24521 72678 83653 50467
10747 02716 44844 22324 92134 34561 14832 61599 73338 46864
06113 73467 99376 26074 13211 23194 07259 78830 08482 66619
62397 35680
= = 717 32 0 0 0



M03

7837 kHz, 05-06, 1320 UTC

430/38 = =
70647 63937 48441 34771 45293 14379 16430 02180 99978 81748
13405 56924 74626 80495 93021 29530 12205 35739 11518 53740
09663 82231 28928 26902 49327 22306 34567 35902 39746 78365
39326 72947 80159 69520 67833 06655 80332 40169
= = 0 0 0

7727 kHz, 16-06, 1320 UTC

549/31 = =
10312 59493 92821 86076 87828 08031 75897 76735 30201 18357
95999 46623 73260 55266 59213 12611 08195 27343 08524 15975
70584 74791 76876 38749 77466 03707 58210 85514 70339 10823
82911
= = 0 0 0

7837 kHz, 25-06, 1115 UTC

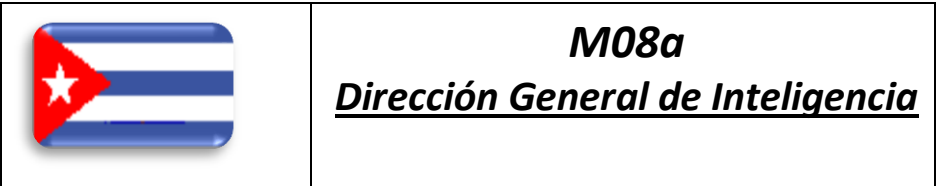
655/30 = =

22677 67068 63392 54287 58672 78717 20903 05034 68425 58765

55905 59217 03320 14623 14409 64748 13453 52225 43982 71191

10993 91711 64575 55256 95639 77133 52711 05648 83617 44026

= = 0 0 0



Danix reports failures in the following M08a transmission:

7555 kHz, 21-06, 2000 UTC

2000 UTC - 18262 22501 35022, then into message #1

2005 UTC - Stop

2007 UTC - Windows XP startup sound

2008 UTC - M08a starts over

2009 UTC - M08a stops again

2014 UTC - Windows XP startup sound, then M08a restart

2021 UTC - M08a stops again

Freq.	date	UTC	day	remarks
11635	2-6-2014	1800	Mon	Cuban cut nbrs: NWDIA DGARA UAADN mixing with HM01. M08a off at 1803z
7554	3-6-2014	2010	Tue	Cuban cut nbrs
8135	3-6-2014	2300	Tue	Cuban cut nbrs: RGUNN GNIUA TWAIA
8096	4-6-2014	1409	Wed	Cuban cut nbrs
8135	5-6-2014	2308	Thu	Cuban cut nbrs
7554	6-6-2014	2003	Fri	Cuban cut nbrs: DUGTA ATGDN NAWRN
8096	8-6-2014	1403	Sun	Cuban cut nbrs
7554	8-6-2014	2005	Sun	Cuban cut nbrs
8135	8-6-2014	2300	Sun	mixing with V02a
7554	9-6-2014	2000	Mon	Cuban cut nbrs: DGAWN WNUIA RWGAA
8009	9-6-2014	2303	Mon	Cuban cut nbrs
7554	12-6-2014	2003	Thu	Cuban cut nbrs
7554	12-6-2014	2008	Thu	Cuban cut nbrs
8096	13-6-2014	1413	Fri	Cuban cut nbrs
7554	13-6-2014	2003	Fri	Cuban cut nbrs
8096	17-6-2014	1411	Tue	Cuban cut nbrs
8135	17-6-2014	2310	Tue	Cuban cut nbrs
8096	18-6-2014	1403	Wed	Cuban cut nbrs
7554	18-6-2014	2004	Wed	Cuban cut nbrs
8009	18-6-2014	2302	Wed	Cuban cut nbrs mixing with HM01
7554	19-6-2014	1959	Thu	Cuban cut nbrs. TWDIA AWTAN NGDDA
8096	20-6-2014	1420	Fri	Cuban cut nbrs. Late start
7555	21-6-2014	2000	Sat	18262 22501 35022, then into message #1. Stop. Windows XP startup sound (see N&O 201)
7554	21-6-2014	2001	Sat	Cuban cut nbrs. AGNRN NNWTA DWTNN
8009	21-6-2014	2303	Sat	Cuban cut nbrs.
8135	25-6-2014	2315	Wed	Mixing with HM01



M12

Danix sent a note in which he says:

I've been monitoring M12 further, and I noticed that the mid-transmission pauses occur very often. However, I've only ever heard them on the ID's "124", "257", "463" and "938".

Interesting, Danix. I have no idea if this would be intentional or not. If one of the readers has an idea, please let us know.



M21 + variants **Russian Air Defence Forces** **Во́йска ПВО Voyska PVO**

6305 // 10209 kHz, 23-06, 1205 UTC

5841 597 1035 4260 02511700 353 190 05
5841 597 1715 4260 04 511700
5841 597 1227 4260 05 511700
5841 597 1726 4260 511700 00 835 5251 3218414950 12 511
5841 597 1817 4260 11 511700

5215 // 6305 kHz, 25-06, 0942 UTC

5833 5472788 39
5834 339 0 2 EEEE
5834 33908 EEEEE
5834 339 03 72 40
5833 5492 EEEEEEE
58547 21 44 40
5833 5472143 41
5834 339 03 72 41
5834 339 0 388 42
5834 3390 39 EEEEEEE
5834 339038842
5833 547214442



M24

7485 kHz, 06-06, 1659 UTC

383 382 382 00000

10423 kHz, 06-06, 1800 UTC

058 297 55 = =
06759 65583 05284 94374 31390 92243 90380 50215 19305 60068
94081 08334 91448 46023 37433 29988 09262 08064 38991 26879
00842 09709 06465 63116 89556 56830 89398 62373 48525 63829
78822 49891 29424 91402 64814 84045 39039 23073 87910 57139
62018 72676 45300 70137 53246 40000 37744 10995 48286 56744
68151 91305 65328 90006 27756
= = 297 55 00000



M89

Chinese military

Roundslips

V 5RAB 5RAB 5RAB DE M9AB M9AB
V A7TR A7TR A7TR DE DI9Q DI9Q
V 7NPE 7NPE 7NPE DE QV5B QV5B
V 8CPZ 8CPZ 8CPZ DE XW6W XW6W
V 8DKB 8DKB 8DKB DE ODY8 ODY8
V BNGC BNGC BNGC DE XSV85 XSV85
V BRH0 BRH0 BRH0 DE 8NGG 8NGG
V CQ CQ CQ DE DP91 DP91
V DKG6 DKG6 DKG6 DE 3A7D 3A7D
V DP9J DP9J DP9J DE CQ CQ
V EI0B EI0B EI0B DE JHG2 JHG2
V GKLO GKLO GKLO DE TYUI TYUI
V GKN7 GKN7 HKN7 DE F3J5 F3J5
V H2FL H2FL H2FL DE DRV8 DRV8
V JKDJ JKDJ JKDJ DE SLBC SLBC
V M8JF M8JF M8JF DE RIS9 RIS9
V MW3D MW3D MW3D DE 2SLC 2SLC
V N4FM5 N4FM5 N4FM5 DE NAT491 NAT491

V Q5U8 Q5U8 Q5U8 DE 8QPP 8QPP
V QHV8 QHV8 QHV8 DE 8QPP 8QPP
V RA5J RA5J RA5J DE BP2S BP2S
V RXP7 RXP7 RXP7 DE CZT2 CZT2
V S2LZ S2LZ S2LZ DE YBA6YBA6
V SR3H SR3H SR3H DE FGH8 FGH8
V SXL6 SXL6 SXL6 DE 9QFZ 9QFZ
V TKLO TKLO THLO DE TYUI TYUI
V VTX7 VTX7 VTX7 DE TZ7B TZ7B
V WZG6 WZG6 WZG6 DE 4VTG 4VTG
V YUQW YUQW YUQW DE ASDF ASDF
V ZRM7 ZRM7 ZRM7 DE LCM0 LCM0
VVV Q2M Q2M Q2M DE NYZ NYZ
V 6TRW 6TRW 6TRW DE J9NS J9NS
V 8PEX 8PEX 8PEX DE T15F T15F
V TY9D TY9D TY9D DE EOX2 EPX2
V PGG9 PGG9 PGG9 DE MI6Y MI6Y

Messages:

5214 kHz, 06-06, 2129 kHz

P8KI QSA 3 K
QSA 3 FOR QRJ ? K
FOR QRJ 3 K
R K
BJ1R DE M7MI QSA ? K
VVV M7MI DE BJ1R QSA 1 QSA ? K
QSA 2 FOR QRJ ? K
FOR QRJ 2 K
R K
BOSZ DE M7MI QSA ? K (2130
BOSZ QSA 2 FOR QRJ 2 QSA ? K
DE ? K
DE BOSZ K
QSA 2 FOR QRJ ? K
FOR QRJ 2 QSA 2 K
QSA 2 K
R K
ZLF4 QSA ? K
M7MI DE ZLF4 QSA 2 QSA ? K
QSA 1 K
OK K
R K (2132z - Silent)

6770 kHz, 06-06, 0208 UTC

CQ (x3) DE DP91 (x2) V (Cont'd)
ASE YK DOB TC
ASE YK DOB . TC
HR FREQ WK AHR NIL SK GB
PSE YK DOB Y TC HR FREQ WK AHR NIL SK GB
ASE YK DOB U HR TC FREQ WK AHR NIL SK GB
ASE YK DOB Y TC FREQ WK AHR NIL SK GB
DP7691 QSA 2 U?
DP7691 QSA 2 U ?
DP7691 QSA 2 U ?
DP7691 QSA 2 U ?
DP7691 QSA 3 NIL
NIL SK SK
GB GB (0215z) - Silent)

6770 kHz, 07-06, 0201 UTC

This frequency was used by DP91 last night!

N4FM5 (x3) DE NAT491 (x2) V
T4? 6 =
35 II 3T4 ? 3DN4 ? ATA 74TA6 FM 5 III =
T? ATA N7TU ? =
FM ANU T4 ? 6 =
35 III 3T4 ? 3DN4 ? ATA 74TA6 FM 5 III =
T? ATA N7TU ? = FM ANU T4? 6 =
35 III 3T4 ? 3DN4. ? ATA 74TA6 FM 5 III =
. ? ATA N7U ? . FM UNUA4 ? .. =
35 III 3T4? 3DN4 ?
APSE Y. JPV TC H. FRQ ...
PSE YK JP4 TC HR FREQ W..
PSE YK JP4TC HR FRQ WK AHR NIL SK GB
DP8191 QSA 3 U ?
FM ?
DP8191 QSA..
DP81 NJ DP8191 QSA 3 NIL
DP8191 SK
DP8191 GB (0214z)
DP7891 QSA 2 NIL
R DP7891 SK
DP8091 QSA 2 .. (Zero sent at letter O)
DP8091 QSA 2 U ?
= DP8091 QSA 2 U ?
AR
DP6891 QSA 1 QSY 821. (Checked 821. But not heard)
= DP8091 QSA 2 U ?
=
DP8.91 QSA 2 U ?
= DP8091 QSA 2 U ? (0217z - Silent)

8676 kHz, 08-06, 0958 UTC

CQ (x3) DE DP91 (x2) V
PSE PSE YK JJPP CC. TO HR FRQ . NIL SK GN
PSE YK JJPP CC YK TO HR FREQ AHR NIL SK GB (1008z - Silent)

6812 kHz, 06-06, 1609 UTC

i.p. Ex 0006 = LDDO/50GS II R 1635/EX 0006 =
LDDO/50GS III R 1635/EX 0006 =
LDDO/50GS QSY 03 QSY 03
VVV (1610z - Silent)

6842 kHz, 06-06, 1613 UTC

i.p. 0012 = H7JB/K9L4 AR
F NR 6092/EX 0012 =
E17JB EEEEE= 57JB/K9L4 AR
F NR 6092/EX 0012 =
H7Jb/K9L4 AR QSY LW QSY LW VVV (1614z - Silent)

6954 kHz, 06-06, 1605 UTC

D643 4T64 UAN4 354A UANN (Cont'd - 1605z)
III = U6D3 N575 U436 T5T4 (Cont'd - 1608z)

5112 kHz, 07-06, 1336 UTC

i.p. 31 CK 79 71 0607 2100 RMKS 1558 TO 1558 27 K K =
AU4. A47D N3DT UDT3 56TA (Cont'd)
AR K K
R GA
R QSL 2150 2150 K K (1348z - Silent)

5173 kHz, 07-06, 1332 UTC

N537 5U6D 47A6 D5A6 (Cont'd)
AR K
RPT
RPT 45W = 5367 5367 K
OK GA (Other station located on 5112)
R R QSL 2149 QSL 2149 EEEE QSL 2142 QSL 2142 (
R MSG . 322 CK 77 .8 0607 2100 RMKS 1558627 TO 155852. =
=
U7TA TADU 5T46 U.UD T4N5 (Cont'd)
AR

5243 kHz, 07-06, 1404 UTC

T RMKS 1864791 TO0 1864794 K =
45DA 73T6 37UD T45U 4NT6 (Cont'd)
AR QSL ? K
GA

5280 kHz, 07-06, 1404 UTC

T6N5 U643 3U.6 U34T (Cont'd)
AR
MSG NR 4324 CK 79 68 0607 2150 RMKS 1558527 TO 155829 =
RMKS 1558527 TO 1558529 K = = = =
U74T UD75 DN76 (Cont'd)
AR K

5646 kHz, 09-06, 2021 UTC

NQSL 0419 K
N HR MSG NR YL/95 K
R ARV9 DE RQE7 R QSA 2 QSA ?
R QSL 0422 K
WK NR OCNTEEEEEEEE R HR WK NR OC/95 K
R ARV9 DE 2DQI R QSA 2 QSA ? K
R QSL 0424 K
HR WK NR ALT/98 K
ARV9 DE .LE9 R QSL EEEEE ARV9 DE .LE9 R QSL 2 QSA ? K
(The missing letter in the callsign sounded like a barred E)
R QSL 0426 K
R HR WK NR L2T/92 K
N AR49 DE OSFI R QSA 2 QSA ? K
R QSL 0427 K
R HR WK NR HM/95 K
N OK (2028z - Silent)

8676 kHz, 09-06, 1000 UTC

CQ (x3) DE DP91 (x2) V
ALL CY MM SGB E E
ALL CY
FM MS PSE ALL CY MSG E E
791 OK
SGRR MSG NR 011CK 42 6 .0. 0 0 800 = (Sending letter O for zero)
S. 011 CK .26. 05 .
MSG 011 CK 42 00.0. 28.. = = = =
.TU. NUU6 N534 N... T. 7455 N6D5 T6U6 ND7. ND6.
N5AA NUN4 N3A3 N4D. NA36 T5N3 6T33 4N44 N47U
NA.N 5UD6 N7UU N... .. T4 NUU6 UD63UD6 N36.
.... N6D5 T6U6 N5AA NUN4 T7UA AR AR
14 14W (Another station)
III 3 III III 52..
3W 3W 3W E E E TT E
4W
TC TC
NUU6 NUU6 AR
T21W 21W (1018z)
21W 21W
TC 21W TC 21W = = = T5.. AR
35W 35W 35W
35W (1021z - Silent)

5632 kHz, 09-06, 2032 UTC

VV NXS4 NXS4 DE NXMA K
VV NXS4 NXS4 DE NXMA NXMA K
VV SGE3 SGE3 DE NXMA NXMA K
VV NXS4 NXS4 DE NXMA NXMA K
R QSA 3 QSA ? K
R IEC = .6RF AR K
R OK AS AS
VV SGE3 SGE3 DE NXMA NXMA K
R QSA 3 QSA ? K
R IEC = RGC4 AR K (2036z)
R OK AS AS
HR F GA HR F GA
F NR 6119/EX 0436 RMKS CQ =
A6D4/E4R5 AR
F NR 6119/EX 0436 RMKS CQ =
A6D4/E4R5 AR
F NR 6119/EX 0436 RMKS CQ =
A6D4/E4R5 AR
VV KU2A KU EEEE
VV KU2A KU2A KEEEEEE
VV KU2A KA EEEEE
VV KU2A DE NXMA K (2040z)
R QSL ? K
R OK AS AS
VV NXS4 NXS4 DE NXMA NXMA K
R QSL ? K
OK AS AS
VV SGE3 SGE3 DE NXMA NXMA K
QSL ? K
R OK AS AS
HR 7G GA HR 7G GA
7G NR 6120 CK 79 25 0610 043 EEE
NR 6120 CK 79 25 0610 0443 RMKS CQ =
3N75 7U56 AUD7 N5U7 U675 U73N NT34 U3N7 56AT T4UD (Cont'd)

8676 kHz, 09-06, 0157 UTC

CQ (x3) DE DP91 (x2) V (10 minute callup)
PSE PSE PSE KK KK YYY
PSE PSE KK YYY FFF KK TC TC HR HR WK WK E
PSE PSE PSE K YYY FFF KK TC TC TCC HR HR HR WK WK WK WK
PSE PSE PSE KK YYY FFF KK TC TC HR HR HR WK WK WK W (0210z - Silent)

7777 kHz, 11-06, 2227 UTC

05 05 05 (Cont'd)
6DAU 35D S 35DU TAN3
U345 65T7 3NT7 4NA5 67D4
6DAU 35DUK N36NA47UTDT 5DTU3.A
U345 65T7 3NT7 4NA5 67D4
6DAU. EE DU 35DU TAN3
6TNA4 7UTD AT5DT.
U .34UN4A567D 7NT3 6A47 67NA 563D
DN4T AU5T 5DTN7536 UN6T U74D A74T3AUT45
4567 N6DA U536A A43N 73N5A73T U74D A453AUT. 4457DN6DU536AA43A
D64NA U4567DNTAUD34A5NAU5 6
7DT3 37NNE 6 5TU4A37TAT5UN74U7NA3456DD76NTU63NU
N356 74DA 5UTD 3A4T
U345 UN56 UN76 D37TA 3T6A756DNT5D47NDA43 3
D64N 53U4 3. U4567DTA6N5N4TA73N3A63NUTND 7T7D6U
U345 65T7 3NT7 4NA5 67D4 6TEE D.
6DAU
VV U345 65T7 3NT7 4NA5 67D4 6D12. K
(05 always sends lousy hand sent CW and normally sends traffic with no
spaces between the groups, so hard to determine what type of traffic is being
sent. Could this be some sort of tracking traffic?)
05 (Cont'd)
4744 3DU U345 0 III = TI
05
U345 65T7 TA
U345 III = = T
05 (Cont'd)
A55 DE 0646 IEC 6544064 CQ YBY K
(IEC normally associated with exercise traffic)
R QSL EEEEEEEE
SKVA.. S EEEE
VV NTQO O .. DE R QSL 555

3436 kHz, 10-06, 1354 UTC

64 60 0610 2150 RMKS 9239 TO 9.38 K
R OK =
U4T6 A3D5 4U3T 5437 67D5 TDUU D4A3 (Cont'd)
AR K
R RPT 59W = 6UNT AR K
R GA K

5086 kHz, 10-06, 1636 UTC

YK7X DE M2Q...
VV NR 1937/EX ..318 RMKS CQ =
A1J2/C.N AR AR
VV FF NR 1937/EX DIME 203 RMKS CQ =
A.B2/C. AR
W5.F K K
28. 2037 AR K
NP TIME .. 2.37 ... = 0037 EEEEE
RPT TIME = = 0037 0037 AR K
OK IJAR IJAR K K
YK7X K K
K K K
.. CY
MSG MSG NR 1.. CK 61 6. 0610 0030 RMKS CQ
MSG NR 193. CK 61 68 0610 0030 RMKS CQ AR =
5N46 ...

5260 kHz, 10-06, 1652 UTC

DU6T T64T A57D NUA6 4AAT D55T 4TT6 (Cont'd)
III III = = = = = = = = = = = =
36UT U6U5 AD57 DA34 6U4A D36N N453 (Cont'd)

8676 kHz, 09-06, 1000 UTC

CQ (x3) DE DP91 (x2) V
ALL CY MM SGB E E ALL CY
FM MS PSE ALL CY MSG E E
791 OK
SGRR MSG NR 011CK 42 6 .0. 0 0 800 = (Sending letter O for zero)
S. 011 CK .26. 05 .
MSG 011 CK 42 00.0. 28.. =
= = =
.TU. NUU6 N534 N... T. 7455 N6D5 T6U6 ND7. ND6.
N5AA NUN4 N3A3 N4D. NA36 T5N3 6T33 4N44 N47U
NA.N 5UD6 N7UU N... .. T4 NUU6 UD63UD6 N36.
.... N6D5 T6U6 N5AA NUN4 T7UA AR AR
14 14W (Another station)
III 3 III III 52..
3W
3W 3W E E E TT E
4W
TC TC
NUU6 NUU6 AR
T21W 21W
21W 21W
TC 21W TC 21W = = = T5.. AR
35W 35W 35W
35W (1021z - Silent)

8676 kHz, 11-06, 1000 UTC

CQ (x3) DE DP91 (x2) V (Cont'd)
PSE YK P. J YK TC FREQ WK A HR NIL SK GB
PSE YK PKJ YK TC FREQ WK AHR NIL SK GB

5576 kHz, 10-06, 1420 UTC

N6A4 D4A5 6U3A NDT5 T64A TDAN ANTD (Cont'd)
RPT 54W K
RPT 6W K
R RPT 6W K
R OK QSL 2231 K
R 7G NR 8421 CK 67 49 0610 2150 RMKS 9232 TO 9237 = =
ADU4 D4N7 ND3U 7? 73N6 D56U ATN3 A645 T3N6 U36D D63T (Cont'd)
AR K (Repeats groups)
R KP

5665 kHz, 10-06, 1403 UTC

A4TD 63DU NUD3 TAD5 6UD5 6TAD 6ND3 (Cont'd)
III AR K AR K
HR HR HR HR HR NR
HR 7G GA EEEEE
HR 7G GA PSE CY K K
R R 7G
7G GA AAAA7. 3EEEEEEEE
HR 7G GA PSE CY K
R R (1408z)
HR 7G GA PSE CY K K
R R GA
R R 7G NR 504
7G NR 5042 K NR CCK CK CK CK 71 C 7G EEEEEEEEE 80 10 EEEEE 1234567890
QSA QSA ?
QSA 2 QSA ? K
7G NR 5040 CK 71 88 0510 2240 RMKS 1005 TO 1006 K EEEEE (1413z - Silent)

5691 kHz, 10-06, 1416 UTC

TDUT 4T3D 675U 35U7 7A53 647N 67D3 (Cont'd)
AR = = A354 A354 AR
= = U3NA U3NA AR (Cont'd repeat groups)
R R GA

5532 kHz, 10-06, 1424 UTC

R HR MSG GA K
R MSG GA NR 2679 CK 80 78 0610 2130 RMKS 1330486 TO 1330481 =
374N U7N4 U3T6 3.74 74UN 43T7 T64A U7T4 73T5 (Cont'd)
AR QSL ? K
R OK R (1428z – Silent)
7548 kHz, 10-06, 0234 UTC

R FF / NR 5261/EX 1040 RMKS 1330580 TO 1330585 =
SE/AZ AR
F H/X NR 5261/EX 140EEEEEE
FF/ NR 5261/EX 140 RMKS 1330580 TO 1330585 =
SE/AZ AR K
R OK
10451045 K
MSG GA K
R H MSG GA NR 5262 CK 72 38 0610 1030 RMKS 1330580 TO 330585 =
U4N7 UD3A 564NT4AN 35A6 75T4 DN4T (Cont'd)
AR
K
R MSG GA

5531 kHz, 05-06, 2116 UTC

HR 7G
NR 5933 CK 79 150606 0500 RMKS 1864792 TO 1864793 K
R =
5DN3 74DA T6N5 D36N (Cont'd)

5581 kHz, 05-06, 2112 UTC

U5D6 47.N NA6T 6UDT (Cont'd)
= GEB NU 54N3 C =
76NA .4N3 AR K
R AS
GA K

8621 kHz, 05-06, 1225 UTC

QSL ? K
R OK AS
VVV 2E5R 2E5R 2E5R DE SF5X SF5X K
R QSA 2 QSL ? K
R K
ALL CHG USB WK ALL CHG USB WK (1227z – Switched to voice)

5664 kHz, 04-06, 2110 UTC

7G GA NR 6048 CK 61 23 060. 0500 RMKS 7338 TO 7332 K
R NR =
6EEEE =
6938 K
R GA = (Other station on 5687)
UD.5 7D34 N7.T U675 (Cont'd)

5639 kHz, 03-06, 1807 UTC

5T37 TD67 6U43 TDNA AT53 (Cont'd)
AR (1809z)
R RPT 35W = 7A3D AR K (cont'd repeat groups)
GA

5663 kHz, 03-06, 1805 UTC

7G NR 260 EEEE
MSG NR 2626 CK 61 48 0604 0250 RMKS 7335 TO 7338 K K
NR OK 7G
NR 1W =
DT EEEEE =
AUT4 T.D7 6A73 4U3D 756U (Cont'd)

5789 kHz, 10-06, 1442 UTC

TO 1330030 = ... (Faded out)
NR 1670/EX 22 .RMKS 10400335 RMKS 1340932 TO 133003.6
.../RD7 AR K
OK
RMKS 1330032 TO 1330030 =
A7T3 37A4 6A5T (Cont'd)
AR K
R GA

5797 kHz, 10-06, 1440 UTC

i.p. HR MSG NR 6259 CK 7. 23 0610 2230
RMKS 1330162 TO 1330.63 =
4635 4TA7 5DA4 D573 T453 DAN4 (Cont'd)

7521 kHz, 10-06, 0234 UTC

83 TO 1330589 =
D3R/U1F
FFF NR 1712/EX 1038 RMKS 13305 TO 1330589 =
D3R/U1F
FFF NR 1712/EX 1038 RMKS 1330583 TO 1330589 =
D3R/U1F AR QSL ? K
R U GA

4682 kHz, 05-06, 1553 UTC

TA6A T563 5357 73DU 5ANN N.A3 6DTT (Cont'd)
III 12P = =
ANA3 UNDD D5TU 6TN4 UUDN (Cont'd)

5197 kHz, 05-06, 1546 UTC

UNN5 III III III = = =
7AA7 A6UN AATU (Cont'd)
III III III = = =
534U N36N UD74 (Cont'd)

5546 kHz, 05-06, 2107 UTC

CK 70 42 0606 0500 RMKS 1864682 TO 1864681 EEEE
NR 4023 CK 70 42 0606 0500 RMKS 1864782 TO .864781 K
=
U..4 .TD4 U5N3 3ND4 (Cont'd)
AR QSL ? K

8346 kHz, 05-06, 1050 UTC

347D DAN3 7435 54DN 74AU TD36 7D3U UND7 (Cont'd)
FM 6U3A AR E K
R RPT 45R EEEE RR RPT 45W = 2143 2143 AR K
EEE RR RPT 46W = 2794 (Cont'd repeat groups)
EEE AS EEEE AS EEEE AS
EEEE R RPT 50W = 097A EEEE R R RPT 50W = 0978 0978 AR K
ER ER OK (1101z - Silent)

5663 kHz, 04-06, 2105 UTC

R GA (Both station on this frequency)
NR 2692 CK 61 23 0605 0500 = RMKS 7335 TO 7331 K
= = =
4ND. 764A 6TUD TBU4 (Cont'd)
AR

5681 kHz, 04-06, 2120 UTC

MSG 1384 CK 79 15 0605 0500 RMKS 1864793 TO 1864792 K
=
BD37 N674 D356 7AUD NATN 6TD4 573D (Cont'd)
AR QSL K
NPT 09W = NATN NATN AR K

5686 kHz, 03-06, 1732 UTC

43ND N537 TD5D (Cont'd)
AR
0194 .194 940 ? EEEEE
N4A EEEEEEE CRT64 W 0853 0853 QSL ? K
R QSL 013. QSL 0132 K
OK
HR R OK (1734z – Silent)

5706 kHz, 03-06, 1724 UTC

5UDA U5NN 73TD TU45 7ND3 (Cont'd)
AR QSL ? K
R RPT 15W 8493 8493 K
R RPT K (Cont'd repeat groups)
R OK
R OK (Switched to voice)

6368 kHz, 03-06, 2049 UTC

R R QSA 2 K
QSL 04.0 K
R HR NR 102 K
ERE DE ... K
R QSL 0455 K
... NR 422 K
NIL SK GB

6854 kHz, 03-06, 0223 UTC

NU6A TAND D5UA AD6U 34U6 7DN3 (Cont'd)
CQ QSL ? K
R RPT 21W 54N3 54N3 K (Cont'd to repeat groups)
(Other station on this frequency, but mostly unreadable)
HR NIL SK

6852 kHz, 03-06, 1219 UTC

AD7D 4A56 ? ? EEEEE
=
A3DT U7D4 A56T (Cont'd)
AR
R QSA 2 QSL ? K
RPT K (outstations on different frequency)
R OK RPT 01 EEEE RPT TAW EEEEE
R RPT TA. W EEEEE R OK RPT TAW T3 EEEEE
R OK RPT 01W TO 03W = A3DT U7D4 A56T A3DT U7D4 A56T AR K
R OK AS
VVV 2D3T 2D3T DE SF5X SF5X K
A QSA 2 EEEE R QSA 2 QSL ? K
AS AS
5HYB DE SF5X K
R OK QSA 2 QSL ? K
R OK AS AS
VVV 9HUJ DE SF5X K (1228z)
R QSA 2 QSL ? K
R OK AS AS
VVV 2EHR DE SF5X K
RPT K
R OK
AL AL CHG USB USB
ALL ALL CHG USB WK

6788 kHz, 02-06, 0232 UTC

MSG NR 003 CK 79 32 0506 RMKS 1864793 TO 1864794 =
BDT7 D4N7 DN74 U3A7 .AN4 ..3D 3T5N 6U7T (Cont'd)
AR QSSL ? K
HR WK NR L2T. EEEE WK NR D20/91 K

5687 kHz, 04-06, 2110 UTC

R R OK QSL 0514 K
HR MSG GA K
RR MSG NR 6046 CK 61 23 0605 0500 RMKS 7331 TO 7335 K
R R 1W = = (Other station on 5664)
A4UT 3754 AUTD TU37 34TN 3TAU 47TD U35T 3AUN UT37 (Cont'd)
K
R R 21W = 754D 7436 AU.7 463N (Cont'd)

5281 kHz, 03-06, 1802 UTC

84186
RMKS 864 EEEEE
RMKS 1864160 TO 186418 EEEEE
RMKS 1864160 TO 1864168 =
36U7 DA57 U7AD 637U A7D5 6UA7 (Cont'd)

5489 kHz, 03-06, 1736 UTC

DT54 765T 3DA7 54DN D7U3 (Cont'd)
AR (1738z)
RPT 45W 3T7N 3T7N K (Cont'd repeat groups)
R R R (1740z – Silent)

5717 kHz, 03-06, 1726 UTC

RMKS 0754 TO 0707 =
TU = (Handsent)
55J0/K7L4 AR =
= H5./K7L4 AR =
X = HR J0/K7L4 AR K K
OK OK
C HR NR 864 EEE NR 864 K
OK OK (1729z - Silent)

6852 kHz, 03-06, 1219 UTC

CK 72 38 0603 2000 RMKS CQ =
AD7D 4A56 ? ? EEEEE
=
A3DT U7D4 A56T (Cont'd)
AR
R QSA 2 QSL ? K
RPT K (outstations on different frequency)
R OK RPT 01 EEEE RPT TAW EEEEE
R RPT TA. W EEEEE R OK RPT TAW T3 EEEEE
R OK RPT 01W TO 03W = A3DT U7D4 A56T A3DT U7D4 A56T AR K
R OK AS
VVV 2D3T 2D3T DE SF5X SF5X K
A QSA 2 EEEE R QSA 2 QSL ? K
AS AS
5HYB DE SF5X K
R OK QSA 2 QSL ? K
R OK AS AS
VVV 9HUJ DE SF5X K
R QSA 2 QSL ? K
R OK AS AS
VVV 2EHR DE SF5X K
RPT K
R OK
AL AL CHG USB USB
ALL ALL CHG USB WK

6854 kHz, 03-06, 0223 UTC

NU6A TAND D5UA AD6U 34U6 7DN3 (Cont'd)
CQ QSL ? K
R RPT 21W 54N3 54N3 K (Cont'd to repeat groups)
(Other station on this frequency, but mostly unreadable)
HR NIL SK
NIL SK

4062 kHz, 02-06, 1933 UTC

RPT 2W 04W K
= = 7?57D6 ? 57DA 57DA 57DA K
RPT
GA K
RPT 47W K
RPT 48 = KK (Cont' repeat groups)
QSL 0343 K
TO TO (1943z - Silent)

6667 kHz, 02-06, 1558 UTC

R 4PHA DE J2ZN R QSA 2 QSA ? K
R 4PHA DE J2ZN QSA ? K
RPHA DE J2ZN R 4PHA RP
R 4PHA DE J2ZN R QSA 2 QSA ? K
R QSL 2222 K
R R
4PHA DE J2ZN
R AR4PHA DE J2ZN R QSA ?
R 4PHA DE J2DN R QSA 2 QSA ? K
R QSL 1111 K
R 4PHA DE J2ZN R QSA 2 QSA ? K
R QSL 1111 1111 K
R PHA DE J2T EEEE
R 4PHA DE J2ZN R QSA 2 QSA ? K
R QSL 1111 K (1602z - Silent)

7941 kHz, 02-06, 1825 UTC

HR MSG GAK
MSG NR 2046 CK 67 77 0603 0150 RMKS 5165061 TO 5165060 = (Machine sent)
AD3U 5TDA 53A4 76D3 A4D6 D645 36N7 4UA3 6TDU UA7D TN5U 3U7T (Cont'd)
AR K
OK U GA
R GA
R RPT 8W K
R QSL 0239 K
R SK GB SK GB

7968 kHz, 02-06, 1841 UTC

012/ZORE B OK
R R QSL 0242 K (Both stations on this frequency)
OK .. k
R R F NR 040/EX 0242 RMKS 9816 TO 9138 K
R R GA K (1841Z0
= = C4TSE EEEEE
= = C4T5/Y.U8 K
R QSL 0243 K
OK 7G GA K
GA
NR 15/CCK CK 60 59 0603 0244 RMKS 911UEEEEE RMKS 9138 TO 9816 K K
GA = = =
U7N. NAT N3D4 E.. (Cont'd - horrible CW)
R QSL 0250 K
OK K
HR 7G GA K
R GA K
R 7G NR 041/CCK CK 60 59 0603 0250 RMKS 9816 TO 9138 K
R GA K
1W = = (handsent)
A547 736T 643N 37A4 NT6D TADU (Cont'd)

7999 kHz, 02-06, 1705 UTC

RPT 20W K K
R RPT 58W K K
OK QSL 0.06 K K
MSG NR 6039 CK 79 60
MSG NR 5039 CK 79 67 0603 0100 = RMKS 4365857 TO 4365852 K K
= = = = (Machine sent)
U356 54U3 U7DN 4UN7 6NAU NT7A 437T TNUA .76N 35T6 (Cont'd)
AR K K
.D4T RR GA
R R GA

8676 kHz, 03-06, 0206 UTC

CQ (x3) DE DP91 (x2) V
PSE PSE, DDY DDY PP , , TC TC FREQ FREQ WK WK
PEPSE , DDY PP. TC TC FREQ FREQ WK
PSE PSE , DDY TW PP Q TC FREQ WK
PSE PSE TQDY P, T. FREQ WK
AHR NIL SK GB

5182 kHz, 02-06, 1542 UTC

576D DA3N 37N5 DNTA 73DD D6AN 4TU3 (Cont'd)
III = TNTD DNT7 673A 77U6 4D6D AN7U (Cont'd)
III = A4U6 7U3N 5UAD ANTU T4TT 5D33 TUD3 (Cont'd)
AR (1750z - Silent)

6532 kHz, 02-06, 0242 UTC

A657 3645 437. 43DA TN7D N3U6 (Cont'd)
AR QSL ? K
R QSL .38 K (Both stations on this frequency)
R QSL 1038 K
R HR WK NR CJ/91 K
R HR WK NR TC/98 K
NIL SK
N

6783 kHz, 02-06, 0229 UTC

TN47 D76N A34N 67NA 4T67 UA74 7DTU (Cont'd)
AR K
R GA (Other station found on 6788)
R QSL K
HR WK NR ALT/91 K

8470 kHz, 02-06, 0215 UTC

DN37 74ND ..7T 635D DN65 45D3 (Cont'd)
AR K
R GA
R GA
R TS
R AS
N QSL 1.22 K
HFES WK HFES WK (0222z - Silent)

10223 kHz, 01-06, 1213 UTC

4TAT 33A4 D575 73TA 55DN A4A4 (Cont'd)
III = TTAN 5774 NNUU 73UA T65T 55A6 U333 (Cont'd)
III = 34UN T5U6 4744 D555 A44T (Cont'd)
III = BD3N AR (1225z - Silent)

6798 kHz, 02-06, 0305 UTC

DHH2 DE F2MU K
R QSA 1 K
HR WK NR 22 K
R HR WK NR 11 K
R UJ200 C... 2
R HR KP U K
R VV
J2TR DE F2MU K
R HHP1 EEEEE
R SHP1 DE 8NNT R QSA 2 QSA ? K
QSA 2
R HR WK NR 22 K
R HR WK NR 16 K
R U 1200 COMM SHS2 K
R HR KP U K
R
VV CL8T DE F2T EEEEE
VV CL8T DE F2MU K
R SH.. DE SLM3 R QSA 2 QSA ? K
R QSA 1 K
R
HR WK NR 22 K
R HR WK NR 27 K
R U 1200 COMM CN7R K
R
HR KP U K
R
VV CN7R DE F2MU K
VV 8LQW DE V EEEEE
VV 8LQW DE V EEEEE
VV 8LQW DE F2MU K
HSP1 DE EEEE
R HRW1 DE DNT. R QSA 2 QSA ? K
R QSA 2 K
HR WK NR 22 K
R HR WK NR 24 K
R U 1200 COMM DLN9 K
R
HR KP U K
N
VV DLN9 DE F2MU K
VV DLN9 DE F2MU K
R HHP1 DE 8AZ. R QSA 2 QSA ? K
R QSA 2 K
R HR WK NR 22 K
R HR WK NR 16 K
R U 1200 COMM 8LQW K
R K
HR KP U K
R K (0315z - Silent)

8511 kHz, 02-06, 0208 UTC

TBXD DE EAY5 QSA ? K
IOK3 DE EAY5 QSA ? K
EAY5L DE IOK3 QSA 3 QSA ? K
QSA 2 K
QSA 2 K
OK K
R K
VEAZ DE EAY5 QSA ? K
PVA8 DE EAY5 QSA ? K
EAY5 DE PVA8 QSA 2 QSA ? K
QSA 2 K
OK K
R K
CTBX DE EAY5 QSA ? K
DE CTBX QSA 2 QSA ? K
QSA 3 K
OK K
R K (0211z - Silent)

8511 kHz, 01-06, 0202 UTC

VVV K
VVV 8SQA 8SQA 8SQA DE W4WO QSA ? K
7JB8 DE W4WO QSA ? K
R JK
DE ? K
DE W4WO QSA ? K
W4WO DE AGX QSA 3 QSA ? K
QSA 2 K
RPT K
QSA 2 K
OK K
R K (0206z)
AA.. DE W4WO QSA ? K
VV 7MFK DE W4WO
W4WO DE 7MFK QSA 3 FOR QRJ 3 K
QSA 2 K
OK NR K
YHBRDE W4WO QSA ? K
W4WO DE YHBR QSA 4 FOR QRJ 3 K
QSA 2 K
OK K
R K
SABA DE W4WO QSA ? K
RPT K
SABA DE W4WO QSA ? K
VV W4WO DE SABA QSA 2 QSA ? K
QSA 2 FOR QRJ ? K
FOR QRJ 2 K
R K
WVCB DE W4WO QSA ? K
IYOM DE W4WO QSA ? K
V2DA DE W4WO K
W4WO DE V2DA QSA 3 QSA ? K
QSA 3 FOR ? K
FOR QRJ 3 K
R K
2ESE DE W4WO QSA ? K
SZZT DE W4WO K (0211z)
W4WO DE SZZT K
QSA 2 QSA ? FOR ? K
QSA 2 FOR QRJ 2 K
R K
YIG1 DE W4WO QSA ? K
VVV YIGVEEEEE
VV W4WO DE YIGJ QSA 1 QSA ? K
QSA 3 FOR ? K
FOR QRJ 2 K
R K
HB2J DE W4WO K
RJQ (0213z)
R 4R EEEEE
W4WO DE VX2. QSA 2 QSA ? K
5B2J QSA 2 FOR ? K
FOR QRJ 2 K
R K
W4WO DE IA EEEE DE IYKM QUT 2 Q... K
IYKM QSA 2 FOR QRJ ? K
FOR QRJ 2
R K
2ESE DE W4WO K
W4WO DE 2ESE QSA 3 K
QSA 2 FOR QRJ ? K
FOR QRJ 1 K
R K
VV (0220z - Silent)

11014 kHz, 01-06, 2116 UTC

DE BD18 QSL ? K
BFIS 8 DE QRK5/4 QR. ? K
BD18 QSL ? K
NP RPT MSG MSG 3 R3 K
NPT RPT RPT /MSG MSG 7G /R3R3R3 K
OK K
NPT RPT RPT/MSG MSG 7G RR3R3R3 K K
OK OK
VVVV BD18
R C BFS 486 K
BD18
NPT .. MSG MSG 7G /R3R3R3 K
OK OK OK OK
De x18 C
BFS4 8 TI../4NR GA
BD18 QSL ? QSA ? K
BLRU CF. RPT K
NPT RPT RW.MSG MSG 7G .. K
PPP/CLE/73 P/CE ZE/740 K
NPT GA
PPP/CLE/73 73 K
NPT RPT RPT /MSG MSG 7G ... K
NW NW NW
GA GA G R3 R3 R3 K K
OK (2126z - Silent)

5412 kHz, 12-06, 2013 UTC

F NR 115/EX 0412 = D9F2/SBD9 AR
F NR 115/EX 0412 = D9F2/SBD9 AR
F NR 115/EX 0412 = D9F2/SBD9 AR
QSY LW VVV (2014z - Silent)

5738 kHz, 12-06, 1448 UTC

7633/EX 2253 RMKS = H34. 31 AR = /CD1/ AR
F NR 7633/EX 2253 RMKS = RMKS = 534 TO 531 AR = 652/CD18 AR K
R R (1454z - Silent)

7353 kHz, 12-06, 0217 UTC

UDUT 65AU N5TD 53UN NAD7 AR QSL ? K
NRPT ... (Other station on this frequency but mostly unreadable)
(Repeats groups)
R U GA K
NR AS
R GA
N RPT 066W TO 70W K
R RPT 11W K
R QSL 1020 K
R HR NIL SK

5455 kHz, 14-06, 1357 UTC

RMKS 1846161 TO 1846157 K
.6U7 DA57 U.. (Cont'd)
AR K
OK QS. GA GA K (1400z) (Other station found on 5496)
QSL 2230 K
R NR 2653 CK 72 71 0614 205 RMKS = 1846161 TO 1846157 AR K
3.UT U46N 5N7U (Cont'd)
AR K
R QSL ... K
RPT KP RPT KP

7815 kHz, 12-06, 0217 UTC

R QSA 1 IEC = GHIY EEEE R QSA 2 IEC = GHU EEEEE
R QSA 2 IEC = GHIY AR K
R HU EEEEE HR EEEEE HR F
F NR 5490/EX 1032 RMKS 1330792 TO 1330795 = D/J2 AR
F NR 5490/EX 1032 RMKS 1330792 TO 1330795 = D/J2 AR
F NR 5490/EX 1032 RMKS 1330792 TO 1330795 = D/J2 AR
QSL ? K
R OK QSY 24 K
QSY NR 36

5467 kHz, 14-06, 1401 UTC

DE P9MB K
R QSA 2 IEC MSG GA K
R HR MSG GA NR 3909 CK IIEEEEE
MSG NR 3909 CK 75 2 EEEEE
MSG GA NR 3909 CK 75 34 0614 2130 RMKS 1330168 TO 1330163 TU
046 736T 643N 37A4 NT6D (Cont'd)
AR QSL ? K
R OK . MSG GA K

5576 kHz, 14-06, 1428 UTC

QSL 2228 K
R MSG EEEEE MSG NR 8656 CK 68 49 0614 2150 RMKS 9232 TO 9237 =
AU53 6NAD TU3N 5436 7AU5 U54A (Cont'd)

3541 kHz, 13-06, 1720 UTC

RMKS 1330... TO 1330798 K
= UA3T AU7T 437D 74.. U36A (Cont'd)
AR QSL ? K (Repeats groups)
R OK

5734 kHz, 13-06, 2138 UTC

RMKS 13307870 TO 1330783 =
UD. ... AR QSL ? K
N OK U GA K
R QSL 0154 OK
N HR MSG GA
NR 3703 CK 7. .. 0614 0..0 RMKS 1330787 TO 133783 =
RMKS 1330787 TO 1330783 =
4U.A 7.5U N3.. (Cont'd - fading badly)

3330 kHz, 22-06, 1805 UTC

V MW3D DE 2SLC
UGT AR 5 = =
5018/.3..EEEE/0300/B19 K EEEE/.058. = =
5018/0300/B19/315. AR AR
V MW3D DE 2SLC

8676 kHz, 17-06, 0157 UTC

CQ (x3) DE DP91 (x2) V (Cont'd)
XSE E
XSE SE AR
XSE ALL LL TO HR
XSE ALL LL TO HR

4111 kHz, 24-06, 2055 UTC

AR = = DA56 A4DN U? U5NT T37D 36AT 5DU3 (Cont'd)
AS = = AN3D U3DA UN74 ? FF 45UT 563A 34AN (Cont'd)

10180 kHz, 22-06, 0006 UTC

V DKG6 DE 3A7D
AR QSL? HR WK NR 31
Return to V DKG6 DE 3A7D
V HR 7G GA NR .33/CCK CK 99 19 0622 1729 RMKS 6F EEEE RMKS 6FT EE
RMKS 6FS =
U736 435N U4T3 3DU6 (Cont'd)
AR QSL? HR WK NR 31
Return to V DKG6 DE 3A7D
VVV HR SVC GA
NR 130 1745 RMKS 426. TO 4374/4210 =
COMM/1830/LZ059A0/4268/4374 AR
QSL? HR WK NR 31
Return to V DKG6 DE 3A7D
VV HR SVC GA NR 08Z EEEEE
NR 087 1800 RMKS 4210 TO 4216 =
L/P830/Z=/4210/4216 AR
QSL? K HR WK NR 31
V DKG6 DE 3A7D

5496 kHz, 14-06, 1402 UTC

0614 RMKS 1846157 TO 1846151 K =
35TN 37D5 64.. (Cont'd)
AR K
R QSL ... K
MSG NR 4638 CK 79 .8 0614 2105 RMKS 186056 TO 1846151 = (Cont'd)
AR K

8676 kHz, 14-06, 0205 UTC

CQ (x3) DE DP91 (x2) V (Cont'd. Moved from 6770)
Pse PSE YK CC YK TC TC FREQ FREQ WK WK
PSE PSE YK CC YK TC FREQ WK
PSE PSE YK C YK TC FREQ WK PSE PSE YK C C YK TC FREQ WK
A HR NIL SK GB
DE DP7491 QSA 2 .. K (0209z - Silent)

6770 kHz, 15-06, 1000 UTC

CQ (x3) DE DP91 (x2) V (Cont'd)
PSE YK JW YK TC HR FREQ WK AHR NIL SK GB
PSE YK JW YK TC HR FREQ WK KAHR NIL SK GB
PSE YK JK PSE YK JW YK TC HR FREQ WK AHR NIL SK GB
PSE YK JW YK TC HR FREQ WK AHR NIL SK GB
PSE YK JW YK TC HR FREQ WK AHR NIL SK GB
DE DP6991 QSA 3 U ? K
DP6991 QSA 3 U ?
DP6991 QSA 3 NIL NIL
DP6991 SK SK GB GB

6770 kHz, 18-06, 1002 UTC

CQ (x3) DE DP91 (x2) V (Cont'd)
PSE YK FV YK TC HR FREQ WK AHR NIL SK GB (x4)
DP91 DP91 DP91 . Q..
DP7791 QSA 2 .. NIL SK
GB GB (1013z - Silent)

8676 kHz, 17-06, 0957 UTC

CQ (x3) DE DP91 (x2) V (Cont'd)
PSE PSE YK KK BB JJ YK TC FREQ WK (x3)
HR NIL SK GB

6666 kHz, 23-06, 1250 UTC, i.p.

AGN K R
FF NR 23/EX 2052 RMKS 7361 TO 4914 =
HUP5S/YCJM7 AR K
FF NR 23/EX 2052 RMKS 7361 TO 4914 =
HUP5S/YCJM7 AR K
R SK GB

8020 kHz, 28-06, 0210 UTC

VV H6DJ K. VV FJ7F K
R QSA 2 K
IEC = 5.87. AR K
R17Z K
R VV F.G VVV FJ7F K
R VV ... DE
R . IEC = 5874 AR K (0213z) (Normally associated with exercise traffic)
IEC = 5874 AR K. R IEC = 5874 AGN IEC = 5874 AR K
HR NR NOT
AGN AGN
R AS
VV ZCB3 K
R AGN QSA 2 K
R IEC = .436 K
AGN
R HR NR NOT K
VV K
DE
QSA 2 K
R IEC = .663 AR K
R AR NR NOT K
R AS
VV HV1W K. DE DE DE K
R QSA . AGN QSA 2 K
R IEC = 1310 AR K. R IEC = 1310 AR K
R HR NR NOT K
AGN
VV HBDJ K
DE
R QSA 2 K
R IEC = 3336 AR K
R HR NR NOT K
VV FD4G K
K HR 7G GA HR 7G GA
7G NR 052/CCK CK 55 01 0628 1000 RMKS CQ
7G NR 052/CCK CK 55 01 AGN
7G NR 052/CCK CK 55 01 0628 1000 RMKS CQ
T.5. TA63 U443 U65A 4A7D N756 (Cont'd - machine sent)
AR
VV H... K
AGN
R QSL ? K
R 54W = 5A5. AR K. R AR K
R 54W = 35T.. AR K. R 12W = 4A35 AR K
R 17W = D53A AR K. AGN R 7W = 576A AR K
AGN 6W = N756 AR K
AGN R
4FT5 K
R QSL ? K
AGN AGN
AS
R 3W = U443 AR K
VV A56S K
VV G.B. K
R K VV K
R QSL ? K
VV LJ.P K
R QSL ? K R
AGN 51W R 51W = 3773 AR K
R R SK
VV ZCBI K
DE
R QSL ? K
R 20W = 4TU5 AR K
R SK
VV =S5 K
DE
R QSL ? K
AGN R SK
VV HV.. VV HV1W K
R QSL? K
R SK (0242z - Silent)

6815 kHz, 28-06, 0301 UTC

R HR WK NR 29 K
R U1200 COMM GLOX K
R
HR KPU K
R OK
VV B9QS DE HPU9 K
R QSA 1 K
HR WK NR 23 K
F EEE R U 1200 COMM F7QU K
HR KPU K
VV F7QU DE ..UO
R C09Q DE J3S2 R QSA 2 QSA ? K
R QSA 1 K
R HR WK NR 23 K
R HR WK NR 07 K
R U 1200 COMM B.. K
R HR KPU K R
VV OLNZ DE HPU9 K
R C09Q DE D0R2 R QSA 2 QSA ? K
R QSA1 K
R HR WK NR 23 K
R HR WK NR 11 K
R U 1200 COMM OLU EEEEE RU 1200 COMM OLPX K
HR KPU K
R
VV OLPX DE HPU9 K (0306z)
R C09Q DE 55M7 R QSA 2 QSA ? K
R QSA 1 K
R HR WK NR 23 K
R HR WK NR 16 K
R U K.. 00 COMM LN2 K
R K
HR KPU K
R OL
VVV B10T DE HPU9 K
R C09Q DE 8KQX R QSA 2 QSA ? K
R QSA 1 K
R HR WK NR 23 K
R HR WK NR 33 K
R QSA EEEEE R U 1200 COMM 85MR K
R KPU K
R OK
VV 8HQD DE HPU9 K
R C09Q DE CL8W R QSA 2 QSA ? K
R QSA 1 K
R HR WK NR 25 K
R U 1200 COMM BJ0T K
OK
KPU K
R
VV J4MX DE HPU9 K
R C09Q DE GL5V R QSA 2 QSA ? K
R QSA 1 K
R HR WK NR 23 K
R HR WK NR 32 K
R HR WK NR 32 K
R U 1200 COMM F1PR K
R HR KPU K
R
VV F1PR DE HPU9 K
R C09Q DE DMP9 R QSA 2 QSA ? K
R QSA 2 K
R HR WK NR 23 K
N HR WK NR 18 K
R U 1200 COMM JV.. K
R HR KPU K
R OK
R R OK (0314z - Silent)

4532 kHz, 26-06, 1008 UTC

NR 59/EX 1800 RMKS CQ = GKT7 AR
QSL ? HR WK NR 319 K
R 8QYX QSL .. 809WD NR 61AR
NR PK QSL . 1809 HR WK NR 306 AR
DE HWLA QSL DG 0809 HR WK NR 624 AR
2XNTG 1810 WK NR 121 AR
R DE 2SXF QSL 0818 10W NR 205 AR
R R DE FZ47 QSL 01810 WK NR 15 AR
R D .. 82QSL N.. 810 NR 739 K
R R DE ANRV QSL 0.1810 WK NR 413 K
R R .. 81.. NR 18 AR
QT. QSL 01810 WK NR 553 AR
O... DE .V82 K
R R QSL ? K
R Q.. HR WK NR 624 AR K
R R PTNR K
NR 624 K
R NIL VA
OK (1015z - Silent)

8888 kHz, 29-06, 1108 UTC

05 05 05 (Cont'd)
= = =
U345 7334 57DN AUU3334 5. DN (1118z)
05 05 05 = =
AU
3345676DN T 3333 345 =
67657DNAU34567655
05 05 05 05 (Cont'd)
= VVV VVV 7UDP...
HR NR 216 K K
VVVV 60.... (Two stations on top of each other now - 1122z)
7G NR 30..8 CK 90 6. ...
(Both stations now interfering with each other - unable to copy now - 1124z)

10180//5801 kHz, 25-6, 0122 UTC

NR 0970 930 RMKS 4210 TO 4399 =
COMM/1000/XZ085/59/4218/4399 AR AGN
NR 0970 930 RMKS 4210 TO 4399 =
COMM/1000/XZ085/59/4218/4399 AR
QSL ? HR WK NR 35
7G GA NR 25/CCK CK 45 19 0625 0930 RMKS 4260 TO 2292/2692
66/4210/4403 =
U7T6 75AD A364 AN7U 5UAT 54N3 57NA N45D AN3D (Cont'd)
AR K = =
U7T6 75AD A364 AN7U 5UAT 54N3 57NA N45D AN3D (Cont'd)
AR QSL ...
HR SVC GA NR 091 00 RMKS 4210 TO 4190 =
CL/1030/ZBT/4210/4190 AR
QAH SEEEE QSL ? HR WK NR 23

5418 kHz, 26-06, 1235 UTC

IEC = .N4. AR
IEC BT 5851 K K (1250z) (Normally associated with exercise traffic)
R GA K
NR 029 1930 .RMKS =
84.6. 3646 .. = =
HAT2/30 . K (Fading badly - 1252z)

6666 kHz, 26-06, 1235 UTC

U43U U67N 454D 6DND T6U6 (Cont'd)
AR K
R = = = = T3UA A3D3 4A36 3T46 (Cont'd)

10180 kHz, 26-06, 0201 UTC

/XZ085/52/4218/4204 AR
QSL ? HR WK NR 31
SVC GA NR 16 NR 1 NR 10 1100 RMKS 4210 TO 4383 EEEE
RMKS 4210 TO 4383 EEEE RMKS 4210 TO 4382 /4300 =
CL/2 EEEEE = CL/1030/... /4210/4382 AR EEEEE
AR QSL ? HW WR WK NR 31 (Return to roundslip - 0202z)

5555 kHz, 28-06, 0846 UTC, i.p.

67DN AT U3 45
67DN AT UT 3T4T5T6T
R R R T7A55 DT7A

6666 kHz, 29-06, 1108 UTC

903 RMKS G. BT BT 28860 TO 9889 AR K
R GA
BT BT (Cont'd)
.... A745 553A 667. (Extremely fast)
(Message header sent by hand - message sent by machine)
AR (1112z - Silent)

7788 kHz, 30-06, 1145 UTC

HR MSG GA. HR MSG GA
MSG NR 26 CK 20 21 0630 1949 =
HR MSG GA. HR MSG GA
MSG NR 26 CK 20 21 0630 1949 =
D7N4 34N6 DTU5 UAND 54TA (Cont'd)
AR K
OK QSL 1949 (Both stations on this frequency)
R HR AS K
GA GA
AS
R
HR 7G NR 20 CK 20 21 0630 1950 =
346D 53NT N547 (Cont'd)
AR K
R QSL 1955 K
OK SK SK



MC03

Chinese Air Defense

5650 kHz, 12-06, 2005 UTC, i.p.

FF 88005752454688 0401
FF 44105762449755 0358
FF 82705762449751 0400
FF 44105772454696 0400
FF 82005772454688 0403
CQ CQ CQ CQ CQ
301456715 559100900 0408 RRRR
301456715559100900 0408

5650 kHz, 16-06, 2039 UTC, i.p.

FFFF 8270509243418331
FFF 4410510245079931
FFF 8270510245461939
FFF 4410511243025531
FFFF 8200511245472635
FF 4410512245079936
FFF 8270512245462944



UM10

Unid 10-minutes net

3334 kHz, 04-06, 2049 UTC POCI
4137 kHz, 04-06, 2049 UTC POCI
3207 kHz, 10-06, 1627 UTC NJ6A
3334 kHz, 11-06, 1350 UTC POCI
4137 kHz, 11-06, 1350 UTC POCI
3334 kHz, 14-06, 1924 UTC POCI
4137 kHz, 14-06, 1924 UTC POCI
4137 kHz, 23-06, 2018 UTC POCI
3334 kHz, 23-06, 2018 UTC POCI
4137 kHz, 30-06, 1552 UTC POCI
3334 kHz, 30-06, 1552 UTC POCI



UM01
Unid CQ station

Frequency: 3581 kHz.

Active: 24/7, sometimes off the air, possibly for maintenance.

Mode: CW

Location: probably Siberia

01-06 0200 CQ P 6	07-06 1327 CQ P 11	12-06 0211 CQ P 15
01-06 1131 CQ P 11	07-06 1654 CQ P 10	12-06 0257 CQ P 15
01-06 1737 CQ P 7	07-06 1721 CQ P 9	15-06 1024 CQ P 24 ²⁾
01-06 2018 CQ P 6	07-06 1845 CQ P 9	15-06 1503 CQ P 23
01-06 0200 CQ P 6	07-06 1913 CQ P 8	15-06 1941 CQ P 21
01-06 1131 CQ P 11	07-06 2102 CQ P 7	16-06 1207 CQ P 25
01-06 1737 CQ P 7	07-06 2252 CQ P 7	16-06 1530 CQ P 24
01-06 2018 CQ P 6	08-06 0917 CQ P 8	16-06 2029 CQ P 21
02-06 0158 CQ P 6	08-06 1021 CQ P 8	17-06 0212 CQ P 21
02-06 0320 CQ P 6	08-06 1357 CQ P 8	17-06 0950 CQ P 24
04-06 1100 CQ P 17	08-06 1741 CQ P 8	17-06 1359 CQ P 24
05-06 1757 CQ P 11	08-06 2049 CQ P 6	17-06 1835 CQ P 22
06-06 0226 CQ P 8	09-06 0005 CQ P 7	17-06 2057 CQ P 21
06-06 1050 CQ P 13	09-06 0148 CQ P 7	18-06 1211 CQ P 22
06-06 1217 CQ P 13	09-06 1025 CQ P 9	18-06 1423 CQ P 23
06-06 1218 CQ P 14 ¹⁾	09-06 1459 CQ P 9	20-06 1847 CQ P 20
06-06 1555 CQ P 14	09-06 2018 CQ P 7	21-06 0553 CQ P 24
06-06 1631 CQ P 14	10-06 0944 CQ P 19	21-06 0750 CQ P 25
06-06 1925 CQ P 12	10-06 1626 CQ P 18	21-06 0932 CQ P 24
06-06 2109 CQ P 11	10-06 2216 CQ P 14	22-06 1518 CQ P 27
06-06 2318 CQ P 9	11-06 0052 CQ P 9	22-06 1827 CQ P 24
07-06 0159 CQ P 10	11-06 0949 CQ P 19	22-06 2105 CQ P 23
07-06 0233 CQ P 11	11-06 1348 CQ P 17	23-06 2017 CQ P 24
07-06 0948 CQ P 11	11-06 1830 CQ P 14	23-06 2059 CQ P 23
07-06 1039 CQ P 11	11-06 2316 CQ P 13	

- 1) During the transition between 13 and 14, station was sending 13 with the occasional 14. Over time, more 14 and less 13 were being sent. Eventually mostly 14 was being sent with some occasional 13 being sent. Eventually only 14 were being sent.
- 2) Off on 13, 14, part of 21 June, and 24-30 June.

VARIOUS MODES



HM01

Dirección General de Inteligencia

frequency	Date	UTC	Day	remarks
11435	1-6	1600	Sun	17561 92781 11811 75728 69186 66209
11530	1-6	1706	Sun	17561 92781 11811 75728 69186 66209
11635	1-6	1800	Sun	17561 92781 11811 75728 69186 66209
11635	1-6	2104	Sun	17561 92780 62108 75727 69185 66208
10715	1-6	2200	Sun	17561 92780 62108 75727 69185 66208
11435	2-6	1600	Mon	17561 92780 62108 75727 69185 66208
11635	2-6	1803	Mon	Mixing with M08a. M08a off at 1803z. 17561 92780 62108 75727 69185 66208
11635	2-6	2200	Mon	17561 92780 62108 75727 69185 66208 17561
10715	2-6	2220	Mon	17561 92780 62108 75727 69185 66208 17561
14375	3-6	0530	Tue	17561 92780 62108 75727 69185 66208
14375	3-6	0600	Tue	17561 92780 62108 75727 69185 66208
11435	3-6	1605	Tue	17561 92781 76621 75728 69186 66209
11530	3-6	1712	Tue	17561 92781 76621 75728 69186 66209
11635	3-6	1804	Tue	17561 92781 76621 75728 69186 66209
16180	3-6	2104	Tue	17561 92781 76621 75728 69186 66209
17480	3-6	2203	Tue	17561 92781 76621 75728 69186 66209
11435	4-6	1602	Wed	17562 92782 76621 21131 69187 32311
11530	4-6	1700	Wed	17562 92782 76621 21131 69187 32311
11635	4-6	1800	Wed	17562 92782 76621 21131 69187 32311
10715	4-6	2212	Wed	17562 92782 76621 21131 69187 32311
11530	5-6	1659	Thu	17563 92783 76622 50631 69188 14761
11635	5-6	1800	Thu	17563 92783 76622 50631 69188 14761
16180	5-6	2100	Thu	17563 92783 76622 50631 69188 14761
17480	5-6	2200	Thu	17563 92783 76622 50631 69188 14761
5855	6-6	0500	Fri	17563 92783 76622 50631 69188 14761
11435	6-6	1600	Fri	17564 92784 76623 50632 69189 14762
11530	6-6	1657	Fri	17564 92784 76623 50632 69189 14762
11635	6-6	1800	Fri	17563 92783 76622 50631 69188 32311
11635	6-6	2109	Fri	17563 92783 76622 50631 69188 32311
10715	6-6	2237	Fri	17563 92783 76622 50631 69188 32311
14375	7-6	0500	Sat	17563 92783 76622 21131 69188 32311
5855	8-6	0500	Sun	17563 92783 76622 21131 69188 32311
10345	8-6	0500	Sun	17563 92783 76622 21131 69188 32311
11435	8-6	1602	Sun	17566 92786 76625 50634 44141 14764
11530	8-6	1700	Sun	17566 92786 76625 50634 44141 14764
11635	8-6	1811	Sun	17566 92786 76625 50634 44141 14764
11635	8-6	2101	Sun	17566 92786 76625 50634 44141 14764
10715	8-6	2200	Sun	17566 92786 76625 50634 44141 14764
5855	9-6	0500	Mon	17563 92783 76622 21131 69188 32311
10345	9-6	0500	Mon	17563 92783 76622 21131 69188 32311
11435	9-6	1600	Mon	17567 92787 76626 50635 44142 14765
11635	9-6	1802	Mon	17567 92787 76626 50635 44142 14765
10715	9-6	2200	Mon	17563 92783 76622 21131 69188 32311

frequency	Date	UTC	Day	remarks
11635	9-6	2210	Mon	17563 92783 76622 21131 69188 32311
10715	9-6	2231	Mon	17563 92783 76622 21131 69188 32311
14375	10-6	0500	Tue	17563 92783 76622 21131 69188 32311
11435	10-6	1600	Tue	17568 92788 76627 50636 44143 14766
11530	10-6	1709	Tue	17568 92788 76627 50636 44143 14766
11635	10-6	1802	Tue	17568 92788 76627 50636 44143 14766
16180	10-6	2102	Tue	17568 92788 76627 50636 44143 14766
5855	11-6	0500	Wed	17568 92788 76627 50636 44143 14766
11435	11-6	1600	Wed	17568 92788 76627 50636 44143 14766
11530	11-6	1710	Wed	17568 92788 76627 50636 44143 14766
11635	11-6	1802	Wed	17568 92788 76627 50636 44143 14766
11635	11-6	2111	Wed	17568 92788 76627 50636 44143 14766
10715	11-6	2200	Wed	17568 92788 76627 50636 44143 14766
14375	12-6	0500	Thu	17568 92788 76627 50636 44143 14766
11435	12-6	1600	Thu	17568 92788 76627 50636 44143 14766
17568	12-6	1600	Thu	17568 92788 76627 50636 44143 14766
11530	12-6	1659	Thu	17568 92788 76627 50636 44143 14766
11530	12-6	1659	Thu	17568 92788 76627 50636 44143 14766
11635	12-6	1803	Thu	17568 92788 76627 50636 44143 14766
11635	12-6	1803	Thu	17568 92788 76627 50636 44143 14766
16180	12-6	2101	Thu	17568 92788 76627 50636 44143 14766
17180	12-6	2101	Thu	17568 92788 76627 50636 44143 14766
17480	12-6	2158	Thu	17568 92788 76627 50636 44143 14766
17480	12-6	2158	Thu	17568 stopped at 2158z. On & off frequently.
5855	13-6	0500	Fri	17568 92788 76627 50636 44143 14766
17568	13-6	1600	Fri	17568 92788 76627 50636 44143 14766
11530	13-6	1738	Fri	17568 92788 76627 50636 44143 14766
11635	13-6	1800	Fri	17568 92788 76627 50636 44143 14766
8135	13-6	2303	Fri	17563 92783 76622 21131 69188 32311 (should be M08a)
11530	14-6	1702	Sat	17563 92783 76622 21131 69188 32311
11635	14-6	1805	Sat	17563 92783 76622 21131 69188 32311
16180	14-6	2104	Sat	17563 92783 76622 21131 69188 32311
17480	14-6	2202	Sat	17568 92788 76627 50636 44143 14766
9155	15-6	1016	Sun	17568 92788 76627 50636 44143 14766
11435	17-6	1603	Tue	17568 92788 76627 50636 44143 14766
11530	17-6	1707	Tue	17568 92788 76627 50636 44143 14766
11635	17-6	1808	Tue	17568 92788 76627 50636 44143 14766
7554	17-6	2001	Tue	17568 92788 76627 50636 44143 14766
16180	17-6	2105	Tue	17569 22691 54011 50637 44144 14767
11435	18-6	1633	Wed	56451 26692 54011 50638 44145 14768
11530	18-6	1710	Wed	56451 26692 54011 50638 44145 14768
11635	18-6	1841	Wed	56451 26692 54011 50638 44145 14768
11635	18-6	2115	Wed	56451 26692 54011 50638 44145 14768
10715	18-6	2200	Wed	56451 26692 54011 50638 44145 14768
8009	18-6	2302	Wed	56451 26692 54011 50638 44145 14768 mixing with M08a
14375	19-6	0500	Thu	56451 26692 54011 50638 44145 14768
13435	19-6	0729	Thu	56451 26692 54011 50638 44145 14768
11635	19-6	0800	Thu	56451 26692 54011 50638 44145 14768
11635	19-6	1000	Thu	56451 26692 54011 50638 44145 14768
11435	19-6	1636	Thu	56451 26692 54011 50638 44145 14768
11530	19-6	1712	Thu	56451 26692 54011 50638 44145 14768

frequency	Date	UTC	Day	remarks
16180	19-6	2109	Thu	56451 26692 54011 50638 44145 14768
16180	19-6	2159	Thu	56451 26692 54011 50638 44145 14768. Should be on 17480. Stops at 2204 UTC
17480	19-6	2205	Thu	56451 26692 54011 50638 44145 14768
8135	19-6	2303	Thu	17569 26691 44011 50637 44144 14767. Should be M08a
5855	20-6	0500	Fri	barely audible
10345	20-6	0600	Fri	56451 26693 54012 28261 44146 83751
10345	20-6	0600	Fri	56451 26693 54012 28261 44146 83751
11435	20-6	1602	Fri	56452 26694 54013 28261 44147 83751
11530	20-6	1731	Fri	56452 26694 54013 28261 44147 83751
11635	20-6	1805	Fri	56452 26694 54013 28261 44147 83751
11635	20-6	2058	Fri	56452 26694 54013 28261 44147 83751
10715	20-6	2200	Fri	56452 26694 54013 28261 44147 83751
14375	21-6	0500	Sat	barely audible
14375	21-6	0600	Sat	56452 26694 54013 28261 44147 83751
13435	21-6	0700	Sat	56452 26694 54013 28261 44147 83751
11635	21-6	0800	Sat	56452 26694 54013 28261 44147 83751
11435	21-6	1601	Sat	56453 26695 54014 28262 44148 83752
11435	21-6	1616	Sat	56464 26696 54015 28263 44149 83753
11530	21-6	1701	Sat	56453 26695 54014 28262 44148 83752
11530	21-6	1715	Sat	i.p. 56453 26695 54014 28262 44148 83752
11635	21-6	1805	Sat	56453 26695 54014 28262 44148 83752
11635	21-6	1845	Sat	56464 26696 54015 28263 44149 83753
16180	21-6	2102	Sat	56453 26695 54014 28262 44148 83752
16180	21-6	2115	Sat	56464 26696 54015 28263 44149 83753
17480	21-6	2234	Sat	56453 26695 54014 28262 44148 83752
12180	24-6	1010	Tue	i.p.
17480	25-6	2000	Wed	56456 26698 54017 28265 82041 83755
11635	25-6	2100	Wed	56457 44701 54018 28266 82042 83756
10715	25-6	2200	Wed	56457 44701 54018 28266 82042 83756
8009	25-6	2300	Wed	17569 22691 54011 50637 44144 14767 (should be M08a)
8135	25-6	2315	Wed	17569 26691 54011 50637 44144 14767. Mixing with M08a
14375	26-6	0630	Thu	56457 44701 54018 28266 82042 83756
13435	26-6	0700	Thu	56457 44701 54018 28266 82042 83756
14375	28-6	0600	Sat	56458 44701 75471 28267 82043 83757
13435	28-6	0700	Sat	56458 44701 75471 28267 82043 83757
11464	28-6	0900	Sat	56458 44701 75471 28267 82043 83757
11635	28-6	1000	Sat	56458 44701 75471 28267 82043 83757 //12120 kHz
12180	28-6	1000	Sat	56458 44701 75471 28267 82043 83757 //11635 kHz
5855	29-6	1013	Sun	56458 44701 75471 28267 82043 83757
10345	30-6	0600	Mon	56458 44701 75471 28267 82043 83757
9330	30-6	0700	Mon	56458 44701 75471 28267 82043 83757

M08a and HM01 schedules

UTC	Sun	Mon	Tue	Wed	Thu	Fri	Sat	UTC
0000								0000
0100								0100
0200								0200
0300								0300
0400								0400
0500	5855 1)	5855 1)	14375	5855	14375	5855	14375	0500
0600	10345	10345	14375	10345	14375	10345	14375	0600
0700	9330	9330	13435	9330	13435	9330	13435	0700
0800	9065	9065	11635	9065	11635	9065	11635	0800
0900	9240	9240	12120	9240	12120	9240	12120 2)	0900
1000	5855 9155	5855 9155	12180 11635	5855 9155	12180 11635	5855 9155	12180 11635	1000
1100								1100
1200								1200
1300								1300
1400	8096	8096	8096	8096	8096	8096	8096	1400
1500								1500
1600	11435	11435	11435	11435	11435	11435	11435	1600
1700	11530	11530	11530	11530	11530	11530	11530	1700
1800	11635	11635	11635	11635	11635	11635	11635	1800
1900								1900
2000	7554	7554	7554	7554	7554	7554	7554	2000
2100	11635	11635	16180	11635	16180	11635	16180	2100
2200	10715	10715	17480	10715	17480	10715	17480	2200
2300		8009	8135	8009	8135	8009	8135	2300
2300	11530	11530	17540	11530	17540	11530	17540	2300
UTC	Sun	Mon	Tue	Wed	Thu	Fri	Sat	UTC

1) sometimes on 10345 kHz

2) also noted on 11464 kHz

M42 & X06



Modes:

Various digital modes, CW,
Tones (Мазелка / Mazielka)

Russian Government & Intelligence



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Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
 Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 61857
 Link ID 57404 Msg Number 006 : Msg Type 07145 : Group Count (?) 4 35492 00001 00000 01648 15295 36589 06141 62433
 Link ID 57404 Msg Number 006 : Msg Type 08187 : Group Count (?) 12 35580 00273 00000 01648 15295 36591 38911 62435
 Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
 Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06551 35583 00895 41465

Link ID 41020 Msg Number 006 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00624 15295 36591 06143 62435
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 007 : Msg Type 07145 : Group Count (?) 4 35492 00000 00010 00628 15295 36585 06140 62435
Link ID 57404 Msg Number 006 : Msg Type 07163 : Group Count (?) 4 35580 00277 00001 01648 15295 36591 30719 62435
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 36461 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06591 35567 02047 41955
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35488 00000 00000 00560 06549 35437 00893 41377
Link ID 00012 Msg Number 002 : Msg Type 15336 : Group Count (?) 4 35488 00000 00000 00048 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 02669 00893 08609
Link ID 41020 Msg Number 006 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 01648 15295 36591 06143 62435
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35488 00000 00000 00560 06551 35823 00895 41465
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00895 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40984 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00528 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35439 00895 41385
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 0 35364 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 59772 Msg Number 006 : Msg Type 16383 : Group Count (?) 12 36573 04475 61440 14128 06549 35437 00893 45473
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 15295 36589 06141 62433
Link ID 40988 Msg Number 002 : Msg Type 06633 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 57404 Msg Number 006 : Msg Type 07147 : Group Count (?) 4 35500 00023 18436 03696 48123 36591 22522 65411
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 15359 36591 06143 62435
Link ID 61470 Msg Number 131 : Msg Type 07165 : Group Count (?) 6 35838 00008 00000 00816 07639 53247 00895 63993
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 57761

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Link ID 60988 Msg Number 002 : Msg Type 07161 : Group Count (?) 4 36604 00001 00000 01648 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 08169 : Group Count (?) 4 36516 00000 00000 00560 06549 36589 00892 45473
Link ID 40988 Msg Number 002 : Msg Type 07136 : Group Count (?) 4 35492 00000 00000 00560 06551 35567 00895 41195
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35436 00893 41376
Link ID 40988 Msg Number 002 : Msg Type 07137 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 57372 Msg Number 006 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 07639 36863 00895 47609
Link ID 61470 Msg Number 131 : Msg Type 07149 : Group Count (?) 4 35518 00008 00000 00816 07639 53247 00895 63993
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 15831 45055 33663 63993
Link ID 00028 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 35492 00000 00000 00560 06549 35437 00893 41377
Link ID 41000 Msg Number 004 : Msg Type 16383 : Group Count (?) 12 36605 00276 08192 01136 13099 01227 05882 21315

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Link ID 13362 Msg Number 097 : Msg Type 13366 : Group Count (?) 54 17251 24576 13840 01281 07179 00312 05057 62076
Link ID 13622 Msg Number 099 : Msg Type 13366 : Group Count (?) 54 17251 24576 30516 01347 15369 16697 14209 62988

Link ID 13366 Msg Number 099 : Msg Type 13366 : Group Count (?) 54 17251 24576 13876 01347 15371 16697 14273 63100
Link ID 13366 Msg Number 099 : Msg Type 13366 : Group Count (?) 54 17251 25411 13876 27924 15371 16697 14273 32844
Link ID 00000 Msg Number 000 : Msg Type 43008 : Group Count (?) 96 37376 24576 00064 00032 00000 00512 08192 08192
Link ID 13366 Msg Number 099 : Msg Type 13366 : Group Count (?) 52 16483 25411 13876 27924 15371 16697 14273 32845
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 18884 00000 00000 00279 22585 35369 00892 03426
Link ID 00063 Msg Number 017 : Msg Type 04192 : Group Count (?) 0 16448 00000 00128 00131 42132 50588 00318 03769
Link ID 08412 Msg Number 162 : Msg Type 05096 : Group Count (?) 4 18884 00000 02304 00771 00148 32796 00318 03257
Link ID 40988 Msg Number 000 : Msg Type 07145 : Group Count (?) 4 18893 00007 00000 00263 16433 33321 00893 03170
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 18884 00000 00000 00279 22585 35369 00893 03426
Link ID 40972 Msg Number 002 : Msg Type 07145 : Group Count (?) 132 18884 00000 00000 00023 22973 35375 00893 04095
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 02500 00516 00000 00279 22585 35369 00893 03426
Link ID 41308 Msg Number 070 : Msg Type 07145 : Group Count (?) 4 18884 00000 01872 03863 22585 35369 00893 03426
Link ID 00012 Msg Number 002 : Msg Type 07136 : Group Count (?) 0 18880 00000 00004 00279 23807 52859 02045 04071
Link ID 40988 Msg Number 018 : Msg Type 07145 : Group Count (?) 4 18624 00000 00003 00287 30777 47657 33789 03426
Link ID 40972 Msg Number 000 : Msg Type 07145 : Group Count (?) 4 18884 00000 00000 00259 00016 32768 00316 03104
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 18884 00000 00000 00279 22577 33289 00888 03424
Link ID 08204 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 18628 00000 00000 00279 22585 35369 00893 03426
Link ID 32776 Msg Number 004 : Msg Type 07145 : Group Count (?) 4 18884 00000 00000 00062 47479 03271 02047 06909
Link ID 57372 Msg Number 002 : Msg Type 07145 : Group Count (?) 0 19950 01211 00000 02455 30905 35625 00893 03426
Link ID 43996 Msg Number 002 : Msg Type 07137 : Group Count (?) 4 18884 00000 16640 03351 22585 35368 00893 03424
Link ID 20494 Msg Number 075 : Msg Type 07165 : Group Count (?) 4 18911 02270 32928 00467 60473 32809 00893 03426
Link ID 42126 Msg Number 142 : Msg Type 07136 : Group Count (?) 4 02244 00000 00672 00407 22584 35337 00892 03424
Link ID 00028 Msg Number 002 : Msg Type 07104 : Group Count (?) 0 16512 00000 00000 00279 22585 35369 00893 03426
Link ID 41052 Msg Number 018 : Msg Type 07145 : Group Count (?) 4 18884 00000 01552 00278 20513 00001 00874 00064

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Link ID 00008 Msg Number 000 : Msg Type 07136 : Group Count (?) 0 02496 00000 00000 00022 04145 00001 00872 03136
Link ID 00012 Msg Number 000 : Msg Type 07008 : Group Count (?) 0 18688 00000 00000 00003 00057 32809 00381 03426
Link ID 40988 Msg Number 002 : Msg Type 40937 : Group Count (?) 4 51652 00000 00000 00279 22585 35369 00893 03426
Link ID 00012 Msg Number 000 : Msg Type 07145 : Group Count (?) 4 18880 00000 00000 00019 16441 32809 00381 03426
Link ID 16526 Msg Number 129 : Msg Type 07152 : Group Count (?) 4 18784 00000 00000 00003 41104 49280 00278 03728
Link ID 61453 Msg Number 000 : Msg Type 07167 : Group Count (?) 4 18926 02600 35344 08471 06193 35337 00892 03424
Link ID 00008 Msg Number 000 : Msg Type 04416 : Group Count (?) 0 00000 00000 00000 00006 04129 00001 00872 02112
Link ID 40988 Msg Number 000 : Msg Type 07145 : Group Count (?) 4 18884 00000 00000 00257 00016 00008 00316 03104
Link ID 00004 Msg Number 000 : Msg Type 07136 : Group Count (?) 4 18880 00000 00000 00003 00016 32776 00316 03104
Link ID 00012 Msg Number 000 : Msg Type 08160 : Group Count (?) 4 18880 00000 00000 00003 00000 32776 00060 01056
Link ID 00008 Msg Number 000 : Msg Type 07136 : Group Count (?) 4 18880 00000 00000 00022 04129 00001 00872 02112
Link ID 40972 Msg Number 000 : Msg Type 07145 : Group Count (?) 4 18884 00000 00000 00000 00016 32776 00060 03104
Link ID 00012 Msg Number 000 : Msg Type 07145 : Group Count (?) 4 18884 00000 00000 00003 00016 32776 00316 03104
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 18884 00000 00000 00279 22577 35368 00888 03424
Link ID 00012 Msg Number 000 : Msg Type 07008 : Group Count (?) 0 18496 00000 00000 00001 00016 00008 00060 03104
Link ID 00012 Msg Number 000 : Msg Type 00864 : Group Count (?) 0 02112 00000 00000 00003 00016 32776 00316 03104

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Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00625 35055 01023 04851
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 61500 Msg Number 006 : Msg Type 08171 : Group Count (?) 12 53244 00273 00016 00979 06129 35055 02047 14067
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50528 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 03049 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 06129 35055 02047 14067
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 06000 34989 01917 13905
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00625 35055 00895 04851
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 61598 Msg Number 131 : Msg Type 08189 : Group Count (?) 14 53118 00008 32768 00481 35704 52479 00895 07161

Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00448 00112 00009 00616 00000
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 04720 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00753 35055 02047 05875
Link ID 20614 Msg Number 129 : Msg Type 06780 : Group Count (?) 12 49534 00008 32768 00096 35128 17622 00318 02472
Link ID 00008 Msg Number 000 : Msg Type 07137 : Group Count (?) 4 50536 00000 00000 00128 00113 00139 00746 00162
Link ID 40990 Msg Number 003 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 39800 52479 00895 07161
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 61500 Msg Number 006 : Msg Type 07147 : Group Count (?) 4 50556 00017 00016 00979 06129 35055 02047 14067
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34991 00895 04691
Link ID 40988 Msg Number 006 : Msg Type 07145 : Group Count (?) 4 50540 00000 00004 00465 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00625 35055 00895 04851
Link ID 61500 Msg Number 002 : Msg Type 08171 : Group Count (?) 12 53244 04369 00000 00961 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 00624 34989 00893 04689
Link ID 00040 Msg Number 004 : Msg Type 07137 : Group Count (?) 4 50536 00000 00016 00658 05619 00207 01790 09447
Link ID 40988 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 50540 00000 00000 00449 02033 35055 02047 14067



XP family

14663/13923 kHz, 13-06, 2120/2140 UTC: XPA2

16167/14663 kHz, 13-06, 2100/2120 UTC: XPA2

00113 00066 53856 33274 10358 46356 22972 76995 62900 42856
37921 61799 00796 92503 95275 83316 73732 83414 82438 62207
49458 70425 91616 71725 72402 93819 76450 27970 50951 97935
78276 73789 82618 12656 58800 12787 38221 83178 66903 70924
93498 20437 72206 77637 11620 45717 39115 48711 28477 59213
63534 21844 35212 35129 57439 97701 16726 97248 05215 85335
87572 48841 24113 65177

16167 kHz, 14-06, 2100 UTC, XPA2

03912 00001 00000 10140

20513 kHz, 24-06, 0700 UTC, XPA2

04455 00001 00000 10140

14984 kHz, 17-06, 1920 UTC, XPA2

09904 00187 05693 61311 06914 64741 53344 42561 71942 69610
26271 62367 23222 20121 13596 96030 02119 82501 13021 92237
69901 49028 26850 84848 75965 16209 20342 94820 07261 98777
70281 43257 90902 58601 34484 67999 79733 33039 56400 85096
27620 73877 42782 55735 04318 68499 42158 25335 94372 40213
36163 33693 04667 07952 78975 67486 06747 15504 30119 12188
29733 51161 25142 92752 45428 11825 64906 75634 96916 38505
21328 50403 56099 81520 03019 70588 99008 70400 96117 75778
71259 24075 03953 67857 45217 85472 50721 01056 34284 70580
51704 60618 23553 22814 24482 35294 72511 09221 82845 49142
11596 30274 49613 30012 51255 21753 82704 22537 99295 27794
27055 40314 66361 55570 13034 05591 45160 87466 10819 43360
81602 15423 49537 16466 30824 29403 11229 34563 17639 78685
92960 71536 05658 13527 42287 09229 42475 14112 03780 78855
71146 47297 55590 93033 85164 09588 74610 96155 00976 13314
88784 24076 87242 60336 94622 17603 72766 14328 58603 16661
32001 66738 09000 28485 53177 21006 73203 61125 00031 18625
79909 29360 08031 12140 65800 75589 94871 46175 04899 54428
85566 77483 70510 70336 17548 02883 76642 68811 44477 76625

16167 kHz, 20-06, 2100 UTC, XPA2

07391 00115 48710 80035 72350 94264 00417 62065 97062 68111
93443 36033 06356 74881 29476 36513 12152 08933 93005 35106
93749 05417 54738 04453 53698 16818 12084 69403 98836 04335
52456 90265 43981 22946 89585 64444 10374 17375 43879 42490
35949 67753 42166 32741 43375 89363 63322 86550 49161 70402
56914 94739 32538 50686 08546 93315 28093 02525 52414 69078
33604 58556 54839 12968 76285 58668 14874 96900 28566 74073
92297 87089 03344 33622 74622 55149 49467 00339 61006 02579
40790 84551 43376 05530 01455 65592 148?? 58428 62376 29544
83601 99742 74754 55228 27015 99849 58328 99488 78366 64441
53044 21468 76532 06244 68011 42497 35342 56877 50903 17195
00303 11552 91890 55087 63630 75154 09315 13746 32453

12138 kHz, 24-06, 2140 UTC, XPA2

09569 00053 15760 99785 70241 24374 90886 62661 86684 24612
35078 47516 34638 45086 82239 19688 83160 34261 28780 84924
15561 19529 88199 26245 57025 95075 11613 17554 81120 45723
38545 33254 76915 96570 56322 17491 63126 25649 43607 05593
09877 50981 38391 13702 11824 36888 16782 34467 16080 24991
65137 06164 49648 75931 92103 73437

11409/13509/14609 kHz, 28-06, 0600/0620/0640 UTC, XPA

RYYRY
456 456 456 000
06042 00001 00000

16167 kHz, 28-06, 2100 UTC, XPA2

05142 00001 00000 10140

14738/13348/12138/12138 kHz, 01-06, 2000/2020/2040/2100 UTC: XPA2 (4 transmissions !!!)

04758 00001 00000 10140

9938 kHz, 03-05 and 05-06, 1750 UTC, XPA

491 491 491 1

07824 00277 10018 93068 42522 60750 04101 02937 89833 74502
54885 04764 11096 35748 51738 79863 89302 56340 10048 00296
18040 21359 89276 20451 57715 87300 78901 93242 22181 25004
20447 89544 05722 63722 12407 02896 23822 16862 28254 99669
67099 49770 97552 92033 62706 10952 29809 25986 27616 52202
73738 17513 21261 38492 28185 54915 28182 75648 68019 64779
55099 51730 74811 20649 17126 72233 53167 79814 88924 21138
39831 33648 67004 77830 69534 39793 90052 30138 97477 48871
97787 96585 86290 25015 75938 06849 65618 97106 03429 99587
68233 88188 38505 89928 57528 16027 32131 85795 84865 93518
36743 09294 82774 17359 63921 11070 16736 09261 32151 96329
95689 80583 70329 71068 17918 26327 93891 52995 81810 92662
94528 99212 22954 13794 83220 60565 37250 71950 69722 57688
31363 32179 81415 32723 57749 78757 78408 38252 49907 69117
77289 23072 44076 36160 58470 00817 35850 69470 22385 26725
03819 79532 29856 31834 57346 93969 85903 77168 01669 30298
70933 57111 09115 46716 28288 13292 73051 91932 93721 52844
39342 20921 08080 37224 29629 73304 40748 54105 76074 61737
33903 88403 20822 18080 74363 15433 14345 47538 88090 79258
04915 52811 16333 77930 10400 90517 10511 88251 53652 64621
24096 44711 72164 87244 41713 62796 85801 88266 55948 59696
40240 01206 60229 60099 92315 35629 53432 63448 35287 45219
94853 72057 83205 90946 67463 25255 04882 95969 64821 59926
22575 80141 48276 06396 45351 23227 70535 02800 01121 74167
73053 26817 60468 66137 00828 66755 10224 32373 31996 83133
98857 73686 26042 26915 78910 28350 77278 58784 77714 94466
38304 49195 14288 08430 34915 76440 36320 03252 79619 38640
40077 66069 68811 29525 20998 59208 38475 98577 82372 33150



Chinese diplomatic stations

18611 kHz, 26-06, 0820 UTC, LSB. 4+4

F IPCD IPCD IPCD DE VSF93 VSF93 VSF93
F IPCD IPCD IPCD DE VSF93 VSF93 VSF93
F IPCD IPCD IPCD DE VSF93 VSF93 VSF93
F IPCD IPCD IPCD DE VSF93 VSF93 VSF93
HR ZNN SK ZNN SK
F IPCD IPCD IPCD DE VSF93 VSF93 VSF93
F IPCD IPCD IPCD DE VSF93 VSF93 VSF93
F IPCD IPCD IPCD DE VSF93 VSF93 VSF93
F IPCD IPCD IPCD DE VSF93 VSF93 VSF93
HR ZNN SK ZNN SK
WWA

UTILITY ROUND-UP



Unid stations

Unid station on 6503 kHz, 24-06, 1224 UTC, CW. Copied by JPL

In progress 121 =
7721 =
VVV 10598 45878 25484 25888 65874 54777 66898 02478 87214 57412 K
VVV .30 =
QOT O K K
VVV VVV K

Unid station on 7550 kHz, 27-06, 1044 UTC, CW – machine sent. Copied by JPL

Weird message. Technical problems???

i.p. 32535 261 34111.1.....1111
1111 11112 222.11111111111222.222222222.22222222
33..33333333333333.....33333
3333333333...44444444444555555..55555666667777788888888
99999999
99999999900005...555
7766666
.....33333322222.22.224444..
54445555..5555555577.1.111111133...3.333.3333.33.4.44...555.5
66...02223.1
1111111.1
33.311....12..222..33.3...7....7....9.1...3... (Fading badly now – 1100z)



Armenian Air Defense

6450 kHz, 23-06, 2006 UTC
6450 kHz, 24-06, 1846 UTC
6450 kHz, 25-06, 1720 UTC

RUSSIAN MILITARY TRANSCRIPTS

The number of Russian military logs sent to UDXF is so huge that I will only publish a small selection of them in N&O. The complete log files are available for UDXF members in the UDXF-Yahoo logs directory. Logs were submitted by Topol, Andre, KM2, Tom, MPJ, JPL.



M32 **Russian/CIS Military CW Stations**

Freq / date / UTC/ details

5379 01-06 2028 i.p. 40496 81125 50577 96443 69607 85462 50423 84518 45281 981081 56617 CSAB AR AR
3889 01-06 2102 i.p. GXZ7 RPT PBL K
7674 02-06 0500 XXX WEGI 63700 22420 35130 03608 73791 88810 83459 KAZINET 5754 4841 K
7674 02-06 0509 XXX WEGI 41418 60774 99693 42800 69014 50021 91452 WAGLÜDKA 2484 0638 K
7674 02-06 0514 XXX WEGI 37843 BAZGALA 8963 7789
7674 02-06 0516 XXX RGT77 00248 72510 64421 ÖALOMVA 7177 2358 K
3158 02-06 2156 i.p. R K. SDW7 DE 3QFN K

3174 kHz, 02-06, 2200 UTC

i.p. VVV K. TTZV DE XBKP K. TTZV DE XBKP K
R K
MJQ1 DE XBKP K. MJQJ DE XBKP K
R K
SDKU DE XBKP K
R K
BEKA DE XBKP K
R K

8511 kHz, 03-06, 1205 UTC

55VR DE 1KZ7 QSA ? K
RPT
MCOO DE 1KZ7 QSA ? K
RPT
SRBB DE 1KZ7 QSA ? K
JKZ 7 DE SRBB QSA 2 FOR QRJ 2 K
QSA 1 QSA ? K
QSA 2 K
R K
3WG5 DE 1KZ7 QSA ? K
R K
3WG5 DE 1KZ7 QSA ? K
1KZ7 DE 3WG5 QSA 2 QSA ? K
QSA 2 FOR QRJ ? K
12 K
R K
2F5D DE 1KZ7 QSA ? K
1KZ7 DE 2F5D QSA 3 QSA ? K

6889 kHz, 08-06, 2000 UTC

RTS62 DE EYA31 QSA 1 QSA ? K
ULC85 QSA 3 K
VVV RTS62 DE EYA31 QSA 1 QSA ? K

8511 kHz, 04-06, 0217 UTC

i.p. WFNI DE TS2M QSA ? K
TS2M DE WFNI QSA 3 QSA ? K
QSA 2 FOR QRJ ? K
FOR QRJ 3 K
R K
VMW7 DE TS2M QSA ? K
TS2M DE VMW7 QSA 4 QSA ? K
V MW7 DE TS2M QSA ? K
DE VMW7 QSA 3 K
VMW7 DE TS2M QSA ? K
2M DE WMW7 QAA 1 K
DE ? K. DE WMW7 QREU QAA 2 K
QSA 2 FOR QRJ ? K
FOR QRJ 1 K
R K
ZM6Q DE TS2M QSA ? K
TS2M DE ZM6Q QSA 2 QSA ? K
QSA 3 FOR QRJ ? K
FOR QRJ 3 K
R K

5447 kHz, 04-06, 0227 UTC

i.p. R 005 K. OK K
YLK74 DE LYW57 QTC K
NW 002 20 04 06 0000 002 = OWRSD CYUSZ (Cont'd)

5214 kHz, 05-06, 1808 UTC

i.p. DE XXFM QSA ? K.
KT1U DE XXFM QSA ? K
XXFM DE KT1U QSA 4 QSA ? K
QSA 1 K
OK K
R K
VE62 DE XXFM QSA ? K

7714 kHz, 02-06, 1210 UTC

i.p. DE C3WG QSA 2 QSA ? K
C3WG QSA 3 K
OK K
R K
DE I4YP QSA 2 9 EEE QSA ? K
I4YP QSA 4 K
OK K
R K
DE 2CHZ QSA 2 QSA ? K
2CHZ QSA 3 K
OK K
R K
DE E2BN QSA 2 QSA ? K
E2BN QSA 2 K
OK K R K

7931 kHz, 11-06, 0231 UTC

i.p. KNOJ DE 7P4D K
R K
NBIZ DE 7P4D K
R K

6995 kHz, 15-06, 1512 UTC

DE LAWW = 444 36 15 2110 444 =
ZUZ FM 574373 FOR 371006 850118994 =
VDG\AY IOPRZ HBPME (Cont'd)

3494 kHz, 15-06, 1942 UTC

N31R N31R N31R
722194 960 3429794912871050 2245 RPT
722194 960 3429794912871050 2245 K

10653 kHz, 06-06, 2323 UTC

DE CK8M QSA 2 K.
HM5U DE FYGU QSA 2 K
HM5U DE ... QSA 5 K

7281 kHz, 08-06, 0945 UTC

DE W3C8 W3C8 QTC =
624 33 08 1620 624 =
440 524 119 = AAAAA (Cont'd – using barred letters)

5214 kHz, 8-06, 2100 UTC

ZXNE DE NTNW QSA ? K.
LSV1 DE NTNW QSA ? K
NTNW DE LSV1 QSA 2 QSA ? K
QSA 2 K
DE LSV1 QSA 2 QSA ? K
QSA 2 K
OK
R K
ZXNE DE NTNW QSA ? K
DE ZXNE QSA 3 K
QSA 3 FOR QRJ ? K
FOR QRJ 3 K
R K
EI5V DE NTNW QSA ? K. EI5V DE NTNW QSA ? K

4611 kHz, 16-06, 2034 UTC

PMBP QTC ZWB K
PMBP 175 30 17 0041 175 = ZWB 908 = ZBPHT 'OEYCA (Cont'd)

5570 24-06 2046 9N8E DE O73Z QSA... K
2049 O73Z O73Z O73Z DE 9N8E 9N8E K
2050 O73Z DE 9N8E R XXX XXX XXX 9N8E 65500 35K

7977 19-06 0231 EFMO QSO with outstations B8YW QGW4 E3XV JDE4 ILN6 FMKP (frequency : 6963 Khz)
6571 19-06 0250 GW1K QSO with outstations NEZC C4TK VVJM CWMB WKJ8
5294 19-06 0300 APWP QSO with outstations H5LE IUHM 3NTI T9TC NBVR IR3E
5466 19-06 0319 Outstations SDSI 7JQU PRST WEMH T6SP GDSB 8YYG HMB5 trafic with ND2G
6252 19-06 0325 Outstations M2IR TVTZ GFTF FB9U ECKW traffic with XKSC
5472 19-06 0331 Outstations NZ5I FMMA traffic with FNF8
7978 19-06 0508 de YDEW QSA 4 QSA ? K - and QTC 1 ZC ZVP SLD K - Traffic in RTTY - and CFM NIL QRU ? K - and SLV –
and BK BK QRV K - and R 165 0515 k - and SK K
6822 19-06 0511 AIS3 QSO with outstations O5OL TTSE HOK8 4SWV YFSP FHFV XE3R LLML C1CK 6INS Z1DN XLLW XPSR
BK9T HOK8
9124.5 19-06 0808 KMMV R 068 ? for outstations ZSM6 PUFV CFUJ MXU8
12787 19-06 0609 XA9T de PJXT QTC 486 28 19 10005 486 = 161 = DDDDD FSOKB MUNKF SMWZP LRINP SMWZP LRINP
MWZP ... AOPWT 161 RPT AL QLN AR
9124.5 19-06 0814 KMMV R 117 ? for outstations ZSM6 PUFV CFUJ MUX8
12593 19-06 1313 de 5CYW R752 ? K For outstations VAPR DQI7 1OL1
6846 19-06 1704 Y6ZC with outstations QATZ GRXX Y2MW 8JAM (outstations 5879 Khz)
12593 20-06 1407 de 5CYW K For outstation 1OL1
12593 20-06 1411 XXX 9TIC 82573 08229 K
12787 19-06 1100 de PJXT PJXT ...T57T8 19T2T 118 RPT AL QLN AR
13396 13-06 1440 RPT AA 27 K RPT AA 27 K R 355 K
14317 13-06 2143 TGWX: 5FGs 64784 84359 21439 92636 ...
6753 16-06 1908 RFFN wkg RFFP and RFFO
6846 22-06 2122 L5BA R K

21974 20-06 1851 ISII DE PMTR PMTR QTC Z Z T K
 7779.5 24-06 0408 XXX WLCA 3598 MARTDAT 6893 0012 13598 MARTDA 6893 0012
 5596 25-06 1859 GOHD DE JGVP K. GOHD DE JGVP K. QSA 2 QSA? K
 6995 25-06 0133 i.p. 65321 93913 77595 73064 34628 65205 82608 91432 66284 65806 23952 01371 93960 37045 72364
 84678 56759 03213 25030 833 K
 6767 27-06 1853 SRY7 de QMLP QTC ZED K. QMLP 929 .. 22 46 929 = ZED 519 = ARDER MOMCK TDCNN ... DCBAP HLTRCh
 WUPWP 303 K. Nothing heard of outstations on 5886 kHz.
 10987 27-06 1704 MC6F de VFXO QTC K. VXFO 381 ... 050381 = 519 = ARDER I..äs MChLM. öögChL ... ADQQG KOOFU
 WUPäE 303 RPT AL K. Nothing heard of outstations on 10942 kHz.
 14646 27-06 1202 K54W QTC AR (Collective Call) -- 638 34 27 1558 638 = ZGB 519 = BÂDWS ZÔ+Û+ OZVVG CMS+U Z+DOA
 LAZYD GSIOS CQERC FV+WÔ NÂTCG LCDIA LRWZE ZZLUW DUZIH FÔYCB GZQN+ ÔOVFD WMDBS MUIPH
 MÂÂDT ÔVZES ÛWBUZ CÔÂIQ WETRU +RLBZ ÛMBÂI NPRNK HZZYL ÂFZBN WIPEP BVKWK 118 K -- IO8Y
 R638 K - YFQH R638 K

18.1 kHz, 28-06

0849 RDL RDL RDL 26173 36012 26173 36012 26173 36012 K
 0857 XXX XXX
 0904 RDL RDL RDL 17329 12975 17329 12975 17329 12975 K
 0909 XXX XXX (28.6.2014) (KcM)
 0926 RDL RDL RDL 27838 96949 27838 96949 27838 96949 K
 0952 RDL RDL RDL 25618 90024 25618 90024 25618 90024 K



M32a **Russian Navy** **Voyenno-Morskoy Flot Rossii**

Freq / date / UTC/ details

6832 04-06 1835 i.p. 106 120 113 105 122 124 126 = REO REO DE RMP RMP QTC
 3852 06-06 1929 RCV R K
 8136 14-06 1709 RMW44 DE RMW32 ZSA 3 R K
 RMW44 DE RMW32 ZSA
 RMW32 DE RMW44 ZSA 1 K
 10543 17-06 0918 XXX XXX RJV RJV 14486 VARAWAJKA 5711 3924 K
 2802 19-06 0215 RKZ de RCV QTC 355 19 19 0655 355 = SML = OTORMOTOE PREPURRDENEEN NR 361
 6832 19-06 0458 RFGK37 de RMP QSU1 QSX 7457 ...
 6465 19-06 1430 RMP de RJH41 QSA ? K
 9145 14-06 2223 RMMA DE RIW QSA 2
 10543 17-06 1207 RKZ DE RCV followed by sea conditions
 5881 26-06 1714 RMP: Navy Kaliningrad messages to REO Baltic fleet
 10543 23-06 1430 RBE86 de RCV QTC 537 69 23 1335 537 = NAWIP 038 1390 KARTA 32311 ITALIÂ UÛNRO PODWODNOJ
 LODKI PO 26 IPUNX 0400 DO 1800 PLAWANIE ZAPREQENO RAJONE 40/18 S 016/51 W 40/28 S 017/01 W
 40/24 S 017/12 W 40/18 S 017/12 W OTM ÉTOT NR 26 1900 IÛNX NAWIP 038 1389 KARTA 32300 32300
 IALIÂ S TSLXBY PO 26 IÛNX 0600 DO 2200 PLAWANIE ZAPREQENO RAJONE E 338 CENTROM 40/26 S
 018/19 W OTM ÉTOT NR 26 2300 IÛNX AR
 10543 23-06 1439 RBE86 de RCV QTC 538 43 23 1337 538 = NAWIP 034 1388 KARTA 38362 GAWANI WALLETA OGON X
 ZNAKA SANT ÉLXMO 35/54/08/5 S 14/31/09/0 W NE DEJSAWUET OTM ÉTOT NR 07 IÛLX NAWIP 034 1387
 KARTA 38365 OSTROW MALXTA OGONX BUÂ WOSTOÛNYJ 35/48/01/7 S 014/33/33/9 W NE DEJSWUT
 OTM ÉTOT NR 07 IÛLX AR
 10543 23-06 1446 RIP90 de RCV QTC 495 36 23 1337 495 = NAWIP 033 1386 KARTA 34209 KIPR STRELXBY PO 26 IUNX 0600
 DO 2000 I 27 IÛNX 0600 DO 1000 PLAWANIE OPASNO RAJONE RADI USOM 4 MILI IZ 34/56/9 S 033/51/6
 W OTM ÉTOT NR 27 1100 IÛNX AR
 10543 23-06 1452 RIP90 de RCV QTC 496 13 23 1338 496 = NAWIP 033 1385 OTM 033 2223/13 POLUÛNII IM 4131/14 UNIO
 OTM ÉTOT NR AR

8345 kHz, 25-06

0217 VVV RIW DE RMRV QSA?
 0218 RIW DE RMRV QSA1
 0319 RIW DE RMRV QYT4 QSX 11893
 0507 VVV RIW DE RHC86 QSA?
 0508 [RHC86 totally blocks
 freq with a continuous tone for 1 min]
 0511 VVV RIW DE RHC86 QSA?
 0513 VVV RIW DE RMRV QSA?
 0514 RMRV QYT4 QSX 8623
 0518 RIW DE RMRV QSA3 QRV
 0523 RIW DE RMRV QYT4 QSX 8623
 0535 RMRV QYT4 QSX 117?8
 0540 RMRV OK QYT4 QMO
 1732 VVV RCV DE RFH70 QSA?
 1737 RCV DE RFH70 QYT4 QSX 7984

12464 kHz, 25-06

1115 RIW DE RCRE AS2
 1123 RCRE OK QYT4 QSX 18952
 1141 RCRE OK QYT4 QSX 12394
 1200 RIW DE RCRE OK QYT4 QCM
 1207 RCRE OK QYT4 QSX 12386
 1228 RCRE OK QYT4 QSA NO QCM
 1240 RFH70 79254 RABOZEPI 2626 7267
 1403 VVV RCV DE RKB91 QSA? QTC
 1405 RKB91 776 18 25 1800 776 = SML FOR RMP =
 11111 ?7430 49447 25015 = + RKB91
 1455 RIW DE RMRV QYT4 QLS
 1506 RMRV QYT4 QSX 8678
 1517 RMRV OK QYT4 QWH 8338
 1519 RCV DE RFH70 QSA2
 1522 RCV DE RFH70 OK QYT4 QSX 9888
 1601 RIW DE RMRV QYT4 QSX 8787
 1603 RMRV QYT4 QSX 8787
 1607 RMRV OK QYT4 QWH 12374
 1608 RMRV QYT4 QSX 6255

12464 kHz, 26-06

1223 RFH70 6420 6 IFAKTION 4443 4553
 1234 RFH70 6420 6 DIFAKTION 4443 4553
 1240 RMBB 826 195 26 1640 826 = RKT =
 MMMMM OKUPCh (faded)
 1303 RIW DE RMRV QSA1
 1304 RIW DE RMRV QYT4 QSA?
 1305 VVV RCV DE RFH70 QSA?
 1320 VVV RCV DE RMBB QSA? QTC
 1353 RCV DE RFH70 QYT4 QMO
 1402 RKB91 132 18 26 1800 132 =
 SML ??? = 11111 06090 (faded)
 1624 RIW DE RHC86 QSA4
 1627 RHC86 OK QYT4 QWH 11429

12464 kHz, 27-06

1116 VVV RIW DE RHC86 QSA?
 1118 RHC86 QYT4 QSA?
 1129 RIW DE RMRV NO QYT4 QSX 12374 QMO
 1135 RIW DE RHC86
 (lots of stepping on each other by RHC86/RMRV)
 1143 RMRV QYT4 QSX 11842
 1151 RIW DE RMRV QYT4 QSA NO
 1155 RMRV QYT4 QSX 11928
 1207 RIW DE RMRV OK QYT4 QWH 8338
 1213 RIW DE RMRV OK QYT4 QCM
 1218 RMRV QYT4 QLS
 1221 RIW DE RMRV OK QYT4 QWH 8330
 1236 RIW DE RHC86
 1238 RMRV QYT4 QMO
 1239 RIW DE RHC86 QYT4 QLS
 1336 VVV RCV DE RHV42 QSA?
 1416 VVV RCV DE RFH70 QSA?



M32b
Russian Naval Aviation
Aviatsiya Voennno-morskogo Flota Rossii

6989 kHz, 07-06, 2100 UTC

RAL2 DE RBL66 QSA 2 K
 QSA 4 ZNN ZNN VA VA

6989 kHz, 08-06, 2100 UTC

RAL2 DE RGS2 QSA 4 K
 QSA 4 ZNN ZNN VA VA
 RMW2 DE RAL2 QSA ? K
 RMW2 QSA 3 ? K
 QSA 3 ZNN ZNN VA SK
 RHQ2 DE RAL2 QSA ? K
 RAL2 DE RHQ2 QSA .
 QSA 4 ZNN ZNN VA
 RBL66 DE RAL2 QSA ? K
 RAL2 DE RBL66 QSA 2 K
 QSA 4 ZNN ZNN SK

6989 kHz, 25-06, 1904 UTC

DE RAL2 K
 RHQ2 DE RALS K
 RAL2 DE RHQ2 QSA 4 K
 QSA 3 QRU VA
 QRU VA
 RBL6 DE RAL2 K
 RBL66 DE RAL2 K
 RMW2 DE RAL2 K
 RWM2 QSA 3 ? K
 QSA 3 QRU VA
 QRU VA
 RBL66 DE RAL2 QSA NO ? K

6989 20-06 1701 RAL2: Traffic with stations RHQJ RGH2 RMW2 R.L66
8816 16-06 1804 RJF94: Russian Naval Aviation Transport control Moscow receiving simplex QTC from aircraft 26920
8816 21-06 0725 RJF94 RJC38 DE QTO 0715 QRD XLWF XLMV QBD 5800 QRE 1015 K - QQL ULPE 0825 QBG 5800 K - QAY
XLPB 0930 QRE XLWF1030 K - QQM ...II II
8816 21-06 1210 RJF94 RJC38 DE 26920 QTO 1145 QRD XLMV XLWF QBD 5000 QRE 1435 K - QAY XLPB 1240 QBG 6100 K -
QQM XLMV 1430 SK
6989 23-06 1701 RAL2 Traffic with stations RHQ2 RGH2 RMW2 RBL66
14587 24-06 0936 RJE65 de RAA QYT4 QMO K -- RAA de RJE 65 OK K
10543 24-06 0937 RHV42 de RCV K
14587 24-06 1001 RJE65 de RAA QYT4 QMO K -- RAA de RJE65 OK QYT4 QMO K
14587 24-06 0900 RAA 894 23 24 1130 794 = RNLZD WPSNN AFCBU LVAUK QIGÔÔ UORSK +NAGÛ R+EKS MP+NU OCGTÔ
UZSOI ÂÔÂTG CÂFMÔ LÔÂVÂ EIRCF ODNJE DKOKB DFÔCJ +ÂONA JANUV ÛRKOB PEÔUÔ WRPWW = RPT
AL AR RJE57 K
14587 24-06 1015 RCV de RAA QRR3 SK K -- RAA de RCV OK QRR3 SK K
14587 24-06 1017 RJE57 de RAA QYT9 K -- de RJE57 OK QYT9 K
14587 24-06 1028 RJE65 de RAA QYT4 SK K -- de RJE65 OK QYT4 SK K - de RAA R K



M32c
Russian Air Force
Voyenno-vozdushnye sily Rossii

Russian Air Force Tu-95MS Bear H net.

8895 kHz, 17-06

1914 D3M2 DE KFE4 K. QRV K. D3M2 DE KFE4 = 978 975 596 K.
2109 D3M2 DE KFE4 K. KFE4 = 387 707 827 K.
2124 D3M2 DE 1JTN QSA 3 K.

8895 kHz, 18-06

1857 KFE4 = 904 797 680 K
1924 D3M2 DE KFE4 K. QSA 1 K.
1932 LSTE DE KFE4 QRV K

8895 kHz, 26-06

0750 Q3ZT DE TV6P
0753 [TV6P] RPT
0754 TV6P QRV
0755 TV6P R = 341 808 793 180 614 841
0800 W-markers at 0800, 0820, 0840, 0900, 0920, 0940, 1000, 1020 UTC
0845 TV6P QRV
0847 BK TV6P QSA NO
0849 [TV6P] QSA1 QSV
0852 TV6P R = 497 211 409 359 463 418



EMERGENCY ACTION MESSAGES & SKYKING MESSAGES

Frequencies: 4724, 6712, 8992, 11175, 15016 kHz

Contributors: Dave, Les, Ron

1 June

2308 Mainsail: EAM for GHRFYJ disregard Mainsail out
2310 Mainsail: EAM for GHTIR6
2315 Mainsail: EAM for GH5SY2
2316 Mainsail: EAM for GHT65I

2 June

1634 Mainsail: EAM for GHYIMM

3 June

0832 Mainsail SKYKING DNA K74 32 EC
1306 Mainsail GHNN4N 30 chr EAM
1310 Mainsail GHQZY 30 chr EAM
1319 Mainsail UXB 19 WG Skyking DNA disregard after second reading
1320 Mainsail UXB 20 MK Skyking DNA
2320 Mainsail XXG 20 MK Skyking DNA
1322 Mainsail GH5OTA 30 chr EAM
1335 Mainsail GHDMIL 30 chr EAM
1335 Mainsail GHQZY repeat
1503 Mainsail MN3 03 ?? Skyking DNA
1551 Mainsail 3BIH6I 39 chr EAM
1631 Mainsail 3BIH6I 39 chr repeat
1646 Mainsail GHROJV 30 chr EAM
2137 Mainsail GHSEHB 30 chr EAM
2149 Mainsail GHMZ3Q 30 chr EAM poor signal
2200 Mainsail GHMZ3Q repeat

5 June

1138 Mainsail GHD57F. Repeated at 1159Z & 1231Z.
1219 Mainsail SYS 19 MJ Skyking DNA
1234 Mainsail GHD57F 30 chr EAM
1300 Mainsail GHD57F repeat
1309 Mainsail Three Skyking messages. Unable to make out.
1311 Mainsail GHU5BF 30 chr EAM
1326 Mainsail GHLTOP chr chr EAM
1330 Mainsail GHLTOP repeat
1332 Mainsail GHU5BF repeat
1359 Mainsail GHO5XK 30 chr EAM (bad QRN)
1405 Mainsail GHFSCZ 30 chr EAM
1509 Mainsail Mainsail Test Count 12345 54321
1510 Mainsail Hickam with a test count 12345 54321 Hickam Out
1520 Mainsail 3BRR7T C4KBP7QETCATNFSMQZ64OPWP for MY PERSONS?
1530 Mainsail 3BRR7T C4KBP7QETCATNFSMQZ64OPWP for MIDAS TOUCH
1550 Mainsail GHO7BP 5GP7GURHX7UOBPFNU36KPVTV 30 chr EAM
1600 Mainsail GHO7BP 5GP7GURHX7UOBPFNU36KPVTV 30 chr EAM
1602 Mainsail 3BRR7T C4KBP7QETCATNFSMQZ64OPWP for MIDAS TOUCH repeat
1611 Mainsail 3BEKWD 23NRWMH5WMWC7J5AF7G33PT6 30 chr EAM
1631 Mainsail GHO7BP repeat
1700 Mainsail GHO7BP repeat
1722 Mainsail GHT2A3 XMAZJOSNTU2BIKN2YTC=N2M 30 chr EAM
1726 Mainsail GHFWKX UHHNB2RV2TZ5VTRFNJYIMO7R 30 chr EAM

1732 Mainsail GHFWKX repeat
1734 Mainsail GHT2A3 repeat
1735 Mainsail GHO7BP repeat
1735 Mainsail GHYMW3 XJZU4SHEBRVEHJX2JEY4K3O3 30 chr EAM
1757 Mainsail BWR 57 SG Skyking DNA
1800 Mainsail GHYMW3 repeat
1813 Mainsail GH4HLN Z3DH22OJGYZGBCA5ZYVVZAUO 30 chr EAM
1823 Mainsail GH36UT U64U66VNAYVGSOPWCAICY435 30 chr EAM
1830 Mainsail GH36UT repeat
1857 Mainsail Test Count 12345 54321
2043 Mainsail AIY 43 YI Skyking DNA
2047 Mainsail 3B5O2C 2TZ6N4VCMNXJUNLZ33XG7EKF for LINE 25 30 chr EAM
2052 Mainsail UU6 52 E? Skyking DNA
2117 Mainsail GHOQGA NVIC4QDCH7WEP3PCCSH4VFBL 30 chr EAM
2119 Mainsail EAM for GHOQGA
2148 Mainsail EAM for GHUUW6
2149 Mainsail GH2PQB 30 chr EAM
2356 Mainsail EAM for 3BWZQ7

6 June

0001 Mainsail EAM for 3BYZQB
0004 Mainsail EAM for 3BD723
1721 Mainsail EAM for 3BPA4K

8 June

0533 Mainsail EAM for GH2VD7
0535 Mainsail EAM for GHWW2K
0536 Mainsail EAM for GHQEWG
0540 Mainsail EAM for GHZIX5
0543 Mainsail EAM for GHN4JE

11 June

0641 Mainsail EAM for GHO6P7

12 June

0854 Mainsail SKY KING RZQ 54 DO

13 June

1830 Mainsail EAM for DFU5WX
1833 Mainsail EAM for DF5GEN
1834 Mainsail EAM for DFL352

25 June

1049 Mainsail 56 char. EAM TX63K4 4IJ7NQNFYDLW77QUCLAPEMJWWKKHNGIEW3THWKKKKCWRREYPPFU
1100 Mainsail 56 char. EAM TX63K4 4IJ7NQNFYDLW77QUCLAPEMJWWKKHNGIEW3THWKKKKCWRREYPPFU

LOGS SECTION

The logs are sorted on Code / date / UTC / Frequency

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
13441	---	19-6-2014	0737	Thu	Unid Russian station	MFSK 66-tone	(AB)
6503	---	23-6-2014	1224	Mon	i.p. 121 = 7721 = VVV 10598 45878 25484 25888 65874 54777 66898 02478 87214 57412 K	CW	(JPL-Sib)
7550	---	27-6-2014	1044	Fri	Unid i.p. 32535 261 34111.1.....1111 (see N&O 201)	CW	(JPL-Sib)
6450	ARM	23-6-2014	2006	Mon	Armenian Air Defence. Bearings.	USB	(AB)
6450	ARM	24-6-2014	1846	Tue	Armenian Air Defence. Bearings.	USB	(AB)
6450	ARM	25-6-2014	1720	Wed	Armenian Air Defence. Bearings.	USB	(AB)
18611	CHN	26-6-2014	0820	Thu	F IPCD IPCD IPCD DE VSF93 VSF93 VSF93 HR ZNN SK ZNN SK WWA	LSB 4+4	(EW)
15960	E06	5-6-2014	0500	Thu	328 764 109 96160	USB	(HFD)
17465	E06	5-6-2014	0600	Thu	328	USB	(HFD)
5731	E06	6-6-2014	2130	Fri	315 274 20 45673 56743 87653 ... 56846 42170 63217 274 20 00000	USB	(Danix)
5156	E06	11-6-2014	1920	Wed	376 376 376 00000	USB	(Danix)
4592	E06	11-6-2014	2020	Wed	376 376 376 00000	USB	(Danix)
7982	E06	15-6-2014	1120	Sun	376 376 376 00000	USB	(Danix)
7493	E06	15-6-2014	1220	Sun	376 376 376 00000	USB	(Danix)
17483	E06	18-6-2014	1700	Wed	354 910 72 51072 15101 04503 ... 01508 06242 910 72 00000	AM	(Avare)
15960	E06	19-6-2014	0500	Thu	328 764 109 96160 40569 30766 ... 41822 58558 54241 764 109 00000	USB	(Danix)
17470	E06	19-6-2014	0600	Thu	328 764 109 96160 40569 30766 ... 41822 58558 54241 764 109 00000	USB	(Danix)
15960	E06	20-6-2014	0500	Fri	328 764 109 96160 40569 30766 ... 41822 58558 54241 00000	AM	(AB)
5731	E06	20-6-2014	2130	Fri	315 74? ?0 45676 56743 87656?????	AM	(Dan)
12207	E06b	25-6-2014	1130	Wed	509 25614 243 243 79 79 38754 25915 12367 ... 07935 87014 34916 243 243 79 79 00000	AM	(AB/Danix)
14845	E07	1-6-2014	0017	Sun	i.p.	AM	(Durk)
15824	E07	2-6-2014	1900	Mon	865 1 515 113 14733	USB	(HFD)
14624	E07	2-6-2014	1920	Mon	865 1	USB	(HFD)
13524	E07	2-6-2014	1940	Mon	865 1	USB	(HFD)
14842	E07	4-6-2014	1700	Wed	841 841 841 000	USB	(HFD)
13442	E07	4-6-2014	1720	Wed	841 841 841 000	USB	(HFD)
15824	E07	4-6-2014	1900	Wed	865 1 515 113 14733 10906 29419 ... 32449 63528 20874 000 000	AM	(Danix)
14842	E07	11-6-2014	1700	Wed	841 841 841 000	AM	(Avare)
14842	E07	11-6-2014	1700	Wed	841 841 841 000	AM	(Danix)
15824	E07	11-6-2014	1900	Wed	865 1 640 15 25680 01600 45007 ... 37399 12109 74291 000 000	AM	(Danix)
12213	E07	12-6-2014	2010	Thu	273 273 273 000	USB	(HFD)
10714	E07	12-6-2014	2030	Thu	273 273 273 000	USB	(HFD)
14842	E07	25-6-2014	1700	Wed	841 841 841 000	AM	(AB)
14842	E07	25-6-2014	1700	Wed	841 841 841 000	AM	(AB)
12213	E07	26-6-2014	2010	Thu	273 273 273 000	AM	(Danix)
15824	E07	30-6-2014	1900	Mon	865 865 865 000	USB	(Dan)
14624	E07	30-6-2014	1920	Mon	865 865 865 000	USB	(Dan)
8173	E07a	4-6-2014	2000	Wed	147 147 147 000	USB	(HFD)
7473	E07a	4-6-2014	2020	Wed	147 147 147 000	USB	(HFD)
12182	E07a	6-6-2014	1510	Fri	101 101 101 000	USB	(HFD)
12182	E07a	6-6-2014	1510	Fri	101 101 101 000	USB	(GHn)
11082	E07a	6-6-2014	1530	Fri	101 101 101 000	USB	(HFD)
13373	E07a	14-6-2014	0800	Sat	338 1 15248 7437 63 39767	USB	(HFD)
13373	E07a	14-6-2014	0800	Sat	338 1 15248 7437 63 39767 22919 96037 ... 85803 87796 96290 000 000	USB	(AB)
14373	E07a	14-6-2014	0820	Sat	338 1-15248	USB	(HFD)
14373	E07a	14-6-2014	0820	Sat	338 1 15248 7437 63 39767 22919 96037 ... 85803 87796 96290 000 000	USB	(AB)
14873	E07a	14-6-2014	0840	Sat	338 1 15248	USB	(HFD)
14873	E07a	14-6-2014	0840	Sat	338 1 15248 7437 63 39767 22919 96037 ... 85803 87796 96290 000 000	USB	(AB)
14373	E07a	21-6-2014	0820	Sat	338 338 338 00000	USB	(AB)
13373	E07a	28-6-2014	0800	Sat	338 338 338 000	USB	(AB)
14373	E07a	28-6-2014	0820	Sat	338 338 338 000	USB	(AB)
10800	E11	2-6-2014	0450	Mon	416/00	USB	(Danix)
14865	E11	4-6-2014	1705	Wed	392/00	USB	(HFD)
14865	E11	4-6-2014	1705	Wed	392/00	USB	(Danix)
10356	E11	5-6-2014	1530	Thu	262/00	USB	(Danix)
4909	E11	7-6-2014	0900	Sat	248/00	USB	(Danix)
9130	E11	7-6-2014	2005	Sat	369/00	USB	(Danix)
9130	E11	7-6-2014	2005	Sat	369/00	USB	(HFD)
9130	E11	8-6-2014	2005	Sun	369/00	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
10800	E11	9-6-2014	0450	Mon	416/00	USB	(Danix)
4909	E11	11-6-2014	1445	Wed	287/00	USB	(Danix)
4909	E11	12-6-2014	0901	Thu	248/00	USB	(KK2)
4909	E11	14-6-2014	1445	Sat	287/00	USB	(Danix)
14865	E11	14-6-2014	1705	Sat	392/00	USB	(HFD)
9130	E11	15-6-2014	2005	Sun	369/00	USB	(Danix)
16335	E11	16-6-2014	1540	Mon	228/00	USB	(Danix)
13908	E11	17-6-2014	1300	Tue	133/00	USB	(Danix)
8565	E11	19-6-2014	0315	Thu	253/00	USB	(Danix)
16335	E11	19-6-2014	1155	Thu	718/00	USB	(Danix)
10356	E11	19-6-2014	1530	Thu	262/00	USB	(Danix)
12182	E11	20-6-2014	1510	Fri	101/00	USB	(GHn)
13424	E11	24-6-2014	0645	Tue	517/00	USB	(Danix)
9610	E11	24-6-2014	1045	Tue	469/00	USB	(Danix)
13908	E11	24-6-2014	1300	Tue	133/00	USB	(Danix)
10213	E11	25-6-2014	0930	Wed	270/00	USB	(Danix)
9610	E11	25-6-2014	1045	Wed	469/00	USB	(Danix)
4909	E11	25-6-2014	1445	Wed	287/00	USB	(AB)
8725	E11	26-6-2014	0820	Thu	438/00	USB	(Danix)
4909	E11	26-6-2014	0900	Thu	248/00	USB	(Danix)
10213	E11	26-6-2014	0930	Thu	270/00	USB	(Danix)
8530	E11	27-6-2014	2000	Fri	576/00 followed by the Windows XP shutdown sound	USB	(Danix)
14865	E11	28-6-2014	1705	Sat	392/00	USB	(Danix)
13722	E11a	3-6-2014	1400	Tue	982/10 53342 86722 39938 75756 00485 17749 37980 93424 60383 31181	USB	(Danix)
14518	E11a	3-6-2014	1810	Tue	983/10 74129 18105 70073 19634 74388 08097 42878 28016 45732 29384 Attention, rpt msg, out	USB	(GHn)
10213	E11a	4-6-2014	0930	Wed	278/34 54924 74262 02390 ... 12693 34547 07306	USB	(Danix)
16335	E11a	4-6-2014	1155	Wed	710/38 37357 97189 81412 ... 04412 02705 56909	USB	(Danix)
10487	E11a	6-6-2014	1710	Fri	959/27 61755 89242 94791 ... 24358 18414 27178	USB	(Danix)
4909	E11a	7-6-2014	1445	Sat	288/38 95365 96225 95306 ... 69153 00223 38903	USB	(Danix)
14518	E11a	7-6-2014	1810	Sat	988/10 05324 48204 31135 47610 17000 31106 53985 17798 19541 95348	USB	(Danix)
9610	E11a	9-6-2014	0745	Mon	266/37 28896	USB	(HFD)
10356	E11a	12-6-2014	1530	Thu	266/37 28896 39238 72704 ... 13415 54206 01095	USB	(Danix)
10487	E11a	13-6-2014	1710	Fri	959/27 82340 22875 43026 ... 85254 42559 91499	USB	(Danix)
14518	E11a	14-6-2014	1810	Sat	985/10 89517 52779 94620 17634 99773 20431 76415 88981 09302 17068	USB	(Danix)
13722	E11a	17-6-2014	1400	Tue	983/10 attention 33125 54004 44713 37851 98694 14451 58334 30378 43706 63156 attention, msg rptd, out	USB	(GHn)
8725	E11a	19-6-2014	0820	Thu	436/33 Attention 42391 47382 45010 ... 67076 59081 10365 Attention, rpt msg, out	USB	(AB)
8725	E11a	19-6-2014	0820	Thu	436/33 42391 47382 45010 ... 67076 59081 10365	USB	(Danix)
4909	E11a	21-6-2014	0900	Sat	242/34 54452 83782 50473 ... 13839 05967 51091	USB	(Danix)
4909	E11a	21-6-2014	0903	Sat	i.p. barely audible	USB	(AB)
14865	E11a	21-6-2014	1705	Sat	394/34 75894 52080 60166 ... 70549 33502 17540	USB	(Danix)
14518	E11a	21-6-2014	1810	Sat	983/10 37444 57992 53142 42843 49182 41298 94174 36234 73243 67448	USB	(Danix)
10800	E11a	23-6-2014	0450	Mon	412/31 02671 51920 25943 ... 93145 44597 31691	USB	(Danix)
14769	E11a	24-6-2014	0530	Tue	981/10 80545 00883 79515 63970 74715 27050 48001 82587 47204 63560	USB	(Danix)
15632	E11a	24-6-2014	0745	Tue	338/35 20208 52856 77837 ... 28132 92616 84266	USB	(Danix)
14518	E11a	24-6-2014	1810	Tue	985/10 96616 49388 82852 32941 86560 27196 82740 56776 60906 02089	USB	(Danix)
13427	E11a	25-6-2014	0900	Wed	530/30 83051 74350 69289 ... 18517 31364 41620	USB	(Danix)
16388	E11a	28-6-2014	1110	Sat	950/31 39828 55178 05773 ... 54922 77553 40426	USB	(Danix)
14518	E11a	28-6-2014	1810	Sat	986/10 36519 36916 67826 94364 62203 98788 25374 83049 30574 55708	USB	(Danix)
9130	E11a	28-6-2014	2005	Sat	369/34 11310 90198 02972 ... 55378 05554 20616	USB	(Danix)
16780	E17z	19-6-2014	0800	Thu	674 832 5 46148 93238 42398 46590 52413	USB	(Danix)
16780	E17z	26-6-2014	0800	Thu	674 832 5 46148 93238 42398 46590 52413	USB	(Danix)
9151.7	EGY	9-6-2014	1548	Mon	Egyptian Diplo	SITOR-A 100/170	(MPJ)
16067.7	EGY	17-6-2014	2036	Tue	MFA Cairo clg XKMF Embassy Belgrade	SITOR-A 100/170	(AAI)
5783	G06	2-6-2014	1800	Mon	367 367 367 00000	USB	(Danix)
8134	G06	6-6-2014	2000	Fri	167 167 167 00000	USB	(Danix)
5412	G06	9-6-2014	1700	Mon	367 367 367 00000	USB	(HFD)
5837	G06	12-6-2014	1300	Thu	215 215 215 00000	USB	(Danix)
6887	G06	12-6-2014	1830	Thu	842 931 20 68534 58965 12467 43219 76890 53686 41238 53790 46579 76543 35497....93 off 69893 53689 654 off 54689 65432 54367 931 20 00000	AM	(Avare)
5943	G06	13-6-2014	1930	Fri	218 barely readable	AM	(GHn)
5837	G06	19-6-2014	1300	Thu	215 215 215 00000	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
10186	G06	20-6-2014	1900	Fri	167 167 167 00000	USB	(Danix)
5837	G06	26-6-2014	1300	Thu	215 215 215 00000	USB	(Danix)
6887	G06	26-6-2014	1833	Thu	842 931 20 37839 35787 98273 ... 60491 75924 04594 00000	USB	(Danix)
6887	G06	26-6-2014	1838	Thu	i.p.	AM	(AB)
5943	G06	27-6-2014	1929	Fri	218 347 20 37839 35787 98273 ... 60491 75924 04594 00000	USB	(Danix)
11435	HM01	1-6-2014	1600	Sun	17561 92781 11811 75728 69186 66209	AM/RDFT	(DSch)
11530	HM01	1-6-2014	1706	Sun	17561 92781 11811 75728 69186 66209	AM/RDFT	(DSch)
11635	HM01	1-6-2014	1800	Sun	17561 92781 11811 75728 69186 66209	AM/RDFT	(DSch)
11635	HM01	1-6-2014	2104	Sun	17561 92780 62108 75727 69185 66208	AM/RDFT	(DSch)
10715	HM01	1-6-2014	2200	Sun	17561 92780 62108 75727 69185 66208	AM/RDFT	(DSch/Dan)
11435	HM01	2-6-2014	1600	Mon	17561 92780 62108 75727 69185 66208	AM/RDFT	(DSch)
11635	HM01	2-6-2014	1803	Mon	Mixing with M08a. M08a off at 1803z. 17561 92780 62108 75727 69185 66208	AM/RDFT	(DSch)
11635	HM01	2-6-2014	2200	Mon	17561 92780 62108 75727 69185 66208 17561	AM/RDFT	(DSch/Dan)
10715	HM01	2-6-2014	2220	Mon	17561 92780 62108 75727 69185 66208 17561	AM/RDFT	(DSch)
14375	HM01	3-6-2014	0530	Tue	17561 92780 62108 75727 69185 66208	AM/RDFT	(07c)
14375	HM01	3-6-2014	0600	Tue	17561 92780 62108 75727 69185 66208	AM/RDFT	(07c)
11435	HM01	3-6-2014	1605	Tue	17561 92781 76621 75728 69186 66209	AM/RDFT	(DSch)
11530	HM01	3-6-2014	1712	Tue	17561 92781 76621 75728 69186 66209	AM/RDFT	(DSch)
11635	HM01	3-6-2014	1804	Tue	17561 92781 76621 75728 69186 66209	AM/RDFT	(DSch)
16180	HM01	3-6-2014	2104	Tue	17561 92781 76621 75728 69186 66209	AM/RDFT	(DSch)
17480	HM01	3-6-2014	2203	Tue	17561 92781 76621 75728 69186 66209	AM/RDFT	(DSch)
11435	HM01	4-6-2014	1602	Wed	17562 92782 76621 21131 69187 32311	AM/RDFT	(DSch)
11530	HM01	4-6-2014	1700	Wed	17562 92782 76621 21131 69187 32311	AM/RDFT	(DSch)
11635	HM01	4-6-2014	1800	Wed	17562 92782 76621 21131 69187 32311	AM/RDFT	(DSch)
10715	HM01	4-6-2014	2212	Wed	17562 92782 76621 21131 69187 32311	AM/RDFT	(DSch)
11530	HM01	5-6-2014	1659	Thu	17563 92783 76622 50631 69188 14761	AM/RDFT	(DSch)
11635	HM01	5-6-2014	1800	Thu	17563 92783 76622 50631 69188 14761	AM/RDFT	(DSch)
16180	HM01	5-6-2014	2100	Thu	17563 92783 76622 50631 69188 14761	AM/RDFT	(DSch)
17480	HM01	5-6-2014	2200	Thu	17563 92783 76622 50631 69188 14761	AM/RDFT	(DSch/07c)
5855	HM01	6-6-2014	0500	Fri	17563 92783 76622 50631 69188 14761	AM/RDFT	(SFNY)
11435	HM01	6-6-2014	1600	Fri	17564 92784 76623 50632 69189 14762	AM/RDFT	(DSch)
11530	HM01	6-6-2014	1657	Fri	17564 92784 76623 50632 69189 14762	AM/RDFT	(DSch)
11635	HM01	6-6-2014	1800	Fri	17563 92783 76622 50631 69188 32311	AM/RDFT	(DSch)
11635	HM01	6-6-2014	2109	Fri	17563 92783 76622 50631 69188 32311	AM/RDFT	(DSch)
10715	HM01	6-6-2014	2237	Fri	17563 92783 76622 50631 69188 32311	AM/RDFT	(DSch)
14375	HM01	7-6-2014	0500	Sat	17563 92783 76622 21131 69188 32311	AM/RDFT	(SFNY)
5855	HM01	8-6-2014	0500	Sun	17563 92783 76622 21131 69188 32311	AM/RDFT	(SFNY)
10345	HM01	8-6-2014	0500	Sun	17563 92783 76622 21131 69188 32311	AM/RDFT	(SFNY)
11435	HM01	8-6-2014	1602	Sun	17566 92786 76625 50634 44141 14764	AM/RDFT	(DSch)
11530	HM01	8-6-2014	1700	Sun	17566 92786 76625 50634 44141 14764	AM/RDFT	(DSch)
11635	HM01	8-6-2014	1811	Sun	17566 92786 76625 50634 44141 14764	AM/RDFT	(DSch)
11635	HM01	8-6-2014	2101	Sun	17566 92786 76625 50634 44141 14764	AM/RDFT	(DSch)
10715	HM01	8-6-2014	2200	Sun	17566 92786 76625 50634 44141 14764	AM/RDFT	(DSch)
5855	HM01	9-6-2014	0500	Mon	17563 92783 76622 21131 69188 32311	AM/RDFT	(SFNY)
10345	HM01	9-6-2014	0500	Mon	17563 92783 76622 21131 69188 32311	AM/RDFT	(SFNY)
11435	HM01	9-6-2014	1600	Mon	17567 92787 76626 50635 44142 14765	AM/RDFT	(DSch)
11635	HM01	9-6-2014	1802	Mon	17567 92787 76626 50635 44142 14765	AM/RDFT	(DSch)
10715	HM01	9-6-2014	2200	Mon	17563 92783 76622 21131 69188 32311	AM/RDFT	(Dan)
11635	HM01	9-6-2014	2210	Mon	17563 92783 76622 21131 69188 32311	AM/RDFT	(DSch)
10715	HM01	9-6-2014	2231	Mon	17563 92783 76622 21131 69188 32311	AM/RDFT	(DSch)
14375	HM01	10-6-2014	0500	Tue	17563 92783 76622 21131 69188 32311	AM/RDFT	(SFNY)
11435	HM01	10-6-2014	1600	Tue	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11530	HM01	10-6-2014	1709	Tue	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11635	HM01	10-6-2014	1802	Tue	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
16180	HM01	10-6-2014	2102	Tue	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
5855	HM01	11-6-2014	0500	Wed	17568 92788 76627 50636 44143 14766	AM/RDFT	(SFNY)
11435	HM01	11-6-2014	1600	Wed	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11530	HM01	11-6-2014	1710	Wed	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11635	HM01	11-6-2014	1802	Wed	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11635	HM01	11-6-2014	2111	Wed	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
10715	HM01	11-6-2014	2200	Wed	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch/Dan)
14375	HM01	12-6-2014	0500	Thu	17568 92788 76627 50636 44143 14766	AM/RDFT	(SFNY)
11435	HM01	12-6-2014	1600	Thu	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
17568	HM01	12-6-2014	1600	Thu	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11530	HM01	12-6-2014	1659	Thu	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
11530	HM01	12-6-2014	1659	Thu	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11635	HM01	12-6-2014	1803	Thu	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11635	HM01	12-6-2014	1803	Thu	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
16180	HM01	12-6-2014	2101	Thu	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
17180	HM01	12-6-2014	2101	Thu	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
17480	HM01	12-6-2014	2158	Thu	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
17480	HM01	12-6-2014	2158	Thu	17568 stopped at 2158z. On & off frequently.	AM/RDFT	(DSch)
5855	HM01	13-6-2014	0500	Fri	17568 92788 76627 50636 44143 14766	AM/RDFT	(SFNY)
17568	HM01	13-6-2014	1600	Fri	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11530	HM01	13-6-2014	1738	Fri	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11635	HM01	13-6-2014	1800	Fri	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
8135	HM01	13-6-2014	2303	Fri	17563 92783 76622 21131 69188 32311 (should be M08a)	AM/RDFT	(DSch)
11530	HM01	14-6-2014	1702	Sat	17563 92783 76622 21131 69188 32311	AM/RDFT	(DSch)
11635	HM01	14-6-2014	1805	Sat	17563 92783 76622 21131 69188 32311	AM/RDFT	(DSch)
16180	HM01	14-6-2014	2104	Sat	17563 92783 76622 21131 69188 32311	AM/RDFT	(DSch)
17480	HM01	14-6-2014	2202	Sat	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
9155	HM01	15-6-2014	1016	Sun	17568 92788 76627 50636 44143 14766	AM/RDFT	(samsom)
11435	HM01	17-6-2014	1603	Tue	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11530	HM01	17-6-2014	1707	Tue	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
11635	HM01	17-6-2014	1808	Tue	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
7554	HM01	17-6-2014	2001	Tue	17568 92788 76627 50636 44143 14766	AM/RDFT	(DSch)
16180	HM01	17-6-2014	2105	Tue	17569 22691 54011 50637 44144 14767	AM/RDFT	(DSch)
11435	HM01	18-6-2014	1633	Wed	56451 26692 54011 50638 44145 14768	AM/RDFT	(DSch)
11530	HM01	18-6-2014	1710	Wed	56451 26692 54011 50638 44145 14768	AM/RDFT	(DSch)
11635	HM01	18-6-2014	1841	Wed	56451 26692 54011 50638 44145 14768	AM/RDFT	(DSch)
11635	HM01	18-6-2014	2115	Wed	56451 26692 54011 50638 44145 14768	AM/RDFT	(DSch)
10715	HM01	18-6-2014	2200	Wed	56451 26692 54011 50638 44145 14768	AM/RDFT	(DSch)
8009	HM01	18-6-2014	2302	Wed	56451 26692 54011 50638 44145 14768 mixing with M08a	AM/RDFT	(DSch)
14375	HM01	19-6-2014	0500	Thu	56451 26692 54011 50638 44145 14768	AM/RDFT	(SFNY)
13435	HM01	19-6-2014	0729	Thu	56451 26692 54011 50638 44145 14768	AM/RDFT	(AB)
11635	HM01	19-6-2014	0800	Thu	56451 26692 54011 50638 44145 14768	AM/RDFT	(AB)
11635	HM01	19-6-2014	1000	Thu	56451 26692 54011 50638 44145 14768	AM/RDFT	(AB)
11435	HM01	19-6-2014	1636	Thu	56451 26692 54011 50638 44145 14768	AM/RDFT	(DSch)
11530	HM01	19-6-2014	1712	Thu	56451 26692 54011 50638 44145 14768	AM/RDFT	(DSch)
16180	HM01	19-6-2014	2109	Thu	56451 26692 54011 50638 44145 14768	AM/RDFT	(DSch)
16180	HM01	19-6-2014	2159	Thu	56451 26692 54011 50638 44145 14768. Should be on 17480. Stops at 2204 UTC	AM/RDFT	(DSch)
17480	HM01	19-6-2014	2205	Thu	56451 26692 54011 50638 44145 14768	AM/RDFT	(DSch)
8135	HM01	19-6-2014	2303	Thu	17569 26691 44011 50637 44144 14767. Should be M08a	AM/RDFT	(DSch)
5855	HM01	20-6-2014	0500	Fri	barely audible	AM/RDFT	(SFNY)
10345	HM01	20-6-2014	0600	Fri	56451 26693 54012 28261 44146 83751	AM/RDFT	(SFNY)
10345	HM01	20-6-2014	0600	Fri	56451 26693 54012 28261 44146 83751	AM/RDFT	(AB)
11435	HM01	20-6-2014	1602	Fri	56452 26694 54013 28261 44147 83751	AM/RDFT	(DSch)
11530	HM01	20-6-2014	1731	Fri	56452 26694 54013 28261 44147 83751	AM/RDFT	(DSch)
11635	HM01	20-6-2014	1805	Fri	56452 26694 54013 28261 44147 83751	AM/RDFT	(DSch)
11635	HM01	20-6-2014	2058	Fri	56452 26694 54013 28261 44147 83751	AM/RDFT	(DSch)
10715	HM01	20-6-2014	2200	Fri	56452 26694 54013 28261 44147 83751	AM/RDFT	(DSch)
14375	HM01	21-6-2014	0500	Sat	barely audible	AM/RDFT	(07c)
14375	HM01	21-6-2014	0600	Sat	56452 26694 54013 28261 44147 83751	AM/RDFT	(AB)
13435	HM01	21-6-2014	0700	Sat	56452 26694 54013 28261 44147 83751	AM/RDFT	(AB)
11635	HM01	21-6-2014	0800	Sat	56452 26694 54013 28261 44147 83751	AM/RDFT	(AB)
11435	HM01	21-6-2014	1601	Sat	56453 26695 54014 28262 44148 83752	AM/RDFT	(DSch)
11435	HM01	21-6-2014	1616	Sat	56464 26696 54015 28263 44149 83753	AM/RDFT	(07c)
11530	HM01	21-6-2014	1701	Sat	56453 26695 54014 28262 44148 83752	AM/RDFT	(DSch)
11530	HM01	21-6-2014	1715	Sat	i.p. 56453 26695 54014 28262 44148 83752	AM/RDFT	(07c)
11635	HM01	21-6-2014	1805	Sat	56453 26695 54014 28262 44148 83752	AM/RDFT	(DSch)
11635	HM01	21-6-2014	1845	Sat	56464 26696 54015 28263 44149 83753	AM/RDFT	(07c)
16180	HM01	21-6-2014	2102	Sat	56453 26695 54014 28262 44148 83752	AM/RDFT	(DSch)
16180	HM01	21-6-2014	2115	Sat	56464 26696 54015 28263 44149 83753	AM/RDFT	(07c)
17480	HM01	21-6-2014	2234	Sat	56453 26695 54014 28262 44148 83752	AM/RDFT	(DSch)
12180	HM01	24-6-2014	1010	Tue	i.p.	AM/RDFT	(rusl)
17480	HM01	25-6-2014	2000	Wed	56456 26698 54017 28265 82041 83755	AM/RDFT	(07c)
11635	HM01	25-6-2014	2100	Wed	56457 44701 54018 28266 82042 83756	AM/RDFT	(07C)
10715	HM01	25-6-2014	2200	Wed	56457 44701 54018 28266 82042 83756	AM/RDFT	(Dan)
8009	HM01	25-6-2014	2300	Wed	17569 22691 54011 50637 44144 14767 (should be M08a)	AM/RDFT	(07c)
8135	HM01	25-6-2014	2315	Wed	17569 26691 54011 50637 44144 14767. Mixing with M08a	AM/RDFT	(07c)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
14375	HM01	26-6-2014	0630	Thu	56457 44701 54018 28266 82042 83756	AM/RDFT	(AB)
13435	HM01	26-6-2014	0700	Thu	56457 44701 54018 28266 82042 83756	AM/RDFT	(AB)
14375	HM01	28-6-2014	0600	Sat	56458 44701 75471 28267 82043 83757	AM/RDFT	(AB)
13435	HM01	28-6-2014	0700	Sat	56458 44701 75471 28267 82043 83757	AM/RDFT	(AB)
11464	HM01	28-6-2014	0900	Sat	56458 44701 75471 28267 82043 83757	AM/RDFT	(AB)
11635	HM01	28-6-2014	1000	Sat	56458 44701 75471 28267 82043 83757 //12120 kHz	AM/RDFT	(AB)
12180	HM01	28-6-2014	1000	Sat	56458 44701 75471 28267 82043 83757 //11635 kHz	AM/RDFT	(AB)
5855	HM01	29-6-2014	1013	Sun	56458 44701 75471 28267 82043 83757	AM/RDFT	(DAU)
10345	HM01	30-6-2014	0600	Mon	56458 44701 75471 28267 82043 83757	AM/RDFT	(AB)
9330	HM01	30-6-2014	0700	Mon	56458 44701 75471 28267 82043 83757	AM/RDFT	(AB)
5280	M01	3-6-2014	1800	Tue	025 921 30 == 92113 96171 95858 ... 03356 76443 92521 == 921 30 000	CW	(Danix)
4905	M01	3-6-2014	2000	Tue	025 443 30 == 53878 40305 76484 ... 64425 27968 36224 == 443 30 000	CW	(Danix)
5280	M01	5-6-2014	1800	Thu	025 389 30 == 92119 06554 51558 ... 81898 42013 88317 == 389 30 000	CW	(Danix)
8167	M01	5-6-2014	1830	Thu	058 631 631 52 52 == 11427 14585 51935 02546 80306 ... 20965 10653 09590 29525 44344 == 631 631 52 52 00000	CW	(MPJ)
4905	M01	12-6-2014	2000	Thu	Very poor keying. Barely made out anything.	CW	(Danix)
6435	M01	14-6-2014	1500	Sat	025 409 30 == 18994 38056 91048 ... 82275 46478 28756 == 409 30 000	CW	(Danix)
5280	M01	17-6-2014	1800	Tue	025 156 30 == 72231 71370 71073 ... 46563 37219 19252 == 156 30 000	CW	(Danix)
6435	M01	21-6-2014	1500	Sat	025 219 219 30 30 == == 55997 35428 38311 ... 37449 11019 67359 == == 219 219 30 30 000 000	CW	(Danix)
5280	M01	24-6-2014	1800	Tue	025 716 30 == 43477 62563 81813 ... 58330 02118 34071 == 716 30 000	CW	(Danix)
4905	M01	24-6-2014	2000	Tue	025 913 30 == 55748 63468 93880 ... 64916 43887 58555 == 913 30 000	CW	(Danix)
6780	M01	29-6-2014	0700	Sun	025 = 31530 == = 315 30 == = 01150 43586 95822 ... 59902 38457 87553 == = 31530 == = 315 30 000	CW	(Danix)
5095	M01b	5-6-2014	1832	Thu	831 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5760	M01b	5-6-2014	1832	Thu	831 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5075	M01b	6-6-2014	1902	Fri	336 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5465	M01b	6-6-2014	1902	Fri	336 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
4895	M01b	6-6-2014	2010	Fri	467 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5340	M01b	6-6-2014	2010	Fri	467 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5125	M01b	9-6-2014	1810	Mon	364 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5735	M01b	9-6-2014	1810	Mon	364 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5150	M01b	9-6-2014	1915	Mon	858 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5475	M01b	9-6-2014	1915	Mon	858 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5095	M01b	12-6-2014	1832	Thu	815 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5760	M01b	12-6-2014	1832	Thu	815 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5065	M01b	12-6-2014	1940	Thu	936 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5805	M01b	12-6-2014	1940	Thu	936 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5075	M01b	13-6-2014	1902	Fri	336 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5465	M01b	13-6-2014	1902	Fri	336 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
4895	M01b	13-6-2014	2010	Fri	467 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5340	M01b	13-6-2014	2010	Fri	467 631 45 == 19836 66417 24942 ... 22878 41599 83788 == 631 45 000	CW	(Danix)
5125	M01b	16-6-2014	1810	Mon	364 717 32 == 06351 25664 24402 ... 66619 62397 35680 == 717 32 000	CW	(Danix)
5735	M01b	16-6-2014	1810	Mon	364 717 32 == 06351 25664 24402 ... 66619 62397 35680 == 717 32 000	CW	(Danix)
5150	M01b	16-6-2014	1915	Mon	858 717 32 == 06351 25664 24402 ... 66619 62397 35680 == 717 32 000	CW	(Danix)
5475	M01b	16-6-2014	1915	Mon	858 717 32 == 06351 25664 24402 ... 66619 62397 35680 == 717 32 000	CW	(Danix)
5125	M01b	23-6-2014	1810	Mon	364 717 32 == 06351 25664 24402 ... 66619 62397 35680 == 717 32 000	CW	(Danix)
5735	M01b	23-6-2014	1810	Mon	364 717 32 == 06351 25664 24402 ... 66619 62397 35680 == 717 32 000	CW	(Danix)
5760	M01b	26-6-2014	1833	Thu	i.p. 815 717 32 == 5Fgs 000	CW	(AB)
5075	M01b	27-6-2014	1902	Fri	336 717 32 == 06351 25664 24402 ... 66619 62397 35680 == 717 32 000	CW	(Danix)
5465	M01b	27-6-2014	1902	Fri	336 717 32 == 06351 25664 24402 ... 66619 62397 35680 == 717 32 000	CW	(Danix)
5466	M01b	27-6-2014	1914	Fri	i.p. == 717 717 32 32 000	CW	(F5JBR)
4895	M01b	27-6-2014	2010	Fri	467 717 32 == 06351 25664 24402 ... 66619 62397 35680 == 717 32 000	CW	(Danix)
5340	M01b	27-6-2014	2010	Fri	467 717 32 == 06351 25664 24402 ... 66619 62397 35680 == 717 32 000	CW	(Danix)
7837	M03	5-6-2014	1320	Thu	430/38 == 70647 63937 48441 ... 06655 80332 40169 == 0 0 0	CW	(Danix)
7727	M03	9-6-2014	1320	Mon	543/00	CW	(Danix)
6524	M03	10-6-2014	1535	Tue	798/00	CW	(Danix)
7727	M03	11-6-2014	1320	Wed	543/00	CW	(Danix)
7837	M03	12-6-2014	1115	Thu	650/00	CW	(Danix)
6524	M03	14-6-2014	1535	Sat	798/00	CW	(Danix)
7837	M03	15-6-2014	1320	Sun	437/00	CW	(Danix)
7727	M03	16-6-2014	1320	Mon	549/31 == 10312 59493 92821 ... 70339 10823 82911 == 0 0 0	CW	(Danix)
6524	M03	17-6-2014	1535	Tue	798/00	CW	(Danix)
7837	M03	19-6-2014	1115	Thu	650/00	CW	(Danix)
7837	M03	19-6-2014	1320	Thu	437/00	CW	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
6524	M03	21-6-2014	1535	Sat	798/00	CW	(Danix)
7727	M03	23-6-2014	1320	Mon	543/00	CW	(Danix)
7837	M03	25-6-2014	1115	Wed	655/30 = = 22677 67068 63392 ... 05648 83617 44026 = = 0 0 0	CW	(Danix)
7873	M03	25-6-2014	1129	Wed	i.p. 655/30	CW	(AB)
7837	M03	26-6-2014	1320	Thu	437/00	CW	(Danix)
11635	M08a	2-6-2014	1800	Mon	Cuban cut nbrs: NWDIA DGARA UAADN mixing with HM01. M08a off at 1803z	CW	(DSch)
7554	M08a	3-6-2014	2010	Tue	Cuban cut nbrs	CW	(DSch)
8135	M08a	3-6-2014	2300	Tue	Cuban cut nbrs: RGUNN GNIUA TWAIA	CW	(DSch)
8096	M08a	4-6-2014	1409	Wed	Cuban cut nbrs	CW	(DSch)
8135	M08a	5-6-2014	2308	Thu	Cuban cut nbrs	CW	(DSch)
7554	M08a	6-6-2014	2003	Fri	Cuban cut nbrs: DUGTA ATGDN NAWRN	CW	(DSch)
8096	M08a	8-6-2014	1403	Sun	Cuban cut nbrs	CW	(DSch)
7554	M08a	8-6-2014	2005	Sun	Cuban cut nbrs	CW	(DSch)
8135	M08a	8-6-2014	2300	Sun	mixing with V02a	CW	(DSch)
7554	M08a	9-6-2014	2000	Mon	Cuban cut nbrs: DGAWN WNUIA RWGAA	CW	(DSch)
8009	M08a	9-6-2014	2303	Mon	Cuban cut nbrs	CW	(DSch)
7554	M08a	12-6-2014	2003	Thu	Cuban cut nbrs	CW	(DSch)
7554	M08a	12-6-2014	2008	Thu	Cuban cut nbrs	CW	(DSch)
8096	M08a	13-6-2014	1413	Fri	Cuban cut nbrs	CW	(DSch)
7554	M08a	13-6-2014	2003	Fri	Cuban cut nbrs	CW	(DSch)
8096	M08a	17-6-2014	1411	Tue	Cuban cut nbrs	CW	(DSch)
8135	M08a	17-6-2014	2310	Tue	Cuban cut nbrs	CW	(DSch)
8096	M08a	18-6-2014	1403	Wed	Cuban cut nbrs	CW	(DSch)
7554	M08a	18-6-2014	2004	Wed	Cuban cut nbrs	CW	(DSch)
8009	M08a	18-6-2014	2302	Wed	Cuban cut nbrs mixing with HM01	CW	(DSch)
7554	M08a	19-6-2014	1959	Thu	Cuban cut nbrs. TWDIA AWTAN NGDDA	CW	(DSch)
8096	M08a	20-6-2014	1420	Fri	Cuban cut nbrs. Late start	CW	(DSch)
7555	M08a	21-6-2014	2000	Sat	18262 22501 35022, then into message #1. Stop. Windows XP startup sound (see N&O 201)	CW	(Danix)
7554	M08a	21-6-2014	2001	Sat	Cuban cut nbrs. AGNRN NNWTA DWTNN	CW	(DSch)
8009	M08a	21-6-2014	2303	Sat	Cuban cut nbrs.	CW	(DSch)
8135	M08a	25-6-2014	2315	Wed	Mixing with HM01	CW	(07c)
6857	M12	2-6-2014	0430	Mon	850 850 850 000	CW	(Danix)
11435	M12	2-6-2014	1600	Mon	938 1 2837 107	CW	(Danix)
9176	M12	2-6-2014	1700	Mon	257 1 8113 127	CW	(Danix)
7931	M12	2-6-2014	1920	Mon	257 1 1717 105 1717 105 92378 33316 28613 14494 83941 56005 05437 81473 32807 57250 ...	CW	(JPL-Sib)
10343	M12	3-6-2014	1830	Tue	124 1 5949 57	CW	(Danix)
8047	M12	4-6-2014	1700	Wed	463 1 6634 52	CW	(Danix)
5788	M12	4-6-2014	1740	Wed	463 463 463 000	CW	(JPL-Sib)
10598	M12	4-6-2014	1830	Wed	938 1 5355 68	CW	(Danix)
9986	M12	4-6-2014	2100	Wed	903 903 903 000	CW	(Danix)
16269	M12	4-6-2014	2110	Wed	263 1	CW	(HFD)
16269	M12	4-6-2014	2110	Wed	268 1 3883 119	CW	(Danix)
14669	M12	4-6-2014	2130	Wed	263 1	CW	(HFD)
13369	M12	4-6-2014	2150	Wed	263 1	CW	(HFD)
13873	M12	5-6-2014	1310	Thu	834 1 258 139	CW	(Danix)
10343	M12	5-6-2014	1700	Thu	124 1 4592 143	CW	(Danix)
10343	M12	5-6-2014	1800	Thu	124 1 9967 120	CW	(Danix)
9176	M12	5-6-2014	1900	Thu	257 1 1593 63	CW	(Danix)
13369	M12	8-6-2014	2150	Sun	i.p.	CW	(DN)
11435	M12	9-6-2014	1600	Mon	938 1 6109 120	CW	(Danix)
9176	M12	9-6-2014	1800	Mon	257 1 6878 42	CW	(Danix)
9176	M12	9-6-2014	1900	Mon	257 1 5847 119	CW	(Danix)
8047	M12	11-6-2014	1700	Wed	463 1 1070 91	CW	(Danix)
16269	M12	11-6-2014	2110	Wed	263 263 263 000	CW	(Dan)
14669	M12	11-6-2014	2130	Wed	263 263 263 000	CW	(Dan)
10343	M12	12-6-2014	1700	Thu	124 1 4726 142	CW	(Danix)
10343	M12	12-6-2014	1700	Thu	124 1	CW	(HFD)
9264	M12	12-6-2014	1720	Thu	124 1	CW	(HFD)
8116	M12	12-6-2014	1740	Thu	124 1	CW	(HFD)
10343	M12	12-6-2014	1800	Thu	124 1 2933 100	CW	(Danix)
9176	M12	12-6-2014	1900	Thu	257 1 6078 56	CW	(Danix)
16269	M12	14-6-2014	2110	Sat	263 263 263 000	CW	(Danix)
11435	M12	16-6-2014	1600	Mon	938 1 3639 102	CW	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
8047	M12	16-6-2014	1700	Mon	463 1 8241 144 *replaced "257"	CW	(Danix)
9176	M12	16-6-2014	1800	Mon	257 1 7712 59	CW	(Danix)
9176	M12	16-6-2014	1900	Mon	257 1 7318 115	CW	(Danix)
10343	M12	17-6-2014	1830	Tue	124 1 3125 70	CW	(Danix)
8047	M12	18-6-2014	1700	Wed	463 1 5628 81	CW	(Danix)
11435	M12	18-6-2014	1830	Wed	938 1 3003 68	CW	(Danix)
9986	M12	18-6-2014	2100	Wed	903 903 903 000	CW	(Danix)
16269	M12	18-6-2014	2110	Wed	263 1 9972 85	CW	(Danix)
7984	M12	19-6-2014	0630	Thu	911 911 911 000	CW	(Danix)
13873	M12	19-6-2014	1310	Thu	834 1 5291 153	CW	(Danix)
11491	M12	19-6-2014	1640	Thu	725 1 8651 100	CW	(Danix)
10343	M12	19-6-2014	1700	Thu	124 1 5735 152	CW	(Danix)
6857	M12	23-6-2014	0430	Mon	850 850 850 000	CW	(Danix)
8047	M12	23-6-2014	1700	Mon	463 1 9201 143	CW	(Danix)
9176	M12	23-6-2014	1800	Mon	257 1 6855 68	CW	(Danix)
9176	M12	23-6-2014	1900	Mon	257 1 1854 108	CW	(Danix)
10343	M12	24-6-2014	1830	Tue	124 1 6612 55	CW	(Danix)
8047	M12	25-6-2014	1700	Wed	463 1 8354 58	CW	(Danix)
9986	M12	25-6-2014	2100	Wed	903 1 8603 63	CW	(Danix)
16269	M12	25-6-2014	2110	Wed	263 263 263 000	CW	(Danix)
13873	M12	26-6-2014	1310	Thu	834 834 834 000	CW	(Danix)
13873	M12	28-6-2014	1310	Sat	834 834 834 000	CW	(Danix)
16269	M12	28-6-2014	2110	Sat	263 263 263 000	CW	(Danix)
8167	M14	4-6-2014	1841	Wed	i.p. 17003 13032 91084 53329 61683 00292 79132 13096 89747 94704 90615 == 942 942 55 55 00000	CW	(JPL-Sib)
7485	M14	6-6-2014	1659	Fri	383 382 382 00000	CW	(Danix)
10423	M14	6-6-2014	1800	Fri	058 297 55 == 06759 65583 05284 ... 65328 90006 27756 == 297 55 00000	CW	(Danix)
4904	M21	1-6-2014	2156	Sun	Russian Air Defence =99TT154?????	CW	(LG2)
5156	M21	16-6-2014	1559	Mon	PVO =991959?0?????	CW	(JPL-Sib)
4904	M21	16-6-2014	2037	Mon	PVO =990037?8?????	CW	(JPL-Sib)
6305	M21	23-6-2014	1206	Mon	5841 597 1035 4260 02511700 (see N&O 201)	CW	(JPL-Sib)
10209	M21	23-6-2014	1206	Mon	5841 597 1035 4260 02511700 (see N&O 201)	CW	(JPL-Sib)
5221.5	M21	24-6-2014	2144	Tue	Russian Air Defence id 0	CW	(AAI)
5215	M21	25-6-2014	0942	Wed	5833 5472788 39 5834 339 0 2 EEEE //6305 kHz	CW	(JPL-Sib)
6305	M21	25-6-2014	0942	Wed	5833 5472788 39 5834 339 0 2 EEEE //5215 kHz	CW	(JPL-Sib)
8747	M21	25-6-2014	1845	Wed	=99?2244?9?????	CW	(JPL-Sib)
5221.5	M21	28-6-2014	2245	Sat	Russian Air Defence id 0	CW	(AAI)
8747	M21	30-6-2014	1521	Mon	=99?1921?9?????	CW	(JPL-Sib)
4331	M22	1-6-2014	2134	Sun	i.p. PEPBE EZGDQ ADZBY == AA GR 04 == EBWEB PDUJA JUBUJ TLRHH FXNRB ...	CW	(LG2)
4331	M22	2-6-2014	2140	Mon	4XZ: Israeli Navy Haifa	CW	(AAI)
2680	M22	5-6-2014	0201	Thu	VVV DE 4XZ //2680, 4331, 6607 kHz	CW	(F5JBR)
4331	M22	5-6-2014	0201	Thu	VVV DE 4XZ //2680, 4331, 6607 kHz	CW	(F5JBR)
6607	M22	5-6-2014	0201	Thu	VVV DE 4XZ //2680, 4331, 6607 kHz	CW	(F5JBR)
11073	M24	5-6-2014	0720	Thu	352 352 43089 43089 98113 98113 58693 58693 47101 47101 32827 32827 == 198 198 40 40 00000	CW	(BCI)
11233	M24	6-6-2014	0624	Fri	354 354 354 77978 77978 354 354 354 77978 77978 ...	CW	(BCI)
9463	M24	19-6-2014	0416	Thu	i.p. ... 90590 == 580 580 128 128 00000	CW	(Danix)
9463	M24	26-6-2014	0416	Thu	i.p. ... 81854 == 289 289 116 116 00000	CW	(Danix)
6995	M32	25-6-2014	0133	Wed	i.p. 65321 93913 77595 73064 34628 65205 82608 91432 66284 65806 23952 01371 93960 37045 72364 84678 56759 03213 25030 833 K	CW	(JPL-Sib)
8995	M32c	17-6-2014	0600	Tue	ü-marker	CW	(Tom)
8995	M32c	17-6-2014	0620	Tue	ü-marker	CW	(Tom)
8995	M32c	17-6-2014	0720	Tue	ü-marker	CW	(Tom)
8995	M32c	17-6-2014	1000	Tue	ü-marker	CW	(MPJ)
8995	M32c	17-6-2014	1100	Tue	ü-marker	CW	(Tom)
8895	M32c	17-6-2014	1920	Tue	G-Markers. Russian Air Force Tu-95MS Bear H net	CW	(Tom)
8895	M32c	17-6-2014	1940	Tue	W and G-Markers. Russian Air Force Tu-95MS Bear H net	CW	(Tom)
8895	M32c	17-6-2014	2020	Tue	Russian Air Force G-Markers	CW	(AAI)
8895	M32c	18-6-2014	1900	Wed	W-Markers. Russian Air Force Tu-95 Bear H-net	CW	(Tom)
8895	M32c	24-6-2014	1120	Tue	W-Markers at 1120, 1140, 1220, 1240 UTC	CW	(Tom)
8095	M32c	24-6-2014	1520	Tue	Bear Net W-marker	CW	(AAI)
8895	M32c	25-6-2014	0800	Wed	Bear Net. W-markers at 0800, 0820, 0840, 0900, 0920, 0940, 1000, 1020 UTC	CW	(Topol)
16240	M42	31-5-2014	0645	Sat	Russian diplo Moscow	CROWD-36	(LG2)
17496	M42	7-6-2014	1200	Sat	Russian diplo/intel. 6 55	FSK 200/500	(HFD)
15932	M42	7-6-2014	1210	Sat	Russian diplo/intel. 6 55	FSK 200/500	(HFD)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
13481	M42	7-6-2014	1220	Sat	Russian diplo/intel. 6 55	FSK 200/500	(HFD)
20112	M42	9-6-2014	0720	Mon	Russian Gov/Intel. Msg with mark after each 50th group	Baudot 50/500	(BCI)
11147	M42	10-6-2014	2300	Tue	Russian diplo/intel. Messages on links 60988, 40988, 57372, 61470, 00028, 41000	FSK 200/1000	(Dan)
14980	M42	10-6-2014	2300	Tue	Russian diplo/intel. Messages on links 40988, 57404, 41020, 00012, 40984, 59772, 61470	FSK 200/1000	(Dan)
12225	M42	11-6-2014	0805	Wed	Russian Diplo/Intel. Msg on link 14342	FSK 200/1000	(LG2)
16328	M42	12-6-2014	1502	Thu	Russian diplo/intel.	FSK 200/1000	(BCI)
16505.7	M42	12-6-2014	1554	Thu	Russian diplo/intel.	FSK 200/1000	(BCI)
11024	M42	12-6-2014	1900	Thu	Russian diplo/intel. 7 54	FSK 200/500	(HFD)
9092	M42	12-6-2014	1910	Thu	Russian diplo/intel. 7 54	FSK 200/500	(HFD)
6785	M42	12-6-2014	1920	Thu	Russian diplo/intel. 7 54	FSK 200/500	(HFD)
14980	M42	17-6-2014	2300	Tue	Russian diplo/intel. Messages on links 13362, 13622, 13366, 00000, 40988, 00063, 08412, 40972, 41308, 08204, 32776, 57372, 43996, 20494, 42126, 00028, 41052	FSK 200/1000	(Dan)
11147	M42	17-6-2014	2330	Tue	Russian diplo/intel. Messages on links 00008, 00012, 40988, 16526, 61453, 00004, 40972	FSK 200/1000	(Dan)
7610	M42	20-6-2014	0556	Fri	Russian Gov.	RUS-ARQ 100/500	(BCI)
11147	M42	24-6-2014	2320	Tue	Russian diplo/intel. 40988 61500 20614 00008 40990 00040	FSK 200/1000	(Dan)
16143	M42	25-6-2014	1053	Wed	Russian Gov/Intel.	MFSK-66	(AB)
6825	M51	29-5-2014	0844	Thu	FAV22 ending plaintext practice at 20wpm beginning LECN 24-2/3 VITESSE840 CODE at 18wpm	CW	(LG2)
9213	M51	1-6-2014	1608	Sun	NR 45 J 02 18:13:10 2014 = and Text (group 5 letters)	CW	(F5JBR)
9257	M51	2-6-2014	0429	Mon	NR 74 J 03:06:22:54 2014 = and Text (group 5 letters)	CW	(F5JBR)
6853	M51	2-6-2014	0731	Mon	i.p. 09:33:33 2014 BT ZKNZM SQVIO ZAQDK UTANX (Cont'd)	CW	(LG2)
3881	M51	4-6-2014	1826	Wed	NR 19 J 04 20:36:52 2014 = and Text (group 5 letters) //6825, 6713, 3881 kHz	CW	(F5JBR)
6713	M51	4-6-2014	1826	Wed	NR 19 J 04 20:36:52 2014 = and Text (group 5 letters) //6825, 6713, 3881 kHz	CW	(F5JBR)
6825	M51	4-6-2014	1826	Wed	NR 19 J 04 20:36:52 2014 = and Text (group 5 letters) //6825, 6713, 3881 kHz	CW	(F5JBR)
4440.5	M51	5-6-2014	2234	Thu	i.p.	CW	(LG2)
7525	M51	6-6-2014	0436	Fri	NR 60 J 06 06:36 :18 2014 = //8016 kHz	CW	(F5JBR)
8016	M51	6-6-2014	0436	Fri	NR 60 J 06 06:36 :18 2014 = //7525 kHz	CW	(F5JBR)
9213	M51	7-6-2014	2012	Sat	NR 20 .. J ... :44:.. 2014 BT FTQSW ZEBPH DSJ.Y INFE...	CW	(MPJ)
8016	M51	8-6-2014	0319	Sun	Nr 90 J 11 07:40:12 2014 and (Text 5LGs) //9213 kHz	CW	(F5JBR)
9213	M51	8-6-2014	0319	Sun	Nr 90 J 11 07:40:12 2014 and (Text 5LGs) //8106 kHz	CW	(F5JBR)
8018	M51	12-6-2014	2145	Thu	= nr 12 j 12 21:45:18 2014 bt nxvml gfaic srioo flgeh krfqx àà. Yctmi qqyww	CW	(SW)
8018	M51	12-6-2014	2151	Thu	= nr 13 j 12 21:51:34 2014 bt okgif dqskx piass hyqqn zyplaaà. pahmk qkxfj	CW	(SW)
9224	M51	19-6-2014	0540	Thu	NR 84 J 19 07:4 0:5 92014 = and 5FGs	CW	(F5JBR)
8016	M51	24-6-2014	0444	Tue	NR 35 J 24 07 40 12 2014 = 5LGs //9213 kHz	CW	(F5JBR)
9213	M51	24-6-2014	0444	Tue	NR 35 J 24 07 40 12 2014 = 5LGs //8016 kHz	CW	(F5JBR)
9213	M51	24-6-2014	1408	Tue	FAV22 5LGs	CW	(AAI)
6853	M51	25-6-2014	1519	Wed	NR14 J 15 171058 2014 = 5LGs //8327 kHz	CW	(F5JBR)
8327	M51	25-6-2014	1519	Wed	NR14 J 15 171058 2014 = 5LGs //6853 kHz	CW	(F5JBR)
6853	M51	26-6-2014	0526	Thu	NR 44 J 26 07 26 12 2014 = 5LGs //8327 kHz	CW	(F5JBR)
8327	M51	26-6-2014	0526	Thu	NR 44 J 26 07 26 12 2014 = 5LGs //6853 kHz	CW	(F5JBR)
3664	M51	28-6-2014	0225	Sat	i.p. NR 44 J 26 07 26 12 2014 = 5LGs //3748.5 kHz	CW	(F5JBR)
3748.5	M51	28-6-2014	0225	Sat	i.p. NR 44 J 26 07 26 12 2014 = 5LGs //3664 kHz	CW	(F5JBR)
8014	M55	2-6-2014	1747	Mon	i.p.	CW	(LG2)
8511	M89	1-6-2014	0202	Sun	i.p. VVV 8SQA 8SQA 8SQA DE W4WO QSA ? K	CW	(JPL)
5801	M89	1-6-2014	0232	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	1-6-2014	0232	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	1-6-2014	1135	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	1-6-2014	1135	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10223	M89	1-6-2014	1213	Sun	i.p. 4TAT 33A4 D575 73TA 55DN A4A4 (Cont'd)	CW	(JPL)
5801	M89	1-6-2014	1409	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	1-6-2014	1409	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3820	M89	1-6-2014	1413	Sun	V GKLO (x3) DE TSTYUI (x2) (Cont'd) //5657 Having problems with R/S again.	CW	(JPL)
5657	M89	1-6-2014	1413	Sun	V GKLO (x3) DE TSTYUI (x2) (Cont'd) //3820	CW	(JPL)
5657	M89	1-6-2014	1413	Sun	V GKLO (x3) DE TSTYUI (x2) (Cont'd) //3820 Having problems with R/S again.	CW	(JPL)
3797	M89	1-6-2014	1416	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	1-6-2014	1416	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
3330	M89	1-6-2014	1419	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4860	M89	1-6-2014	1420	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	1-6-2014	1420	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	1-6-2014	1727	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	1-6-2014	1730	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	1-6-2014	1730	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3797	M89	1-6-2014	1732	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	1-6-2014	1732	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
3820	M89	1-6-2014	1733	Sun	V GKLO (x3) DE TSTYUI (x2) (Cont'd) //5657	CW	(JPL)
7602	M89	1-6-2014	1750	Sun	i.p. TU5N 3735 6447 6UA5 D44U N5A6 U7TA 3AUA (Cont'd) AR QSL ? HR WK NR 270	CW	(JPL)
11014	M89	1-6-2014	2116	Sun	i.p. DE BD18 QSL ? K	CW	(JPL)
5801	M89	2-6-2014	0200	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	2-6-2014	0200	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8676	M89	2-6-2014	0203	Mon	V CQ (x3) DE DP91 (x2) HR NIL SK GB (x3)	CW	(JPL)
8511	M89	2-6-2014	0208	Mon	i.p. TBXD DE EAY5 QSA ? K	CW	(JPL)
8470	M89	2-6-2014	0215	Mon	i.p. DN37 74ND ..7T 635D DN65 45D3 (Cont'd)	CW	(JPL)
8072	M89	2-6-2014	0226	Mon	V GKLO (x3) DE TSTYUI (x2) (Cont'd)	CW	(JPL)
6783	M89	2-6-2014	0229	Mon	i.p. TN47 D76N A34N 67NA 4T67 UA74 7DTU (Cont'd)	CW	(JPL)
6785	M89	2-6-2014	0230	Mon	i.p. 05 05 05 (Cont'd)	CW	(JPL)
6788	M89	2-6-2014	0232	Mon	i.p. QSX 6783 station: MSG NR 003 CK 79 32 0506 RMKS 1864793 TO 1864794 =	CW	(JPL)
6532	M89	2-6-2014	0242	Mon	i.p. A657 3645 437. 43DA TN7D N3U6 (Cont'd)	CW	(JPL)
6913	M89	2-6-2014	0255	Mon	i.p. U3AD D7UA A3UT 5TD3 5N7T 67D4 (Cont'd) AR QSL ? K.	CW	(JPL)
7826	M89	2-6-2014	0301	Mon	NJBP AR	CW	(JPL)
6798	M89	2-6-2014	0305	Mon	DHH2 DE F2MU K	CW	(JPL)
10640	M89	2-6-2014	0320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
5177	M89	2-6-2014	1008	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd) //9383	CW	(JPL)
9383	M89	2-6-2014	1008	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd) //5177	CW	(JPL)
5182	M89	2-6-2014	1010	Mon	i.p. UU5D 5A75 6U3D 35TA A3DA UNUU N73A (Cont'd) III III = 344A ADA7 5A67 N335 DU7U (Cont'd)	CW	(JPL)
5801	M89	2-6-2014	1230	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	2-6-2014	1230	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8110	M89	2-6-2014	1232	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3797	M89	2-6-2014	1236	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	2-6-2014	1236	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
8978	M89	2-6-2014	1328	Mon	i.p. 6NU4 37T4 DA7N 4DU5 TNA5 U5TD (Cont'd)	CW	(JPL)
5657	M89	2-6-2014	1413	Mon	V GKLO (x3) DE GKLO (x2) (Cont'd) Still having problems with R/S. Now calling himself!	CW	(JPL)
3330	M89	2-6-2014	1517	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	2-6-2014	1519	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	2-6-2014	1519	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4860	M89	2-6-2014	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	2-6-2014	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3797	M89	2-6-2014	1525	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	2-6-2014	1525	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
5500	M89	2-6-2014	1531	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
4131	M89	2-6-2014	1541	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd) //9383	CW	(JPL)
9383	M89	2-6-2014	1541	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd) //4131	CW	(JPL)
5182	M89	2-6-2014	1542	Mon	i.p. 576D DA3N 37N5 DNTA 73DD D6AN 4TU3 (Cont'd)	CW	(JPL)
4173	M89	2-6-2014	1653	Mon	i.p. 7DT. NT4D .436 NA3. (Cont'd)	CW	(JPL)
7734	M89	2-6-2014	1701	Mon	i.p. VVVVVVVV IIOB IIOB II OBII K. IIOB IIOB IIOB ZEI? K. IIOB IIOB IIOB .. K	CW	(JPL)
7999	M89	2-6-2014	1705	Mon	i.p. RPT 20W K K	CW	(JPL)
7941	M89	2-6-2014	1825	Mon	i.p. HR MSG GAK	CW	(JPL)
7968	M89	2-6-2014	1841	Mon	i.p. 012/ZORE B OK. R R QSL 0242 K (Both stations on this frequency)	CW	(JPL)
4062	M89	2-6-2014	1933	Mon	i.p. RPT 2W 04W K	CW	(JPL)
10763	M89	2-6-2014	2217	Mon	i.p. NA56 TUD7 A37D U4D3 (Cont'd) AR K. OK GA. NR ... CK 65 63 0.. RMKS ..1.. 5 1WM =	CW	(JPL)
8676	M89	3-6-2014	0206	Tue	V CQ (x3) DE DP91 (x2) (Cont'd)	CW	(JPL)
5801	M89	3-6-2014	0219	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	3-6-2014	0219	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6854	M89	3-6-2014	0223	Tue	i.p. NU6A TAND D5UA AD6U 34U6 7DN3 (Cont'd)	CW	(JPL)
5801	M89	3-6-2014	1025	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	3-6-2014	1025	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	3-6-2014	1036	Tue	V GKLO (x3) DE GKLO (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	3-6-2014	1036	Tue	V GKLO (x3) DE GKLO (x2) (Cont'd) //8072	CW	(JPL)
5588	M89	3-6-2014	1039	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6773	M89	3-6-2014	1042	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL)
8040	M89	3-6-2014	1042	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	(JPL)
8072	M89	3-6-2014	1158	Tue	V GKLO (x3) DE GKLO (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	3-6-2014	1158	Tue	V GKLO (x3) DE GKLO (x2) (Cont'd) //8072	CW	(JPL)
5760	M89	3-6-2014	1219	Tue	i.p. 3ATD 7TA5 D3UN A64D (Cont) R RPT 27W = UANT AR R OK	CW	(JPL)
6852	M89	3-6-2014	1219	Tue	SF5X CK 72 38 0603 2000 RMKS CQ =	CW	(JPL)
5706	M89	3-6-2014	1724	Tue	i.p. 5UDA U5NN 73TD TU45 7ND3 (Cont'd) Switched to voice	CW	(JPL)
5717	M89	3-6-2014	1726	Tue	i.p. TU = 55J0/K7L4 AR =	CW	(JPL)
5686	M89	3-6-2014	1732	Tue	i.p. 43ND N537 TD5D (Cont'd)	CW	(JPL)
5489	M89	3-6-2014	1736	Tue	i.p. DT54 765T 3DA7 54DN D7U3 (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
4131	M89	3-6-2014	1745	Tue	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3642	M89	3-6-2014	1752	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	3-6-2014	1752	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3606	M89	3-6-2014	1753	Tue	i.p. DE G4KP K	CW	(JPL)
5281	M89	3-6-2014	1802	Tue	i.p. 84186 RMKS 864 EEEEE	CW	(JPL)
5663	M89	3-6-2014	1805	Tue	i.p. 7G NR 260 EEEE	CW	(JPL)
5639	M89	3-6-2014	1807	Tue	i.p. 5T37 TD67 6U43 TDNA AT53 (Cont'd)	CW	(JPL)
4147	M89	3-6-2014	1816	Tue	i.p. 734D U5NT .67A 734T (Cont'd) AR RPT ..W ...	CW	(JPL)
5567	M89	3-6-2014	1848	Tue	i.p. 734D 34ND N3D5 (Cont'd) AR K OK GA	CW	(JPL)
6368	M89	3-6-2014	2049	Tue	i.p. RR QSA 2 K	CW	(JPL)
8072	M89	4-6-2014	0149	Wed	V GKLO (x3) DE GKLO (x2) (Cont'd)	CW	(JPL)
5801	M89	4-6-2014	0155	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	4-6-2014	0155	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10146	M89	4-6-2014	0157	Wed	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8676	M89	4-6-2014	0159	Wed	V CQ (x3) DE DP91 (x2) (Cont'd) HR NIL SK GB	CW	(JPL)
7820	M89	4-6-2014	0217	Wed	i.p. 05 05 05 RR AR	CW	(JPL)
7882	M89	4-6-2014	0217	Wed	i.p. 4NU3 U5NA A6U5 74.D 5U7A AR K. R OK	CW	(JPL)
8072	M89	4-6-2014	1105	Wed	V GKLO (x3) DE GKLO (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	4-6-2014	1105	Wed	V GKLO (x3) DE GKLO (x2) (Cont'd) //8072	CW	(JPL)
5801	M89	4-6-2014	1107	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	4-6-2014	1107	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
4512	M89	4-6-2014	1117	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	(JPL)
6773	M89	4-6-2014	1117	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
6840	M89	4-6-2014	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	4-6-2014	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	4-6-2014	1715	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3820	M89	4-6-2014	1718	Wed	V GKLO (x3) DE GKLO (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	4-6-2014	1718	Wed	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	4-6-2014	1720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	4-6-2014	1720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3797	M89	4-6-2014	1727	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	4-6-2014	1727	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
4131	M89	4-6-2014	1733	Wed	V JKDj (x3) DE SLBC (x2) (Cont'd) //5177	CW	(JPL)
5177	M89	4-6-2014	1733	Wed	V JKDj (x3) DE SLBC (x2) (Cont'd) //4131	CW	(JPL)
5546	M89	4-6-2014	1737	Wed	i.p. 9124 K. QSL 0124 K. USB USB K	CW	(JPL)
5663	M89	4-6-2014	2105	Wed	i.p. R GA ù Both station on this frequency	CW	(JPL)
5664	M89	4-6-2014	2110	Wed	i.p. 7G GA NR 6048 CK 61 23 060. 0500 RMKS 7338 TO 7332 K	CW	(JPL)
5687	M89	4-6-2014	2110	Wed	i.p. RR OK QSL 0514 K	CW	(JPL)
5681	M89	4-6-2014	2120	Wed	i.p. MSG 1384 CK 79 15 0605 0500 RMKS 1864793 TO 1864792 K	CW	(JPL)
5532	M89	4-6-2014	2130	Wed	i.p. 7DNA TAUN A47N A345 (Cont'd) AR QSL K (Switched to voice)	CW	(JPL)
8676	M89	5-6-2014	0201	Thu	V CQ (x3) DE DP91 (x2) (Cont'd) HR NIL SK GB	CW	(JPL)
5801	M89	5-6-2014	1038	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	5-6-2014	1038	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8769	M89	5-6-2014	1045	Thu	i.p. D7TN 3NT4 743U UTAD 4N67 UN45 AR K	CW	(JPL)
8346	M89	5-6-2014	1050	Thu	i.p. 347D DAN3 7435 54DN 74AU TD36 7D3U UND7 (Cont'd)	CW	(JPL)
5177	M89	5-6-2014	1223	Thu	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8621	M89	5-6-2014	1225	Thu	i.p. QSL ? K	CW	(JPL)
4131	M89	5-6-2014	1458	Thu	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4883	M89	5-6-2014	1500	Thu	i.p. AR K R GA	CW	(JPL)
8216	M89	5-6-2014	1505	Thu	i.p. D5N3 A467 53D7 64DT AR K. CY K. /GA GA	CW	(JPL)
8210	M89	5-6-2014	1507	Thu	i.p. 3DT7 75A6 6U.4 43A4 6DTN (Cont'd)	CW	(JPL)
8125	M89	5-6-2014	1518	Thu	i.p. 6A35 7U6T 64U3 T43N A57D TD7U (Cont'd) AR K. OK	CW	(JPL)
7886	M89	5-6-2014	1525	Thu	i.p. ATU3 AR K. R R K. OK OK GA GA K	CW	(JPL)
3642	M89	5-6-2014	1541	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	5-6-2014	1541	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5197	M89	5-6-2014	1546	Thu	i.p. UNN5 III III III = 7AA7 A6UN AATU (Cont'd)	CW	(JPL)
4682	M89	5-6-2014	1553	Thu	i.p. TA6A T563 5357 73DU 5ANN N.A3 6DTT (Cont'd)	CW	(JPL)
4588	M89	5-6-2014	1556	Thu	i.p. UD73 D6N4 UA6N N537 D36U (Cont'd) AR	CW	(JPL)
3820	M89	5-6-2014	1825	Thu	V GKLO (x3) DE GKLO (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	5-6-2014	1825	Thu	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820	CW	(JPL)
5546	M89	5-6-2014	2107	Thu	i.p. CK 70 42 0606 0500 RMKS 1864682 TO 1864681 EEEE	CW	(JPL)
5581	M89	5-6-2014	2112	Thu	i.p. U5D6 47.N NA6T 6UDT (Cont'd)	CW	(JPL)
5531	M89	5-6-2014	2116	Thu	i.p. HR 7G	CW	(JPL)
6840	M89	5-6-2014	2320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	5-6-2014	2320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
6770	M89	6-6-2014	0208	Fri	V CQ (x3) DE DP91 (x2) (Cont'd)	CW	(JPL)
6363	M89	6-6-2014	0218	Fri	i.p. A567 A756 UN6A UA73 (Cont'd)	CW	(JPL)
8072	M89	6-6-2014	1053	Fri	V GKLO (x3) DE GKLO (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	6-6-2014	1053	Fri	V GKLO (x3) DE GKLO (x2) (Cont'd) //8072	CW	(JPL)
5801	M89	6-6-2014	1057	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	6-6-2014	1057	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
7738	M89	6-6-2014	1103	Fri	i.p. K7TO (Cont'd) K	CW	(JPL)
5275	M89	6-6-2014	1113	Fri	i.p. 6AA7 UT77 .3N. 7AA6 754. (Cont'd) III BT NU4N T5TT TU4D (Cont'd)	CW	(JPL)
5300	M89	6-6-2014	1208	Fri	i.p. 4D66 657A 5NNA 5TNN U735 T7D5 D3D3 (Cont'd) III IIII IIII .DP = = = 3536 5UAT 4U34 AD4D (Cont'd)	CW	(JPL)
3642	M89	6-6-2014	1601	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7821	CW	(JPL)
7821	M89	6-6-2014	1601	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
6954	M89	6-6-2014	1605	Fri	i.p. D643 4T64 UAN4 354A UANN (Cont'd)	CW	(JPL)
6812	M89	6-6-2014	1609	Fri	i.p. Ex 0006 = LDDO/50GS II R 1635/EX 0006 =	CW	(JPL)
6842	M89	6-6-2014	1613	Fri	i.p. 0012 BT H7JB/K9L4 AR	CW	(JPL)
5593	M89	6-6-2014	1618	Fri	i.p. = I8E2/x3W3 AR. NR 096/EX 0018 = I8E2/X3WE AR QSY NR 06 QSY NR 06 VVV	CW	(JPL)
5564	M89	6-6-2014	1621	Fri	i.p. NR 097/EX 0021 = O8E2/Y5F4 AR. QSY NR 07 QSY NR 07 VVV	CW	(JPL)
5537	M89	6-6-2014	1623	Fri	i.p. QSY NR 16 VVV	CW	(JPL)
5467	M89	6-6-2014	1625	Fri	i.p. 3UD7 6A4N NU3T 7N5U TD34 (Cont'd)	CW	(JPL)
3797	M89	6-6-2014	1628	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	6-6-2014	1628	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
3820	M89	6-6-2014	1630	Fri	V GKLO (x3) DE GKLO (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	6-6-2014	1630	Fri	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820	CW	(JPL)
3330	M89	6-6-2014	1916	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5177	M89	6-6-2014	1919	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4860	M89	6-6-2014	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	6-6-2014	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
5207	M89	6-6-2014	1933	Fri	i.p. DTTA 74DT U643 U643 3TD7 (Cont'd) III BT 7A46 T74T 34ND 4UNT (Cont'd)	CW	(JPL)
6578	M89	6-6-2014	2111	Fri	i.p. D376 UDAN 6ND7 53UT 576U (Cont'd) AR K. R RPT 58W = TA7D TA7D K. R OK U GA	CW	(JPL)
6311	M89	6-6-2014	2118	Fri	i.p. 7G GA NR 5993 CK 7915 0607 0500 RMKS 1864792 TO 1864793 K = 54AU T? T? 54AU ND67 NA7D 4U3A D7N6 (Cont'd)	CW	(JPL)
5564	M89	6-6-2014	2124	Fri	i.p. 5ND6 .5U3 3U75 36UN 3T46 (Cont'd) AR K. R K. NR GA K	CW	(JPL)
5214	M89	6-6-2014	2129	Fri	VVV M7MI DE BJ1R QSA 1 QSA ? K	CW	(JPL)
6840	M89	6-6-2014	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	6-6-2014	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6770	M89	7-6-2014	0201	Sat	V N4FM5 (x3) DE NAT491 (x2) (Cont'd)	CW	(JPL)
5801	M89	7-6-2014	0229	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	7-6-2014	0229	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	7-6-2014	0954	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	7-6-2014	0954	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8866	M89	7-6-2014	0957	Sat	i.p. 3366 56N6 5TN5 6D5T ? DD5T D374 773N (Cont'd) III 8P = = D35U D6. AAD5 567N (Cont'd)	CW	(JPL)
8676	M89	7-6-2014	1001	Sat	V CQ (x3) DE DP91 (x2) PSE YK PP. LL TO HR	CW	(JPL)
5173	M89	7-6-2014	1332	Sat	i.p. N537 5U6D 47A6 D5A6 (Cont'd) AR K. RPT RPT 45W = 5367 5367 K	CW	(JPL)
5112	M89	7-6-2014	1336	Sat	i.p. 31 CK 79 71 0607 2100 RMKS 1558 TO 1558 27 K K (1337z)	CW	(JPL)
5198	M89	7-6-2014	1350	Sat	i.p. T5UT 6.53 N3A4 DT36 (Cont'd) = = 4T56 5NUA NUU6 (Cont'd)	CW	(JPL)
5111	M89	7-6-2014	1353	Sat	i.p. DT5N N3DN 4AND 6T3D T4A6 (Cont'd)	CW	(JPL)
5186	M89	7-6-2014	1356	Sat	i.p. 76A3 T3DA .45T (Cont'd) AR R K. OK GA	CW	(JPL)
5210	M89	7-6-2014	1400	Sat	i.p. DAU3 57UD 35AD 64A3 U76T 56D3 DN43 (Cont'd) AR FM 5? TU 73 3U ..EEEEEE QSL	CW	(JPL)
5243	M89	7-6-2014	1404	Sat	i.p. T RMKS 1864791 TO0 1864794 K	CW	(JPL)
5280	M89	7-6-2014	1404	Sat	i.p. T6N5 U643 3U.6 U34T (Cont'd)	CW	(JPL)
5270	M89	7-6-2014	1407	Sat	i.p. 8UKJ DE F7JB K	CW	(JPL)
5356	M89	7-6-2014	1422	Sat	i.p. 527 K K = = = AD3U ..A 53A4 76D3 (Cont'd) III K. RPT	CW	(JPL)
3642	M89	7-6-2014	1657	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	7-6-2014	1657	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	7-6-2014	1659	Sat	V GKLO (x3) DE GKLO (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	7-6-2014	1659	Sat	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820	CW	(JPL)
3797	M89	7-6-2014	1708	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	7-6-2014	1708	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
8073	M89	7-6-2014	1711	Sat	i.p. III = 5.3D DNN4 5T35	CW	(JPL)
8045	M89	7-6-2014	1718	Sat	i.p. 3AT5 3D46 5DU4 D3N7 III = TNAU D734 4U34 (Cont'd)	CW	(JPL)
3330	M89	7-6-2014	1900	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5518	M89	7-6-2014	1904	Sat	i.p. VVV FCA (x3) DE FZL (x3) ... ? K	CW	(JPL)
10180	M89	8-6-2014	0211	Sun	V DKG6 DE 3A7D COMM/1100/LZ009A0/4268/4131 AR QSL ? HR WK NR 366	CW	(JPL)
10180	M89	8-6-2014	0937	Sun	V DKG6 DE 3A7D COMM/1830/LZ950A0/4268/4460 AR QSL ? K HR WK NR 3 HR WK NR 35	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
8676	M89	8-6-2014	0958	Sun	V CQ (x3) DE DP91 (x2) (Cont'd)	CW	(JPL)
8072	M89	8-6-2014	1049	Sun	V GKLO (x3) DE GKLO (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	8-6-2014	1049	Sun	V GKLO (x3) DE GKLO (x2) (Cont'd) //8072	CW	(JPL)
8040	M89	8-6-2014	1053	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
5801	M89	8-6-2014	1345	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	8-6-2014	1345	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3642	M89	8-6-2014	1744	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	8-6-2014	1744	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	8-6-2014	1746	Sun	V GKLO (x3) DE GKLO (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	8-6-2014	1746	Sun	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820	CW	(JPL)
3797	M89	8-6-2014	1749	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	8-6-2014	1749	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
4131	M89	8-6-2014	1753	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
7602	M89	9-6-2014	0010	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
8072	M89	9-6-2014	0012	Mon	V GKLO (x3) DE GKLO (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	9-6-2014	0012	Mon	V GKLO (x3) DE GKLO (x2) (Cont'd) //8072	CW	(JPL)
7582	M89	9-6-2014	0015	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL)
8110	M89	9-6-2014	0015	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL)
10640	M89	9-6-2014	0020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
8676	M89	9-6-2014	0157	Mon	V CQ (x3) DE DP91 (x2) (Cont'd)	CW	(JPL)
5801	M89	9-6-2014	0219	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	9-6-2014	0219	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10652	M89	9-6-2014	0223	Mon	DNU5 4.ATD T... (Very weak)	CW	(JPL)
8676	M89	9-6-2014	1000	Mon	V CQ (x3) DE DP91 (x2) (Cont'd)	CW	(JPL)
5801	M89	9-6-2014	1026	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	9-6-2014	1026	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	9-6-2014	1029	Mon	V GKLO (x3) DE GKLO (x2) (Cont'd) //10421	CW	(JPL)
3642	M89	9-6-2014	1500	Mon	i.p. = = AU.. 4T63 7UTD 456U NA633 T7D D543 7A46 43AT 3UAD 34TN (Cont'd) AR	CW	(JPL)
7602	M89	9-6-2014	1500	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	9-6-2014	1505	Mon	V GKLO (x3) DE GKLO (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	9-6-2014	1505	Mon	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820	CW	(JPL)
4512	M89	9-6-2014	1508	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
5177	M89	9-6-2014	1511	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	9-6-2014	1515	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
6881	M89	9-6-2014	1515	Mon	i.p. T5DT D.T N53T (Cont'd) AR R GA GA	CW	(JPL)
5646	M89	9-6-2014	2021	Mon	NQSL 0419 K	CW	(JPL)
5632	M89	9-6-2014	2032	Mon	VV NXS4 NXS4 DE NXMA K	CW	(JPL)
7602	M89	10-6-2014	0054	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
8072	M89	10-6-2014	0056	Tue	V GKLO (x3) DE GKLO (x2) (Cont'd)	CW	(JPL)
8110	M89	10-6-2014	0100	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
6770	M89	10-6-2014	0210	Tue	i.p. SK GB. PSE OGA TC HR FREQ WK AHR NIL SK GB	CW	(JPL)
5801	M89	10-6-2014	0224	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	10-6-2014	0224	Tue	i.p. 7D35 UTA5 64D5 3N45 U7? U737 643T TUN3 (Cont'd) AR QSL 8 HR WK NR 36	CW	(JPL)
7521	M89	10-6-2014	0234	Tue	i.p. 83 TO 1330589 = D3R/U1F	CW	(JPL)
7548	M89	10-6-2014	0234	Tue	i.p. R FF / NR 5261/EX 1040 RMKS 1330580 TO 1330585 =	CW	(JPL)
10180	M89	10-6-2014	0955	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
8676	M89	10-6-2014	0958	Tue	V CQ (x3) DE DP91 (x2) HR NIL SK GB	CW	(JPL)
6840	M89	10-6-2014	1015	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	10-6-2014	1015	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6773	M89	10-6-2014	1016	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
3436	M89	10-6-2014	1354	Tue	i.p. 64 60 0610 2150 RMKS 9239 TO 9.38 K	CW	(JPL)
3820	M89	10-6-2014	1402	Tue	V GKLO (x3) DE GKLO (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	10-6-2014	1402	Tue	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820	CW	(JPL)
5665	M89	10-6-2014	1403	Tue	i.p. A4TD 63DU NUD3 TAD5 6UD5 6TAD 6ND3 (Cont'd)	CW	(JPL)
5691	M89	10-6-2014	1416	Tue	i.p. TDUT 4T3D 675U 35U7 7A53 647N 67D3 (Cont'd)	CW	(JPL)
5576	M89	10-6-2014	1420	Tue	i.p. N6A4 D4A5 6U3A NDT5 T64A TDAN ANTD (Cont'd)	CW	(JPL)
5532	M89	10-6-2014	1424	Tue	i.p. R HR MSG GA K	CW	(JPL)
5623	M89	10-6-2014	1437	Tue	i.p. NR 2328/EX 2238 RMKS 1330652 TO 1330658 = QS2/TNP. AR QSL? K R GA	CW	(JPL)
5797	M89	10-6-2014	1440	Tue	i.p. HR MSG NR 6259 CK 7. 23 0610 2230 RMKS 1330162 TO 1330.63 =	CW	(JPL)
5789	M89	10-6-2014	1442	Tue	i.p. TO 1330030 = ... (Faded out)	CW	(JPL)
5734	M89	10-6-2014	1445	Tue	i.p. AR QSL? K. R GA K.	CW	(JPL)
5706	M89	10-6-2014	1447	Tue	i.p. D7AT 6T74 54U7 U45D N.AT 5N4D (Cont'd)	CW	(JPL)
5173	M89	10-6-2014	1459	Tue	i.p. UA6D 4..6 D743 TN35 U37T AN4T AR K K. NR OK GA	CW	(JPL)
5356	M89	10-6-2014	1502	Tue	= 3DNU 5ADT 6AUN DU4N AT5D (Cont'd)	CW	(JPL)
4173	M89	10-6-2014	1511	Tue	i.p. 3NUA TDUN N63D 4TU7 (Cont'd) AR AR K K GA GA	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
5086	M89	10-6-2014	1636	Tue	i.p. YK7X DE M2Q... VV NR 1937/EX ..318 RMKS CQ =	CW	(JPL)
5162	M89	10-6-2014	1646	Tue	i.p. 4D3N UD35 65T4 4N37 (Cont'd) AR QSL? K. R OK K. R OK	CW	(JPL)
5260	M89	10-6-2014	1652	Tue	i.p. DU6T T64T A57D NUA6 4AAT D55T 4TT6 (Cont'd)	CW	(JPL)
3642	M89	10-6-2014	1701	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	10-6-2014	1701	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4512	M89	10-6-2014	1705	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
4646	M89	10-6-2014	1721	Tue	i.p. 35TN 5U63 3A4. AR K. R R RPT .. W =	CW	(JPL)
3330	M89	10-6-2014	1757	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3797	M89	10-6-2014	1759	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	10-6-2014	1759	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
4225	M89	10-6-2014	1803	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
8111	M89	10-6-2014	1807	Tue	i.p. R RPT 29W = TUA3 AR K. OK U GA K. OK GA	CW	(JPL)
7511	M89	10-6-2014	1812	Tue	i.p. TD34 56N3 546T A? DUN4 4A6T 73D5 (Cont'd) AR R OK =	CW	(JPL)
5576	M89	10-6-2014	1819	Tue	i.p. 393 CK 71 35 0611 0150 RMKS 9231 TO 9237 K	CW	(JPL)
11372	M89	10-6-2014	1821	Tue	V JKD JKD JKD DE SLBC SLBC	CW	(PPA)
5177	M89	10-6-2014	2320	Tue	V JKD J (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8676	M89	11-6-2014	1000	Wed	V CQ (x3) DE DP91 (x2) (Cont'd)	CW	(JPL)
8101	M89	11-6-2014	1012	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	11-6-2014	1012	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //8101	CW	(JPL)
8072	M89	11-6-2014	1019	Wed	V GKLO (x3) DE GKLO (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	11-6-2014	1019	Wed	V GKLO (x3) DE GKLO (x2) (Cont'd) //8072	CW	(JPL)
6840	M89	11-6-2014	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	11-6-2014	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	11-6-2014	1025	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6773	M89	11-6-2014	1026	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL)
8040	M89	11-6-2014	1026	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
3330	M89	11-6-2014	1619	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4860	M89	11-6-2014	1620	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	11-6-2014	1620	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3820	M89	11-6-2014	1625	Wed	V GKLO (x3) DE GKLO (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	11-6-2014	1625	Wed	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820	CW	(JPL)
4131	M89	11-6-2014	1631	Wed	V JKD J (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3642	M89	11-6-2014	1635	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	11-6-2014	1635	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
6773	M89	11-6-2014	2159	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
6840	M89	11-6-2014	2220	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
3642	M89	11-6-2014	2225	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	11-6-2014	2225	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
7777	M89	11-6-2014	2227	Wed	05 05 6DAU 35D S 35DU TAN3	CW	(JPL)
5801	M89	12-6-2014	0148	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	12-6-2014	0148	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	12-6-2014	0151	Thu	V GKLO (x3) DE GKLO (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	12-6-2014	0151	Thu	V GKLO (x3) DE GKLO (x2) (Cont'd) //8072	CW	(JPL)
6770	M89	12-6-2014	0157	Thu	V CQ (x3) DE DP91 (x2) (Cont'd) //8676	CW	(JPL)
8676	M89	12-6-2014	0157	Thu	V CQ (x3) DE DP91 (x2) PSE LL LL OE PSE LL TO HR E. PSE ALL LL TO HR //6770	CW	(JPL)
7353	M89	12-6-2014	0217	Thu	i.p. UDUT 65AU N5TD 53UN NAD7 AR QSL ? K	CW	(JPL)
7815	M89	12-6-2014	0217	Thu	i.p. R QSA 1 IEC BT GHIY EEEE R QSA 2 IEC BT GHU EEEEE	CW	(JPL)
8235	M89	12-6-2014	0240	Thu	i.p. MSG NR .437 CK 70 0.0612 1030 RMKS 13307.. TO 133081 = N7U AT.... AR K GA	CW	(JPL)
8248	M89	12-6-2014	0245	Thu	i.p. AR K. N OK (Switched to voice)	CW	(JPL)
10764	M89	12-6-2014	0252	Thu	i.p. U F GA K. OK QSL 1055 QSL 1055 K. PSE WK K (Switched to voice)	CW	(JPL)
10672	M89	12-6-2014	1010	Thu	V GKN7 (x3) DE F3J5 (x2) (Cont'd)	CW	(JPL)
8072	M89	12-6-2014	1014	Thu	V GKLO (x3) DE GKLO (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	12-6-2014	1014	Thu	V GKLO (x3) DE GKLO (x2) (Cont'd) //8072	CW	(JPL)
6840	M89	12-6-2014	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	12-6-2014	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6773	M89	12-6-2014	1040	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
3642	M89	12-6-2014	1416	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	12-6-2014	1416	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	12-6-2014	1419	Thu	V GKLO (x3) DE GKLO (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	12-6-2014	1419	Thu	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820	CW	(JPL)
6840	M89	12-6-2014	1420	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
6808	M89	12-6-2014	1422	Thu	i.p. AR QSL? K	CW	(JPL)
6891	M89	12-6-2014	1425	Thu	i.p. RMKS 1330483 TO 130482 K = 3U64 5AD6 63NA U47. (Cont'd)	CW	(JPL)
8379	M89	12-6-2014	1431	Thu	i.p. D463 TUND D3N5 3DUN (Cont'd) AR AR	CW	(JPL)
6783	M89	12-6-2014	1435	Thu	i.p. D5NA 57U6 6D4. (Cont'd) AR K R OK K HR ... K	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
6217	M89	12-6-2014	1440	Thu	i.p. 3A4D A3D7 7D5A 5AD7 UA7D (Cont'd) AR QSL? K R GA	CW	(JPL)
5765	M89	12-6-2014	1445	Thu	i.p. A3NT NT45 74T5 UT46 TU63 N574 (Cont'd) AR QSL? K N OK K	CW	(JPL)
5707	M89	12-6-2014	1448	Thu	i.p. 6TN3 NA46 ATU4 U47D 7345 4NA3 467A (Cont'd) AR N OK (Switched to voice)	CW	(JPL)
5738	M89	12-6-2014	1448	Thu	i.p. 7633/EX 2253 RMKS = H34. 31 AR BT /CD1/ AR	CW	(JPL)
4131	M89	12-6-2014	1734	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd) //N/H	CW	(JPL)
5223	M89	12-6-2014	1737	Thu	i.p. RMKS 133.687 TO 133.583 = AUT4 T4D7 6A73 (Cont'd)	CW	(JPL)
5421	M89	12-6-2014	1740	Thu	i.p. 5TDN 5DTA N5D6 N3T5 65TA (Cont'd)	CW	(JPL)
5412	M89	12-6-2014	2013	Thu	i.p. F NR 115/EX 0412 BT D9F2/SBD9 AR	CW	(JPL)
3820	M89	12-6-2014	2020	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	12-6-2014	2020	Thu	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820	CW	(JPL)
10672	M89	13-6-2014	0145	Fri	V GKN7 (x3) DE F3J5 (x2) (Cont'd)	CW	(JPL)
5801	M89	13-6-2014	0153	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	13-6-2014	0153	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8676	M89	13-6-2014	0200	Fri	V CQ (x3) DE DP91 (x2) HR NIL SK GB (x3)	CW	(JPL)
7665	M89	13-6-2014	0214	Fri	i.p. 356U T74U A5D6 3N7T AU6T (Cont'd) AR QSL? K. R GA	CW	(JPL)
8676	M89	13-6-2014	1000	Fri	V CQ (x3) DE DP91 (x2) PSE ALL LN TO TO HR HR (x3)	CW	(JPL)
5801	M89	13-6-2014	1012	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	13-6-2014	1012	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3330	M89	13-6-2014	1437	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3820	M89	13-6-2014	1441	Fri	V GKLO (x3) DE GKLO (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	13-6-2014	1441	Fri	V GKLO (x3) DE GKLO (x2) (Cont'd) //3820 calling himself with his R/S.	CW	(JPL)
3797	M89	13-6-2014	1444	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	13-6-2014	1444	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
3642	M89	13-6-2014	1459	Fri	i.p. 35NU TD7D TNU6 5TDU 636D (Cont'd) AR QSL? HR WK NR 35	CW	(JPL)
7602	M89	13-6-2014	1459	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3648	CW	(JPL)
4131	M89	13-6-2014	1505	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4193	M89	13-6-2014	1506	Fri	(i.p. N73D D63U ..4U 6543 56ND 4U65 TA34 475D (Cont'd) AR K. R GA	CW	(JPL)
4187	M89	13-6-2014	1509	Fri	i.p. 75D3 U75D TD3N 5763 N47D 6TDU (Cont'd)	CW	(JPL)
5391	M89	13-6-2014	1512	Fri	(i.p. 4536 7D3N 3UT4 7A63 5TD4 NDUT U673 5764 (Cont'd) AR = K. OK	CW	(JPL)
5476	M89	13-6-2014	1516	Fri	i.p. 73UA T73N A5? U5UD 4N7U N57T 35UD (Cont'd)	CW	(JPL)
5577	M89	13-6-2014	1518	Fri	i.p. 6T76 .57N U7.4 ..UT NATU 45N7 6U57 (Cont'd) III III = U3NA D5.6 65.. 657T A764 (Cont'd)	CW	(JPL)
6840	M89	13-6-2014	1520	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
6875	M89	13-6-2014	1525	Fri	i.p. UTAD 7DN4 ND74 73ND T436 U3AT 3A4T (Cont'd) AT	CW	(JPL)
3541	M89	13-6-2014	1720	Fri	i.p. RMKS 1330... TO 1330798 K	CW	(JPL)
5734	M89	13-6-2014	1754	Fri	i.p. AR K	CW	(JPL)
5786	M89	13-6-2014	1756	Fri	i.p. U53D 6AN5 A74. (Cont'd)	CW	(JPL)
6840	M89	13-6-2014	1822	Fri	Q2M de NYZ VVV QSA ? K	CW	(LG2)
5734	M89	13-6-2014	2138	Fri	i.p. RMKS 13307870 TO 1330783 =	CW	(JPL)
5801	M89	14-6-2014	0144	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	14-6-2014	0144	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6770	M89	14-6-2014	0200	Sat	V CQ (x3) DE DP91 (x2) Moved to 8676)	CW	(JPL)
8676	M89	14-6-2014	0205	Sat	V CQ (x3) DE DP91 (x2)	CW	(JPL)
8072	M89	14-6-2014	0217	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	14-6-2014	0217	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
6840	M89	14-6-2014	0220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	14-6-2014	0220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
8072	M89	14-6-2014	1019	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	14-6-2014	1019	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
5801	M89	14-6-2014	1022	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	14-6-2014	1022	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	14-6-2014	1342	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	14-6-2014	1342	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5455	M89	14-6-2014	1357	Sat	i.p. RMKS 1846161 TO 1846157 K	CW	(JPL)
5467	M89	14-6-2014	1401	Sat	i.p. DE P9MB K. R QSA 2 IEC MSG GA K	CW	(JPL)
5496	M89	14-6-2014	1401	Sat	i.p. 0614 RMKS 1846157 TO 1846151 K =	CW	(JPL)
5699	M89	14-6-2014	1420	Sat	i.p. NHR WK NR L20/91 K. N	CW	(JPL)
5578	M89	14-6-2014	1423	Sat	i.p. D7U6 NT5D 37DT 63A4 7UD4 (Cont'd)	CW	(JPL)
5576	M89	14-6-2014	1428	Sat	i.p. QSL 2228 K	CW	(JPL)
3642	M89	14-6-2014	1654	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	14-6-2014	1654	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3797	M89	14-6-2014	1656	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	14-6-2014	1656	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
3820	M89	14-6-2014	1658	Sat	V GKLO (x3) DE TSTYUI (x2)(Cont'd) //5657 R/S again messed up.	CW	(JPL)
5657	M89	14-6-2014	1658	Sat	V GKLO (x3) DE TSTYUI (x2) (Cont'd) //3820 R/S again messed up.	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
4131	M89	14-6-2014	1703	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	14-6-2014	1714	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3330	M89	14-6-2014	1911	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	14-6-2014	1913	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	14-6-2014	1913	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3797	M89	14-6-2014	1914	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	14-6-2014	1914	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
3820	M89	14-6-2014	1916	Sat	V GKLO (x3) DE TSTYUI (x2)(Cont'd) //5657	CW	(JPL)
5657	M89	14-6-2014	1916	Sat	V GKLO (x3) DE TSTYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	14-6-2014	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	14-6-2014	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
8072	M89	14-6-2014	2324	Sat	V GKLO (x3) DE TSTYUI (x2) (Cont'd) Still have problems with his R/S.	CW	(JPL)
3642	M89	14-6-2014	2327	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	14-6-2014	2327	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5801	M89	15-6-2014	0143	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	15-6-2014	0143	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6770	M89	15-6-2014	0157	Sun	V CQ (x3) DE DP91 (x2) (Cont'd) //8676	CW	(JPL)
8676	M89	15-6-2014	0157	Sun	V CQ (x3) DE DP91 (x2) PSE PSE PSE ALL ALL ALL LL LL LL MO TO TO HR HR HR //6770	CW	(JPL)
6770	M89	15-6-2014	1000	Sun	V CQ (x3) DE DP91 (x2) (Cont'd) //8676	CW	(JPL)
8676	M89	15-6-2014	1000	Sun	V CQ (x3) DE DP91 (x2) (Cont'd) //6770	CW	(JPL)
5801	M89	15-6-2014	1016	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	15-6-2014	1016	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3330	M89	15-6-2014	1504	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	15-6-2014	1505	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	15-6-2014	1505	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3797	M89	15-6-2014	1507	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	15-6-2014	1507	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
3820	M89	15-6-2014	1508	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	15-6-2014	1508	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5177	M89	15-6-2014	1510	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	15-6-2014	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
10180	M89	16-6-2014	0108	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
5801	M89	16-6-2014	1209	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	16-6-2014	1209	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	16-6-2014	1211	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	16-6-2014	1211	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
16720	M89	16-6-2014	1212	Mon	V 5RAB (x3) DE M9AB (x2) (Cont'd)	CW	(JPL)
3642	M89	16-6-2014	1510	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	16-6-2014	1510	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3797	M89	16-6-2014	1513	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4131	M89	16-6-2014	1513	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd) //7131	CW	(JPL)
4512	M89	16-6-2014	1513	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3642	CW	(JPL)
7131	M89	16-6-2014	1513	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd) //4131	CW	(JPL)
3820	M89	16-6-2014	1514	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	16-6-2014	1514	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5177	M89	16-6-2014	1515	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4225	M89	16-6-2014	1517	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL)
5500	M89	16-6-2014	1517	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL)
16720	M89	16-6-2014	1519	Mon	V 5RAB (x3) DE M9AB (x2) (Cont'd)	CW	(JPL)
4860	M89	16-6-2014	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	16-6-2014	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3330	M89	16-6-2014	1532	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3797	M89	16-6-2014	1600	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	16-6-2014	1600	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3642	CW	(JPL)
4225	M89	16-6-2014	1605	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL)
5500	M89	16-6-2014	1605	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL)
3330	M89	16-6-2014	1855	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
16720	M89	17-6-2014	0147	Tue	V 5RAB (x3) DE M9AB (x2) (Cont'd) JPL TUE	CW	(JPL)
5801	M89	17-6-2014	0150	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	17-6-2014	0150	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
9383	M89	17-6-2014	0154	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6770	M89	17-6-2014	0157	Tue	V CQ (x3) DE DP91 (x2) (Cont'd) //8676	CW	(JPL)
8676	M89	17-6-2014	0157	Tue	V CQ (x3) DE DP91 (x2) XSE ALL LL TO HR	CW	(JPL)
8072	M89	17-6-2014	0953	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	17-6-2014	0953	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
5801	M89	17-6-2014	0955	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	17-6-2014	0955	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6770	M89	17-6-2014	0957	Tue	V CQ (x3) DE DP91 (x2) (Cont'd) //8676	CW	(JPL)
8676	M89	17-6-2014	0957	Tue	V CQ (x3) DE DP91 (x2) PSE PSE YK KK BB JJ YK TC FREQ WK HR NIL SK GB	CW	(JPL)
6840	M89	17-6-2014	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	17-6-2014	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6773	M89	17-6-2014	1025	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL)
8040	M89	17-6-2014	1025	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	(JPL)
8072	M89	17-6-2014	1026	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	17-6-2014	1026	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
5588	M89	17-6-2014	1027	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	17-6-2014	1837	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	17-6-2014	1837	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	17-6-2014	1840	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	17-6-2014	1840	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4131	M89	17-6-2014	1842	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8676	M89	18-6-2014	0158	Wed	V CQ (x3) DE DP91 (x2) (Cont'd) HR NIL SK GB (x3)	CW	(JPL)
5801	M89	18-6-2014	0212	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	18-6-2014	0212	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	18-6-2014	0214	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
10421	M89	18-6-2014	0956	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
6773	M89	18-6-2014	1000	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
8676	M89	18-6-2014	1000	Wed	V CQ (x3) DE DP91 (x2) (Cont'd) //6770	CW	(JPL)
6770	M89	18-6-2014	1002	Wed	V CQ (x3) DE DP91 (x2) (Cont'd) //8676	CW	(JPL)
5801	M89	18-6-2014	1015	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	18-6-2014	1015	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	18-6-2014	1017	Wed	V GKLO (x3) DE TSTYUI (x2) (Cont'd) callsign problem	CW	(JPL)
10180	M89	22-6-2014	0006	Sun	3A7D: AR QSL? HR WK NR 31 (see N&O 201)	CW	(JPL)
6770	M89	22-6-2014	0959	Sun	V CQ (x3) DE DP91 (x2) (Cont'd) //8676	CW	(JPL)
8676	M89	22-6-2014	0959	Sun	V CQ (x3) DE DP91 (x2) PSE YK FF LL YK TC FREQ WK AHR NIL SK GB //6770	CW	(JPL)
3330	M89	22-6-2014	1344	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5801	M89	22-6-2014	1347	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	22-6-2014	1347	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5657	M89	22-6-2014	1350	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
3797	M89	22-6-2014	1351	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	22-6-2014	1351	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
5177	M89	22-6-2014	1353	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3642	M89	22-6-2014	1519	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	22-6-2014	1519	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
6840	M89	22-6-2014	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
4131	M89	22-6-2014	1531	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	22-6-2014	1805	Sun	2SLC: UGT AR 5 5018/.3..EEEE/0300/B19 K EEEE/.058. = = 5018/0300/B19/315. AR AR	CW	(JPL)
3642	M89	22-6-2014	1808	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	22-6-2014	1808	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	22-6-2014	1810	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	22-6-2014	1810	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3797	M89	22-6-2014	1812	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	22-6-2014	1812	Sun	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
4131	M89	22-6-2014	1813	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4225	M89	22-6-2014	1815	Sun	V 7NPEJ (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
4860	M89	22-6-2014	1820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	22-6-2014	1820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3642	M89	22-6-2014	2105	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	22-6-2014	2105	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5657	M89	22-6-2014	2109	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
4131	M89	22-6-2014	2110	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4860	M89	22-6-2014	2120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	22-6-2014	2120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
5801	M89	23-6-2014	1214	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	23-6-2014	1214	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6840	M89	23-6-2014	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	23-6-2014	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
5177	M89	23-6-2014	1239	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3820	M89	23-6-2014	1242	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	23-6-2014	1242	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
3797	M89	23-6-2014	1244	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	23-6-2014	1244	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
5801	M89	23-6-2014	1245	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	23-6-2014	1245	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5500	M89	23-6-2014	1247	Mon	V 7NPEJ (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3330	M89	23-6-2014	1248	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6666	M89	23-6-2014	1250	Mon	i.p. AGN K. R. FF NR 23/EX 2052 RMKS 7361 TO 4914 =	CW	(JPL)
5500	M89	23-6-2014	1927	Mon	V 7NPEJ (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3330	M89	23-6-2014	1928	Mon	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3642	M89	23-6-2014	1932	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	23-6-2014	1932	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	23-6-2014	1933	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	23-6-2014	1933	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3797	M89	23-6-2014	1934	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	23-6-2014	1934	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
5801	M89	24-6-2014	0216	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	24-6-2014	0216	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	24-6-2014	0218	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6840	M89	24-6-2014	0220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	24-6-2014	0220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
8110	M89	24-6-2014	0225	Tue	V 7NPEJ (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
6773	M89	24-6-2014	0923	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
10452	M89	24-6-2014	0944	Tue	i.p. 6UNA 7N43 AT46 4T6D (Cont'd) AR AR K K	CW	(JPL)
8072	M89	24-6-2014	0950	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	24-6-2014	0950	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
5801	M89	24-6-2014	0952	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	24-6-2014	0952	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6840	M89	24-6-2014	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	24-6-2014	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
4225	M89	24-6-2014	1025	Tue	V 7NPEJ (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3330	M89	24-6-2014	2016	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	24-6-2014	2017	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	24-6-2014	2017	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	24-6-2014	2019	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	24-6-2014	2019	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	24-6-2014	2020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	24-6-2014	2020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
4225	M89	24-6-2014	2025	Tue	V 7NPEJ (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3797	M89	24-6-2014	2027	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
4512	M89	24-6-2014	2027	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
4111	M89	24-6-2014	2055	Tue	i.p. = = DA56 A4DN U? U5NT T37D 36AT 5DU3 (Cont'd)	CW	(JPL)
5801	M89	25-6-2014	0122	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	25-6-2014	0122	Wed	NR 0970 930 RMKS 4210 TO 4399 BT COMM/1000/XZ085/59/4218/4399 AR AGN	CW	(JPL)
8072	M89	25-6-2014	0140	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
8243	M89	25-6-2014	0208	Wed	NTAU .634 D7NT 3.74 (Cont'd) = = 4TN7 AU63 5DT. 3AN7 TD.. (Cont'd)	CW	(JPL)
8072	M89	25-6-2014	0230	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	25-6-2014	0230	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8072	M89	25-6-2014	0851	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	25-6-2014	0851	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
10180	M89	25-6-2014	0933	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3330	M89	25-6-2014	1631	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	25-6-2014	1633	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	25-6-2014	1633	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	25-6-2014	1636	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	25-6-2014	1636	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3642	M89	25-6-2014	1848	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	25-6-2014	1848	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5177	M89	25-6-2014	1850	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	25-6-2014	1852	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	25-6-2014	1855	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
5801	M89	26-6-2014	0201	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	26-6-2014	0201	Thu	i.p. /XZ085/52/4218/4204 AR	CW	(JPL)
4532	M89	26-6-2014	1008	Thu	i.p. NR 59/EX 1800 RMKS CQ BT GKT7 AR	CW	(JPL)
6840	M89	26-6-2014	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	26-6-2014	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K // 6840	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
8072	M89	26-6-2014	1023	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
8040	M89	26-6-2014	1025	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3330	M89	26-6-2014	1032	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	26-6-2014	1218	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
6840	M89	26-6-2014	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	26-6-2014	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K // 6840	CW	(JPL)
3330	M89	26-6-2014	1225	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5657	M89	26-6-2014	1227	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5418	M89	26-6-2014	1235	Thu	i.p. IEC BT .N4. AR. IEC = 5851 K K	CW	(JPL)
6666	M89	26-6-2014	1235	Thu	i.p. U43U U67N 454D 6DND T6U6 (Cont'd) AR K. R = T3UA A3D3 4A36 3T46 (Cont'd)	CW	(JPL)
5801	M89	26-6-2014	1257	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	26-6-2014	1257	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
4532	M89	26-6-2014	1634	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3642	M89	26-6-2014	1639	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	26-6-2014	1639	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5801	M89	27-6-2014	0158	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	27-6-2014	0158	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	27-6-2014	1003	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	27-6-2014	1003	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
5801	M89	27-6-2014	1025	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	27-6-2014	1025	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8020	M89	27-6-2014	1036	Fri	V A7TR (x3) DE DI9Q (x2) (Cont'd)	CW	(JPL)
5588	M89	27-6-2014	1039	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5557	M89	27-6-2014	1105	Fri	i.p. D73D 3A7U 6DD6 N456 3U6T (Cont'd)	CW	(JPL)
5801	M89	27-6-2014	1325	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	27-6-2014	1325	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3820	M89	27-6-2014	1327	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	27-6-2014	1327	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5177	M89	27-6-2014	1330	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
7602	M89	27-6-2014	1829	Fri	V DKG6 de 3A7D	CW	(MPJ)
8020	M89	28-6-2014	0210	Sat	i.p. VV H6DJ K. VV FJ7F K. R QSA 2 K. VVV FJ7F K	CW	(JPL)
5801	M89	28-6-2014	0253	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	28-6-2014	0253	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6815	M89	28-6-2014	0301	Sat	i.p. R HR WK NR 29 K. R U1200 COMM GLOX K. R HR KPU K	CW	(JPL)
8072	M89	28-6-2014	0841	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5555	M89	28-6-2014	0846	Sat	i.p. 67DN AT U3 45. 67DN AT UT 3T4T5T6T R R R T7A55 DT7A	CW	(JPL)
5801	M89	28-6-2014	0857	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	28-6-2014	0857	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
4860	M89	28-6-2014	2020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	28-6-2014	2020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
5657	M89	28-6-2014	2222	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
3642	M89	28-6-2014	2247	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	28-6-2014	2247	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
10180	M89	29-6-2014	1055	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
8072	M89	29-6-2014	1057	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5588	M89	29-6-2014	1059	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	29-6-2014	1100	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
6666	M89	29-6-2014	1108	Sun	(i.p. 903 RMKS G. = = 28860 TO 9889 AR K	CW	(JPL)
8888	M89	29-6-2014	1108	Sun	(i.p. 05 05 05 (Cont'd) = U345 7334 57DN AUU3334 5. DN. 05 05 05 =	CW	(JPL)
5801	M89	29-6-2014	1127	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	29-6-2014	1127	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5177	M89	29-6-2014	1150	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
10180	M89	29-6-2014	1252	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3330	M89	29-6-2014	1754	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	29-6-2014	1756	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	29-6-2014	1756	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	29-6-2014	1758	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	29-6-2014	1758	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4532	M89	29-6-2014	1800	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
5500	M89	29-6-2014	1802	Sun	V 7NPEJ (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
5801	M89	30-6-2014	1111	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	30-6-2014	1111	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5500	M89	30-6-2014	1132	Mon	V 7NPEJ (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
7788	M89	30-6-2014	1145	Mon	i.p. HR MSG GA. MSG NR 26 CK 20 21 0630 1949 = (see N&O 201)	CW	(JPL)
7602	M89	30-6-2014	1507	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
6840	M89	30-6-2014	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
3642	M89	30-6-2014	1526	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	30-6-2014	1526	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
7160	M89	30-6-2014	1531	Mon	(i.p. VVV R TNM NNG QG/7G C.. VV = ADNT ? ADDN UN54 ..74	CW	(JPL)
6722	M89	30-6-2014	1534	Mon	(i.p. 6NTA U3D4 .D4N A.N4 TT3A (Cont'd) III III III = P. = 33A3 TDU6 U.ND 6NNU (Cont'd)	CW	(JPL)
3820	M89	30-6-2014	1540	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	30-6-2014	1540	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5555	M89	30-6-2014	1541	Mon	(i.p. N7T5 T46T U4ND TTA7 (Cont'd)	CW	(JPL)
5380	M89	30-6-2014	1547	Mon	(i.p. NU65 ..57T UA5U 576. (Cont'd) AR	CW	(JPL)
4131	M89	30-6-2014	1555	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	30-6-2014	1558	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	30-6-2014	2131	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	30-6-2014	2131	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	30-6-2014	2133	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	30-6-2014	2133	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5500	M89	30-6-2014	2136	Mon	V 7NPEJ (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
5650	MC03	12-6-2014	2005	Thu	FF 88005752454688 0401 FF 44105762449755 0358 (see N&O 201)	CW	(JPL-Sib)
5650	MC03	16-6-2014	2039	Mon	FFFF 8270509243418331 FFF 4410510245079931 (see N&O 201)	CW	(JPL-Sib)
6917.5	MX	3-6-2014	2125	Tue	Beacon "L" St Petersburg	CW	(LG2)
5155	MX	11-6-2014	2149	Wed	Beacon "L" St Petersburg	CW	(LG2)
5153.7	MX	11-6-2014	2205	Wed	Beacon "D" Sevastapol	CW	(LG2)
5154.2	MX	18-6-2014	1430	Wed	Beacon "F"	CW	(AB-Sib)
5154.3	MX	18-6-2014	1430	Wed	Beacon "K"	CW	(AB-Sib)
5154.4	MX	18-6-2014	1430	Wed	Beacon "M"	CW	(AB-Sib)
13528.4	MX	18-6-2014	1431	Wed	Beacon "M"	CW	(AB-Sib)
10872.2	MX	18-6-2014	1432	Wed	Beacon "F"	CW	(AB-Sib)
10872.3	MX	18-6-2014	1432	Wed	Beacon "K"	CW	(AB-Sib)
10872.4	MX	18-6-2014	1432	Wed	Beacon "M"	CW	(AB-Sib)
7038.4	MX	18-6-2014	1433	Wed	Beacon "M"	CW	(AB-Sib)
10872	MX	18-6-2014	1442	Wed	Beacon "C"	CW	(AB)
13528	MX	18-6-2014	1442	Wed	Beacon "C"	CW	(AB)
16331.7	MX	18-6-2014	1442	Wed	Beacon "D"	CW	(AB)
16331.9	MX	18-6-2014	1442	Wed	Beacon "S"	CW	(AB)
16332	MX	18-6-2014	1442	Wed	Beacon "C"	CW	(AB)
10872.4	MX	19-6-2014	0715	Thu	Beacon "M"	CW	(AB-Sib)
8494.6	MX	20-6-2014	1359	Fri	Beacon "F" Vladivostok	CW	(DAU)
13527.7	MX	20-6-2014	1556	Fri	Beacon "D" Odessa/Sevastopol	CW	(MPJ)
13527.9	MX	20-6-2014	1557	Fri	Beacon "S" Severomorsk	CW	(MPJ)
13528	MX	20-6-2014	1558	Fri	Beacon "C" Moscow	CW	(MPJ)
5154.4	MX	20-6-2014	1846	Fri	Beacon "M"	CW	(AB-Sib)
10872.4	MX	20-6-2014	1849	Fri	Beacon "M"	CW	(AB-Sib)
10872.4	MX	21-6-2014	0555	Sat	Beacon "M"	CW	(AB-Sib)
7039.3	MX	25-6-2014	1134	Wed	Beacon "K" Petropavlovsk	CW	(EW)
5154.3	MX	25-6-2014	1204	Wed	Beacon "K" Petropavlovsk	CW	(EW)
8495.2	MX	30-6-2014	1235	Mon	Beacon "F" Vladivostok	CW	(EW)
8495.4	MX	30-6-2014	1235	Mon	Beacon "M" Magadan	CW	(EW)
6873	S06	7-6-2014	1605	Sat	194 194 194 00000	AM	(Danix)
7432	S06	7-6-2014	1900	Sat	362 362 362 00000	AM	(HFD)
9164	S06	7-6-2014	1900	Sat	621 621 621 00000	AM	(HFD)
6792	S06	7-6-2014	2000	Sat	362 362 362 00000	AM	(HFD)
7768	S06	7-6-2014	2000	Sat	621 621 621 00000	AM	(HFD)
15910	S06	9-6-2014	1815	Mon	832 832 832 00000	AM	(HFD)
6984	S06	9-6-2014	1905	Mon	349 349 349 00000	AM	(HFD)
13585	S06	9-6-2014	1915	Mon	832 832 832 00000	AM	(HFD)
6984	S06	12-6-2014	1905	Thu	349 349 349 00000	AM	(HFD)
7947	S06	14-6-2014	1600	Sat	194 194 194 00000	AM	(HFD)
15721	S06	17-6-2014	0400	Tue	480 375 52 38031 36251 31064 ... 22203 17508 12408 00000	USB	(AB)
15721	S06	20-6-2014	0400	Fri	480 621 50 76218 56370 94598 ... 19871 29398 85483 00000	AM	(AB)
9164	S06	21-6-2014	1905	Sat	621 621 621 00000	USB	(PPA)
15910	S06	23-6-2014	1815	Mon	832 832 832 00000	AM	(Danix)
6984	S06	30-6-2014	1905	Mon	349 349 349 00000	USB	(GHn)
6984	S06	30-6-2014	1905	Mon	349 349 349 00000	AM	(HFD)
13812	S06c	25-6-2014	1010	Wed	11216 for 1.5 mins, switching transmitter on and off. Test tones	USB	(Danix)
13812	S06c	25-6-2014	1020	Wed	11216	USB	(Danix)
11483	S06c	25-6-2014	1030	Wed	11216	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
12952	S06s	12-6-2014	0900	Thu	167 482 5 19283 74658 78436 39980 23485 482 5 00000	AM	(Avare)
8221	S06s	16-6-2014	0831	Mon	371 462 5	USB	(KK2)
14535	S06s	19-6-2014	1215	Thu	i.p. ends 419 6 00000	AM	(AB)
7845	S06s	20-6-2014	0600	Fri	196 408 5 81274 41812 37047 36337 30127 408 5 00000	AM	(AB)
11742	S06s	20-6-2014	0600	Fri	934 208 5 35674 32144 32513 94931 42326 208 5 00000	USB	(AB)
9125	S06s	20-6-2014	0610	Fri	196 408 5 81274 41812 37047 36337 30127 408 5 00000	AM	(AB)
12366	S06s	20-6-2014	0610	Fri	934 208 5 35674 32144 32513 94931 42326 208 5 00000	USB	(AB)
7650	S06s	20-6-2014	0800	Fri	278 906 5 44801 99924 44326 92970 83889 906 5 00000	USB	(AB)
11165	S06s	25-6-2014	0950	Wed	635 284 10 20483 47292 38314 63370 76184 79445 71840 777398 81350 55579 284 10 00000	AM	(AB/Danix)
12530	S06s	25-6-2014	1000	Wed	635 284 10 20483 47292 38314 63370 76184 79445 71840 777398 81350 55579 284 10 00000	AM	(Danix)
14580	S06s	25-6-2014	1000	Wed	729 843 5 45139 46424 41973 39587 86464 843 5 00000	USB	(AB)
16020	S06s	25-6-2014	1010	Wed	729 843 5 45139 46424 41973 39587 86464 843 5 00000	USB	(AB)
13565	S06s	26-6-2014	0910	Thu	167 830 55 81274 41812 37047 36337 30127 830 55 00000	AM	(GU)
10325	S06s	26-6-2014	0940	Thu	314 907 55 35344 34489 38590 36364 92049 907 55 00000	AM	(GU)
11165	S06s	26-6-2014	0950	Thu	635 284 10 20483 47292 38314 63370 76184 79445 71840 777398 81350 55579 284 10 00000	AM	(Danix)
12530	S06s	26-6-2014	1000	Thu	635 284 10 20483 47292 38314 63370 76184 79445 71840 777398 81350 55579 284 10 00000	AM	(Danix)
13145	S06s	26-6-2014	1200	Thu	425 819 66 45138 45424 41973 39587 86464 32184 819 66 00000	AM	(GU)
14535	S06s	26-6-2014	1210	Thu	425 819 66 45138 45424 41973 39587 86464 32184 819 66 00000	AM	(GU)
4870	S11a	4-6-2014	1955	Wed	370/00	USB	(Danix)
4870	S11a	11-6-2014	1955	Wed	370/00	USB	(Danix)
8530	S11a	20-6-2014	0915	Fri	483/36 Vnimanie 04905 02240 39457 ... 93211 54692 23499 Vnimanie, rpt msg, konec	USB	(AB)
11581	S11a	24-6-2014	1020	Tue	426/00	USB	(Danix)
4870	S11a	25-6-2014	1955	Wed	373/33 46675 62629 87805 ... 58452 89736 45329	USB	(Danix)
8530	S11a	27-6-2014	0915	Fri	484/00	USB	(Danix)
16530	S11a	30-6-2014	1015	Mon	475/00	USB	(AnEUR)
12172	S25	24-6-2014	0622	Tue	215 75558 215 71078 22222 70668 72518 11111 00000 00000	USB	(Avare)
14857	S25	25-6-2014	1700	Wed	023 023 023 32972 32972 11111 11111 00000 00000	USB	(AB)
14857	S25	25-6-2014	1700	Wed	023 023 023 32972 32972 11111 11111 00000 00000	USB	(AB)
4625	S28	1-6-2014	1505	Sun	The buzzer on 4542, 4583, 4625, 4643, 4709, 4750, 4592 kHz	USB	(Avare)
4625	S28	16-6-2014	0629	Mon	MDZhB 68 952 PIKTS 57 16 99 29	USB	(DJPr)
4625	S28	16-6-2014	0746	Mon	MDZhB 49 949 AGRKOLIT 19 68 73 22	USB	(DJPr)
4625	S28	16-6-2014	1326	Mon	MDZhB 09 840 TIL'DA 80 49 60 72 VZRASHENIE 66 02 83 50	USB	(DJPr)
4625	S28	16-6-2014	1329	Mon	MDZhB 88 550 NEISChETNYJ 86 03 41 03	USB	(DJPr)
4625	S28	21-6-2014	0851	Sat	MDZhB 52 012 BARASH 59 52 18 53	USB	(DJPr)
4625	S28	25-6-2014	1229	Wed	MDZhB 95 862 PERLOVICA 76 19 06 60	USB	(DJPr)
3756	S30	1-6-2014	1837	Sun	L'GJ TShchShchS VKY1 HCLF 61H2h ZBIL L7O5 V'Z' NLCE V2MZ	USB	(DJPr)
3756	S30	2-6-2014	1828	Mon	Ci9V ZhSK4 5FSShch DEAY DMC3 49FT C2ZA LI27 INNC ShchGJP	USB	(DJPr)
3756	S30	4-6-2014	1749	Wed	ShchGJP F61N MUDR 'U1B 8MUO 5J7Shch TUZR 27Shch' N1DU 53OB	USB	(DJPr)
5448	S30	5-6-2014	1409	Thu	5FSShsh 49FT TUZR 5J7Shch 19 255 56 787 41 944 26 122 HOLODNIK 44 78 01 42	USB	(DJPr)
5448	S30	7-6-2014	1408	Sat	5F7Shch 49FT TUZR 5J7Shch 66 431 56 298 43 202 66 185 OTCEPSHIK 98 69 21 67	USB	(DJPr)
3756	S30	7-6-2014	1751	Sat	MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch	USB	(DJPr)
3756	S30	10-6-2014	1709	Tue	F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 6I2Zh ZhD9V SJ5C 42BV	USB	(DJPr)
3756	S30	11-6-2014	1323	Wed	8S1Shch V BLIZHAYSHIYe 3-6 CHASOV S SOKHRANENIYEM DO 13 IYUNYA PO TERRITORII RESPUBLIKI SEVERNAYA OSETIYA I ALANIYA OZHIDAYUTSYA SIL'NYE GROZOVYYE DOZHDI SO SHKVALISTYUM USILENIYEM VETRA DO 22 M/S , POD'YEM UROVNYA REK DO NEBLA-GOPRIYATNYKH OTMETOK, V GORAKH SKHODY SELEY V MALYKH OB'YEMAKH	USB	(DJPr)
5448	S30	16-6-2014	0626	Mon	8S1Shch 10 655 RYLEC 87 30 62 12	USB	(DJPr)
3756	S30	17-6-2014	1702	Tue	V'Z' NLCE V2MZ SB7Z 8MUO TUZR 6J7Shch 27Shch' N1DU 53OB	USB	(DJPr)
5448	S30	18-6-2014	1353	Wed	8S1Shch V BLIZHAYSHIYe 1-3 CHASA S SOKHRANENIYEM DO 18-19 IYUNYA V KABARDINO-BALKARSKOY RESPUBLIKE OZHIDAYUTSYA SIL'NYE GROZOVYYE DOZHDI S LIVNEM I GRADOM, SO SHKVALISTYUM VETROM DO 20-25 M/S, NA REKAKH I VODOSTOKAKH POD-YEM UROVNYA VODY DO NEBLAGOPRIYATNYKH OTMETOK, V GORAKH SKHOD SELEY	USB	(DJPr)
3756	S30	18-6-2014	1851	Wed	LI27 INNC ShchGJP 8CSchj TZLM FY5E F61N 37CN MUDR 7VNShch	USB	(DJPr)
5448	S30	19-6-2014	0422	Thu	Zh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZU	USB	(DJPr)
3828	S32	4-6-2014	1750	Wed	BIZON-64 DUBLER-68 LANDYSH-74 PENZA-07 DZhIGIT-46	USB	(DJPr)
5473	S32	5-6-2014	1406	Thu	ALFA-45 76 503 NEVEJKA 33 79 63 83	USB	(DJPr)
5473	S32	7-6-2014	0515	Sat	ALFA-45 48 917 GIMATEL' 30 58 53 56	USB	(DJPr)
3828	S32	8-6-2014	1906	Sun	OTPOR-89 ALEUT-09 PENZA-07 UTES-94 DUBLER-68	USB	(DJPr)
3828	S32	11-6-2014	0203	Wed	ALFA-45 67 058 MILOSH 00 96 46 60	USB	(DJPr)
5473	S32	16-6-2014	1328	Mon	ALFA-45 32 590 BITOK 38 21 49 10	USB	(DJPr)
3828	S32	18-6-2014	1819	Wed	SLIVA-94 ShTORA-62 NEVKA-26 UTES-94 FONTAN-34	USB	(DJPr)
3851	UM01	1-6-2014	0200	Sun	CQ P 6	CW	(JPL-Sib)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
3851	UM01	1-6-2014	0200	Sun	CQ P 6	CW	(JPL-Sib)
3851	UM01	1-6-2014	1131	Sun	CQ P 11	CW	(JPL-Sib)
3851	UM01	1-6-2014	1131	Sun	CQ P 11	CW	(JPL-Sib)
3851	UM01	1-6-2014	1737	Sun	CQ P 7	CW	(JPL-Sib)
3851	UM01	1-6-2014	1737	Sun	CQ P 7	CW	(JPL-Sib)
3851	UM01	1-6-2014	2018	Sun	CQ P 6	CW	(JPL-Sib)
3851	UM01	1-6-2014	2018	Sun	CQ P 6	CW	(JPL-Sib)
3851	UM01	2-6-2014	0158	Mon	CQ P 6	CW	(JPL-Sib)
3851	UM01	2-6-2014	0158	Mon	CQ P 6	CW	(JPL-Sib)
3851	UM01	2-6-2014	0320	Mon	CQ P 6	CW	(JPL-Sib)
3851	UM01	2-6-2014	0320	Mon	CQ P 6	CW	(JPL-Sib)
3851	UM01	4-6-2014	1100	Wed	CQ P 17	CW	(JPL-Sib)
3851	UM01	5-6-2014	1757	Thu	CQ P 11	CW	(JPL-Sib)
3851	UM01	6-6-2014	0226	Fri	CQ P 8	CW	(JPL-Sib)
3851	UM01	6-6-2014	1050	Fri	CQ P 13	CW	(JPL-Sib)
3851	UM01	6-6-2014	1217	Fri	CQ P 13	CW	(JPL-Sib)
3851	UM01	6-6-2014	1218	Fri	CQ P 14	CW	(JPL-Sib)
3851	UM01	6-6-2014	1555	Fri	CQ P 14	CW	(JPL-Sib)
3851	UM01	6-6-2014	1631	Fri	CQ P 14	CW	(JPL-Sib)
3851	UM01	6-6-2014	1925	Fri	CQ P 12	CW	(JPL-Sib)
3851	UM01	6-6-2014	2109	Fri	CQ P 11	CW	(JPL-Sib)
3851	UM01	6-6-2014	2318	Fri	CQ P 9	CW	(JPL-Sib)
3851	UM01	7-6-2014	0159	Sat	CQ P 10	CW	(JPL-Sib)
3851	UM01	7-6-2014	0233	Sat	CQ P 11	CW	(JPL-Sib)
3851	UM01	7-6-2014	0948	Sat	CQ P 11	CW	(JPL-Sib)
3851	UM01	7-6-2014	1039	Sat	CQ P 11	CW	(JPL-Sib)
3851	UM01	7-6-2014	1327	Sat	CQ P 11	CW	(JPL-Sib)
3851	UM01	7-6-2014	1654	Sat	CQ P 10	CW	(JPL-Sib)
3851	UM01	7-6-2014	1721	Sat	CQ P 9	CW	(JPL-Sib)
3851	UM01	7-6-2014	1845	Sat	CQ P 9	CW	(JPL-Sib)
3851	UM01	7-6-2014	1913	Sat	CQ P 8	CW	(JPL-Sib)
3851	UM01	7-6-2014	2102	Sat	CQ P 7	CW	(JPL-Sib)
3851	UM01	7-6-2014	2252	Sat	CQ P 7	CW	(JPL-Sib)
3851	UM01	8-6-2014	0917	Sun	CQ P 8	CW	(JPL-Sib)
3851	UM01	8-6-2014	1021	Sun	CQ P 8	CW	(JPL-Sib)
3851	UM01	8-6-2014	1357	Sun	CQ P 8	CW	(JPL-Sib)
3851	UM01	8-6-2014	1741	Sun	CQ P 8	CW	(JPL-Sib)
3851	UM01	8-6-2014	2049	Sun	CQ P 6	CW	(JPL-Sib)
3851	UM01	9-6-2014	0005	Mon	CQ P 7	CW	(JPL-Sib)
3851	UM01	9-6-2014	0148	Mon	CQ P 7	CW	(JPL-Sib)
3851	UM01	9-6-2014	1025	Mon	CQ P 9	CW	(JPL-Sib)
3851	UM01	9-6-2014	1459	Mon	CQ P 9	CW	(JPL-Sib)
3851	UM01	9-6-2014	2018	Mon	CQ P 7	CW	(JPL-Sib)
3851	UM01	10-6-2014	0944	Tue	CQ P 19	CW	(JPL-Sib)
3851	UM01	10-6-2014	1626	Tue	CQ P 18	CW	(JPL-Sib)
3851	UM01	10-6-2014	2216	Tue	CQ P 14	CW	(JPL-Sib)
3851	UM01	11-6-2014	0052	Wed	CQ P 9	CW	(JPL-Sib)
3851	UM01	11-6-2014	0949	Wed	CQ P 19	CW	(JPL-Sib)
3851	UM01	11-6-2014	1348	Wed	CQ P 17	CW	(JPL-Sib)
3851	UM01	11-6-2014	1830	Wed	CQ P 14	CW	(JPL-Sib)
3851	UM01	11-6-2014	2316	Wed	CQ P 13	CW	(JPL-Sib)
3851	UM01	12-6-2014	0211	Thu	CQ P 15	CW	(JPL-Sib)
3851	UM01	12-6-2014	0257	Thu	CQ P 15	CW	(JPL-Sib)
3581	UM01	15-6-2014	1024	Sun	CQ P 24	CW	(JPL-Sib)
3581	UM01	15-6-2014	1503	Sun	CQ P 23	CW	(JPL-Sib)
3581	UM01	15-6-2014	1941	Sun	CQ P 21	CW	(JPL-Sib)
3581	UM01	16-6-2014	1207	Mon	CQ P 25	CW	(JPL-Sib)
3581	UM01	16-6-2014	1530	Mon	CQ P 24	CW	(JPL-Sib)
3581	UM01	16-6-2014	2029	Mon	CQ P 21	CW	(JPL-Sib)
3581	UM01	17-6-2014	0212	Tue	CQ P 21	CW	(JPL-Sib)
3581	UM01	17-6-2014	0950	Tue	CQ P 24	CW	(JPL-Sib)
3581	UM01	17-6-2014	1359	Tue	CQ P 24	CW	(AB-Sib)
3581	UM01	17-6-2014	1835	Tue	CQ P 22	CW	(JPL-Sib)
3581	UM01	17-6-2014	2057	Tue	CQ P 21	CW	(JPL-Sib)
3581	UM01	18-6-2014	1211	Wed	CQ P 22	CW	(AB-Sib)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
3581	UM01	18-6-2014	1423	Wed	CQ P 23	CW	(AB-Sib)
3581	UM01	20-6-2014	1847	Fri	CQ P 20	CW	(AB-Sib)
3581	UM01	20-6-2014	2155	Fri	CQ P 18	CW	(AB-Sib)
3581	UM01	21-6-2014	0553	Sat	CQ P 24	CW	(AB-Sib)
3581	UM01	21-6-2014	0750	Sat	CQ P 25	CW	(AB-Sib)
3581	UM01	21-6-2014	0932	Sat	CQ P 24	CW	(AB-Sib)
3581	UM01	22-6-2014	1518	Sun	CQ P 27	CW	(JPL-Sib)
3581	UM01	22-6-2014	1827	Sun	CQ P 24	CW	(JPL-Sib)
3581	UM01	22-6-2014	2105	Sun	CQ P 23	CW	(JPL-Sib)
3581	UM01	23-6-2014	2017	Mon	CQ P 24	CW	(JPL-Sib)
3581	UM01	23-6-2014	2059	Mon	CQ P 23	CW	(AB-Sib)
3334	UM10	4-6-2014	2049	Wed	Unid 10-mins station: POCI //4137 kHz	CW	(JPL-Sib)
4137	UM10	4-6-2014	2049	Wed	Unid 10-mins station: POCI //3334 kHz	CW	(JPL-Sib)
3207	UM10	10-6-2014	1627	Tue	Unid 10-mins station: NJ6A	CW	(JPL-Sib)
3334	UM10	11-6-2014	1350	Wed	Unid 10-mins station: POCI //4137 kHz	CW	(JPL-Sib)
4137	UM10	11-6-2014	1350	Wed	Unid 10-mins station: POCI //3384 kHz	CW	(JPL-Sib)
3334	UM10	14-6-2014	1925	Sat	Unid 10-mins station: POCI //4137 kHz	CW	(JPL-Sib)
4137	UM10	14-6-2014	1925	Sat	Unid 10-mins station: POCI //3334 kHz	CW	(JPL-Sib)
4136	UM10	15-6-2014	1519	Sun	Unid 10-mins station: POCI	CW	(JPL-Sib)
3334	UM10	23-6-2014	2018	Mon	Unid 10-mins net: POCI //4137 kHz	CW	(JPL-Sib)
4137	UM10	23-6-2014	2018	Mon	Unid 10-mins net: POCI //3334 kHz	CW	(JPL-Sib)
3334	UM10	30-6-2014	1552	Mon	Unid 10-mins net: POCI //4137 kHz	CW	(JPL-Sib)
4137	UM10	30-6-2014	1552	Mon	Unid 10-mins net: POCI //3334 kHz	CW	(JPL-Sib)
8135	V02a	8-6-2014	2300	Sun	YL/SS w/text of 5F grps mixing with M08a	AM	(DSch)
7554	V02a	10-6-2014	2000	Tue	YL/SS Atencion 41102 54431 66752 and into texts of 5F grps	LSB	(DSch)
12182	V07	1-6-2014	0700	Sun	112 112 112 000	AM	(Dan)
12182	V07	1-6-2014	0700	Sun	112 112 112 000	USB	(Danix)
12182	V07	1-6-2014	0700	Sun	112 112 112 000	USB	(HFD)
11182	V07	1-6-2014	0720	Sun	112 112 112 000	USB	(HFD)
11182	V07	1-6-2014	0720	Sun	112 112 112 000	AM	(Dan)
12182	V07	8-6-2014	0700	Sun	112 112 112 1 (x5) 355 89 (x2) 12793 04922 23332 000 000	AM	(Dan)
11182	V07	8-6-2014	0720	Sun	112 112 112 1 (x5) 355 89 (x2) 12793 04922 23332 000 000	AM	(Dan)
10282	V07	8-6-2014	0740	Sun	112 112 112 1 (x5) 355 89 (x2) 12793 04922 23332 000 000	AM	(Dan)
12182	V07	15-6-2014	0700	Sun	Barely audible	AM	(Dan)
12182	V07	15-6-2014	0700	Sun	112 112 112 000	USB	(Danix)
11182	V07	15-6-2014	0720	Sun	Barely audible	AM	(Dan)
12182	V07	22-6-2014	0700	Sun	112 112 112 000	USB	(Danix)
12182	V07	22-6-2014	0700	Sun	112 112 112 000	AM	(Dan)
11182	V07	22-6-2014	0720	Sun	112 112 112 000	AM	(Dan)
12182	V07	29-6-2014	0700	Sun	112 112 112 1 283 53 38094 83353 14237 000 000	AM	(Dan)
11182	V07	29-6-2014	0720	Sun	112 1 268 53 38094 83353 21386 ... 83995 85785 14237 000 000	USB	(Danix)
11182	V07	29-6-2014	0720	Sun	112 112 112 1 283 53 38094 83353 14237 000 000	AM	(Dan)
10282	V07	29-6-2014	0740	Sun	112 112 112 1 283 53 38094 83353 14237 000 000	AM	(Dan)
15388	V13	30-6-2014	0700	Mon	New Star #4. Tune followed by coded messages in Chinese	AM	(AB-HK)
14405	X06	4-6-2014	0641	Wed	Mazielka. Sequence: 256341	USB	(FN)
14447	X06	6-6-2014	0737	Fri	Mazielka. Sequence: 162543	USB	(PH)
14501	X06	6-6-2014	1004	Fri	Mazielka. Sequence 361245	USB	(PH)
14501	X06	6-6-2014	1042	Fri	Mazielka. Sequence 361245	USB	(PH)
14501	X06	6-6-2014	1116	Fri	Mazielka. Sequence 361245	USB	(PH)
14501	X06	6-6-2014	1125	Fri	Mazielka. Sequence: 361245	USB	(Danix)
16060	X06	8-6-2014	1040	Sun	Mazielka. Sequence: 261453	USB	(Dan)
14675	X06	10-6-2014	1329	Tue	Mazielka. Sequence: 612534	USB	(PH)
14675	X06	10-6-2014	1342	Tue	Mazielka. Sequence: 612534	USB	(Dan)
14650	X06	10-6-2014	1433	Tue	Mazielka. Sequence: 215346	USB	(PH)
14970	X06	10-6-2014	1444	Tue	Mazielka. Sequence: 216354	USB	(PH)
14377	X06	16-6-2014	0730	Mon	Mazielka. Sequence: 432516	USB	(PH)
18750	X06	16-6-2014	0735	Mon	Mazielka. Sequence: 641523	USB	(PH)
14377	X06	16-6-2014	0746	Mon	Mazielka. Sequence: 432516	USB	(PH)
14377	X06	16-6-2014	0753	Mon	Mazielka. Sequence: 432516	USS	(Avare)
14377	X06	16-6-2014	0753	Mon	Mazielka. Sequence: 432516	USS	(Avare)
14812	X06	17-6-2014	0921	Tue	Mazielka. Sequence: 246531	USB	(PH)
14812	X06	17-6-2014	0921	Tue	Mazielka. Sequence: 246531	USB	(PH)
10202	X06	17-6-2014	1911	Tue	Mazielka. Sequence: 215346	USB	(Danix)
10202	X06	17-6-2014	1911	Tue	Mazielka. Sequence: 215346	USB	(Danix)
13448	X06	19-6-2014	0818	Thu	Mazielka. Sequence: 162543	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contr.
14570	X06	20-6-2014	0833	Fri	Mazielka. Sequence: 324615	USB	(PH)
14501	X06	20-6-2014	1006	Fri	Mazielka. Sequence: 361245	USB	(PH)
20690	X06	24-6-2014	0742	Tue	Mazielka. Sequence: 156234	USB	(Danix)
14655	X06	24-6-2014	0748	Tue	Mazielka. Sequence: 156234	USB	(PH)
20690	X06	24-6-2014	0753	Tue	Mazielka. Sequence: 156234	USB	(Danix)
15878	X06	25-6-2014	1046	Wed	Mazielka. Sequence: 621543	USB	(Danix)
16188	X06	26-6-2014	1548	Thu	Maziela. Sequence: 325614	USB	(Avare)
14863	X06	27-6-2014	0958	Fri	Mazielka. Sequence: 615243	USB	(PH)
15973	X06c	19-6-2014	0801	Thu	Mazielka. Sequence: 123456	USB	(Danix)
8312.5	XLS	1-6-2014	1159	Sun	Slot machine	QPSK	(Cornel)
5067	XM	14-6-2014	2020	Sat	i.p.	USB	(Avare)
10438	XPA	3-6-2014	1730	Tue	msg	MFSK-20	(HFD)
9938	XPA	3-6-2014	1750	Tue	491 491 491 1 07824 00277 10018 ... 98577 82372 33150	MFSK-20	(SP1)
9938	XPA	3-6-2014	1750	Tue	msg	MFSK-20	(HFD)
9138	XPA	3-6-2014	1810	Tue	msg	MFSK-20	(HFD)
9938	XPA	5-6-2014	1751	Thu	491 491 491 1 07824 00277 10018 ... 98577 82372 33150	MFSK-20	(SP01)
11409	XPA	28-6-2014	0600	Sat	RYRYRY 456 456 456 000 06042 00001 00000	MFSK-20	(AB)
13509	XPA	28-6-2014	0620	Sat	RYRYRY 456 456 456 000 06042 00001 00000	MFSK-20	(AB)
14609	XPA	28-6-2014	0640	Sat	RYRYRY 456 456 456 000 06042 00001 00000	MFSK-20	(AB)
14738	XPA2	1-6-2014	2000	Sun	04758 00001 00000 10140	MFSK	(Dan)
13348	XPA2	1-6-2014	2020	Sun	04758 00001 00000 10140	MFSK	(Dan)
12138	XPA2	1-6-2014	2040	Sun	04758 00001 00000 10140	MFSK	(Dan)
12138	XPA2	1-6-2014	2100	Sun	04758 00001 00000 10140	MFSK	(Dan)
14738	XPA2	3-6-2014	2100	Tue	msg	MFSK-16	(HFD)
13438	XPA2	3-6-2014	2120	Tue	msg	MFSK-16	(HFD)
12138	XPA2	3-6-2014	2140	Tue	msg	MFSK-16	(HFD)
14663	XPA2	8-6-2014	2120	Sun		MFSK-16	(DN)
13923	XPA2	8-6-2014	2140	Sun		MFSK-16	(DN)
16167	XPA2	13-6-2014	2100	Fri	00113 00061 53856 ... 48841 24613 65177	MFSK-16	(SP1)
16167	XPA2	13-6-2014	2100	Fri	00113 00061 53856 ... 48841 24613 65177	MFSK-16	(Danix)
14663	XPA2	13-6-2014	2120	Fri	00113 00061 53856 ... 48841 24613 65177	MFSK-16	(SP1)
14663	XPA2	13-6-2014	2120	Fri	00113 00061 53856 ... 48841 24613 65177	MFSK-16	(SP1)
13923	XPA2	13-6-2014	2140	Fri	00113 00061 53856 ... 48841 24613 65177	MFSK-16	(SP1)
16167	XPA2	14-6-2014	2100	Sat	03912 00001 00000 10140	MFSK-16	(Danix)
14984	XPA2	17-6-2014	1920	Tue	09904 00187 05693 ... 68811 44477 76625	MFSK-16	(Danix)
16167	XPA2	20-6-2014	2100	Fri	07391 00115 48710 ... 09315 13746 32453	MFSK-16	(Danix)
20513	XPA2	24-6-2014	0700	Tue	04455 00001 00000 10140	MFSK-16	(Danix)
12138	XPA2	24-6-2014	2140	Tue	09569 00053 15760 ... 75931 92103 73437	MFSK-16	(Danix)
16167	XPA2	28-6-2014	2100	Sat	05142 00001 00000 10140	MFSK-16	(Danix)

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