

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
6723	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
976	87698	69876	87698	69876	87612	12341	34867	86798	632
967	43298	65656	56756	56123	32143	14321	32143	14321	321
91	02787	58765	76587	58765	76587	58765	76587	58756	765
75476	96543	54365	36543	54365	36543	54365	36543	54365	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #206, November 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/>

We have again an incredible amount of logs and transcripts. All the contributors are mentioned at the end of this newsletter but I would especially like to thank Danix, JPL, Jim (MPJ) and Jean-Paul (JPL) for the pile of logs that they submitted.

VOICE STATIONS



E06

19350/20980 kHz, 06-11, 0600/0700 UTC, 19350/20975 kHz, 07-11, 0600/0700 UTC
19350/20980 kHz, 20-11, 0600/0700 UTC, 19350/20980 kHz, 21-11, 0600/0700 UTC
507 832 109

67028 79337 00529 25736 70212 65577 36348 92569 73743 45969
94093 70685 63486 51776 14726 62595 20614 94295 56952 47959
48937 95297 18175 31521 35938 85919 97708 03005 70928 91206
88236 38103 68770 42485 06416 95272 72610 84748 98584 88021
34042 71261 82508 37366 94161 62551 11086 34157 13926 71981
68983 65947 27279 25097 38099 88111 15455 24925 92826 43878
25922 40424 11032 62982 84386 60256 11696 93619 73304 79092
55148 47385 75326 08610 66846 61886 05136 30395 70616 10728
78088 32924 42314 15538 89115 99815 19823 39735 00316 41533
30346 68729 60672 87742 20918 06220 06346 82494 03075 41312
14958 49428 47625 66107 12331 19183 90453 48479 55090
832 109 00000

The transmission on 7-11 was followed by "1" ca 20secs after the end of the transmission.
Unfortunately I stopped the recording by that time :-)

4836 kHz, 06-11/20-11, 2036 UTC

321 (R) 569 569 20 20
14259 22676 32782 32782 76723 89409 12215 74326 64070 90235
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
569 569 20 20 00000

4760 kHz, 07-11/21-11, 2130 UTC

470 613 20
14259 22676 32782 32782 76723 89409 12215 74326 64070 90235
38085 59543 12319 74238 46664 12256 18841 73311 98089 12250
613 20 00000

On 16-11, 1032 UTC, 6874 kHz there was a test count first done with G06 voice, then with E06.



E07

E07, 7724/6924/5824 kHz, 10-11, 2000/2020/2040 UTC

798 798 798 1 877 51 877 51
41892 15222 15032 21014 53306 83579 21452 86527 80605 56788
71370 00015 67655 22638 32408 01025 01331 05966 90821 58366
62774 27455 14280 81144 37265 77512 01065 86748 82577 30635
62442 12487 80714 67259 79728 93586 05430 31294 57463 30484
73214 94045 61506 43377 78882 22764 21181 33307 44847 52802
04198 000

E07a, 5864/5164/4564 kHz, 12-11, 2100/2120/2140 UTC

815 815 815 1 13723 1105 97 1105 97
58521 76432 67210 47651 60622 13028 64036 26218 20786 46979
14325 68493 11709 75276 05538 93361 76176 19684 96004 34056
62286 21905 66952 16650 97820 83149 72517 91462 17941 00759
47872 19950 48833 93226 33436 31518 83182 95542 13676 18410
34234 25124 13344 33163 64747 85337 51921 43143 88725 36364
26389 19024 05398 95827 85605 54180 36467 18706 64650 41228
05210 44182 64405 17185 18639 55487 23004 22620 07738 22537
91634 55135 46500 00422 06896 74428 54134 58881 85630 69885
99215 21221 46370 90323 26129 50257 80308 78616 01056 88076
38514 91354 27451 00513 59232 50777 00844 000

E07a, 5146/5846/6846 kHz, 13-11, 0530/0550/0610 UTC

188 1 13723 1105 97
58521 76432 67210 47651 60622 13028 64036 26218 20786 46979
14325 68493 11709 75276 05538 93361 76176 19684 96004 34056
62286 21905 66952 16650 97820 83149 72517 91462 17941 00759
47872 19950 48833 93226 33436 31518 83182 95542 13676 18410
34234 25124 13344 33163 64747 85337 51921 43143 88725 36364
26389 19024 05398 95827 85605 54180 36467 18706 64650 41228
05210 44182 64405 17185 18639 55487 23004 22620 07738 22537
91634 55135 46500 00422 06896 74428 54134 58881 85630 69885
99215 21221 46370 90323 26129 50257 80308 78616 01056 88076
38514 91354 27451 00513 59232 50777 00844 000

8138/7538/6838 kHz, 14-11, 1610/1630/1650 UTC

158 1 69682 3947 73
33092 08214 00832 99856 74524 18231 21771 77396 75198 90697
04080 70102 40974 71745 58409 95277 06241 86081 22883 90800
59189 59645 57434 71330 15931 88637 67086 22394 09110 72321
50095 74095 47858 12001 58281 84838 35206 83839 13733 07100
30185 23796 69344 55319 62967 88112 54727 42184 99413 78179
89517 84851 85928 21381 47645 23285 34748 27816 74311 34734
55235 68845 29316 14317 76587 16222 20577 21939 88855 32177
75574 13243 32417 000 000

11553/12153/13552 kHz, 15-11, 0900/0920/0940 UTC

515 1 69682 3947 73
33092 08214 00832 99856 74524 18231 21771 77396 75198 90697
04080 70102 40974 71745 58409 95277 06241 86081 22883 90800
59189 59645 57434 71330 15931 88637 67086 22394 09110 72321
50095 74095 47858 12001 58281 84838 35206 83839 13733 07100
30185 23796 69344 55319 62967 88112 54727 42184 99413 78179
89517 84851 85928 21381 47645 23285 34748 27816 74311 34734
55235 68845 29316 14317 76587 16222 20577 21939 88855 32177
75574 13243 32417 000 000

E07a, 5864/5164/4564 kHz, 19-11, 2100/2120/2140 UTC

815 815 815 1 67077 6676 89 6676 89
55146 76504 66823 83441 34010 41077 79266 91429 04052 85630
52140 33791 86036 48512 42260 73644 09449 75707 52578 05965
61723 71535 16589 78407 71849 83651 06948 86700 42328 28898
69269 89870 10978 07563 36268 99097 79451 71057 70585 69870
66209 87625 50935 54436 53870 24287 00267 26912 25798 56475
65690 87281 93025 34442 11270 20021 92217 42821 14745 56610
13791 30367 67200 13592 63911 85218 26452 74099 13098 33134
00395 28140 71164 75902 62032 43995 69557 92529 10466 08383
03859 46185 26699 82746 78536 38144 85115 80507 44504
000 000

E07a, 5146/5846/6846 kHz, 20-11, 0530/0550/0610 UTC

188 1 67077 6676 89

55146 76504 66823 83441 34010 41077 79266 91429 04052 85630
52140 33791 86036 48512 42260 73644 09449 75707 52578 05965
61723 71535 16589 78407 71849 83651 06948 86700 42328 28898
69269 89870 10978 07563 36268 99097 79451 71057 70585 69870
66209 87625 50935 54436 53870 24287 00267 26912 25798 56475
65690 87281 93025 34442 11270 20021 92217 42821 14745 56610
13791 30376 67200 13592 63911 85218 26452 74099 13098 33134
00395 28140 71164 75902 62032 43995 69557 92529 10466 08383
03859 46185 26699 82746 78536 38144 85115 80507 44504
000 000



E11/ E11a

10690 kHz, 01-11, 1400 UTC

982/10 Attention 48839 56330 74502 21921 46140 67669 03010 10184 46267 54440 Attention, rpt msg, out

10213 kHz, 01-11, 1810 UTC

983/10 Attention 88464 03051 33634 36149 53622 89909 08908 39909 61999 63281 Attention, rpt msg, out

10213 kHz, 04-11, 1810 UTC

983/10 Attention 04807 97571 82856 80588 46522 67331 89970 88259 50615 45757 Attention, rpt msg, out

10690 kHz, 04-11, 1400 UTC

988/10 Attention 26983 93538 05007 06411 98477 54926 58364 30870 58619 12739 Attention, rpt msg, out

10690 kHz, 15-11, 1400 UTC

981/10 Attention 40119 46841 03007 07984 09217 71666 12697 94184 23041 63336 Attention, rpt msg, out

10213 kHz, 15-11, 1810 UTC

983/10 Attention 37175 39150 53759 69278 78470 10827 23811 69522 42625 79705 Attention, rpt msg, out

10213 kHz, 18-11, 1810 UTC

987/10 Attention 16646 66781 07881 98737 74040 25110 82373 08875 16123 23684 Attention, rpt msg, out

10690 kHz, 18-11, 1400 UTC

984/10 Attention 48276 74553 09127 39133 96597 63581 66798 08937 69509 79358 Attention, rpt msg, out

10690 kHz, 22-11, 1400 UTC

988/10 Attention 98451 79668 19256 79618 29422 07931 69356 06386 64015 24621 Attention, rpt msg, out

10213 kHz, 22-11, 1810 UTC

981/10 Attention 08236 12721 12355 71548 88850 06682 26907 65426 47813 75059 Attention, rpt msg, out

14410 kHz, 03-11, 1110 UTC

952/33 Attention

69182 53976 22061 13792 54422 81764 09100 63918 38817 23381
73842 62439 01661 87423 02636 64451 90775 77004 77127 55648
20823 20157 15943 25482 65188 97187 07962 96688 90831 72967
64402 68275 35773

Attention, rpt msg, out

15632 kHz, 03-11/09-11, 1540 UTC

225/31 Attention

98507 26657 15350 68226 09719 98263 95693 52542 98205 19214
58871 88540 96355 37040 83316 68764 00415 16617 42512 26413
27282 12577 91500 34862 61604 62216 41548 26425 72639 80580
11070

Attention, rpt msg, out

6923 kHz, 03-11, 1710 UTC

953/30 Attention

66526 68370 98768 62435 49847 65674 09291 74703 14958 59511
86004 73574 96871 03285 67880 55385 50462 57162 71528 59671
97043 14481 07182 06859 43222 02926 54058 00736 20302 58165

Attention, rpt msg, out

12153 kHz, 04-11, 1045 UTC / 6304 kHz, 07-11, 2000 UTC

571/35 Attention

70419 06000 76450 99532 54501 39621 75157 02370 38633 43031
32149 18743 40243 07046 94919 57824 99924 43148 87907 27939
62830 00545 73282 01467 06492 06547 59476 11699 16763 57450
26085 93229 14120 66030 88608

Attention, rpt msg, out

9950 kHz, 05-11/06-11, 0930 UTC

276/30 Attention

64315 32982 23227 90976 52262 55644 39314 08412 09610 60963
54708 00161 63963 62898 41227 78927 53647 60090 89935 09052
24685 67536 06268 33879 58393 12126 78036 11027 88782 98291

Attention, rpt msg, out

4441 kHz, 06-11/08-11, 0900 UTC

247/31 Attention

28757 81823 06902 72016 24563 97291 39868 80202 15090 38202
12205 33878 05454 59915 82036 80027 42881 22388 08740 61740
87706 18171 09157 95977 84877 27625 90918 75373 94042 87201
29065

Attention, rpt msg, out

6923 kHz, 07-11, 1710 UTC

955/25 Attention

20697 02981 77270 64822 92049 71297 49635 84693 59424 46739
79530 83418 44409 05833 51181 28889 84737 98758 25415 37359
76976 75109 48361 58607 79810

Attention, rpt msg, out

15632 kHz, 09-11, 1540 UTC

228/31 Attention

98507 26657 15350 68226 09719 98263 95693 52542 98205 19214
58871 88540 96355 37040 83316 68764 00415 16617 42512 26413
27282 12577 91500 34862 61604 62216 41548 26425 72639 80580
11070

Attention, rpt msg, out

10213 kHz, 10-11, 0745 UTC / 5409 kHz, 13-11, 1530 UTC

262/33 Attention

74496 83422 23189 50811 34333 81181 47960 79567 81110 45771
78332 02319 28026 66538 08256 22998 78961 15460 40241 55039
49038 86094 44441 26994 28402 19643 71442 45290 35721 25579
13261 04316 52368

Attention, rpt msg, out

5082 kHz, 10-11, 0450 UTC / 13-11, 1730 UTC

412/34 Attention

49319 29425 50847 81193 88385 96903 62968 99924 09939 01698
25194 33511 12414 26968 17323 82823 65958 81774 96985 65296
48722 40282 44894 85739 06053 09304 15301 15421 87962 50564
78293 04810 23641 49348

Attention, rpt msg, out

10800 kHz, 11-11/14-11, 0710 UTC

637/31 Attention

26308 16082 74248 70908 14057 24176 76952 56692 38087 49419
94246 03909 12580 50452 67636 27274 63097 04951 04354 83675
08844 01027 60211 48100 03640 55272 81830 52316 25203 77654
31255

Attention, rpt msg, out

9443 kHz, 12-11/15-11, 1705 UTC

395/34 Attention

73359 36007 55552 76041 92672 75066 53230 74600 57088 11305
20036 30295 35559 03441 10668 30396 16316 85679 03072 08489
89981 64831 25601 26210 80879 73467 06036 00135 00759 93247
30826 74037 05427 83777

Attention, rpt msg, out

10125 kHz, 17-11/20-11, 0820 UTC

439/37 Attention

70870 32135 89319 92583 31153 07179 71006 00726 50567 68086
18587 18540 32945 20759 76599 71433 54319 30618 03983 06905
65432 71167 36559 73416 55283 03988 39387 22070 41196 14630
87677 03758 80558 45819 03188 93033 42002

Attention, rpt msg, out

14410 kHz, 17-11, 1110 UTC

956/33 Attention

22594 04207 41679 88698 08384 39350 21017 09896 36011 07609
58026 15753 29366 53086 60056 10049 92891 68596 17935 13480
66505 03688 04410 12069 63307 07036 61040 43629 55427 32677
39606 55813 77196

Attention, rpt msg, out

16112 kHz, 18-11/20-11, 0745 UTC

330/30 Attention

99484 32081 92565 52568 91447 62772 68138 25246 49246 48392
70657 60049 52813 80074 48409 80321 41356 22474 73696 01365
61960 05987 59900 29885 25468 08153 69244 30925 09613 32104

Attention, rpt msg, out

10429 kHz, 19-11/23-11, 0805 UTC

373/38 Attention

94282 53820 33856 92620 53632 57389 05517 63092 87333 45407
27766 95332 40217 16223 26945 21978 48734 16925 55235 51057
28115 80149 12969 19749 97404 34211 31248 89948 48090 12976
05962 82006 82279 68296 96731 11510 37560 35349

Attention, rpt msg, out

9446 kHz, 17-11/19-11, 0900 UTC

538/30 Attention

34226 56942 85384 93835 28953 91293 81187 15200 77368 77965
57608 61337 77119 05043 87321 37103 74262 04118 03237 84602
60829 42500 37778 38551 51159 60513 76806 10941 99636 98082

Attention, rpt msg, out

4441 kHz, 19-11/22-11, 1445 UTC

289/36 Attention

07697 70696 39547 98642 80524 72543 33852 90739 38672 20468
68690 31186 04057 41631 65314 35304 53959 81401 34398 07821
05129 11152 01712 14813 36662 00817 05558 21425 15073 49661
44118 13246 07595 62826 62502 59077

Attention, rpt msg, out

15632 kHz, 19-11/20-11, 1155 UTC

716/32 Attention

62932 68751 26847 23721 43300 73419 97560 92548 48870 66986
62368 38887 98295 13488 48431 29415 30028 26936 80739 01085
13449 06964 94363 59359 55172 12073 22758 17770 40389 06952
91730 78180

Attention, rpt msg, out

6923 kHz, 21-11, 1710 UTC

953/21 Attention

11711 18384 71492 63793 27695 15861 47536 65665 35708 12909
64845 19937 13492 36091 34172 52367 17814 71923 32679 53838
72933

Attention, rpt msg, out

6923 kHz, 24-11, 1710 UTC

951/20 Attention

12403 88647 83667 41028 73773 12208 70094 14507 62961 13330
20074 68115 48713 63045 05031 40277 69496 76621 26340 05776

Attention, rpt msg, out

7840 kHz, 25-11/27-11, 0645 UTC

515/30 Attention

54663 02165 69199 03232 39191 08668 40455 74458 66981 92627
51936 99067 36655 84295 76693 84381 15113 52878 92944 95977
15077 32072 13875 59429 55809 03029 20467 64680 64433 70939

Attention, rpt msg, out

8091 kHz, 25-11/26-11, 1045 UTC

469/35 Attention

52966 89926 90963 54758 46794 42513 46685 80403 15125 98203
18433 17315 96177 92428 86043 45704 81911 27278 66818 93163
05971 63110 93975 62946 39002 78307 96900 56169 86332 73182
54083 91075 26014 84595 12301

Attention, rpt msg, out

5779 kHz, 267-11, 0315 UTC: [see S11a](#)

5779 kHz, 27-11, 0315 UTC

258/32 Attention

03685 41426 56729 90042 96958 72009 43976 39921 46017 46842
54190 02335 34098 07736 54251 79588 61776 13553 64384 23292
60854 02706 84464 34512 16543 22668 13775 75831 62158 03635
20099 80661

Attention, rpt msg, out

6923 kHz, 28-11, 1710 UTC

951/20 Attention

56839 53295 96744 37586 42398 67226 99693 85174 52538 26670
02508 85871 66665 13126 02982 77171 02925 13021 38194 85776

Attention, rpt msg, out



E17z

8100 kHz, 13-11, 0700 UTC, copied by Danix

Live YL operator says "274" once. At 0705 UTC an attempt to transmit a message started, which went like this:

274 (R) 891 891 ?0 ?0

4 achtung(?) 6 46062 46062 864

Followed by what sounded like a phone conversation. Then the transmission ended. Recording:

<http://priyom.org/media/134939/e17z-8100usb-20141113-0705z-failmsg-live-bydanix.ogg>

10240 kHz, 15-11, 1530 UTC, copied by Danix, who writes:

It started with the standard E17z voice machine repeating "274". It stopped after two minutes, and returned a minute later.

After one minute of repeated "274", the message began: 958 958 30 30 33796 13577 74526 46647 79302 20534 11160 43494

Then, suddenly, the carrier was switched off. It returned a minute later with "274" repeated for one minute, then it continued from group #9 onwards: 38786 30485.

Someone at E17z turned down the audio at the two last digits of the repeat of the group "30485". Blank carrier for two minutes, then faint E17z returned with repeated "274", but seconds later it stopped. Then over the next two minutes there were ~30 kHz wide tones, and a minute later more "274" with low audio, which stopped after 30 seconds. It stopped, and then 15 seconds it restarted with good audio. "274" for one minute, and groups from #11 onwards: 68672 86468 38786 30485 96632 52537 53317 06675 41847 21767 53587 11834 81022 36903 41412 55676 09775 86315 25910 (! repeated as 25901 !) 05899 50387 45847 23013 89757 52343 79628 42432 54 and off again.

Then, something unusual happened - we could hear microphone noises and breathing into it, then a LIVE YL OPERATOR began repeating "274", continuing from group #34 onwards: 23013 89757 52343 79628 42432 54577 56281 891 891 30 30 0 0 0 0

Note that the DK at the end was 891, as opposed to 958 given at the beginning. Also the message was 40 groups long in total.

The same YL was previously heard on Thursday, 13 November 2014, at 0700-0710 UTC on 8100 kHz, where she tried to send a message, also with DK 891, but stopped after two groups.

Therefore the full message was:

274 958 30

33796 13577 74526 46647 79302 20534 11160 43494 38786 30485

46062 68672 86468 38786 30485 96632 52537 53317 06675 41847

21767 53587 11834 81022 36903 41412 55676 09775 86315 25910 (! repeated as 25901 !)

05899 50387 45847 23013 89757 52343 79628 42432 54577 56281

891 30 00000

Note that the groups 38786 30485 repeat in this message.

The message groups have been heard on S06s before. These are just examples from this year, in order. Some repeats are even "vertical".

S06s 6/13 February 2014 - 09:00/09:10 - 5410/6770 - 624 850 7 *33796 13577 74526 46647 79302*

S06s 16/23 July 2014 - 10:00/10:10 - 14580/16020 - 729 814 5 *20534 11160 43494* 37538 16070

S06s 16/23 May 2014 - 06:00/06:10 - 7845/9125 - 196 832 5 *46062 68672* 97478 39685 *30485*

S06s 17/24 March 2014 - 08:30/08:40 - 9220/8270 - 371 869 5 *96632* [group #16] *41412* [group #26] *52343*

[group #36] 81413 11749 S06s - 18/25 July 2014 - 09:30/09:40 - 10290/9655 - 516 208 7 46062 68672 97478 39685 39485 *96632* *52537*

S06s 20/27 March 2014 - 09:00/09:10 - 12952/13565 - 167 234 5 46062 *21767* [group #21] *05899* [group #31] 26635

47665 S06s - 16/23 June 2014 - 12:00/12:10 - 10230/12165 - 831 246 5 21767 53672 11834 *81022* *3690*4

S06s 22/29 July 2014 - 11:00/11:10 - 6810/7560 - 754 298 6 99168 47130 43404 40105 34883 *89757*

S06s 17/24 July 2014 - 09:30/09:40 - 9255/10325 - 314 987 5 52343 *79628 42432* 56075 15521

Full recording of today's TX: <http://priyom.org/media/135007/e17z-10240am-20141115-1532z-megafail-epictx-live-bydanix.ogg>

Recording of the Thursday 0700 UTC TX featuring the same live op:
<http://priyom.org/media/134939/e17z-8100usb-20141113-0705z-failmsg-live-bydanix.ogg>

Other logs: see the Logs Section



G06

4538 kHz, 03-11, 1800 UTC

367 367 367 00000. Ends with 367 367 367 00000 00000

4519 kHz, 13-11, 1830 UTC

271 394 20

06132 75514 79681 94217 21443 31441 81797 17512 62689 33103

48930 93432 25709 93628 48683 18809 85052 49870 63962 04884

394 20 00000

Followed by a Windows sound.

4519 kHz, 27-11, 1830 UTC

271 394 20

25132 75514 79681 94217 21443 31441 81797 17512 62689 33123

48932 93432 25729 93628 48683 18829 85252 49872 63962 04884

394 394 20 20 00000



S06

6943 kHz, 01-11, 1600 UTC

194 780 36

05231 68769 96281 85610 79610 05837 25510 83348 76124 29282

49525 03591 93964 48774 10669 21905 10914 46023 33364 16835

10628 16146 45003 45571 58740 43127 77243 55520 05018 39849

90370 24033 00423 63642 51967 29475

780 36 00000

3832 kHz, 01-11, 1935 UTC

396 425 37

35480 13318 02696 49280 93694 56197 56941 50953 10433 82894

73586 06278 07397 81348 10377 25498 34748 32808 42132 14749

57606 11125 44578 81267 10629 12456 89263 02575 43706 70016

19173 60260 71429 17875 01345 14821 74335

425 37 00000

19875 kHz, 13-11, 0830 UTC

842 970 31

72157 09772 41089 92246 37632 21152 89810 53846 30017 77182

01329 72473 49320 09515 66987 45247 58161 91384 28616 34619

10285 73905 28774 63318 44006 47076 84518 26960 64047 42678

70654

970 31 00000

4760 kHz, 21-11, 2130 UTC

470 613 20
 14259 22676 32782 32782 76723 89409 12215 74326 64070 90235
 38085 59543 12319 74238 46664 12256 18841 73311 98089 12250
 613 20 00000

19875 kHz, 27-11, 0806 UTC

Strong carrier followed at 1812 UTC by a test 0123456789 followed by a much weaker test (other antenna or direction?)

19875 kHz, 27-11, 0830 UTC

842 709 33
 09537 80757 85929 38308 63677 87329 11707 99648 71990 33728
 51751 59575 67319 74672 07184 36267 78416 18262 15143 73697
 91536 02670 76051 96709 19542 10451 68868 06029 70723 81374
 59017 36655 34511
 709 33 00000



S06s

Unscheduled transmissions, logged by Danix who also added several notes.

5420/4543 kHz, 01-11, 2100/2110 UTC

874 318 9
 82795 99434 71556 83971 03398 66805 98865 45964 29474
 318 9 00000

6262/7010 kHz, 03-11, 0405/0415 UTC

127 302 18
 49711 63258 87613 95086 31910 65625 94603 94027 13253 95086
 31910 65625 38984 52523 02630 38984 52523 02630
 302 18 00000

Recording: <http://priyom.org/media/133590/s06s-6262lsb-20141103-0405z-msg-bydanix.ogg>

The above one was sent in LSB + carrier instead of USB + carrier. Also the message shows interesting features when split into lines of three. The red ones are duplicate groups.

49711 63258 87613 95086 31910 65625 94603 94027 13253 95086 31910 65625 38984 52523 02630 38984 52523 02630

5420/4543 kHz, 20-11, 2100/2110 UTC: 874 874 874 00000

5020 kHz, 23-11, 1630 UTC / No repeat transmission was found

976 (R6) 356 18
 47664 63389 70950 40897 71609 42262 12233 60711 15404 90338
 04568 01442 65824 53348 53716 94302 43666 37019

Recording <http://priyom.org/media/135344/s06s-5020am-20141123-1630z-msg-bydanix.ogg>

In all these messages they broke their common rules:

- 1) The header string only contains unique digits.
- 2) The second 3-figure group does not start with anything but 2, 4, 5, 8 or 9.

Thanks for the report, Danix. Much appreciated.



S11a

19099 kHz, 03-11, 0716 UTC

387/35 Vnimanie

67670 70384 38194 49558 17997 40372 45023 35607 65207 67357
99783 67068 29579 09709 02274 94086 30620 96284 77288 94161
26731 30992 91187 49653 59046 01284 67588 10356 68499 97621
14082 44570 74325 00854 54966

9610 kHz, 04-11/07-11, 1020 UTC

426/35 Vnimanie

83472 31611 93110 27620 70438 85427 13255 28501 77832 49510
38073 83457 15069 90106 74064 57578 71009 93873 82970 57713
57344 44316 40830 80199 00777 95886 82233 80874 99011 74570
11798 43610 54243 74639 86629

5815 kHz, 05-11/07-11, 1955 UTC

378/30 Vnimanie

43071 37430 44989 67221 60063 30386 09971 13757 58460 74088
73682 83608 45882 51261 46449 14952 99258 54146 88964 47562
17013 36872 88865 57064 69356 22815 48781 10680 42813 65819

7504 kHz, 18-11/21-11, 0915 UTC

487/35 Vnimanie

47459 41114 42293 53428 00768 18346 65123 62869 20129 11527
76588 65838 35957 55462 23395 13489 86225 83401 29853 73514
15413 10516 11238 89997 65182 96733 80638 84552 80875 55693
22658 35801 96743 61538 89792

12530 kHz, 24-11/27-11, 1015 UTC

478/35 Vnimanie

00420 63802 57965 01691 37795 15775 90584 53651 68033 26917
25911 86805 97889 55751 59029 61291 72860 70950 02960 90835
33204 34703 40372 39402 55414 43116 91144 32888 22813 97505
50615 93309 90744 95179 19597

6433 kHz, 26-11/29-11, 1020 UTC

224/35 Vnimanie

23832 36349 72847 38608 22916 34982 11949 46207 88317 23711
58666 23153 19469 35113 49144 92807 16756 20443 13513 59249
31014 29381 51671 34357 97810 03890 61606 66605 17235 58833
33611 86363 55230 43745 00357

S11a was transmitted instead of E11a

5779 kHz, 27-11, 0315 UTC

258/32 Vnimanie

03685 41426 56729 90042 96958 72009 43976 39921 46017 46842
54190 02335 34098 07736 54251 79588 61776 13553 64384 23292
60854 02706 84464 34512 16543 22668 13775 75831 62158 03635
20099 80661



S28 - The Buzzer

Mode: USB
Frequency: 4625 kHz

02-11, 1405 UTC	MDZhB 30 575 VALOHA 44 35 75 43
02-11, 1451 UTC	MDZhB 32 056 VZDERZhKA 20 01 69 53
09-11, 1227 UTC	MDZhB 90 170 AVANSOVYJ 23 66 04 36
19-11, 1544 UTC	MDZhB 19 186 DIASPOR 62 47 13 50
19-11, 1719 UTC	MDZhB 17 713 ZERNOFURAZh 73 80 33 42
23-11, 1724 UTC	MDZhB 86 389 AKUSHERSKIJ 21 03 40 58
24-11, 1307 UTC	MDZhB 34 571 TALLIJ 91 87 28 31
24-11, 1311 UTC	MDZhB 95 241 MAJORAT 60 94 47 50
24-11, 1313 UTC	MDZhB 14 645 ZATYChKA 02 76 88 80
24-11, 1405 UTC	MDZhB 75 880 KAL'KOGRAF 48 69 91 30
24-11, 1411 UTC	MDZhB 39 116 PATRUBYeN' 73 29 10 89
24-11, 1423 UTC	MDZhB 90 282 FANATIChNYJ 92 54 82 69
24-11, 1548 UTC	MDZhB 70 325 TALOVKA 53 89 11 15
24-11, 1551 UTC	MDZhB 80 191 MYeDSYeSTRA 21 55 37 88
24-11, 1716 UTC	MDZhB 69 006 GALO 26 22 13 19
26-11, 1721 UTC	MDZhB 23 416 ELYeKTRUM 57 22 75 85
24-11, 1018 UTC	MDZhB 48 010 MIGALKA 20 68 79 99
27-11, 1027 UTC	MDZhB 42 053 BEJLIF 56 73 10 15
27-11, 1029 UTC	MDZhB 17 017 GINYeCYeJ 56 02 64 50
27-11, 1103 UTC	MDZhB 60 790 TAGUAN 57 44 67 79
27-11, 1110 UTC	MDZhB 63 782 SKUTOZAVR 66 61 87 68
27-11, 1117 UTC	MDZhB 12 639 GALOTRIHIT 82 83 52 35
27-11, 1122 UTC	MDZhB 57 051 NAHLYNOK 99 95 63 26
27-11, 1136 UTC	MDZhB 62 894 GEOLOGIYa 70 83 16 39
27-11, 1139 UTC	MDZhB 27 993 TIGRICA 80 07 72 87
27-11, 1142 UTC	MDZhB 27 933 TIGRICA 80 07 72 87
27-11, 1543 UTC	MDZhB 20 977 PYeHOTINYeC 30 91 36 29
27-11, 1552 UTC	MDZhB 20 977 PYeHOTINYeC 30 91 36 29



S30 - The Pip

Modes: CW (Pip), USB (messages)
Frequencies: 3756 kHz (night), 5448 kHz (day)

New PIP frequency found by DJPr: 8606 kHz USB.

3756 kHz, 02-11, 1809 UTC	Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZI
8606 kHz, 03-11, 0725 UTC	8S1Shch 49 536 OBOChKA 28 46 03 97
8606 kHz, 03-11, 0847 UTC	L'GJ TshchSchchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z' NLCE V2MZ
5448 kHz, 03-11, 1356 UTC	8S1Shch 60 550 77 530 POLUMETAL 92 98 38 81
5448 kHz, 05-11, 1331 UTC	6I2Zh ZhD9V CJ5C 42BV 81BR M7KS PMV5 L'GJ TShchSchchS VKY1
3756 kHz, 05-11, 1807 UTC	HCLF 61HZh ZBIL L7O5 V'Z' NLCE V2MZ SB7Z 8MUO TUZR
3756 kHz, 08-11, 1800 UTC	JH'J S7ZhG Z'1B CI9V ZhSK4 5FSShch DEAY DMC3 49FT C2ZA
3756 kHz, 11-11, 1531 UTC	VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS'
3756 kHz, 12-11, 1830 UTC	TUZR 5J7Shch 27Shch' N1DU 53OB 78MV 12CI 79AJ P'HSch 6EHB
3756 kHz, 14-11, 0530 UTC	OSOG BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS' DKJ1 6I2Zh ZhD9V
5448 kHz, 14-11, 0659 UTC	8S1Shch 08 423 NEYaRKIJ 14 97 63 23
5448 kHz, 14-11, 1235 UTC	8S1Shch 59 145 REVENNYJ 83 32 76 38
3756 kHz, 14-11, 1516 UTC	ZBIL L7O5 V'Z' NLCE V2MZ SB7Z 8MUO TUZR 5J7Shch 27Shch'
3756 kHz, 14-11, 1659 UTC	8S1Shch 95 032 TEKUSchIJ 52 75 97 11
3756 kHz, 14-11, 1901 UTC	8S1Shch 98 698 OTDUSHNIK 14 85 17 91
3756 kHz, 14-11, 2259 UTC	8S1Shch 64 925 VYMPeL'NYJ 88 88 48 43
5448 kHz, 15-11, 1332 UTC	Z7PM 'O6P JH'J S7ZhG Z'1B CI9V ZhSK4 5FSShch DEAY DMC3
3756 kHz, 15-11, 1810 UTC	49FT C2ZA LI27 INNC ShchGJP 8CShchJ TZLM FY5E F61N 37CN

5448 kHz, 16-11, 1352 UTC	9GSA ZhBZI 4RVZ 3VS' DKJ1 6I2Zh ZhD9V CJ5C 42BV 81BR
3756 kHz, 16-11, 1843 UTC	M7KS PMV5 L'GJ TShchSchchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z'
3756 kHz, 17-11, 1726 UTC	S7ZhG Z'1B CI9V ZhSK4 5FSShch DEAY DMC3 49FT C2ZA LI27
3756 kHz, 18-11, 1548 UTC	DKJ1 6I2Zh ZhD9V CJ5C 42BV 81BR M7KS PMV5 L'GJ TShchShchS
5448 kHz, 19-11, 1335 UTC	TUZR 5J7Shch 27Shch' N1DU 53OB 78MV 12CI 79AJ P'HSch 6EHB
3756 kHz, 19-11, 1718 UTC	8S1Shch 66 478 DISPERSIYa 25 48 24 19
3756 kHz, 19-11, 1830 UTC	CP3' ShchT3O CIHS Z7PM 'O6P JH'J S7ZhG Z'1B CI9V ZhSK4
3756 kHz, 20-11, 1814 UTC	OSOG BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS' DKJ1 6I2Zh ZhD9V
3756 kHz, 21-11, 1639 UTC	N1DU 53OB 78MV 12CI 79AJ P'HSch 6EHB CP3' ShchT3O CIHS
3756 kHz, 22-11, 1938 UTC	MUDR 7VNSch Zh7NZh YMA5 VHT3 AGDT 'U1B OSOG BO6C F56Shch
5448 kHz, 23-11, 1330 UTC	M7KS PMV5 L'GJ TShchSchchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z'
3756 kHz, 23-11, 1724 UTC	8S1Shch 97 801 STIBNIL 31 47 96 45
5448 kHz, 24-11, 1315 UTC	8S1Shch 35 655 VYVARKA 65 80 41 27
3756 kHz, 24-11, 1422 UTC	8S1Shch 25 620 BOChISTA 27 03 67 48
3756 kHz, 24-11, 1718 UTC	8S1Shch 84 646 KOLIK 10 21 39 99
3756 kHz, 24-11, 1830 UTC	INNC ShchGJP 8CSchJ TZLM FY5E F61N Z7CN MUDR 7VNSch Zh7NZh
5448 kHz, 25-11, 1329 UTC	8S1Shch 43 781 DOMOVITYJ 07 49 70 43
3756 kHz, 26-11, 0524 UTC	8MUO TUZR 5J7Shch 27Shch' N1DU 53OB 78MV 12CI 79AJ P'HSch
3756 kHz, 26-11, 1722 UTC	8S1Shch 65 300 HINOLIN 36 72 82 11
3756 kHz, 26-11, 1846 UTC	ZhSK4 5FSShch DEAY DMC3 49FT C2ZA LI27 INNC ShchGJP 8CSchJ
3756 kHz, 27-11, 0521 UTC	TZLM FY5E F61N Z7CN MUDR 7VNSch Zh7NZh YMA5 VTH3 AGDT
5448 kHz, 27-11, 1213 UTC	8S1Shch BRESKA 90 44
3756 kHz, 26-11, 1812 UTC	ZhD9V SJ5C 42BV 81BR M7KS PMV5 L'GJ



S32 - Squeaky Wheel

Mode: USB

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

3828 kHz, 02-11, 1409 UTC	ALFA-45 96 570 ALKAN 13 62 95 59
3828 kHz, 02-11, 1455 UTC	ALFA-45 53 415 PROVOZHANIE 44 34 80 72
5473 kHz, 03-11, 1309 UTC	OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74
5473 kHz, 04-11, 0713 UTC	NEVKA-26 OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74
5473 kHz, 05-11, 1238 UTC	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64
3828 kHz, 05-11, 1659 UTC	NEVKA-26 OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74
3828 kHz, 05-11, 1855 UTC	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64
5473 kHz, 06-11, 1336 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29
3828 kHz, 06-11, 1607 UTC	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64
5473 kHz, 08-11, 0732 UTC	ALFA-45 97 247 PODKLADNOJ 09 79 99 50
5473 kHz, 12-11, 1155 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29 OTPOR-89 BIZO-64 KOVBOJ-39 ALEUT-09 LANDYSh-74
5473 kHz, 12-11, 0808 UTC	OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74
5473 kHz, 14-11, 1242 UTC	ALFA-45 59 494 SAREMA 00 13 11 33
3828 kHz, 14-11, 2316 UTC	ALFA-45 81 323 NEVEJKA 61 12 28 44
3828 kHz, 15-11, 0508 UTC	ALFA-45 34 307 PAZUShchNYJ 88 08 19 68
3828 kHz, 15-11, 1652 UTC	ALFA-45 97 185 BAGRENNYJ 08 40 95 23
3828 kHz, 15-11, 1853 UTC	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64
3828 kHz, 15-11, 2109 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29
5473 kHz, 16-11, 1307 UTC	ALFA-45 27 329 CIANPLAN 71 05 37 74
3828 kHz, 16-11, 1423 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29
3828 kHz, 14-11, 1807 UTC	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64 NEVKA-26
5473 kHz, 17-11, 0757 UTC	OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74 NEVKA-26
5473 kHz, 17-11, 1241 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29
3828 kHz, 18-11, 1607 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29 RUZh'E-26
3828 kHz, 18-11, 1846 UTC	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64 NEVKA-26
5473 kHz, 19-11, 0849 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29
3828 kHz, 19-11, 1709 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29
3828 kHz, 19-11, 1722 UTC	ALFA-45 14 309 MERChISON 64 24 20 24
3828 kHz, 20-11, 1500 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29
3828 kHz, 21-11, 1802 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29

3828 kHz, 21-11, 2134 UTC OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74
 3828 kHz, 22-11, 1503 UTC ALFA-45 20 386 LEMNISKATA 23 31 04 81
 3828 kHz, 22-11, 1850 UTC STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64
 3828 kHz, 22-11, 2150 UTC SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29
 3828 kHz, 23-11, 1728 UTC ALFA-45 20 634 BOChISTA 65 30 47 88
 3828 kHz, 23-11, 1736 UTC RUZh'E-26 BIZON-64 PENZA-07 KURGAN-40 DUBLER-68
 5473 kHz, 24-11, 1323 UTC ALFA-45 84 503 RADIOLOG 05 69 60 51
 5473 kHz, 24-11, 1356 UTC ALFA-45 21 441 MAZhORNYJ 70 88 09 11
 3828 kHz, 24-11, 1428 UTC ALFA-45 37 057 PALIMIRA 69 74 28 70
 3828 kHz, 24-11, 1550 UTC ALFA-45 85 841 BUTIL 81 83 96 64
 3828 kHz, 24-11, 1817 UTC STOROZh-62 NEVKA-26 UTES-94 KOVBOJ-39 PENZA-07
 5473 kHz, 25-11, 1334 UTC ALFA-45 04 890 KABYeL'ShchIK 66 84 30 78
 3828 kHz, 26-11, 1500 UTC ROSA-64 DZhIGIT-46 OTPOR-89 LOGIKA-05 YaHTA-94 FONTAN-34
 3828 kHz, 26-11, 1807 UTC RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07
 3828 kHz, 29-11, 2022 UTC RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07(Talk and PIP marker in the background)



V07

18074 kHz, 30-11, 0100 UTC

883 883 883 1 234 63
 39432 95298 20034 07445 33798 49120 73538 23005 53930 31234
 84333 78934 75814 54387 31891 50200 23185 47518 81583 19043
 87883 98337 33484 31989 30484 03819 88053 51734 04188 32983
 79140 18035 57398 83990 81024 23577 70551 81502 12349 83349
 53513 03187 41115 13497 90303 31129 32048 73091 13323 53383
 73083 25498 33110 89340 03549 85988 51923 47052 18049 31031
 44184 05352 24327
 000 000



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 July 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	9725 kHz	1200-1230 kHz	New Star 4
8300 kHz	0500-0530 kHz	New Star 3	9725 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			



V24

V24 schedules, compiled by Token

V24 Schedule, late 2014.

V24 Schedule Version 9.0

Day	1200	1230	1300	1330	1400	1430	1500	1530	1600	1630
1										
2										
3										
4										
5				5715		6310		5290 *		
6				6215		6310		5290 *		
7										
8							4900 ?			
9										
10							4900 !			
11							4900 !			
12										
13										
14										
15				5715		6310				
16				6215		6310				
17										
18							4900			
19							4900			
20							4900 ?			
21								5290 *#		
22								5290 *#		
23										
24										
25				5715						
26				6215						
27										
28										
29										
30										
31								4900 ?		

* Alternate months, odd months only (July, September, November, etc)

? Possible error, but more than one occurrence

! Seen only one time, but two days in a row and proper message

*# Typically only transmits one of these two days

Very little change from Version 8.0 to Version 9.0 of this schedule.

Active frequencies now appear to be 4900, 5290, 5715, 6215, and 6310 kHz.

M94 not seen since November 2013, M94 dropped from title.

Note the 1330 UTC cycles, one day on 5715 kHz and the next on 6215 kHz. Initially believed to be an error this has now repeated for several months. The same message is sent both days.

Note the return of an alternate month schedule at 1530 UTC on day 5 and 6 of the month.

Start times have become more “loose”, with errors of +/- 10 minutes noted. Typically the music starts before the scheduled start time.



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, 8046, 8170, 8779, 9000, 9129, 9169, 9192, 9290, 9340, 10508, 17392 kHz.

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, 5465.9 kHz (seldom reported these days)

W, R, L, K, Z 5835, 8112, 8162 kHz (Air Force)

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



M01

M01, 5810 kHz, 01-11, 1500 UTC

197 339 30 =

65043 49367 59311 99837 85700 16891 40396 21338 53459 90816

53346 34598 25685 49171 30922 49075 45352 91963 38200 50365

61797 48048 23269 16143 00306 18591 83949 19541 98300 60744

= 339 30 000

M01, 5465 kHz, 02-11, 0700 UTC

Very strong harmonics heard on 10930 kHz, stronger than the main frequency.

197 521 521 30 30 = =

54275 24761 44829 83718 77548 51457 98307 14405 34147 98565

50247 94821 15630 53758 28568 67165 75522 56068 72139 22854

10120 52365 86218 06336 80318 85664 13091 54757 48861 67911

= = 521 521 30 30 0 0 0

M01, 4852 kHz, 04-11, 1825 UTC

567 326 326 17 17 = =

67083 25043 63507 82118 11037 48104 98317 29760 57744 06955

23250 68944 35597 80052 26996 53796 09630

= = 326 326 17 17 0 0 0

M01, 4490 kHz, 04-11, 2000 UTC

197 785 785 30 30 = =
99818 30169 16526 34845 09188 85452 69218 13436 57182 85032
76219 21490 46547 87477 87477 62141 08252 69716 31414 38771
17172 65625 88381 58215 50093 50093 88241 95464 37610 14369
21465 20992
785 785 30 30 0 0 0

M01, 4852 kHz, 09-11, 1842 UTC

567 396 396 91 91 = =
19637 33585 91526 56701 71312 47714 74669 43786 08484 41159
54717 00965 80597 20199 70836 83938 59871 75506 49100 89294
63401 84746 16865 57761 17631 36940 90783 05585 01111 24865
47502 13970 97168 88491 84837 37587 53367 55552 21036 19697
36316 29953 55299 83654 04883 03921 52530 20151 93900 62832
35311 70489 52242 51655 17542 88028 51647 19884 67826 59801
45436 66180 29145 74048 95673 68802 92342 65045 27915 84714
21411 55760 01006 14520 70151 42985 81661 16055 56738 81572
18473 44692 47583 41
0 0 0

Message not completed, just ended with "0 0 0" at 1900 UTC

<http://priyom.org/media/134740/m01-4851usb-20141109-1842z-msg-datending-bydanix.ogg>

M01, 4852 kHz, 11-11, 1839 UTC

567 (R6m) 396 91 91 = =
19637 33585 91526 56701 71312 47714 74669 43786 08484 41159
54717 00965 80597 20199 70836 83938 59871 75506 49100 89294
63401 84746 16865 57761 17631 36940 90783 05585 01111 24865
47502 13970 97168 88491 84837 37587 53367 55552 21036 19697
36316 29953 55299 83654 04883 03921 52530 20151 93900 62832
35311 70489 52242 51655 17542 88028 51647 19884 67826 59801
45436 66180 29145 74048 95673 68802 92342 65045 27915 84714
21411 55760 01006 14520 70151 42985 81661 16055 56738 81572
18473 44692 47583 41401 14525 69077 93235 11872 05664 29107
41832 = = 396 396 91 91 *three long dashes*

5320 kHz, 25-11, 1800 UTC

197 334 334 30 30 = = = =
60016 65341 94253 56677 56928 76667 91569 40945 05991 47291
54442 93967 69914 32938 38027 47811 87113 18343 11870 34913
81425 63290 22638 54461 64168 06795 15278 42515 14707 11068
= = = = 334 334 30 30 000

M01a, 6766 kHz, 11-11, 1718 UTC

i/p 333 333 15910 15910 (rpt)
404 404 404
111 000

M01a, 6891 kHz, 11-11, 1910 UTC

i/p 333 69479 69479
333 69846 69846 (rpt)
404 404 404
111 000

M01a, 6897 kHz, 15-11, 1809 UTC

i/p 404 404 404 69846 69846 (rpt)
333 68232 68232 (rpt)
404 404 404
111 000

M01a, 4844 kHz, 26-11, 1807 UTC

i/p 876 876 876 333 37430 37430 (rpt)
876 876 876 333 37939 37939 (rpt)
876 876 876 333 35009 35009 (rpt)
876 876 876 000



M03

4505 kHz, 03-11/05-11, 1320 UTC

540/36
30466 77077 23114 59152 98569 46151 26573 44719 12067 86206
33830 37831 12050 43353 42734 28469 44934 74563 18326 01439
00276 80844 38619 48665 80609 35860 78118 90332 72791 52797
96338 57382 41192 29300 04011 08299

4828 kHz, 13-11/16-11, 1320 UTC

434/34 =
14410 60400 45219 98284 81218 74114 93654 54042 10809 97389
83753 44564 45533 08416 93564 79050 40338 31302 45663 01623
88746 27729 09174 79243 47622 81129 56232 35181 22354 93325
82192 97479 60119 58343

13911 kHz, 28-11/30-11, 1420 UTC

874/31 =
89883 91670 14152 31512 48207 78883 06675 23816 00865 27352
97879 96038 02105 87682 08164 74382 94180 06080 79094 30111
03717 81545 89704 86788 76135 18782 73704 64166 92143 94483
00526



M08a

Dirección General de Inteligencia

M08a messed up a couple of transmissions. For all the logs see the Logs Section



M12

Changes to M12 on the week starting October 27th, 2014 submitted by Danix
Monday 1600/20/40 -> 1700/20/40
Monday 1700/20/40 -> 1800/20/40
Monday 1900/20/40 (ID 463) -> 2000/20/40 + Converted to ID 257, still 22 WPM
Tuesday 1830/50/1910 -> 1930/50/2010
Wednesday 1700/20/40 -> 1800/20/40 + Converted from 30 to 22 WPM
Wednesday 1830/50/1910 -> 1930/50/2010
Thursday 1600/20/40 -> 1700/20/40
Thursday 1700/20/40 (ID 257) -> 1800/20/40 + Converted from 30 to 22 WPM

Thursday 1700/20/40 (ID 124) -> 1800/20/40
Thursday 1800/20/40 -> 1900/20/40
Thursday 1900/20/40 (ID 463) -> 2000/20/40 + Converted to ID 257, still 22 WPM

Changes to M12 on the week starting November 3rd, 2014
Monday & Thursday 2000/20/40 (ID 257) - Converted to ID 658, and speed increased from 22 to 25 WPM
ID 658 was active circa 1999. It disappeared again on November 17th, though.

11435/10598/9327 kHz, 03-11, 1700/1720/1740 UTC

938 1 7371 112
25547 09785 71198 95445 42952 94500 31171 05267 00627 35777
04862 57941 37439 20877 37000 86299 54382 50326 20906 28091
66348 40357 68315 43770 82054 09019 73271 43911 37434 78757
18301 68659 38261 55682 71534 20566 85299 02704 62301 14224
02998 82486 52187 75670 89308 70022 25365 51768 02782 37141
94078 33439 43101 20028 68507 04653 36867 72948 31093 46804
16001 77805 65412 86571 39973 56864 16775 33970 29895 64655
47297 40563 45312 27503 27816 79574 60714 73693 22368 31866
49531 18242 64804 27188 65948 16110 37632 57516 34758 78492
96304 62191 29551 89923 92455 05414 44386 63347 53809 20251
42420 82119 11463 53975 20838 47539 76692 04916 20765 46019
87509 63836
000 000

8047/6802/5788 kHz, 03-11, 1800/1820/1840 UTC

463 1 3771 145
44791 02258 39777 25970 36110 25164 25213 10104 75325 24033
09193 55712 38575 46183 88276 31597 11749 80634 87614 61420
09311 16813 14030 52802 44761 23261 30658 86126 43505 65299
33836 26036 91647 31115 03045 95146 02191 178?9 20559 65284
21292 33512 00751 66982 99393 68620 04698 07094 19616 50885
35086 81664 38983 06215 34434 05265 04269 12106 28920 98868
75336 00749 51202 59091 15179 57421 30628 84484 83556 46949
41313 38775 72623 37453 46778 60708 28094 02904 52950 71144
00389 55623 64692 70874 00285 03437 2?614 52601 67388 67551
36158 89081 13176 02857 00726 54941 51654 22555 11618 08881
30986 99850 71855 30581 46537 54441 96242 26761 28908 13058
16764 33379 64577 94472 21990 18159 78724 49242 03907 19395
7?574 54144 67850 38486 95038 07444 03183 30516 45942 49385
60958 45690 04706 55244 31036 82199 00915 00940 43997 05707
64025 57525 74575 22932 67937
000 000

9176/7931/6904 UTC, 03-11, 1900/1920/1940 UTC

257 1 9628 120
61026 51629 90060 23012 28025 87021 36657 52605 52637 81751
57586 37280 36841 97997 16328 29219 42588 90840 08818 16139
25891 13437 49826 79797 76044 74922 17860 90112 44190 95363
59271 03846 52705 62801 87334 77705 03088 89189 36555 59582
93729 42291 65248 88881 30998 03968 80566 88965 84172 40716
75419 43628 78831 28951 67725 70151 70665 34533 70223 08881
69131 40459 53625 64377 80019 79419 71480 75609 90116 35318
44679 79241 19921 41189 18693 76133 10198 15491 63517 14760
32716 33414 36258 78091 12821 39912 44846 11424 11620 79612
80714 49826 81830 51925 58173 76986 16099 12093 98681 85505
38231 93674 45892 16177 35973 19309 80054 28936 33021 20957
55909 93300 15898 05420 53848 27431 28196 40058 90990 01497
000 000

6913/5829/5072 kHz, 03-11, 2000/2020/2040 UTC

658 1 7892 76
09051 03024 44539 95073 26558 49570 16194 00766 34836 40403
22116 72871 30626 97764 55217 76916 81382 76562 08465 68645
45216 66897 40059 22126 31159 10439 01007 18405 58510 79106
03340 76385 24621 41852 43727 56455 13001 18088 82590 38123
35672 44274 05561 80628 43805 19519 89741 77026 61398 50763
14856 60377 16778 29443 77061 44121 15880 81187 20347 35810
16749 54512 99404 89805 17340 60347 94779 68018 84905 97755
07833 56277 56149 26174 02865 46834
000 000

10343 kHz, 04-11, 1930 UTC

124 1 1990 **67** (stops) 124 1 1990 **57** 67198 68721 61259 79915 27252 ... 70944 86521 66627 23492 38612 000 000

10343/9264/8116 UTC, 04-11, 1930/1950/2010 UTC

124 1 1990 67
67198 68721 61259 79915 27252 62645 07310 51268 82830 81786
57117 55105 72110 18451 80700 34716 05377 28665 63198 73014
67735 42289 58131 11001 00748 14361 32592 51009 53784 16275
44418 43716 89060 74965 65466 50677 90033 16482 24232 84985
22643 85764 74898 00351 88683 92698 28234 52526 83665 90080
02870 57595 11547 04594 08262 62486 39231 58842 30158 14947
65931 89690 70944 86521 66627 23492 38612
000 000

The 1930 TX got to the DK and GC, then a 30 second pause, then restart of transmission.

8047/6802/5788 kHz, 05-11, 1800/1820/1840 UTC

463 1 2348 87
86207 97782 59873 90979 61640 19684 06747 23997 92015 58633
93211 51566 20097 72816 02561 14093 21028 37861 08047 90455
07004 35492 74916 08834 38689 40577 47041 95932 21034 66897
63940 84383 09063 04201 85585 77097 55118 77084 03146 91182
39119 42103 13754 70444 59421 86029 68180 54315 80878 59961
87121 19567 26955 97061 81445 03013 41922 42486 23166 87483
66530 84466 82269 16112 65171 84021 46117 68092 43659 67523
62656 12570 52898 27560 87442 27833 68891 45770 38264 81819
13066 14087 20189 74924 70352 47601 86087
000 000

13386/12189/11491 kHz, 06-11, 1700/1720/1740 UTC

725 1 3647 106
02459 15962 77087 07381 20373 00748 14504 10574 97823 57969
83787 45288 28292 78106 42817 92611 12525 27215 76861 73870
43993 62153 89150 88768 05550 00386 56225 24671 59217 43924
25188 29382 13894 44686 11573 87542 41205 73987 78635 61679
34701 48996 57732 60193 52008 53511 53835 69727 32491 39987
73815 78253 06544 45557 12574 76165 35509 49226 00889 38390
21400 69848 34637 65967 03123 99690 56262 00675 05461 57902
61787 42537 37514 14517 83586 17964 58507 92761 54593 87405
64204 37419 80065 36658 00052 24718 59868 74156 77008 70447
50618 53952 86220 18246 41886 52766 63888 18206 56337 62546
37086 67916 68624 25224 18421 06165
000 000

9176/7931/6904 kHz, 06-11, 1800/1820/1840 UTC

257 1 6601 93

34168 68627 88912 46834 90294 42900 88853 17814 01437 28370
03313 35157 12402 71898 97755 67273 36803 03981 07850 90709
22393 08300 70088 72463 33222 98806 48326 16977 10040 89015
98284 46135 26890 85345 70940 36379 70900 00330 71301 34162
47625 66856 82110 32205 62738 61145 30243 27880 91718 23524
03217 31329 10116 97585 92493 30835 33179 43635 57673 70845
77248 85894 57013 79919 73609 96994 73811 91330 35853 92404
25969 94424 05508 27036 14216 51932 56851 59674 78874 16314
34649 77336 31200 41890 08664 06083 31201 56248 43024 09856
35332 44819 23026
000 000

10343/9264/8116 kHz, 06-11, 1800/1820/1840 UTC

124 1 5575 153

49569 41391 60685 89175 89695 42448 97896 55322 81689 22209
94052 50648 58906 15709 72277 31999 08236 87084 72889 59744
19289 79563 72547 46229 54467 49062 18346 49987 24410 00208
74672 27177 13252 59874 92423 54651 84515 66989 20101 72740
40020 90667 08230 87562 14447 10468 37420 17785 02558 49497
88415 20550 38630 15747 90699 68631 ??214 41346 26084 95530
43872 12688 98890 80109 61464 02036 14584 62623 58318 54006
52995 45091 60548 70162 71805 42091 59265 67304 01390 59391
52431 61981 21861 13246 71481 64907 53834 90563 71856 85752
26551 82514 27937 07343 95396 61964 82675 68820 08422 37974
91456 72552 49233 13827 22088 64560 84574 34741 16531 59938
49894 31880 46540 92049 07109 97601 20380 47285 46096 01074
89879 45094 03261 76147 51445 17286 29152 47580 29763 34080
12072 92234 70223 99621 77179 10415 97598 49117 41212 47916
73896 19845 18865 27786 96591 69203 55066 89744 76565 92664
80661 42297 68569
000 000

5429/4629/4029 kHz, 12-11, 2200/2220/2240 UTC

460 1 4895 171

16126 60416 72411 35764 84457 94784 51394 53807 29758 04632
42335 63350 50931 82738 38883 53307 99812 81240 13348 18780
31347 50053 44248 89707 98362 18744 07939 09217 37345 15942
22455 54215 10709 54743 78539 51138 99560 39321 65206 89188
55015 56687 56709 03363 34053 13039 18567 27898 12650 71970
04013 20763 45777 68199 56802 09466 63961 04610 90348 50190
51993 21311 17701 92647 07686 00286 97477 07898 87969 16015
71259 14254 74990 53954 41878 53870 70451 35190 15665 28235
82624 68427 74296 73607 29981 36287 62089 12031 65335 51046
85605 75378 17095 03815 64309 66093 88799 73440 64658 79973
13600 98306 10080 40162 80743 11371 59514 10706 78257 21770
68705 10178 82098 47345 89722 35303 04110 72356 56461 52431
81439 08001 85565 43435 55210 75821 86067 36426 85491 97463
53936 60334 12578 54616 76407 04541 29625 37682 22395 27721
96643 97272 27085 26935 89142 94325 84824 69170 17491 53752
73753 67610 36603 59736 78042 93639 58643 70467 12675 03162
39657 60604 67567 81116 48838 62586 26076 70485 66932 07707
84492
000 000

5829/5072 kHz, 13-11, 2020/2040 UTC

658 1 9765 82 9765 82
97663 11456 02621 23319 77284 04598 38897 48550 44065 91224
46242 04459 59669 86487 84112 74370 72174 41526 65391 02536
11169 35064 26638 07759 45674 99144 20475 80670 24840 11017
71300 618n2 22328 89268 71006 11301 20465 05674 02971 41715
37473 52529 91149 82654 37737 12997 21886 25493 81817 19322
41389 94811 83640 51520 31567 32413 70059 97984 35079 44846
29676 94423 71685 02831 87558 54882 31081 90152 54452 03008
19932 94676 40709 50478 08182 99503 45578 41490 64575 79098
78892 81918 000 000

13386/12189/11491 kHz, 13-11, 1700/1720/1740 UTC

The 1700 UTC transmission was very corrupted:

<http://priyom.org/media/134952/m12-13385usb-20141113-1700z-wtf-bydanix.ogg>

725 1 1611 119
60439 18937 10964 43419 27681 31337 88433 08306 86244 67200
15410 61564 23092 17931 21185 56082 08186 66891 33468 17393
22218 55164 85747 13009 83243 12244 93857 37917 06706 98311
08312 30651 65610 25559 75680 63630 37787 03736 23038 40317
92559 59500 70472 52173 29229 06481 47120 86365 86453 25192
60481 51687 97953 25779 80122 25767 24534 55689 42065 38318
59430 40919 30936 47342 54147 75542 55524 46220 87792 13550
02948 42845 25565 78052 34446 91721 53716 56722 82356 19935
03664 40443 92481 88100 25688 58577 89631 95545 92523 59454
81716 65704 88869 76978 01802 87863 08381 16503 01890 57639
10946 34577 47800 78950 46166 46709 44313 66799 05315 87196
74826 34759 17822 86536 80097 24837 23364 59283 66126
000 000

9176/7931/6904 kHz, 13-11, 1800/1820/1840 UTC

257 1 3071 98
52708 15622 48417 63280 75742 36544 06656 24854 77342 39454
50251 42652 75161 59898 90064 70267 73174 81132 29344 73431
58829 93265 24409 98564 69562 79313 62788 19896 33758 83089
96218 19455 99829 94977 46428 50142 22851 39121 90073 80892
29151 40863 40470 80501 04717 76084 70438 2232? ??968 35271
13696 09947 64813 00017 72548 66255 22160 70058 81844 19789
87467 28915 38665 53294 47880 07227 74069 86206 87191 73972
66851 88744 49491 93737 93999 47506 35257 73443 96334 94592
04896 93851 18966 03796 59589 91032 46700 17831 24492 22422
84560 05750 47737 80029 41797 93114 54862 76488 000 000

10343/9264/8116 kHz, 13-11, 1800/1820/1840 UTC

124 1 8076 143
05278 24238 75141 26025 43755 01673 33012 01699 12469 01866
47519 65320 54667 08159 27673 82834 78060 55713 60158 88233
52941 99654 56277 22351 31181 91927 01883 00548 59173 00661
53694 20269 72799 27707 28229 16167 38556 56655 66072 46918
45596 81497 05932 21105 18664 81379 71347 95055 56846 97187
13451 26879 06228 09354 39230 06034 93818 39665 90055 24230
38312 97870 94279 08883 84700 82585 13?21 95843 65370 55921
02025 72032 18170 44798 05301 25325 40244 66293 51357 68391
13360 33911 82578 25140 33347 33040 75999 99890 07587 91109
32681 23821 13841 55202 22145 07988 11783 58588 35269 49411
07441 05524 41656 56975 99808 92389 07471 36926 71442 40908
81315 59757 67735 41087 43171 51635 10514 28201 82845 10390
91982 65721 14012 48113 66802 06633 27662 48113 41657 06737
22517 24081 93162 16793 92404 35971 22476 60646 93989 22188
19671 5375? 35037 000 000

7637/9137/10237 kHz, 15-11, 0600/0620/0640 UTC

612 1 4895 171

16126 60416 72411 35764 84457 94784 51394 53807 29758 04632
42335 63350 50931 82738 38883 53307 99812 81240 13348 18780
31347 50053 44248 89707 98362 18744 07939 09217 37345 15942
22455 54215 10709 54743 78539 51138 99560 39321 65206 89188
55015 56687 56709 03363 34053 13039 18567 27898 12650 71970
04013 20763 45777 68199 56802 09466 63961 04610 90348 50190
51993 21311 17701 92647 07686 00286 97477 07898 87969 16015
71259 14254 74990 53954 41878 53870 70451 35190 15665 28235
82624 68427 74296 73607 29981 36287 62089 12031 65335 51046
85605 75378 17095 03815 64309 66093 88799 73440 64658 79973
13600 98306 10080 40162 80743 11371 59514 10706 78257 21770
68705 10178 82098 47345 89722 35303 04110 72356 56461 52431
81439 08001 85565 43435 55210 75821 86067 36426 85491 97463
53936 60334 12578 54616 76407 04541 29625 37682 22395 27721
96643 97272 27085 26935 89142 94325 84824 69170 17491 53752
73753 67610 36603 59736 78042 93639 58643 70467 12675 03162
39657 60604 67567 81116 48838 62586 26076 70485 66932 07707
84492 000 000

11435/10598/9327 kHz, 17-11, 1700/1720/1740 UTC

938 1 6267 116

62018 45271 77509 86195 10441 22035 24820 28594 25216 18972
21061 39570 24411 73139 18960 73426 00260 09508 02546 03678
62166 69296 07442 52377 64525 15371 08295 97056 09119 81076
21315 24671 72511 57757 13375 88414 13343 05314 99971 42525
04017 01577 91788 69098 69115 45828 12147 31162 61337 52235
80997 91381 93249 58830 94168 12091 13294 29374 49178 15607
00944 05120 67294 78427 41991 58892 91700 12535 69452 52657
38126 55328 04382 36707 05095 20869 25561 92010 99426 74816
73938 41592 37072 70971 21199 14122 92101 57921 36333 90841
58092 86507 74057 94433 65668 71231 62449 10738 89099 13466
64778 55965 94703 27494 44739 76488 41389 76067 67814 09115
08631 21054 15611 40911 33209 61453
000 000

8047/6802/5788 kHz, 17-11, 1800/1820/1840 UTC

463 1 2322 155

75887 74177 67552 45009 02335 18932 53908 34781 79137 11600
76187 98183 74333 08489 26861 54181 04518 87016 66231 53904
61990 16042 98447 60619 45072 00907 20682 05168 08862 11676
80576 23470 76085 60432 37319 06199 74989 54485 40427 52616
26461 91942 51073 16393 21483 70354 98651 29877 96121 87966
47148 26571 79420 49534 61032 60227 29022 23010 37136 36261
58702 42734 32299 87926 90174 69049 78840 19857 55396 05719
95048 94166 27850 18350 82478 39658 41962 38203 55403 87?25
49454 39849 09605 93081 92171 58919 43231 45286 54180 89240
55591 13539 31156 70064 50092 19456 33747 34210 42590 49312
52693 68319 71841 95911 95720 30182 54971 05605 76283 51942
76373 09247 52085 34442 50062 14779 39791 63409 18415 04826
79806 87471 56911 65059 52128 36121 46283 27636 15965 29094
27546 00605 08007 54289 96294 78017 82080 62501 76908 58224
20914 46307 09266 83390 10051 56587 43004 85542 45023 73499
28135 67375 02771 83363 45568
000 000

8047/6802/5788 kHz, 19-11, 1800/1820/1840 UTC

463 1 9696 92
03906 98390 64541 71916 05573 35588 69503 47106 36133 27936
64832 65104 05368 82788 01807 29321 89190 67590 27350 56836
84253 16376 65455 59567 37779 77348 96398 84383 91094 78002
68941 27525 70181 23628 62978 98634 23030 98040 84456 90077
92619 62797 45005 61110 68917 41419 97582 91079 00201 39935
59998 68535 42777 01531 46888 25711 23365 28966 42392 89029
75185 38330 40363 62993 86032 57443 79513 22382 21711 31795
82720 66414 93710 42151 19418 68530 08458 59825 93196 11084
20287 95260 87879 34947 94454 98219 00210 34157 84544 33144
17525 64024
000 000

15969/17479/18169 kHz, 20-11/23-11, 1010/1030/1050 UTC

941 1 8123 129
41009 12137 55583 65199 73985 12118 17635 40109 23958 89891
23014 18443 33696 84923 64559 67310 85350 67542 37264 63901
27586 12850 99665 28773 11443 12679 24248 28100 83843 83250
95891 74498 56219 35538 72111 48283 25627 48637 66783 35853
98081 66517 04969 31797 30765 45264 89383 29459 77375 28591
62524 82365 11550 32676 07993 89121 69434 16432 46579 12175
94387 93825 18765 51835 87502 96137 05233 43412 76345 28652
24731 22156 67810 12824 58334 41243 99169 06510 73161 80039
01436 22325 85588 13459 84851 49857 64985 32342 42319 86199
08626 21670 70725 00999 15752 84130 56702 25195 67986 53139
22755 30477 26325 51453 04434 37704 10579 51208 49609 17332
38741 34664 29248 19762 35767 44589 22702 31636 09265 02065
69622 93850 77530 81479 23094 29982 92932 92208 48236
000 000

9162/8062/7462 kHz, 20-11/22-11, 1310/1330/1350 UTC

104 1 7848 217
09057 71946 93132 85359 24449 43349 28262 89762 03443 48708
00779 14295 17390 88501 90959 44938 02105 21296 38718 98431
87878 67668 01444 29847 64849 45783 00014 98983 77455 56513
72633 45783 98512 75481 89770 85964 54875 32621 73898 39135
33413 26918 36157 76007 40656 90685 83441 12696 75690 47006
47443 52500 56604 60810 83181 89603 61139 00363 29676 81040
76449 38765 52469 31736 92388 16335 34485 01334 86100 90823
61608 96668 07420 33742 33938 76025 65968 16405 54714 15397
29766 36227 80651 95784 44454 77874 17845 57633 53711 49836
59921 66035 63131 64259 13315 75885 07482 09723 54787 21258
19011 02438 37137 63067 61165 89723 72951 08832 12417 41223
89451 84107 03230 66189 66262 47728 05860 64287 70086 28219
68356 05996 96511 62400 14083 97681 68204 01827 24517 18816
84297 34935 90564 38096 14687 80175 09595 10773 30072 46193
01458 10589 05951 51322 79492 77426 15014 54128 48539 04918
52003 70834 49099 76065 35699 06716 95346 10787 70584 33011
04118 30181 70908 90749 41012 57550 08270 80730 38819 31872
42667 60109 52688 58923 72696 48928 64164 02549 80761 75978
42139 99323 84335 26511 48897 23969 36411 19346 04888 62498
84854 28803 12228 06804 83576 94600 69001 13560 44866 53238
08679 09577 78504 55160 92281 74568 50414 58395 95007 48071
46420 66060 02305 10165 92304 89215 37952
000 000

11435/10598/9327 kHz, 24-11, 1700/1720/1740 UTC

938 1 2319 120

05208 73258 78835 45837 27549 72581 26271 31005 98451 71314
63283 87606 18872 08254 81582 82421 98847 57451 06519 76409
48593 10479 20870 93233 20502 99114 37195 87727 49093 80728
34891 55724 10918 12014 77178 15312 73026 11359 96486 37166
11051 39081 36896 07909 77924 12561 60069 0771? 70761 29910
98688 35898 84115 28796 96008 64518 78545 40572 83911 66767
22615 27599 27656 66155 38613 46875 88848 84632 42011 47127
64943 72338 78868 79983 45371 68168 29406 59820 89594 85083
01622 73428 15181 83279 81001 58350 79957 76273 48055 02594
69390 75973 28935 29563 33362 83062 80999 88170 26054 08365
61457 16291 39509 60109 20814 75985 53232 01953 30761 85742
78557 67727 99896 67448 80231 77289 08636 08905 68600 13176
000 000

8047/6802/5788 UTC, 24-11, 1800/1820/1840 UTC

463 1 3026 149

27012 06986 81177 28134 35147 50055 61244 25542 08063 75432
?9588 21399 35163 06304 82461 60022 05512 39526 140?4 09464
57100 40178 52850 77256 24799 5??29 53325 78756 47934 75279
00091 761?0 5?863 90833 51046 76154 42179 77949 23273 14920
92473 87939 27712 70395 85828 53811 21951 54651 64036 51981
65782 68795 92392 93556 41972 02800 38021 90386 36359 71742
11442 44724 26372 00119 99017 56729 11811 04369 00069 28440
87302 71638 19591 71627 53520 16021 71903 46970 85187 59025
22587 42009 89291 07281 18748 05857 82851 12576 56097 00471
01217 05747 49897 73459 50019 72987 64287 63357 34862 30997
08849 01352 16191 07199 87185 75085 77273 93681 72231 80462
23916 58467 23446 16580 86986 79090 51876 76801 75747 45799
36136 57244 11466 00388 01018 45138 71459 41708 99723 19366
13196 54832 45538 58022 63034 37123 12627 07706 30512 01962
12034 37229 46258 25839 78669 82289 53415 74330 19952
000 000

5429/4629/4029 kHz, 26-11, 2200/2220/2240 UTC-

460 1 5697 57

21350 51442 40806 97226 87735 13442 01311 01210 15238 85765
49915 92727 50684 97473 47673 20456 59145 60513 36569 77077
33426 85072 11489 60773 38115 26074 31024 01228 16496 33046
16183 63897 60573 32056 635?? 00879 30268 13749 13455 37364
23649 92646 81025 93956 93927 65659 98729 37701 54863 51009
07783 32950 83992 46488 91259 90228 01303
000 000



M14

5430 kHz, 01-11/08-11/15-11/22-11/29-11, 0800 UTC

5560 kHz, 01-11/08-11/15-11/22-11/29-11, 0900 UTC

171 823 020

35091 47919 71061 47137 49053 91535 76828 32502 58546 23102
10871 68236 75764 90152 17615 80721 38962 04169 25634 95438
823 020 000009 (!)

The ending can be heard here at 833

<http://priyom.org/media/134647/m14-5430usb-20141108-0800z-msg-bydanix.ogg>

4636 kHz, 11-11, 1820 UTC

186 (R) 275 275 020 020

51059 51059 23438 23438 76167 76167 25680 25680 94045 94045
26295 26295 92184 92184 44625 44625 57552 57552 67851 67851
95578 95578 17869 17869 75794 75794 68461 68461 80694 80694
32456 32456 21369 21369 84274 84274 96823 96823 17105 17105
275 275 020 020 00000

4761 kHz, 12-11/26-11, 1920 UTC

748 621 020

44108 38962 04169 25742 58457 96892 92665 91221 97442 52207
69143 30172 87088 13167 83155 41364 18451 28305 68131 82828
621 020 00000



M21 + variants
Russian Air Defence Forces
Бойска ПВО Voyska PVO

3572 kHz, 21-11, 2155 UTC, i.p.

974 89965856 54

190 97 48

975 09960876 56

00 974 999.08199 100 23 56

511 800



M24

M24 ID 381 was neither heard nor found this month. Formerly 1st and 3rd Monday 2000/2030.

8166/6792 kHz, 17-11, 1800/1830 UTC

262 758 758 106 106 = =

63290 19750 74031 79597 74446 89846 28029 26833 95201 08210
51278 92702 35073 72201 54479 25217 81651 32454 29153 48754
65689 62033 12187 80531 12212 55772 01254 01474 63610 89466
69556 23662 85639 93630 53320 21555 92268 21476 10476 19166
50309 15828 73978 50378 49773 04653 48185 34608 50888 79882
21737 34968 43710 39234 95391 91151 81270 95693 48222 44207
72198 84375 90641 95389 43753 21428 77676 66292 11198 94671
80933 52429 14469 90675 42697 87454 08058 87931 60586 60233
15063 70845 76227 51910 81327 44202 66356 85202 90624 52815
59805 03077 26807 36040 28806 19013 93867 71829 28046 06035
29854 90038 79917 16700 75557 59646

= = 758 758 106 106 00000

13945/11073/12207/9946 kHz, 19-11, 1300/1330/1400/1430 UTC

215 874 874 91 91 = =

81181 74906 24051 79531 66608 79669 04976 14529 17584 35090
 87817 72589 02827 14423 42174 93281 53064 10737 05528 99725
 37492 12953 12208 87189 25486 08163 73714 68415 32008 02392
 51315 80379 70134 77022 06870 82161 59159 23035 42813 98611
 61700 20276 67240 89516 48234 53930 45022 48925 12530 85391
 20893 64356 86383 19710 25451 90537 27114 36814 00009 17403
 76247 78684 01223 36996 12830 09675 71447 39001 49814 92167
 85755 79570 46935 44746 11546 73137 38543 75072 41693 01909
 99805 04662 87171 22717 99729 27741 57684 93785 92031 48572
 57683 = = 874 874 91 91 00000

13945/11073/12207/9946 kHz, 26-11, 1300/1330/1400/1430 UTC

215 930 930 86 86 = =

07340 64322 35167 09907 65402 72972 91869 69564 88847 38160
 68461 59995 49349 37374 22974 99254 51703 42227 26619 84206
 59211 39123 35908 94840 34006 24640 38297 66263 15757 92803
 57038 58053 87190 56442 28060 75663 99868 69816 79147 23567
 58648 44697 81804 94824 88283 77095 52292 26768 30586 26820
 18443 77483 45588 17059 86307 02782 15153 46164 67831 38347
 72458 28830 55508 16744 05801 08858 54946 73985 10151 10689
 11269 25325 84903 21891 90319 14987 01250 23792 00574 69502
 87625 12448 66716 09351 06654 77126
 = = 930 930 86 86 00000



M89

Chinese military

Roundslips and callsigns

V A7TR A7TR A7TR DE DI9Q DI9Q
 V 5RAB 5RAB 5RAB DE M9AB M9AB
 V 7NPE 7NPE 7NPE DE QV5B QV5B
 V 6TRW 6TRW 6TRW DE J9NS J9NS
 V 7NPE 7NPE 7NPE DE QV5R QV5R (faulty transmission)
 V 8CPZ 8CPZ 8CPZ DE XW6W XW6W
 V 8DKB 8DKB 8DKB DE ODY8 ODY8
 V 8PEX 8PEX 8PEX DE TI5F TI5F
 V BNGC BNGC BNGC DE XSV85 XSV85
 V BIQ9 BIQ9 BIQ9 DE ISL2 ISL2
 V BRH0 BRH0 BRH0 DE 8NGG 8NGG
 V B9SR B9SR B9SR DE AL6R AL6R
 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 PGG9 PGG9 PGG9 DE MI6Y MI6Y
 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 TY9D TY9D TY9D DE EOX2 EPX2
 V VTX7 VTX7 VTX7 DE TZ7B TZ7B
 V VXL1 VXL1 VXL1 DE XIW2 XIW2
 V WZG6 WZG6 WZG6 DE 4VTG 4VTG
 V YUQW YUQW YUQW DE ASDF ASDF
 V ZRM7 ZRM7 ZRM7 DE LCM0 LCM0
 V N4FM5 N4FM5 N4FM5 DE DUT491 DUT491
 V Q5U8 Q5U8 Q5U8 DE 8QPP 8QPP
 V QHV8 QHV8 QHV8 de 8QPP 8QPP
 VVV Q2M Q2M Q2M DE NYZ NYZ

DP7791
 F1VV
 VCDF DE DFDH
 40UY DE 4ISS
 40UY DE CJOS
 40UY DE CJOQ
 40UY DE CS8Z
 40UY DE CWOS
 40UY DE DP00
 9KM7 DE DP00
 B4QR DE DP00
 DJR2 DE DP00
 DM04 DE DP00
 F2NT DE DP00
 J3VW DE DP00
 DJP8 DE DJN4
 JT4 DE F4MR

Note: RIS9 is active on 3777, 4532, 6793 and 8060 kHz on both daytime and night time frequencies at the same time!

A note from our #1 M89 monitor, JPL:

DP91 was up for his usual 0200 sked (8470 // 6575) on 24-11. Came up 1st of 8470, after which I switched to 6575 for the // freq. I listen for a while and after hearing nothing, switched back to 8470. To my surprise, 8470 had not one but two DP91 R/S playing. So the // freq for 8470 was 8470!!! The recording is on the N&O website.

Messages:

6674 kHz, 02-11, 1958 UTC

i.p. UTTU T5UA U745 A5D4 UTTN T4D3 A4NT (Cont'd) AR K
R 14W BT ..57 AR K
R 39W BT BT U4N5 AR K (Cont'd repeat groups)
OK OK USB USB K

4132 kHz, 03-11, 1701 UTC

GB GB
DE N AR
RKRK RK RK
DX7791 QSA 2 U? (Probably DP7791)
DP7791 DP7791 AS A2 NIL (Both stations on this frequency)
NIL SK SK GB GB
R K R K RK RK RN (Note: New frequency for DP91 Family)

7825 kHz, 03-11, 0232 UTC

75UN 3T6A 4DN3 5DA6 UT47 6NA7 (Cont'd)
III III 7NU4 DT3? DT5A 6A4D 37A5 (Cont'd)

8888 kHz, 04-11, 0227 UTC

CQ CQ CQ DE VVVV
CQ CQ CQ DE F1VV F1VV F1VV F1VV
VVV F11E 1VV F1VV VVVV
CQ CQ CQ DE F1VV F1VV F1VV
05 05 05 05 05 05 05 05 05 05
ZAA7DV UD.. TDA .. 3N7T
ZAA 63N7 A.EEEE
05 05 05 05 (Cont'd)
= = = = = .76777.NR 1W = =
34657.. 63 (Fading badly)

5380 kHz, 06-11, 1402 UTC

DA75 T5D4 A374 5457 (Cont'd)
III 3P = = =
TA73 UNT5 T57U DUNT (Cont'd)

8055 kHz, 06-11, 0902 UTC

3UAT TA5D D7N6 3UA5 D6T5 73NN ND7N (Cont'd)
AR I K
R E R R QSL 1704 K K
R NU. RUUSB KPT K
OK R SK SK

8193 kHz, 06-11, 0842 UTC

HR PKNR 27 K
UNR GA K
R U WK NR 0AEEEE U AS
R U WK NR GA K R
U NOT E 6743 K
R U NO EEEEE A5 R U NW COMM 6743 K
R U NW COMM 6743 K
R U CW EEEEE
R U NOT EKP HR K
VV HLV5 HLV5 DE C03X C03X K (C zero 3X)
VV HLV5 HLV5 DE C03X
VV J24X J2VX DE C03X C03X K
R QSA 2 HR WK NR 27 K
NO C04 E E T
R U NW COMM 6796 K
R U NOT EKP HR K
VV B8UW B8UW DE C03X C03X K
R QSA 2 HR WK NR 27 K
R U WK NR GA K
R U NOT EKP HR K

6666 kHz, 03-11, 1410 UTC

NR 12DNA AGN
F NR 126NE 22 EZ (Letter F sent almost like a barred E letter) F NR 1
AGN F NR 12/EX 23 40 RMKS 0835 0.1.6 TO =
AC45 7DNX EFL9 AR K
II F NR 12/EX 22. AGN =
AGN F NR 12/EX 2 E AGN
F NR 12/EX 23 40 RMKS 0835 6 AGN
F NR F F NR 12/EX 23 AGN
F F NR 12/EX 23 40 NMKS 90 AGN
F F NR = = MSG MSG MSG
NR C AGN 7G NR CX AGN MSG NR 03/CM AGN
MSG NR 03/CCK CK 55 27 1103 AGN AGN 7G NNN = 6 AGN
7G NR 03/CCK AGN AGN MSG
NR 03/CCK 0
FF FF NE FF NR FF NR 12/EX 23 40 RMKS 0835 TO 8146 K
= TU.
FF NR 12/EX 23 40
FF FF FF FF FF NR 12/E AGN
FF FF NR 12/EX 23 40 RMKS AGN
FF NR 12/A FF NR 12/T (This operator needs more practice...)
FF NR 12/EX 23 40 RMKS
FF NR 12/EX 22 40 RMKS 0835 TS AGN
FF FF FF NR 12/EX 23 40 RMKS 08 AGN
FF F NR 12/T A AGN FF NR 12/EX 23 40 RN AGN AGN
FF NR 12/EX 22 AGN FF NR
MSBO 4 MSB8 EE
MSB8 12 F AGN
1U ? 1220 ? 1W ? 11
341. 6914 2? 2379 4813 5.? 5926 8.13 4132 (Cont'd)

4444 kHz, 06-11, 0929 UTC

05 05 05
U MSG GA K (Different station)
VV 7G GA GA GA
NR 0002 CK 25 22.. 0 (2 Stations sending at same time)
A745 6NTU A45D 7AD3 TA57 (Cont'd)
= = .T6U U45N N43D 7D6N U36T (Cont'd)
05 05 05
= AU34 576D NTA
AS AS 3
R R U 7G GA K
NR 0015 CK 499 24 1106 .1700 RMKS 1.1234 TO 567N EEE = =
D43A N76D 7NNA T456 UD.. (Cont'd)

4444 kHz, 06-11, 1631 UTC

66N3 NAU6 ...4 65.. T? (Cont'd) K
R RPT 85 W AGN RPT 85W
R GA K

5145 kHz, 06-11, 1336 UTC

5N3A 5DT6 TUAN TTA6 K
R GA K (Both stations on this frequency)
R 1W EEEEEEE 11W GA = =
D774 3UUT (Cont'd)

3642/7602 kHz, 07-11, 1604 UTC

367U T46N 43UT U67D (Cont'd)
III = A73T U3? U3NA DATN D3A4 DUA? DU6N DA45 (Cont'd)

6575//8470 kHz, 07/11, 0959 UTC

CQ (x3) DE DP91 (x2) V
K
HR HR NIL SK GB HR NIL SK GB HR NIL SK
GB HR NIL SK GB HR NIL SK GB HR NIL SK GB HR NIL SK GB

5588 kHz, 07-11, 1030 UTC

5633 6T4U ADT7 7AU5 N55T 6TT7 (Cont'd)
III 76DT UAU4 D347 563A 67U7 46UT 5647 (Cont'd)
III = A336 4AT4 3T64 U7UA 5A7T NAU7 54AD (Cont'd)
(Stopped at 1042z)
MSG NR 027 CK 301 44 1107 1830 =
U5D3 5U7T A6U7 46DU UT57 56AU T4NT 6DTT7 TTT6 N54D 35A4 (Cont'd)
III 76DT UAU4 D347 563A (Cont'd, repeating previous message)
III A336 (Cont'd)

4247 kHz, 07-11, 1624 UTC

AR K
R = N7U4 N7U4 K
R = ... DT.. K (Signal fading badly and very noisy)
R = UTDT UTDT K
R AGN K
R = D74U D74U K R SK

8888 kHz, 07-11, 1350 UTC

5N.T UA4 U4.3 364.
NR .16 CK .. 45 1 08 .. =
.... AR AR (1352z)
MSG NR ... (unreadable)

5220 kHz, 10-11, 1719 UTC

6D4N A7AU 4NTA 6T73 35T5? 35T5 ? 35T3 U75T 6NDT (Cont'd)
III = = UAAT N6UA 67NU 56AN 3N4U 766T (Cont'd) AR

5390 kHz, 10-11, 1705 UTC

D3UA D63A 4TA3 3DNU T53T NDAD (Cont'd)
III = A47T 7456 3FM ? 3D5N DT3U A? 46N4 UT36 NUDA (Cont'd)
AR QSL ? K
R RPT PBL K (Both stations on this frequency) R RPT PBL
MSG NR 042 CK 111 77 1111 0100 RMKS 2450 TO 2450 / 2875 K
R RPT 22W K. R RPT 22W K
R QRJ U QSY NR 73 K. HR QRJ U QSY NR 73 K.
R HR QRJ U QSY NR 73 K. R HR QRJ U QSY NR 73 K
R R K
VV VCDF DE DFDH K. VV VCDF DE DFDH K. VV VCDF DE DFDH K
R QSA 2 K. R QSL ? K. R U QSL F EEEEE R U QSL ? K. R U QSL ? K
R U MSG GA K

6575//8470 kHz, 10-11, 1000 UTC

CQ (x3) DE DP91 (x2) V
E PSE F YYE F LL TO HR PSE F YYE F LL PSE F PSE F YY F LL TO HR (x4)

3330 kHz, 11-11, 1251 UTC

NT67 57N4 T4AD UNT6 34U4 (Cont'd)
III = 643T 6U34 D6UN 5U4T (Cont'd)
III = A33T NDA5 6374 N37U (Cont'd)
III 4U6T

4416 kHz, 11-11, 2130 UTC

= = = 73AT 73AT UT56 UT56
R RPT
E = = 5.N4 56N4
= = UD45 7AT7
R RPT R RPT
E = = = UD45 7AT7 T35N
R R MSK MISK

5177 kHz, 11-11, 1112 UTC

4674 5T46 II 55? 55UD AA63 6N3T (Cont'd)
AR QSL ? HR WK NR 00330 VV

5380 kHz, 11-11, 0306 UTC

AGN NHR WK NR 31 K
R U 1200 COMM F EEEEE R S EEEE R U EEEEE R U 1200 COMM F2NT K
R HR KPU K R
VV DJR2 DE DP00 K (DP Zero Zero)
R 40UY DE CS8Z R QSA 2 QSA ? K
N QSA 2 K R
R HR WK S 26 K. R HR WK NR 13 K
AGN R HR WK NR 13 K
R U 1200 COMM F2NT K
AGN R U EEE R U 8 EEEE R U 1200 COMM M8J0 WK
R RHR KPU K R
VV DPEEEEE VV D1EEEE VV DJ.2 DE DP00 K
R 40AEEEE R 40UO DE .S8Z R QSA 2 QSA ? K
R QSA 2 K
R R WK NR 26 K. R HR WK NR 13 K
AGN R HR WK NR 13 K
AGN R HR WK NR 13 K
AGN R HR WK NR 13 K
R U 1200 COMM B4QR K
R HR WK U . AGN AGN
R VV B4QR DE DP00 K
DE .U4 R QSA 2 QSA ? K
R HR WK NR 26 K
R HR WK NR 1. K
AGN R HR WK NR 16 K
R U 1200 COMM DJR2 K
R K
VV 1N EEEE R U 1200 CONM DJRA EEEEE R U 1200 COMM DJR2 K
NO K
R HR WK EEEEEEE R HR WK
NO
VV 9KM7 DE DP00 K
R 40UY DE 4ISS R QSA 2 QSA ? K
R QSA 2 K
R R HR WK NR 26 K. R HR WK NR 26 K
AGN R HR WK NR 26 K
AGN R HR WK NR 26 K
R U 1200 COMM J3VW K
R R HR W. U K. R R HR KPU K
VV J3VW DE DP00 K. VV J3VW DE DP00 K
R 40.. DE ...Z R QSA ... QSA ? K
VV DE EEEEE VV DM04 DE DP00 K
E 40UY DE CJOQ R QSA 3 QSA EEEEE
40UY DE CJOQ R QSA 2 QSA ? K
R QSA 2 R R QSA 2 K R
R HR A EEEE R HR WK NR 26 K. R HR WK NR 18 K
R U 1200 COMM CM.W K. R R HR KPU K R
VV C..W DE DP00 K
40UY DE R QSA 2 QSA ? K
R QSA 2 K
R HR WK NR 2. K. HR WK NR 16 K
R U 1200 COMM DM.. R U 1200 COMM DW04 K
NO K
EEEE R HR D EEEEE
R HR KPU K
NO K
VV F2N8 EEEEEEE VV 40UY DE DP00 K
VV 40UY DE CW0S K EEEEE VV 40UY DE CJOS K
R F2NT DE DP00 R QSA 1 R QSA ? K
R QSA 2 K
R F HR WK NR 05 K
R U 1200 COMM .800 W
R HR KPU K
R R AS
.... DE DP00 K
R QSA 1 K
R R HR WK NR 26 K. R HR WK NR 15 K
AGN R HW NR 15 K
R U 1200 COMM OKMZ K
R R HR KPU K
R

5225 kHz, 11-11, 1125 UTC

99 23 1111 1200 RMKS CQ =
AR K
HR MSG GA
NR 23/CCK CK 99 23 1111 1200 RMKS CQ =
AR K (1125z - Silent)

5801//10180 kHz, 11-11, 0235 UTC

04 6384 6578 6574 =
= A575 UA ? 35A3 NAD5 UA74 UNDS? UNDT 4356 UDDN 3437 U463 U3D3
(Cont'd)
III = 7AA6 3? 34TN 47NT 3UU4 T556 TND4 T37A (Cont'd)
.... = COMM/1100/LZ492A4NN 6307/6524 AR AGN
COMM/1100/EEEE = COMM/1100/LZ492/6307/6524 AR QSL ? HR WK NR 29
VV HR 7G GA VV HR 7G 2P 69 WZA =
N37T T6A7 U3A4 T45N (Cont'd) QSL
AR
QSL ? HR WK NR 100

10191 kHz, 11-11, 0246 UTC

B9SR (x3) DE AL6R (x2) K. B9SR (x3) DE AL6R (x2) QSA NO QSY 69462 69462 K

6988 kHz, 12-11, 1013 UTC

D7ND T5N7 D7AT (Cont'd)
III = = .77. 6A4D 56T4 (Cont'd)
AR K
11W = = ..T375 AR K
12W = = D6D4 D6D4 AR K
17W = = 6UU3 .UU3 AR K
18W = = .DUN 4DUN AR K (Cont'd repeat groups)
RPT
RRR RRR MSG NR 46 CK 121 25 1112 1630 RMKS 2375 TO 2545 K K =
RRR = = =
3567 T3TD DA. 7467 A3TA ANUA 3T5U T4A6 TTTAT 3753 35AN (Cont'd)

3781 kHz, 13-11, 1100 UTC

TNU6 DU5N 6UTA N5.3 6UN4 (Cont'd)
73W K (Other station also on this frequency)
R 73W 57AN (Cont'd)
AR
QSL DG. 1900 K
R R AS AS
7G GA
7G ZT K
ZT ZT 7G ZT ZT NR 0257 CK 80 24 1113 1840 = =
46U3 NA4T 54AU 7NU3 ? 3D4N T3UD U7N3 37U6 D4A3 TNAD 7DN4 (Cont'd)
III
R
LWSB 1A (1113z - Silent)

4625 kHz, 13-11, 1544 UTC

3NUU T766 45NT TTD4 (Cont'd)
AR K
V GJ..
1P 2.W W = = 3T17 3T.7 4.. ... K
1P .7W = (Cont'd to repeat groups)
R R VV 3P NW K
R R RPD4 K
R R Z.1.. (Very noisy now - hard to copy)
R R VV A 2Q5T
VV A ..5T W2 QS 36W = = N77. N777 K
R A..
VV RPT K
36W = = T564 T564 K
R R VVV G1GW K GA 120 MGA K
GA K

5197 kHz, 13-1, 1120 UTC

AT57 A6D7 NN34 DADU A75D 47N4 (Cont'd)
III III = = 556N AD6T UU66 (Cont'd)
III III = = 6A7U (Cont'd)
III III III III
E = = 3A3A 6D66 7U35 4N45 (Cont'd)
= = FM = III III = = 35UA 6AUN TD3U 44D4 TN47 (Cont'd)
III III = = 5N5T NT57 4U55 NU53 (Cont'd)
III III III (1140z - Silent)

5555 kHz, 13-11, 1612 UTC

= = T = = = = T = = = = = T
T = = = 76 = = = 6665 6656 5.7665656DNAR N
= = = = = 66 = = = = 6 = EEE
= = = = = = = = 6565675D65M 6E. 657DN AR K
EEEE (1616z - Silent)

5562 kHz, 13-11, 1600 UTC

73A4 N4AN 543D 4U53 UU5N 6U63 (Cont'd)
05 (Cont'd - Long Zero)
E E T 3P 5 E 3P = = = = = NDT = =
37N TT34 4D6G END (1609
7NI45 EEEE 5T373A4 N4AN EEEE
43D4 U53U U5N 6U63NDNU 3T5N
05 05 05 05 05 (1609z - Silent)

5700 kHz, 13-11, 1149 UTC

U3D5 T43N 4U35 U7A4 5N6D (Cont'd)
AR K
R RPT 11W K (Both stations on this frequency)
R RPT 11W = 5636 AR K
QSL 1950 K
NHR MEEEE HR WK NR 97 EEEEE
R HR WK NR 96 K
OK HR WK NR 22 K
R OK
NIL SK
R NIL SK GB
R G

4243 kHz, 14-11, 1205 UTC

3UN3 5437 3N3D (Cont'd)
AR
7G..
8CB EEEE NR 2E EEEEE
NU5I NR 28 CK EEEEE
NR 28 CK 1055 35 1114 1.17 =
...3. 3A47 7U 335AN36 ? N3D3 ? 3433 ? 34.. U.54 4K33 6N3D 4TN4 4T? 4454
4I 34.. D4D3 3DA5 ... 3533 4AN3 US7. 4TA4 ... 33.N3 (Cont'd)

4631 kHz, 14-11, 1213 UTC

/EX .1.3 RMKS 194. TO 1757 K K
= = 7CJO/0. FX K K
QS EEEE QSA ? EEEE QSA EEEEE AS AS
AGN
UU UF GA K
R NR
(1215z - Other station also on this frequency, but mostly unreadable due to
carrier on frequency)
R = =
OK QSL 2016 K K
HR 7G GA K
7G NR NR 7356 CK 49 33 1114 2.00 RMKS 1945 TO 1757 K K
EEEEEE T7G RNR 7356 CK 49 33 1114 2000 RMKS 1945 TO 1757 K K
= =
.37A ..3U 5AU7 .. (Cont'd)

5588 kHz, 15-11, 1110 UTC

VVV FF CQ 63 RMKS 2867-00619745374767/6487 UGT COMM =
67197/2030/610NR/2867 AR =
67197/2030/610NR/2867 AR

5685 kHz, 15-11, 1127 UTC

3TUD T46N UA63 67.U 4ND5 D5TN (Cont'd)
III 55 55 GB GB GB GB
HDHR HR IS DL 7G N.. NR 06I
OK OLD OPR MEHOW PBL GBL PBL RMKS FM = GB GA
NR TN GTN T. TIG DAN ZD QS TO U UBW..
HR WK NR IS, 550PSE AS K U R.E OPSE A. U OLD .DWK NR IZ PPSE AS K U IS OT
ZPSE AS K FIS Q200, HD ? (This operator likes to chat)
RPSE AK. HR QSA DW?
7G TO U V ? 7G TO U.
OBS TO U PSE UY GD.W?
= N456 43A6 4D7A TAU3 N5T4 TU7N 67DA (Cont'd)
PSE AS ... PSE U R OK SWB
BT D456 43A6 4D7A (Cont'd)
III = SOUAWGELVI Q.Z = .TBCHN KAPF WJKI .. ? TY EQP NEA ? PNEG HR .. MU X
DV..A OLFH SJY .NT MCZA ? A.E K QNG DD TWEE ? BTWI U R QHX K.. (Appears
to be 5 letter code now)
ZOPTDLFBAIS OP Y.QGU DE J..EWKRFTMFE . MX 4 NL.

4606 kHz, 17-11, 1313 UTC

RHRWKNR EEEEE
R HR WK NR 17 K
R U 22.0 COMM NJP8 K
R R HR KPUK R
VV DJP8 DE DJN4 K
JT4 DE F4MR QSA 2 QSA ? K
R QSA 2 K
NR HR WK NR 26 K
R HR WK NR 19 K
R HEEEE R U R EEEEE
R U 2200 COMM N... KEEEE
R U 2200 COMM MNEEEEE
R U 2200 COMM GK3EEEE
R U 1EEEE
R U 2200 COMM K

4416 kHz, 18-11, 2026 UTC

NA53 ADN6 6A6T 64AN (Cont'd)
AR K
= = D5A6 D.A6 D5A6 (Cont'd repeat groups)
ZSK (2032z - Silent)

5246 kHz, 18-11, 2249 UTC

AAU4 T6TN U66T UNDT 5DN4 NU4D AR K
RPT K
R = = TTT4 ND6A AR K
R R = = DD5T DD5T AR K
R = = NU4D NU4D AR K
R R K K R K
AR EEEEE R GA
MSG NR 109 CK 91 68 1119 0652 RMKS 9.90 TO 9080 K
R GA =
N3NA ..D6 TTT67 334. 5UA5 3UT3 N3.7 (Cont'd)
AR K
R = TNA.... AR TNAA ADN3 DAD3 AR K
R = 5UA5 5UA5 K (Cont'd repeat groups)
R OK
(2258z switched to voice)

3777//4532 kHz, 24-11, 1125 UTC

35/.010/11/.4/1955/008/./1/68 AR
UGT COMM = 731/2435/2010/11/23/1955/008/A/01/68 AR

3330 kHz, 22-11, 1623 UTC

i.p. T63N 6N56 DNT3 6UAT 6A57 (Cont'd)
FM 4UNU DU76 N7NT UA76 6A5A (Cont'd)
III = 4U6T (Return to roundslip)
Message with same last group sent on 11 Nov 14

5837 kHz, 22-11, 1019 UTC

46UU DTTA T3A5 ATA7 (Cont'd)
III NR 369 = =
3N.3 .U... (Cont'd)
NR NR 43.7 NR 4387 W .. NR 36. NR 345 = =
3634 5..6 TA6T TTT ANTA 77AN D AR
NR .71 = =
36T6 A3T5.F. 2W W2 .

6666 kHz, 22-11, 1603 UTC, i.p.

05 05 05 05 05 (Cont'd)
V V BNGC BNGC DE XSV85 NI
VV = 7U6T 409576N8 U234. 395T 716 295230 D.845 1./63981748299 7.3N
T7.385 T726042.03609739451754 59.13257018. 5? 8. AR
952A 4639 .DA7
V BNGC BNGC BNGC DE XSV85
VBNGC BNGC BNGC DE XSV85
V BNGC BNGC DE T HIII EE HR 7G GA PET PSE PE PSE CY
NR 09F
NR 5E T E HR 7G N HR MSG S GA
NR 09.30 TE 112335 N TE
NR E SB NR 110 HR 7HR 7G GA PSE CY
NR 09.3 CK 14S EEEE MSG SGA
SB HR 7G S GA
NR
HR 7G GA
NR 0930 CK 143 22 22 1611 = K = = =
TUU3 U63A N3U7 TAU7 73TA 777T ATI7 74 3DTT T4DT (Cont'd)
VV BNG

3461 kHz, 23-11, 1521 UTC

05 05 05 (Cont'd)
RZ3Y ... 6SW QSA 2 QSA ? K
R NIL SK (Other station also on this frequency)
05 (Cont'd)
IQT7 QTZCG0SSGX74OPT.. QILBEEEE W EEEE
B.V8 PX7I. LEN..EEEE
N4AK WOYWW K EEEE X90M.... 90M... EEEEE
BBDE 3BHL017 EEEE QE8 EEEE Q...
QA3A BKUBC EEEE GLK. RN EEEEE
RWN9 BHU3 OHE7 M EEEE BSWNOCT EEEE O

3642 kHz, 23-11, 1546 UTC

NR 344 2330 RMKS 63.4 TO 6664/6354 =
CQ RW 63 54 QRW L18666401.0.OMM 70EEEE
= V CQ RW 63 EEEEEBT
V CQW 6354 QRW L1866640100 COMM 8034 AR
QSL ? K HR WK NR 33

5823 kHz, 24-11, 1032 UTC

N5A7 DNAT U345 67DN A453 U67T TDN7 (Cont'd)
AR T
K
N K
PT . EEEE R RPT 9W TO 11W K (Other station also on this frequency)
R RPT 9W TO 11W = 34D5 67NT 4
R RPT 9W TO 11W = 34D5 67NT 3AU4 AR K
R QSL 1828 K
R HR WK NR 19 K
R HR WK NR ON K
R SK SK

8470 kHz, 24-11, 0159 UTC

FM NIL SK GB
SFM M E
E CQ CQ CQ CQ DE TN
CQ CQ CQ DE TN
CQ CQ CQ DE TN
A CQ DP91 V
CQ CQ CQ DE DP91 DP91 V
(Monitored 6575, but not heard. When returned to 8470 found // was 8470!!!
- Yes - two DP91 round slips out of sync on 8470)
E NIL SK NB (x3) NIL SK GB (x3)

3748 kHz, 25-11, 1450 UTC

T3DT NN4A A7TU NDA7 D6A3 A676 7D55 7734 (Cont'd)
AR K
R RPT 74W = D3TD D3TD AR (Cont'd repeat groups)
R R (1455z - Silent)

5561 kHz, 25-11, 1051 UTC

7 19 65N RMKS 6719 TO 6872 65 RMKS 6819 TO 687U K
GA
IRMSEEEEE XEEEE I EE T =
57ND A3U4 4AU6 7A6T 57NT 7A6D D7A6A 43U6 576A (Cont'd)
AR K
N QSL ? K
N QSL 025EEEE N QSL 0210 K
N HR WK NR 07 K
WK NR 05 K
NIL SK
N NIL SK (1056z - Silent)

8086 kHz, 25-11, 1036 UTC

GGA K K
R 1W = = (1037z)
NAT4 D4A7 3AU4 7A65 U5T7 NT67 5AUN 4NA6 DTAN AT47 (Cont'd)
AR
QSL 1838 AR K
R PT 18W = = UDAN AR K
R 018W (Cont'd repeat groups)
QSL 1840 K
R U 7G GA K
NR 7G NR 1125/CCK CK 19 44 .125 1840 NMKS .053 TO 4043 AR K K
R R GA K
7G 1W = =
NAT. D4A7 3AU4 7A65 U5T7 NT67 5AUN UN? UDAN DTAN AT47... AR (Appears to be repeating previously sent message)
R QSL 1843 K
HR WK NR 1018 K
HR WK NR 1.52 AR K K
NR HR WK NR 1552 AR K K
R NIL SK GB
R NIL SK GB (1044z - Silent)

3330 kHz, 27-11, 1111 UTC

4DT6 AUT4 UND4 364U D57T (Cont'd)
III = 4U6T
MSG NR 107 CK 301 44 1127 1900 =
TU64 35N3 7T4A U... 4354 AT.N .3AT T..A TTT44 TTTA 3UTA (Cont'd)
III =4 U6T (Appears to be repeat of previously sent message)

3758 kHz, 27-11, 1251 UTC

TUN4 75N6 AU6T AA56 (Cont'd)
AR
DP EEE A RPT K
RPT K
37W = = DNAA DNAA AR K (Cont'd repeat groups)
OK

8073 kHz, 27-11, 1140 UTC

BNGC (x3) DE XSV85 (x2) (Cont'd)
HR MSG . GA PSE E CY NR 0942 CK 227 2 EEEE
NR 0942 CK 227 35 1127 1600 =
==
TU73 U63A N3U7 TAU7 73TA 7773 3573 734T (Cont'd)
(While listening noticed the group 773 was being sent many times, so decided to copy remainder of message
773 T3U (Appears to be sending groups of 3 figures vice the usual groups of 4 figures)
773 T33
773 354 370 4U4 456 3D6 4DT 4D4 TUN
773 354 367 4T3 NN3 445 3DU 335 N3D 4AA NN3 453 3D5 5? 4DT 4D5 TUU
773 353 373 4T4 NN3 445 3DU 34U N3D 4T3 NN3 43? 435 466 3DT TTU 4DT 4D6 TA7
773 TU4733 TU5 7E
773 353 4A7 NN3 446 3D3 4DT 4D6 476 3UN TU7
773 354 367 4T7 NN3 453 3D5 335 N3D 4T7 NN3 446 3D4 4DT 4D6 TUN N34 III = =
T33
773 354 373 4T7 NN3 446 3DT ? 3D3 335 N3D 4A7 NN3 445 3DU 4DT 4D6 TUU
773 35? 353 373 4T4 NN3 446 3D3 4DT 4D6 476 AR AR (1158z)
AVA MSG K
HH AHR MSG GA NR 0943 CK 41 35 1127 1 = = =
TAA N5U TU7 N53 TAD N54 7TT TT3 746 6TU
6T7 6TU 6AT TA4 6A4 ATT 6A5 UA3 6A6 TTT
6A7 TA6 74D 6UU TA4 N34 TA6 635 4A4 65N
TU4 DAA D5D NU7 DD3 6A4 AA4 6A5 A53 6A7
TAD AR AR (1201z)
N MSG AGN NR 0943
MSG AGN NR 0943
MSG AGN NR 0942 CK 227 35 1127 1601 =
TU7 3U6 3AN 3U7 TAU 773 TA7
773 357 373 4T4 NN3 446 3D3 4DT 4D6 TAD
773 357 35N 4T4 NN3 435 466 3DT TTU 4DT 4D3 TAN
773 357 35N 4A7 NN3 435 3DU 4DT 4D3 TUT
773 357 35N 4A7 NN3 445 3DU 4DT 4D3 TUA
773 TUU
773 TU3
773 TU7
773 356 4T4 NN3 445 3DU 4DT 4D6 TU4
773 TU5
773 353 4A7 NN3 446 3D3 4DT 4D6 TU6
773 353 4T3 NN3 445 3DU 4DT 4D6 TUN
773 T3T
773 T3U
773 357 373 4T3 NN3 445 3DU 4DT 4D6 T3A
773 T33 III =
773 354 367 4T3 NN3 445 3DU 34A N3D 4A5 NN3 456 3D5 4DT 4D5 3UD TU7
773 T3T
773 T3A
773 T3U
773 T33
773 354 37T 4U4 456 3D6 4DT 4D4 TUN
773 354 367 4T3 NN3 445 3DU 335 N3D 4AA NN3 453 3D5 4DT 4.5 TUU
773 353 373 4T4 NN3 445 3DU 34U N3D 4T4 ? 4T3 NN3 435 466 3DT TTU 4DT 4D6 TA7 ? TA7
773 TU4
773 TU5
773 353 4A7 NN3 446 3D3 4DT 4D6 476 3UN TU7
773 354 367 4T7 NN3 453 3D5 335 N3D 4T7 NN3 446 3D4 4DT 4D6 TUN N34 II
HHH IIII =
T33
773 354 373 4T7 NN3 446 3.3 335 N3D 4A7 NN3 445 3DU 4DT 4D6 TUU
773 353 373 4T4 NN3 446 3D3 4DT 4D6 476 AR
AHR 7G GA
NR NR 0943 CK 41 35 1127 1604 = =
TAA N5U TU7 N53 (Repeats message)
AR AR (1219z - Silent)

5555 kHz, 27-11, 1130 UTC

DE S6K0 N QSA 2 QSA ? K
N M N QSA . . IEC AR K (Normally associated with exercise traffic)
U . NR ? K
R HR WK NR ..2 K
U V HFTX EEEEE
VV FDXI DE WZ.. K
GZZ.
05 (Cont'd - on top of station sending - Louder than initial stations)
R 004/CCK CK 30 EEEEE
7G NR 004/CCK CK 39 48 EEEEE
7G NR 0 EEEEE
7G NR 004/CCK CK 39 49E 447 1127 1925 RMM RMKS 0069 TO
RMKS 0069 TO 0226 K
R HR 1P 1W =
567D N4TA U346 57AD NTU3 4T67 5DNA U376 (Cont'd)
(Initial stations still in background chatting - 1136z)

3595 kHz, 28-11, 1415 UTC

RPT 62W K
RPT 52W K
R QSL 2216 K
R LSB WK K

4578 kHz, 28-11, 1100 UTC

3NNN AUUD D3D4 N74A 5374 III III = = =
AU74 NNT6 DDT5 5D7A 57U5 TDT3 (Cont'd)
III III = = =
3DD4 7636 36345 3567 D7A3 65D7 N3NN (Cont'd)
III III = = =
D7NU 7DDT 753A 4DDA AU64 D5ND5 3NU7 (Cont'd)
AR (1109z - Silent)



MC03

Chinese Air Defense

8834 kHz, 04-11, 0945 UTC

using Siberia remote tuner:
(IP - Handsent - T=0 - 0945z)
RR6292.6393RF 8270519289631. 44
FF 44 10520578 2095
FF 208052005782059 9100900RR2028 R R 2035
FF 8200520578202959
FF 441052128949790944
FF 21805201208949759.M00900
FF 8200521E 28E98929 46
FF 441052020289. (0948z)
(Appears to be Chinese tracking station)

5139 kHz, 13-11, 2010 UTC, i.p.

5UU UA6644 AA3 TN
5UU UA5U6N AAT TN
5UU UA6645 .ND764U AT6 AT
5UU UA5U6N AAT AT
5UU UA663D 74N4A33 AU5 AT

8073 kHz, 13-11, 1203 UTC, i.p.

773TU T773 35 34T3 NN34 3646 7 3D44 (Cont'd - groups runned together)
7733564T3 NN3 4473D54DT 4D6TU4
773?
7730T4
773 357373403NN344D3D64DT4D6TU
777.?
7733564T3NN3 446 4673D44DT4D6TUN
7733573734T4NN..46 3D34DT4D6T3TN34T33
773 357III = =
37U403NN3 4354663DTTTU 335N3 D4T3NN34463D34 DT 4D6.UD TAU
773 TA7
773 .5737U4T3NN344746D 3D54DT 4D6TAD A ?
773 TAN773TU3 773 3534T4NN34464673D44DT 4D6TUT
773353? 353404 NN34464 ?
.D34 36N3D4T4NNU4U5 4663DTTTU4DT4D6TUA
773 35737 (Cont'd)

5139 kHz, 23-11, 1934 UTC
5UU UA645D 64NAN3D AU4 3U
5UU UA56UU 6N.N475 D 3U
5UU UA56A6 6NN4A7N ATT 3U



UM01

Unid CQ station

3580 kHz 1) 10742 kHz (3rd harmonic) 2) 7162 kHz (harmonic)

02-11, 0753 UTC, CQ P 2	07-11, 2207 UTC, CQ P 1	18-11, 0227 UTC, CQ M 14
02-11, 0806 UTC, CQ P 3 // 1)	08-11, 0352 UTC, CQ P 1	18-11, 0727 UTC, CQ M 13
02-11, 0823 UTC, CQ P 5	09-11, 1651 UTC, CQ M 4	18-11, 0903 UTC, CQ M 12
02-11, 1021 UTC, CQ P 36	09-11, 2032 UTC, CQ M 8	18-11, 1348 UTC, CQ M 13
02-11, 1458 UTC, CQ P 6	10-11, 0938 UTC, CQ M 9	18-11, 2245 UTC, CQ M 13
02-11, 1642 UTC, CQ P 4	10-11, 1038 UTC, CQ M 9	21-11, 2155 UTC, CQ M 5
02-11, 1954 UTC, CQ P 2	10-11, 1415 UTC, CQ M 10	22-11, 0143 UTC, CQ M 4
03-11, 0226 UTC, CQ P 1	10-11, 1612 UTC, CQ M 11	22-11, 0950 UTC, CQ M 7
03-11, 1657 UTC, CQ P 0	10-11, 2020 UTC, CQ M 12	22-11, 1029 UTC, CQ M 8
03-11, 2250 UTC, CQ M 3	11-11, 0304 UTC, CQ M 13	22-11, 1319 UTC, CQ M 9
04-11, 0152 UTC, CQ M 5	11-11, 1056 UTC, CQ M 10	22-11, 1621 UTC, CQ M 10
04-11, 0930 UTC, CQ P 45	11-11, 1904 UTC, CQ M 8	23-11, 0133 UTC, CQ M 5
04-11, 1005 UTC, CQ P 26 // 2)	11-11, 2128 UTC, CQ M 8	23-11, 1556 UTC, CQ P 0
05-11, 0156 UTC, CQ M 6	13-11, 0155 UTC, CQ M 7	23-11, 1611 UTC, CQ M 0
05-11, 1154 UTC, CQ M 3	13-11, 1058 UTC, CQ M 5	23-11, 1924 UTC, CQ M 1
05-11, 2136 UTC, CQ M 3	13-11, 1154 UTC, CQ M 4	23-11, 2305 UTC, CQ M 6
06-11, 0827 UTC, CQ P 1	13-11, 1352 UTC, CQ M 4	24-11, 0144 UTC, CQ M 10
06-11, 0912 UTC, CQ P 1 // 2)	13-11, 1357 UTC, CQ M 3	24-11, 0946 UTC, CQ M 17
06-11, 1335 UTC, CQ P 2	13-11, 1631 UTC, CQ M 3	24-11, 1100 UTC, CQ M 19
06-11, 1638 UTC, CQ P 1	13-11, 1950 UTC, CQ M 2	24-11, 1825 UTC, CQ M 24
06-11, 1703 UTC, CQ P 1	13-11, 2030 UTC, CQ M 2	26-11, 0134 UTC, CQ M 15
06-11, 1922 UTC, CQ P 1	14-11, 1201 UTC, CQ M 0	26-11, 1743 UTC, CQ M 10
06-11, 2143 UTC, CQ P 1	14-11, 2113 UTC, CQ M 0	27-11, 0137 UTC, CQ M 10
07-11, 0143 UTC, CQ P 1	15-11, 0155 UTC, CQ M 1	27-11, 0203 UTC, CQ M 9
07-11, 0942 UTC, CQ P 2	15-11, 0240 UTC, CQ M 1	27-11, 1701 UTC, CQ M 16
07-11, 1025 UTC, CQ P 2	15-11, 1111 UTC, CQ P 1	27-11, 2214 UTC, CQ M 22
07-11, 1323 UTC, CQ P 2	15-11, 1157 UTC, CQ P 0	28-11, 0942 UTC, CQ M 26
07-11, 1559 UTC, CQ P 2	15-11, 1822 UTC, CQ M 5	28-11, 1112 UTC, CQ M 26
07-11, 1810 UTC, CQ P 1	17-11, 1754 UTC, CQ M 12	28-11, 1414 UTC, CQ M 27
07-11, 1946 UTC, CQ P 1	17-11, 1846 UTC, CQ M 13	28-11, 2115 UTC, CQ M 29
07-11, 2143 UTC, CQ P 1	17-11, 2134 UTC, CQ M 14	



UM10

Unid 10-minutes net

3860 kHz, 03-11, 1723 UTC: KTR4	3314 kHz, 11-11, 2125 UTC: OUCH
3314 kHz, 05-11, 2149 UTC: OUCH	3539 kHz, 13-11, 1540 UTC: ZJL4 //3809 kHz
3314 kHz, 05-11, 2215 UTC: OUCH	3809 kHz, 17-11, 2136 UTC: ZJL4 //3539 kHz
3809 kHz, 06-11, 1344 UTC: ZJL4	3809 kHz, 23-11, 2307 UTC: ZJL4
3539 kHz, 07-11, 1814 UTC: ZJL4	3646 kHz, 26-11, 1747 UTC: OUCH
3539 kHz, 07-11, 2006 UTC: ZJL4 //3809 kHz	3539 kHz, 28-11, 1411 UTC: ZJL4
3539 kHz, 07-11, 2144 UTC: ZJL4 //3809 kHz	3646 kHz, 28-11, 1419 UTC: OUCH

VARIOUS MODES



HM01

Dirección General de Inteligencia

See the Logs Section for the logs. No changes in the schedules were noted.

M42 & X06



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

Russian Government & Intelligence

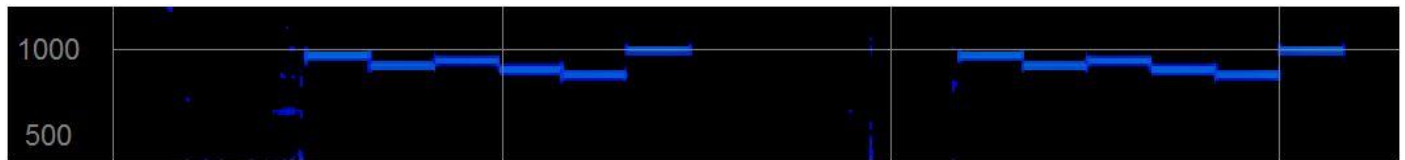


Frequency	Date	UTC	Day	Mode
10898	4-11	1839	Tue	presumed Russian diplo/intel MFSK 60/47.2/3115 2x30 tone MFSK / 60x50hz shift
12222	4-11	2012	Tue	presumed Russian diplo/intel OQPSK/1860/2800+MFSK 16/33/2800
11012	4-11	2035	Tue	presumed Russian diplo/intel OQPSK/1860/2800+MFSK 16/33/2800
10263	4-11	2045	Tue	presumed Russian diplo/intel OQPSK/1860/2800+MFSK 16/33/2800
9041	4-11	2053	Tue	presumed Russian diplo/intel OQPSK/1860/2800+MFSK 16/33/2800

X06

Frequency	Date	UTC	Day	
16115	X06	2-11	1327	Sun Mazielka. Sequence: 215346
16115	X06	2-11	1327	Sun Mazielka. Sequence: 215346
16115	X06	2-11	1332	Sun Mazielka. Sequence: 215346
9158	X06	7-11	1013	Fri Mazielka. Sequence: 361245
16276	X06	10-11	1250	Mon Mazielka
13420	X06	11-11	0758	Tue Mazielka. Sequence: 534216
22908	X06	11-11	0916	Tue Mazielka
16317	X06	11-11	1025	Tue Mazielka. Sequence: 612534
17520	X06	11-11	1030	Tue Mazielka. Sequence: 612534
18523	X06	20-11	0749	Thu Mazielka. Sequence: 325614
19405	X06	20-11	1308	Thu Mazielka. Sequence: 352416
13420	X06	25-11	0814	Tue Mazielka. Sequence: 534216
12126	X06	26-11	0806	Wed Mazielka. Sequence: 521634
13419	X06	26-11	0908	Wed Mazielka. Sequence: 465132
12134	X06	26-11	0931	Wed Mazielka. Sequence: 134265
12122	X06	26-11	0949	Wed Mazielka. Sequence: 165324
9076	X06	28-11	1502	Fri Mazielka. Sequence: 215346
20720	X06c	20-11	0729	Thu Mazielka mooved to 20720 kH at 0855z
23070	X06c	20-11	0855	Thu Mazielka till a least 1000z

19485	X06c	24-11	0838	Mon	Mazielka
20720	X06c	24-11	0945	Mon	Mazielka



Mazielka: 534216

M42

[illegible]

12175 kHz, 28-11, 0700 UTC

Link ID 45136 Msg Number 135 : Msg Type 07145 : Group Count (?) 5 16069 00000 00000 00397 58024 02135 03007 07830
Link ID 08208 Msg Number 014 : Msg Type 03048 : Group Count (?) 1 16064 00000 00017 00011 50496 00447 01918 11581
Link ID 04176 Msg Number 135 : Msg Type 07144 : Group Count (?) 5 16064 00000 00000 00397 58024 02134 03007 07826
Link ID 04096 Msg Number 131 : Msg Type 00352 : Group Count (?) 0 07744 00000 00000 00004 57352 00003 00415 03714

Link ID 45136 Msg Number 135 : Msg Type 07145 : Group Count (?) 5 16069 00000 00000 00397 58024 02135 03007 07830
Link ID 61680 Msg Number 195 : Msg Type 40957 : Group Count (?) 135 49135 02056 32776 00326 63836 01059 01503 04043

Operator chat in CW: QTC 1 ZZC ZVP SLD K

Switches to RTTY at 1036 UTC, i.p., garbled, stops and restarted.

74839 83909 73829 83094 73893 87782 61728 73629 98009 81098
87190 87287 98789 98298 92098 77267 73852 63780 09187 72656
98210 728, 62716 6528 82987 71098 77825 61728 09908 71876
9987 87719 28163 6285~62783 62839 66109 73829 767~ 76190
~.'027 11245 66617 76289 98209 62541 52736 73893 71638 99981 =50=
~w76 99908 61782 63789 63728 62657 78902 63782 17728 88818 98807
67289 55167 63789 52578 51625 52456 76198 71615 99098
89302 7268~w897 63782 51423 18291 52672 89018 72651 90785
09287 72657 82987 71098 62789 25378 63782 77776 81902 7'826
90273 78329 83982 76890 6277 56156 71822 41123 2678 81762 =100=
98089 89876 66742 90876 84321 79054 78654 70537 89521 9067
89463 42618 94738 92071 88301 36720 51946 28402 62819 83017
72917 ~0182 53417 33126 89754 78543 89~q
-103{=?'

The transmission continues with operator chat in CW at 1038 UTC.

CFM NIL QRU ? K
SLV K
BK QRV K

The other side was on 8132 kHz, 02-11, 1040 UTC, i.p.
Operator chat in CW: QTC 1 ZZC K. SEE

Switched to RTTY, transmission stops and restarts with:
RYRYYRYYRYYRYYRYYRYYRYSRYRYYRYYGYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYR
671,100 2 1040 7521 = 8
52612 63482 74818#92901 23758 52783 74821 73889 09283 47890
12683 45367 63647 73888 6463 63721 62773 64737 19202 02934
62738 36478 28393 75843 74839 73917 28379 38492 77735 12990
53647 63721 44321 23910 01928 34625 52637 18263 63718 71823
61728 36472 6378:0~|1::92 73621 63722 6371 63722 62712 =50=
61279 00927 55462 56783 92888 64733 64753 64782 64872 62781
:5 88479 91027 74890 09264 65732 67384 65782 72634 67583 63788
91029 83745 77683 77583 65743 65633 46556 77463 7405?
52612 63482 74812 38901 23758 92783 74821 73889 09283 47890
12683 45367 63647 73888 6463 63721 62773 64737 19202 02934
62738 36478 28393 75843 74839 73917 28379 38492 77739 12990
53647 63721 44321 23910 01928 3&62
52612 63482 74812'38901 23758 92783 74821 73889 09283 47890
12683 45367 63647 73888 6463 63721 62773 64737 19202 02934
62738 36478 2839~&~843 74839 73917 28379 38492 77739 12990
53647 63721 44321 23910 01928 34625 52637 18263 63718 71823
61728 36472 63782 72838 02938 73621 63722 65371 63722 627w =50=
61279 00927 55462 56783 92888 64733 64753 64782 64872 62781
88479 91027 74890 09264 65732 67384 65782 72634 67583 63788
91029 83745 77683 77583 65743 65633 46556 77463 54621 26374
63481 63485 63890 03947 75859 38588 44564 46444 65466 46374
74838 88917 73812 73882 7821 54642 74821 73829 89301 23933 =100=
-
111 405 - 10 47890
12683 45367 63647 73888 6463 63721 62773 647~ 19202 02934

62738 36478 28353 75843 74839 73917 28379 38492 77739 12990
3647 6372 ~
21 23910 01928 34625 52637 18263 63718 71823
61728 3~

The RTTY transmission was really bad. Many mistakes, restarts and several lines were repeated. Because of these repeats the group counts (=50= and =100=) are not correct.

The transmission continues with operator chat in CW at 1049 UTC: ...810 QS. 41810 K



XP family

XPA, 11409/13509/14609 kHz, 01-11, 0700/0720/0740 UTC

456 456 456 1
06985 00213 79974 55127 11788 84525 57448 72749 17905 46459
13641 05160 69932 18178 80684 86552 67039 21083 25381 68336
80779 28343 16657 93769 16752 53798 93021 64799 69087 28599
82507 22572 48650 93149 99613 29270 89488 09966 28776 82747
09631 77794 21679 61077 60821 62760 81464 63391 24931 63707
90512 20123 67018 08224 05954 69753 02506 29919 01224 56146
77940 93539 60252 46552 72885 66289 29078 47166 08539 09403
49076 44682 73108 06324 76636 79139 65083 47616 39653 58372
72398 37762 43480 51069 19430 39183 62128 11780 47377 60857
83059 11096 90396 71534 27675 27196 34757 28505 22758 25324
82592 23545 16399 75423 74081 45253 44469 33765 27664 23110
97341 16970 68660 10237 41372 95137 57535 24028 49324 40965
05957 96058 27846 63866 70159 21005 88280 26025 82394 84745
70147 93108 05777 78909 67592 58558 98679 87984 15623 86230
60747 00703 04835 48062 64864 29328 54621 69403 95706 02456
51626 69816 64158 41506 02797 33530 30804 54237 57936 37660
01261 82467 95743 92312 46626 13774 50392 94421 99069 39947
35443 41798 75857 16065 16108 02632 39103 96895 82198 45640
75668 21702 63815 37115 24343 45375 30455 27758 66926 73214
21779 68253 43366 67677 53544 99039 87619 08524 99293 59087
08305 37217 68458 91415 85672 99090 21194 05371 11127 32396

XPA2, 18238/16238/14438 kHz, 02-11, 1300/1320/1340 UTC

04347 00001 00000 10140

XPA, 8123/7523/6823 kHz, 04-11, 1900/1920/1940 UTC

158 158 158 000
09321 00001 00000 10140

XPA2, 18238/16238 kHz, 04-11, 1300/1320 UTC

09614 00001 00000 10140

XPA, 11409/13509/14609 kHz, 05-11, 0700/0720/0740 UTC

456 000 07001 00001
00000 10140

XPA2, 16114 kHz, 07-11, 1420 UTC

03188 00001 00000 10140

XPA, 11409/13509/14609 kHz, 08-11, 0700/0720/0740 UTC

456 000 07645 00001
00000 10140

XPA2, 18238/16238/14438 kHz, 09-11/11-11, 1300/1320/1340 UTC

06685 00141 74322 98233 43669 79520 26185 99006 38361 02997
47706 11336 21446 77607 01452 87639 71769 17139 63816 80623
75409 13444 94950 05696 43852 94364 24091 99991 28490 00347
39979 02367 90587 56710 30904 84427 40675 11002 96309 28091
70310 11860 18944 10302 64968 62674 11383 32000 79924 94010
81329 20410 33121 05260 20298 46880 96666 95233 00121 37845
70834 24491 56724 58095 05784 93334 44700 77823 05689 90556
97932 70812 68817 73348 99933 13150 60022 65229 10210 33622
22888 25585 59664 65083 33118 23526 29908 15833 74340 63337
92816 73334 39466 36657 44695 74477 24415 86646 43023 80940
37336 30368 90943 42369 51194 21491 78268 46958 47037 74950
18522 59113 49953 40446 01544 03569 52749 11469 61290 70739
58228 30538 44330 01569 68411 65905 43204 77913 96941 01050
23437 62109 61121 37012 85778 08634 38596 93502 32129 42841
65954 69782 69445 22512

XPA, 8123/7523/6823 kHz, 11-11, 1900/1920/1940 UTC

158 158 158 1
03885 00241 66096 51734 59403 48327 58757 46455 70403 06227
35720 42250 88649 84027 07559 76271 87913 65781 82142 60939
02264 19681 18232 02672 64439 19383 16014 84484 81204 61809
32488 87089 53843 76002 70588 98102 52685 92290 47247 55439
29929 64601 30263 91945 68519 45854 29510 50446 94783 30757
51828 32417 51863 55906 80715 68041 33557 42156 05619 34048
57297 78935 91969 24730 73328 18594 90675 56140 41907 74721
83796 90813 93289 64138 88764 88034 26412 59374 93719 62297
62739 96386 53472 77811 81081 15562 14732 30639 02368 11715
38238 17180 17651 13548 80614 96419 27148 40851 28635 64248
47904 80434 72952 32168 79671 25866 25525 27567 78871 43896
69126 25512 10367 90986 01237 61054 06588 91810 05466 09464
34327 69909 73908 73981 32772 97658 49427 89006 56500 69405
67332 28460 60699 25515 05669 60916 29965 64195 64289 74330
77429 50187 33330 85724 48042 58512 36481 66375 69453 87236
08426 90835 43180 27877 97769 39882 23871 91519 93856 93977
47596 91947 15608 56057 37710 43554 65840 39708 04199 16077
04416 79897 01747 89667 41588 78544 11661 07234 26989 91748
51718 38649 30364 47087 17498 87882 86000 15159 61897 18386
64861 44170 21197 91333 60371 81453 32137 62177 01355 14487
01701 62631 47232 80744 23996 05176 02937 56722 38258 81943
11287 48737 78443 76254 57502 65526 61012 55446 50756 60911
10849 41828 82164 25363 73616 79678 15478 95301 93537 04018
44130 19804 92660 58880 89659 63416 86826 45500 31425 74109
48662 85986 96322 77110

XPA, 8123/7523/6823 kHz, 13-11, 1900/1920/1940 UTC

158 158 158 000
02008 00001 00000 10140

XPA2, 17462/16114/14828 kHz, 14-11/15-11, 1400/1420/1440 UTC

00764 00047 94534 19723 54192 96697 66302 34223 93536 56430
43831 91725 25209 27571 72677 94303 49798 99686 77497 94072
16908 74370 57315 10630 72393 96921 95344 94443 22577 12566
35985 34149 52091 55804 33141 07516 84915 30847 19229 73785
95356 80006 72645 80628 93318 68005 77210 61557 25985 50456

XPA2, 21859/20726/19921/19117/18264/15964 kHz, 13-11, 0800/0810/0820/0830/0840/0850 UTC

04686 00142 47121 74957 12614 89864 29082 39674 16604 48233
27585 66378 91304 98717 30930 79168 79609 56206 09575 25728
51771 57427 84195 64210 41809 63886 76153 67829 12893 51593
40563 24495 60689 90861 03204 42470 27070 16721 43968 25283
54339 93651 04964 53632 11492 26114 78900 96190 66562 78616
09891 20370 15616 93411 47668 45924 61667 50196 81719 6????
67392 71147 86312 28259 09693 68895 48690 87744 71177 02456
23955 27384 94444 18104 34849 48876 36105 36555 40000 11101
11231 88783 91965 09882 10048 67278 77411 73639 71563 91666
18122 56033 00992 94276 41601 32214 72140 83096 38513 87731
42680 16513 87846 31150 50403 31295 39809 41620 85014 78688
47074 18028 60393 29074 53643 41370 29743 73354 34898 28834
66389 47072 21844 24267 53253 44988 31020 88140 38986 85650
67833 71721 28415 66501 42638 37953 59267 40367 87650 59140
18740 98236 85119 93856 36051

XPA, 11409/13509/14609 kHz, 12-11/15-11, 0700/0720/0740

456 456 456 1 456 456 456 1 456 456 456 1
02454 00191 44222 11397 68271 38374 94904 18023 80488 38971
80376 71106 56596 93642 99883 42977 03123 14405 41551 65330
89664 57860 03851 52509 59030 17104 20785 72155 19675 41143
05012 41268 27242 60037 11961 72970 49527 82933 43473 97010
75947 41071 13811 80317 22294 08123 60105 53706 21743 66989
21894 64469 28880 88754 17308 46207 83712 19742 16585 11814
83526 42678 72885 43661 70144 98325 74074 46877 01295 10594
86420 93038 47266 63976 24223 94176 23309 73624 08519 96456
99527 32798 59818 45443 25011 23452 67612 98425 54389 60114
84352 38872 36828 87025 53603 61590 89120 63564 35795 55260
13344 99381 48694 01581 43593 73820 08355 41542 91051 16448
44830 27364 52778 03811 70587 99334 28272 76114 09694 36246
62653 83804 76449 66795 57105 68620 16903 14766 51810 82490
57254 84006 83207 70383 69511 53510 22271 08399 08991 82275
31167 10598 41267 27794 39616 29624 39383 76137 63687 92885
55138 58452 47825 32568 78905 83106 13009 46083 64220 68838
27188 13877 51779 90977 62316 37857 49603 65293 82127 22238
37008 60426 32873 67269 61851 74465 44458 74676 11457 03117
76776 65138 22722 28586 08161 58043 23879 14672 35974 44792
11285 73100 50205 31475

XPA2, 18238/16238/14438 kHz, 16-11, 1300/1320/1340 UTC

XPA2, 18238/16238/14438 kHz, 18-11, 1300/1320/1340 UTC

07560 00061 27597 62050 31678 25719 29492 06563 59383 97731
04324 18362 58037 05326 88416 64540 99263 05797 45342 64034
86684 37605 04906 34234 31072 49979 56882 80929 78508 50685
75571 05751 59536 64643 55241 17310 70891 22578 16825 90170
05662 60948 93519 78286 35354 61310 98640 82133 21692 17902
33539 58211 36609 07964 09200 65656 86033 54604 33832 88893
19339 18289 77756 75145

XPA, 8123/7523/6823 kHz, 18-11, 1900/1920/1940 UTC

158 000 08894 00001
00000 10140

XPA, 11409/13509/14609 kHz, 19-11, 0700/0720/0740 UTC

456 456 456 000
09641 00001 00000 10140

XPA, 8123/7523/6823 kHz, 20-11, 1900/1920/1940 UTC

158 158 158 000

04927 00001 00000 10140

XPA2, 17462/16114/14828 kHz, 21-11, 1400/1420/1440 UTC

05207 00001 00000 10140

XPA2, 17462/16114/14828 kHz, 22-11, 1400/1420/1440 UTC

02009 00001 00000 10140

XPA2, 18238/16238/14438 kHz, 23-11, 1300/1320/1340 UTC

04582 00001 00000 10140

XPA, 11409/13509/14609 kHz, 26-11, 0700/0720/0740 UTC

XPA, 11409/13509/14609 kHz, 29-11, 0700/0720/0740 UTC

456 456 456 1

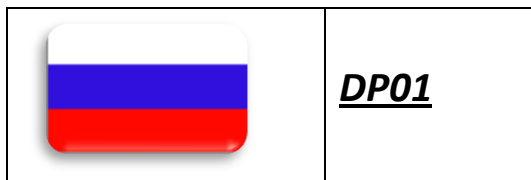
01762 00177 84882 02468 31359 92581 95980 30471 85013 54964
21801 63962 13224 96449 65672 16614 58814 07605 85164 74954
14669 84036 62061 78211 00751 20182 13112 60930 01164 83379
39467 70394 72798 28343 07192 11122 61767 38015 82101 71886
76621 41040 54021 59887 78667 45701 43128 63507 34766 64582
62743 74562 49195 14578 64460 28992 56179 81974 58477 61956
84933 12366 89447 13542 73906 92895 40312 35079 20369 68642
18993 30320 04539 06154 57993 09083 85099 97901 61534 51330
56469 27597 66456 02651 64466 97269 75438 54785 16022 85757
59613 89401 40295 30243 94128 16599 92968 65919 51467 50509
32792 80639 92350 96308 41587 79501 50126 60505 99798 44405
31696 68023 19264 44773 17618 37655 84123 81903 98833 98054
15508 05566 69927 84497 99754 88492 73023 90100 45158 08111
60787 60979 85360 26766 35145 51718 81829 99147 53200 13202
65928 92461 07516 92479 23564 91651 97712 82239 89099 51432
04166 45891 43675 65413 56648 24767 95378 38715 27182 46754
82979 49900 46884 04356 71189 18313 23290 63578 97773 95787
51544 41526 22626 61440 28842 81724 70593 42237 16280 40121

XPA2, 17462/16114 kHz, 28-11, 1400/1420 UTC (decoding errors)

04214 00161 78497 73790 84006 21688 46826 16786 79669 77927
11392 04598 92951 76923 89156 03805 85530 22875 96454 94682
19111 19679 69977 25840 20465 98348 71858 11929 95133 59369
22755 47817 47416 39993 24537 45230 41177 21532 88510 36388
80094 66350 51048 20855 48850 46129 15619 40614 09764 25824
78339 96026 32916 57660 22658 44235 26282 67576 67155 26172
87790 07817 46296 10381 02662 28477 10289 26326 76903 39638
15818 07845 88602 53561 37659 39053 23238 14660 37045 00673
63333 18855 11829 07888 33424 77987 22377 8100 4463 2977 85406
04172 00111 24244 11587 78550 65641 49926 53697 14807 45023
08506 13597 08270 57943 38709 78226 49916 90551 54258 87642
16898 31056 46317 42376 56932 69701 07712 96404 61625 78955
52029 53360 46497 95767 20840 32167 94154 59837 97686 60069
52131 35335 54213 44433 52722 74938 68109 20995 73895 09086
49492 59581 93355 92065 81348 06467 87935 30498 21286 77680
00420 73527 56052 29638 95606 23537 42387 37552 21249 25529
98181 68832 50412

XPA2, 18238/16283/14438 kHz, 30-11, 1300/1320/1340 UTC

04625 00001 00000 10140



20028 kHz, 14-11, 1020 UTC Russian Gov/Intel.
19048 kHz, 14-11, 1030 UTC Russian Gov/Intel.

16.5Bd MFSK-16 / 2x 62.5Bd QPSK
16.5Bd MFSK-16 / 2x 62.5Bd QPSK



XSL a.k.a. Slot Machine
Japan Maritime Self-Defense Force
海上自衛隊 Kaijō Jieitai

Daily on 4153, 4231.5, 5417, 6250, 6417, 6445, 8313, 8588, 8703.5 kHz.

Mode: QPSK 1500bd

Reportedly telemetry transmitted by the Japanese navy



Polish Intelligence

The digital sister of E11/S11a/M03 is still active. Copied by Danix

The mode is FSK 100/625

Schedules:

Tuesday, 0900 + 0905 UTC, 7599 kHz, ID 0353

Wednesday, 0845 + 0850 UTC, 9370 kHz, ID 0554

Thursday, 0630 + 0635 UTC, 7772 kHz

Danix logged it on November 27th when it sent a 34-group message, which began and ended with "77777 77777" Similar to E11b/S11b/M03c? ID was 05#4.



North Korean diplomatic stations

16118.5 kHz, 10-11, 1246 UTC
18450.0 kHz, 15-11, 1003 UTC

North Korean diplo DPRK-ARQ 600/600 LSB
North Korean diplo DPRK-ARQ 600/600 LSB



Egyptian diplomatic stations

Modes: SITOR-A 100/170 & Codan-9001

16022.0 kHz, 03-11, 1233 UTC
12331.7 kHz, 04-11, 2020 UTC
11033.0 kHz, 04-11, 2110 UTC
14446.0 kHz, 07-11, 1502 UTC
25014.7 kHz, 11-11, 0959 UTC
14650.0 kHz, 26-11, 1340 UTC

MFA Cairo (99911) wkg Egyptian embassy Berlin (11104). Codan 80bd Chirp
MFA Cairo clg IPTX Egyptian embassy Havana. SITOR-A 100/170
MFA Cairo clg IPTX Egyptian embassy Havana. SITOR-A 100/170
MFA Cairo clg KKVl embassy Dar es Salaam. SITOR-A 100/170
MFA Cairo clg KKXE embassy Luanda. SITOR 100/170
MFA Cairo clg OOVc embassy New Delhi + CODAN-9001 data / SITOR-A 100/170

UTILITY ROUND-UP



Armenian Air Defense

Daily active on 3790 and 6450 kHz. Also heard on 4670 kHz USB.



Unid stations

5164 kHz, 13-11, 1131 UTC, copied by JPL
TZBP DE MNBV K. TZBP DE MNBV K

5087 kHz, 13-11, 1359 UTC, copied by JPL
i.p. VVVVVVV KAAZAAZAAZ QSV VVVVVVVVVV AR (1402z - Silent)

RUSSIAN MILITARY TRANSCRIPTS

Contributors: JPL, Peter, Antonio, Tom, Faux, Trond, Ary



RMv/RNv/RNAv/RAv **Russian military stations**

Frequency: various
Mode: USB / voice

RAv:
6685 kHz, 12-11, 1755 UTC Korsar in contact with Klarinetist about routing of an aircraft
18030 kHz, 19-11, 1257 UTC Russian Air Force aircraft 76776 wkg Korsar. Take off at 1530 in Plovnik. ETA 1810. 50 tons load.
Refueling 21 tons, 10 passengers
18030 kHz, 19-11, 1301 UTC Korsar clg Polis, Proselok, Davelnye, Klarinetist, Poletnoj



M32

Russian/CIS Military CW Stations

The Russians were very busy with flash messages on 04-11, 4648 kHz. Thanks to Peter for the logs.

0809 UTC XXX XXX 1QRF 1QRF 92 614 VODOKANAL 4362 9963 FLAKSEDIL 4979 7990 K
0818 UTC XXX XXX 1QRF 1QRF 53345 VODRUVENIE 3228 6368
XXX XXX 1QRF 1QRF 53345 VODRUVENIE 3228 6368 K
0822 UTC XXX XXX 1QRF 1QRF 43491 SODOKU 6402 3774 SMOLXNK 9524 5738
XXX XXX 1QRF 1QRF 43491 SODOKU 6402 3774 SMOLXNK 9524 5738 K
0825 UTC XXX XXX 1QRF 1QRF 41087 SNARDNIK 0112 0314
XXX XXX 1QRF 1QRF 41087 SNARDNIK 0112 0314 K
0837 UTC XXX XXX 1QRF 1QRF 06 258 VKOPKA 4630 1964K
0839 UTC XXX XXX 1QRF 1QRF 13 416 ANGALAMIN 7295 5372k
0901 UTC XXX XXX MSK7 MSK7 56 358 ALAFA 3471 7891K
0914 UTC XXX XXX MSK7 MSK7 48 523 EHKTASI 9132 5815 K
0922 UTC XXX XXX MSK7 MSK7 11 071 KOWAR 6920 4679 K
0924 UTC XXX XXX MSK7 MSK7 96 250 ZLATAN 1355 9664
XXX XXX MSK7 MSK7 96 250 ZLATAN 1355 9664 K
0930 UTC XXX XXX MSK7 MSK7 39671 VORONA 8370 0826 OKTAMETIL 0957 0968 K
0932 UTC XXX XXX MSK7 MSK7 42409 ANTOLOGI 1355 9664 KWALYGA 3874 4967K
0935 UTC XXX XXX MSK7 MSK7 12275 KILIR 1621 4078K
0941 UTC XXX XXX MSK7 MSK7 62058 FLAGDUK 8752 8702 K

10424 kHz, 05-11, 0938 UTC, i.p.

77884 10923 45763 68933 23442 11344 35758 45880 25959 35880
47976 06435 77565 94576 06789 44007 00445 18191 04030 = T71 K
DE TUCW R 659. K
QE OK QRU ? K
QTC K
QRV K
OK DE TUCW QTC =
196 33 4 1533 196 =
T71
11111 5662. 4759. 36706 (Cont'd) K
DE FXQ5 R 196 K
R K R K

3293 kHz, 07-11, 1954 UTC

9KSS QTC AR. 9KSS 9KSS 9KSS 436 23 7 2240 436 =
604 =
DDDDD EAFMA ZUMDM ACCDK UVJWZ ACCDK UVJWZ ACCK EEEEE
RPT AL UVJWZ ACCDK UVJWZ BWFVE BASVK \O\OIV\O RVDZT CIDDE
MKBLI IH\ODF VRWBI GCTQL LINKW IMKEN PUPWP 604 K K (Note
repeated groups)
R K
BASVK K
CIDDE K
IH\ODF K
BT VRWBI K
R K

6342 kHz, 13-11, 2022 UTC

68756 81809 70259 16565 10912 96036 09482 17341 13149 K
RDL RDL RDL 16367 37339 16367 37339 16367 37339 K
RDL RDL RDL 11111 73043 03935 84484 84484 83409 23867 (cont'd)

5769 kHz, 06-11, 1359 UTC

E9JB DE 7VOA QTC K
7VOA DE ... QWV K
7VOA 699 32 6 1640 699 =
602 =
AAAAA WMOBJ IK\US\U (Cont'd)

4150 kHz, 06-11, 1659 UTC

KBXW KBXW K
OK KBXW NIL SK
HVDR HVDR K
OK HVDR NIL SK SK

3825 kHz, 07-11, 1818 UTC

PUZX DE ZIZK K
R K
WYMN DE ZIZK K
R K

3275 kHz, 07-11, 2002 UTC

ALP4 DE 8YOS K
ALP4 K R K
XCOT DE 8YOS K
XCOT K R K

3998 kHz, 07-11, 1331 UTC

ZIQH DE KW50 K
KW50 DE ZIQH K
ZIQH DE KW50 K
YBHP DE WEEEEEE YBHP DE KW50 K
QSA 2 QSA ? K R K
2SOI DE KW50 K

7931 kHz, 13-11, 1412 UTC

DE 8GD6 QTC K

8GD6 209 18 13 1704 209 =

554 =

.HSOK YPDH\U CBNZE MKC\O (Cont'd)

4024 kHz, 13-11, 2004 UTC

1R2D DE E3DO QSA ? K

1R2D (Both stations on this frequency)

QSA 3 ? K

QSA 2 K

R K (2004z - Silent)

8990 kHz, 14-11, 1140 UTC

DE HS1T QTC K

HS1T BT 227 65 7893 434737 322325 K

C K

10424 kHz, 15-11, 0215 UTC

DE JTHLQSA ? K

JTHL DE ST2U QSA . QSA ? K

QSA 1 FOR QRJ ? K

QRJ 2 K

R K

ZMVV DE JTHL QSA ? K

4442 kHz, 15-11, 1153 UTC

KR6N KR6N KR6N DE KC1F KC1F K

R K

ZM7G ZM7G ZM7G DE KC1F KC1F K

8063 kHz, 18-11, 1352 UTC

Long encrypted message. Ends at 1414 UTC

8509 kHz, 18-11, 0212 UTC

QSA 3 QSA ? K

OK QSA 3 K

OK K

R K

V KLJD DE Y43Y QSA ? K

DE KLJD QSA 1 QSA ? K

KLJD QSA 2 K

OK K

R K

HL2P DE Y43H QSA ? K

DE HL2P QSA 4 QSA ? K

OK QSA 3 K

OK K

R K

I6CK DE Y43H QSA ? K

MRSJ DE Y43H QSA ? K

Y43H DE MRSJ QSA 3 QSA ? K

OK QSA 3 K

OK K

R K

8Q5O DE Y43H QSA ? K

8Q5O DE Y43H QSA ? K

Q1BN DE Y43H QSA ? K

DE Q1BN QSA 2 QSA ? K

Q1BN OK QSA 2 K

OK K

R K

13996 kHz, 20-11, 1226 UTC YSHC QTC AR. YSHC 821 34 20 1522 821 = ZAE 940 = POGPP OChQNE KCCKN GChQZL RPAAA ...
SITIö äSITI XTPAN RChGNW BKKWK 095 K.

4816 kHz, 23-11, 1716 UTC VFGK de DATZ

6883 kHz, 23-11, 1724 UTC XXX XXX WEGI 64145 wehrewatyj 1717 7906 K

6998.5 kHz, 23-11, 1740 UTC OS6F clg OXWT

7789 kHz, 28-11, 0956 UTC SML1 DE ZBK9 QYT 9 K

3399 kHz, 26-11, 2112 UTC DE CTGY K. QTC K. CTGY 937 34 29 0010 937 = ZDA 494 = 49839 49349 17290 60401 59122
63586 42890 (Cont'd)





M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

9145 kHz, 18-11, 0846 UTC

78512 75133 53393 43434 13860 81641 87356 67203 24479 08270 74288 65665 83758 09902 75761 02576 77959 62812 14478

03269 24636 74435 12250 68838 .0349 18027 = RPT AL AR RIW K

RCRE DE RIW K

RIW AS 2 K. RIW AS 2 K. RIW AS 2 K. RIW R K

RDND DE RIW K

RIW QRR 3 SK K

RIW R K

RCRE DE RIW K

RIW III RIW NR 429 RPT AL K

RIW NR 429 RPT AL K

3547 kHz, 02-11

1503 UTC DE RMW46 ZSA ? K
 RMW46 DE R... K
 RMW46 ZSA 3 R K
 RGR88 DE RMW46 ZSA ? K
 RMW46 ZSA 4 R K
 1504 UTC RGR89 DE RMW46 ZSA ? K
 RMW46 DE RGR89 ZSA... K
 RMW46 ZSA 3 R K
 RGR90 DE RMW46 ZSA ? K
 1505 UTC RMW46 DE RG490 ... K
 RMW46 ZSA 2 R K
 RGR91 DE RMW46 ZSA ? K
 RMW46 DE RGR91 ZSA 4 ZSA ? K
 RWM46 ZSA 4 R K
 1507 UTC RGR92 DE RMW46 ZSA ? K
 1508 UTC RFS46 DE RMW46 ZSA ? K
 RMW46 ZSA 4 R K
 1509 UTC RGR93 DE RMW46 ZSA ? ZLN K
 RGR94 DE RMW46 ZSA ? K
 RMW46 ZSA 3 R K
 1510 UTC RGR95 DE RMW46 ZSA ? K
 RMW46 DE RGR95 ZSA . ZSA ? K
 RMW46 ZSA 3 R K
 1511 UTC RGR96 DE RMW46 ZSA ? K
 RMW46 DE RGR96 ZSA 3 ZSA ? K
 RMW46 ZSA 3 / 2 R K
 1512 UTC RGR97 DE RMW46 ZSA ? K
 RMW46 DE RGR97 ZSA 3 ZSA ? K
 RMW46 ZSA 4 R K
 1513 UTC RGR98 DE RMW46 ZSA ? K
 RMW46 DE RGR98 ZSA 3 K
 RMW46 ZSA 4 R K
 1514 UTC RDQ81 DE RMW46 ZSA ? K
 RGR92 DE RMW46 ZSA ? K

(All outstations on this frequency, but mostly unreadable)

8345 kHz, 04-11,

0018 UTC RFE76 Sibiryakov: RIT DE RFE76 237 16 4 0310 0237 = SML FOR RJH45 RJH74 = 0401 99401 70111 41497 83115 10158 40084 58004 71582 889// 22272 00193 04012 = + RFE76 K

0322 UTC RFE76 Sibiryakov: RIT DE RFE76 376 16 4 0612 376 = SML FOR RJH45 RJH74 = 04031 99404 70112 41497 63417 10127 40082 57002 71588 869// 22272 00185 04012 = + RFE76 K

0603 UTC RMGB Iman: RCV DE RMGB 423 19 4 0900 423 = SML FOR RJH45 RJE73 = 04061 99358 10348 41897 10206 10180 40160 54000 70110 81600 22200 00210 20302 88000 80000 04015 = + RMGB K

0618 UTC RFE76 Sibiryakov: RIT DE RFE76 467 16 4 0912 467 = SML FOR RJH45 RJH74 = 04061 99406 70113 41497 83317 10151 40082 54000 71582 889// 22261 00180 04012 = + RFE76 K

8345 kHz, 08-11

0920 UTC RFE76 Sibiryakov: RIT DE RFE76 159 21 8 1212 159 = SML FOR RJH45 RJH74 = 08091 99583 70059 41497 82211 10140 40002 56005 78082 889// 22212 00147 20604 322// 41409 88000 80000 08017 = + RFE76 K

8345 kHz, 12-11

1215 UTC RIT DE RIS96 K QYT4 QSX 4153 QWH 10308 K - QRR3 ? K - OK AS5 K - OK QYT4 QMG1 K

1208 UTC RFE76 Sibiryakov: RIT DE RFE76 218 19 12 1505 218 = SML FOR RJH45 RJD38 = 12121 99575 10110 41497 80811 10084 40136 58021 71522 87930 22232 00110 20604 88000 80000 12015 = + RFE76 K

1107 UTC RFE76 Sibiryakov: RIT DE RFE76 QYT4 QLS1 K OK QYT4 QSX 18952 K

0920 UTC RFE76 Sibiryakov: RIT DE RFE76 117 40 12 1213 117 = FOR RJH74 RJH45 RJD38 = KKXX 12114 0740/ 15759 01014 88881

0918 UTC RFE76 Sibiryakov: RIT DE RFE76 276 20 12 1211 276 = SML FOR RJH74 RJH45 RJD38 = 12091 99579 10105 41497 71012 10092 40157 52021 71588 86930 22222 00128 20604 80000 80000 12015 = + RFE76 K

8345 kHz, 13-11

1416 UTC DE RFE76 QSA ? K

1419 UTC RMP DE RFE76 QSA 3 K. RMP DE RFE76 Q.. QSA ? K.

1420 UTC RFE76 OK AS 2 K

1421 UTC RMP DE RFE76 K. RFE76 QYT 4 .MO K

1422 UTC RFE76 SK

8345 kHz, 15-11

0604 UTC RMGB Tanker Iman: RCV DE RMGB 332 19 15 0900 332= SML FOR RJH45 RJE73 = 15061 99350 10355 41596 70906 10210 40125 54005 70212 87610 22211 20210 20201 88000 80000 15015 = + RMGB K

0921 UTC RFE76 Sibiryakov: RIT DE RFE76 728 20 15 1204 728 = SML FOR RJH45 RJD38 = 15091 99583 10209 42497 81112 10088 40259 52001 885// 22212 00095 20305 311// 40603 88000 80000 15016 = + RFE76 K

1208 UTC RFE76 Sibiryakov: RMP DE RFE76 684 20 15 1505 684 = SML FOR RJH45 RJD38 = 15121 99581 10214 42598 81211 10084 40264 52005 885// 22212 00094 20305 311// 40603 88000 80000 15016 = + RFE76 K

1243 UTC RFE76 Sibiryakov: RMP DE RFE76 249 24 15 1540 249 = FOR RJH45 RJD38 = KKXX 15114 1200/ 15848 02124 88881

8345 kHz, 25-11

1828 UTC VVV RCV DE RIR96 QSA?

1921 UTC VVV RCV DE RIR96 QSA?

8345 kHz, 26-11

0419 UTC RCV DE RIR96 QSA2 (sets up QYT4)

0730 UTC VVV RIW DE RMRV QSA?

0808 UTC VVV RMP DE RHL80 QSA?

0810 UTC RMP DE RHL80 QYT4 QSX 11068

0813 UTC RMP DE RHL80 QYT4 QSX 12769

1800 UTC VVV RMP DE RHL80 QSA?

1813 UTC VVV RCV DE RMJA QSA? QTC

1814 UTC RMJA 726 17 26 2110 726 = SML FOR RJH45 RJE73 = 26181 99347 10270 22222 34.7N 27.0E heading E @ 6-10kts <https://goo.gl/maps/DcUfU>

4376.5 kHz, 29-11

0001UTC VVV RJD99 DE RAG43 QSA? QTC
0002 UTC RAG43 788 19 29 0300 788 = SML FOR RJH45 RJH74 = 29001 99664 10355 22272
66.4N 35.5E heading NW @ 6-10kts <https://goo.gl/maps/mbDxV>
0006 UTC VVV RJD99 DE RMLZ QSA? QTC
0007 UTC RMLZ 722 16 29 0301 722 = FOR RJH45 RJH74 RJD90 = 29001 99664 10407 22200
66.4N 40.7E Hove to <https://goo.gl/maps/YIH3J>
0222 UTC VVV RJD99 DE RAG43 QSA? QTC
0223 UTC RAG43 639 29 29 0520 639 = FOR RIT RJD99 =
11111 50432 75177 58186 55382
76777 84775 06752 17069 93967
62528 36282 61728 85535 86207
23218 22477 75855 30319 46532
58936 66148 08424 05485 38664
80548 29026 = + RAG43
0604 UTC VVV RJD99 DE RAG43 QSA? QTC
0605 UTC RAG43 875 19 29 0902 875 = SML FOR RJH45 RJH74 = 29061 99666 10343 22200
66.6N 34.3E Hove to <https://goo.gl/maps/jfzwt>
0620 UTC VVV RJD99 DE RMLZ QSA? QTC
0621 UTC RMLZ [Broken recording] 29061 99664 10407 22200
66.4N 40.7E Hove to <https://goo.gl/maps/YIH3J>

12464 kHz, 04-11

1206 UTC RMGB Iman: RCV DE RMGB 177 15 4 1500 177 = SML FOR RJH45 RJE73 = 04121 99358 10348 41798 13604 10190
40170 51010 70200 81010 22200 00210 20202 88000 80000 04015 = + RMGB K
1818 UTC RFE76 Sibiryakov: RIT DE RFE76 428 21 4 2112 428 = SML FOR RJH45 RJH74 = 04181 99415 70119 41497 53415
10182 40125 5013 72582 83931 22281 00182 21008 330// 41410 88000 80000 04017 = + RFE76 K

12464 kHz, 07-11

1247 UTC RCV DE RHC84 RPT AL K"...RCH84 RPT

12464 kHz, 08-11

0811 UTC RCV DE RHC84 635 123 8 1101 635 = RKT = MMMMM GÜSOR ÜWJÄP
1148 UTC RFH71 LS NOVOCHERKASSK: RCV DE RFH71 869 19 8 1450 869 = SML FO RJE73 RJH45 = 08121 99355 10354 41798
40506 10230 40240 57009 70300 84001 22232 00150 10201 20201 32000 08015 = + RFH71 K
1201 UTC RFE76 SIBIRYAKOV: RIT DE RFE76 684 21 7 1000 684 = SML FOR RJH45 RJH74 = 08121 99486 70056 41497 ...40007
57005 71582 889// 22212 00144 20503 322// 41308 88000 80000 08017 = + RFE76 K
1204 UTC RMGB TANKER IMAN: RCV DE RMGB 794 19 8 1500 794 = FOR RJH45 RJE73 = 08121 99354 10354 47998 40705
10220 40190 56015 70311 84010 22232 00200 20202 88000 80000 08015 = + RMGB K

12464 kHz, 11-11

1207 UTC RMP DE RFE76 QSA? QTC" flwd by FM-13 report

12464 kHz, 12-11

1311 UTC RFE76 Sibiryakov: RMP DE RFE76 158 150 12 1600 158 = FOR RJC66 734228 = 56552 74407 62531 25013 61129
52592
1204 UTC RCV DE RHI99 QYT4 QSA ? K QYT4 QWH 16604 K OK QYT4 QWH 12576 K

12464 kHz, 15-11

0841 UTC RIW DE RCRE QSA3 K QRS QRV K RPT MSG FROM RIT: 143 60 15 1115 143 = FM RAA = 22881 58694 66037 84336
.... 0900Z OK QSU1 QXS 8794 QWH 8258 K
1301 UTC RMGB Tanker Iman: RCV DE RMGB QSA3 K AS3 K RMGB COR PBL 975 19 15 1500 975 K OK QRU K 2

12464 kHz, 23-11

1247 UTC RCV DE RHC84 NR 104 RPT AL? K

7050 kHz, 05-11, 2205 UTC

i.p. 3285 96611 8610 6519 4450 2548 9420 1453 2710 1560 928 EEEEE

FM 9281 6571 3829 9EEEE

FM 3829 6519 8610 63896 9541 2710 4780 0802 9687 9156 3959 2989 8452 8484 7377 1702 9818 5051 6519 2.50 2710 9506 2.0
FM 2710 4320 2547 IIII A.

FM FM 2548 3A438 9840 3488 0168 9971 8036 7733 7377 8333 4978 9099 1999 9099 3775 7474 2284 8843 9156 860.

FM 8607 9452 03I41 0172 ... 1625 6675 N58.3 0168 9156 3923 8309 6052 9095

4079 kHz, 07-11, 1820 UTC i.p. 290 292 293 29 4295 296 303 305 307 309 310 313 313 AR

REO REO REO DE RMP RMP QTC 824 38 7 2017 824 =

6860 kHz, 07-11, 1021 UTC RMW46 DE RGT49 QSA 2 Z EEEE ZSA 3 .. K

4936 kHz, 11-11, 1755 UTC RAL93 de RIT OK AS 3 K

4079 kHz, 12-11, 1755 UTC XXX XXX RGX89 RGX89 RGV85 RGV85 45297 SRYWATELX 0554 6303 K

5178 kHz, 13-11, 1403 UTC UAB86 DE RTH62 QSA? K. EYU23 DE RTH62 QSA? K.

UYG79 DE RTH62 QSA? K. LC85 DE RTH62 QSA? K

19201 kHz, 13-11, 1422 UTC RHC84 DE RCV QSA? K

10543 kHz, 14-11, 1539 UTC RIP90 weather warnings w/ co-ordinates & placenames e.g. Dardanelly.

3395.5 kHz, 15-11, 0005 UTC RCV DE RGQ60 436 18 15 0300 436 = SML FOR RJE73 RJH45 = 15001 99448 10366 41998 00513

10100 40150 57000 70200 80000 22222 00070 2//// 305// 15014 = + RGQ86 K

3395.5 kHz, 15-11, RFH71 LS Novochoerkassk: RCV DE RFH71 QYT4 QSX 4487.5 K

6832 kHz, 15-11, 1455 UTC RMP Kaliningrad: RGX80 DE RMP QYT4 QSX 5819,5 K

8348 kHz, 15-11, 1504 UTC RHO62 Admiral Vladimirovskiy: RJS DE RHO62 597 17 15 1803 597 = SML FOR RJD38 RJH48 RJH74 =

15151 99023 11490 42597 31702 10285 40185 57011 82201 22200 00306 2//// 15012 = +

RHO62 K

8348 kHz, 15-11, 2103 UTC RHO62 Admiral Vladimirovskiy: RJS DE RHO62 246 18 16 0003 246 = SML FOR RJD38 RJH48 RJH74 =

15211 99022 11490 41598 21202 10298 40187 52014 81101 22200 00298 20010 88000 16013 = +

RHO62 K

10543 kHz, 15-11, 1301 UTC RCV Sevastopol: RMGB DE RCV QSA? K COR NR 973 K OK COR 975 K

7861 kHz, 18-11, 1608 UTC RDU2 RDU2 RDU2 DE RAL2 QSA2 ZNN SK ZNN SK RFH2 DE RAL2 DE RAL2 QSA? K

5805 kHz, 13-11, 2016 UTC RMP DE RIQ97 ZSD 4387

6290 kHz, 23-11, 1940 UTC RIT DE RHL80 K. RHL80 R K

10543 kHz, 23-11, 1532 UTC RBE86 DE RCV QTC 717 33 23 1300 717 = NAWIP...

5213 kHz, 26-11, 0009 UTC RHL80 de RMP OK QYT4 QWH 19016 K

5596 kHz, 16-11, 1800 UTC T21Y de 7XAL R991?

8348 kHz, 29-11, 0906 UTC RHO62 Admiral Vladimirovskiy: RJS DE RHO62 471 17 29 1203 471 = SML FOR RJD38 RJH48 RJD74 =

29091 99047 71446 42598 21010 10275 40148 57005 82100 22223 00281 2//// 29012 = +

RHO62 K

3192 kHz, 25-11, 1928 UTC RGZ52 DE RMP QTC 510 91 25 2022 510 = SML = 03300

3877.5 kHz, 27-11, 1802 UTC VVV RJD52 DE RBGR QSA? QTC

**M32b****Russian Naval Aviation****Aviatsiya Voennno-morskogo Flota Rossii**

5808 kHz, 14-11, 1554 UTC RJC48 de RJF94 QYT 6 QSX 5472 k

8816 kHz, 15-11, 0645 UTC RJF94 RJC38 DE 75040 QTO 0620 QRD XLMV URKE QBD 21500 QRE 1150 K - QAY XUOW 0752 QBG 240 K - QAY UDD 0841 QBD 25300 K - QQL ULWB 0945 QBG 240 K

8816 kHz, 21-11, 0842 UTC RJF94 RJC38 DE 71387 QQL ULPE 0838 QBD 5800 QBD 3500 K - QAY LPB 0925 QBG 5800 QBD 2800 K - QQM XLWF 1011 SK

8816 kHz, 22-11, 0723 UTC RJF94 RJC38 DE 71387 QTO 0700 QRD XLMV XLAA QBD 5200QRE 0830 K

8816 kHz, 21-11, 1119 UTC RJF94 RJC38 DE 71387 QTO 1110 QRD XLLV XLWF QBD 4800 QRE 1305 K - QTH 5949 3250 QTR 1210 QBG 5500 QBD 3600 QRE XLLV 1255 K - QQM XLLV 1256 SK

8816 kHz, 21-11, 1440 UTC RJF94 RJC38 DE 71387 QTO 1434 QRD XLAA XLLV QBD 5200 QRE 1640 K - QTH 6251 3546 QTR 1540 QBG 5800 QBD 3900 K - QQM XLAA 1633 SK

8816 kHz, 21-11, 1540 UTC RJF94 RJC38 DE 71387 QTO 1434 QRD XLAA XLLV QBD 52TT QRE 164T K

8816 kHz, 26-11

0904 UTC QTH 6607 3342 QTR 0902 QBG 5800 QBD 3700 RPT AL
 RJF94 RPT QTH
 71387 RPT QTH 6607 3342

0905 UTC RJF94 QTH 6607 3342 QTR 0902 QBG 5800 QBD 3700
 71387 C

0945 UTC RJF94 RJC38 DE 71387 QTC
 71387 DE RJF94 QRV

0946 UTC 71387 QTH 6345 3345 QTR 0945 QBG 5800 QBD 3100 RPT AL

0947 UTC RJF94 QTH 6345 3345 QTR 0945 QBG 5800 QBD 3100

0948 UTC 71387 C

1021 UTC RJF94 RJC38 DE 71387 QTC
 71387 DE RJF94 QTC

1022 UTC 71387 QAY XLPB 1022 QBG 5800 QBD 2600 RPT AL

1023 UTC RJF94 QAY XLPB 1022 QBG 5800 QBD 2600 71387 C

1531 UTC 71387 QQL ULPE 1529 QBG 5500 QBD 3400 RPT AL
 RJF94 QQL ULPE 1529 QBG 5500 QBD 3400

1532 UTC 71387 C

1611 UTC RJF94 RJC38 DE 71387 QTC
 71387 DE RJF94 QRV

1612 UTC 71387 QQL XLMF 1612 QBG 5500 QBD 2800 QRE XLMV 1650 RPT AL

1613 UTC RJF94 QQL XLMF 1612 QBG 5500 QBD 2800 QRE XLMV 1650

1614 UTC 71387 C

1649 UTC RJF94 RJC38 DE 71387 QTC QQM XLMV 1649 RPT AL



M32c
Russian Air Force
Voyenno-vozdushnye sily Rossii

8112 kHz

10-11, 1300 UTC W-markers: Tu-95MS Bear H net

10-11, 1314 UTC IWV4: Tu-95MS Bear H net NCS: N4NZ DE IWV4 K. QSA 2 K

10-11, 1534 UTC IWV4: Tu-95MS Bear H net NCS: IWV4 = 706 350 9_4 C ? K

18-11, 1301 UTC N4NZ DE IWV4 K. N4NZ DE IWV4 QSA 3 K. IWV4 OK K

24-11, 1340 UTC W-markers

24-11, 1400 UTC AJ1E DE IWV4 K

25-11, 1320 UTC W-markers

LOGS SECTION

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
15768	---	2-11	0753	Sun	i.p. 72178 02885 33948 55972 85685 71337 13192 44539 02055 K	CW	(JPL-Sib)
10898	---	4-11	1839	Tue	presumed Russian diplo/intel 2x30 tone MFSK / 60x50hz shift	MFSK 60/47.2/3115	(PPA)
12222	---	4-11	2012	Tue	presumed Russian diplo/intel	OQPSK/1860/2800+MFSK 16/33/2800	(PPA)
11012	---	4-11	2035	Tue	presumed Russian diplo/intel	OQPSK/1860/2800+MFSK 16/33/2800	(PPA)
10263	---	4-11	2045	Tue	presumed Russian diplo/intel	OQPSK/1860/2800+MFSK 16/33/2800	(PPA)
9041	---	4-11	2053	Tue	presumed Russian diplo/intel	OQPSK/1860/2800+MFSK 16/33/2800	(PPA)
5164	---	13-11	1131	Thu	TZBP DE MNBV K	CW	(JPL-Sib)
5087	---	13-11	1359	Thu	i.p. VVVVVVV KAAZAAZAAZ QSV VVVVVVVV AR (1402z - Silent)	CW	(JPL-Sib)
20461	---	14-11	1348	Fri	Russian diplo/intel	MFSK 16-tones +535Hz to 2635Hz	(Faux)
7772	---	27-11	063	Thu	Polish Intelligence. 34-group message, which began and ended with "77777 77777"	FSK 100/625	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
7772	---	27-11	0630	Thu	Polish Intelligence. 34-group message, which began and ended with "77777 77777"	FSK 100/625	(Danix)
20028	DP01	14-11	1020	Fri	Russian Gov/Intel.	16.5Bd MFSK-16 / 2x 62.5Bd QPSK	(EW)
19048	DP01	14-11	1030	Fri	Russian Gov/Intel.	16.5Bd MFSK-16 / 2x 62.5Bd QPSK	(EW)
16118.5	DPRK	10-11	1246	Mon	North Korean diplo	DPRK-ARQ 600/600	(LG2)
18450	DPRK	15-11	1003	Sat	North Korean diplo	DPRK-ARQ 600/600 LSB	(PPA)
19350	E06	6-11	0600	Thu	507 832 109 67028 79337 00529 ... 90453 48479 55090 832 109 00000	USB	(Danix)
19350	E06	6-11	0600	Thu	507 832 109 67028 79337 00529 ... 90453 48479 55090 832 109 00000	USB	(AB)
20980	E06	6-11	0700	Thu	507 832 109 67028 79337 00529 ... 90453 48479 55090 832 109 00000	USB	(Danix)
4836	E06	6-11	2030	Thu	321 569 20 14259 22676 32782 ... 73311 98089 12250 569 20 00000	USB	(Danix)
19350	E06	7-11	0600	Fri	507 832 109 67028 79337 00529 ... 90453 48479 55090 832 109 00000	USB	(Danix)
20975	E06	7-11	0700	Fri	507 832 109 67028 79337 00529 ... 90453 48479 55090 832 109 00000	USB	(Danix)
20980	E06	7-11	0700	Fri	507-832/109=67028	USB	(HFD)
20975	E06	7-11	0700	Fri	507 832 109 67028 79337 00529 ... 90453 48479 55090 832 109 00000	USB	(AB)
4760	E06	7-11	2130	Fri	472 613 20 14259 22676 32782 ... 73311 98089 12250 613 20 00000	USB	(Danix)
4527	E06	12-11	1920	Wed	376 376 376 00000	USB	(Danix)
4047	E06	12-11	2020	Wed	376 376 376 00000	USB	(Danix)
6874	E06	16-11	1120	Sun	376 0	USB	(HFD)
6874	E06	16-11	1120	Sun	376 376 376 00000	USB	(Danix)
5776	E06	16-11	1220	Sun	376 0	USB	(HFD)
5776	E06	16-11	1220	Sun	376 376 376 00000	USB	(Danix)
19350	E06	20-11	0600	Thu	507	USB	(HFD)
19350	E06	20-11	0600	Thu	507 832 109 67028 79337 00529 ... 90453 48479 55090 832 109 00000	USB	(Danix)
20980	E06	20-11	0700	Thu	507 832 109 67028 79337 00529 ... 90453 48479 55090 832 109 00000	USB	(Danix)
20980	E06	20-11	0700	Thu	507-832/109=67028	USB	(HFD)
4836	E06	20-11	2030	Thu	321-569/20=14259	USB	(HFD)
4836	E06	20-11	2030	Thu	321 569 20 14259 22676 32782 ... 73311 98089 12250 569 20 00000	USB	(Danix)
4836	E06	20-11	2036	Thu	321 (R) 569 569 20 20 14259 22676 32782 ... 73311 98089 12250 569 569 20 20 00000	USB	(AB/MPJ)
19350	E06	21-11	0600	Fri	507 832 109 67028 79337 00529 ... 90453 48479 55090 832 109 00000	USB	(Danix)
20980	E06	21-11	0700	Fri	507 832 109 67028 79337 ... 90453 48479 55090 832 109 00000	USB	(AB)
20980	E06	21-11	0700	Fri	507 832 109 67028 79337 00529 ... 90453 48479 55090 832 109 00000	USB	(Danix)
4760	E06	21-11	2130	Fri	470 613 20 14259 22676 32782 ... 73311 98089 12250 613 20 00000	USB	(AB)
4760	E06	21-11	2130	Fri	472 613 20 14259 22676 32782 ... 73311 98089 12250 613 20 00000	USB	(Danix)
8153	E07	2-11	1800	Sun	184 184 184 000	AM	(MPJ/PPA)
8153	E07	2-11	1800	Sun	184 184 184 000	AM	(Danix)
8153	E07	2-11	1800	Sun	184 0	USB	(HFD)
6853	E07	2-11	1820	Sun	184 0	USB	(HFD)
6853	E07	2-11	1820	Sun	184 184 184 000	AM	(Danix)
7724	E07	3-11	2000	Mon	798 1 rest unreadable	AM	(Danix)
6924	E07	3-11	2020	Mon	798 1 rest unreadable	AM	(Danix)
5824	E07	3-11	2040	Mon	798 1 rest unreadable	AM	(Danix)
8153	E07	5-11	1800	Wed	184 184 184 000	AM	(Danix)
8153	E07	5-11	1800	Wed	124 124 124 000	AM	(MPJ)
6853	E07	5-11	1820	Wed	184 184 184 000	AM	(Danix)
6853	E07	5-11	1820	Wed	184 184 184 000	AM	(MPJ)
7724	E07	5-11	2000	Wed	798 798 798 000	AM	(Danix)
7724	E07	5-11	2000	Wed	_8_ 000. (?) Very weak	AM	(MPJ)
6924	E07	5-11	2020	Wed	898 (?) 000. Very weak	AM	(MPJ)
6924	E07	5-11	2020	Wed	798 798 798 000	AM	(Danix)
6777	E07	6-11	2110	Thu	744 744 744 000	AM	(Danix)
6777	E07	6-11	2110	Thu	744 0	USB	(HFD)
5449	E07	6-11	2130	Thu	744 744 744 000	AM	(Danix)
5447	E07	6-11	2131	Thu	744 0	USB	(HFD)
8153	E07	9-11	1800	Sun	184 184 184 000	AM	(Danix)
8153	E07	9-11	1800	Sun	184 184 184 000	AM	(MPJ)
6853	E07	9-11	1820	Sun	184 184 184 000	AM	(Danix)
6853	E07	9-11	1820	Sun	184 184 184 000	AM	(MPJ)
7724	E07	10-11	2000	Mon	798 1 877 51 41892 15222 15032 ... 52802 04198 000	AM	(GHn/MPJ)
7724	E07	10-11	2000	Mon	798 1-877/51=41893	USB	(HFD)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
6924	E07	10-11	2020	Mon	798 1	USB	(HFD)
6924	E07	10-11	2020	Mon	798 1 877 51 41892 15222 15032 ... 52802 04198 000	AM	(GHn/MPJ)
5824	E07	10-11	2040	Mon	798 1 877 51 41892 15222 15032 ... 52802 04198 000	AM	(GHn/MPJ)
5824	E07	10-11	2040	Mon	798 1	USB	(HFD)
8153	E07	12-11	1800	Wed	184 184 184 000	AM	(Danix)
6853	E07	12-11	1820	Wed	184 184 184 000	AM	(Danix)
7724	E07	12-11	2000	Wed	798 1 rest unreadable	AM	(Danix)
6924	E07	12-11	2020	Wed	798 1 rest unreadable	AM	(Danix)
5824	E07	12-11	2040	Wed	798 1 rest unreadable	AM	(Danix)
6777	E07	13-11	2110	Thu	744 744 744 000	AM	(Danix)
5449	E07	13-11	2130	Thu	744 744 744 000	AM	(Danix)
8153	E07	16-11	1800	Sun	184 1 282 158 rest unreadable	AM	(Danix)
6853	E07	16-11	1820	Sun	184 1 282 158 34140 29122 07995 72327 09_81 ... 97679 05991 98396 67261 32088 000 000	AM	(MPJ/VH)
6853	E07	16-11	1820	Sun	184 1 282 158 rest unreadable	AM	(Danix)
5453	E07	16-11	1840	Sun	184 1 282 158 rest unreadable	AM	(Danix)
5453	E07	16-11	1840	Sun	184 1 282 158 34140 29122 07995 72327 09_81 ... 97679 05991 98396 67261 32088 000 000	AM	(MPJ/VH)
8153	E07	19-11	1800	Wed	184 1 282 158 rest unreadable	AM	(Danix)
6853	E07	19-11	1820	Wed	184 1 282 158 rest unreadable	AM	(Danix)
5453	E07	19-11	1840	Wed	184 1 282 158 rest unreadable	AM	(Danix)
7724	E07	19-11	2000	Wed	798 798 798 000	AM	(Danix)
6924	E07	19-11	2020	Wed	798 798 798 000	AM	(Danix)
6777	E07	20-11	2110	Thu	744 744 744 000	AM	(Danix)
5449	E07	20-11	2130	Thu	744 744 744 000	AM	(Danix)
8153	E07	23-11	1800	Sun	184 184 184 000	AM	(Danix)
6853	E07	23-11	1820	Sun	184 184 184 000	AM	(Danix)
7724	E07	24-11	2000	Mon	798 798 798 000	AM	(Danix)
6924	E07	24-11	2020	Mon	798 798 798 000	AM	(Danix)
8153	E07	26-11	1800	Wed	584 584 584 000	AM	(MPJ)
6853	E07	26-11	1820	Wed	184 184 9184 000	AM	(MPJ)
6853	E07	30-11	1820	Sun	184 1 214 116 35480 0907_ 92091 88250 33374 ... 78430 75831 29407 59632 25548 000 000	AM	(MPJ)
5453	E07	30-11	1840	Sun	184 1 214 116 35480 0907_ 92091 88250 33374 ... 78430 75831 29407 59632 25548 000 000	AM	(MPJ)
11553	E07a	1-11	0900	Sat	515 515 515 000	USB	(AB)
11553	E07a	1-11	0900	Sat	515 515 515 000	USB	(Danix)
12153	E07a	1-11	0920	Sat	515 515 515 000	USB	(Danix)
12153	E07a	1-11	0920	Sat	515 515 515 000	USB	(AB)
5864	E07a	5-11	2100	Wed	815 0	USB	(HFD)
5864	E07a	5-11	2100	Wed	815 815 815 000	USB	(Danix)
5164	E07a	5-11	2120	Wed	815 815 815 000	USB	(Danix)
5164	E07a	5-11	2120	Wed	815 0	USB	(HFD)
5146	E07a	6-11	0530	Thu	188 000	USB	(Danix)
5146	E07a	6-11	0530	Thu	188 0	USB	(HFD)
5846	E07a	6-11	0550	Thu	188 000	USB	(Danix)
5846	E07a	6-11	0550	Thu	188 0	USB	(HFD)
8138	E07a	7-11	1610	Fri	158 000	USB	(Danix)
7538	E07a	7-11	1630	Fri	158 000	USB	(Danix)
11553	E07a	8-11	0900	Sat	515 0	USB	(HFD)
11553	E07a	8-11	0900	Sat	515 515 515 000	USB	(Danix)
12153	E07a	8-11	0920	Sat	515 0	USB	(HFD)
12153	E07a	8-11	0920	Sat	515 515 515 000	USB	(Danix)
5864	E07a	12-11	2100	Wed	815 1 13723 1105 97	USB	(Danix)
5864	E07a	12-11	2100	Wed	815 1 13723 1105 97 58521 76432 67210 ... 59232 50777 00844 000	USB	(GHn)
5164	E07a	12-11	2120	Wed	815 1 13723 1105 97	USB	(Danix)
4564	E07a	12-11	2140	Wed	815 1 13723 1105 97	USB	(Danix)
5146	E07a	13-11	0530	Thu	188 1 13723 1105 97	USB	(Danix)
5846	E07a	13-11	0550	Thu	188 1 13723 1105 97	USB	(Danix)
6846	E07a	13-11	0610	Thu	188 1 13723 1105 97	USB	(Danix)
8138	E07a	14-11	1610	Fri	158 1 69682 3947 73	USB	(Danix)
8138	E07a	14-11	1610	Fri	158 1-69682-3947/ 73=33092	USB	(HFD)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
8138	E07a	14-11	1610	Fri	158 1 69682. 3947 73. 33092 08214 00832 99856 74524 ... 88855 32177 75574 13243 32417 000 000	USB	(MPJ)
7538	E07a	14-11	1630	Fri	158 1 69682 3947 73	USB	(Danix)
7538	E07a	14-11	1630	Fri	158 1 69682. 3947 73. 33092 08214 00832 99856 74524 ... 88855 32177 75574 13243 32417 000 000	USB	(MPJ)
7538	E07a	14-11	1630	Fri	158 1-69682	USB	(HFD)
6838	E07a	14-11	1650	Fri	158 1 69682. 3947 73. 33092 08214 00832 99856 74524 ... 88855 32177 75574 13243 32417 000 000	USB	(MPJ)
6838	E07a	14-11	1650	Fri	158 1-69682	USB	(HFD)
6838	E07a	14-11	1650	Fri	158 1 69682 3947 73	USB	(Danix)
11553	E07a	15-11	0900	Sat	515 1 69682 3947 73	USB	(Danix)
12153	E07a	15-11	0920	Sat	515 1 69682 3947 73	USB	(Danix)
13553	E07a	15-11	0940	Sat	515 1 69682 3947 73	USB	(Danix)
5864	E07a	19-11	2100	Wed	815 1 67077 6676 89	USB	(Danix)
5864	E07a	19-11	2100	Wed	815 815 815 1 67077 6676 89 6676 89 52146 76504 66823 ... 85115 80507 44504 000 000	USB	(AB)
5164	E07a	19-11	2120	Wed	815 1 67077 6676 89	USB	(Danix)
5164	E07a	19-11	2120	Wed	815 815 815 1 67077 6676 89 6676 89 52146 76504 66823 ... 85115 80507 44504 000 000	USB	(AB)
4564	E07a	19-11	2140	Wed	815 815 815 1 67077 6676 89 6676 89 52146 76504 66823 ... 85115 80507 44504 000 000	USB	(AB)
4564	E07a	19-11	2140	Wed	815 1 67077 6676 89	USB	(Danix)
5146	E07a	20-11	0530	Thu	188 1 67077 6676 89	USB	(Danix)
5846	E07a	20-11	0550	Thu	188 1 67077 6676 89	USB	(Danix)
6846	E07a	20-11	0610	Thu	188 1 67077 6676 89	USB	(Danix)
8138	E07a	21-11	1610	Fri	158 158 158 000	USB	(Danix)
7538	E07a	21-11	1630	Fri	158 158 158 000	USB	(Danix)
11553	E07a	22-11	0900	Sat	515 515 515 000	USB	(VH)
11553	E07a	22-11	0900	Sat	515 515 515 000	USB	(Danix)
12153	E07a	22-11	0920	Sat	515 515 515 000	USB	(VH)
12153	E07a	22-11	0920	Sat	515 515 515 000	USB	(Danix)
5864	E07a	26-11	2100	Wed	815 815 815 000	USB	(Danix)
5164	E07a	26-11	2120	Wed	815 815 815 000	USB	(GHn)
5164	E07a	26-11	2120	Wed	815 815 815 000	USB	(Danix)
5146	E07a	27-11	0530	Thu	188 188 188 000	USB	(Danix)
5846	E07a	27-11	0550	Thu	188 188 188 000	USB	(Danix)
8138	E07a	28-11	1610	Fri	158 158 158 000	USB	(MPJ)
8138	E07a	28-11	1610	Fri	158 158 158 000	USB	(GHn)
8138	E07a	28-11	1610	Fri	158 158 158 000	USB	(Danix)
7538	E07a	28-11	1630	Fri	158 158 158 000	USB	(MPJ)
7538	E07a	28-11	1630	Fri	158 158 158 000	USB	(Danix)
11553	E07a	29-11	0900	Sat	515 515 515 000	USB	(Danix)
12153	E07a	29-11	0920	Sat	515 515 515 000	USB	(Danix)
4441	E11	1-11	0900	Sat	248/00	USB	(Danix)
4441	E11	1-11	1445	Sat	287/00	USB	(HFD)
4441	E11	1-11	1445	Sat	287/00	USB	(Danix)
4441	E11	1-11	1445	Sat	287/00	USB	(AB)
9443	E11	1-11	1705	Sat	392/00	USB	(HFD)
9443	E11	1-11	1705	Sat	392/00	USB	(Danix)
10429	E11	2-11	0805	Sun	311/00	USB	(Danix)
15632	E11	2-11	1540	Sun	228/00	USB	(Danix)
15632	E11	2-11	1540	Sun	228/00	USB	(HFD)
15632	E11	2-11	1540	Sun	228/00	USB	(MPJ)
5082	E11	3-11	0450	Mon	416/00	USB	(HFD)
5082	E11	3-11	0450	Mon	416/00	USB	(Danix)
10213	E11	3-11	0745	Mon	262/00	USB	(Danix)
10125	E11	3-11	0820	Mon	438/00	USB	(Danix)
9446	E11	3-11	0830	Mon	649/00	USB	(Danix)
9446	E11	3-11	0830	Mon	649/00	USB	(HFD)
9446	E11	3-11	0900	Mon	534/00	USB	(HFD)
9446	E11	3-11	0900	Mon	534/00	USB	(AB)
9446	E11	3-11	0900	Mon	534/00	USB	(Danix)
7840	E11	4-11	0645	Tue	517/00	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
7840	E11	4-11	0645	Tue	517/00	USB	(HFD)
10800	E11	4-11	0710	Tue	633/00	USB	(HFD)
10800	E11	4-11	0710	Tue	633/00	USB	(Danix)
16112	E11	4-11	0745	Tue	335/00	USB	(HFD)
16112	E11	4-11	0745	Tue	335/00	USB	(Danix)
8091	E11	4-11	1045	Tue	469/00	USB	(Danix)
8091	E11	4-11	1045	Tue	469/00	USB	(HFD)
18030	E11	4-11	1300	Tue	133/00	USB	(Danix)
5779	E11	5-11	0315	Wed	253/00	USB	(Danix)
10429	E11	5-11	0805	Wed	311/00	USB	(Danix)
9446	E11	5-11	0900	Wed	534/00	USB	(Danix)
8091	E11	5-11	1045	Wed	469/00	USB	(Danix)
15632	E11	5-11	1155	Wed	718/00	USB	(Danix)
15632	E11	5-11	1155	Wed	718/00	USB	(HFD)
18030	E11	5-11	1300	Wed	133/00	USB	(Danix)
4441	E11	5-11	1445	Wed	287/00	USB	(Danix)
9443	E11	5-11	1705	Wed	392/00	USB	(MPJ)
9443	E11	5-11	1705	Wed	392/00	USB	(Danix)
5779	E11	6-11	0315	Thu	253/00	USB	(Danix)
7840	E11	6-11	0645	Thu	517/00	USB	(HFD)
7840	E11	6-11	0645	Thu	517/00	USB	(Danix)
16112	E11	6-11	0745	Thu	335/00	USB	(Danix)
10125	E11	6-11	0820	Thu	438/00	USB	(Danix)
15632	E11	6-11	1155	Thu	718/00	USB	(Danix)
5409	E11	6-11	1530	Thu	262/00	USB	(Danix)
5082	E11	6-11	1730	Thu	416/00	USB	(HFD)
5082	E11	6-11	1730	Thu	416/00	USB	(Danix)
5082	E11	6-11	1730	Thu	416/00	USB	(MPJ)
10800	E11	7-11	0710	Fri	633/00	USB	(Danix)
9446	E11	7-11	0830	Fri	649/00	USB	(AB)
9446	E11	7-11	0830	Fri	649/00	USB	(Danix)
4441	E11	8-11	1445	Sat	287/00	USB	(Danix)
9443	E11	8-11	1705	Sat	392/00	USB	(Danix)
10429	E11	9-11	0805	Sun	311/00	USB	(Danix)
10125	E11	10-11	0820	Mon	438/00	USB	(Danix)
10125	E11	10-11	0820	Mon	438/00	USB	(AB)
9446	E11	10-11	0830	Mon	649/00	USB	(Danix)
9446	E11	10-11	0830	Mon	649/00	USB	(AB)
9446	E11	10-11	0900	Mon	534/00	USB	(AB)
9446	E11	10-11	0900	Mon	534/00	USB	(Danix)
15632	E11	10-11	1540	Mon	228/00	USB	(VH/MPJ)
15632	E11	10-11	1540	Mon	228/00	USB	(Danix)
7840	E11	11-11	0645	Tue	517/00	USB	(Danix)
16112	E11	11-11	0745	Tue	335/00	USB	(AB)
16112	E11	11-11	0745	Tue	335/00	USB	(Danix)
12153	E11	11-11	1045	Tue	576/00	USB	(AB)
8091	E11	11-11	1045	Tue	469/00	USB	(Danix)
12153	E11	11-11	1045	Tue	576/00	USB	(Danix)
5779	E11	12-11	0315	Wed	253/00	USB	(Danix)
10429	E11	12-11	0805	Wed	311/00	USB	(Danix)
9446	E11	12-11	0900	Wed	534/00	USB	(Danix)
9950	E11	12-11	0930	Wed	270/00	USB	(Danix)
8091	E11	12-11	1045	Wed	469/00	USB	(Danix)
8091	E11	12-11	1045	Wed	469/00	USB	(AB)
15632	E11	12-11	1155	Wed	718/00	USB	(Danix)
4441	E11	12-11	1445	Wed	287/00	USB	(Danix)
5779	E11	13-11	0315	Thu	253/00	USB	(Danix)
7840	E11	13-11	0645	Thu	517/00	USB	(Danix)
16112	E11	13-11	0745	Thu	335/00	USB	(Danix)
10125	E11	13-11	0820	Thu	438/00	USB	(AB)
10125	E11	13-11	0820	Thu	438/00	USB	(Danix)
4441	E11	13-11	0900	Thu	248/00	USB	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4441	E11	13-11	0900	Thu	248/00	USB	(Danix)
9950	E11	13-11	0930	Thu	270/00	USB	(Danix)
15632	E11	13-11	1155	Thu	718/00	USB	(Danix)
9446	E11	14-11	0830	Fri	649/00	USB	(Danix)
9446	E11	14-11	0830	Fri	649/00	USB	(AB)
6304	E11	14-11	2000	Fri	576/00	USB	(Danix)
6304	E11	14-11	2000	Fri	576/00	USB	(HFD)
6304	E11	14-11	2000	Fri	578/00	USB	(MPJ)
4441	E11	15-11	0900	Sat	248/00	USB	(Danix)
4441	E11	15-11	1445	Sat	287/00	USB	(Danix)
11107	E11	15-11	2005	Sat	363/00	USB	(Danix)
10429	E11	16-11	0805	Sun	311/00	USB	(Danix)
10429	E11	16-11	0805	Sun	311/00	USB	(AB)
15632	E11	16-11	1540	Sun	228/00	USB	(MPJ/GHn/VH)
15632	E11	16-11	1540	Sun	228/00	USB	(Danix)
11107	E11	16-11	2005	Sun	363/00	USB	(Danix)
5082	E11	17-11	0450	Mon	416/00	USB	(Danix)
10213	E11	17-11	0745	Mon	262/00	USB	(AB)
10213	E11	17-11	0745	Mon	262/00	USB	(Danix)
9446	E11	17-11	0830	Mon	649/00	USB	(Danix)
9446	E11	17-11	0830	Mon	649/00	USB	(AB)
15632	E11	17-11	1540	Mon	228/00	USB	(Danix)
7840	E11	18-11	0645	Tue	517/00	USB	(AB)
7840	E11	18-11	0645	Tue	517/00	USB	(Danix)
10800	E11	18-11	0710	Tue	633/00	USB	(AB)
10800	E11	18-11	0710	Tue	633/00	USB	(Danix)
12153	E11	18-11	1045	Tue	576/00	USB	(Danix)
8091	E11	18-11	1045	Tue	469/00	USB	(Danix)
8091	E11	18-11	1045	Tue	469/00	USB	(MPJ)
18030	E11	18-11	1300	Tue	133/00	USB	(AB)
18030	E11	18-11	1300	Tue	133/00	USB	(Danix)
5779	E11	19-11	0315	Wed	253/00	USB	(Danix)
9950	E11	19-11	0930	Wed	270/00	USB	(Danix)
8091	E11	19-11	1045	Wed	469/00	USB	(Danix)
18030	E11	19-11	1300	Wed	133/00	USB	(AB)
18030	E11	19-11	1300	Wed	133/00	USB	(Danix)
9443	E11	19-11	1705	Wed	392/00	USB	(Danix)
5779	E11	20-11	0315	Thu	253/00	USB	(Danix)
7840	E11	20-11	0645	Thu	517/00	USB	(Danix)
4441	E11	20-11	0900	Thu	248/00	USB	(Danix)
9950	E11	20-11	0930	Thu	270/00	USB	(Danix)
5409	E11	20-11	1530	Thu	262/00	USB	(MPJ)
5409	E11	20-11	1530	Thu	262/00	USB	(Danix)
5082	E11	20-11	1730	Thu	416/00	USB	(Danix)
5082	E11	20-11	1730	Thu	416/00	USB	(AB/MPJ)
10800	E11	21-11	0710	Fri	633/00	USB	(Danix)
9446	E11	21-11	0830	Fri	649/00	USB	(Danix)
9446	E11	21-11	0830	Fri	649/00	USB	(AB)
6304	E11	21-11	2000	Fri	576/00	USB	(Danix)
4441	E11	22-11	0900	Sat	248/00	USB	(Danix)
9443	E11	22-11	1705	Sat	392/00	USB	(Danix)
9443	E11	22-11	1705	Sat	392/00	USB	(MPJ)
11107	E11	22-11	2005	Sat	363/00	USB	(Danix)
10213	E11	23-11	0745	Sun	262/00	USB	(Danix)
15632	E11	23-11	1540	Sun	228/00	USB	(Danix)
11107	E11	23-11	2005	Sun	363/00	USB	(Danix)
5082	E11	24-11	0450	Mon	416/00	USB	(Danix)
10213	E11	24-11	0745	Mon	262/00	USB	(VH)
10125	E11	24-11	0820	Mon	438/00	USB	(VH)
10125	E11	24-11	0820	Mon	438/00	USB	(Danix)
9446	E11	24-11	0900	Mon	534/00	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
9446	E11	24-11	0900	Mon	534/00	USB	(VH)
15632	E11	24-11	1540	Mon	228/00	USB	(Danix)
10800	E11	25-11	0710	Tue	633/00	USB	(AB)
10800	E11	25-11	0710	Tue	633/00	USB	(Danix)
16112	E11	25-11	0745	Tue	335/00	USB	(Danix)
12153	E11	25-11	1045	Tue	576/00	USB	(Danix)
18030	E11	25-11	1300	Tue	133/00	USB	(HFD)
18030	E11	25-11	1300	Tue	133/00	USB	(Danix)
10429	E11	26-11	0805	Wed	311/00	USB	(AB)
10429	E11	26-11	0805	Wed	311/00	USB	(Danix)
9446	E11	26-11	0900	Wed	534/00	USB	(Danix)
9950	E11	26-11	0930	Wed	270/00	USB	(Danix)
15632	E11	26-11	1155	Wed	718/00	USB	(Danix)
15632	E11	26-11	1155	Wed	718/00	USB	(MPJ)
18030	E11	26-11	1300	Wed	133/00	USB	(Danix)
18030	E11	26-11	1300	Wed	133/00	USB	(HFD)
18030	E11	26-11	1300	Wed	133/00	USB	(MPJ)
4441	E11	26-11	1445	Wed	287/00	USB	(Danix)
9443	E11	26-11	1705	Wed	392/00	USB	(Danix)
16112	E11	27-11	0745	Thu	335/00	USB	(Danix)
10125	E11	27-11	0820	Thu	438/00	USB	(Danix)
10125	E11	27-11	0820	Thu	438/00	USB	(HFD)
4441	E11	27-11	0900	Thu	248/00	USB	(Danix)
9950	E11	27-11	0930	Thu	270/00	USB	(Danix)
15632	E11	27-11	1155	Thu	718/00	USB	(Danix)
5409	E11	27-11	1530	Thu	262/00	USB	(Danix)
5082	E11	27-11	1730	Thu	416/00	USB	(Danix)
10800	E11	28-11	0710	Fri	633/00	USB	(Danix)
6304	E11	28-11	2000	Fri	576/00	USB	(MPJ)
6304	E11	28-11	2000	Fri	576/00	USB	(GHn)
6304	E11	28-11	2000	Fri	576/00	USB	(Danix)
4441	E11	29-11	0900	Sat	248/00	USB	(Danix)
4441	E11	29-11	1445	Sat	287/00	USB	(Danix)
9443	E11	29-11	1705	Sat	392/00	USB	(Danix)
11107	E11	29-11	2005	Sat	363/00	USB	(Danix)
10429	E11	30-11	0805	Sun	311/00	USB	(Danix)
15632	E11	30-11	1540	Sun	228/00	USB	(Danix)
11107	E11	30-11	2005	Sun	363/00	USB	(Danix)
10690	E11a	1-11	1400	Sat	982/10=48839	USB	(HFD)
10690	E11a	1-11	1400	Sat	982/10 Attention 48839 56330 74502 21921 46140 67669 03010 10184 46267 54440 Attention, rpt msg, out	USB	(AB)
10690	E11a	1-11	1400	Sat	982/10 48839 56330 74502 21921 46140 67669 03010 10184 46267 54440	USB	(Danix)
10213	E11a	1-11	1810	Sat	983/10 88464 03051 33634 36149 53622 89909 08908 39909 61999 63281	USB	(Danix)
10213	E11a	1-11	1810	Sat	983/10=88464	USB	(HFD)
14410	E11a	3-11	1110	Mon	952/33=69182	USB	(HFD)
14410	E11a	3-11	1110	Mon	952/33	USB	(Danix)
14410	E11a	3-11	1110	Mon	952/33 Attention 69182 53976 22061 ... 64402 68275 35773 Attention, rpt msg, out	USB	(AB)
15632	E11a	3-11	1540	Mon	225/31	USB	(Danix)
15632	E11a	3-11	1540	Mon	225/31 Attention 98507 26657 15350 ... 72639 80580 11070 Attention, rpt msg, out	USB	(GHn)
6923	E11a	3-11	1710	Mon	953/30	USB	(Danix)
6923	E11a	3-11	1710	Mon	953/30=66526	USB	(HFD)
12153	E11a	4-11	1045	Tue	571/35	USB	(Danix)
12153	E11a	4-11	1045	Tue	571/35=70419	USB	(HFD)
10690	E11a	4-11	1400	Tue	988/10 Attention 26983 93538 05007 06411 98477 54926 58364 30870 58619 12739	USB	(MPJ)
10213	E11a	4-11	1810	Tue	983/10 Attention 04807 97571 82856 80588 46522 67331 89970 88259 50615 45757	USB	(MPJ)
9950	E11a	5-11	0930	Wed	276/30	USB	(Danix)
9950	E11a	5-11	0930	Wed	273/30=64315	USB	(HFD)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4441	E11a	6-11	0900	Thu	247/31	USB	(Danix)
9950	E11a	6-11	0930	Thu	276/30	USB	(Danix)
14410	E11a	7-11	1110	Fri	952/38=79740	USB	(HFD)
6923	E11a	7-11	1710	Fri	955/25	USB	(Danix)
6304	E11a	7-11	2000	Fri	571/35	USB	(Danix)
4441	E11a	8-11	0900	Sat	247/31	USB	(Danix)
4441	E11a	8-11	0900	Sat	247/31=28757	USB	(HFD)
15632	E11a	9-11	1540	Sun	225/31	USB	(Danix)
15632	E11a	9-11	1540	Sun	228/31 Attention 98507 26657 15350 ... 72639 80580 11070 Attention, rpt msg, out	USB	(GHn)
5082	E11a	10-11	0450	Mon	412/34	USB	(Danix)
10213	E11a	10-11	0745	Mon	262/33 Attention 74496 83422 23189 ... 13261 04316 52368 Attention, rpt msg, out	USB	(AB)
10213	E11a	10-11	0745	Mon	262/33	USB	(Danix)
14410	E11a	10-11	1110	Mon	950/40 Attention 58394 68660 90198 86557 99587 ... 23090 97209 08016 58534 75597	USB	(MPJ)
13455	E11a	11-11	0530	Tue	980/10 rest unreadable	USB	(Danix)
10800	E11a	11-11	0710	Tue	637/31	USB	(Danix)
18030	E11a	11-11	1300	Tue	131/36	USB	(Danix)
18030	E11a	12-11	1300	Wed	131/36	USB	(Danix)
9443	E11a	12-11	1705	Wed	395/34	USB	(Danix)
5409	E11a	13-11	1530	Thu	262/33 Attention 74496 83422 23189 50811 34333 ... 35721 25579 13261 04316 52368	USB	(MPJ)
5409	E11a	13-11	1530	Thu	262/33	USB	(Danix)
5409	E11a	13-11	1530	Thu	262/33=74496	USB	(HFD)
5082	E11a	13-11	1630	Thu	412/34 Attention 49319 29425 50847 81193 88385 ... 50564 78293 04810 23641 49348	USB	(MPJ)
5082	E11a	13-11	1730	Thu	412/34	USB	(Danix)
10800	E11a	14-11	0710	Fri	637/31 Attention 26308 16082 74248 ... 25203 77654 31255 Attention, rpt msg, out	USB	(AB)
10800	E11a	14-11	0710	Fri	637/31	USB	(Danix)
14410	E11a	14-11	1110	Fri	954/32=55944	USB	(HFD)
14410	E11a	14-11	1110	Fri	954/32 Attention 55944 03013 27517 68016 54447 ... 46870 41511 52056 05379 93979	USB	(MPJ)
6923	E11a	14-11	1710	Fri	957/29 Attention 81838 52456 67388 32982 31800 ... 76436 23937 91097 33903 40433	USB	(MPJ)
10690	E11a	15-11	1400	Sat	981/10 40119 46841 03007 07984 09217 71666 12697 94184 23041 63336	USB	(Danix)
10690	E11a	15-11	1400	Sat	981/10 Attention 40119 46841 03007 07984 09217 71666 12697 94184 23041 63336	USB	(MPJ)
9443	E11a	15-11	1705	Sat	395/34 Attention 73359 36007 55552 ... 74037 05427 83777 Attention, rpt msg, out	USB	(VH)
9443	E11a	15-11	1705	Sat	395/34	USB	(Danix)
10213	E11a	15-11	1810	Sat	983/10 Attention 37175 39150 53759 69278 78470 10827 23811 69522 42625 79705	USB	(MPJ)
10125	E11a	17-11	0820	Mon	439/37 Attention 70870 32135 89319 ... 03188 93033 42002 Attention, rpt msg, out	USB	(AB)
10125	E11a	17-11	0820	Mon	439/37	USB	(Danix)
9446	E11a	17-11	0900	Mon	538/30	USB	(Danix)
14410	E11a	17-11	1110	Mon	956/33 Attention 22594 04207 41679 ... 39606 55813 77196 Attention, rpt msg, out	USB	(AB)
16112	E11a	18-11	0745	Tue	330/30 Attention 99484 32081 92565 ... 69244 30925 09613 32104 Attention, rpt msg, out	USB	(AB)
16112	E11a	18-11	0745	Tue	330/30	USB	(Danix)
10690	E11a	18-11	1400	Tue	984/10 Attention 48276 74553 09127 39133 96597 63581 66798 08937 69509 79358	USB	(MPJ)
10213	E11a	18-11	1810	Tue	987/10 Attention 16646 66781 07881 98737 74040 25110 82373 08875 16123 23684	USB	(MPJ)
10429	E11a	19-11	0805	Wed	373/38	USB	(Danix)
10429	E11a	19-11	0805	Wed	373/38 Attention 94282 53820 33856 ... 11510 37560 35349 Attention, rpt msg, out	USB	(AB)
9446	E11a	19-11	0900	Wed	538/30	USB	(Danix)
9446	E11a	19-11	0900	Wed	538/30 Attention 34226 56942 85384 ... 10941 99636 98082 Attention, rpt msg, out	USB	(AB)
15632	E11a	19-11	1155	Wed	716/32	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4441	E11a	19-11	1445	Wed	289/36	USB	(Danix)
16112	E11a	20-11	0745	Thu	330/30	USB	(Danix)
10125	E11a	20-11	0820	Thu	439/37	USB	(Danix)
15632	E11a	20-11	1155	Thu	716/32 Attention 62932 68751 26847 23721 43300 ... 17770 40389 06952 91730 78180	USB	(MPJ)
15632	E11a	20-11	1155	Thu	716/32	USB	(Danix)
6923	E11a	21-11	1710	Fri	953/21 Attention 11711 18384 71492 ... 32679 53838 72933 Attention, rpt msg, out	USB	(AB)
6923	E11a	21-11	1710	Fri	953/21	USB	(Danix)
13455	E11a	22-11	0530	Sat	983/10=90818	USB	(HFD)
10690	E11a	22-11	1400	Sat	988/10 Attention ... 98451 79668 19256 79618 29422 07931 69356 06386 64015 24621	USB	(MPJ/VH)
10690	E11a	22-11	1400	Sat	988/10 98451 79668 19256 79618 29422 07931 69356 06386 64015 24621	USB	(Danix)
4411	E11a	22-11	1445	Sat	289/36 Attention	USB	(VH)
4441	E11a	22-11	1445	Sat	289/36	USB	(Danix)
10213	E11a	22-11	1810	Sat	981/10 Attention 08236 12721 12355 71548 88850 06682 26907 65426 47813 75059	USB	(MPJ)
10429	E11a	23-11	0805	Sun	373/38	USB	(Danix)
10429	E11a	23-11	0809	Sun	i.p.	USB	(AB)
9446	E11a	24-11	0830	Mon	649/38	USB	(Danix)
9446	E11a	24-11	0830	Mon	649/38 ...	USB	(VH)
14410	E11a	24-11	1110	Mon	i.p. 69427 86968 27599 93439 34769 ... 62018 01561 87592 38277 04048	USB	(MPJ)
6923	E11a	24-11	1710	Mon	951/20	USB	(Danix)
6923	E11a	24-11	1710	Mon	951/20 Attention 12403 88647 83667 41028 73773 ... 40277 69496 76621 26340 05776	USB	(MPJ)
7840	E11a	25-11	0645	Tue	515/30 Attention 54663 02165 69199 ... 64680 64433 70939 Attention, rpt msg, out	USB	(AB)
7840	E11a	25-11	0645	Tue	515/30	USB	(Danix)
8091	E11a	25-11	1045	Tue	469/35	USB	(Danix)
8091	E11a	26-11	1045	Wed	469/35	USB	(Danix)
8091	E11a	26-11	1045	Wed	469/35 Attention 52966 69926 90963 54758 46794 ... 54083 91075 26014 24595 12301	USB	(MPJ)
5779	E11a	27-11	0315	Thu	258/32=03685	USB	(HFD)
5779	E11a	27-11	0315	Thu	258/32	USB	(Danix)
7840	E11a	27-11	0645	Thu	515/30	USB	(Danix)
9446	E11a	28-11	0830	Fri	649/38	USB	(Danix)
9446	E11a	28-11	0835	Fri	i.p.	USB	(AB)
6923	E11a	28-11	1710	Fri	951/20	USB	(Danix)
6923	E11a	28-11	1710	Fri	951/20 Attention 56839 53295 96744 ... 13021 38194 85776 Attention, rpt msg, out	USB	(GHn)
6923	E11a	28-11	1710	Fri	951/20 56839 53295 96744 37586 42398 ... 02925 13021 38194 85776	USB	(MPJ)
11170	E17z	6-11	0800	Thu	674 890 5 53516 25616 56069 96813 14199	USB	(Danix)
11170	E17z	6-11	0800	Thu	674-890/5=53516	USB	(HFD)
9820	E17z	6-11	0810	Thu	674 890 5 53516 25616 56069 96813 14199	USB	(Danix)
9820	E17z	6-11	0810	Thu	674	USB	(HFD)
8100	E17z	13-11	0705	Thu	274 (R) 891 891 ?0 ?0 4 achtung(?) 6 46062 46062 864 Followed by what sounded like a phone conversation.	USB	(Danix)
11170	E17z	13-11	0800	Thu	674 890 5 53516 25616 56069 96813 14199	USB	(Danix)
9820	E17z	13-11	0810	Thu	674 890 5 53516 25616 56069 96813 14199	USB	(Danix)
10240	E17z	15-11	1530	Sat	274 (R) 958 958 30 30 33796 13577 74526 ... problems, into live txm (see N&O 206)	USB	(Danix)
11170	E17z	20-11	0800	Thu	674 892 5 26190 46164 20137 11687 34868	USB	(Danix)
9820	E17z	20-11	0810	Thu	674 892 5 26190 46164 20137 11687 34868	USB	(Danix)
11170	E17z	27-11	0800	Thu	674 892 5 26190 46164 20137 11687 34868	USB	(Danix)
9820	E17z	27-11	0810	Thu	674 892 5 26190 46164 20137 11687 34868	USB	(Danix)
16023.7	EGY	3-11	1232	Mon	MFA Cairo clg Egyptian embassy Berlin "yfdsg"	SITOR-A 100/170	(MCO)
16022	EGY	3-11	1233	Mon	MFA Cairo (99911) wkg Egyptian embassy Berlin (11104)	Codan 80bd Chirp	(MCO)
12331.7	EGY	4-11	2020	Tue	MFA Cairo clg IPTX Egyptian embassy Havana	SITOR-A 100/170	(PPA)
11033	EGY	4-11	2110	Tue	MFA Cairo clg IPTX Egyptian embassy Havana	SITOR-A 100/170	(AAI)
14446	EGY	7-11	1502	Fri	MFA Cairo clg KKVI embassy Dar es Salaam	SITOR-A 100/170	(AAI)
25014.7	EGY	11-11	0959	Tue	MFA Cairo clg KKXE embassy Luanda	SITOR 100/170	(LG2)
14650	EGY	26-11	1340	Wed	MFA Cairo clg OOVc embassy New Delhi + CODAN-9001 data	SITOR-A 100/170	(AAI)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5463	G06	3-11	0800	Mon	215 00000	USB	(Danix)
3635	G06	3-11	1700	Mon	367 0	USB	(HFD)
3635	G06	3-11	1700	Mon	367 00000	USB	(Danix)
4538	G06	3-11	1800	Mon	367 367 367 00000. Ends with 367 367 367 00000 00000	H3E	(Avare)
4538	G06	3-11	1800	Mon	367 0	USB	(HFD)
4538	G06	3-11	1800	Mon	367 00000	USB	(Danix)
4557	G06	5-11	1200	Wed	367 00000	USB	(Danix)
4024	G06	6-11	1300	Thu	215 00000	USB	(Danix)
7844	G06	7-11	2000	Fri	167 00000 w/ S06 leaking from 7971 kHz	USB	(Danix)
5769	G06	7-11	2100	Fri	167 00000	USB	(Danix)
5463	G06	10-11	0800	Mon	315 315 315 00000	USB	(AB)
5463	G06	10-11	0800	Mon	215 00000	USB	(Danix)
3635	G06	10-11	1700	Mon	367 00000	USB	(Danix)
3635	G06	10-11	1700	Mon	367 367 367 00000	AM	(MPJ)
3635	G06	10-11	1700	Mon	367 0	USB	(HFD)
4538	G06	10-11	1800	Mon	367 367 367 00000	AM	(VH)
4538	G06	10-11	1800	Mon	367 00000	USB	(Danix)
4538	G06	10-11	1800	Mon	367 0	USB	(HFD)
4557	G06	12-11	1200	Wed	367 00000	USB	(Danix)
4024	G06	13-11	1300	Thu	215 00000	USB	(Danix)
4519	G06	13-11	1830	Thu	271 394 20 06132 75514 79681 ... 49870 63962 04884 394 20 00000	USB	(AB)
4792	G06	14-11	1930	Fri	436-701/20=37839	USB	(HFD)
4792	G06	14-11	1930	Fri	436 701 20 37839 35787 98273 60187 16200 ... 34820 04840 60491 75924 04594 701 20 00000	USB	(MPJ)
5463	G06	17-11	0800	Mon	215 00000	USB	(Danix)
5463	G06	17-11	0800	Mon	215 0	USB	(HFD)
5463	G06	17-11	0800	Mon	215 215 215 00000	USB	(AB)
4024	G06	20-11	1300	Thu	215 00000	USB	(Danix)
7844	G06	21-11	2000	Fri	167 0	USB	(HFD)
7844	G06	21-11	2000	Fri	167 00000 w/ S06 leaking from 7971 kHz	USB	(Danix)
5769	G06	21-11	2100	Fri	167 0	USB	(HFD)
5768	G06	21-11	2100	Fri	167 00000 w/ S06 leaking from 5909 kHz	USB	(Danix)
5463	G06	24-11	0800	Mon	215 00000	USB	(Danix)
5463	G06	24-11	0800	Mon	215 215 215 00000	USB	(VH)
4024	G06	27-11	1300	Thu	215 00000	USB	(Danix)
4519	G06	27-11	1829	Thu	271-394/20=06132	USB	(HFD)
4519	G06	27-11	1830	Thu	271 394 20 25132 75514 79681 ... 49872 63962 04884 394 394 20 20 00000	AM	(GHn)
4792	G06	28-11	1930	Fri	436 701 701 00 00 37839 35787 98273 60187 16202 ... 34820 04842 60491 75924 04594 701 701 00 00 00000	USB	(MPJ)
11435	HM01	1-11	1616	Sat	17348 64307 75721 77846 17611 43048	AM/RDFT	(DSch)
11530	HM01	1-11	1700	Sat	17348 64307 75721 77846 17611 43048	AM/RDFT	(DSch)
11635	HM01	1-11	1800	Sat	17348 64307 75721 77846 17611 43048	AM/RDFT	(DSch)
16180	HM01	1-11	2100	Sat	17348 64307 75721 77846 17611 43048	AM/RDFT	(DSch)
17480	HM01	1-11	2200	Sat	17348 64307 75721 77846 17611 43048	AM/RDFT	(DSch)
11435	HM01	4-11	1606	Tue	07762 21562 75724 77849 17613 12311	AM/RDFT	(DSch)
11530	HM01	4-11	1702	Tue	07762 21562 75724 77849 17613 12311	AM/RDFT	(DSch)
11635	HM01	4-11	1800	Tue	07762 21562 75724 77849 17613 12311	AM/RDFT	(DSch)
16180	HM01	4-11	2100	Tue	02317 66366 53230 01606 50279 72827	AM/RDFT	(DSch)
17480	HM01	4-11	2157	Tue	02317 66366 53230 01606 50279 72827	AM/RDFT	(DSch)
11435	HM01	5-11	1604	Wed	02318 66367 53231 01607 36411 43681	AM/RDFT	(DSch)
11530	HM01	5-11	1700	Wed	02318 66367 53231 01607 36411 43681	AM/RDFT	(DSch)
11635	HM01	5-11	1836	Wed	02318 66367 53231 01607 36411 43681	AM/RDFT	(DSch)
11635	HM01	5-11	2100	Wed	02318 66367 53231 01607 36411 43681	AM/RDFT	(DSch)
10715	HM01	5-11	2200	Wed	02318 66367 53231 01607 36411 43681	AM/RDFT	(DSch/Dan)
11530	HM01	6-11	1746	Thu	67501 66368 53232 01608 36411 43681	AM/RDFT	(DSch)
11635	HM01	6-11	1814	Thu	67501 66368 53232 01608 36411 43681	AM/RDFT	(DSch)
16180	HM01	6-11	2100	Thu	67501 66368 53232 01608 36411 43681	AM/RDFT	(DSch)
17480	HM01	6-11	2215	Thu	67501 66368 53232 01608 36411 43681	AM/RDFT	(DSch)
9155	HM01	7-11	1000	Fri	67501 66368 53232 01608 36411 43681	AM/RDFT	(AB)
11435	HM01	7-11	1609	Fri	67502 22741 53234 38221 36413 43683	AM/RDFT	(DSch)
11530	HM01	7-11	1700	Fri	67502 22741 53234 38221 36413 43683	AM/RDFT	(DSch)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
11635	HM01	7-11	1801	Fri	67502 22741 53234 38221 36413 43683	AM/RDFT	(DSch)
11635	HM01	7-11	2102	Fri	67502 22741 53234 38221 36413 43683	AM/RDFT	(DSch)
10715	HM01	7-11	2200	Fri	67502 22741 53234 38221 36413 43683	AM/RDFT	(DSch)
11435	HM01	8-11	1652	Sat	67503 22742 53235 38222 36414 43684	AM/RDFT	(DSch)
11530	HM01	8-11	1700	Sat	67503 22742 53235 38222 36414 43684	AM/RDFT	(DSch)
11635	HM01	8-11	1801	Sat	67503 22742 53235 38222 36414 43684	AM/RDFT	(DSch)
16180	HM01	8-11	2108	Sat	67503 22742 53235 38222 36414 43684	AM/RDFT	(DSch)
17480	HM01	8-11	2201	Sat	67503 22742 53235 38222 36414 43684	AM/RDFT	(DSch)
9240	HM01	9-11	0903	Sun	67503 22742 53235 38222 36414 43684	AM/RDFT	(LG2)
11435	HM01	9-11	1600	Sun	67504 22743 53236 38223 36415 43685	AM/RDFT	(DSch)
11530	HM01	9-11	1700	Sun	67504 22743 53236 38223 36415 43685	AM/RDFT	(DSch)
11635	HM01	9-11	1802	Sun	67504 22743 53236 38223 36415 43685	AM/RDFT	(DSch)
11635	HM01	9-11	2101	Sun	67504 22743 53236 38223 36415 43685	AM/RDFT	(DSch)
10345	HM01	10-11	0630	Mon	67504 22743 53236 38223 36415 43685	AM/RDFT	(AB)
9330	HM01	10-11	0700	Mon	67504 22743 53236 38223 36415 43685	AM/RDFT	(AB)
9065	HM01	10-11	0800	Mon	67504 22743 53236 38223 36415 43685	AM/RDFT	(AB)
9240	HM01	10-11	0900	Mon	67504 22743 53236 38223 36415 43685	AM/RDFT	(AB)
11435	HM01	10-11	1631	Mon	67505 22744 53237 38224 36416 43686	AM/RDFT	(DSch)
11530	HM01	10-11	1700	Mon	67505 22744 53237 38224 36416 43686	AM/RDFT	(DSch)
11635	HM01	10-11	1821	Mon	67505 22744 53237 38224 36416 43686	AM/RDFT	(DSch)
11635	HM01	10-11	2100	Mon	67505 22744 53237 38224 36416 43686	AM/RDFT	(DSch)
10715	HM01	10-11	2200	Mon	67505 22744 53237 38224 36416 43686	AM/RDFT	(DSch/Dan)
14345	HM01	11-11	0730	Tue	67505 22744 53237 38224 36416 43686	AM/RDFT	(AB)
14345	HM01	11-11	0800	Tue	67505 22744 53237 38224 36416 43686. Should be on 11635 kHz. Stopped after several minutes. Switched to 11635 kHz at 0830z	AM/RDFT	(AB)
11635	HM01	11-11	0830	Tue	67505 22744 53237 38224 36416 43686	AM/RDFT	(AB)
11462	HM01	11-11	0900	Tue	67505 22744 53237 38224 36416 43686	AM/RDFT	(AB)
12180	HM01	11-11	1000	Tue	67505 22744 53237 38224 36416 43686	AM/RDFT	(AB)
11530	HM01	11-11	1717	Tue	67506 22745 53238 38225 36417 43867	AM/RDFT	(DSch)
11635	HM01	11-11	1816	Tue	67506 22745 53238 38225 36417 43867	AM/RDFT	(DSch)
16180	HM01	11-11	2100	Tue	67506 22745 53238 38225 36417 43867	AM/RDFT	(DSch)
17480	HM01	11-11	2157	Tue	67506 22745 53238 38225 36417 43867	AM/RDFT	(DSch)
11635	HM01	12-11	1801	Wed	67507 22746 53239 38226 36418 43688	AM/RDFT	(DSch)
11635	HM01	12-11	2101	Wed	67507 22746 53239 38226 52440 43688	AM/RDFT	(DSch)
10715	HM01	12-11	2200	Wed	67507 22746 53239 38226 52440 43688	AM/RDFT	(DSch/Dan)
11462	HM01	13-11	0900	Thu	67507 22746 53239 38226 52440 43688	AM/RDFT	(AB)
11530	HM01	13-11	1732	Thu	67508 22747 80781 38227 52441 86781	AM/RDFT	(DSch)
11635	HM01	13-11	1800	Thu	67508 22747 80781 38227 52441 86781	AM/RDFT	(DSch)
16180	HM01	13-11	2103	Thu	67508 22747 80781 38227 52441 86781	AM/RDFT	(DSch)
17480	HM01	13-11	2200	Thu	22747 80781 38227 52441 86781 67508	AM/RDFT	(Dan)
8135	HM01	13-11	2346	Thu	Should be M08a. Instead it sounds like messed up YL/SS followed by very brief bad RDFT	AM/RDFT	(DSch)
11435	HM01	14-11	1604	Fri	67509 22748 80781 87411 52442 86781	AM/RDFT	(DSch)
11635	HM01	14-11	1800	Fri	67509 22748 80781 87411 52442 86781	AM/RDFT	(DSch)
11635	HM01	14-11	2100	Fri	67509 22748 80781 87411 52442 86781	AM/RDFT	(DSch)
10715	HM01	14-11	2200	Fri	22748 80781 87411 52442 86781 67509	AM/RDFT	(Dan)
10715	HM01	14-11	2208	Fri	67509 22748 80781 87411 52442 86781	AM/RDFT	(DSch)
10715	HM01	14-11	2312	Fri	67509 22748 80781 87411 52442 86781. Still sending from 2200 sked	AM/RDFT	(DSch)
11435	HM01	15-11	1603	Sat	60751 22749 80782 87411 52443 86782	AM/RDFT	(DSch)
11530	HM01	15-11	1700	Sat	60751 22749 80782 87411 52443 86782	AM/RDFT	(DSch)
11635	HM01	15-11	1806	Sat	60751 22749 80782 87411 52443 86782	AM/RDFT	(DSch)
16180	HM01	15-11	2100	Sat	60751 22749 80782 87411 52443 86782	AM/RDFT	(DSch)
17480	HM01	15-11	2212	Sat	60751 22749 80782 87411 52443 86782	AM/RDFT	(DSch)
10345	HM01	16-11	0600	Sun	60751 22749 80782 87411 52443 86782	AM/RDFT	(AB)
9330	HM01	16-11	0700	Sun	60751 22749 80782 87411 52443 86782	AM/RDFT	(AB)
9065	HM01	16-11	0800	Sun	60751 22749 80782 87411 52443 86782	AM/RDFT	(AB)
9240	HM01	16-11	0900	Sun	60751 22749 80782 87411 52443 86782	AM/RDFT	(AB)
9155	HM01	16-11	1000	Sun	60751 22749 80782 87411 52443 86782	AM/RDFT	(AB)
11435	HM01	16-11	1606	Sun	60751 71601 80783 87412 52444 86783	AM/RDFT	(DSch)
11530	HM01	16-11	1658	Sun	60751 71601 80783 87412 52444 86783	AM/RDFT	(DSch)
11635	HM01	16-11	2058	Sun	60751 71601 80783 87412 52444 86783	AM/RDFT	(DSch)
10715	HM01	16-11	2200	Sun	60751 71601 80783 87412 52444 86783	AM/RDFT	(DSch/Dan)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
8135.9	HM01	16-11	2303	Sun	60751 71601 80783 87412 52444 86783. Should be M08a. Instead it HM01 in LSB	LSB/RDFT	(DSch)
9330	HM01	17-11	0700	Mon	60751 71601 80783 87412 52444 86783	AM/RDFT	(AB)
9065	HM01	17-11	0800	Mon	60751 71601 80783 87412 52444 86783	AM/RDFT	(AB)
11435	HM01	17-11	1606	Mon	60752 71601 80784 87413 52445 86784	AM/RDFT	(DSch/VH)
11530	HM01	17-11	1719	Mon	60752 71601 80784 87413 52445 86784	AM/RDFT	(DSch)
11635	HM01	17-11	1800	Mon	60752 71601 80784 87413 52445 86784	AM/RDFT	(DSch)
11635	HM01	17-11	2100	Mon	60752 71601 80784 87413 52445 86784	AM/RDFT	(DSch)
10715	HM01	17-11	2200	Mon	60752 71601 80784 87413 52445 86784	AM/RDFT	(DSch)
14375	HM01	18-11	0630	Tue	60752 71601 80784 87413 52445 86784	AM/RDFT	(AB)
13435	HM01	18-11	0700	Tue	60752 71601 80784 87413 52445 86784	AM/RDFT	(AB)
11635	HM01	18-11	0800	Tue	60752 71601 80784 87413 52445 86784	AM/RDFT	(AB)
11435	HM01	18-11	1605	Tue	60753 71602 80785 87414 52446 86785	AM/RDFT	(DSch)
11530	HM01	18-11	1702	Tue	60753 71602 80785 87414 52446 86785	AM/RDFT	(DSch)
11635	HM01	18-11	1800	Tue	60753 71602 80785 87414 52446 86785	AM/RDFT	(DSch)
16180	HM01	18-11	2100	Tue	60753 71602 80785 87414 52446 86785	AM/RDFT	(DSch)
17480	HM01	18-11	2200	Tue	60753 71602 80785 87414 52446 86785	AM/RDFT	(DSch/ER)
5855	HM01	19-11	0500	Wed	60753 71602 80785 87414 52446 86785	AM/RDFT	(AB/VH)
10345	HM01	19-11	0630	Wed	60753 71602 80785 87414 52446 86785	AM/RDFT	(AB)
9330	HM01	19-11	0700	Wed	60753 71602 80785 87414 52446 86785	AM/RDFT	(AB)
9065	HM01	19-11	0800	Wed	60753 71602 80785 87414 52446 86785	AM/RDFT	(AB)
9240	HM01	19-11	0900	Wed	60753 71602 80785 87414 52446 86785	AM/RDFT	(AB)
9155	HM01	19-11	1000	Wed	60753 71602 80785 87414 52446 86785	AM/RDFT	(AB)
11530	HM01	19-11	1719	Wed	60754 71603 80786 87415 52447 86786	AM/RDFT	(DSch)
11635	HM01	19-11	1811	Wed	60754 71603 80786 87415 52447 86786	AM/RDFT	(DSch)
10715	HM01	19-11	2200	Wed	60754 71603 80786 89860 52447 86786	AM/RDFT	(Dan)
8008.8	HM01	19-11	2313	Wed	60754 71603 80786 87415 52447 86786. Should have been M08a	AM/RDFT	(DSch)
11435	HM01	20-11	1612	Thu	60755 71604 80787 89861 52448 86787	AM/RDFT	(DSch)
11530	HM01	20-11	1731	Thu	60755 71604 80787 89861 52448 86787	AM/RDFT	(DSch)
11635	HM01	20-11	1800	Thu	60755 71604 80787 89861 52448 86787	AM/RDFT	(DSch)
16180	HM01	20-11	2100	Thu	60755 71604 80787 89861 52448 86787	AM/RDFT	(DSch)
17480	HM01	20-11	2200	Thu	60755 71604 80787 89861 52448 86787	AM/RDFT	(Dan/DSch)
9330	HM01	21-11	0700	Fri	60755 71604 80787 89861 52448 86787	AM/RDFT	(AB)
9065	HM01	21-11	0800	Fri	60755 71604 80787 89861 52448 86787	AM/RDFT	(AB)
11435	HM01	21-11	1619	Fri	60756 71605 80788 89862 05561 86788	AM/RDFT	(DSch)
11530	HM01	21-11	1704	Fri	60756 71605 80788 89862 05561 86788	AM/RDFT	(DSch)
11635	HM01	21-11	1800	Fri	60756 71605 80788 89862 05561 86788	AM/RDFT	(DSch)
11635	HM01	21-11	2100	Fri	60756 71605 80788 89862 05561 86788	AM/RDFT	(DSch)
10715	HM01	21-11	2200	Fri	71605 80788 89862 05561 86788 60756	AM/RDFT	(Dan)
10715	HM01	21-11	2200	Fri	60756 71605 80788 89862 05561 86788	AM/RDFT	(DSch)
13435	HM01	22-11	0700	Sat	60756 71605 80788 89862 05561 86788	AM/RDFT	(AB)
13435	HM01	22-11	0730	Sat	60756 71605 80788 89862 05561 86788	AM/RDFT	(VH)
11635	HM01	22-11	0800	Sat	60756 71605 80788 89862 05561 86788	AM/RDFT	(AB)
11435	HM01	22-11	1559	Sat	60756 71605 80788 89862 05561 86788	AM/RDFT	(DSch)
11635	HM01	22-11	1705	Sat	60757 71606 80789 89863 05561 06601. Should be on 11530 kHz	AM/RDFT	(DSch)
11530	HM01	22-11	1706	Sat	60757 71606 80789 89863 05561 06601. Switch from 11635 kHz at 1706z	AM/RDFT	(DSch)
11635	HM01	22-11	1841	Sat	60757 71606 80789 89863 05561 06601	AM/RDFT	(DSch)
16180	HM01	22-11	2100	Sat	60757 71606 80789 89863 05561 06601	AM/RDFT	(DSch)
17480	HM01	22-11	2156	Sat	60757 71606 80789 89863 05561 06601	AM/RDFT	(DSch)
17480	HM01	22-11	2200	Sat	71606 80789 89863 05561 06601 60757	AM/RDFT	(Dan)
9240	HM01	23-11	0900	Sun	60757 717606 80789 89863 05561 06601	AM/RDFT	(AB)
11435	HM01	23-11	1600	Sun	Radio Habana Cuba for a minute, then 60758 71607 61481 89864 05562 06601	AM/RDFT	(Danix)
11435	HM01	23-11	1608	Sun	60758 71607 61481 89864 05562 06601	AM/RDFT	(DSch)
11530	HM01	23-11	1657	Sun	60758 71607 61481 89864 05562 06601	AM/RDFT	(DSch)
11635	HM01	23-11	1849	Sun	60758 71607 61481 89864 05562 06601	AM/RDFT	(DSch)
11635	HM01	23-11	2109	Sun	60758 71607 61481 89864 05562 06601	AM/RDFT	(DSch)
10715	HM01	23-11	2220	Sun	60758 71607 61481 89864 05562 06601	AM/RDFT	(AAI)
11530	HM01	24-11	1713	Mon	22151 71608 61481 89865 05563 06602	AM/RDFT	(DSch)
11635	HM01	24-11	2107	Mon	22151 71608 61481 89865 05563 06602	AM/RDFT	(DSch)
10715	HM01	24-11	2200	Mon	71608 61481 89865 05563 06602 22151	AM/RDFT	(Dan)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
10715	HM01	24-11	2230	Mon	22151 71608 61481 89865 05563 06602	AM/RDFT	(DSch)
17480	HM01	25-11	2200	Tue	71609 61482 89866 05564 06603 22151	AM/RDFT	(Dan)
9065	HM01	26-11	0800	Wed	22151 71609 61482 89866 05564 06603	AM/RDFT	(AB)
11530	HM01	26-11	1700	Wed	22152 00101 61483 89867 05565 06604	AM/RDFT	(DSch)
11635	HM01	26-11	1843	Wed	22152 00101 61483 89867 05565 06604	AM/RDFT	(DSch)
11635	HM01	26-11	2100	Wed	22152 00101 61483 89867 05565 06604	AM/RDFT	(DSch)
10715	HM01	26-11	2200	Wed	00101 61483 89867 05565 06604 22152	AM/RDFT	(Dan)
10715	HM01	26-11	2206	Wed	22152 00101 61483 89867 05565 06604	AM/RDFT	(DSch)
11435	HM01	27-11	1605	Thu		AM/RDFT	(VH)
17480	HM01	27-11	2230	Thu	00101 61484 89868 05566 06605 22153	AM/RDFT	(Dan)
11435	HM01	28-11	1606	Fri	22154 00102 61485 89869 05567 06606	AM/RDFT	(DSch)
11530	HM01	28-11	1700	Fri	22154 00102 61485 89869 05567 06606	AM/RDFT	(DSch)
11635	HM01	28-11	1800	Fri	22154 00102 61485 89869 05567 06606	AM/RDFT	(DSch)
11635	HM01	28-11	2100	Fri	22154 00102 61485 89869 05567 06606	AM/RDFT	(DSch)
10715	HM01	28-11	2200	Fri	22154 00102 61485 89869 05567 06606	AM/RDFT	(DSch)
10715	HM01	28-11	2230	Fri	00102 61485 89869 05567 06606 22154	AM/RDFT	(Dan)
11435	HM01	29-11	1600	Sat	22154 00102 61485 89869 05567 06606	AM/RDFT	(DSch)
11530	HM01	29-11	1700	Sat	22155 00103 61486 21481 05568 06607	AM/RDFT	(DSch)
11635	HM01	29-11	1800	Sat	22155 00103 61486 21481 05568 06607	AM/RDFT	(DSch)
16180	HM01	29-11	2100	Sat	22155 00103 61486 21481 05568 06607	AM/RDFT	(DSch)
17480	HM01	29-11	2200	Sat	22155 00103 61486 21481 05568 06607	AM/RDFT	(DSch)
9240	HM01	30-11	0900	Sun	22155 00103 61486 121481 05568 06607	AM/RDFT	(AB)
11435	HM01	30-11	1559	Sun	22155 00103 61486 21481 05568 06607	AM/RDFT	(DSch)
11435	HM01	30-11	1600	Sun	Went right into the new grps 22156 00104 61487 21481 05569 06608	AM/RDFT	(DSch)
11530	HM01	30-11	1657	Sun	22156 00104 61487 21481 05569 06608	AM/RDFT	(DSch)
11530	HM01	30-11	1758	Sun	22156 00104 61487 21481 05569 06608. Still going on this freq. Should be on 11635 kHz	AM/RDFT	(DSch)
11635	HM01	30-11	1802	Sun	22156 00104 61487 21481 05569 06608. Switched from 11530 kHz at 1802z	AM/RDFT	(DSch)
11635	HM01	30-11	2059	Sun	22156 00104 61487 21481 05569 06608	AM/RDFT	(DSch)
10715	HM01	30-11	2216	Sun	22156 00104 61487 21481 05569 06608. Should be on 17480 kHz	AM/RDFT	(DSch)
10715	HM01	30-11	2230	Sun	00104 61487 21481 05569 06608 22156	AM/RDFT	(Dan)
9219	Jammer	7-11	1522	Fri	Chinese jammer on Sound of Hope freq		(AB)
9280	Jammer	7-11	1522	Fri	Chinese jammer on Sound of Hope freq		(AB)
9155	Jammer	7-11	1522	Fri	Chinese jammer on Sound of Hope freq		(AB)
9200	Jammer	7-11	1522	Fri	Chinese jammer on Sound of Hope freq		(AB)
5810	M01	1-11	1500	Sat	197 339 30 = 65043 49367 59311 ... 19541 98300 60744 = 339 30 000	CW	(AB)
5810	M01	1-11	1500	Sat	197-339/30=65043	CW	(HFD)
5810	M01	1-11	1500	Sat	197 339 339 30 30 = = 65043 49367 59311 99837 85700 ...	MCW	(Danix)
5465	M01	2-11	0700	Sun	197-521/30=54275	CW	(HFD)
5465	M01	2-11	0700	Sun	197 521 521 30 30 = = 54275 24761 44829 83718 77548 ...	MCW	(Danix)
5320	M01	4-11	1800	Tue	197, rest unreadable due to AT3004D on the same frequency	MCW	(Danix)
5320	M01	4-11	1800	Tue	Unreadable in QRM from CIS-12 on 5319 kHz	CW	(MPJ)
4852	M01	4-11	1825	Tue	567 326 326 17 17 = = 67083 25043 63507 82118 11037 ...	CW	(Danix)
4490	M01	4-11	2000	Tue	197 785 785 30 30 = = 99818 30169 16526 34845 09188 ...	MCW	(Danix)
4490	M01	4-11	2000	Tue	197 785 30 = = 14369 21465 20922 (fades) ... 95464 37610 14369 21465 20992 785 785 30 30	CW	(MPJ)
5320	M01	6-11	1800	Thu	197-###/30=03126	CW	(HFD)
5320	M01	6-11	1800	Thu	197 302 30 = = 03136 58631 17311 78924 05883 ...42621 05468 54296 45936 55056 = = 30 2 302 30 30 00	CW	(MPJ)
4852	M01	9-11	1842	Sun	567 396 396 91 91 = = 19637 33585 91526 56701 71312 ...	CW	(Danix)
4852	M01	9-11	1850	Sun	567 396 91 5fgs	CW	(Faux)
5320	M01	11-11	1800	Tue	197 610 610 30 30 = = rest unreadable	MCW	(Danix)
4852	M01	11-11	1839	Tue	567 (R6m) 396 91 91 = = 19637 33585 91526 56701 71312 ...	CW	(Danix)
4490	M01	13-11	2000	Thu	197	CW	(HFD)
4490	M01	13-11	2000	Thu	197 000500055 (!) 94903 20099 67124 37656 90011 ... 76441 44567 47131 15833 90034 274 274 30 30 = = 000	CW	(AB/MPJ)
5465	M01	16-11	0700	Sun	197 30 30 = =	CW	(AB)
5320	M01	18-11	1800	Tue	197 707 30 = = 81729 07566 11619 62126 83108 ... 27954 52614 51376 86232 78842 = = 707 30 000	CW	(MPJ)
5320	M01	20-11	1800	Thu	197 737 30 = = 02841 31264 15650 60616 (66606) 11027 ...	CW	(MPJ)
4491	M01	20-11	2000	Thu	197 30 30 = = 58525 63184 ... Unreadable	CW	(MPJ)
5810	M01	22-11	1500	Sat	197 711 30 = = 93015 20294 74996 73006 11493 ... 82563 47655 44389	CW	(MPJ)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
					16976 52381 = = 711 30 000		
5320	M01	25-11	1800	Tue	197 334 334 30 30 = = = = 60016 65341 94253 56677 56928 ...	CW	(Danix)
6766	M01a	11-11	1718	Tue	i/p 333 333 15910 15910 (rpt) 404 404 404 111 000	CW	(Danix)
6766	M01a	11-11	1722	Tue	333 15910 404 111 000	CW	(Faux)
6891	M01a	11-11	1910	Tue	i/p 333 69479 69479 333 69846 69846 (rpt) 404 404 404 111 000	CW	(Danix)
6897	M01a	15-11	1809	Sat	i/p 404 404 404 69846 69846 (rpt) 333 68232 68232 (rpt) 404 404 404 111 000	CW	(Danix)
4844	M01a	26-11	1807	Wed	i/p 876 876 876 333 37430 37430 (rpt) ...	CW	(Danix)
2435	M01b	3-11	1910	Mon	853-273/86=80958 //3519	CW	(HFD)
3519	M01b	3-11	1910	Mon	853-273/86=80958 //2435	CW	(HFD)
3205	M01b	3-11	2015	Mon	375-273/86=80958 //2427	CW	(HFD)
2427	M01b	3-11	2015	Mon	375-273/86=80958 //3205	CW	(HFD)
3545	M01b	6-11	1932	Thu	910-###/36=70958	CW	(HFD)
3160	M01b	6-11	2042	Thu	382	CW	(HFD)
3545	M01b	13-11	1932	Thu	910 (R) 27 3 27 3 86 86 = = 80958 80958 23776 23776 71873 71873 ...	CW	(AB/MPJ)
3197	M01b	14-11	2002	Fri	866-273/86=80958	CW	(HFD)
2405	M01b	14-11	2110	Fri	610-273/86=80958 //3180	CW	(HFD)
3180	M01b	14-11	2110	Fri	610-273/86=80958 //2405	CW	(HFD)
3545	M01b	20-11	1932	Thu	910 273 86 = = 80958 23786 71873 01357 98997 ... (continues) ... 65224 29079 001 (Stops)	MCW	(MPJ)
2485	M01b	20-11	2042	Thu	382 273 8_ (85 ?) = = 80958 23786 71873 01357 98997 ... 78189 85501 ...	MCW	(MPJ)
3520	M01b	24-11	1910	Mon	273 86 = = 80958 23786 71873 01356 98997 ... 19304 76267 01371 02323 12800 = = 273 86 000	MCW	(MPJ)
3205	M01b	24-11	2015	Mon	i.p. 13780 71873 01357 98997 38803 ...	MCW	(MPJ)
3197	M01b	28-11	2002	Fri	866 273 273 86 86 = = 80958 23786 71873 01357 ... 86267 01371 02323 12800 = = 373 273 86 86 000	MCW	(MPJ)
5358	M03	1-11	1535	Sat	798/00	CW	(MPJ)
5358	M03	1-11	1535	Sat	798/00	CW	(Danix)
4828	M03	2-11	1320	Sun	437/00	CW	(Danix)
4828	M03	2-11	1320	Sun	438/00	CW	(MPJ)
4828	M03	2-11	1320	Sun	437/00	CW	(HFD)
13911	M03	2-11	1420	Sun	879/00	CW	(HFD)
13911	M03	2-11	1420	Sun	879/00	CW	(Danix)
4505	M03	3-11	1320	Mon	540/36	CW	(Danix)
5358	M03	4-11	1535	Tue	798/00	CW	(HFD)
5358	M03	4-11	1535	Tue	798/00	CW	(Danix)
5358	M03	4-11	1535	Tue	798/00	CW	(MPJ)
4505	M03	5-11	1320	Wed	540/36	CW	(Danix)
4828	M03	6-11	1320	Thu	437/00	CW	(Danix)
13911	M03	7-11	1420	Fri	879/00	CW	(Danix)
5358	M03	8-11	1535	Sat	798/00	CW	(Danix)
4828	M03	9-11	1320	Sun	437/00	CW	(MPJ)
4828	M03	9-11	1320	Sun	437/00	CW	(Danix)
13911	M03	9-11	1420	Sun	879/00	CW	(Danix)
4505	M03	10-11	1320	Mon	543/00	CW	(Danix)
4505	M03	10-11	1320	Mon	543/00	CW	(HFD)
5358	M03	11-11	1535	Tue	798/00	CW	(Danix)
4505	M03	12-11	1320	Wed	543/00	CW	(Danix)
4828	M03	13-11	1320	Thu	434/34	CW	(Danix)
13911	M03	14-11	1420	Fri	879/00	CW	(Danix)
5358	M03	15-11	1535	Sat	798/00	CW	(Danix)
4828	M03	16-11	1320	Sun	434/34	CW	(Danix)
4828	M03	16-11	1320	Sun	434/34 ...	CW	(MPJ)
13911	M03	16-11	1420	Sun	879/00	CW	(MPJ)
13911	M03	16-11	1420	Sun	879/00	CW	(Danix)
4505	M03	17-11	1320	Mon	543/00	CW	(Danix)
5358	M03	18-11	1535	Tue	798/00	CW	(Danix)
5358	M03	18-11	1535	Tue	798/00	CW	(MPJ)
4505	M03	19-11	1320	Wed	543/00	CW	(Danix)
4505	M03	19-11	1320	Wed	543/00 = = 000	CW	(AB)
4828	M03	20-11	1320	Thu	437/00	CW	(MPJ)
4828	M03	20-11	1320	Thu	437/00	CW	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
13911	M03	21-11	1420	Fri	879/00	CW	(Danix)
5358	M03	22-11	1535	Sat	798/00	CW	(Danix)
4828	M03	23-11	1320	Sun	437/00	CW	(Danix)
13911	M03	23-11	1420	Sun	879/00	CW	(Danix)
4505	M03	24-11	1320	Mon	543/00	CW	(Danix)
4505	M03	26-11	1320	Wed	543/00	CW	(MPJ)
4505	M03	26-11	1320	Wed	543/00	CW	(Danix)
4828	M03	27-11	1320	Thu	437/00	CW	(Danix)
13911	M03	28-11	1420	Fri	874/31	CW	(Danix)
4828	M03	30-11	1320	Sun	437/00	CW	(MPJ)
4828	M03	30-11	1320	Sun	437/00	CW	(Danix)
13911	M03	30-11	1420	Sun	874/31	CW	(Danix)
8096	M08a	4-11	1309	Tue	Tuning xmtr but no traffic	CW	(DSch)
8135	M08a	4-11	2309	Tue	Cuban cut nbrs	CW	(DSch)
8095.9	M08a	5-11	1400	Wed	Cuban cut nbrs: TGRDA INTIA GWDTN off at 1401z. Nothing more	CW	(DSch)
7554	M08a	5-11	2025	Wed	Cuban cut nbrs	CW	(DSch)
8009	M08a	5-11	2314	Wed	Tuning xmtr but no traffic	CW	(DSch)
8096	M08a	6-11	1400	Thu	Cuban cut nbrs: TNAWA AWUGN NIIAA	CW	(DSch)
7554	M08a	6-11	2000	Thu	Cuban cut nbrs: TAUGN AUIAA DIAUA	CW	(DSch)
8134.8	M08a	6-11	2300	Thu	Cuban cut nbrs: DRIGA ATADA NOUWN	CW	(DSch)
8095.9	M08a	7-11	1429	Fri	Cuban cut nbrs	CW	(DSch)
7554	M08a	8-11	2000	Sat	CW started on top of V02a but stopped after few characters. At 2004 UTC: AGNRN NNWTA DWTNN	CW	(DSch)
7554	M08a	9-11	2001	Sun	AGNRN NNWTA DWTNN at 2035 AR AR AR then AGNRN NNWTA DWTNN	CW	(DSch/Danix)
7554	M08a	9-11	2100	Sun	Still sending ... AR AR AR then AGNRN NNWTA DWTNN, ends at 2111z	CW	(DSch/Danix)
7554	M08a	10-11	2050	Mon	Tuning xmtr but no traffic	CW	(DSch)
8009	M08a	10-11	2300	Mon	= = = wigiw udiwd rawwu matuw uiguw gtttn nawns utngw riwni rwtai	CW	(DSch/N2QH C)
8096	M08a	11-11	1400	Tue	Cuban cut nbrs: RINAN ITRDA GOTRN	CW	(DSch)
7554	M08a	11-11	2000	Tue	Cuban cut nbrs: IDdua GRRIA TTTTN	CW	(DSch)
7554	M08a	12-11	2000	Wed	Cuban cut nbrs: TTWAA ADGUN GGIIA	CW	(DSch)
7554	M08a	14-11	2003	Fri	Cuban cut nbrs	CW	(DSch)
8135	M08a	14-11	2302	Fri	Cuban cut nbrs. Should be on 8009 kHz	CW	(DSch)
7554	M08a	15-11	2004	Sat	Cuban cut nbrs: AGNRN NNNTA DWTNN	CW	(DSch)
8009	M08a	15-11	2304	Sat	Cuban cut nbrs: DWTNN AGNRN NNWTA. Should be on 8135 kHz	CW	(DSch)
8096.4	M08a	16-11	1434	Sun	Tuning xmtr, no traffic	CW	(DSch)
7554	M08a	17-11	2002	Mon	Cuban cut nbrs	CW	(DSch)
8009	M08a	17-11	2300	Mon	Cuban cut nbrs: UDDDA WIDWA DNRGA, mixing with HM01	CW	(DSch)
8096	M08a	18-11	1421	Tue	Cuban cut nbrs	CW	(DSch)
7554	M08a	18-11	2013	Tue	Cuban cut nbrs	CW	(DSch)
8135	M08a	18-11	2321	Tue	Cuban cut nbrs	CW	(DSch)
8096	M08a	20-11	1409	Thu	Cuban cut nbrs	CW	(DSch)
7554	M08a	20-11	2000	Thu	Cuban cut nbrs: TRAUA ATURN NDITA	CW	(DSch)
8096	M08a	21-11	1412	Fri	Cuban cut nbrs	CW	(DSch)
7554	M08a	21-11	2009	Fri	Cuban cut nbrs	CW	(DSch)
8135	M08a	21-11	2309	Fri	Cuban cut nbrs	CW	(DSch)
8096	M08a	22-11	1432	Sat	Tuning xmtr but no transmission	CW	(DSch)
8096	M08a	23-11	1400	Sun	AGNRN NNWTA DWTNN	CW	(Danix)
7554	M08a	23-11	2011	Sun	Cuban cut nbrs	CW	(DSch)
8009	M08a	24-11	2319	Mon	Cuban cut nbrs	CW	(DSch)
8096	M08a	26-11	1400	Wed	Cuban cut nbrs: UGUUN WNGRA RUNTN	CW	(DSch)
8096	M08a	28-11	1400	Fri	Cuban cut nbrs: IUDUN GRRIA WAGAA	CW	(DSch)
7554	M08a	28-11	2000	Fri	Cuban cut nbrs: DUWTN WRNDN RTWWA	CW	(DSch)
7554	M08a	29-11	2004	Sat	Cuban cut nbrs: NNWTA DWTNN AGNRN	CW	(DSch)
8009	M08a	29-11	2308	Sat	Cuban cut nbrs. Should be on 8135 kHz	CW	(DSch)
8096	M08a	30-11	1403	Sun	Cuban cut nbrs: AGNRN NNWTA DWTNN	CW	(DSch)
8135	M08a	30-11	2303	Sun	Should be on 8009 kHz	CW	(DSch)
7637	M12	1-11	0600	Sat	612 612 612 000	CW	(Danix)
9137	M12	1-11	0620	Sat	612 612 612 000	CW	(Danix)
9162	M12	1-11	1310	Sat	104 0	CW	(HFD)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
9162	M12	1-11	1310	Sat	104 104 104 000	CW	(Danix)
8062	M12	1-11	1330	Sat	104 104 104 000	CW	(Danix)
8062	M12	1-11	1330	Sat	104 104 104 000	CW	(MPJ)
8062	M12	1-11	1330	Sat	104 0	CW	(HFD)
15969	M12	2-11	1010	Sun	941 941 941 000	CW	(Danix)
15969	M12	2-11	1010	Sun	941 0	CW	(HFD)
17479	M12	2-11	1030	Sun	941 0	CW	(HFD)
17479	M12	2-11	1030	Sun	941 941 941 000	CW	(Danix)
4617	M12	3-11	0530	Mon	638 0	CW	(HFD)
4617	M12	3-11	0530	Mon	638 638 638 000	CW	(Danix)
5317	M12	3-11	0550	Mon	638 638 638 000	CW	(Danix)
5317	M12	3-11	0550	Mon	638 0	CW	(HFD)
8047	M12	3-11	1700	Mon	463 1	CW	(HFD)
11435	M12	3-11	1700	Mon	938 1 7371 112 25547 09785 71198 ... 46019 87509 63836 000 000	CW	(Danix)
6802	M12	3-11	1720	Mon	463 1	CW	(HFD)
10598	M12	3-11	1720	Mon	938 1 7371 112 25547 09785 71198 ... 46019 87509 63836 000 000	CW	(Danix)
9327	M12	3-11	1740	Mon	938 1 7371 112 25547 09785 71198 ... 46019 87509 63836 000 000	CW	(Danix)
8047	M12	3-11	1800	Mon	463 1 3771 145 44791 02258 39777 ... 74575 22932 67937 000 000	CW	(Danix)
6802	M12	3-11	1820	Mon	463 1 3771 145 44791 02258 39777 ... 74575 22932 67937 000 000	CW	(Danix)
6802	M12	3-11	1820	Mon	463 1 ...	CW	(BCI)
5788	M12	3-11	1840	Mon	463 1 3771 145 44791 02258 39777 ... 74575 22932 67937 000 000	CW	(Danix)
9176	M12	3-11	1900	Mon	257 1 9628 120 61026 51629 90060 ... 40058 90990 01497 000 000	CW	(Danix)
9176	M12	3-11	1900	Mon	257 1	CW	(HFD)
7931	M12	3-11	1920	Mon	257 1	CW	(HFD)
7931	M12	3-11	1920	Mon	257 1 9628 120 61026 51629 90060 ... 40058 90990 01497 000 000	CW	(Danix)
6904	M12	3-11	1940	Mon	257 1 9628 120 61026 51629 90060 ... 40058 90990 01497 000 000	CW	(Danix)
6904	M12	3-11	1940	Mon	257 1	CW	(HFD)
6913	M12	3-11	2000	Mon	658 1 7892 76 09051 03024 44539 ... 26174 02865 46834 000 000	CW	(Danix)
5829	M12	3-11	2020	Mon	658 1 7892 76 09051 03024 44539 ... 26174 02865 46834 000 000	CW	(Danix)
5788	M12	4-11	1740	Tue	463 1	CW	(HFD)
10343	M12	4-11	1930	Tue	124 1 1990 67 67198 68721 61259 ... 66627 23492 38612 000 000	CW	(Danix)
10343	M12	4-11	1930	Tue	124 1 1990 67 (stops) 124 1 1990 57 67198 68721 61259 79915 27252 ... 70944 86521 66627 23492 38612 000 000	CW	(MPJ)
9264	M12	4-11	1950	Tue	124 1 1990 67 67198 68721 61259 ... 66627 23492 38612 000 000	CW	(Danix)
9264	M12	4-11	1950	Tue	124 1 1990 57 67198 68721 61259 79915 27252 ... 70944 86521 66627 23492 38612 000 000	CW	(MPJ)
8116	M12	4-11	2010	Tue	124 1 1990 67 67198 68721 61259 ... 66627 23492 38612 000 000	CW	(Danix)
8047	M12	5-11	1800	Wed	463 1 2348 87 80207 97782 59873 90979 61640 ... 20189 74924 70352 47601 86087 000 000	CW	(MPJ)
8047	M12	5-11	1800	Wed	463 1 2348 87 86207 97782 59873 ... 70352 47601 86087 000 000	CW	(Danix)
6802	M12	5-11	1820	Wed	463 1 2348 87 86207 97782 59873 ... 70352 47601 86087 000 000	CW	(Danix)
5788	M12	5-11	1840	Wed	463 1 2348 87 86207 97782 59873 ... 70352 47601 86087 000 000	CW	(Danix)
11435	M12	5-11	1930	Wed	938 1 9061 60 39820 66026 45328 93476 55473 ... 79121 06427 51799 54674 12716 000 000	CW	(MPJ)
10598	M12	5-11	1950	Wed	938 1 9061 60 39820 66026 45328 93476 55473 ... 79121 06427 51799 54674 12716 000 000	CW	(MPJ)
9327	M12	5-11	2010	Wed	938 1 9061 60 39820 66026 45328 93476 55473 ... 79121 06427 51799 54674 12716 000 000	CW	(MPJ)
5429	M12	5-11	2100	Wed	460 460 460 000	CW	(Danix)
4629	M12	5-11	2120	Wed	460 460 460 000	CW	(Danix)
5884	M12	6-11	0730	Thu	888 888 888 000	CW	(Danix)
6884	M12	6-11	0750	Thu	888 888 888 000	CW	(Danix)
15969	M12	6-11	1010	Thu	941 941 941 000	CW	(Danix)
17479	M12	6-11	1030	Thu	941 941 941 000	CW	(Danix)
9162	M12	6-11	1310	Wed	104 104 104 000	CW	(Danix)
9162	M12	6-11	1310	Thu	104 104 104 000	CW	(MPJ)
8062	M12	6-11	1330	Wed	104 104 104 000	CW	(Danix)
8062	M12	6-11	1330	Thu	104 104 104 000	CW	(MPJ)
13386	M12	6-11	1700	Thu	725 1 3647 106 02459 15962 77087 07381 20373 ... 67916 68624 25224 18421 06165 000 000	CW	(MPJ)
13386	M12	6-11	1700	Thu	725 1 3647 106 02459 15962 77087 ... 25224 18421 06165 000 000	CW	(Danix)
12189	M12	6-11	1720	Thu	725 1 3647 106 02459 15962 77087 ... 25224 18421 06165 000 000	CW	(Danix)
12189	M12	6-11	1720	Thu	725 1 3647 106 02459 15962 77087 07381 20373 ... 67916 68624	CW	(MPJ)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
					25224 18421 06165 000 000		
11491	M12	6-11	1740	Thu	725 1 3647 106 02459 15962 77087 ... 25224 18421 06165 000 000	CW	(Danix)
11491	M12	6-11	1740	Thu	725 1 3647 106 02459 15962 77087 07381 20373 ... 67916 68624 25224 18421 06165 000 000	CW	(MPJ)
9176	M12	6-11	1800	Thu	257 1 6601 93 34168 68627 88912 ... 35332 44819 23026 000 000	CW	(Danix)
10343	M12	6-11	1800	Thu	124 1 5575 153 49569 41391 60685 89175 89695 ... 76565 92664 80661 42297 68569 000 000	CW	(MPJ)
10343	M12	6-11	1800	Thu	124 1 5575 153 49569 41391 60685 ... 80661 42297 68569 000 000	CW	(Danix)
10343	M12	6-11	1800	Thu	124 1	CW	(HFD)
7931	M12	6-11	1820	Thu	257 1 6601 93 34168 68627 88912 ... 35332 44819 23026 000 000	CW	(Danix)
9264	M12	6-11	1820	Thu	124 1 5575 153 49569 41391 60685 ... 80661 42297 68569 000 000	CW	(Danix)
9264	M12	6-11	1820	Thu	124 1	CW	(HFD)
8116	M12	6-11	1840	Thu	124 1	CW	(HFD)
8116	M12	6-11	1840	Thu	124 1 5575 153 49569 41391 60685 ... 80661 42297 68569 000 000	CW	(Danix)
6904	M12	6-11	1840	Thu	257 1 6601 93 34168 68627 88912 ... 35332 44819 23026 000 000	CW	(Danix)
5893	M12	9-11	1815	Sun	885 885 885 885 => 396 396 91 91 = = 19637 à. Ending = = 396 396 91 91 T T T	CW	(PPA)
10598	M12	10-11	1720	Mon	138 1 5528 114 86222 12037 99252 36_3_ 69320 ... 38837 16639 44245 49903 49699 000 000	CW	(MPJ)
8047	M12	10-11	1800	Mon	463 1 2019 147 38069 11339 02414 70415 95606 ... 87311 80735 54341 90826 35646 000 000	CW	(MPJ)
5788	M12	10-11	1840	Mon	463 1 2019 147 38069 11339 02414 70415 95606 ... 87311 80735 54341 90826 35646 000 000	CW	(MPJ/PPA)
9176	M12	10-11	1900	Mon	257 1 //6904	CW	(HFD)
6904	M12	10-11	1900	Mon	257 1 //9176	CW	(HFD)
9176	M12	10-11	1900	Mon	257 1 9254 107 84611 35525 48287 39647 02867 ... 78513 16121 9____ 63359 12469 000 000	CW	(MPJ)
7931	M12	10-11	1920	Mon	257 1	CW	(HFD)
6904	M12	10-11	1940	Mon	257 1	CW	(HFD)
6913	M12	10-11	2000	Mon	658 1 3826 74 94670 98955 07616 79343 61716 ... 80816 42224 95905 68668 55326 000 000	CW	(MPJ)
5829	M12	10-11	2020	Mon	658 1 3826 74 94670 98955 07616 79343 61716 ... 80816 42224 95905 68668 55326 000 000	CW	(MPJ)
4019	M12	10-11	2031	Mon	832 832 832 000	CW	(JPL-Sib)
5429	M12	12-11	2200	Wed	460 1	CW	(HFD)
5429	M12	12-11	2200	Wed	460 1 4895 171	CW	(Danix)
4629	M12	12-11	2220	Wed	460 1 4895 171	CW	(Danix)
4629	M12	12-11	2220	Wed	460 1	CW	(HFD)
4029	M12	12-11	2240	Wed	460 1 4895 171	CW	(Danix)
4029	M12	12-11	2240	Wed	460 1	CW	(HFD)
5884	M12	13-11	0730	Thu	888 000	CW	(Danix)
6884	M12	13-11	0750	Thu	888 000	CW	(Danix)
15969	M12	13-11	1010	Thu	941 000	CW	(Danix)
17479	M12	13-11	1030	Thu	941 000	CW	(Danix)
9162	M12	13-11	1310	Thu	104 000	CW	(Danix)
8062	M12	13-11	1330	Thu	104 000	CW	(Danix)
8062	M12	13-11	1330	Thu	104 104 104 000	CW	(MPJ)
13386	M12	13-11	1700	Thu	725 1 1671 119 (?) 60_39 1____ 43419 27681 31337 ... 80097 24837 233_4 59____ 66126 000 000	CW	(MPJ)
13386	M12	13-11	1700	Thu	725 1	CW	(HFD)
13386	M12	13-11	1700	Thu	very corrupted	CW	(Danix)
12189	M12	13-11	1720	Thu	725 1	CW	(HFD)
12189	M12	13-11	1720	Thu	725 1 1611 119 60439 18937 10964 43419 27681 ... 80097 24837 23364 59283 66126 000 000	CW	(MPJ)
12189	M12	13-11	1720	Thu	725 1 1611 119 60439 18937 10964 ... 23364 59283 66126 000 000	CW	(Danix)
11491	M12	13-11	1740	Thu	725 1 1611 119 60439 18937 10964 ... 23364 59283 66126 000 000	CW	(Danix)
11491	M12	13-11	1740	Thu	725 1	CW	(HFD)
11491	M12	13-11	1740	Thu	725 1 1611 119 60439 18937 10964 43419 27681 ... 80097 24837 23364 59283 66126 000 000	CW	(MPJ)
10343	M12	13-11	1800	Thu	124 1 8076 143 05278 24238 75141 ... 19671 5375? 35037 000 000	CW	(Danix)
9176	M12	13-11	1800	Thu	257 1 3071 98 52708 15622 48417 63280 75742 ... 80029 41797 93114 54862 76488 000 000	CW	(MPJ)
9176	M12	13-11	1800	Thu	257 1 3071 98 52708 15622 48417 ... 93114 54862 76488 000 000	CW	(Danix)
10343	M12	13-11	1800	Thu	124 1 8076 143 05278 24238 75141 26025 4375_ (end missed)	CW	(MPJ)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5829	M12	13-11	1820	Thu	658 658 658 1 => 5F qtc ending TTT TTT)	CW	(PPA)
7931	M12	13-11	1820	Thu	257 1 3071 98 3071 98 52708 15622 48417 ... 93214 54262 76488 000 000	CW	(AB)
7931	M12	13-11	1820	Thu	257 1 3071 98 52708 15622 48417 ... 93114 54862 76488 000 000	CW	(Danix)
9264	M12	13-11	1820	Thu	124 1 8076 143 05278 24238 75141 ... 19671 5375? 35037 000 000	CW	(Danix)
6904	M12	13-11	1840	Thu	257 1 3071 98 52708 15622 48417 63280 75742 ... 80029 41797 93114 54862 76488 000 000	CW	(MPJ)
8116	M12	13-11	1840	Thu	124 1 8076 143 05278 24238 75141 ... 19671 5375? 35037 000 000	CW	(Danix)
6904	M12	13-11	1840	Thu	257 1 3071 98 52708 15622 48417 ... 93114 54862 76488 000 000	CW	(Danix)
10343	M12	13-11	1900	Thu	3198 116 45403 53482 16530 40632 22240 ... 19628 03729 17727 22727 03611 000 000	CW	(MPJ)
9264	M12	13-11	1920	Thu	3198 116 45403 53482 16530 40632 22240 ... 19628 03729 17727 22727 03611 000 000	CW	(MPJ)
6913	M12	13-11	2000	Thu	658 1 9765 82 97663 11456 02621 23319 77284 ... 41490 64575 79098 78892 81918 000 000	CW	(MPJ)
6913	M12	13-11	2003	Thu	5F message ending TTT TTT	CW	(PPA)
5829	M12	13-11	2020	Thu	658 1 9765 82 9765 82 97663 11456 02621 ... 64575 79098 78892 81918 000 000	CW	(AB)
5829	M12	13-11	2020	Thu	658 1 9765 82 97663 11456 02621 23319 77284 ... 41490 64575 79098 78892 81918 000 000	CW	(MPJ)
5072	M12	13-11	2040	Thu	658 1 9765 82 97663 11456 02621 23319 77284 ... 41490 64575 79098 78892 81918 000 000	CW	(MPJ)
5072	M12	13-11	2040	Thu	658 1 9765 82 9765 82 97663 11456 02621 ... 64575 79098 78892 81918 000 000	CW	(AB)
7637	M12	15-11	0600	Sat	612 1 4895 171	CW	(Danix)
9137	M12	15-11	0620	Sat	612 1 4895 171	CW	(Danix)
10237	M12	15-11	0640	Sat	612 1 4895 171	CW	(Danix)
9162	M12	15-11	1310	Sat	104 000	CW	(Danix)
9162	M12	15-11	1310	Sat	104 104 104 000	CW	(MPJ)
8062	M12	15-11	1330	Sat	104 000	CW	(Danix)
8062	M12	15-11	1330	Sat	104 104 104 000	CW	(MPJ)
15969	M12	16-11	1010	Sun	941 000	CW	(Danix)
17479	M12	16-11	1030	Sun	941 000	CW	(Danix)
4617	M12	17-11	0530	Mon	638 000	CW	(Danix)
5317	M12	17-11	0550	Mon	638 000	CW	(Danix)
11435	M12	17-11	1700	Mon	938 1 6267 116 62018 45271 77509 ... 40911 33209 61453 000 000	CW	(Danix)
10598	M12	17-11	1720	Mon	938 1 6267 116 62018 45271 77509 ... 40911 33209 61453 000 000	CW	(Danix)
9327	M12	17-11	1740	Mon	938 1 6267 116 62018 45271 77509 ... 40911 33209 61453 000 000	CW	(Danix)
8047	M12	17-11	1800	Mon	463 1 2322 155 75887 74177 67552 ... 02771 83363 45568 000 000	CW	(Danix)
6802	M12	17-11	1820	Mon	463 1 2322 155 75887 74177 67552 ... 02771 83363 45568 000 000	CW	(Danix)
5788	M12	17-11	1840	Mon	463 1 2322 155 75887 74177 67552 ... 02771 83363 45568 000 000	CW	(Danix)
10343	M12	18-11	1930	Tue	124 1 (text unreadable)	CW	(MPJ)
10343	M12	18-11	1930	Tue	124 1	CW	(HFD)
9264	M12	18-11	1950	Tue	124 1 8768 62 94968 59596 unreadable	CW	(MPJ)
9264	M12	18-11	1950	Tue	124 1	CW	(HFD)
8116	M12	18-11	2010	Tue	124 1	CW	(HFD)
8116	M12	18-11	2010	Tue	124 1 8768 62 94968 59596 _7930 48970 13179 ... 02660 6_0__ 21440 88013 82342 000 000	CW	(MPJ)
8047	M12	19-11	1800	Wed	463 1 9696 92 03906 98390 64541 ... 33144 17525 64024 000 000	CW	(Danix)
6802	M12	19-11	1820	Wed	463 1 9696 92 03906 98390 64541 ... 33144 17525 64024 000 000	CW	(Danix)
5788	M12	19-11	1840	Wed	463 1 9696 92 03906 98390 64541 ... 33144 17525 64024 000 000	CW	(Danix)
5429	M12	19-11	2200	Wed	460 0	CW	(HFD)
5429	M12	19-11	2200	Wed	460 000	CW	(Danix)
4629	M12	19-11	2220	Wed	460 0	CW	(HFD)
4629	M12	19-11	2220	Wed	460 000	CW	(Danix)
5884	M12	20-11	0730	Thu	888 0	CW	(HFD)
5884	M12	20-11	0730	Thu	888 000	CW	(Danix)
6884	M12	20-11	0750	Thu	888 0	CW	(HFD)
6884	M12	20-11	0750	Thu	888 000	CW	(Danix)
15969	M12	20-11	1010	Thu	941 1 8123 129 41009 12137 55583 ... 92932 92208 48236 000 000	CW	(Danix)
17479	M12	20-11	1030	Thu	941 1 8123 129 41009 12137 55583 ... 92932 92208 48236 000 000	CW	(Danix)
18169	M12	20-11	1050	Thu	941 1 8123 129 41009 12137 55583 ... 92932 92208 48236 000 000	CW	(Danix)
9162	M12	20-11	1310	Thu	104 1 7848 217 09057 71946 93132 ... 92304 89215 37952 000 000	CW	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
8062	M12	20-11	1330	Thu	104 1 7848 217 09057 71946 93132 ... 92304 89215 37952 000 000	CW	(Danix)
8062	M12	20-11	1330	Thu	104 1 7848 217 09057 71946 93132 85359 24449 ... 02305 10165 92304 89215 37952 000 000	CW	(MPJ)
7462	M12	20-11	1350	Thu	104 1 7848 217 09057 71946 93132 ... 92304 89215 37952 000 000	CW	(Danix)
7462	M12	20-11	1350	Thu	104 1 7848 217 09057 71946 93132 85359 24449 ... 02305 10165 92304 89215 37952 000 000	CW	(MPJ)
13386	M12	20-11	1700	Thu	725 1 8570 107 45532 11658 45736 97787 59742 ... 92359 53912 00794 98300 68353 000 000	CW	(MPJ)
12189	M12	20-11	1720	Thu	725 1 8570 107 45532 11658 45736 97787 59742 ... 92359 53912 00794 98300 68353 000 000	CW	(MPJ)
11491	M12	20-11	1740	Thu	725 1 8570 107 45532 11658 45736 97787 59742 ... 92359 53912 00794 98300 68353 000 000	CW	(MPJ/AB)
10343	M12	20-11	1800	Thu	124 1 6688 140 11491 78872 37511 60324 16266 ... 00752 760_7 24076 47165 07987 000 000	CW	(MPJ)
8116	M12	20-11	1840	Thu	124 1 6688 140 11491 78872 37511 60324 16266 ... 00752 760_7 24076 47165 07987 000 000	CW	(MPJ)
7637	M12	22-11	0600	Sat	612 0	CW	(HFD)
9137	M12	22-11	0620	Sat	612 0	CW	(HFD)
9162	M12	22-11	1310	Sat	104 1 7848 217 09057 71946 93132 ... 92304 89215 37952 000 000	CW	(Danix)
9162	M12	22-11	1310	Sat	104 7848 217 09057 71946 93132 85359 24449 ... 02305 10165 92304 89215 37952 000 000	CW	(MPJ)
8062	M12	22-11	1330	Sat	104 1 7848 217 09057 71946 93132 ... 92304 89215 37952 000 000	CW	(Danix)
8062	M12	22-11	1330	Sat	104 7848 217 09057 71946 93132 85359 24449 ... 02305 10165 92304 89215 37952 000 000	CW	(MPJ/JPL)
7462	M12	22-11	1350	Sat	104 1 7848 217 09057 71946 93132 ... 92304 89215 37952 000 000	CW	(Danix)
7462	M12	22-11	1350	Sat	104 7848 217 09057 71946 93132 85359 24449 ... 02305 10165 92304 89215 37952 000 000	CW	(MPJ)
15969	M12	23-11	1010	Sun	941 1 8123 129 41009 12137 55583 ... 92932 92208 48236 000 000	CW	(Danix)
17479	M12	23-11	1030	Sun	941 1 8123 129 41009 12137 55583 ... 92932 92208 48236 000 000	CW	(Danix)
18169	M12	23-11	1050	Sun	941 1 8123 129 41009 12137 55583 ... 92932 92208 48236 000 000	CW	(Danix)
4617	M12	24-11	0530	Mon	638 000	CW	(Danix)
5317	M12	24-11	0550	Mon	638 000	CW	(Danix)
11435	M12	24-11	1700	Mon	938 1 2319 120 05208 73258 78835 ... 08905 68600 13176 000 000	CW	(Danix)
10598	M12	24-11	1720	Mon	938 1 2319 120 05208 73258 78835 ... 08905 68600 13176 000 000	CW	(Danix)
10598	M12	24-11	1720	Mon	938 2319 120 05208 73258 78835 45837 27549 ... 77289 08636 08905 68600 13176 000 000	CW	(MPJ)
9327	M12	24-11	1740	Mon	938 1 2319 120 05208 73258 78835 ... 08905 68600 13176 000 000	CW	(Danix)
9327	M12	24-11	1740	Mon	938 2319 120 05208 73258 78835 45837 27549 ... 77289 08636 08905 68600 13176 000 000	CW	(MPJ)
8047	M12	24-11	1800	Mon	463 1 3026 149 27012 06986 81177 ... 53415 74330 19952 000 000	CW	(Danix)
8047	M12	24-11	1800	Mon	463 1 3026 149 27012 06986 81177 28134 35147 ... 78669 82289 53415 74330 19952 000 000	CW	(MPJ)
6802	M12	24-11	1820	Mon	463 1 3026 149 27012 06986 81177 28134 35147 ... 78669 82289 53415 74330 19952 000 000	CW	(MPJ)
6802	M12	24-11	1820	Mon	463 1 3026 149 27012 06986 81177 ... 53415 74330 19952 000 000	CW	(Danix)
4788	M12	24-11	1840	Mon	463 1 3026 149 27012 06986 81177 28134 35147 ... 78669 82289 53415 74330 19952 000 000	CW	(MPJ)
5788	M12	24-11	1840	Mon	463 1 3026 149 27012 06986 81177 ... 53415 74330 19952 000 000	CW	(Danix)
9176	M12	24-11	1900	Mon	257 1 4128 106 73500 90099 79509 66147 20236 ... 65902 71034 41417 24741 78299 000 000	CW	(MPJ)
9176	M12	24-11	1900	Mon	257 1 4228 106, rest unreadable (25 WPM)	CW	(Danix)
7931	M12	24-11	1920	Mon	257 1 4228 106, rest unreadable (25 WPM)	CW	(Danix)
7931	M12	24-11	1920	Mon	257 1 4128 106 73500 90099 79509 66147 20236 ... 65902 71034 41417 24741 78299 000 000	CW	(MPJ)
6904	M12	24-11	1940	Mon	257 1 4128 106 73500 90099 79509 66147 20236 ... 65902 71034 41417 24741 78299 000 000	CW	(MPJ)
6904	M12	24-11	1940	Mon	257 1 4228 106, rest unreadable (25 WPM)	CW	(Danix)
18576	M12	26-11	0040	Wed	253 253 253 1 (R9) 731 127 (R2)	CW	(Token)
8047	M12	26-11	1800	Wed	463 1 7810 87 32564 75131 30456 66805 92198 ... 59317 04184 01357 22982 23485 000 000	CW	(MPJ)
6802	M12	26-11	1820	Wed	463 1 7810 87 32564 75131 30456 66805 92198 ... 59317 04184 01357 22982 23485 000 000	CW	(MPJ)
11435	M12	26-11	1930	Wed	938 1 417_8 ... (too weak to copy message)	CW	(MPJ)
11435	M12	26-11	1930	Wed	938 1	CW	(HFD)
10598	M12	26-11	1950	Wed	938 1	CW	(HFD)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
9327	M12	26-11	2010	Wed	938 1	CW	(HFD)
5429	M12	26-11	2200	Wed	460 1 5697 57 21350 51442 40806 ... 91259 90228 01303 000 000	CW	(Danix)
4629	M12	26-11	2220	Wed	460 1 5697 57 21350 51442 40806 ... 91259 90228 01303 000 000	CW	(Danix)
4029	M12	26-11	2240	Wed	460 1 5697 57 21350 51442 40806 ... 91259 90228 01303 000 000	CW	(Danix)
5884	M12	27-11	0730	Thu	888 000	CW	(Danix)
6884	M12	27-11	0750	Thu	888 000	CW	(Danix)
15969	M12	27-11	1010	Thu	941 000	CW	(Danix)
17479	M12	27-11	1030	Thu	941 000	CW	(Danix)
10343	M12	27-11	1900	Thu	124 1	CW	(HFD)
9264	M12	27-11	1920	Thu	124 1	CW	(HFD)
8116	M12	27-11	1940	Thu	124 1	CW	(HFD)
19276	M12	29-11	0020	Sat	253 253 253 1 (R9) 731 127 (R2)	CW	(Token)
18576	M12	29-11	0040	Sat	253 253 253 1 (R9) 731 127 (R2)	CW	(Token)
16356	M12	29-11	0100	Sat	253 253 253 1 (R9) 731 127 (R2)	CW	(Token)
5430	M14	1-11	0800	Sat	171 823 020 35091 47919 71061 ... 04169 25634 95438 823 020 00000	MCW	(Danix)
5560	M14	1-11	0900	Sat	171 823 020 35091 47919 71061 ... 04169 25634 95438 823 020 00000	MCW	(Danix)
5374	M14	7-11	1700	Fri	382 00000	MCW	(Danix)
4975	M14	7-11	1800	Fri	382 00000	MCW	(Danix)
5430	M14	8-11	0800	Sat	171 823 020 35091 47919 71061 ... 04169 25634 95438 823 020 000009 (!)	MCW	(Danix)
5560	M14	8-11	0900	Sat	171 823 020 35091 47919 71061 ... 04169 25634 95438 823 020 00000	MCW	(Danix)
4636	M14	11-11	1820	Tue	186 (R) 275 275 020 020 51059 51059 23438 23438 76167 ... 96823 96823 17105 17105 275 275 020 020 00000	CW	(AB)
4636	M14	11-11	1820	Tue	186 275 020 51059 23438 76167 ... 84274 96823 17105 275 020 00000	MCW	(Danix)
13945	M14	12-11	1305	Wed	ip strong 1345 c/d	CW	(HFD)
4761	M14	12-11	1920	Wed	748-621/020=10844	CW	(HFD)
4761	M14	12-11	1920	Wed	748 621 020 44108 38962 04169 ... 28305 68131 82828 621 020 00000	MCW	(Danix)
5430	M14	15-11	0800	Sat	171 823 020 35091 47919 71061 ... 04169 25634 95438 823 020 00000	MCW	(Danix)
5560	M14	15-11	0900	Sat	171 823 020 35091 47919 71061 ... 04169 25634 95438 823 020 00000	MCW	(Danix)
5126	M14	17-11	2144	Mon	i.p. 98126 20845 81961 96000 87604 73300 = = 426 426 108 108 00000	CW	(JPL-Sib)
5374	M14	21-11	1700	Fri	382 00000	MCW	(Danix)
5374	M14	21-11	1700	Fri	382 382 382 00000	CW	(AB)
5374	M14	21-11	1700	Fri	382 0	CW	(HFD)
4975	M14	21-11	1800	Fri	382 00000	MCW	(Danix)
5430	M14	22-11	0800	Sat	171 823 020 35091 47919 71061 ... 04169 25634 95438 823 020 00000	MCW	(Danix)
5413	M14	22-11	0800	Sat	unreadable	CW	(AB)
5432	M14	22-11	0800	Sat	171	CW	(HFD)
5560	M14	22-11	0900	Sat	171 823 020 35091 47919 71061 ... 04169 25634 95438 823 020 00000	MCW	(Danix)
4636	M14	25-11	1820	Tue	186 275 020 51059 23438 76167 ... 84274 96823 17105 275 020 00000	MCW	(Danix)
4636	M14	25-11	1820	Tue	186-275/020=51059	CW	(HFD)
4761	M14	26-11	1920	Wed	748 621 020 44108 38962 04169 ... 28305 68131 82828 621 020 00000	MCW	(Danix)
4761	M14	26-11	1925	Wed	748-621/020=44108	CW	(HFD)
5430	M14	29-11	0800	Sat	171 823 020 35091 47919 71061 ... 04169 25634 95438 823 020 00000	MCW	(Danix)
5560	M14	29-11	0900	Sat	171 823 020 35091 47919 71061 ... 04169 25634 95438 823 020 00000	MCW	(Danix)
8457	M21	2-11	0813	Sun	=99?1213?9???? =99?1214?9????	CW	(JPL-Sib)
4951	M21	3-11	1711	Mon	=992011?0???? =992012?0????	CW	(JPL-Sib)
3322	M21	3-11	2253	Mon	=990153?0????	CW	(JPL-Sib)
3322	M21	5-11	0155	Wed	Russian Air Defence =990455?0???? (MSK time)	CW	(Faux)
4951.5	M21	5-11	2030	Wed	Russian Air Defence "=92329?0???? =99330?0????	CW	(AAI)
3322	M21	7-11	2005	Fri	=992305?0????	CW	(JPL-Sib)
8457	M21	7-11	2203	Fri	=99?0202?9????	CW	(JPL-Sib)
4951.5	M21	9-11	2256	Sun	Russian Air Defence =99TT5?T???? =99TT58?T????	CW	(AAI)
3322	M21	13-11	1953	Thu	=992254?0????	CW	(JPL-Sib)
3322	M21	14-11	0013	Fri	Russian Air Defence =990313?0????	CW	(Faux)
4951	M21	15-11	0235	Sat	=990536?0???? =990537?0????	CW	(JPL-Sib)
4951.5	M21	19-11	2222	Wed	Russian Air Defence =99T122?T???? =99T123?T????	CW	(AAI)
3572	M21	21-11	2155	Fri	i.p. 974 89965856 54 190 97 48 975 09960876 56	CW	(JPL-Sib)
3322	M21	23-11	0130	Sun	=990431?0???? =990432?0????	CW	(JPL-Sib)
4865.5	M21	23-11	0214	Sun	Russian Air Defence "0513" timestamp	CW	(Faux)
4904	M21	23-11	1933	Sun	=992233?8????	CW	(JPL-Sib)
8457	M21	24-11	1015	Mon	=99?1415?9????	CW	(JPL-Sib)
3222	M21	25-11	1919	Tue	Russian Air Defence =992219?T????	CW	(PPA)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5923	M21	29-11	1723	Sat	Russian Air Defence =99?2120?9???? =17453260923921	CW	(Faux)
6607	M22	9-11	2212	Sun	4XZ: ar ar nw qtc 1 nr 552 =	CW	(LG2)
5064	M23?	20-11	1530	Thu	123 (R2)	MCW	(Danix)
8166	M24	17-11	1800	Mon	262 758 758 106 106 = = 63290 19750 74031 ... 16700 75557 59646 = = 758 758 106 106 00000	CW	(Danix)
6792	M24	17-11	1830	Mon	262 758 758 106 106 = = 63290 19750 74031 ... 16700 75557 59646 = = 758 758 106 106 00000	CW	(Danix)
13945	M24	19-11	1300	Wed	215 874 874 91 91 = = 81181 74906 24051 ... 92031 48572 57683 = = 874 874 91 91 00000	CW	(Danix)
13945	M24	19-11	1306	Wed	215 874 91 81181 74906 04051 ... 92031 48572 57683 = 874 91 00000	CW	(Faux)
11073	M24	19-11	1330	Wed	215 874 874 91 91 = = 81181 74906 24051 ... 92031 48572 57683 = = 874 874 91 91 00000	CW	(Danix)
12207	M24	19-11	1400	Wed	215 874 874 91 91 = = 81181 74906 24051 ... 92031 48572 57683 = = 874 874 91 91 00000	CW	(Danix)
9946	M24	19-11	1430	Wed	215 874 874 91 91 = = 81181 74906 24051 ... 92031 48572 57683 = = 874 874 91 91 00000	CW	(Danix)
13945	M24	26-11	1300	Wed	215 930 930 86 86 = = 07340 64322 35167 ... 09351 06654 77126 = = 930 930 86 86 00000	CW	(Danix)
11073	M24	26-11	1330	Wed	215 930 930 86 86 = = 07340 64322 35167 ... 09351 06654 77126 = = 930 930 86 86 00000	CW	(Danix)
12207	M24	26-11	1400	Wed	215 930 930 86 86 = = 07340 64322 35167 ... 09351 06654 77126 = = 930 930 86 86 00000	CW	(Danix)
9946	M24	26-11	1430	Wed	215 930 930 86 86 = = 07340 64322 35167 ... 09351 06654 77126 = = 930 930 86 86 00000	CW	(Danix)
4648	M32	4-11	0809	Tue	XXX XXX 1QRF 1QRF 92 614 VODOKANAL 4362 9963 FLAKSEDIL 4979 7990 K	CW	(DJPr)
4648	M32	4-11	0818	Tue	XXX XXX 1QRF 1QRF 53345 VODRUVENIE 3228 6368 XXX XXX 1QRF 1QRF 53345 WODRUVENIE 3228 6368 K	CW	(DJPr)
4648	M32	4-11	0822	Tue	XXX XXX 1QRF 1QRF 43491 SODOKU 6402 3774 SMOLXNK 9524 5738 XXX XXX 1QRF 1QRF 43491 SODOKU 6402 3774 SMOLXNK 9524 5738 K	CW	(DJPr)
4648	M32	4-11	0825	Tue	XXX XXX 1QRF 1QRF 41087 SNARDNIK 0112 0314 XXX XXX 1QRF 1QRF 41087 SNARDNIK 0112 0314 K	CW	(DJPr)
4648	M32	4-11	0837	Tue	XXX XXX 1QRF 1QRF 06 258 VKOPKA 4630 1964K	CW	(DJPr)
4648	M32	4-11	0839	Tue	XXX XXX 1QRF 1QRF 13 416 ANGALAMIN 7295 5372k	CW	(DJPr)
4648	M32	4-11	0901	Tue	XXX XXX MSK7 MSK7 56 358 ALAFA 3471 7891K	CW	(DJPr)
4648	M32	4-11	0914	Tue	XXX XXX MSK7 MSK7 48 523 EHKTAZI 9132 5815 K	CW	(DJPr)
4648	M32	4-11	0922	Tue	XXX XXX MSK7 MSK7 11 071 KOWAR 6920 4679 K	CW	(DJPr)
4648	M32	4-11	0924	Tue	XXX XXX MSK7 MSK7 96 250 ZLATAN 1355 9664 XXX XXX MSK7 MSK7 96 250 ZLATAN 1355 9664 K	CW	(DJPr)
4648	M32	4-11	0930	Tue	XXX XXX MSK7 MSK7 39671 VORONA 8370 0826 OKTAMETIL 0957 0968 K	CW	(DJPr)
4648	M32	4-11	0932	Tue	XXX XXX MSK7 MSK7 42409 ANTOLOGI 1355 9664 KWALYGA 3874 4967K	CW	(DJPr)
4648	M32	4-11	0935	Tue	XXX XXX MSK7 MSK7 12275 KILIR 1621 4078K	CW	(DJPr)
4648	M32	4-11	0941	Tue	XXX XXX MSK7 MSK7 62058 FLAGDUK 8752 8702 K	CW	(DJPr)
7640	M32	7-11	1945	Fri	VVVV ZZU ZZU 5736 5736 5736 5736 K. VVVV ZZU ZZU 4983 4983 K	CW	(BCI)
7931	M32	7-11	2001	Fri	MLVT MLVT QTC 460 21 7 2246 460 = BT 4 = M M M M M	CW	(PPA)
6857	M32	8-11	2003	Sat	RGT77 RGT77 057 = MRUZP P P P P P	CW	(PPA)
7931	M32	13-11	1412	Thu	DE 8GD6 QTC K. 8GD6 209 18 13 1704 209 = 554 = .HSOK YPDH\U CBNZE MKC\O (Cont'd)	CW	(JPL-Sib)
4024	M32	13-11	2004	Thu	1R2D DE E3DO QSA? K. 1R2D (Both stations on this frequency) QSA3? K. QSA2 K. R K	CW	(JPL-Sib)
6342	M32	13-11	2022	Thu	RDL RDL RDL 16367 37339 16367 37339 16367 37339 K	CW	(JPL-Sib)
10424	M32	15-11	0215	Sat	DE JTHL QSA? K. JTHL DE ST2U QSA. QSA? K. ZM7G DE JTHL QSA? K	CW	(JPL-Sib)
4442	M32	15-11	1153	Sat	KR6N KR6N KR6N DE KC1F KC1F K. R K. ZM7G ZM7G ZM7G DE KC1F KC1F K	CW	(JPL-Sib)
8509	M32	18-11	0212	Tue	V KLJD DE Y43Y QSA ? K DE KLJD QSA 1 QSA ? K KLJD QSA 2 K	CW	(JPL-Sib)
6883	M32	23-11	1717	Sun	Russian Mil "XXX XXX WEGI 64145 wehrewatj 1717 7906 K"	CW	(Faux)
7789	M32	28-11	0956	Fri	SML1 DE ZBK9 QYT9 K	CW	(JPL-Sib)
3399	M32	28-11	2112	Fri DE CTGY K. QTC K. CTGY 937 34 29 0010 937 =	CW	(JPL-Sib)
7050	M32a	5-11	2205	Wed	i.p. FM 9281 6571 3829 9EEEE FM 3829 6519 8610 NU3896 9541 2710 4780 0802 9687	CW	(JPL-Sib)
4079	M32a	12-11	1755	Wed	XXX XXX RGX89 RGX89 RGV85 RGV85 45297 SRYWATELX 0554 6303 K	CW	(WP3)
5178	M32a	13-11	1403	Thu	UAB86 DE RTH62 QSA? K. EYU23 DE RTH62 QSA? K. UYG79 DE RTH62 QSA? K. ULC85 DE RTH62 QSA? K	CW	(JPL-Sib)
8345	M32a	13-11	1416	Thu	DE RFE76 QSA? K. RMP DE RFE76 QSA 3 K. RMP DE RFE76 Q.. QSA? K.	CW	(JPL-Sib)

[illegible]

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
8072	M89	2-11	0746	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	2-11	0746	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8060	M89	2-11	0749	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
5801	M89	2-11	0751	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
3820	M89	2-11	0751	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
10180	M89	2-11	0751	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10640	M89	2-11	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	2-11	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
5588	M89	2-11	1026	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5177	M89	2-11	1028	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3642	M89	2-11	1500	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	2-11	1500	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3330	M89	2-11	1501	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	2-11	1519	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	2-11	1519	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
6840	M89	2-11	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //N/H	CW	(JPL)
3330	M89	2-11	1807	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	2-11	1808	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	2-11	1808	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	2-11	1809	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	2-11	1809	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
4225	M89	2-11	1811	Sun	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
5657	M89	2-11	1812	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	2-11	1812	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
4860	M89	2-11	1820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	2-11	1820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
4131	M89	2-11	1942	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4188	M89	2-11	1945	Sun	i.p. = = U7TD = = NA6N RPT = = NA6N AS RPT = = 3DT7 R R	CW	(JPL)
6674	M89	2-11	1958	Sun	i.p. UTTU T5UA U745 A5D4 UTTN T4D3 A4NT (Cont'd) AR K	CW	(JPL)
5801	M89	3-11	0228	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	3-11	0228	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	3-11	0230	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	3-11	0230	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
7825	M89	3-11	0232	Mon	(i.p. 75UN 3T6A 4DN3 5DA6 UT47 6NA7 (Cont'd)	CW	(JPL)
5177	M89	3-11	0247	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8072	M89	3-11	1018	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	3-11	1018	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
10180	M89	3-11	1019	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
6840	M89	3-11	1020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	3-11	1020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
5588	M89	3-11	1025	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	3-11	1026	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	3-11	1026	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
4225	M89	3-11	1027	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
6666	M89	3-11	1410	Mon	i.p. NR 12DNA AGN AGN F NR 12/EX 23 40 RMKS 0835 0.1.6 TO = (see N&O 206)	CW	(JPL)
3330	M89	3-11	1658	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	3-11	1659	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	3-11	1659	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4131	M89	3-11	1700	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4132	M89	3-11	1701	Mon	i.p. DP7791 DP7791 AS A2 NIL	CW	(JPL)
4532	M89	3-11	1718	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	3-11	1718	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3820	M89	3-11	1719	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	3-11	1719	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
6840	M89	3-11	1720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
3330	M89	3-11	2251	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	3-11	2254	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	3-11	2254	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4532	M89	3-11	2258	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	3-11	2258	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4131	M89	3-11	2259	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
3820	M89	3-11	2300	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	3-11	2300	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
6575	M89	4-11	0156	Tue	CQ (x3) DE DP91 (x2) V. HR NIL SK GB	CW	(JPL)
8072	M89	4-11	0215	Tue	AGN NR 008 1015 RMKS 1478 TO .../.68/.. = 0868.. V GKLO DE TYUI	CW	(JPL)
5801	M89	4-11	0219	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	4-11	0219	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6840	M89	4-11	0220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	4-11	0220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
8888	M89	4-11	0227	Tue	CQ CQ CQ DE F1VV F1VV F1VV F1VV. 05 05 05 ZAA7DV UD.. TDA .. 3N7T	CW	(JPL)
5801	M89	4-11	0931	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
8072	M89	4-11	0952	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6575	M89	4-11	0957	Tue	CQ (x3) DE DP91 (x2) V. HR NIL SK GB CK HR NIL SK GB HR NIL SK	CW	(JPL)
5588	M89	4-11	1015	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5177	M89	4-11	1016	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8072	M89	4-11	1018	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
4532	M89	4-11	1019	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
6840	M89	4-11	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	4-11	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
3330	M89	4-11	1445	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	4-11	1447	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //N/H	CW	(JPL)
4532	M89	4-11	1448	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
5657	M89	4-11	1449	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	4-11	1449	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
3330	M89	4-11	2209	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	4-11	2210	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	4-11	2210	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3642	M89	4-11	2211	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3820	M89	4-11	2213	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	4-11	2213	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
6840	M89	4-11	2220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
4860	M89	4-11	2220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6575	M89	5-11	0150	Wed	CQ (x3) DE DP91 (x2) V. HR NIL SK GB (Cont'd)	CW	(JPL)
8072	M89	5-11	1049	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	5-11	1049	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
10180	M89	5-11	1052	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	5-11	1052	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
5588	M89	5-11	1053	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6793	M89	5-11	1055	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777//4532//8060	CW	(JPL)
4532	M89	5-11	1055	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793 / 3777 / 8060	CW	(JPL)
3777	M89	5-11	1055	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793 / 4532 / 8060	CW	(JPL)
8060	M89	5-11	1055	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777//4532//6793	CW	(JPL)
3330	M89	5-11	1104	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3820	M89	5-11	1157	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	5-11	1157	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5555	M89	5-11	1158	Wed	i.p. 7G NR 001 CK 2EEEEEE R HR 7G GA 7G NR 001 CK 99 10 EEEEEEE	CW	(JPL)
5177	M89	5-11	1203	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
10180	M89	5-11	1219	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	5-11	1219	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
4860	M89	5-11	1220	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	5-11	1220	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3330	M89	5-11	1750	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	5-11	1751	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3642	M89	5-11	1751	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3777	M89	5-11	1753	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	5-11	1753	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	5-11	1754	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	5-11	1754	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3642	M89	5-11	2137	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	5-11	2137	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3820	M89	5-11	2140	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	5-11	2140	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4131	M89	5-11	2142	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	5-11	2148	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	5-11	2158	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	5-11	2158	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5801	M89	6-11	0830	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	6-11	0830	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	6-11	0832	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	6-11	0832	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8193	M89	6-11	0842	Thu	VV HLV5 HLV5 DE C03X C03X K. VV B8UW B8UW DE C03X C03X K	CW	(JPL)
8055	M89	6-11	0902	Thu	i.p. 3UAT TA5D D7N6 3UA5 D6T5 73NN ND7N (Cont'd) AR I K	CW	(JPL)
7798	M89	6-11	0906	Thu	i.p. UAU3 III = 6D3N 57AD 3AN6 57DN UU34 ANA4 (Cont'd)	CW	(JPL)
5588	M89	6-11	0919	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6840	M89	6-11	0920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
6840	M89	6-11	0920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	6-11	0920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
8060	M89	6-11	0925	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
6793	M89	6-11	0925	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
4444	M89	6-11	0929	Thu	05 05 05 U MSG GA K (Different station) VV 7G GA	CW	(JPL)
3330	M89	6-11	1243	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	6-11	1245	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	6-11	1245	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	6-11	1246	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	6-11	1246	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5145	M89	6-11	1336	Thu	i.p. 5N3A 5DT6 TUAN TTA6 K. R GA K (Both stations on this freq)	CW	(JPL)
4131	M89	6-11	1342	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5657	M89	6-11	1346	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	6-11	1346	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
4532	M89	6-11	1348	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	6-11	1348	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
7602	M89	6-11	1350	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	6-11	1350	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
5380	M89	6-11	1402	Thu	i.p. DA75 T5D4 A374 5457 (Cont'd) III 3P = TA73 UNT5 T57U DUNT (Cont'd)	CW	(JPL)
4444	M89	6-11	1631	Thu	i.p. 66N3 NAU6 ...4 65.. T? (Cont'd) K R RPT 85 W AGN RPT 85W R GA K	CW	(JPL)
3642	M89	6-11	1644	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
4532	M89	6-11	1647	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	6-11	1647	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5657	M89	6-11	1649	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	6-11	1649	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
4131	M89	6-11	1650	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	6-11	1920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
7602	M89	6-11	1925	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	6-11	1925	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3820	M89	6-11	1926	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
4131	M89	6-11	1926	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
7602	M89	7-11	0145	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	7-11	0145	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
5177	M89	7-11	0147	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8072	M89	7-11	0149	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6575	M89	7-11	0200	Fri	CQ (x3) DE DP91 (x2) V (Cont'd)	CW	(JPL)
8072	M89	7-11	0944	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5801	M89	7-11	0950	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	7-11	0950	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5588	M89	7-11	0953	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6575	M89	7-11	0959	Fri	CQ (x3) DE DP91 (x2) V. HR HR NIL SK GB //8470	CW	(JPL)
8470	M89	7-11	1004	Fri	CQ (x3) DE DP91 (x2) V (Cont'd) //6575	CW	(JPL)
5177	M89	7-11	1014	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5467	M89	7-11	1016	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8072	M89	7-11	1016	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5467	CW	(JPL)
6840	M89	7-11	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
3777	M89	7-11	1029	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
5588	M89	7-11	1030	Fri	5633 6T4U ADT7 7AU5 N55T 6TT7 (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
6840	M89	7-11	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
3330	M89	7-11	1325	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	7-11	1327	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
5657	M89	7-11	1329	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	7-11	1329	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
4131	M89	7-11	1334	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4532	M89	7-11	1349	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	7-11	1349	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
8888	M89	7-11	1350	Fri	i.p. 5N.T UA4 U4.3 364. NR .16 CK .. 45 1 08 .. = AR AR	CW	(JPL)
4131	M89	7-11	1600	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	7-11	1602	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	7-11	1604	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	7-11	1604	Fri	i.p. 367U T46N 43UT U67D (Cont'd)	CW	(JPL)
3777	M89	7-11	1616	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
5657	M89	7-11	1617	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	7-11	1617	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
6840	M89	7-11	1620	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
4247	M89	7-11	1624	Fri	AR K. R BT N7U4 N7U4 K. R = ... DT.. K	CW	(JPL)
3330	M89	7-11	1937	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	7-11	1938	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	7-11	1938	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	7-11	1940	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	7-11	1940	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	7-11	1942	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	7-11	1942	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4131	M89	7-11	1944	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4092	M89	7-11	2011	Fri	i.p. RMKS 62.2 TO 6.3. AR K. R R HR GA = A437 ... N5NTDN7TT47DTT3 (Cont'd)	CW	(JPL)
4131	M89	7-11	2145	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
7602	M89	7-11	2146	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	7-11	2146	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
5801	M89	8-11	0354	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	8-11	0354	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5657	M89	9-11	1641	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	9-11	1641	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
3330	M89	9-11	1643	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	9-11	1645	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	9-11	1645	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5500	M89	9-11	1646	Sun	V 7NP3 (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3642	M89	9-11	1652	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	9-11	1652	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	9-11	1654	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	9-11	2019	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4860	M89	9-11	2020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
5500	M89	9-11	2025	Sun	V 7NP3 (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
7602	M89	9-11	2026	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	9-11	2026	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3777	M89	9-11	2027	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	9-11	2027	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5657	M89	9-11	2028	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	9-11	2029	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
4131	M89	9-11	2033	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
10421	M89	10-11	0946	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8072	M89	10-11	0946	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
5801	M89	10-11	0951	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	10-11	0951	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5177	M89	10-11	0953	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8470	M89	10-11	1000	Mon	CQ (x3) DE DP91 (x2) V (Cont'd) PSE F YY F LL TO HR //6575	CW	(JPL)
6575	M89	10-11	1000	Mon	CQ (x3) DE DP91 (x2) V (Cont'd) //8470	CW	(JPL)
6840	M89	10-11	1020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	10-11	1020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
5588	M89	10-11	1026	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5247	M89	10-11	1030	Mon	i.p. 75NA 6U7U UT73 463T AD7T (Cont'd)	CW	(JPL)
3330	M89	10-11	1417	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4860	M89	10-11	1420	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	10-11	1420	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
7602	M89	10-11	1425	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	10-11	1425	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4532	M89	10-11	1426	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	10-11	1426	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5657	M89	10-11	1428	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	10-11	1428	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
4131	M89	10-11	1433	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5390	M89	10-11	1705	Mon	i.p. D3UA D63A 4TA3 3DNU T53T NDAD (Cont'd) See N&O 206	CW	(JPL)
5220	M89	10-11	1719	Mon	i.p. 6D4N A7AU 4NTA 6T73 35T5? 35T5 ? 35T3 U75T 6NDT (Cont'd)	CW	(JPL)
6840	M89	10-11	1723	Mon	VVV Q2M de NYZ	CW	(Faux)
6840	M89	10-11	2020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
4860	M89	10-11	2020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
3642	M89	10-11	2023	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	10-11	2023	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	10-11	2024	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3820	M89	10-11	2026	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //565	CW	(JPL)
5657	M89	10-11	2026	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3330	M89	10-11	2027	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	10-11	2030	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	10-11	2030	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
8470	M89	11-11	0211	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
5801	M89	11-11	0219	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	11-11	0219	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10640	M89	11-11	0220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	11-11	0220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
8072	M89	11-11	0223	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5500	M89	11-11	0228	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd) //N/H	CW	(JPL)
8060	M89	11-11	0233	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
5801	M89	11-11	0235	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	11-11	0235	Tue	i.p. 04 6384 6578 6574 = BT A575 UA ? //5801 (See N&O 206)	CW	(JPL)
10191	M89	11-11	0246	Tue	B9SR (x3) DE AL6R (x2) QSA NO QSY 69462 69462 K	CW	(JPL)
5380	M89	11-11	0306	Tue	VV DJR2 DE DP00 K (DP Zero Zero) R 40UY DE CS8Z R QSA 2 QSA? K (see N&O 206)	CW	(JPL)
10180	M89	11-11	1059	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	11-11	1059	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
3820	M89	11-11	1109	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	11-11	1109	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5177	M89	11-11	1112	Tue	i.p. 4674 5T46 II 55? 55UD AA63 6N3T (Cont'd)	CW	(JPL)
5225	M89	11-11	1125	Tue	i.p. 99 23 1111 1200 RMKS CQ = AR K. HR MSG GA	CW	(JPL)
4225	M89	11-11	1247	Tue	V 7NP3 (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
4532	M89	11-11	1249	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	11-11	1249	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3642	M89	11-11	1250	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	11-11	1250	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3330	M89	11-11	1251	Tue	i.p. NT67 57N4 T4AD UNT6 34U4 (Cont'd)	CW	(JPL)
3330	M89	11-11	1857	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	11-11	1858	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	11-11	1858	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4532	M89	11-11	1859	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	11-11	1859	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5657	M89	11-11	1900	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	11-11	1900	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
4131	M89	11-11	1905	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	11-11	2120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
4860	M89	11-11	2120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
3330	M89	11-11	2124	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	11-11	2130	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4416	M89	11-11	2130	Tue	i.p. = 73AT 73AT UT56 UT56. R RPT = 5.N4 56N4	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
3642	M89	11-11	2130	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4532	M89	11-11	2131	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	11-11	2131	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5657	M89	11-11	2143	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	11-11	2143	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
8470	M89	12-11	0206	Wed	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
8072	M89	12-11	0951	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	12-11	0951	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
5801	M89	12-11	0953	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	12-11	0953	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3777	M89	12-11	0956	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	12-11	0956	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5177	M89	12-11	0958	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6575	M89	12-11	1002	Wed	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
6988	M89	12-11	1013	Wed	i.p. D7ND T5N7 D7AT (see N&O 206)	CW	(JPL)
5588	M89	12-11	1030	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
8470	M89	13-11	0156	Thu	CQ (x3) DE DP91 (x2) V NIL SK GN	CW	(JPL)
10180	M89	13-11	0213	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	13-11	0213	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
6840	M89	13-11	0220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	13-11	0220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
10421	M89	13-11	0223	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8072	M89	13-11	0223	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
5588	M89	13-11	1059	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3781	M89	13-11	1100	Thu	i.p. TNU6 DU5N 6UTA N5.3 6UN4 (Cont'd)	CW	(JPL)
5177	M89	13-11	1119	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5197	M89	13-11	1120	Thu	i.p. AT57 A6D7 NN34 DADU A75D 47N4 (Cont'd)	CW	(JPL)
3820	M89	13-11	1146	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	13-11	1146	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3330	M89	13-11	1147	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5700	M89	13-11	1149	Thu	i.p. U3D5 T43N 4U35 U7A4 5N6D (Cont'd) AR K	CW	(JPL)
10180	M89	13-11	1157	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	13-11	1157	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
4532	M89	13-11	1159	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	13-11	1159	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3330	M89	13-11	1201	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4860	M89	13-11	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	13-11	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3642	M89	13-11	1354	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	13-11	1354	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	13-11	1356	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
4131	M89	13-11	1357	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	13-11	1420	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
4625	M89	13-11	1544	Thu	i.p. 3NUU T766 45NT TTD4 (Cont'd) AR K. V GJ..	CW	(JPL)
5562	M89	13-11	1600	Thu	i.p. 73A4 N4AN 543D 4U53 UU5N 6U63 (Cont'd) 05 (Cont'd)	CW	(JPL)
5555	M89	13-11	1612	Thu	i.p. = 6665 6656 5.7665656DNAR N = BT 6565675D65M 6E. 657DN AR K	CW	(JPL)
3330	M89	13-11	1944	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	13-11	1945	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	13-11	1945	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	13-11	1946	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	13-11	1946	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	13-11	1947	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5657	M89	13-11	1947	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4131	M89	13-11	2006	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
10180	M89	14-11	1135	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	14-11	1135	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
8073	M89	14-11	1148	Fri	i.p. 473A N7U5 AR AR AR	CW	(JPL)
3820	M89	14-11	1155	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	14-11	1155	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5177	M89	14-11	1157	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd) //N/H	CW	(JPL)
3330	M89	14-11	1203	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4243	M89	14-11	1205	Fri	i.p. 3UN3 5437 3N3D (Cont'd) AR 7G.. 8CB EEEE NR 2E EEEEE	CW	(JPL)
4631	M89	14-11	1213	Fri	i.p. /EX .1.3 RMKS 194. TO 1757 K K = 7CJO/O. FX K K	CW	(JPL)
3777	M89	14-11	1230	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	14-11	1230	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3330	M89	14-11	1713	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	14-11	1714	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	14-11	1714	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4532	M89	14-11	1715	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	14-11	1715	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3820	M89	14-11	1716	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	14-11	1716	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	14-11	1720	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	14-11	1720	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3330	M89	14-11	2114	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	14-11	2117	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	14-11	2117	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	14-11	2119	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	14-11	2119	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
4860	M89	14-11	2120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	14-11	2120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3820	M89	14-11	2125	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	14-11	2125	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4131	M89	14-11	2126	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd) //N/H	CW	(JPL)
8470	M89	15-11	0159	Sat	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
6575	M89	15-11	0202	Sat	CQ (x3) DE DP91 (x2) V (Cont'd) //8470	CW	(JPL)
8072	M89	15-11	0219	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
7602	M89	15-11	0222	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	15-11	0222	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
5177	M89	15-11	0239	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5801	M89	15-11	1103	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	15-11	1103	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3777	M89	15-11	1107	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	15-11	1107	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5588	M89	15-11	1110	Sat	VVV FF CQ 63 RMKS 2867-00619745374767/6487 UGT COMM =	CW	(JPL)
10180	M89	15-11	1119	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	15-11	1119	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
6840	M89	15-11	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
5177	M89	15-11	1125	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5685	M89	15-11	1127	Sat	i.p. 3TUD T46N UA63 67.U 4ND5 D5TN (see N&O 206)	CW	(JPL)
5657	M89	15-11	1145	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	15-11	1145	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
4532	M89	15-11	1146	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	15-11	1146	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5588	M89	15-11	1148	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	15-11	1518	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
6840	M89	15-11	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
4131	M89	15-11	1525	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd) //N/H	CW	(JPL)
3657	M89	15-11	1533	Sat	i.p. mostly unreadable	CW	(JPL)
3330	M89	15-11	1535	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3820	M89	15-11	1537	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	15-11	1537	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3330	M89	17-11	1301	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	17-11	1303	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	17-11	1303	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4532	M89	17-11	1305	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	17-11	1305	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5657	M89	17-11	1306	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	17-11	1306	Mon	i.p. AR QSL ? K HR WK NR 36	CW	(JPL)
4606	M89	17-11	1313	Mon	VV DJP8 DE DJN4 K. JT4 DE F4MR QSA 2 QSA ? K	CW	(JPL)
4131	M89	17-11	1313	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	17-11	1320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	17-11	1320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
7602	M89	17-11	1755	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	17-11	1755	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4131	M89	17-11	1757	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4532	M89	17-11	1758	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	17-11	1758	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3820	M89	17-11	1759	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
3330	M89	17-11	1844	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6840	M89	17-11	2120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	17-11	2120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	17-11	2123	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	17-11	2125	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
4532	M89	17-11	2126	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	17-11	2126	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3820	M89	17-11	2127	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	17-11	2127	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4131	M89	17-11	2139	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8470	M89	18-11	0158	Tue	CQ (x3) DE DP91 (x2) V NIL SK NB NIL SK BN //6575	CW	(JPL)
6575	M89	18-11	0159	Tue	CQ (x3) DE DP91 (x2) V (Cont'd) //8470	CW	(JPL)
10180	M89	18-11	0211	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	18-11	0211	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
8072	M89	18-11	0219	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //N/H	CW	(JPL)
10640	M89	18-11	0220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //N/H	CW	(JPL)
5177	M89	18-11	0225	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8060	M89	18-11	0750	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //N/H	CW	(JPL)
8072	M89	18-11	0753	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //N/H	CW	(JPL)
10180	M89	18-11	0757	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	18-11	0757	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
5588	M89	18-11	0806	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
9131	M89	18-11	0856	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8072	M89	18-11	0856	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //9131	CW	(JPL)
3330	M89	18-11	1338	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	18-11	1339	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	18-11	1339	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5657	M89	18-11	1340	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	18-11	1340	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5500	M89	18-11	1342	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
7602	M89	18-11	1346	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	18-11	1346	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4131	M89	18-11	1353	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4416	M89	18-11	2026	Tue	i.p. NA53 ADN6 6A6T 64AN (Cont'd) AR K = D5A6 D.A6 D5A6 (Cont'd) ZSK	CW	(JPL)
4131	M89	18-11	2245	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5246	M89	18-11	2249	Tue	i.p. AAU4 T6TN U66T UNDT 5DN4 NU4D AR K (see N&O 206)	CW	(JPL)
3330	M89	21-11	2146	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	21-11	2147	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	21-11	2147	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4532	M89	21-11	2149	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	21-11	2149	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5657	M89	21-11	2150	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	21-11	2150	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
3642	M89	22-11	0145	Sat	[V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	22-11	0145	Sat	[V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	22-11	0147	Sat	[V JKDJ (x3) DE SLBC (x2) (Cont'd) //N/H	CW	(JPL)
8072	M89	22-11	0149	Sat	[V GKLO (x3) DE TYUI (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	22-11	0149	Sat	[V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8470	M89	22-11	0158	Sat	[CQ (x3) DE DP91 (x2) V NIL SK GB //6575	CW	(JPL)
6574	M89	22-11	0158	Sat	[CQ (x3) DE DP91 (x2) V (Cont'd) //8470	CW	(JPL)
10180	M89	22-11	0952	Sat	[V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	22-11	0952	Sat	[V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
8072	M89	22-11	0954	Sat	[V GKLO (x3) DE TYUI (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	22-11	0954	Sat	[V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8060	M89	22-11	0956	Sat	[V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
6793	M89	22-11	0956	Sat	[V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8470	M89	22-11	1000	Sat	[CQ (x3) DE DP91 (x2) V (Cont'd) HR NIL SK GB	CW	(JPL)
8055	M89	22-11	1014	Sat	[i.p. DNT5 7D5D N... 7.76 (Cont'd)	CW	(JPL)
5837	M89	22-11	1019	Sat	[i.p. 46UU DTTA T3A5 ATA7 (Cont'd) III NR 369 =	CW	(JPL)
6840	M89	22-11	1020	Sat	[VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	22-11	1020	Sat	[VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	22-11	1320	Sat	[VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
3642	M89	22-11	1323	Sat	[V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	22-11	1323	Sat	[V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4532	M89	22-11	1325	Sat	[V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	22-11	1325	Sat	[V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5177	M89	22-11	1328	Sat	[V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	22-11	1400	Sat	[i.p. 97/.7../35/2230/23.. 6487 = 67197/4746/2230/MEEEE /23/NR/648 EEEE /6487 AR	CW	(JPL)
6666	M89	22-11	1603	Sat	[BNGC DE XSV85 (see N&O 206]	CW	(JPL)
3330	M89	22-11	1623	Sat	[i.p. T63N 6N56 DNT3 6UAT 6A57 (Cont'd) FM 4UNU DU76 N7NT UA76 6A5A (Cont'd)	CW	(JPL)
5588	M89	22-11	2350	Sat	[V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4131	M89	23-11	0136	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
7602	M89	23-11	0137	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	23-11	0137	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
8072	M89	23-11	0139	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //N/H	CW	(JPL)
6575	M89	23-11	0200	Sun	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8470	CW	(JPL)
8470	M89	23-11	0201	Sun	CQ (x3) DE DP91 (x2) V (Cont'd) //6575	CW	(JPL)
10640	M89	23-11	0220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	23-11	0220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
3330	M89	23-11	1301	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	23-11	1303	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	23-11	1303	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3820	M89	23-11	1306	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	23-11	1306	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
6840	M89	23-11	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	23-11	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3461	M89	23-11	1521	Sun	i.p. RZ3Y ... 6SW QSA 2 QSA ? K R NIL SK	CW	(JPL)
7602	M89	23-11	1545	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	23-11	1546	Sun	i.p. NR 344 2330 RMKS 63.4 TO 6664/6354 =	CW	(JPL)
3777	M89	23-11	1557	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	23-11	1557	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3330	M89	23-11	1559	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3820	M89	23-11	1600	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	23-11	1600	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4131	M89	23-11	1603	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	23-11	1824	Sun	VVV Q2M de NYZ	CW	(Faux)
4860	M89	23-11	1920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	23-11	1920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	23-11	1926	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4131	M89	23-11	1930	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4532	M89	23-11	1931	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	23-11	1931	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3820	M89	23-11	1938	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	23-11	1938	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3330	M89	23-11	2300	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3820	M89	23-11	2303	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	23-11	2303	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
7602	M89	23-11	2306	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	23-11	2306	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
6793	M89	23-11	2311	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777 and 8060	CW	(JPL)
8060	M89	23-11	2311	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793 and 3777	CW	(JPL)
3777	M89	23-11	2311	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793 and 8060	CW	(JPL)
4131	M89	23-11	2318	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4860	M89	23-11	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	23-11	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
8072	M89	24-11	0140	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	24-11	0140	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
5177	M89	24-11	0144	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3642	M89	24-11	0146	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	24-11	0146	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
8470	M89	24-11	0159	Mon	CQ (x3) DE DP91 (x2) V (Cont'd) NIL SK GB (/freq is also 8470 kHz!)	CW	(JPL)
5588	M89	24-11	0948	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5801	M89	24-11	0952	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	24-11	0952	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
9131	M89	24-11	0953	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6575	M89	24-11	1001	Mon	CQ (x3) DE DP91 (x2) V (Cont'd) //8470	CW	(JPL)
8470	M89	24-11	1002	Mon	CQ (x3) DE DP91 (x2) V GB NIL SK //6575	CW	(JPL)
6840	M89	24-11	1020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	24-11	1020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5823	M89	24-11	1032	Mon	i.p. N5A7 DNAT U345 67DN A453 U67T TDN7 (Cont'd) AR T	CW	(JPL)
5451	M89	24-11	1040	Mon	i.p. III AR	CW	(JPL)
5454	M89	24-11	1047	Mon	i.p. DU6N TU54 6T76 5N44 (Cont'd)	CW	(JPL)
4780	M89	24-11	1054	Mon	i.p. 57TD 3A4N 6AUU NAU4 NDAN 7356 III 3P3P KK = 3U5. 46DN 4577 NU74 ANND UU7.	CW	(JPL)
6666	M89	24-11	1104	Mon	i.p. T43. 4UT4 6AA7 773? 77UA U474 5453 (Cont'd) AR R K	CW	(JPL)
5555	M89	24-11	1108	Mon	i.p. 7D3N 7N3T 4D5U 6A3N 4T7U (Cont'd) III	CW	(JPL)
3330	M89	24-11	1113	Mon	i.p. N3DT 3NAD D44T5A347 D44T UT34 (Cont'd) = 4U6T	CW	(JPL)
4860	M89	24-11	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	24-11	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3777	M89	24-11	1125	Mon	i.p. 35/.010/11/.4/1955/008/.1/68 AR UGT COMM = 731/2435/2010/11/23/1955/008/A/01/68 AR	CW	(JPL)
4532	M89	24-11	1125	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	24-11	1129	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	24-11	1129	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4225	M89	24-11	1131	Mon	i.p. 75 AR VV UGT COMM = 9735/2000/Z67/5475 AR	CW	(JPL)
3330	M89	24-11	1815	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	24-11	1817	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3820	M89	24-11	1818	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
4225	M89	24-11	1819	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
4532	M89	24-11	1819	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	24-11	1819	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
6840	M89	24-11	1820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	24-11	1820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
8470	M89	25-11	1006	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6575	CW	(JPL)
6575	M89	25-11	1006	Tue	CQ (x3) DE DP91 (x2) V (Cont'd) //8470	CW	(JPL)
10640	M89	25-11	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	25-11	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
8086	M89	25-11	1036	Tue	i.p. GGA K K R 1W = (see N&O 206)	CW	(JPL)
8072	M89	25-11	1036	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	25-11	1036	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
5561	M89	25-11	1051	Tue	i.p. 7 19 65N RMKS 6719 TO 6872 65 RMKS 6819 TO 687U K	CW	(JPL)
5801	M89	25-11	1107	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	25-11	1107	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3330	M89	25-11	1310	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	25-11	1313	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	25-11	1313	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5657	M89	25-11	1314	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	25-11	1314	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
10180	M89	25-11	1318	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	25-11	1318	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
4860	M89	25-11	1320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	25-11	1320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3642	M89	25-11	1419	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	25-11	1433	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3330	M89	25-11	1436	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3748	M89	25-11	1450	Tue	i.p. T3DT NN4A A7TU NDA7 D6A3 A676 7D55 7734 (Cont'd)	CW	(JPL)
4131	M89	25-11	1609	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5588	M89	25-11	1958	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
8072	M89	26-11	0128	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
4131	M89	26-11	0135	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd) //N/H	CW	(JPL)
3642	M89	26-11	0138	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	26-11	0138	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
6575	M89	26-11	0157	Wed	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8470	CW	(JPL)
8470	M89	26-11	0200	Wed	CQ (x3) DE DP91 (x2) V (Cont'd) //6575	CW	(JPL)
7602	M89	26-11	1730	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	26-11	1730	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4131	M89	26-11	1731	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd) //N/H	CW	(JPL)
5657	M89	26-11	1733	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //N/H	CW	(JPL)
3777	M89	26-11	1739	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //Not checked	CW	(JPL)
8072	M89	27-11	0126	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	27-11	0126	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
7602	M89	27-11	0128	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	27-11	0128	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4131	M89	27-11	0132	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8470	M89	27-11	0200	Thu	CQ (x3) DE DP91 (x2) V NIL SK GB //6575	CW	(JPL)
6475	M89	27-11	0204	Thu	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8470	CW	(JPL)
8072	M89	27-11	1107	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	27-11	1107	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
4532	M89	27-11	1110	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	27-11	1110	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3330	M89	27-11	1111	Thu	i.p. 4DT6 AUT4 UND4 364U D57T (Cont'd) III = 4U6T	CW	(JPL)
6840	M89	27-11	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	27-11	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5555	M89	27-11	1130	Thu	i.p. DE S6K0 N QSA 2 QSA ? K (see N&O 206)	CW	(JPL)
8073	M89	27-11	1140	Thu	BNGC (x3) DE XSV85 (x2) (see N&O 206)	CW	(JPL)
3758	M89	27-11	1251	Thu	i.p. TUN4 75N6 AU6T AA56 (Cont'd) AR RPT K 37W = DNAA DNAA AR K OK	CW	(JPL)
7602	M89	27-11	2216	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
4131	M89	27-11	2218	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4532	M89	27-11	2219	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	27-11	2219	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4860	M89	27-11	2220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	27-11	2220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	28-11	0944	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
10180	M89	28-11	0950	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	28-11	0950	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
8072	M89	28-11	0953	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	28-11	0953	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8470	M89	28-11	0957	Fri	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6575	CW	(JPL)
6575	M89	28-11	1000	Fri	CQ (x3) DE DP91 (x2) V (Cont'd) //8470	CW	(JPL)
3777	M89	28-11	1015	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	28-11	1015	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
10640	M89	28-11	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	28-11	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
5177	M89	28-11	1058	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4578	M89	28-11	1100	Fri	i.p. 3NNN AUUD D3D4 N74A 5374 III III = (see N&O 206)	CW	(JPL)
3777	M89	28-11	1349	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	28-11	1349	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5657	M89	28-11	1350	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3820	M89	28-11	1350	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
3330	M89	28-11	1403	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3400	M89	28-11	1407	Fri	i.p. MSG GNR NR 08 CK 100 29 1128 2.0 RMKS ... 4 TO45 =	CW	(JPL)
3595	M89	28-11	1415	Fri	i.p. RPT 62W K. RPT 52W K. R QSL 2216 K. R LSB WK K	CW	(JPL)
3642	M89	28-11	1421	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	28-11	1423	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3820	M89	28-11	1424	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
3777	M89	28-11	2056	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3642	M89	28-11	2058	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
4532	M89	28-11	2115	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
3820	M89	28-11	2118	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	28-11	2118	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	28-11	2120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	28-11	2120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
8096	M98a	12-11	1411	Wed	Cuban cut nbrs	CW	(DSch)
8834	MC03	4-11	0945	Tue	Chinese Air Defense i.p.: RR6292.6393RF 8270519289631. 44 FF 44 10520578 2095 ...	CW	(JPL-Sib)
8073	MC03	13-11	1203	Thu	773TU T773 35 34T3 NN34 3646 7 3D44 (Cont'd - groups runned together)	CW	(JPL-HK)
5139	MC03	13-11	2010	Thu	5UU UA6644 AA3 TN. 5UU UA5U6N AAT TN. 5UU UA6645 .ND764U AT6 AT	CW	(JPL-Sib)
5139	MC03	23-11	1934	Sun	i.p. 5UU UA645D 64NAN3D AU4 3U. 5UU UA56UU 6N.N475 D 3U. 5UU UA56A6 6NN4A7N ATT 3U	CW	(JPL-Sib)
20096	MX	2-11	1150	Sun	Beacon "C"	CW	(John)
20096	MX	2-11	1305	Sun	Beacon "C"	CW	(AB)
16331.7	MX	2-11	1504	Sun	Beacon "D" Sevastopol/Odessa	CW	(MPJ)
16332	MX	2-11	1505	Sun	Beacon "C" Moscow	CW	(MPJ)
8497.8	MX	3-11	1802	Mon	Beacon "L"	CW	(AB)
6817.5	MX	3-11	1802	Mon	Beacon "L"	CW	(AB)
6917.5	MX	5-11	0758	Wed	Beacon "L" St Petersburg	CW	(AB)
6917.5	MX	5-11	1405	Wed	Beacon "L" Sankt Peterburg	CW	(MPJ)
20047.7	MX	8-11	0754	Sat	Beacon "D" Sevastopol	CW	(WP3)
7091.2	MX	9-11	2146	Sun	Beacon "V" (ISB offset 400Hz)	CW/ISB	(AB)
6917.5	MX	9-11	2149	Sun	Beacon "L" St Petersburg	CW	(AB)
8497.8	MX	9-11	2149	Sun	Beacon "L" St Petersburg	CW	(AB)
5153.9	MX	9-11	2156	Sun	Beacon "S" Severomorsk	CW	(AB)
5153.7	MX	9-11	2156	Sun	Beacon "D" Sevastopol	CW	(AB)
20047.7	MX	10-11	1343	Mon	Beacon "D" Sevastopol	CW	(LG2)
20048	MX	10-11	1343	Mon	Beacon "C" Moscow	CW	(LG2)
20047.9	MX	10-11	1343	Mon	Beacon "S" Severomorsk	CW	(LG2)
3593.9	MX	12-11	0016	Wed	Beacon "S" Severomorsk	CW	(LG2)
10871.7	MX	13-11	0743	Thu	Beacon "D" Sevastopol	CW	(LG2)
10871.9	MX	13-11	0743	Thu	Beacon "S" Severomorsk	CW	(LG2)
10872	MX	13-11	0743	Thu	Beacon "C" Moscow	CW	(LG2)
5153.7	MX	13-11	2139	Thu	Beacon "D" Sevastopol	CW	(LG2)
5154	MX	15-11	1149	Sat	Beacon "M" Magadan	CW	(JPL-Sib)
8494.9	MX	15-11	2036	Sat	Beacon "S" Severomorsk	CW	(AAI)
16332	MX	20-11	1300	Thu	Beacon "C" Moscow	CW	(G7PXX)
17331.7	MX	20-11	1301	Thu	Beacon "D" Sevastopol	CW	(G7PXX)
16331.9	MX	20-11	1303	Thu	Beacon "S" Severomorsk	CW	(G7PXX)
13528	MX	20-11	1304	Thu	Beacon "C" Moscow	CW	(G7PXX)
13527.7	MX	20-11	1306	Thu	Beacon "D" Sevastopol	CW	(G7PXX)
20047.7	MX	22-11	1037	Sat	Beacon "D" Sevastopol/Odessa	CW	(MPJ)
20047.9	MX	22-11	1038	Sat	Beacon "S" Severomorsk	CW	(MPJ)
20048	MX	22-11	1039	Sat	Beacon "C" Moscow	CW	(MPJ)
16331.8	MX	22-11	1550	Sat	Beacon "P" Kaliningrad	CW	(AAI)
6917.5	MX	22-11	2144	Sat	Beacon "L" St Petersburg	CW	(AAI)
7039.7	MX	23-11	2045	Sun	Beacon "D" Sevastopol/Odessa	CW	(MPJ)
7039.8	MX	23-11	2046	Sun	Beacon "P" Kaliningrad	CW	(MPJ)
7039.9	MX	23-11	2047	Sun	Beacon "S" Severomorsk	CW	(MPJ)
20096	MX	24-11	1140	Mon	Marker "C"	CW	(G7PXX)
6943	s06	1-11	1600	Sat	194-780/36=05231	USB	(HFD)
6943	S06	1-11	1600	Sat	194 780 36	USB	(Danix)
5786	s06	1-11	1610	Sat	194	USB	(HFD)
3832	S06	1-11	1935	Sat	396 425 37	USB	(Danix)
3892	s06	1-11	1935	Sat	396 0	USB	(HFD)
4022	S06	1-11	2000	Sat	362 00000	USB	(Danix)
4022	s06	1-11	2000	Sat	362 0	USB	(HFD)
4612	S06	1-11	2030	Sat	621 00000	USB	(Danix)
4612	s06	1-11	2030	Sat	621 0	USB	(HFD)
3368	s06	1-11	2100	Sat	362 0	USB	(HFD)
4026	S06	1-11	2130	Sat	621 00000	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4026	s06	1-11	2130	Sat	621 0	USB	(HFD)
3838	S06	3-11	1905	Mon	349 00000	USB	(Danix)
3838	s06	3-11	1905	Mon	349 0	USB	(HFD)
3838	S06	6-11	1905	Thu	349 00000	USB	(Danix)
7971	S06	7-11	2000	Fri	278 00000	USB	(Danix)
7971	S06	7-11	2003	Fri	278 278 278 00000	AM	(PPA)
5909	S06	7-11	2100	Fri	278 00000	USB	(Danix)
5786	S06	8-11	1605	Sat	194 00000	USB	(Danix)
3842	S06	8-11	1935	Sat	396 00000	USB	(Danix)
3838	s06	10-11	1905	Mon	349 0	USB	(HFD)
19875	S06	13-11	0830	Thu	842 970 31 72157 09772 41089 ... 64047 42678 70654 970 31 00000	USB	(Danix)
3838	S06	13-11	1905	Thu	349 00000	USB	(Danix)
3838	s06	13-11	1905	Thu	349 0	USB	(HFD)
5786	S06	15-11	1605	Sat	194 00000	USB	(Danix)
3169	S06	15-11	1930	Sat	396 00000	USB	(Danix)
4024	S06	15-11	2000	Sat	362 00000	USB	(Danix)
4616	S06	15-11	2030	Sat	621 00000	USB	(Danix)
4036	S06	15-11	2130	Sat	621 00000	USB	(Danix)
3838	s06	17-11	1905	Mon	349 0	USB	(HFD)
3838	S06	17-11	1905	Mon	349 00000	USB	(Danix)
3838	S06	20-11	1905	Thu	349 349 349 00000	USB	(AB)
7971	S06	21-11	2000	Fri	278 00000	USB	(Danix)
5909	S06	21-11	2100	Fri	278 00000	USB	(Danix)
5786	S06	22-11	1605	Sat	194 00000	USB	(Danix)
6943	s06	22-11	1605	Sat	194 0	USB	(HFD)
3842	s06	22-11	1935	Sat	396 0	USB	(HFD)
3842	S06	22-11	1935	Sat	396 00000	USB	(Danix)
3838	S06	24-11	1905	Mon	349 00000	USB	(Danix)
19875	S06	27-11	0806	Thu	Strong carrier followed at 1812z by a test 0123456789 followed by a much weaker test (an other antenna or direction?)	USB	(Avare)
19875	S06	27-11	0830	Thu	842 709 33 09537 80757 85929 ... 59017 36655 34511 709 33 00000	USB	(Avare)
3838	s06	27-11	1905	Thu	349 0	USB	(HFD)
7823	S06c	27-11	0815	Thu	11625	USB	(Danix)
8680	s06s	1-11	1200	Sat	254-819/6=17263	USB	(HFD)
8680	S06s	1-11	1200	Sat	254 819 6 17263 89173 45637 22907 23567 68891	USB	(Danix)
8260	s06s	1-11	1210	Sat	254	USB	(HFD)
8260	S06s	1-11	1210	Sat	254 819 6 17263 89173 45637 22907 23567 68891	USB	(Danix)
5420	S06s	1-11	2100	Sat	874 318 9 82795 99434 71556 83971 03398 66805 98865 45964 29474	USB	(Danix)
4543	S06s	1-11	2110	Sat	874 318 9 82795 99434 71556 83971 03398 66805 98865 45964 29474	USB	(Danix)
13470	S06s	2-11	0630	Sun	524 983 6 35479 30050 45056 31397 33732 64535	USB	(Danix)
13470	S06s	2-11	0630	Sun	524 983 6 35479 30050 45056 31397 33732 64535 983 6 00000	AM	(AB)
13470	s06s	2-11	0630	Sun	524-983/6=35479	USB	(HFD)
16515	S06s	2-11	0640	Sun	524 983 6 35479 30050 45056 31397 33732 64535	USB	(Danix)
16515	s06s	2-11	0640	Sun	524	USB	(HFD)
16515	S06s	2-11	0640	Sun	524 983 6 35479 30050 45056 31397 33732 64535 983 6 00000	AM	(AB)
6262	S06s	3-11	0405	Mon	127 302 18 49711 63258 87613 95086 31910 65625 94603 94027 13253 95086 31910 65625 38984 52523 02630 38984 52523 02630	LSB	(Danix)
7010	S06s	3-11	0415	Mon	127 302 18 49711 63258 87613 95086 31910 65625 94603 94027 13253 95086 31910 65625 38984 52523 02630 38984 52523 02630	LSB	(Danix)
8057	S06s	3-11	0830	Mon	371 982 5 47665 94092 48521 63888 92060	USB	(Danix)
8530	S06s	3-11	0840	Mon	371 982 5 47665 94092 48521 63888 92060	USB	(Danix)
14675	S06s	3-11	0900	Mon	872 931 5 46062 58672 97478 39685 30485 931 5 00000	USB	(AB)
14675	S06s	3-11	0900	Mon	872 931 5 46062 68672 97478 39685 30485	USB	(Danix)
14675	s06s	3-11	0900	Mon	872-931/5=46062	USB	(HFD)
12830	s06s	3-11	0910	Mon	872	USB	(HFD)
12830	S06s	3-11	0910	Mon	872 931 5 46062 58672 97478 39685 30485 931 5 00000	USB	(AB)
12830	S06s	3-11	0910	Mon	872 931 5 46062 68672 97478 39685 30485	USB	(Danix)
8420	s06s	3-11	1300	Mon	831-502/6=83193	USB	(HFD)
8420	S06s	3-11	1300	Mon	831 502 6 83193 83561 74028 73822 83003 82540	USB	(Danix)
10635	S06s	3-11	1310	Mon	831 502 6 83193 83561 74028 73822 83003 82540	USB	(Danix)
10635	s06s	3-11	1310	Mon	831	USB	(HFD)
5250	S06s	4-11	0700	Tue	374 980 5 30508 31399 38246 32423 34747	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5250	s06s	4-11	0700	Tue	374-980/5=30508	USB	(HFD)
6320	s06s	4-11	0715	Tue	374	USB	(HFD)
6320	S06s	4-11	0715	Tue	374 980 5 30508 31399 38246 32423 34747	USB	(Danix)
7410	s06s	4-11	0730	Tue	427-953/6=61732	USB	(HFD)
7410	S06s	4-11	0730	Tue	427 953 6 61732 74537 57440 10597 12357 47880	AM	(Danix)
11532	S06s	4-11	0740	Tue	427 953 6 61732 74537 57440 10597 12357 47880	AM	(Danix)
11532	s06s	4-11	0740	Tue	427	USB	(HFD)
11945	S06s	4-11	0800	Tue	352 941 6 33796 13577 74526 46647 79302 53516	USB	(Danix)
13195	S06s	4-11	0810	Tue	352 941 6 33796 13577 74526 46647 79302 53516	USB	(Danix)
6440	S06s	4-11	1000	Tue	893 462 5 38013 42924 35945 32057 30805	USB	(Danix)
5660	S06s	4-11	1010	Tue	893 462 5 38013 42924 35945 32057 30805	USB	(Danix)
6845	S06s	4-11	1500	Tue	537 498 6 36434 36390 48328 32375 35837	USB	(Danix)
9170	S06s	4-11	1510	Tue	537 498 6 36434 36390 48328 32375 35837	USB	(Danix)
7335	s06s	5-11	0830	Wed	745-802/6=36113	USB	(HFD)
11830	s06s	5-11	0840	Wed	745	USB	(HFD)
12365	s06s	5-11	1000	Wed	729-810/5=42352	USB	(HFD)
14280	s06s	5-11	1010	Wed	729	USB	(HFD)
4580	S06s	5-11	1230	Wed	967 814 5 30187 30568 32154 47965 32869	USB	(Danix)
6420	S06s	5-11	1240	Wed	967 814 5 30187 30568 32154 47965 32869	USB	(Danix)
5765	S06s	6-11	0900	Thu	624 897 5 42997 94184 47374 74154 08531	USB	(Danix)
12952	S06s	6-11	0900	Thu	167 492 5 29551 97532 64325 59747 56214	USB	(Danix)
12952	s06s	6-11	0900	Thu	167-492/5=29551	USB	(HFD)
6315	S06s	6-11	0910	Thu	624 897 5 42997 94184 47374 74154 08531	USB	(Danix)
13565	s06s	6-11	0910	Thu	167	USB	(HFD)
13565	S06s	6-11	0910	Thu	167 492 5 29551 97532 64325 59747 56214	USB	(Danix)
8812	S06s	6-11	0930	Thu	314 890 5 26634 14690 95590 60386 03009	USB	(Danix)
9540	S06s	6-11	0940	Thu	314 890 5 26634 14690 95590 60386 03009	USB	(Danix)
12455	S06s	6-11	0950	Thu	635 940 7 04435 46683 65453 13076 15834 21102 81436	USB	(Danix)
13130	S06s	6-11	1000	Thu	635 940 7 04435 46683 65453 13076 15834 21102 81436	USB	(Danix)
12155	s06s	6-11	1200	Thu	425-801/6=56947	USB	(HFD)
10920	s06s	6-11	1210	Thu	425	USB	(HFD)
7125	S06s	7-11	0600	Fri	934 278 5 94497 15593 39460 92050 23248	USB	(Danix)
8795	S06s	7-11	0610	Fri	934 278 5 94497 15593 39460 92050 23248	USB	(Danix)
7150	S06s	7-11	0700	Fri	196 842 5 62159 85689 57708 29853 23328 842 5 00000	USB	(AB)
7150	S06s	7-11	0700	Fri	196 842 5 62159 85689 57708 29853 23328	USB	(Danix)
7150	s06s	7-11	0700	Fri	196-842/5=62159	USB	(HFD)
8215	s06s	7-11	0710	Fri	196	USB	(HFD)
8215	S06s	7-11	0710	Fri	196 842 5 62159 85689 57708 29853 23328 842 5 00000	USB	(AB)
8215	S06s	7-11	0710	Fri	196 842 5 62159 85689 57708 29853 23328	USB	(Danix)
11780	S06s	7-11	0930	Fri	516 403 7 83529 17326 34287 42618 53552 63011 32377 403 7 00000	AM	(AB)
12750	S06s	7-11	0940	Fri	516 403 7 83529 17326 34287 42618 53552 63011 32377 403 7 00000	AM	(AB)
13470	S06s	9-11	0630	Sun	524 983 6 35479 30050 45056 31397 33732 64535	USB	(Danix)
16515	S06s	9-11	0640	Sun	524 983 6 35479 30050 45056 31397 33732 64535	USB	(Danix)
8057	S06s	10-11	0830	Mon	371 982 5 47665 94092 48521 63888 92060	USB	(Danix)
8057	S06s	10-11	0830	Mon	371 982 5 47665 94092 48521 63888 92060 982 5 00000	USB	(AB)
8530	S06s	10-11	0840	Mon	371 982 5 47665 94092 48521 63888 92060 982 5 00000	USB	(AB)
8530	S06s	10-11	0840	Mon	371 982 5 47665 94092 48521 63888 92060	USB	(Danix)
14675	S06s	10-11	0900	Mon	872 931 5 46062 68672 97478 39685 30485 931 5 00000	USB	(AB)
14675	S06s	10-11	0900	Mon	872 931 5 46062 68672 97478 39685 30485	USB	(Danix)
12830	S06s	10-11	0910	Mon	872 931 5 46062 68672 97478 39685 30485	USB	(Danix)
12830	S06s	10-11	0910	Mon	872 931 5 46062 68672 97478 39685 30485 931 5 00000	USB	(AB)
8420	S06s	10-11	1300	Mon	831 502 6 83193 83561 74028 73822 83003 82540	USB	(Danix)
10635	S06s	10-11	1310	Mon	831 502 6 83193 83561 74028 73822 83003 82540	USB	(Danix)
5250	S06s	11-11	0700	Tue	374 980 5 30508 31399 38246 32423 34747	USB	(Danix)
6320	S06s	11-11	0715	Tue	374 980 5 30508 31399 38246 32423 34747	USB	(Danix)
7410	S06s	11-11	0730	Tue	427 953 6 61732 74537 57440 10597 12357 47880	USB	(Danix)
11532	S06s	11-11	0740	Tue	427 953 6 61732 74537 57440 10597 12357 47880	USB	(Danix)
11945	S06s	11-11	0800	Tue	352 941 6 33796 13577 74526 46647 79302 53516	USB	(Danix)
13195	S06s	11-11	0810	Tue	352 941 6 33796 13577 74526 46647 79302 53516	USB	(Danix)
6440	S06s	11-11	1000	Tue	893 462 5 38013 42924 35945 32057 30805	USB	(Danix)
6440	S06s	11-11	1000	Tue	893 462 5 38013 42924 35945 32057 30805 462 5 00000	USB	(AB)
5660	S06s	11-11	1000	Tue	893 462 5 38013 42924 35945 32057 30805 462 5 00000	USB	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5660	S06s	11-11	1010	Tue	893 462 5 38013 42924 35945 32057 30805	USB	(Danix)
6845	S06s	11-11	1500	Tue	537 498 6 36434 36390 48328 32375 35837	USB	(Danix)
9170	S06s	11-11	1510	Tue	537 498 6 36434 36390 48328 32375 35837	USB	(Danix)
4580	S06s	12-11	1230	Wed	967 814 5 30187 30568 32154 47965 32869	USB	(Danix)
6420	S06s	12-11	1240	Wed	967 814 5 30187 30568 32154 47965 32869	USB	(Danix)
12952	S06s	13-11	0900	Thu	167 492 5 29551 97532 64325 59747 56214	USB	(Danix)
5765	S06s	13-11	0900	Thu	624 897 5 42997 94184 47374 74154 08531	USB	(Danix)
12952	S06s	13-11	0900	Thu	167 492 5 29551 97532 64325 59747 56214 492 5 00000	AM	(AB)
13565	S06s	13-11	0910	Thu	167 492 5 29551 97532 64325 59747 56214 492 5 00000	AM	(AB)
13565	S06s	13-11	0910	Thu	167 492 5 29551 97532 64325 59747 56214	USB	(Danix)
6315	S06s	13-11	0910	Thu	624 897 5 42997 94184 47374 74154 08531	USB	(Danix)
8812	S06s	13-11	0930	Thu	315 890 5 26634 14690 95590 60386 03009 890 5 00000	USB	(AB)
8812	s06s	13-11	0930	Thu	314-890/5=26634	USB	(HFD)
8812	S06s	13-11	0930	Thu	314 890 5 26634 14690 95590 60386 03009	USB	(Danix)
9540	S06s	13-11	0940	Thu	315 890 5 26634 14690 95590 60386 03009 890 5 00000	USB	(AB)
9540	S06s	13-11	0940	Thu	314 890 5 26634 14690 95590 60386 03009	USB	(Danix)
9540	s06s	13-11	0940	Thu	314	USB	(HFD)
12445	S06s	13-11	0950	Thu	635 940 7 04435 46683 65453 13076 15834 21102 81436	USB	(Danix)
13130	S06s	13-11	1000	Thu	635 940 7 04435 46683 65453 13076 15834 21102 81436	USB	(Danix)
7125	S06s	14-11	0600	Fri	934 278 5 94497 15593 39460 92050 23248	USB	(Danix)
8795	S06s	14-11	0610	Fri	934 278 5 94497 15593 39460 92050 23248	USB	(Danix)
7150	S06s	14-11	0700	Fri	196 842 5 62159 85689 57708 29853 23328	USB	(Danix)
8215	S06s	14-11	0710	Fri	196 842 5 62159 85689 57708 29853 23328	USB	(Danix)
11780	S06s	14-11	0930	Fri	516 403 7 83529 17326 34287 42718 53552 63011 32377 403 7 00000	AM	(AB)
12570	S06s	14-11	0940	Fri	516 403 7 83529 17326 34287 42718 53552 63011 32377 403 7 00000	AM	(AB)
13470	S06s	16-11	0630	Sun	524 871 6 52401 63919 92699 14600 74248 48754	USB	(Danix)
16515	S06s	16-11	0640	Sun	524 871 6 52401 63919 92699 14600 74248 48754 871 6 00000	AM	(AB)
16515	S06s	16-11	0640	Sun	524 871 6 52401 63919 92699 14600 74248 48754	USB	(Danix)
8057	S06s	17-11	0830	Mon	371 906 5 33796 13577 74526 46647 79302	USB	(Danix)
8057	S06s	17-11	0830	Mon	371 906 5 33796 13577 74526 46647 79302 906 5 00000	USB	(AB)
8530	S06s	17-11	0840	Mon	371 906 5 33796 13577 74526 46647 79302	USB	(Danix)
8530	S06s	17-11	0840	Mon	371 906 5 33796 13577 74526 46647 79302 906 5 00000	USB	(AB)
8420	S06s	17-11	1300	Mon	831 907 5 96320 36793 53038 76342 15009	USB	(Danix)
10635	S06s	17-11	1310	Mon	831 907 5 96320 36793 53038 76342 15009	USB	(Danix)
16145	S06s	18-11	0600	Tue	438 507 6 65906 66610 20336 17301 88554 82045	USB	(Danix)
14240	S06s	18-11	0610	Tue	438 507 6 65906 66610 20336 17301 88554 82045	USB	(Danix)
5250	S06s	18-11	0700	Tue	374 298 5 12864 14986 92499 69320 85039	USB	(Danix)
5250	s06s	18-11	0700	Tue	374-298/5=12864	USB	(HFD)
5250	S06s	18-11	0700	Tue	374 298 5 12864 14986 92499 69320 85939 298 5 00000	USB	(AB)
6320	s06s	18-11	0715	Tue	374	USB	(HFD)
6320	S06s	18-11	0715	Tue	374 298 5 12864 14986 92499 69320 85039	USB	(Danix)
6320	S06s	18-11	0715	Tue	374 298 5 12864 14986 92499 69320 85939 298 5 00000	USB	(AB)
7410	S06s	18-11	0730	Tue	427 853 6 16556 44452 83405 81334 21031 15149 853 6 00000	AM	(AB)
7410	S06s	18-11	0730	Tue	427 853 6 16556 44452 83405 81334 21031 15149	USB	(Danix)
11532	S06s	18-11	0740	Tue	427 853 6 16556 44452 83405 81334 21031 15149 853 6 00000	AM	(AB)
11532	S06s	18-11	0740	Tue	427 853 6 16556 44452 83405 81334 21031 15149	USB	(Danix)
11945	S06s	18-11	0800	Tue	352 490 6 27361 90603 41965 18289 23791 65920	USB	(Danix)
13195	S06s	18-11	0810	Tue	352 490 6 27361 90603 41965 18289 23791 65920	USB	(Danix)
6440	s06s	18-11	1000	Tue	893	USB	(HFD)
5660	s06s	18-11	1010	Tue	893	USB	(HFD)
6845	s06s	18-11	1500	Tue	537-492/6=43714	USB	(HFD)
9170	s06s	18-11	1510	Tue	537	USB	(HFD)
9170	S06s	18-11	1610	Tue	i.p. 492 6 00000	USB	(AB)
6778	s06s	19-11	0820	Wed	471	USB	(HFD)
6778	S06s	19-11	0820	Wed	471 235 6 33796 13577 74526 46647 79302 53516	USB	(Danix)
7675	S06s	19-11	0830	Wed	471 235 6 33796 13577 74526 46647 79302 53516	USB	(Danix)
7335	S06s	19-11	0830	Wed	745 961 8 88620 58069 71732 74537 57440 10597 23521 47660	USB	(Danix)
7675	s06s	19-11	0830	Wed	471	USB	(HFD)
11830	S06s	19-11	0840	Wed	745 961 8 88620 58069 71732 74537 57440 10597 23521 47660	USB	(Danix)
12365	S06s	19-11	1000	Wed	729 458 6 20534 11160 43494 37638 16070 48834	USB	(Danix)
14280	S06s	19-11	1010	Wed	729 458 6 20534 11160 43494 37638 16070 48834	USB	(Danix)
4580	S06s	19-11	1230	Wed	967 824 5 97211 46936 90477 08821 02044	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
6420	S06s	19-11	1240	Wed	967 824 5 97211 46936 90477 08821 02044	USB	(Danix)
5765	s06s	20-11	0900	Thu	624	USB	(HFD)
12952	S06s	20-11	0900	Thu	167 480 5 43686 41225 40696 81942 34952	USB	(Danix)
5765	S06s	20-11	0900	Thu	624 873 5 36315 31531 40505 39545 46469	USB	(Danix)
6315	s06s	20-11	0910	Thu	624 0	USB	(HFD)
6315	S06s	20-11	0910	Thu	624 873 5 36315 31531 40505 39545 46469	USB	(Danix)
13565	S06s	20-11	0910	Thu	167 480 5 43686 41225 40696 81942 34952	USB	(Danix)
8812	S06s	20-11	0930	Thu	314 857 6 39305 43341 94936 80987 55828 88268	USB	(Danix)
9540	S06s	20-11	0940	Thu	314 857 6 39305 43341 94936 80987 55828 88268	USB	(Danix)
12445	S06s	20-11	0950	Thu	635 921 7 85602 30229 38251 81818 81788 36784 43305	USB	(Danix)
12455	s06s	20-11	0950	Thu	635	USB	(HFD)
13130	s06s	20-11	1000	Thu	635 0	USB	(HFD)
13130	S06s	20-11	1000	Thu	635 921 7 85602 30229 38251 81818 81788 36784 43305	USB	(Danix)
4543	S06s	20-11	2110	Thu	874 874 874 00000	USB	(Avare)
4543	S06s	20-11	2110	Thu	874 874 874 00000	USB	(Danix)
7125	s06s	21-11	0600	Fri	934-281/5=99925 //8795	USB	(HFD)
7125	S06s	21-11	0600	Fri	934 281 5 99925 44326 92970 83889 59535	USB	(Danix)
8795	s06s	21-11	0600	Fri	934-281/5=99925 //7125	USB	(HFD)
8795	S06s	21-11	0610	Fri	934 281 5 99925 44326 92970 83889 59535	USB	(Danix)
8795	s06s	21-11	0610	Fri	934	USB	(HFD)
7150	S06s	21-11	0700	Fri	196 437 5 81853 26345 58622 00845 87408	USB	(Danix)
8215	S06s	21-11	0710	Fri	196 437 5 81853 26345 58622 00845 87408	USB	(Danix)
5420	S06s	22-11	2101	Sat	874 874 874 00000	USB	(KK2)
13470	S06s	23-11	0630	Sun	524 871 6 52401 63919 92699 14600 74248 48754	USB	(Danix)
16515	S06s	23-11	0640	Sun	524 871 6 52401 63919 92699 14600 74248 48754	USB	(Danix)
5020	S06s	23-11	1630	Sun	976 (R6) 356 18 47664 63389 70950 40897 71609 42262 12233 60711 15404 90338 04568 01442 65824 53348 53716 94302 43666 37019	USB	(Danix)
5020	S06s	23-11	1633	Sun	976 ...	USB	(KK2)
8057	s06s	24-11	0830	Mon	371-905/5=33796	USB	(HFD)
8057	S06s	24-11	0830	Mon	371 906 5 33796 13577 74526 46647 79302	USB	(Danix)
8530	s06s	24-11	0840	Mon	371-906/5=33796	USB	(HFD)
8530	S06s	24-11	0840	Mon	371 906 5 33796 13577 74526 46647 79302	USB	(Danix)
8530	S06s	24-11	0840	Mon	371 ...	USB	(VH)
12830	S06s	24-11	0910	Mon	872 etc	USB	(VH)
8420	S06s	24-11	1300	Mon	831 907 5 96320 36793 53038 76342 15009	USB	(Danix)
10635	S06s	24-11	1310	Mon	831 907 5 96320 36793 53038 76342 15009	USB	(Danix)
16145	s06s	25-11	0600	Tue	438-507/6=65906	USB	(HFD)
16145	S06s	25-11	0600	Tue	438 507 6 65906 66610 20336 17301 88554 82045	USB	(Danix)
14240	S06s	25-11	0610	Tue	438 507 6 65906 66610 20336 17301 88554 82045	USB	(Danix)
14240	s06s	25-11	0610	Tue	438	USB	(HFD)
5250	S06s	25-11	0700	Tue	374 298 5 12864 14986 92499 69320 85039 298 5 00000	USB	(AB)
5250	S06s	25-11	0700	Tue	374 298 5 12864 14986 92499 69320 85039	USB	(Danix)
6320	S06s	25-11	0715	Tue	374 298 5 12864 14986 92499 69320 85039	USB	(Danix)
7410	S06s	25-11	0730	Tue	427 853 6 16556 44452 83405 81334 21031 15149 853 6 00000	AM	(AB)
7410	S06s	25-11	0730	Tue	427 853 6 16556 44452 83405 81334 21031 15149	USB	(Danix)
11532	S06s	25-11	0740	Tue	427 853 6 16556 44452 83405 81334 21031 15149	USB	(Danix)
11532	S06s	25-11	0740	Tue	427 853 6 16556 44452 83405 81334 21031 15149 853 6 00000	AM	(AB)
11945	S06s	25-11	0800	Tue	352 490 6 27361 90603 41965 18289 23791 65920	USB	(Danix)
11945	s06s	25-11	0800	Tue	352-490/6=27361	USB	(HFD)
11945	S06s	25-11	0800	Tue	352 490 6 27361 90603 41965 18289 23791 65920 490 6 00000	USB	(AB)
13195	S06s	25-11	0810	Tue	352 490 6 27361 90603 41965 18289 23791 65920 490 6 00000	USB	(AB)
13195	s06s	25-11	0810	Tue	352	USB	(HFD)
13195	S06s	25-11	0810	Tue	352 490 6 27361 90603 41965 18289 23791 65920	USB	(Danix)
6778	S06s	26-11	0820	Wed	471 235 6 33796 13577 74526 46647 79302 53516	USB	(Danix)
6778	S06s	26-11	0820	Wed	471 235 6 33796 13577 74526 46647 79302 53516 235 6 00000	USB	(AB)
7675	S06s	26-11	0830	Wed	471 235 6 33796 13577 74526 46647 79302 53516	USB	(Danix)
7335	S06s	26-11	0830	Wed	745 961 8 88620 58069 71732 74537 57440 10597 23521 47660 961 8 00000	AM	(AB)
7675	S06s	26-11	0830	Wed	471 235 6 33796 13577 74526 46647 79302 53516 235 6 00000	USB	(AB)
7335	S06s	26-11	0830	Wed	745 961 8 88620 58069 71732 74537 57440 10597 23521 47660	USB	(Danix)
11830	S06s	26-11	0840	Wed	745 961 8 88620 58069 71732 74537 57440 10597 23521 47660 961 8 00000	AM	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
11830	S06s	26-11	0840	Wed	745 961 8 88620 58069 71732 74537 57440 10597 23521 47660	USB	(Danix)
12365	S06s	26-11	1000	Wed	729 458 6 20534 11160 43494 37638 16070 48834	USB	(Danix)
14280	S06s	26-11	1010	Wed	729 458 6 20534 11160 43494 37638 16070 48834	USB	(Danix)
4580	S06s	26-11	1230	Wed	967 824 5 97211 46936 90477 08821 02044	USB	(Danix)
6420	S06s	26-11	1240	Wed	967 824 5 97211 46936 90477 08821 02044	USB	(Danix)
6770	s06s	27-11	0810	Thu	278-901/5=85513	USB	(HFD)
5765	S06s	27-11	0900	Thu	624 873 5 36315 31531 40505 39545 46469	USB	(Danix)
12952	S06s	27-11	0900	Thu	167 480 5 43686 41225 40696 81942 34952	USB	(Danix)
13565	S06s	27-11	0910	Thu	167 480 5 43686 41225 40696 81942 34952	USB	(Danix)
6315	S06s	27-11	0910	Thu	624 873 5 36315 31531 40505 39545 46469	USB	(Danix)
11780	s06s	27-11	0930	Thu	516-908/7=48405	USB	(HFD)
8812	S06s	27-11	0930	Thu	314 857 6 39305 43341 94936 80987 55828 88268	USB	(Danix)
9540	S06s	27-11	0940	Thu	314 857 6 39305 43341 94936 80987 55828 88268	USB	(Danix)
12570	s06s	27-11	0940	Thu	516	USB	(HFD)
12445	S06s	27-11	0950	Thu	635 921 7 85602 30229 38251 81818 81788 36784 43305	USB	(Danix)
13130	S06s	27-11	1000	Thu	635 921 7 85602 30229 38251 81818 81788 36784 43305	USB	(Danix)
7125	S06s	28-11	0600	Fri	934 281 5 99925 44326 92970 83889 59535	USB	(Danix)
7125	S06s	28-11	0600	Fri	934 281 5 99925 44326 92970 83889 59535 281 5 00000	USB	(AB)
8795	S06s	28-11	0610	Fri	934 281 5 99925 44326 92970 83889 59535	USB	(Danix)
8795	S06s	28-11	0610	Fri	934 281 5 99925 44326 92970 83889 59535 281 5 00000	USB	(AB)
7150	S06s	28-11	0700	Fri	196 437 5 81853 26345 58622 00845 87408	USB	(Danix)
8215	S06s	28-11	0710	Fri	196 437 5 81853 26345 58622 00845 87408	USB	(Danix)
5810	s06s	28-11	0800	Fri	278	USB	(HFD)
13470	S06s	30-11	0630	Sun	524 00000	USB	(Danix)
16515	S06s	30-11	0640	Sun	524 00000	USB	(Danix)
6433	S11a	1-11	1020	Sat	221/00	USB	(Danix)
19099	S11a	3-11	0715	Mon	387/35	USB	(Danix)
12530	S11a	3-11	1015	Mon	475/00	USB	(AB)
12530	S11a	3-11	1015	Mon	475/00	USB	(Danix)
4828	S11a	4-11	0455	Tue	320/00	USB	(Danix)
7504	S11a	4-11	0915	Tue	484/00	USB	(AB)
7504	S11a	4-11	0915	Tue	484/00	USB	(Danix)
7504	s11a	4-11	0915	Tue	484/00	USB	(HFD)
9610	S11a	4-11	1020	Tue	426/35	USB	(Danix)
9610	s11a	4-11	1020	Tue	426/35=83472	USB	(HFD)
19099	S11a	5-11	0715	Wed	382/00	USB	(Danix)
6433	S11a	5-11	1020	Wed	221/00	USB	(Danix)
6433	s11a	5-11	1020	Wed	221/00	USB	(HFD)
5815	S11a	5-11	1955	Wed	378/30	USB	(Danix)
5815	s11a	5-11	1955	Wed	378/30=53071	USB	(HFD)
12530	S11a	6-11	1015	Thu	475/00	USB	(Danix)
4828	S11a	7-11	0455	Fri	320/00	USB	(Danix)
7504	S11a	7-11	0915	Fri	484/00	USB	(Danix)
9610	S11a	7-11	1020	Fri	426/35	USB	(Danix)
5815	S11a	7-11	1955	Fri	378/30	USB	(Danix)
6433	S11a	8-11	1020	Sat	221/00	USB	(Danix)
6433	S11a	8-11	1020	Sat	221/00	USB	(KK2)
19099	S11a	10-11	0715	Mon	382/00	USB	(Danix)
12530	s11a	10-11	1015	Mon	475/00	USB	(HFD)
12530	S11a	10-11	1015	Mon	475/00	USB	(Danix)
4828	S11a	11-11	0455	Tue	320/00	USB	(Danix)
7504	S11a	11-11	0915	Tue	484/00	USB	(AB)
7504	S11a	11-11	0915	Tue	484/00	USB	(Danix)
9610	S11a	11-11	1020	Tue	426/00	USB	(Danix)
19099	S11a	12-11	0715	Wed	382/00	USB	(Danix)
6433	S11a	12-11	1020	Wed	221/00	USB	(Danix)
5815	S11a	12-11	1955	Wed	370/00	USB	(Danix)
12530	S11a	13-11	1015	Thu	475/00	USB	(Danix)
4828	S11a	14-11	0455	Fri	320/00	USB	(Danix)
7504	S11a	14-11	0915	Fri	484/00	USB	(Danix)
7504	S11a	14-11	0915	Fri	484/00	USB	(AB)
9610	S11a	14-11	1020	Fri	426/00	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5815	S11a	14-11	1955	Fri	370/00	USB	(Danix)
6433	S11a	15-11	1020	Sat	221/00	USB	(Danix)
19099	S11a	17-11	0715	Mon	382/00	USB	(Danix)
12530	S11a	17-11	1015	Mon	475/00	USB	(Danix)
7504	S11a	18-11	0915	Tue	487/35	USB	(Danix)
9610	S11a	18-11	1020	Tue	426/00	USB	(Danix)
19099	S11a	19-11	0715	Wed	382/00	USB	(AB)
19099	S11a	19-11	0715	Wed	382/00	USB	(Danix)
6433	S11a	19-11	1020	Wed	221/00	USB	(Danix)
6433	S11a	19-11	1020	Wed	221/00	USB	(AB)
5815	S11a	19-11	1955	Wed	370/00	USB	(GHn)
5815	S11a	19-11	1955	Wed	370/00	USB	(Danix)
12530	S11a	20-11	1015	Thu	475/00	USB	(Danix)
4828	s11a	21-11	0455	Fri	328/33=53966	USB	(HFD)
7504	S11a	21-11	0915	Fri	487/35	USB	(Danix)
9610	S11a	21-11	1020	Fri	426/00	USB	(Danix)
9610	S11a	21-11	1020	Fri	426/00	USB	(AB)
5815	S11a	21-11	1955	Fri	370/00	USB	(Danix)
6433	S11a	22-11	1020	Sat	221/00	USB	(VH)
6433	S11a	22-11	1020	Sat	221/00	USB	(Danix)
19099	S11a	24-11	0715	Mon	382/00	USB	(Danix)
12530	S11a	24-11	1015	Mon	478/35	USB	(Danix)
7504	S11a	25-11	0915	Tue	484/00	USB	(Danix)
9610	S11a	25-11	1020	Tue	426/00	USB	(Danix)
5779	S11a	26-11	0315	Wed	388/32	USB	(Danix)
19099	S11a	26-11	0715	Wed	382/00	USB	(Danix)
6433	S11a	26-11	1020	Wed	224/35	USB	(Danix)
5815	S11a	26-11	1955	Wed	370/00	USB	(Danix)
5779	S11a	27-11	0315	Thu	258/32 Vnimanie 03685 41426 56729 ... 03635 20099 80661	USB	(Avare)
12530	S11a	27-11	1015	Thu	478/35	USB	(Danix)
7504	S11a	28-11	0915	Fri	484/00	USB	(Danix)
9610	S11a	28-11	1020	Fri	426/00	USB	(Danix)
5815	S11a	28-11	1955	Fri	370/00	USB	(Danix)
6433	S11a	29-11	1020	Sat	224/35	USB	(Danix)
4625	S28	2-11	1405	Sun	MDZhB 30 575 VALOHA 44 35 75 43	USB	(Arg)
4625	S28	2-11	1451	Sun	MDZhB 32 056 VZDERZhKA 20 01 69 53	USB	(Arg)
4625	S28	9-11	1227	Sun	MDZhB 90 170 AVANSOVYJ 23 66 04 36	USB	(DJPr)
4625	S28	19-11	1544	Wed	MDZhB 19 186 DIASPOR 62 47 13 50	USB	(Arg)
4625	S28	19-11	1719	Wed	MDZhB 17 713 ZERNOFURAZh 73 80 33 42	USB	(DJPr)
4625	S28	23-11	1724	Sun	MDZhB 86 389 AKUSHERSKIJ 21 03 40 58	USB	(Arg)
4625	S28	24-11	1018	Mon	MDZhB 48 010 MIGALKA 20 68 79 99	USB	(DJPr)
4625	S28	24-11	1307	Mon	MDZhB 34 571 TALLIJ 91 87 28 31	USB	(DJPr)
4625	S28	24-11	1311	Mon	MDZhB 95 241 MAJORAT 60 94 47 50	USB	(DJPr)
4625	S28	24-11	1313	Mon	MDZhB 14 645 ZATYChKA 02 76 88 80	USB	(DJPr)
4625	S28	24-11	1405	Mon	MDZhB 75 880 KAL'KOGRAF 48 69 91 30	USB	(DJPr)
4625	S28	24-11	1411	Mon	MDZhB 39 116 PATRUBYeN' 73 29 10 89	USB	(DJPr)
4625	S28	24-11	1423	Mon	MDZhB 90 282 FANATICHNYJ 92 54 82 69	USB	(GWr)
4625	S28	24-11	1548	Mon	MDZhB 70 325 TALOVKA 53 89 11 15	USB	(Danix)
4625	S28	24-11	1551	Mon	MDZhB 80 191 MYeDSYeSTRA 21 55 37 88	USB	(DJPr)
4625	S28	24-11	1716	Mon	MDZhB 69 006 GALO 26 22 13 19	USB	(Arg)
4625	S28	26-11	1721	Wed	MDZhB 23 416 ELYeKTRUM 57 22 75 85	USB	(Arg)
4625	S28	27-11	1027	Thu	MDZhB 42 053 BEJLIF 56 73 10 15	USB	(DJPr)
4625	S28	27-11	1029	Thu	MDZhB 17 017 GINYeCYeJ 56 02 64 50	USB	(DJPr)
4625	S28	27-11	1103	Thu	MDZhB 60 790 TAGUAN 57 44 67 79	USB	(DJPr)
4625	S28	27-11	1110	Thu	MDZhB 63 782 SKUTOZAVR 66 61 87 68	USB	(DJPr)
4625	S28	27-11	1117	Thu	MDZhB 12 639 GALOTRIHIT 82 83 52 35	USB	(DJPr)
4625	S28	27-11	1122	Thu	MDZhB 57 051 NAHLYNOK 99 95 63 26	USB	(DJPr)
4625	S28	27-11	1136	Thu	MDZhB 62 894 GEOLOGIYa 70 83 16 39	USB	(DJPr)
4625	S28	27-11	1139	Thu	MDZhB 27 993 TIGRICA 80 07 72 87	USB	(DJPr)
4625	S28	27-11	1142	Thu	MDZhB 27 933 TIGRICA 80 07 72 87	USB	(DJPr)
4625	S28	27-11	1543	Thu	MDZhB 20 977 PYeHOTINYeC 30 91 36 29	USB	(Arg)
4625	S28	27-11	1552	Thu	MDZhB 20 977 PYeHOTINYeC 30 91 36 29	USB	(DJPr)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
3756	S30	2-11	1809	Sun	Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZI	USB	(DJPr)
8606	S30	3-11	0725	Mon	8S1Shch 49 536 OBOChKA 28 46 03 97	USB	(DJPr)
8606	S30	3-11	0847	Mon	L'GJ TshchSchchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z' NLCE V2MZ	USB	(DJPr)
5448	S30	3-11	1356	Mon	8S1Shch 60 550 77 530 POLUMETAL 92 98 38 81	USB	(DJPr)
5448	S30	5-11	1331	Wed	6I2Zh ZhD9V CJ5C 42BV 81BR M7KS PMV5 L'GJ TShchSchchS VKY1	USB	(DJPr)
3756	S30	5-11	1807	Wed	HCLF 61HZh ZBIL L7O5 V'Z' NLCE V2MZ SB7Z 8MUO TUZR	USB	(DJPr)
3756	S30	8-11	1800	Sat	JH'J S7ZhG Z'1B CI9V ZhSK4 5FSShch DEAY DMC3 49FT C2ZA	USB	(DJPr)
3756	S30	11-11	1531	Tue	VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS'	USB	(DJPr)
3756	S30	12-11	0020	Wed	Pip Marker	USB	(LG2)
3756	S30	12-11	1830	Wed	TUZR 5J7Shch 27Shch' N1DU 53OB 78MV 12CI 79AJ P'HSch 6EHB	USB	(DJPr)
3756	S30	14-11	0530	Fri	OSOG BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS' DKJ1 6I2Zh ZhD9V	USB	(DJPr)
5448	S30	14-11	0659	Fri	8S1Shch 08 423 NEYaRKIJ 14 97 63 23	USB	(DJPr)
5448	S30	14-11	1235	Fri	8S1Shch 59 145 REVENNYJ 83 32 76 38	USB	(DJPr)
3756	S30	14-11	1516	Fri	ZBIL L7O5 V'Z' NLCE V2MZ SB7Z 8MUO TUZR 5J7Shch 27Shch'	USB	(DJPr)
3756	S30	14-11	1659	Fri	8S1Shch 95 032 TEKUSchIJ 52 75 97 11	USB	(DJPr)
3756	S30	14-11	1901	Fri	8S1Shch 98 698 OTDUSHNIK 14 85 17 91	USB	(DJPr)
3756	S30	14-11	2259	Fri	8S1Shch 64 925 VYMPeL'NYJ 88 88 48 43	USB	(Arg)
5448	S30	15-11	1332	Sat	Z7PM 'O6P JH'J S7ZhG Z'1B CI9V ZhSK4 5FSShch DEAY DMC3	USB	(Arg)
3756	S30	15-11	1810	Sat	49FT C2ZA LI27 INNC ShchGJP 8CSchJ TZLM FY5E F61N 37CN	USB	(DJPr)
5448	S30	16-11	1352	Sun	9GSA ZhBZI 4RVZ 3VS' DKJ1 6I2Zh ZhD9V CJ5C 42BV 81BR	USB	(DJPr)
3756	S30	16-11	1843	Sun	M7KS PMV5 L'GJ TShchSchchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z'	USB	(DJPr)
3756	S30	17-11	1726	Mon	S7ZhG Z'1B CI9V ZhSK4 5FSShch DEAY DMC3 49FT C2ZA LI27	USB	(Arg)
3756	S30	18-11	1548	Tue	DKJ1 6I2Zh ZhD9V CJ5C 42BV 81BR M7KS PMV5 L'GJ TShchSchchS	USB	(DJPr)
5448	S30	19-11	1335	Wed	TUZR 5J7Shch 27Shch' N1DU 53OB 78MV 12CI 79AJ P'HSch 6EHB	USB	(DJPr)
3756	S30	19-11	1718	Wed	8S1Shch 66 478 DISPERSIYa 25 48 24 19	USB	(DJPr)
3756	S30	19-11	1830	Wed	CP3' ShchT3O CIHS Z7PM 'O6P JH'J S7ZhG Z'1B CI9V ZhSK4	USB	(DJPr)
3756	S30	20-11	1814	Thu	OSOG BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS' DKJ1 6I2Zh ZhD9V	USB	(DJPr)
3756	S30	21-11	1639	Fri	N1DU 53OB 78MV 12CI 79AJ P'HSch 6EHB CP3' ShchT3O CIHS	USB	(DJPr)
3756	S30	22-11	1938	Sat	MUDR 7VNSch Zh7NZh YMA5 VHT3 AGDT 'U1B OSOG BO6C F56Shch	USB	(DJPr)
5448	S30	23-11	1330	Sun	M7KS PMV5 L'GJ TShchSchchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z'	USB	(DJPr)
3756	S30	23-11	1724	Sun	8S1Shch 97 801 STIBNIL 31 47 96 45	USB	(DJPr)
5448	S30	24-11	1315	Mon	8S1Shch 35 655 VYVARKA 65 80 41 27	USB	(DJPr)
3756	S30	24-11	1422	Mon	8S1Shch 25 620 BOChISTA 27 03 67 48	USB	(DJPr)
3756	S30	24-11	1718	Mon	8S1Shch 84 646 KOLIK 10 21 39 99	USB	(DJPr)
3756	S30	24-11	1830	Mon	INNC ShchGJP 8CSchJ TZLM FY5E F61N Z7CN MUDR 7VNSch Zh7NZh	USB	(DJPr)
5448	S30	25-11	1329	Tue	8S1Shch 43 781 DOMOVITYJ 07 49 70 43	USB	(DJPr)
3756	S30	26-11	0524	Wed	8MUO TUZR 5J7Shch 27Shch' N1DU 53OB 78MV 12CI 79AJ P'HSch	USB	(DJPr)
3756	S30	26-11	1722	Wed	8S1Shch 65 300 HINOLIN 36 72 82 11	USB	(DJPr)
3756	S30	26-11	1812	Wed	ZhD9V SJ5C 42BV 81BR M7KS PMV5 L'GJ	USB	(DJPr)
3756	S30	26-11	1846	Wed	ZhSK4 5FSShch DEAY DMC3 49FT C2ZA LI27 INNC ShchGJP 8CSchJ	USB	(DJPr)
3756	S30	27-11	0521	Thu	TZLM FY5E F61N Z7CN MUDR 7VNSch Zh7NZh YMA5 VTH3 AGDT	USB	(DJPr)
5448	S30	27-11	1213	Thu	8S1Shch BRESKA 90 44	USB	(DJPr)
3828	S32	2-11	1409	Sun	ALFA-45 96 570 ALKAN 13 62 95 59	USB	(Arg)
3828	S32	2-11	1455	Sun	ALFA-45 53 415 PROVOZhanIE 44 34 80 72	USB	(Arg)
5473	S32	3-11	1309	Mon	OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74	USB	(DJPr)
5473	S32	4-11	0713	Tue	NEVKA-26 OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74	USB	(DJPr)
5473	S32	5-11	1238	Wed	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64	USB	(DJPr)
3828	S32	5-11	1659	Wed	NEVKA-26 OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74	USB	(DJPr)
3828	S32	5-11	1855	Wed	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64	USB	(DJPr)
5473	S32	6-11	1336	Thu	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29	USB	(DJPr)
3828	S32	6-11	1607	Thu	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64	USB	(DJPr)
5473	S32	8-11	0732	Sat	ALFA-45 97 247 PODKLADNOJ 09 79 99 50	USB	(DJPr)
5473	S32	12-11	0808	Wed	OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74	USB	(DJPr)
5473	S32	12-11	1155	Wed	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29 OTPOR-89 BIZO-64 KOVBOJ-39 ALEUT-09 LANDYSh-74	USB	(DJPr)
5473	S32	14-11	1242	Fri	ALFA-45 59 494 SAREMA 00 13 11 33	USB	(DJPr)
3828	S32	14-11	2109	Fri	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZHER-29	USB	(DJPr)
3828	S32	14-11	2316	Fri	ALFA-45 81 323 NEVEJKA 61 12 28 44	USB	(DJPr)
3828	S32	15-11	0508	Sat	ALFA-45 34 307 PAZUSchNYJ 88 08 19 68	USB	(DJPr)
3828	S32	15-11	1652	Sat	ALFA-45 97 185 BAGRENNYJ 08 40 95 23	USB	(DJPr)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
3828	S32	15-11	1853	Sat	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64	USB	(DJPr)
5473	S32	16-11	1307	Sun	ALFA-45 27 329 CIANPLAN 71 05 37 74	USB	(DJPr)
3828	S32	16-11	1423	Sun	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29	USB	(DJPr)
3828	S32	16-11	1807	Sun	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64 NEVKA-26	USB	(DJPr)
5473	S32	17-11	0757	Mon	OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74 NEVKA-26	USB	(DJPr)
5473	S32	17-11	1241	Mon	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29	USB	(DJPr)
3828	S32	18-11	1607	Tue	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29 RUZh'E-26	USB	(DJPr)
3828	S32	18-11	1846	Tue	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64 NEVKA-26	USB	(DJPr)
5473	S32	19-11	0849	Wed	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29	USB	(DJPr)
3828	S32	19-11	1709	Wed	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29	USB	(DJPr)
3828	S32	19-11	1722	Wed	ALFA-45 14 309 MERChISON 64 24 20 24	USB	(DJPr)
3828	S32	20-11	1500	Thu	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29	USB	(DJPr)
3828	S32	21-11	1802	Fri	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29	USB	(DJPr)
3828	S32	21-11	2134	Fri	OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-7	USB	(DJPr)
3828	S32	22-11	1503	Sat	ALFA-45 20 386 LEMNISKATA 23 31 04 81	USB	(Arg)
3828	S32	22-11	1850	Sat	STOROZh-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64	USB	(Arg)
3828	S32	22-11	2150	Sat	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29	USB	(Arg)
3828	S32	23-11	1728	Sun	ALFA-45 20 634 BOChISTA 65 30 47 88	USB	(Arg)
3828	S32	23-11	1736	Sun	RUZh'E-26 BIZON-64 PENZA-07 KURGAN-40 DUBLER-68	USB	(Arg)
5473	S32	24-11	1323	Mon	ALFA-45 84 503 RADIOLOG 05 69 60 51	USB	(Arg)
5473	S32	24-11	1356	Mon	ALFA-45 21 441 MAZhORNYJ 70 88 09 11	USB	(DJPr)
3828	S32	24-11	1428	Mon	ALFA-45 37 057 PALIMIRA 69 74 28 70	USB	(DJPr)
3828	S32	24-11	1550	Mon	ALFA-45 85 841 BUTIL 81 83 96 64	USB	(DJPr)
3828	S32	24-11	1817	Mon	STOROZh-62 NEVKA-26 UTES-94 KOVBOJ-39 PENZA-07	USB	(DJPr)
5473	S32	25-11	1334	Tue	ALFA-45 04 890 KABYeL'ShchIK 66 84 30 78	USB	(Arg)
3828	S32	26-11	1500	Wed	ROSA-64 DZhIGIT-46 OTPOR-89 LOGIKA-05 YaHTA-94 FONTAN-34	USB	(DJPr)
3828	S32	26-11	1807	Wed	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07	USB	(DJPr)
3828	S32	29-11	2022	Sat	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07(Talk and PIP marker in the background)	USB	(DJPr)
3580	UM01	2-11	0753	Sun	CQ P 2	CW	(JPL-Sib)
3580	UM01	2-11	0806	Sun	CQ P 3 //10742 kHz (3rd harmonic)	CW	(JPL-Sib)
10742	UM01	2-11	0806	Sun	CQ P 3 //3580 kHz	CW	(JPL-Sib)
3580	UM01	2-11	0823	Sun	CQ P 5	CW	(JPL-Sib)
3580	UM01	2-11	1021	Sun	CQ P 36	CW	(JPL-Sib)
3580	UM01	2-11	1458	Sun	CQ P 6	CW	(JPL-Sib)
3580	UM01	2-11	1642	Sun	CQ P 4	CW	(JPL-Sib)
3580	UM01	2-11	1954	Sun	CQ P 2	CW	(JPL-Sib)
3580	UM01	3-11	0226	Mon	CQ P 1	CW	(JPL-Sib)
3580	UM01	3-11	1657	Mon	CQ P 0	CW	(JPL-Sib)
3580	UM01	3-11	2250	Mon	CQ M 3	CW	(JPL-Sib)
3580	UM01	4-11	0152	Tue	CQ M 5	CW	(AB)
3580	UM01	4-11	0930	Tue	CQ P 45	CW	(AB)
3580	UM01	4-11	1005	Tue	CQ P 26 //7162 harmonic	CW	(AB)
7162	UM01	4-11	1005	Tue	CQ P 26 (harmonic)	CW	(AB)
3580	UM01	5-11	0156	Wed	CQ M 6	CW	(JPL-Sib)
3580	UM01	5-11	1154	Wed	CQ M 3	CW	(JPL-Sib)
3580	UM01	5-11	2136	Wed	CQ M 3	CW	(JPL-Sib)
3580	UM01	6-11	0827	Thu	CQ P 1	CW	(JPL-Sib)
3580	UM01	6-11	0912	Thu	CQ P 1 //7161 harmonic	CW	(JPL-Sib)
7161	UM01	6-11	0912	Thu	CQ P 1 (harmonic)	CW	(JPL-Sib)
3580	UM01	6-11	1335	Thu	CQ P 2	CW	(JPL-Sib)
3580	UM01	6-11	1638	Thu	CQ P 1	CW	(JPL-Sib)
3580	UM01	6-11	1703	Thu	CQ P 1	CW	(JPL-Sib)
3580	UM01	6-11	1922	Thu	CQ P 1	CW	(JPL-Sib)
3580	UM01	6-11	2143	Thu	CQ P 1	CW	(JPL-Sib)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
3580	UM01	7-11	0143	Fri	CQ P 1	CW	(JPL-Sib)
3580	UM01	7-11	0942	Fri	CQ P 2	CW	(JPL-Sib)
3580	UM01	7-11	1025	Fri	CQ P 2	CW	(JPL-Sib)
3580	UM01	7-11	1323	Fri	CQ P 2	CW	(JPL-Sib)
3580	UM01	7-11	1559	Fri	CQ P 2	CW	(JPL-Sib)
3580	UM01	7-11	1810	Fri	CQ P 1	CW	(JPL-Sib)
3580	UM01	7-11	1946	Fri	CQ P 1	CW	(JPL-Sib)
3580	UM01	7-11	2143	Fri	CQ P 1	CW	(JPL-Sib)
3580	UM01	7-11	2207	Fri	CQ P 1	CW	(JPL-Sib)
3580	UM01	8-11	0352	Sat	CQ P 1	CW	(JPL-Sib)
3580	UM01	9-11	1651	Sun	CQ M 4	CW	(JPL-Sib)
3580	UM01	9-11	2032	Sun	CQ M 8	CW	(JPL-Sib)
3580	UM01	10-11	0938	Mon	CQ M 9	CW	(JPL-Sib)
3580	UM01	10-11	1038	Mon	CQ M 9	CW	(JPL-Sib)
3580	UM01	10-11	1415	Mon	CQ M 10	CW	(JPL-Sib)
3580	UM01	10-11	1612	Mon	CQ M 11	CW	(JPL-Sib)
3580	UM01	10-11	2020	Mon	CQ M 12	CW	(JPL-Sib)
3580	UM01	11-11	0304	Tue	CQ M 13	CW	(JPL-Sib)
3580	UM01	11-11	1056	Tue	CQ M 10	CW	(JPL-Sib)
3580	UM01	11-11	1904	Tue	CQ M 8	CW	(JPL-Sib)
3580	UM01	11-11	2128	Tue	CQ M 8	CW	(JPL-Sib)
3580	UM01	13-11	0155	Thu	CQ M 7	CW	(JPL-Sib)
3580	UM01	13-11	1058	Thu	CQ M 5	CW	(JPL-Sib)
3580	UM01	13-11	1154	Thu	CQ M 4	CW	(JPL-Sib)
3580	UM01	13-11	1352	Thu	CQ M 4	CW	(JPL-Sib)
3580	UM01	13-11	1537	Thu	CQ M 3	CW	(JPL-Sib)
3580	UM01	13-11	1631	Thu	CQ M 3	CW	(JPL-Sib)
3580	UM01	13-11	1950	Thu	CQ M 2	CW	(JPL-Sib)
3580	UM01	13-11	2020	Thu	CQ M 2	CW	(JPL-Sib)
3580	UM01	14-11	1201	Fri	CQ M 0	CW	(JPL-Sib)
3580	UM01	14-11	2113	Fri	CQ M 0	CW	(JPL-Sib)
3580	UM01	15-11	0155	Sat	CQ M 1	CW	(JPL-Sib)
3580	UM01	15-11	0240	Sat	CQ M 1	CW	(JPL-Sib)
3580	UM01	15-11	1111	Sat	CQ P 1	CW	(JPL-Sib)
3580	UM01	15-11	1157	Sat	CQ P 0	CW	(JPL-Sib)
3580	UM01	15-11	1822	Sat	CQ M 5	CW	(JPL-Sib)
3580	UM01	17-11	1754	Mon	CQ M 12	CW	(JPL-Sib)
3580	UM01	17-11	1846	Mon	CQ M 13	CW	(JPL-Sib)
3580	UM01	17-11	2134	Mon	CQ M 14	CW	(JPL-Sib)
3580	UM01	18-11	0227	Tue	CQ M 14	CW	(JPL-Sib)
3580	UM01	18-11	0727	Tue	CQ M 13	CW	(JPL-Sib)
3580	UM01	18-11	0930	Tue	CQ M 12	CW	(JPL-Sib)
3580	UM01	18-11	1348	Tue	CQ M 13	CW	(JPL-Sib)
3580	UM01	18-11	2245	Tue	CQ M 13	CW	(JPL-Sib)
3580	UM01	21-11	2155	Fri	CQ M 5	CW	(JPL-Sib)
3580	UM01	22-11	0143	Sat	CQ M 4	CW	(JPL-Sib)
3580	UM01	22-11	0950	Sat	CQ M 7	CW	(JPL-Sib)
3580	UM01	22-11	1029	Sat	CQ M 8	CW	(JPL-Sib)
3580	UM01	22-11	1319	Sat	CQ M 9	CW	(JPL-Sib)
3580	UM01	22-11	1621	Sat	CQ M 10	CW	(JPL-Sib)
3580	UM01	23-11	0133	Sun	CQ M 5	CW	(JPL-Sib)
3580	UM01	23-11	1556	Sun	CQ P 0	CW	(JPL-Sib)
3580	UM01	23-11	1611	Sun	CQ M 0	CW	(JPL-Sib)
3580	UM01	23-11	1924	Sun	CQ M 1	CW	(JPL-Sib)
3580	UM01	23-11	2305	Sun	CQ M 6	CW	(JPL-Sib)
3580	UM01	24-11	0144	Mon	CQ M 17 (Cont'd - 0946z)	CW	(JPL-Sib)
3580	UM01	24-11	0144	Mon	CQ M 19 (Cont'd - 1100z)	CW	(JPL-Sib)
3580	UM01	24-11	0144	Mon	CQ M 24 (Cont'd - 1825z)	CW	(JPL-Sib)
3580	UM01	24-11	0144	Mon	CQ M 10	CW	(JPL-Sib)
3580	UM01	26-11	0134	Wed	CQ M 15	CW	(JPL-Sib)
3580	UM01	26-11	1743	Wed	CQ M 10	CW	(JPL-Sib)
3580	UM01	27-11	0137	Thu	CQ M 10	CW	(JPL-Sib)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
3580	UM01	27-11	0203	Thu	CQ M 9	CW	(JPL-Sib)
3580	UM01	27-11	1701	Thu	CQ M 16	CW	(JPL-Sib)
3580	UM01	27-11	2214	Thu	CQ M 22	CW	(JPL-Sib)
3580	UM01	28-11	0942	Fri	CQ M 26	CW	(JPL-Sib)
3580	UM01	28-11	1112	Fri	CQ M 26	CW	(JPL-Sib)
3580	UM01	28-11	1414	Fri	CQ M 27	CW	(JPL-Sib)
3580	UM01	28-11	2115	Fri	CQ M 29	CW	(JPL-Sib)
3860	UM10	3-11	1723	Mon	Unid 10-mins net: KTR4	CW	(JPL-Sib)
3314	UM10	5-11	2149	Wed	Unid 10-mins net: OUCH	CW	(JPL-Sib)
3314	UM10	5-11	2215	Wed	Unid 10-mins net: OUCH	CW	(JPL-Sib)
3809	UM10	6-11	1344	Thu	Unid 10-mins net: ZJL4 (Silent 1345z)	CW	(JPL-Sib)
3809	UM10	7-11	1814	Fri	Unid 10-mins net: ZJL4 //3539	CW	(JPL-Sib)
3539	UM10	7-11	1814	Fri	Unid 10-mins net: ZJL4 (new freq) //3809	CW	(JPL-Sib)
3809	UM10	7-11	2006	Fri	Unid 10-mins net: ZJL4 //3539	CW	(JPL-Sib)
3539	UM10	7-11	2006	Fri	Unid 10-mins net: ZJL4 //3809	CW	(JPL-Sib)
3809	UM10	7-11	2144	Fri	Unid 10-mins net: ZJL4 //3539	CW	(JPL-Sib)
3539	UM10	7-11	2144	Fri	Unid 10-mins net: ZJL4 //3809	CW	(JPL-Sib)
3314	UM10	11-11	2125	Tue	Unid 10-mins net: OUCH	CW	(JPL-Sib)
3809	UM10	13-11	1540	Thu	Unid 10-mins net: ZJL4 //3539 kHz	CW	(JPL-Sib)
3529	UM10	13-11	1540	Thu	Unid 10-mins net: ZJL4 //3809 kHz	CW	(JPL-Sib)
3539	UM10	17-11	2136	Mon	Unid 10-mins net: ZJL4 //3809 kHz	CW	(JPL-Sib)
3809	UM10	17-11	2136	Mon	Unid 10-mins net: ZJL4 //3539 kHz	CW	(JPL-Sib)
3809	UM10	23-11	2307	Sun	Unid 10-min net: ZJL4	CW	(JPL-Sib)
3646	UM10	26-11	1747	Wed	Unid 10-mins net: OUCH	CW	(JPL-Sib)
3539	UM10	28-11	1411	Fri	Unid 10-mins net: ZJL4	CW	(JPL-Sib)
3646	UM10	28-11	1419	Fri	Unid 10-mins net: OUCH	CW	(JPL-Sib)
7554	V02a	4-11	2004	Tue	Should be M08a. Instead YL/SS in LSB announcing 5F grps	LSB	(DSch)
8097	V02a	8-11	1452	Sat	YL/SS repeating UNO over and over till 1516 UTC. Should be M08a	LSB	(DSch)
7554	V02a	8-11	1957	Sat	YL/SS repeating UNO repetitions	LSB	(DSch)
18074	V07	2-11	0100	Sun	883 883 883 000	USB	(Dan)
18074	V07	2-11	0100	Sun	883 0	USB	(HFD)
15874	V07	2-11	0120	Sun	883 0	USB	(HFD)
15874	V07	2-11	0120	Sun	883 883 883 000	USB	(Dan)
18074	V07	15-11	0100	Sat	883 883 883 000	USB	(Dan)
15874	V07	15-11	0120	Sat	883 883 883 000	USB	(Dan)
15874	V07	23-11	0120	Sun	883 883 883 000	USB	(Dan)
18074	V07	30-11	0100	Sun	883 883 883 1 234 63 39432 95298 20034 ... 44184 05352 24327 000 000	USB	(Dan)
15874	V07	30-11	0120	Sun	883-234/63=39432	USB	(HFD)
15874	V07	30-11	0120	Sun	883 883 883 1 234 63 39432 95298 20034 ... 44184 05352 24327 000 000	USB	(Dan)
14374	V07	30-11	0140	Sun	883 883 883 1 234 63 39432 95298 20034 ... 44184 05352 24327 000 000	USB	(Dan)
16115	X06	2-11	1327	Sun	Mazielka. Sequence: 215346	AM	(Danix)
16115	X06	2-11	1327	Sun	Mazielka. Sequence: 215346	USB	(Danix)
16115	X06	2-11	1332	Sun	Mazielka. Sequence: 215346	AM	(MCO)
9158	X06	7-11	1013	Fri	Mazielka. Sequence: 361245	USB	(AB)
16276	X06	10-11	1250	Mon	Mazielka	USB	(LG2)
13420	X06	11-11	0758	Tue	Mazielka. Sequence: 534216	USB	(AB)
22908	X06	11-11	0916	Tue	Mazielka	USB	(LG2)
16317	X06	11-11	1025	Tue	Mazielka. Sequence: 612534	USB	(Danix)
17520	X06	11-11	1030	Tue	Mazielka. Sequence: 612534	USB	(Danix)
18523	X06	20-11	0749	Thu	Mazielka. Sequence: 325614	USB	(Danix)
19405	X06	20-11	1308	Thu	Mazielka. Sequence: 352416	USB	(AAI)
13420	X06	25-11	0814	Tue	Mazielka. Sequence: 534216	USB	(Danix)
12126	X06	26-11	0806	Wed	Mazielka. Sequence: 521634	USB	(Danix)
13419	X06	26-11	0908	Wed	Mazielka. Sequence: 465132	USB	(Danix)
12134	X06	26-11	0931	Wed	Mazielka. Sequence: 134265	USB	(Danix)
12122	X06	26-11	0949	Wed	Mazielka. Sequence: 165324	USB	(Danix)
9076	X06	28-11	1502	Fri	Mazielka. Sequence: 215346	USB	(Danix)
20720	X06c	20-11	0729	Thu	Mazielka mooved to 20720 kHz at 0855z	USB	(Danix)
23070	X06c	20-11	0855	Thu	Mazielka till a least 1000z	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
19485	X06c	24-11	0838	Mon	Mazielka	USB	(Avare)
20720	X06c	24-11	0945	Mon	Mazielka	USB	(Avare)
8112	XC	14-11	2110	Fri	"the crackle" noise signal		(AAI)
11409	XPA	1-11	0700	Sat	456 456 456 1 06985 00213 79974 ... 09793 75226 37634	MFSK-20/10Bd	(AB)
13509	XPA	1-11	0700	Sat	456 456 456 1 06985 00213 79974 ... 09793 75226 37634	MFSK-20/10Bd	(AB)
14609	XPA	1-11	0700	Sat	456 456 456 1 06985 00213 79974 ... 09793 75226 37634	MFSK-20/10Bd	(AB)
8123	XPA	4-11	1900	Tue	158 000 09321 00001 00000 10140	MFSK-20/10Bds	(MPJ)
8123	XPA	4-11	1900	Tue	158 000 09321 00001 00000 10140	MFSK-20/10Bd	(Danix)
7523	XPA	4-11	1920	Tue	158 000 09321 00001 00000 10140	MFSK-20/10Bd	(Danix)
6823	XPA	4-11	1940	Tue	158 000 09321 00001 00000 10140	MFSK-20/10Bds	(MPJ)
6823	XPA	4-11	1940	Tue	158 000 09321 00001 00000 10140	MFSK-20/10Bd	(Danix)
11409	XPA	5-11	0700	Wed	456 000 07001 00001 00000 10140	MFSK-20/10Bd	(Danix)
13509	XPA	5-11	0720	Wed	456 000 07001 00001 00000 10140	MFSK-20/10Bd	(Danix)
14609	XPA	5-11	0740	Wed	456 000 07001 00001 00000 10140	MFSK-20/10Bd	(Danix)
8124	XPA	6-11	1900	Thu	158 158 158 000	MFSK-20/10Bd	(PPA)
8123	XPA	6-11	1900	Thu	msg	MFSK-20/10Bd	(HFD)
7523	XPA	6-11	1920	Thu	msg	MFSK-20/10Bd	(HFD)
6823	XPA	6-11	1940	Thu	msg	MFSK-20/10Bd	(HFD)
11409	XPA	8-11	0700	Sat	msg	MFSK-20/10Bd	(HFD)
11409	XPA	8-11	0700	Sat	456 000 07645 00001 00000 10140	MFSK-20/10Bd	(Danix)
13509	XPA	8-11	0720	Sat	msg	MFSK-20/10Bd	(HFD)
13509	XPA	8-11	0720	Sat	456 000 07645 00001 00000 10140	MFSK-20/10Bd	(Danix)
14609	XPA	8-11	0740	Sat	456 000 07645 00001 00000 10140	MFSK-20/10Bd	(Danix)
14609	XPA	8-11	0740	Sat	msg	MFSK-16/20Bd	(HFD)
8123	XPA	11-11	1900	Tue	158 158 158 1 03885 00241 66096 ... 85986 96322 77110	MFSK-20/10Bd	(AB)
7523	XPA	11-11	1920	Tue	158 158 158 1 03885 00241 66096 ... 85986 96322 77110	MFSK-20/10Bd	(AB/VH)
6823	XPA	11-11	1940	Tue	158 158 158 1 03885 00241 66096 ... 85986 96322 77110	MFSK-20/10Bd	(AB/VH)
11409	XPA	12-11	0700	Wed	456 1 02454 00191 44222 ... 31475	MFSK-20/10Bd	(Danix)
13509	XPA	12-11	0720	Wed	456 1 02454 00191 44222 ... 31475	MFSK-20/10Bd	(Danix)
14609	XPA	12-11	0740	Wed	456 1 02454 00191 44222 ... 31475	MFSK-20/10Bd	(Danix)
14690	XPA	12-11	0740	Wed	456 456 456 1 194-gr msg	MFSK-20/10Bd	(AB)
8123	XPA	13-11	1900	Thu	158 158 158 000 02008 00001 00000 10140	MFSK-20/10Bd	(AB)
7523	XPA	13-11	1920	Thu	158 158 158 000 02008 00001 00000 10140	MFSK-20/10Bd	(AB)
6823	XPA	13-11	1940	Thu	158 158 158 000 02008 00001 00000 10140	MFSK-20/10Bd	(AB)
11409	XPA	15-11	0700	Sat	456 1 02454 00191 44222 ... 31475	MFSK-20/10Bd	(Danix)
13509	XPA	15-11	0720	Sat	456 1 02454 00191 44222 ... 31475	MFSK-20/10Bd	(Danix)
14609	XPA	15-11	0740	Sat	456 1 02454 00191 44222 ... 31475	MFSK-20/10Bd	(Danix)
8123	XPA	18-11	1900	Tue	158 000 08894 00001 00000 10140	MFSK-20/10Bd	(Danix)
7523	XPA	18-11	1920	Tue	158 000 08894 00001 00000 10140	MFSK-20/10Bd	(Danix)
6823	XPA	18-11	1940	Tue	158 000 08894 00001 00000 10140	MFSK-20/10Bd	(Danix)
11409	XPA	19-11	0700	Wed	456 000 09641 00001 00000 10140	MFSK-20/10Bd	(Danix)
11409	XPA	19-11	0700	Wed	456 456 456 000 09641 00001 00000 10140	MFSK20/10Bd	(AB)
13509	XPA	19-11	0720	Wed	456 000 09641 00001 00000 10140	MFSK-20/10Bd	(Danix)
13509	XPA	19-11	0720	Wed	456 456 456 000 09641 00001 00000 10140	MFSK20/10Bd	(AB)
14609	XPA	19-11	0740	Wed	456 456 456 000 09641 00001 00000 10140	MFSK20/10Bd	(AB)
14609	XPA	19-11	0740	Wed	456 000 09641 00001 00000 10140	MFSK-20/10Bd	(Danix)
8123	XPA	20-11	1900	Thu	158 158 158 000 04927 00001 00000 10140	MFSK-20/19Bd	(AB)
7523	XPA	20-11	1920	Thu	158 158 158 000 04927 00001 00000 10140	MFSK-20/19Bd	(AB)
6823	XPA	20-11	1940	Thu	158 158 158 000 04927 00001 00000 10140	MFSK-20/19Bd	(AB/MPJ)
11409	XPA	22-11	0700	Sat	456 456 456 000 04069 00001 00000 10140	MFSK-20/10Bd	(AB)
13509	XPA	22-11	0720	Sat	456 456 456 000 04069 00001 00000 10140	MFSK-20/10Bd	(AB/VH)
14609	XPA	22-11	0740	Sat	456 456 456 000 04069 00001 00000 10140	MFSK-20/10Bd	(AB/VH)
11409	XPA	26-11	0700	Wed	456 1 01762 00177 84882 ... 40121	MFSK-20/10Bd	(Danix)
13509	XPA	26-11	0720	Wed	456 1 01762 00177 84882 ... 40121	MFSK-20/10Bd	(Danix)
14609	XPA	26-11	0740	Wed	456 1 01762 00177 84882 ... 40121	MFSK-20/10Bd	(Danix)
14609	XPA	26-11	0740	Wed	456 456 456 1 01762 00177 84882 ... 42237 16280 40121	MFSK-20/10Bd	(AB)
11409	XPA	29-11	0700	Sat	456 1 01762 00177 84882 ... 40121	MFSK-20/10Bd	(Danix)
11409	XPA	29-11	0700	Sat	456 456 456 1 01762 00177 84882 ... 42237 16280 40121	MFSK-20/10Bd	(AB)
13509	XPA	29-11	0720	Sat	456 1 01762 00177 84882 ... 40121	MFSK-20/10Bd	(Danix)
13509	XPA	29-11	0720	Sat	456 456 456 1 01762 00177 84882 ... 42237 16280 40121	MFSK-20/10Bd	(AB)
14609	XPA	29-11	0740	Sat	456 456 456 1 01762 00177 84882 ... 42237 16280 40121	MFSK-20/10Bd	(AB)
14609	XPA	29-11	0740	Sat	456 1 01762 00177 84882 ... 40121	MFSK-20/10Bd	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
18238	XPA2	2-11	1300	Sun	msg XPA2m	MFSK-16/20Bd	(HFD)
18238	XPA2	2-11	1300	Sun	03336 000 00000 00030. Corrupt	MFSK-16/20Bds	(MPJ)
18238	XPA2	2-11	1300	Sun	04347 00001 00000 10140	MFSK-16/20Bd	(Danix)
16238	XPA2	2-11	1320	Sun	msg XPA2m	MFSK-16/20Bd	(HFD)
16238	XPA2	2-11	1320	Sun	04347 00001 00000 10140	MFSK-16/20Bds	(MPJ)
16238	XPA2	2-11	1320	Sun	04347 00001 00000 10140	MFSK-16/20Bd	(Danix)
14438	XPA2	2-11	1340	Sun	msg XPA2m	MFSK-16/20Bd	(HFD)
14438	XPA2	2-11	1340	Sun	04347 00001 00000 10140	MFSK-16/20Bd	(Danix)
14438	XPA2	2-11	1340	Sun	04347 00001 00000 10140	MFSK-16/20Bds	(MPJ)
18238	XPA2	4-11	1300	Tue	09614 00001 00000 10140	MFSK-16/20Bds	(MPJ)
16238	XPA2	4-11	1320	Tue	09614 00001 00000 10140	MFSK-16/20Bds	(MPJ)
16114	XPA2	7-11	1420	Fri	03188 00001 00000 10140	MFSK-16/20Bd	(AB)
17462	XPA2	8-11	1400	Sat	msg XPA2r	MFSK-16/20Bd	(HFD)
16114	XPA2	8-11	1420	Sat	msg XPA2r	MFSK-16/20Bd	(HFD)
14828	XPA2	8-11	1440	Sat	msg XPA2r	MFSK-16/20Bd	(HFD)
18238	XPA2	9-11	1300	Sun	06685 00141 74322 98233 43669 ... 42841 65954 69782 69445 22512	MFSK-16/20Bd	(MPJ)
18238	XPA2	9-11	1300	Sun	06685 00141 74322 ... 22512	MFSK-16/20Bd	(Danix)
16238	XPA2	9-11	1320	Sun	06685 00141 74322 98233 43669 ... 42841 65954 69782 69445 22512	MFSK-16/20Bd	(MPJ)
16238	XPA2	9-11	1320	Sun	06685 00141 74322 ... 22512	MFSK-16/20Bd	(Danix)
14438	XPA2	9-11	1340	Sun	06685 00141 74322 98233 43669 ... 42841 65954 69782 69445 22512	MFSK-16/20Bd	(MPJ)
14438	XPA2	9-11	1340	Sun	06685 00141 74322 ... 22512	MFSK-16/20Bd	(Danix)
18238	XPA2	11-11	1300	Tue	06685 00141 74322 ... 22512	MFSK-16/20Bd	(Danix)
16238	XPA2	11-11	1320	Tue	06685 00141 74322 ... 22512	MFSK-16/20Bd	(Danix)
14438	XPA2	11-11	1340	Tue	06685 00141 74322 ... 22512	MFSK-16/20Bd	(Danix)
21859	XPA2	13-11	0800	Thu	04686 00142 47121 ... 85119 93856 36051	MFSK-16/20Bd	(Danix)
20726	XPA2	13-11	0810	Thu	04686 00142 47121 ... 85119 93856 36051	MFSK-16/20Bd	(Danix)
19921	XPA2	13-11	0820	Thu	04686 00142 47121 ... 85119 93856 36051	MFSK-16/20Bd	(Danix)
19117	XPA2	13-11	0830	Thu	04686 00142 47121 ... 85119 93856 36051	MFSK-16/20Bd	(Danix)
18264	XPA2	13-11	0840	Thu	04686 00142 47121 ... 85119 93856 36051	MFSK-16/20Bd	(Danix)
15964	XPA2	13-11	0850	Thu	04686 00142 47121 ... 85119 93856 36051	MFSK-16/20Bd	(Danix)
17462	XPA2	14-11	1400	Fri	00764 00047 94534 ... 50456	MFSK-16/20Bd	(Danix)
14828	XPA2	14-11	1420	Fri	00764 00047 94534 19723 54192 ... 68005 77210 61557 25985 50456	MFSK-10/20Bd	(MPJ)
16114	XPA2	14-11	1420	Fri	00764 00047 94534 ... 50456	MFSK-16/20Bd	(Danix)
16114	XPA2	14-11	1420	Fri	00764 00047 94534 19723 54192 ... 68005 77210 61557 25985 50456	MFSK-10/20Bd	(MPJ)
14828	XPA2	14-11	1440	Fri	00764 00047 94534 ... 50456	MFSK-16/20Bd	(Danix)
17462	XPA2	15-11	1400	Sat	00764 00047 94534 19723 54192 ... 68005 77210 61557 25985 50456	MFSK-16/20Bds	(MPJ)
17462	XPA2	15-11	1400	Sat	00764 00047 94534 ... 50456	MFSK-16/20Bd	(Danix)
16114	XPA2	15-11	1420	Sat	00764 00047 94534 ... 50456	MFSK-16/20Bd	(Danix)
16114	XPA2	15-11	1420	Sat	00764 00047 94534 19723 54192 ... 68005 77210 61557 25985 50456	MFSK-16/20Bds	(MPJ)
14828	XPA2	15-11	1440	Sat	00764 00047 94534 ... 50456	MFSK-16/20Bd	(Danix)
14828	XPA2	15-11	1440	Sat	00764 00047 94534 19723 54192 ... 68005 77210 61557 25985 50456	MFSK-16/20Bds	(MPJ)
18238	XPA2	16-11	1300	Sun	07560 00061 27597 ... 65145	MFSK-16/20Bd	(Danix)
16238	XPA2	16-11	1320	Sun	07560 00061 27597 ... 18289 77756 75145	MFSK-16/20Bd	(VH)
16238	XPA2	16-11	1320	Sun	07560 00061 27597 ... 65145	MFSK-16/20Bd	(Danix)
14438	XPA2	16-11	1340	Sun	07560 00061 27597 ... 65145	MFSK-16/20Bd	(Danix)
14438	XPA2	16-11	1340	Sun	07560 00061 27597 ... 18289 77756 75145	MFSK-16/20Bd	(VH)
18238	XPA2	18-11	1300	Tue	07560 00061 27597 62050 31678 ... 89893 19439 18289 87756 75145	MFSK-16/20Bds	(MPJ)
18238	XPA2	18-11	1300	Tue	07560 00061 27597 ... 65145	MFSK-16/20Bd	(Danix)
16238	XPA2	18-11	1320	Tue	07560 00061 27597 ... 65145	MFSK-16/20Bd	(Danix)
16238	XPA2	18-11	1320	Tue	07560 00061 27597 62050 31678 ... 89893 19439 18289 87756 75145	MFSK-16/20Bds	(MPJ)
14438	XPA2	18-11	1340	Tue	07560 00061 27597 ... 65145	MFSK-16/20Bd	(Danix)
16073	XPA2	19-11	0800	Wed	msg XPA2p	MFSK-16/20Bd	(HFD)
14973	XPA2	19-11	0820	Wed	msg XPA2p	MFSK-16/20Bd	(HFD)
14373	XPA2	19-11	0840	Wed	msg XPA2p	MFSK-16/20Bd	(HFD)
17462	XPA2	21-11	1400	Fri	05207 00001 00000 10140	MFSK-16/20Bd	(AB)
16114	XPA2	21-11	1420	Fri	05207 00001 00000 10140	MFSK-16/20Bd	(AB/VH)
14828	XPA2	21-11	1440	Fri	05207 00001 00000 10140	MFSK-16/20Bd	(AB/VH)
17462	XPA2	22-11	1400	Sat	02009 00001 00000 10140	MFSK-16/20Bd	(Danix)
16114	XPA2	22-11	1420	Sat	02009 00001 00000 10140	MFSK-16/20Bd	(Danix)
14828	XPA2	22-11	1440	Sat	02009 00001 00000 10140	MFSK-16/20Bd	(Danix)
18238	XPA2	23-11	1300	Sun	04582 00001 00000 10140	MFSK-16/20Bd	(Danix)
16238	XPA2	23-11	1320	Sun	04582 00001 00000 10140	MFSK-16/20Bd	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
14438	XPA2	23-11	1340	Sun	04582 00001 00000 10140	MFSK-16/20Bd	(Danix)
17462	XPA2	28-11	1400	Fri	4214 16178 497773790 84006 ... 98181 68832 50412	MFSK-16/20Bd	(MCO)
17462	XPA2	28-11	1404	Fri	Russian Intel	MFSK-16/20Bd	(MCO)
16114	XPA2	28-11	1420	Fri	4214 16178 497773790 84006 ... 98181 68832 50412	MFSK-16/20Bd	(MCO)
18238	XPA2	30-11	1300	Sun	04625 00001 00000 10140	MFSK-16/20Bd	(MPJ)
16238	XPA2	30-11	1320	Sun	04625 00001 00000 10140	MFSK-16/20Bd	(MPJ)
14438	XPA2	30-11	1340	Sun	04625 00001 00000 10140	MFSK-16/20Bd	(MPJ)
4231.5	XSL	10-11	2231	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
4153	XSL	10-11	2231	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
5417	XSL	10-11	2232	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
6250	XSL	10-11	2234	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
6417	XSL	10-11	2234	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
6445	XSL	10-11	2236	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
8313	XSL	10-11	2237	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
8703.5	XSL	10-11	2237	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
8588	XSL	10-11	2237	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
8588.	XSL	16-11	2212	Sun	Japanese Navy	QPSK 1500Bd	(AAI)
8313	XSL	18-11	0746	Tue	Japanese Slot Machine	QPSK 1500Bd	(Chad)
8588.5	XSL	18-11	0833	Tue	Japanese Slot Machine	QPSK 1500Bd	(Chad)
8703.5	XSL	18-11	0833	Tue	Japanese Slot Machine	QPSK 1500Bd	(Chad)
8313	XSL	22-11	2205	Sat	Japanese Navy	QPSK 1500	(AAI)

CONTRIBUTORS

AAI	Antonio Anselmi, Italy	John	John
AB	Ary Boender, Netherlands	JPL	JPL, Ontario, Canada
Arg	Argonn	JPL-HK	JPL via remote rx Hong Kong
Avare	Avare	JPL-Sib	JPL via remote rx Siberia
BCI	Bruno Casula, Italy	KK2	Kristian K, Central Europe
Chad	Chad, AZ, USA	LG2	Les G, UK
Dan	Daniel, Argentina	MCO	Mike Chace-Ortiz, PA, USA
Danix	Danix111, Poland	MPJ	Jim, SW England
DJPr	DJpeter via Radioscanner/Priyom	N2QHC	Tony, FL, USA
DSch	Don Schimmel, USA	PPA	Peter Poelstra, Netherlands
ER	Ernie Rice, USA	Token	TI, CA, USA
EW	Eddy Waters, Australia	Tom	Tom, Lincs, UK
Faux	Faux, Ireland	Topol	Tony, UK
G7PXX	John G7PXX, UK	VH	Vince Havrilko
GHn	Gary Hagermann, UK	WP3	Wolfgang Palmberger
HFD	Hans-Friedrich Dumrese, Germany		

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