Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #211, April 2015

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Numbers & Oddities   http://www.numbersoddities.nl

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for
the members of the Utility DXers Forum (UDXF), the Spooks mailing list,
HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations
and other odd radio signals on shortwave.

Hi all,

First a sad announcement:
Following an Email from Nick Rumple's wife, it appears that my colleague on the Logs Team is in rather a critical, but improving condition in hospital. Nick, who lives in Kannapolis, North Carolina, went out to buy groceries and was involved in a very serious road accident which left him in a coma, with more than 23 broken bones and a collapsed lung. He wasn't expected to have survived Wednesday night, but although he is still unconscious, his condition improved somewhat during Thursday and the medics are optimistic after having restored the collapsed lung. I'm sure you'll join me in wishing him a speedy recovery and a return to the hobby. 73 de Jim, UDXF Team Logs.

I wish you all the best, Nick. I hope that you will recover soon !!! -Ary-

On a brighter note: 21 April marked the 9th birthday of UDXF, the Utility DXers Forum. Time flies !!!!

VOICE STATIONS
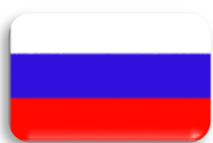
 E06

17470 kHz, 02-04/16-04, 0600 UTC
951 264 108
22574 65048 42344 27436 79303 71472 05423 22970 85917 82993
36438 50852 18184 52650 46557 11685 78908 65928 95502 40581
01149 50590 09467 80381 33558 97152 52242 81090 56304 32198
60525 20103 00976 11703 79306 22933 72946 26571 58299 89107
99609 37567 95346 52926 52927 81828 37727 33773 19742 18146
77321 55669 18269 03204 00553 40741 84228 15962 79053 06319
75033 72372 11999 20316 65491 97617 56028 94614 33440 48046
03705 21115 58763 00015 96453 80151 84229 47804 82899 75964
11575 77807 58562 78900 31286 11178 47833 79049 09504 32115
14170 80984 80501 43991 09460 94312 18160 20487 98473 99703
84890 43943 19362 95102 81432 48106 66113 51803
264 108 00000

5186 kHz, 02-04, 0830 UTC
891 237 20
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
237 20 00000

9048 kHz, 29-04, 1531 UTC
158 294 63
28421 37516 56535 25997 03479 58377 78453 72403 63229 13985
32079 74987 31162 42269 84464 31104 79466 06298 36578 48692
38351 84633 93803 92541 96089 15295 04512 70878 00721 48021
40126 29475 99348 84524 15143 45470 75981 11420 70518 38079
73837 55514 68881 38387 13063 16152 74992 85411 39800 54294
19902 40626 67539 43024 72230 38120 96688 09172 65016 12601
23314 20726 51573
294 63 00000

E07

12108 kHz, 06-04, 1900 UTC
172 1 3424 85
24207 47955 06136 61402 05681 19546 52078 56557 16286 55490
64871 34241 41747 92907 95896 37425 67134 24477 89944 57673
33793 06570 47974 12042 42814 67253 70689 61630 67155 30930
63221 89271 23680 25061 36149 22860 70040 55564 60681 12114
47578 20709 77141 15991 42810 11491 31018 92552 39619 65148
57906 50746 81068 45910 51672 94530 36691 40746 12642 76272
36755 49263 32071 79749 91733 21071 35345 66161 10677 40879
90522 05085 26080 83632 42709 91134 73966 44669 78296 10055
86559 04264 41909 43939 08627
000 000

12108/9208 kHz, 20-04, 2000/2040 UTC
172 1 297 53
99489 25032 22968 37305 67675 47996 66868 79417 22613 47699
99213 89776 08764 07427 16406 13950 42546 17485 82029 29651
47410 90770 13588 53784 12577 04756 36871 56843 46903 83481
75943 75471 47512 05086 70416 05892 21433 33169 37901 53262
28530 90180 67911 09196 67688 67380 84834 98536 14600 79937
10983 90050 50351
000 000

14603/13403/12103 kHz, 29-04, 1700/1720/1740 UTC
641 1 252 131 252 131
57660 66174 31103 17649 18714 73279 33438 67081 22263 27978
77971 39458 16928 64287 10612 97265 51528 42362 89874 81340
70341 86716 08447 28860 72156 67653 59102 74033 41109 01099
10395 35142 25361 31193 87972 42493 06541 65288 42016 73274
14028 71327 06747 79021 62434 51722 56858 49451 89139 35023
86272 40084 85687 44529 76862 85312 84513 03139 52219 60105
23381 63282 89067 35902 10646 20579 78016 42829 20685 03234
62397 50633 10504 94438 70309 70493 43346 22311 79169 60373
65215 05786 16141 18017 32625 39944 83452 21014 14119 17692
47479 96115 59430 06528 80960 85486 03536 42191 29870 99533
57729 88170 99062 85337 29182 82468 01507 01729 71230 41512
58768 39786 54477 21234 04592 42124 54989 18161 64985 90551
22665 86466 61255 80834 17651 73626 37067 47819 51898 83051
85737
000 000

E07a

6788 kHz, 09-04, 0430 UTC
741 1 38278 487 79
60350 54561 93087 57592 39234 09480 62345 36568 18805 97689
48963 07603 23059 90456 32912 39560 33148 57194 75915 71582
02425 77458 53697 39594 53654 08908 43295 84450 36997 13912
01016 11048 47313 81323 49144 63797 58116 48180 44031 24629
96052 71442 87136 66818 71955 94518 49708 76491 18094 26173
71438 88155 06178 34636 80060 72846 29059 00122 10583 94843
03384 02831 98462 34280 88774 38470 84998 65046 23205 89365
05456 28773 13613 18770 53718 94594 13444 54040 71872
000 000

11074 kHz, 10-04, 1530 UTC
102 1 16551 3189 67
69299 93239 58085 84194 80606 05426 94095 53723 00765 80021
09217 41168 71066 29524 13519 33920 02783 15907 70020 99047
67936 68475 85604 96809 01875 15609 47250 47411 77635 76144
94015 24952 85259 86793 31244 69387 63492 88065 75615 92138
20083 91620 23867 09063 94148 14009 19350 03186 34574 38412
69763 18255 51901 90781 13510 32899 02370 14665 92153 19081
91394 50662 09943 10796 04283 69030 87464
000 000

E11/ E11a

5194 kHz, 03-04, 1810 UTC
959/26 Attention
04186 03163 32600 43290 76799 50922 87908 60577 64450 62488
25110 15218 86822 91133 63363 79360 72963 22514 41013 35827
34708 04378 36426 39615 08834 30579
Attention, rpt msg, out

9960 kHz, 06-04, 0820 UTC
431/37 Attention
65178 61108 03102 27388 49358 64675 23860 34993 23903 10208
24631 18621 87877 88620 39101 14935 65325 46611 64929 77634
47193 66567 62916 20340 34217 15942 14919 93054 84490 56769
69510 02612 62317 60203 37278 91354 68696
Attention, rpt msg, out

13375 kHz, 06-04, 1110 UTC
950/40 Attention
50169 99571 41010 03165 68805 77671 58777 05953 74700 19709
16745 68300 62378 19241 32403 55894 22236 70995 55323 71860
88594 12781 31257 20638 03002 73143 04617 74420 60693 11528
78496 40799 33771 69507 65299 30373 22398 02460 10518 24741
Attention, rpt msg, out

5194 kHz, 13-04, 1710 UTC
955/21 Attention
61283 02874 27411 60795 43183 93230 37543 76490 21344 10848
43952 93804 32902 44787 53281 29392 86612 60727 86029 68234
50904
Attention, rpt msg, out

10221 kHz, 17-04, 0710 UTC
634/32 Attention
17919 01975 66665 96220 98091 37625 05956 30743 36669 13241
49462 59143 20284 37531 58689 09721 78367 21988 84402 18213
40274 03548 35144 39959 60826 38026 35490 18441 61143 87448
09264 08435
Attention, rpt msg, out

4638/5231 kHz, 17-04, 1905/1920 UTC
121/24 Attention
60560 07234 69010 19778 07456 87201 32930 00946 25040 89108
70746 37999 37791 20825 15657 91221 86385 42194 65137 68693
12481 24473 16442 96071
Attention, rpt mag, out

5194 kHz, 20-04, 1710 UTC
955/21 Attention
59128 78179 94500 04916 02185 83975 54168 88212 06558 20155
52862 66339 01372 99711 43799 21881 05248 64772 93279 12570
45481
Attention, rpt msg, out

15915 kHz, 22-04, 1155 UTC
712/38 Attention
92075 19695 28465 33974 81872 30967 64258 76744 90653 93022
12654 60200 63928 98432 51579 26776 57970 93241 18829 53085
14924 04020 49178 48976 14088 08363 16688 60250 47164 50919
61660 30531 42226 35781 66977 28035 66739 68114
Attention, rpt msg, out

10213 kHz, 22-04, 1705 UTC
391/34 Attention
36366 93353 45342 59010 50655 78201 52765 15428 30851 38086
48430 86754 68796 80426 84534 12142 95727 78017 63553 10039
44205 47952 36941 52090 44779 15262 25835 68141 25007 42314
17996 25764 25643 14721
Attention, rpt msg, out

15915 kHz, 23-04, 1155 UTC
712/38 Attention
92075 19695 28465 33974 81872 30967 64258 76744 90653 93029
12654 60200 63928 98432 51579 26776 57970 93241 18829 53085
14924 04020 49178 48976 14088 08363 16688 60250 47164 50919
61660 30531 42226 35781 66977 28035 66739 68114
Attention, rpt msg, out

10690 kHz, 24-04, 0830 UTC
647/30 Attention
50334 75336 84544 31465 51312 59885 76226 05662 79501 83465
91733 64216 84501 37926 77792 62372 91941 01913 64226 31082
31976 43307 03737 66299 47243 19937 18171 41870 01490 40103
Attention, rpt msg, out

15825 kHz, 26-04, 0730 UTC
352/37 Attention
50854 32906 84620 08514 15754 30201 55776 77463 39582 66867
60816 43583 95039 85056 13614 88077 35919 62647 22912 93803
99015 33985 31259 73180 60344 73086 40547 21958 12110 14591
07928 23723 92257 32850 02971 32826 96650
Attention, rpt msg, out

10213 kHz, 27-04, 0745 UTC
268/30 Attention
45411 21457 21760 92357 45754 75513 01506 60595 58529 94082
53184 80998 30455 00593 22753 82578 67841 39307 16654 40403
38306 47941 20647 54439 82404 02973 75282 01471 00933 06498
Attention, rpt msg, out

9399 kHz, 27-04, 0900 UTC
534/30 Attention
06935 74266 91377 99795 05299 68144 49435 30457 15247 02366
23738 89371 83430 38834 01583 33686 97555 02892 80177 64901
49069 94776 09015 61192 04371 71016 23837 43688 47368 53429
Attention, rpt msg, out

7449 kHz, 28-04, 1045 UTC
461/35 Attention
72193 97210 29697 31892 42982 25726 21536 49409 30197 01687
62124 20405 41114 28818 04093 03508 15811 68835 67517 70022
89382 80451 08294 60380 69631 81301 91275 79296 83813 00717
11832 67376 29676 44533 37256
Attention, rpt msg, out

9399 kHz, 29-04, 0900 UTC
534/30 Attention
06935 74266 91377 99795 05299 68144 49435 30457 15247 02366
23738 89371 83430 38834 01583 33686 97555 02892 80177 64901
49069 94776 09015 61192 04371 71016 23837 43688 47368 53429
Attention, rpt msg, out

8803 kHz, 29-04, 0930 UTC
273/34 Attention
12029 86012 93225 93078 49894 79344 07961 59892 35480 54555
99156 14569 62236 63237 44646 71131 36865 77898 26303 65676
63820 80582 89969 56869 85786 18784 71370 48693 62915 38017
27093 93791 12474 61304
Attention, rpt msg, out

7449 kHz, 29-04, 1045 UTC
461/35 Attention
72193 97210 29697 31892 42982 25726 21536 49409 30197 01687
62124 20405 41114 28818 04093 03508 15811 68835 67517 70022
89382 80451 08294 60380 69631 81301 91275 79296 83813 00717
11832 67376 29676 44533 37256
Attention, rpt msg, out

8803 kHz, 30-04, 0930 UTC
273/34 Attention
12029 86012 93225 93078 49894 79344 07961 59892 35480 54555
99156 14569 62236 63237 44646 71131 36865 77898 26303 65676
63820 80582 89969 56869 85786 18784 71370 48693 62915 38017
27093 93791 12474 61304
Attention, rpt msg, out

10330 kHz, 30-04, 1530 UTC
268/30 Attention
45441 21457 21760 92357 45754 75513 01506 60595 58529 94082
53184 80998 30455 00693 22753 82578 67841 39307 16654 40403
38306 47941 20647 54439 82404 02973 75282 01471 00933 06498
Attention, rpt msg, out

13357 kHz, 06-04, 1400 UTC
985/10 Attention 46393 29440 43747 66764 15658 79909 60980 00352 83384 31285 Attention, rpt msg, out

13455 kHz, 07-04, 1810 UTC
981/10 Attention 38360 07715 73159 38162 09587 38860 10850 90990 01974 22388 Attention, rpt msg, out

10213 kHz, 18-04, 0530 UTC
980/10 Attention 35342 58238 95253 59450 80191 07825 56213 02909 84642 17549 Attention, rpt msg, out

13455 kHz, 18-04, 1810 UTC
982/10 Attention 79456 18827 57688 22863 27039 15271 30262 64242 65167 23461 Attention, rpt msg, out

13455 kHz, 21-04, 1810 UTC
981/10 Attention 38360 07715 73159 38162 09587 38860 10850 90990 01974 22388 Attention, rpt msg, out

13455 kHz, 25-04, 1810 UTC
986/10 Attention 43236 89121 95592 75223 71832 19926 83055 78039 79557 37287 Attention, rpt msg, out

10213 kHz, 28-04, 0530 UTC
986/10 Attention 43236 89121 95592 75223 71832 19926 83055 78039 79557 37287 ttention, rpt msg, out

13375 kHz, 28-04, 1400 UTC
981/10 Attention 19404 09195 97557 32603 13936 98594 40373 96336 21070 82486 Attention, rpt msg, out

13455 kHz, 28-04, 1810 UTC
985/10 Attention 99734 50868 11515 92253 23787 09781 71214 00289 43922 69216 Attention, rpt msg, out

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 E17z

14260/12930 kHz, 23-04, 0800/0810 UTC
674 820 5 42900 58466 46645 43850 58546 820 5 00000

 E22

Avare copied three E22 transmission. Cool !
15040 kHz, 09-04, 1300 UTC:	This is BD3 BD3 BD3 BD3 BD3
17387 kHz, 09-04, 1310 UTC:	This is BD3 BD3 BD3 BD3 BD3
11620 kHz, 17-04, 1900 UTC:	This is BD3

G06

4632/6810 kHz, 06-04, 1700/1800 UTC
5915/5458 kHz, 08-04, 1200/1300 UTC
4632/5380 kHz, 13-06, 1700/1800 UTC
248 913 90
80422 49758 21042 72317 44380 05478 98037 70915 70998 79587
44260 76887 66867 30769 39738 76687 05570 48667 30346 16851
01553 28853 88764 22680 36710 88159 96733 39981 84532 69842
44920 56647 07986 59465 78074 54523 73278 77255 74626 71870
63247 00320 09192 83128 09699 71834 27789 36690 85536 46146
18154 11598 57722 60712 67177 33268 70533 01679 03339 05718
53467 76468 28424 89086 77491 51279 10946 66322 67379 64989
59917 99893 82988 01133 31811 46564 59448 98904 14739 77701
41368 60474 50717 13371 23608 80831 99108 78057 48535 72372
913 90 00000

5442 kHz, 10-04/24-04, 1930 UTC
947 215 20
06132 75514 79681 94217 21443 31441 81797 17512 62689 33103
48930 93432 25709 93628 48683 18809 85052 49870 63962 04884
215 20 00000

5934 kHz, 23-04, 1830 UTC
579 832 20
37839 34787 98273 62187 16222 95625 31691 52538 61225 22567
93296 67423 42968 16891 63781 34822 24842 62491 75924 24594
832 20 00000

S06

19144 kHz, 06-04, 1020 UTC
216 389 57
23737 60325 75005 31807 81486 26517 01268 80178 11275 28295
40267 55314 35600 32919 77107 01758 47283 29957 61940 56855
41027 07836 86488 02158 14215 76592 91544 69619 41636 60254
22597 88517 53827 07273 75797 84026 73708 92479 01451 63395
91212 08973 57199 50659 80587 73378 28115 55820 90064 92942
55866 89442 58575 67864 44157 58594 39208
389 57 00000

22892 kHz, 07-04, 1120 UTC
390 641 52
86777 42434 45640 13373 70908 79850 90264 92848 93331 33492
47641 33302 02015 01863 78631 55706 60204 68066 08101 06148
82088 96868 03993 19927 97074 74827 71732 62322 97362 66928
31148 81961 48515 88162 68098 37710 67693 13476 78001 85048
99265 74547 43437 32851 42461 16807 13026 06514 10759 15159
73757 78369
641 52 00000
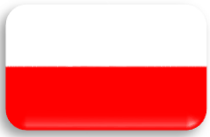
S11a

7317 kHz, 07-04, 0915 UTC
485/30 Vnimanie
53095 36224 68633 70748 62418 27008 18556 66029 91246 19926
15962 54868 83127 28235 08324 07320 41943 90035 05188 49621
38853 39859 65349 46521 29630 10017 05167 32327 03589 73032
Vnimanie, rpt msg, konec

5358 kHz, 21-04, 0455 UTC
320/32 Vnimanie
99252 93430 61618 44105 68835 84969 78667 35677 56461 21064
51529 91708 77627 87464 38220 48225 00459 90938 64455 26300
13537 31031 67083 01575 52237 00108 52778 32374 03495 95812
46713 43293
Vnimanie, rpt msg, konec

9960 kHz, 24-04, 1020 UTC
427/35 Vnimanie
33534 84834 30856 03432 78818 01369 84188 05007 69426 33927
15498 35480 42872 90458 78925 18628 45024 54763 31208 30575
98072 25716 02241 62603 42058 58659 55540 75911 15909 40783
33658 41973 01525 81035 49938
Vnimanie, rpt msg, konec

S28 - The Buzzer

Mode: USB
Frequency: 4625 kHz

06-04, 0820 UTC	Test count 1 2 3 4 5 6 7 8 9 0
06-04, 0852 UTC	MDZhB 84 674 LIPAK 1520 1796
06-04, 0929 UTC	Test count 1 2 3 4 5 6 7 8 9 0
06-04, 1019 UTC	MDZhB 02 357 LIPAVLON 1100 8291
06-04, 1140 UTC	MDZhB 99 897 CIN'HA 3693 0944
07-04, 1311 UTC	MDZhB 47 659 ShINShiLLA 9264 8259
06-04, 1333 UTC	MDZhB 84 828 SINHROTRON 8179 6586
06-04, 1415 UTC	MDZhB 44 448 DINOFYeK 1389 7766
06-04, 1433 UTC	MDZhB 47 986 MINONOSNYJ 8640 1411
09-04, 0755 UTC	MDZhB KINODIALOG 6984 3322
09-04, 0843 UTC	MDZhB 37 549 VINKATON 3659 2260
13-04, 0125 UTC	Marker generator power failure
13-04, 1224 UTC	MDZhB 64 586 TINKAL' 7527 0698
13-04, 1244 UTC	MDZhB 51 239 GINYeCYeJ 4479 1695
13-04, 1251 UTC	MDZhB 49 500 DINGI 6677 0985
16-04, 0650 UTC	MDZhB 90 430 ChINAB 9720 5614
16-04, 1210 UTC	MDZhB 56 327 TIMYeJKA 3103 3945
16-04, 1429 UTC	MDZhB 24 157 SIMVOLIKA 2332 9867
20-04, 1222 UTC	MDZhB 44 411 BIL'BOKYe 0507 2167
20-04, 1345 UTC	MDZhB 87 943 BIL'BOKS 2673 4954
20-04, 1222 UTC	MDZhB 44 411 BIL'BOKYe 0507 2167
20-04, 1345 UTC	MDZhB 87 943 BIL'BOKS 2673 4954
23-04, 0803 UTC	MDZhB 21 964 FILOKARTIYa 6353 8415
27-04, 0912 UTC	MDZhB 64 981 VILAShA 5813 2231

27-04, 1137 UTC	MDZhB 71 911 YuSILANOL 7113 5176
29-04, 2307 UTC	MDZhB Generator power failure
30-04, 1022 UTC	MDZhB 29 442 PILAV 6923 9558
30-04, 1030 UTC	MDZhB 04 547 PIKTS 3327 8882
30-04, 1320 UTC	MDZhB 84 360 SIKOMOR 3494 4359
30-04, 1416 UTC	MDZhB 58 972 CIKLOSyeDAL 2506 0281

S30 - The Pip

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

3756 kHz, 01-04, 2316 UTC	Marker generator power failure. S32 went down at the same time
5448 kHz, 03-04, 0447 UTC	CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR
3756 kHz, 03-04, 1657 UTC	49FT 42BV 81BR 29 262 34 311 29 810 PROFOS 3576 1419
3756 kHz, 03-04, 1711 UTC	42BV 64 311 PROFOS 3576 1419 Repeat of previous signal for 42BV with number correction
3756 kHz, 03-04, 1930 UTC	MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch
5448 kHz, 04-04, 1429 UTC	8S1Shch 24 364 08 154 71 048 ZYeRNOYaDNYJ 3658 5590
5448 kHz, 05-04, 1433 UTC	8S1Shch 95 022 SOVONICA 5131 8753
3756 kHz, 05-04, 1752 UTC	INNC ShchGJP TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5
5448 kHz, 06-04, 0433 UTC	VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS'
3756 kHz, 06-04, 1705 UTC	HCLF 61HZh ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P
5448 kHz, 07-04, 0450 UTC	Y8MV 6I2Zh 8CShch' 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI
3756 kHz, 07-04, 1412 UTC	8S1Shch 50 103 YeHIDSTVO 9474 3442
5448 kHz, 07-04, 1433 UTC	8S1Shch 13 566 ANAPLAMOZ 4017 0111
3756 kHz, 07-04, 1743 UTC	8MUO TUZR 5J7Shch DMC3 49FT C2ZA INNC ShchGJP TZLM FY5E
3756 kHz, 07-04, 1758 UTC	8S1Shch GYeKSOBIOZA 99 54
3756 kHz, 07-04, 2014 UTC	M7KS PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5
3756 kHz, 10-04, 1806 UTC	4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'
3756 kHz, 15-04, 1740 UTC	LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ 27Shch' N1DU 53OB
5448 kHz, 17-04, 1407 UTC	8S1Shch 73 111 VODYeNIChAR 1633 8804
5448 kHz, 17-04, 1421 UTC	8S1Shch 55 807 KAGAYaN 1145 6761
3756 kHz, 24-04, 1824 UTC	ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh
3756 kHz, 25-04, 1802 UTC	5J7Shch DMC3 49FT C2ZA INNC ShchGJP TZLM FY5E F61N 37CN
3756 kHz, 27-04, 0413 UTC	V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ 27Shch'
3756 kHz, 27-04, 1812 UTC	S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3
3756 kHz, 27-04, 1819 UTC	ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ
3756 kHz, 30-04, 1815 UTC	AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS' DKJ1

S32 - Squeaky *Wheel*

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

3828 kHz, 01-04, 1732 UTC	STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39
3828 kHz, 01-04, 2316 UTC	Marker down at the same time as S30
3828 kHz, 02-04, 1939 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27
3828 kHz, 03-04, 0207 UTC	ALFA-45 09 932 VAZhDA 2513 3885
5473 kHz, 03-04, 1216 UTC	ALFA-45 86 211 AGAMNYJ 6035 9496
5473 kHz, 03-04, 1455 UTC	ALFA-45 54 606 KINOPLYeNKA 4088 5026
3828 kHz, 04-04, 1757 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
3828 kHz, 04-04, 1935 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 KURGAN-40 DUBLYoR-68 SLUZhBA-32
5473 kHz, 07-04, 1308 UTC	ALFA-45 35 218 VYeRNIN 8768 5481
5473 kHz, 07-04, 1410 UTC	ALFA-45 82 745 RUKOGAS 4476 2547
5473 kHz, 07-04, 1429 UTC	ALFA-45 63 309 TOKMACh 2362 2566

3828 kHz, 07-04, 1758 UTC	Relay of the Pip (S30 channel marker)
3828 kHz, 07-04, 1802 UTC	ALFA-45 PYeNAMYeTALL 70 65
3828 kHz, 08-04, 1835 UTC	ALFA-45 GYeKSOBIOZA 99 54
3828 kHz, 09-04, 1801 UTC	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 ShTUKA-32 DZhIGIT-46
3828 kHz, 10-04, 0030 UTC	FONTAN-34 ALEUT-09 DZhIGIT-46
3828 kHz, 10-04, 2013 UTC	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39
3828 kHz, 12-04, 0414 UTC	Al'fa45 78 5 00 78 ABYeTsYeDARIJ 25 52 32 12
3828 kHz, 12-04, 1941 UTC	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 KOVBOJ-39 DUBLYoR-68
3828 kHz, 13-04, 1802 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
3828 kHz, 14-04, 1653 UTC	ALFA-45 64 863 ALYeJ 3556 5465
3828 kHz, 14-04, 2036 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39
3828 kHz, 15-04, 1835 UTC	STAZhYeR-29 KURGAN-40 60 624 14 268 YaHKALKA 8852 5058
3828 kHz, 14-04, 1839 UTC	STAZhYeR-29 KURGAN-40 71 031 34 852 FYeLLO 3768 1423
3828 kHz, 14-04, 1909 UTC	STAZhYeR-29 KURGAN-40 58 490 10 447 UHOL' 0359 7897
3828 kHz, 14-04, 1936 UTC	STAZhYeR-29 KURGAN-40 84 806 82 484 INOZIN 9373 8149
3828 kHz, 14-04, 2226 UTC	STAZhYeR-29 KURGAN-40 68 860 92 657 PROKLA 7364 6064
5473 kHz, 17-04, 1413 UTC	ALFA-45 23 976 BITOK 3047 9827
5473 kHz, 17-04, 1426 UTC	ALFA-45 79 672 HLORTOLUOL 3447 0231
3828 kHz, 22-04, 1835 UTC	K3VJ M7KS Shch8AF 08 956 56 539 49 845 ELYeKTROBUS 1153 7216
3828 kHz, 22-04, 1844 UTC	K3VJ M7KS Shch8AF 04 824 10 997 36 253 PAGLINOK 7635 4431
3828 kHz, 22-04, 1917 UTC	K3VJ M7KS Shch8AF 76 915 00 157 63 637 MAAR 0960 6694
3828 kHz, 22-04, 1917 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27
3828 kHz, 22-04, 1928 UTC	K3VJ M7KS Shch8AF 33 716 71 526 01 712 SALASA 9045 2927
3828 kHz, 22-04, 2056 UTC	K3VJ M7KS Shch8AF 99 531 06 402 61 670 ABSYeNTYeIST 2875 8905
3828 kHz, 23-04, 1736 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 KURGAN-40

7009 kHz, 24-04, 1429 UTC
7009 kHz, 25-04, 0917 UTC.

Squeaky Wheel marker on new day time frequency //5473 kHz.
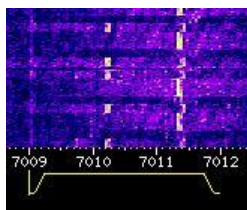
7009 kHz, 25-04, 1016 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 KURGAN-40 DUBLYoR-68 STUPA-32
3828 kHz, 25-04, 1732 UTC	STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39 ROSA-64 DZhIGIT-46
3828 kHz, 25-04, 1915 UTC	OTPOR-89 YaHTA-94 FONTAN-34 SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27
7009 kHz, 26-04, 1521 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
7009 kHz, 27-04, 0946 UTC	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 DUBLYoR-68
7009 kHz, 27-04, 1132 UTC	ALFA-45 71 442 IMATYeL' 2214 5547
7009 kHz, 27-04, 1137 UTC	ALFA-45 74 474 ZhAROVOJ 5145 5451
3828 kHz, 27-04, 1549 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 KURGAN-40
3828 kHz, 27-04, 1804 UTC	STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39 STUPA-32
7009 kHz, 28-04, 0741 UTC	STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39
7009 kHz, 28-04, 1318 UTC	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27
3828 kHz, 28-04, 1911 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
7009 kHz, 29-04, 0708 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 STUPA-32
3828 kHz, 29-04, 1738 UTC	STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39
7009 kHz, 30-04, 0804 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07
7009 kHz, 30-04, 1014 UTC	ALFA-45 02 587 KORONYeR 0085 4432
7009 kHz, 30-04, 1021 UTC	ALFA-45 33 677 ShAMPANYeYa 3546 1421
3828 kHz, 30-04, 1806 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KARTA-11
3828 kHz, 30-04, 2030 UTC	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27

S5292

Frequencies: 5252 kHz USB (voice)
5252.3 kHz CW (channel marker)

01-04, 0716 UTC	SYeKRYeT-39 52 331 ANATOM 5468 9986	
01-04, 0726 UTC	BOYeC-43 68 363 USTUPKA 8647 9647	
01-04, 0736 UTC	BARZHA-08 55 990 ChUGUN 2146 7474	
01-04, 0741 UTC	FAZAN-37 98 257 PAMYaT' 5454 9698	
03-04, 0639 UTC	SYeKRYeT-39 47 589 PYeRYeNYeT 4538 0384	
03-04, 0731 UTC	TRYeL'-31 94 211 TURYeL' 4638 3292	
03-04, 0741 UTC	FAZAN-37 10 231 CIPKALO 3746 3921	
05-04, 0757 UTC	BARZHA-08 24 245 OBOROT 3436 8886	
05-04, 0806 UTC	BOYeC-43 28 436 KONDITYeR 6443 7548	
05-04, 0816 UTC	SYeKRYeT-39 27 463 RABOTNIK 2364 9638	
13-04, 1202 UTC	FAZAN-37 83 838 ZAMYeTNYJ 3781 6538	
15-04, 0751 UTC	FAZAN-37 15 425 PROSYeKA 1536 9643	
15-04, 0918 UTC	Test count 1 2 3 4 5 6 7 8 9 0	
15-04, 1142 UTC	Test count 1 2 3 4 5 6 7 8 9 0	
15-04, 1148 UTC	Test count 1 2 3 4 5 6 7 8 9 0	
15-04, 1430 UTC	Test count 1 2 3 4 5 6 7 8 9 0	
15-04, 1437 UTC	Test count 1 2 3 4 5 6 7 8 9 0	
17-04, 1932 UTC	Buzzer-marker	
23-04, 1249 UTC	FAZAN-37 89 731 DOROGA 5477 1222	
23-04, 1313 UTC	Test count 1 2 3 4 5 6 7 8 9 0	
23-04, 1316 UTC	Test count 1 2 3 4 5 6 7 8 9 0	
23-04, 2004 UTC	Buzzer-marker	
24-04, 1632 UTC	Buzzer-marker	
26-04, 1941 UTC	Buzzer-marker	

V02a
Dirección General de Inteligencia

7555 kHz, 28-4, 1959 UTC: During the callup they started switching back and forth between V02a and M08a.

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

Partly unconfirmed new schedules. Please let us know if you hear the station.

15388 kHz	0200-0230 UTC	New Star 1	11430 kHz	0700-0730 UTC	New Star 4
15388 kHz	0300-0330 UTC	New Star 1	11430 kHz	0800-0830 UTC	New Star 4
15388 kHz	0400-0430 UTC	New Star 2	7502 kHz	1200-1230 UTC	New Star 4
11430 kHz	0500-0530 UTC	New Star 3	7502 kHz	1300-1330 UTC	New Star 4
11430 kHz	0600-0630 UTC	New Star 3			

VC01 - Chinese Robot
Chinese Air Defense

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:
3036, 3749, 3837, 4075, 4140, 4165, 4175, 4180, 4258, 4343, 4410, 4422, 4427, 4480, 4530, 4580, 4726.5, 5114, 5195, 5232, 5288, 5303, 5328, 5330, 5343, 5393, 5471, 5592, 5700, 5740, 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, 8346, 8779, 9000, 9129, 9169, 9192, 9290, 9340, 10508, 17392 kHz.

8346 kHz, 07-04, 0704 UTC, USB

8346 kHz, 07-04, 1908, 2020, 2028 UTC, USB

8346 kHz, 25-04, 1802 UTC, USB

MORSE STATIONS
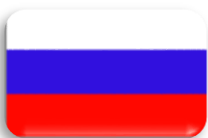
MX
Russian Military beacons

Current cluster frequencies:	**Cluster beacon slots:**
3594, 4558, 5154, 7039, 8495, 10872, 13528, 20048 kHz	.7 "D", Sevastopol
	.8 "P", Kaliningrad
Other frequencies:	.9 "S", Severomorsk
L 6917.5, 8497.8 kHz	.0 "C", Moscow
V 3658, 4150, 6809, 6928, 7027.5 kHz	.1 "A", Astrakhan
R 5466 kHz	.2 "F", Vladivostok
W, R, N, G, C, K, Z, L, V, Ü 5620, 5835, 8112, 8162 kHz (Tu-Bear net)	.3 "K", Petropavlovsk Kamchatskiy
	.4 "M", Magadan

M03

5463 kHz, 22-04, 1320 UTC
542/32 =
11538 36167 89219 90243 61364 84064 53373 47044 36154 08326
71560 77764 04967 25596 94802 28502 76686 20071 21686 25474
97004 72819 12815 16831 27423 55016 71904 90885 08708 29586
61488 23989
= 542/32 = rpt msg = 000

M08a
Dirección General de Inteligencia

M08a oddities:

8096 kHz, 1-4, 1359 UTC	No callup. Into text
7554 kHz, 9-4, 2010 UTC	Started late and into text, no callup
7554 kHz, 16-4, 2132 UTC	Cuban cut nbrs: NRDDA DTIWN UDAGA 161958. Still going at 2005 UTC and apparently added another addressee RGNRA. S/off at 2132 UTC
7554 kHz, 18-4, 2019 UTC	Tuned but no tfc followed
8135 kHz, 26-4, 2306 UTC	Cuban cut nbrs. No callup, into text
7554 kHz, 30-4, 1016 UTC	No callup into Cuban cut nbrs
7555 kHz, 28-3, 1959 UTC	During the callup they started switching back and forth between V02a and M08a.

M14

18041 kHz, 02-04, 0500 UTC
952 143 60 =
09414 25701 91157 05551 73145 14681 92244 14885 54056 64189
33159 29560 94251 80793 02070 42148 90253 90462 20511 93702
89203 13256 85520 28175 79672 11135 77491 75432 25537 51120
44688 17596 16369 50964 00360 18346 32758 99530 93388 19918
50018 69067 38408 37455 18708 61564 16340 05417 65408 56378
81265 55716 02184 51315 34596 32293 18183 14359 52455 71796
= 143 60 00000

M51 / FAV22
8éme Régiment de Transmission

Daniel (Danix111) sent us the following note about M51. He also received a QSL. Very nice Daniel. Congratulations !!

Today I received a QSL card from the notorious CW station M51. It is actually an FAV22 card confirming a non-FAV22 TX! (the time and freq on the front do not match the schedule on the back, nor is any explanation given for that happening). I sent my report on March 31st to this address: BP 10019 / 28170 Favières.

STATION	DATE	UTC	QRG	MODE	R.S.T
DANIEL	30/03/15	18h04	7528 kHz	FSK 1 (A1)	

EMISSION FAV22 simultanée sur 3,881et 6,825 Mhz.
Du lundi au vendredi inclus : 10h30 à 11H00 et 13h30 à 14H00.
Le Samedi et dimanche: 09h00 à 09h30 et 10h20 à 10h50.

By the way, as there are no up-to-date M51 profiles, here is the breakdown of M51, as I've figured since January:

- ➲ *Pops up at random during daytime - never at night time. It does not operate continuously and has no predictable schedule.*

- ➲ *Has five different TX lengths to choose from: 2.5, 5, 10, 15 or 20 hours. Those are not minute-precise, of course. 20 (_twenty_) and 10 (_ten_) hours are the most common.*
- ➲ *Sends exactly 10 messages an hour.*
- ➲ *Every 10th message is sent exactly every hour, +/- a few seconds.*
- ➲ *Only 90% of messages are 100 groups long.*
- ➲ *Remaining 10% of messages are ~60 groups long, tends to vary +/- a few groups per TX. The truncated messages always occupy the closest time slot before H+00.*
- ➲ *Often and deliberately uses incorrect dates. Date in the past does not mean it's a repeat transmission - on April 12th, 2015 there was a TX dated April 8th, which gave completely different messages than the correctly dated April 8th TX. Dates in the future are also in use.*
- ➲ *The header counter can only represent 99 messages. 15- and 20-hour TX's go past 99 messages, but after the counter rolls over, the new messages are not repeats of the previous ones.*
- ➲ *It can be paused and resumed. Used whenever they're sending on 3881//6825 kHz, the FAV22 frequencies, around the times FAV22 transmits at. After FAV22 lessons, the next header given is one number up from the last one sent before FAV22.*
- ➲ *It actually can transmit while FAV22 is up. On April 16th, 2015 there was a single-freq 2.5-hour TX on 8016 kHz at 0930 - 1200 UTC. The last 30 minutes were sent in parallel with FAV22 on 3881//6825 kHz.*

This is not behaviour I'd expect from an apparently strictly training TX. The format, TX length, internal scheduling, constant new crypto traffic (whereas FAV22 uses an officially published predefined set of messages) and usage of frequencies over 10 MHz (up to 20 MHz) all make it obvious that this is MIL Intel and not local CW lessons. On February 20th, 2015 I heard M51 on 16257.5 kHz at 1300z. I often hear M51 on 9213 kHz all night long.

3881 22-04-2015 1448 French Mil. Intel via CNMO TSR Favières-Vernon: NR 82 A 22 16:48:54 2015 = DAGZL NTBLD //6825 kHz
6825 22-04-2015 1448 French Mil. Intel via CNMO TSR Favières-Vernon: NR 82 A 22 16:48:54 2015 = DAGZL NTBLD //3881 kHz

This one started on 3881//6825 kHz on the 22nd at roughly 1430 UTC. Don't be deceived by the counter, which here suggests that it has been running for over 8 hours. It stayed there until 1505 UTC when it suddenly QSY'd to 9224//9257 kHz. Was it a mistake to put it on 3881//6825 kHz in the first place?

9224 22-04-2015 1529 French Mil. Intel via CNMO TSR Favières-Vernon: NR 89 A 22 17:30:09 2015 = NXWDY VALHG //9257 kHz
9257 22-04-2015 1529 French Mil. Intel via CNMO TSR Favières-Vernon: NR 89 A 22 17:30:09 2015 = NXWDY VALHG //9224 kHz

An odd feature was that at H+59, when a header was supposed to be given, they actually made awkward mid-group cuts between messages, chopping off the header. This remained in place for 2 or 3 hours, when they seamlessly fixed it _on the fly_. Not the first time this happened. Makes me wonder what sort of machine is used for M51. That broadcast stayed on the air for 15-16 hours.

3881 23-04-2015 2133 French Mil. Intel via CNMO TSR Favières-Vernon: NR 18 A 23 23:33:48 2015 = MQMHS MACXI //6825 kHz
6825 23-04-2015 2133 French Mil. Intel via CNMO TSR Favières-Vernon: NR 18 A 23 23:33:48 2015 = MQMHS MACXI //3881 kHz

This one began on the 23rd at about 2126 UTC, making it the first M51 broadcast that I've heard that commenced in local nighttime. So far all the ones I've heard began in local daytime. Again it used 3881//6825 kHz, but this time clearly on purpose. This definitely wasn't a "CW training night shift" :).

This went on until 0830 UTC the next day (beginning of regular FAV22 traffic), making it ~11 hours (expected 10 hours).

Daniel

Stations and strings:

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 BIQQ9 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 CQ CQ CQ DE DP0491 DP4091
V DKG6 DKG6 DKG6 DE 3A7D 3A7D
V DKSL DKSL DKSL DE ALSK ALSK
V DKIL DKIL DKIL DE ALSK ALSK (faulty transmission)
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 RA5) 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 YUOQ 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
V DKSL DKSL DKSL DE ALSK ALSK
V 3A3J 3A3J 3A3J DE B4ZJ B4ZJ
V HER6 HER6 HER6 DE WU6L WU6L
V BR3S BR3S BR3S DE JU9D JU9D
V DGG6 DGG6 DGG6 DE 3A7D 3A7D (faulty ?)
V TY9D TY9D TY9D DE EPX2 EPX2

Photo by Quan

Messages:

5555 kHz, 01-04, 1117 UTC

DATE 0331 / 777N/1.83 ..KN 198./1KCB
NO NO 7G/1983/JKCB
R R
CQ CQ CQ HR QSY K K .209 K K
R R
DO NO CQ CQ HR MB.. K4329 K K
NO NO QSY K K 4W29 K K
RR CQ CQ . T 1..
CQ CQ Q. FT10U
R R UNOTE .. G WSE U NO TEKW AR NIL NIL
JWW. WW.. T WJ.
FN OBS? 7G QTA 7G QTA
G.TA
7G QTA 91123
G.TA
7G QTA
A.RN.W TN.M AU XTCCK
05 05 05 (Cont'd)
R R
CQ CQ CQ DE .FY4 R K
05 05 05 (Cont'd)
CQ CQ CQ DUCC ? CQ BUKY4 R K
R R QCQ BUC..K
R A CQ/04
F R S

8084 kHz, 02-04, 1140 UTC

NR 52 CK 99 74 0402 1941 RMKS 0635 TO 5...K (Cont'd) = =
3.U. D7UA U.TN 6 34NDE UN5U UT7D 6U7T 3D53 TA6N TTU. (Cont'd)
AR K
R 45W = DA5U AR K
R 99W = UTA4 AR K
R 90W = 7T76 AR K
R RPT 90W = AGN R RPT 80W = ANN7 AR K
R R R R

5566 kHz, 07-04, 1019 UTC

III = DA75 5A6A 5T63 7533 3456 74DD (Cont'd)
III = III = = 7TUU 3T34 4..5 N4.. 64D3 N455 54.. A5A7 (Cont'd)
III = = 6TU7 3NT4 U446 .6N5 6NTN DT56 3N63 34.. 3N53 (Cont'd)

5566 kHz, 07-04, 1129 UTC

5D6N 3DA3 DA56 4636 (Cont'd)
AR K
QSL 1EEEE QSL 1EEEEEE QSL 1930 K K
R NR 184 K
R QSL 1930 K
OK 22.3 3 333 K K

5644 kHz, 07-04, 1117 UTC

QSWL162000KW 0825 AR QSL ?
HR TK NR EEEEE HR WK NR 31 K

8032 kHz, 07-04, 1218 UTC

7DU3 656A D3TA NUD7 TA76 TT43 6UA3 (Cont'd)
K K K K
WW? K W? K
R R 42W GA = = = D6TN AU7T 6A TUAE E
EEE HR AGN HR RPT GA = = = =
D6TN AU7T 6ATU TUA A45U AUN4 4NN6 (Cont'd)
III = D35T 6T4A N457 54N6 U3.. 3DA4 N543 ND4U TA76 TT44
(Cont'd)
AR K

8073 kHz, 07-04, 1140 UTC

VVV BNGC (x3) DE XSV85 (x2) (Cont'd)
HR 7G GA PSE CY
00N CK 273 35 0407 1635 = (Missed NR due to QRM)
007 3U6 3AN 4U7 TAU
773 TA7
773 357 373 4T. NN3 44D 4DN 3D5 4DT ...
773 357 373 4T3 NN3 447 4DD 3D5 4DT 4D6 .
773 TA.
773 353 37U 4T4 ? 4TU NN3 447 3D4 34U N3D 4T3 NN3 446 3D3 4DT 4D6 TU3
773 353 R ? 37U 4T7 NN3 434 3DT TTA N34 TTA ND4 TT5 345 N3D R ? 4T3 NN3 446 467 3D3 4DT 4D6 TUA
773 356 ... NN3 434 3DT TTA N44 T.. TT5 33N N3D 4T3 NN3 446 3D3 4DT 4D6 TU.
TUU
773 TU6
773 353 37U 4TT NN3 434 3DT TTA N34 III = (Cont'd)
III =
357 373 4T3 NN3 435 466 ... 4DT 4D6 TU4
773 TU5
773 357 373 46T NN3 447 3D5 335 N3D 4T4 NN3 446 467 3D4 4DT 4D6 476 3UN TAU
773 NE? TUT
773 353 35N 4T4 NN3 435 466 3DT TXT .. K7
773 TUT
773 TAN
773 353 37U 35N 4T3 NN3 446 3D3 4D3 TUT
773 TU5
773 357 373 4T4 NN3 446 3D3 4DT 4D6 476 AR
AS R 7G GA
NR 0301 CK 32 35 0407 1658 =
TT4 N5U TT7 N53 TAD N54 7TT TU7 46 7T5 77T
DN3 7T7 TU. 773 TA7 773 TAD ... K 7..3 X 773 X4 773 X5 773 7AN 7AD N47 3AN 7U5
AR AR

4130 kHz, 09-04, 1339 UTC

RR RPT K K
IEC = = 1435 AR K K (Normally associated with exercise traffic)
R R U MSG GA K
SB
EEE 05 555 05 05 05 55 = = (Long zero sent)
A67D NTE =
A67D TNTEEEEE? NTU4 3564 U7DN TA35 5ANE ? 5ANU 367D T45A 63UD 7NT4 III
R R R OT NR K K
VVV R R K K
VVV VVV VVV
R GA K K
R RPT K 7G GA K K (Both stations now on this frequency)
R R U MSG GA K K
R R MSG NR 25/CCK CK 199 46 0409 2135 RMKS 8024 TO 0384 K K
R R RPT NR K K
R R NR 25/CCK
OK K
NR 25/CCK K K
R R U MSG GA K K
R R DE = =
DA63 A54T D45U AU36 7U76 73TA N3DT 3A67 TT75 TTUD
DU3D (Cont'd)

4843 kHz, 09-04, 1928 UTC

R ME MSG NR 51 CK 12 AR 74 0410 0200 RMKS ... 6 TO 5686 K
R =
NN5 7N.4 4UN7 6T7U 47UA ANTA NA55 T766 T4D4 TT54 (Cont'd)

6845 kHz, 09-04, 0957 UTC

DP4091 DP4091 DP4091 DE N
DP4091 DP4091 DP4091 DE N N N N N N E E A
DUT445 01 DUT445 0 E (1000z)
E E A DP91 CQ V
DP91 (x3) DE CQ (x2) V (Cont'd)
SK GB (x2)
GN SK GB
NIL SK GB (x4)

8073 kHz, 09-04, 1138 UTC

VV BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0308 CK 285 35 0409 1644 = = TTN 3U6 3AN 3U7 TAU
773 TA7
773 354 373 4T4 NN3 447 3D5 4DT 4D6 TAD
773 354 373 35N 4T4 NN3 446 467 3T4 4DT 4TI3TAN
773 TU3
773 354 37U.. 3 4A7 NN3 435 466 3D3 4DT 4TI T
773 357 363 37U 4T4 NN3 435 4T5 6I7DTTTU 4DT 4DD TUA
773 TUU
773 TU6
773 TU7
773 353 . 4T ? 4A7 NN3 435 46T 63TDT TTUST? 4DT 4D6 TU4
773 TU5
773 357 4A7 NN3 436 467 3D4 4DT 465..
773 356 463 NN3 435 466 3DT TTU 4TD 4N6TU T3T
773 T3U
773 = = 35T 54T3NN3 435 3TU 4T. 4D6 T3A
773 T33
773 356 4T4 NN3 445 3DT TTA N34 .N TI4 TT5 4D4 TIU
773 TA
773 354 37U 4T4 NN3 447 3.5 4DT 4D6 TAD
773 354 3T5 535 N4T 4NN3 436 467 ? 3D4 4DT 4D3 TAN
773 TU3
773 357 363 37U 4T4 NN3 3D6 4DT 4TI INUT
773 357 363 37U 4T3 NN3 446 3D3 34T N3D 4T4 NN3 SE ? 435 3. TTU 4DT ...
773 356 464 NN3 435 466 3 DTTTU4 DT4 D6 TUU
773 TU6
773 353 464 NN3 446 3D3 4DT III = 4D6 TU4
773 TU5
773 353 4A7 NN3 436 467 3D4 4DT 4D6 734 N47 3U7 3UN TAU
773 TA7
773 TAD
773 357 35N 4T4 NN3 446 3D3 4DT 4D3 TAN
773 357 363 37U 4T4 NN3 446 3D3 4DT 4DD TUT
773 357 35N 463 NN3 446 3D3 4DT 4D3 TUA
773 TUU
773 TU6
773 356 4T4 NN3 435 466 3DT TU4 DT4 D6TU3
773 TU4
773 TU5
773 354 373 4A7 NN3 446 467 3D4 4DT 4D6 734 N47 3UD AR AR
AHR MSG GA
NR 0309 CK 3035 0409 1651 =
TT4 N5.TTN A? N53 TAD N54 7TT TT7 746 7T5 77T DN3
7T7 TAD ? TAU 773 TA7 773 TAD 773 TU4 773 TU5 773 N35 446 77T 7AD N47
3AN 7U5 AR AR
MSG AGN
NR NR 0308 CK 285 35 0409 1644 = =
TTN 3U6 3AN 3U7 TAU
773 (Repeats messages)

6853 kHz, 11-04, 1226 UTC

VVV (Cont'd)
HR RWT EEEEE HR RW EEEEEE HR PT 16 EEEEE
HR RPT 17P HR RPT 17P HR RPT 17P = =
3A4 ? 3A64 D65D 47A3 ND67 NNN5 UU67 5577 4354 TN3D 6N3D (Cont'd)

14350 kHz, 09-04,0938 UTC

73T6 4U53 N7DA 5ATD (Cont'd)
AR QSL ? K HR WK NR 3 AR K
HR WK NR 01 EEEE HR WK NR 31 K
R AS WEEEE R AS K
R R RPT 4W K
R 3091 3091 K
R RPT 11W K
R 6401 6401 K (Sending long zero)
R RPT 27W K
R 5202 5202 K (Not using cut numbers now)
R RPT 39W K
R 8619 819 K
R RPT 432 K
R 7840 7840 K
R RPT 47W K
R 4285 4285 K
R RPT 49W K
R 9672 9672 K
R RPT K R RPT K
R RPT 49W K
R 9672 9672 K (Cont'd repeat groups)
AS
CY HW K
R RPT 80W K
R 3816 3816 K (Cont'd repeat groups)
R QSL 1750 K
R U MSG GA K
R HR MSG GA MSG
NR 035/CCK CK 91 88 04 09 1730 RMKS 4252 TO 4209 =

5291 kHz, 10-04, 1212 UTC

D7N7 D465 37N4 T743 7DU7 UUNT UN4D (Cont'd)
III = D345 346N 565A 7UD6 3A54 733U TNDU U77A TAD4 TTUU (Cont'd) AR
R R 18W BT A34U AR K (Cont'd repeat groups)
... 0411 0107 RMKS 1679 TO 4724 K
R R R = =
BA67 TA37 6UTU 4DNA 6A73 N45U A7T..

5291 kHz, 11-04, 1738 UTC

11W = DTTA K. 11W = DTTA AR K
AGN (Cont'd to repeat groups)
AR
R 3 AGN 37W TO 40W = 5AUA 4334 N.3N DT63 AR
R R AGN
81W TO 100W = = BU4U U.ET (Cont'd) AR
FM = AT7T AR R FM = = AT7A AR
AGN
QSL K

6666 kHz, 13-04, 1050 UTC

4DNT AU34 567D NTA3 U56D 74UT 764N (Cont'd)
III = 6D3T N47U 5A6D T34N 7UA5 7UND T43A 56T7 DUNA (Cont'd)
III AR

8073 kHz, 13-04, 1137 UTC

V BNGC (x3) DE XSV85 (x2)
HR GA
NR 0324 CK 43 35 0413 1613 =
TT4 N5U TA3 N53 TAD N54 7TT TA5 746 767 7TD N37T7.. (Cont'd)
AR AS 7G GA
NR 0325 CK 177 35 0413 1614 =
TA3 3U6 3AN 3U7 TAU
773 TA7
773 355 35N 46T NN3 446 467 (Cont'd)

5801//10180 kHz, 15-04, 0948 UTC

HR MSG E VVHR MSG NR EEEEEE VVV
HR MSG GA NR 028 CCK EEEEEEE
NR 028/CCK CK 91 19 0415 1745 RMKS BLS = =
U5D3 3UDD A63U ND33 U3AA 56DN 3UAU ND53 3UAT NT55 (Cont'd)
AR FM 57ATU7UII EEEEEEE
HR MS EEEEEE HR QSL HR WK NR 32
VVV HR MSG GA
029 /CCK 91 19 0415 1745 EEEEEE

4080 kHz, 16-04, 1820 UTC

FM 3938 K = =
A437 AD5N 5NTD N75T 47DT T36A 75NT 576 TTTA (Cont'd)
III = 4763 7U6T UDUA 454A UN6T A6D7 (Cont'd)
AR
R 140 GA K
GA
140 140 140 M GA K
QSL 02 QSL 0231
ZSK Z.E

4111 kHz, 16-04. 1842 UTC

DT43 ATD6 ADN3 UN4T AT7A AD74 (Cont'd)
III = NA37 N6DA 755T (Cont'd)
AR K
R RPT ... (Repeats groups)
= NAIEEEE
= UAN6 T53U 7TDU 4U3A 3U7D ND4T (Cont'd)
AR
OK OK K K

4122 kHz, 16-04, 1835 UTC

3A6U D6A5 75U6 5D7U A736 U47U 4ND7 (Cont'd - Machine sent - very fast)
III = U6UT 764T 6U.A AUT3 ANU5 A674 6TU4 5N74 TTTA TT345 (Cont'd)
AR K K K K
R GA K
120 M GA K
120 M GA K
GA

5566 kHz, 17-04, 1449 UTC

465A UAN5 45TT 336U 4346 D76U T4D3 (Cont'd. Running groups together a lot)
III = = U3U6 3ANA 4A4D 4D4T TU56 A664 UA43 DNUU TT77 (Cont'd)
III = = 4D37 4D35 5U36 37DU NATA UDA5 7U3N 43D5 (Cont'd)
III = UA3N 6DU7 6N57 3UDT TN4D N737 A5T6 33A4 6A75 (Cont'd)
III = 4445 5UT5 3DN7 43N6 4A44 A7U5 (Cont'd)
III = = 7543 NTA3 N5DN 536D 7AN7 ADU6 6N35 (Cont'd)
III = = AN7A NNNN 4UAA 66AN 7N4N 34U 3TNA A6U3 (Cont'd)

8073 kHz, 18-04, 1138 UTC

V BNGC (x3) DE XSV85 (x2) (Cont'd)
HR MSG GA PSE CY
NR 0337 CK 193 35 0418 1610 = =
TAD 3U6 3.3 U7..
773 TA7
773 3573 73 35N 4T7 NN3 445 3DU 33N N3D 4AT NN3 446 3D3 4DT 4D3 TAN
773 356 (Cont'd)
AR
7G AGN
NR 0337 CK 193 35 0418 1610 = =
TAD 3U6 3.3 U7TAA
773 TA7 (Cont'd)

8888 kHz, 19-04, 1110 UTC

TTT4 K 474N 3ADN 6D7U 7AAN DU6N 5AT5 6TDU N57N 343D 6346 73UA
T574 3T4N DU4N UT3U (Cont'd) K
5B6 RSEEEEE R HR IEC = 4928 AR K
HR IEC = 4965 AR K
= 4463 R IEC = 4928 AR K

10180 kHz, 22-04, 0952 UTC

HR SVC GA NR .30EEEE
SVC GA NR 130 1745 FM 1359 TO 10.. = .329 COMM/1840/RZ985
A9/1347/1061 AR
QSL ? HR WK NR 100

5780 kHz, 24-04, 1602 UTC

3576 7DD7 5755 5D63 T6NA
III III = = = = 3D3D AT34 75A7 A4U4 (Cont'd)
III III = = = 7AN. 4NA4 NND5 3A4. (Cont'd)
III III = = = 36DT U444 U... D.N7 7TUU N343 (Cont'd)

8888 kHz, 24-04, 1230 UTC

LTYAOIRZPHNXMA PT4XEQUIKFM K
45
SVHSSIEIIEI .
0 05 05 05 05 (Cont'd - very slow)
5555 05 05 05 05 AN AR //FF
W EE AR AR K K K NR HR 7G GA
NR 3827 CK 95 24 4.

10859 kHz, 24-04, 0939 UTC

R RPT 63W TO 64W K
R RPT 72W K
R RPT 76W K (Cont'd asking for repeats)
R QSL 1730 K
R HR WK NR 0037 K
R HR NIL SK

5801//10180 kHz, 25-04, 0934 UTC

VV HR SVC GA NR 249 1745 RMKS 1349 TO 1017/1329 =
COMM/1830/LZ589A9/347/10EEEEEE =
COMM/1830/LZ589A9/1347/1017 AR
QSL ? HR WK NR 106

5500 kHz, 30-04, 1830 UTC

HR CQ A HR CQ GA HR CQ GA
7G NR 011/CCK CK 263 0501 0225 RMKS 8738 TO
3667/1110/1293/1621/1571/1906/8429/8731
7G CK AGN 7 NR 011/C 7G 011/CCK CK 26 37 0501 0225 RMKS 8738 TO
3667/1110/1.
7G NR AA QSS 7G/0 AQ
7G NR 011/CCK CK 26 37 0501 0225 RMKS 8738 TO
3667/1110/1293/1621/1571 /1906/8429/8731 (1833z)
BT BT A6NA 6T5D A6D5 47U4 A5DA A73U 5U4D A35T TAD5 TT4A 56D3 37D6
(Cont'd)
AR

5632 kHz, 30-04, 1853 UTC

3U6D 75T4 U53N 3654 7N5A T3UD 34UA (Cont'd)
III AU53 6NAD TU3N 5436 7AU5 U54A NA6T (Cont'd)
III

UM01
Unid CQ station

3580 kHz, location: Siberia

01-04, 1106 UTC: CQ P 0	09-04, 1539 UTC: CQ P 3	16-04, 1852 UTC: CQ P 2
01-04, 1722 UTC: CQ M 1	09-04, 1917 UTC: CQ P 2	17-04, 0955 UTC: CQ P 6
02-04, 0947 UTC: CQ P 1	09-04, 2136 UTC: CQ P 1	17-04, 1111 UTC: CQ P 6
02-04, 1137 UTC: CQ P 1	10-04, 0146 UTC: CQ P 2	17-04, 1759 UTC: CQ P 3
02-04, 1608 UTC: CQ M 0	10-04, 1211 UTC: CQ P 6	17-04, 1852 UTC: CQ P 2
02-04, 2231 UTC: CQ M 1	10-04, 1640 UTC: CQ P 5	17-04, 2311 UTC: CQ P 0
03-04, 1436 UTC: CQ P 1	10-04, 2317 UTC: CQ P 4	21-04, 0208 UTC: CQ P 12
05-04, 1338 UTC: CQ P 4	11-04, 0146 UTC: CQ P 2	21-04, 0951 UTC: CQ P 17
05-04, 2048 UTC: CQ P 1	11-04, 1211 UTC: CQ P 6	21-04, 1016 UTC: CQ P 17
06-04, 0828 UTC: CQ P 4	11-04, 1640 UTC: CQ P 5	21-04, 1723 UTC: CQ P 15
06-04, 0846 UTC: CQ P 5	11-04, 2317 UTC: CQ P 4	(Transiting between 15 and 14)
06-04, 1003 UTC: CQ P 5	12-04, 1212 UTC: CQ P 9	21-04, 1724 UTC: CQ P 14
06-04, 1651 UTC: CQ P 4	12-04, 1601 UTC: CQ P 8	22-04, 0022 UTC: CQ P 12
06-04, 2054 UTC: CQ P 3	12-04, 1831 UTC: CQ P 7	22-04, 0949 UTC: CQ P 18
07-04, 0038 UTC: CQ P 2	13-04, 0159 UTC: CQ P 3	22-04, 2228 UTC: CQ P 14
07-04, 0055 UTC: CQ P 3	13-04, 1104 UTC: CQ P 6	23-04, 2151 UTC: CQ P 15
07-04, 0938 UTC: CQ P 8	13-04, 1113 UTC: CQ P 5	24-02, 0925 UTC: CQ P 13
07-04, 1203 UTC: CQ P 8	14-04, 0150 UTC: CQ P 2	24-04, 1351 UTC: CQ P 12
07-04, 1230 UTC: CQ P 8	14-04, 0958 UTC: CQ P 4	24-04, 1554 UTC: CQ P 11
07-04, 1752 UTC: CQ P 4	14-04, 1811 UTC: CQ P 2	28-04, 0953 UTC: CQ P 10
08-04, 1832 UTC: CQ P 3	14-04, 2132 UTC: CQ P 2	28-04, 1734 UTC: CQ P 6
08-04, 2016 UTC: CQ P 2	15-04, 0937 UTC: CQ P 6	28-04, 2333 UTC: CQ P 3
08-04, 2249 UTC: CQ P 1	15-04, 1016 UTC: CQ P 6	29-04, 1840 UTC: CQ P 3
09-04, 0935 UTC: CQ P 3	16-04, 0955 UTC: CQ P 6	29-04, 2222 UTC: CQ P 2
09-04, 1030 UTC: CQ P 3	16-04, 1111 UTC: CQ P 6	
09-04, 1328 UTC: CQ P 3	16-04, 1759 UTC: CQ P 3	

UM10
Unid 10-minutes net

3265 kHz, 06-04, 1653 UTC: JZWG (new callsign)	3504 kHz, 11-04, 1649 UTC: WF3A //4224 kHz
3265 kHz, 06-04, 1718 UTC: JZWG	4224 kHz, 11-04, 1649 UTC: WF3A //3504 kHz
3504 kHz, 06-04, 1714 UTC: WF3A	6875 kHz, 11-04, 2318 UTC: 3S4A
3265 kHz, 07-04, 1754 UTC: JZWG	4224 kHz, 14-04, 1813 UTC: WF3A //3504 kHz
6875 kHz, 08-04, 2251 UTC: 3S4A (new callsign)	3504 kHz, 14-04, 1813 UTC: WF3A //4224 kHz
3959 kHz, 09-04, 1922 UTC: JZWG //3265 kHz	3959 kHz, 16-04, 1818 UTC: JZWG //3265 kHz
3265 kHz, 09-04, 1922 UTC: JZWG //3959 kHz	3265 kHz, 16-04, 1818 UTC: JZWG //3959 kHz
3504 kHz, 10-04, 1649 UTC: WF3A //4224 kHz	6875 kHz, 17-04, 2321 UTC: 3S4A
4225 kHz, 10-04, 1649 UTC: WF3A //3504 kHz	4224 kHz, 29-04, 1845 UTC: WF3A //3504 kHz
6875 kHz, 10-04, 2318 UTC: 3S4A	3504 kHz, 29-04, 1845 UTC: WF3A //4224 kHz

VARIOUS MODES

M42 & X06   Russian Government & Intelligence
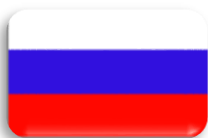
Modes:
Various digital modes, CW,
Tones (Мазелка / Mazielka)

M42 – various modes

14390 kHz, 5-4, 0815 UTC   Russian diplo CROWD-36
9288 kHz, 24-4, 0626 UTC   Russian diplo. Traffic started and continued on and off same frequency till 0653 UTC, CROWD-36
14352 kHz, 30-4, 2311 UTC   Russian diplo/intel, Cuba. ?1 83111 00001 27000 00300 04013?, Baudot 200/500

M42b – FSK 50/500 =50= separator

9121 kHz, 18-04, 2245 UTC   K4MT/NT9P net. Sync FSK 50/500 (waking up sequence - ITA-2 decodes "rt~bzl26~~~~ ")
9121 kHz, 18-04, 2251 UTC   K4MT/NT9P net. CW + Baudot 50/500 with 5FG, =50=, =100= & =150= separators
13549 kHz, 18-04, 0824 UTC K4MT/NT9P net. Baudot 50/500 with 5FG, =50= & =100= separators, sending 100 gr message

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M42c – FSK 200/500

6989 kHz, 16-04, 1910 UTC   RYRYRY 00000++++++++++162)5761
18204/16157/14549 kHz, 25-04, 1200/1210/1220 UTC   RYRYRY 00000++++++++++162)5761

M42d – FSK 200/1000

11052/9187/6950 kHz, 03-04, 0700/0710/0720 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 3rd of month : Msg Number 237 : Msg Type 07145 : Group Count (?) 4
55604 00000 00000 03095 55182 34147 00893 11064

10388/8084 kHz, 07-04, 1200/1210 UTC
Msg 248 7th Type 41720 GR104 on Link 64960: 63324 16938 05894 54268 31550 36874 58887 17866

11052/8187 kHz, 08-04, 0700/0710 UTC
Block No 0 : Total Message Size 39 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 7th of month : Msg Number 162 : Msg Type 07145 : Group Count (?) 255
23636 11541 09748 23145 65099 35325 62065 07530

17494/15827/13406 kHz, 08-04, 0800/0810/0820 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 45075 : 8th of month : Msg Number 057 : Msg Type 06601 : Group Count (?) 4
59400 00000 00000 00645 26649 34438 00893 06887

10386/8082/6778 kHz, 08-04, 1200/1210/1220 UTC
Block No 0 : Total Message Size 39 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 7th of month : Msg Number 162 : Msg Type 07145 : Group Count (?) 255
23636 11541 09748 23145 65099 35325 62065 07530

11052/8187/6950 kHz, 10-04, 0700/0710/0720 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 10th of month : Msg Number 217 : Msg Type 07145 : Group Count (?) 4
19524 00000 00000 00360 55182 36487 00893 02639

12154 kHz, 12-04, 0820 UTC
Block No 0 : Total Message Size 10 blocks : This transmission contains one message.
Block No 1 : Link ID 45114 : 9th of month : Msg Number 015 : Msg Type 07145 : Group Count (?) 52
06260 33744 02651 28523 57479 00059 14950 49867

13393/11034 kHz, 14-04, 1700/1710 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 20501 : 14th of month : Msg Number 140 : Msg Type 07145 : Group Count (?) 4
26280 00000 00000 01953 26517 02014 00893 21699

11052/8187/6950 kHz, 15-04, 0700/0710/0720 UTC
Block No 0 : Total Message Size 36 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 14th of month : Msg Number 182 : Msg Type 07145 : Group Count (?) 235
51316 06000 10284 40717 58024 32913 59202 58250

15949/13504/11482 kHz, 16-04, 1330/1340/1350 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 49237 : 16th of month : Msg Number 007 : Msg Type 07145 : Group Count (?) 4
50664 00000 00000 01114 39258 36436 00893 57689

11052/8187/6950 kHz, 17-04, 0700/0710/0720 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 45137 : 17th of month : Msg Number 192 : Msg Type 07145 : Group Count (?) 4
13716 00000 00000 03377 09959 33628 00893 11538

11052/8187 kHz, 20-04, 0700/0710 UTC
Block No 0 : Total Message Size 37 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 17th of month : Msg Number 192 : Msg Type 07145 : Group Count (?) 243
08940 55444 02377 40475 65099 36182 23922 48937

10386/8082 kHz, 20-04, 1200/1210 UTC
Block No 0 : Total Message Size 37 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 17th of month : Msg Number 192 : Msg Type 07145 : Group Count (?) 243
08940 55444 02377 40475 65355 36182 23922 48937

11052/8187 kHz, 21-04, 0700/0710 UTC
Block No 0 : Total Message Size 63 blocks : This transmission contains 2 messages.
Block No 1 : Link ID 45137 : 20th of month : Msg Number 195 : Msg Type 07145 : Group Count (?) 101
34848 19061 53016 12659 01146 06513 13087 29294

18467/16309 kHz, 21-04, 1410/1420 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 32799 : 21st of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
45612 00000 00000 03695 26836 34965 00893 38608

15656/13393/11034 kHz, 21-04, 1650/1700/1710 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 20501 : 21st of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
49788 00000 00000 01609 21447 34450 00893 36931

11052/8187 kHz, 22-04, 0700/0710 UTC
Block No 0 : Total Message Size 39 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 21st of month : Msg Number 202 : Msg Type 07145 : Group Count (?) 5
26932 02946 36183 27443 55182 40692 23457 41901

19545/17465/15922 kHz, 22-04, 0800/0820/0840 UTC
Block No 0 : Total Message Size 12 blocks : This transmission contains one message.
Block No 1 : Link ID 16404 : 7th of month : Msg Number 215 : Msg Type 07145 : Group Count (?) 68

47348 51941 55884 35947 55396 00838 03903 35648

13406 kHz, 22-04, 0820 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 45075 : 22nd of month : Msg Number 055 : Msg Type 07145 : Group Count (?) 4
17252 00000 00000 02795 29748 01423 00893 33323

18622/16157/14639 kHz, 22-04, 0915/0925/0935 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 20492 : 22nd of month : Msg Number 065 : Msg Type 07145 : Group Count (?) 4
36616 00000 00000 00839 48198 03396 00893 01922

10386/8082 kHz, 22-04, 1200.1210 UTC
Block No 0 : Total Message Size 39 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 21st of month : Msg Number 202 : Msg Type 07145 : Group Count (?) 5
26932 02946 36183 27443 55182 40692 21409 41901

11052/8187/6950 kHz, 23-04, 0700/0710/0720 UTC
Block No 0 : Total Message Size 56 blocks : This transmission contains 2 messages.
Block No 1 : Link ID 45137 : 22nd of month : Msg Number 205 : Msg Type 07145 : Group Count (?) 237
54896 11589 33112 33999 07439 00265 23812 22544

19454/17465/15922 kHz, 23-04, 0800/0810/0820UTC
Block No 0 : Total Message Size 12 blocks : This transmission contains one message.
Block No 1 : Link ID 16404 : 7th of month : Msg Number 215 : Msg Type 07145 : Group Count (?) 68
47348 51941 55884 35947 55396 00838 03903 35648

15949/13504/11481 kHz, 23-04, 1330/1340/1350 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 49237 : 23rd of month : Msg Number 007 : Msg Type 07145 : Group Count (?) 4
11164 00000 00000 03481 64414 36628 00893 02815

13544/11159 kHz, 24-04, 0610/0620 UTC
Block No 0 : Total Message Size 11 blocks : This transmission contains one message.
Block No 1 : Link ID 40988 : 21st of month : Msg Number 122 : Msg Type 07145 : Group Count (?) 59
28140 13072 45997 00985 16071 36112 08603 24563

11052 kHz, 24-04, 0700 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 24th of month : Msg Number 072 : Msg Type 07145 : Group Count (?) 4
09664 00000 00000 04069 65099 33233 00893 00046

15944/13541 kHz, 25-04, 0910/0920 UTC
Block No 0 : Total Message Size 19 blocks : This transmission contains one message.
Block No 1 : Link ID 45057 : 9th of month : Msg Number 175 : Msg Type 07145 : Group Count (?) 110
65188 59296 62829 37959 38644 01329 05130 18041

18914/16323/14844 kHz, 25-04, 1100/1110/1120 UTC
Block No 0 : Total Message Size 29 blocks : This transmission contains one message.
Block No 1 : Link ID 36882 : 24th of month : Msg Number 030 : Msg Type 07145 : Group Count (?) 186
21180 12162 59601 14036 48247 01249 41534 38352

16258/14368/12154 kHz, 26-04, 0800/0810/0820 UTC
Block No 0 : Total Message Size 12 blocks : This transmission contains one message.
Block No 1 : Link ID 45114 : 24th of month : Msg Number 017 : Msg Type 07145 : Group Count (?) 70
61756 36144 04566 26369 56490 32946 36019 35503

17479/15944 kHz, 26-04, 0900/0910 UTC
Block No 0 : Total Message Size 19 blocks : This transmission contains one message.
Block No 1 : Link ID 45057 : 9th of month : Msg Number 175 : Msg Type 07145 : Group Count (?) 110
65188 59296 62829 37959 38644 01329 05130 18041

18914/16232/14844 kHz, 26-04, 1100/1110/1120 UTC
Block No 0 : Total Message Size 29 blocks : This transmission contains one message.
Block No 1 : Link ID 36882 : 24th of month : Msg Number 030 : Msg Type 07145 : Group Count (?) 186
21180 12162 59601 14036 48247 01249 41534 38352

11052/8187/6950 kHz, 27-04, 0700/0710/0720 UTC
Block No 0 : Total Message Size 37 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 24th of month : Msg Number 210 : Msg Type 07145 : Group Count (?) 245
17896 22225 44021 26704 55182 03711 26531 45673

11052/8187/6950 kHz, 28-04, 0700/0710/0720 UTC
Block No 0 : Total Message Size 60 blocks : This transmission contains 2 messages.
Block No 1 : Link ID 45137 : 27th of month : Msg Number 212 : Msg Type 07145 : Group Count (?) 199
13237 45925 07148 22031 09959 33467 48670 63335

10386/8082/6778 kHz, 28-04, 1200/1210/1220 UTC
Block No 0 : Total Message Size 60 blocks : This transmission contains 0 messages.
Block No 1 : Link ID 45137 : 27th of month : Msg Number 212 : Msg Type 07145 : Group Count (?) 199
13237 45925 07148 22031 09959 33467 48670 63335

18467/16309 kHz, 28-04, 1410/1420 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 32799 : 28th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
07837 00000 00000 02193 14796 35184 00893 32995

15656/13393/11034 kHz, 28-04, 1650/1700/1720 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 20501 : 28th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
34157 00000 00000 00742 12857 34330 00893 55238

9236 kHz, 28-04, 2100 kHz
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 45057 : 28th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
50541 00000 00000 02080 38644 33476 00893 04765

11052/8187/6950 kHz, 29-04, 0700/0710/0720 UTC
Block No 0 : Total Message Size 38 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 28th of month : Msg Number 217 : Msg Type 07145 : Group Count (?) 251
65381 44473 55893 12021 55182 34772 39979 42355

17494/15827/13406 kHz, 29-04, 0800/0810/0820 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 45075 : 29th of month : Msg Number 142 : Msg Type 07145 : Group Count (?) 4
51125 00000 00000 01872 26649 35257 00893 63951

10386/8082 kHz, 29-04, 1200/1210 UTC
Block No 0 : Total Message Size 38 blocks : This transmission contains one message.
Block No 1 : Link ID 45136 : 28th of month : Msg Number 217 : Msg Type 07145 : Group Count (?) 251
65381 44473 55893 12021 55182 34772 39979 42355

9087 kHz, 29-04, 1220 UTC
Block No 0 : Total Message Size 48 blocks : This transmission contains one message.
Block No 1 : Link ID 03667 : 28th of month : Msg Number 107 : Msg Type 07104 : Group Count (?) 73
61285 24770 38336 33392 37602 37617 20593 43262

11052/8187/6950 kHz, 30-04, 0700/0710/0720 UTC
Block No 0 : Total Message Size 60 blocks : This transmission contains 2 messages.
Block No 1 : Link ID 45136 : 29th of month : Msg Number 220 : Msg Type 07145 : Group Count (?) 197
26933 10486 01390 13699 55182 00925 35302 32006

10386/8082/6778 kHz, 30-04, 0700/0710/720 UTC
Block No 0 : Total Message Size 60 blocks : This transmission contains 2 messages.
Block No 1 : Link ID 45136 : 29th of month : Msg Number 220 : Msg Type 07145 : Group Count (?) 197
26933 10486 01390 13699 55182 00925 35302 32006

15949/13504/11481 kHz, 30-04, 1330/1340/1350 UTC
Block No 0 : Total Message Size 4 blocks : This transmission contains one message.
Block No 1 : Link ID 49237 : 30th of month : Msg Number 240 : Msg Type 07145 : Group Count (?) 4
40149 00000 00000 03127 49619 01462 00893 28972

kHz	Date	UTC	
18177	8-4	0800	Mazielka. Sequence: 164253
9163	8-4	1735	Mazielka. Sequence: 145632
14440	23-4	0903	Mazielka. Sequence: 153624
14871	23-4	0909	Mazielka. Sequence: 153624
13510	24-4	0446	Mazielka. Sequence: 216435
9288	24-4	0620	Mazielka. Sequence: 356412
19611	24-4	0954	Mazielka. Sequence: 256134
20605	24-4	1011	Mazielka. Sequence: 256134
17463	24-4	1015	Mazielka. Sequence: 256134

kHz	Date	UTC	
15828	24-4	1512	Mazielka. Sequence: 256134
14947	26-4	0809	Mazielka. Sequence: 351264
16117	27-4	0947	Mazielka. Sequence: 463125
13420	28-4	0758	Mazielka. Sequence: 534216
16257	28-4	0822	Mazielka. Sequence: 534216
17523	28-4	0829	Mazielka. Sequence: 534216
14861	28-4	0835	Mazielka. Sequence: 534216
16103	30-4	0630	Mazielka. Sequence: 645321

XPA

10359/11559/13559 kHz, 08-04, 0600/0620/0640 UTC
355 355 355 000
08545 00001 00000 10140

10256 kHz, 14-04, 1020 UTC
No id and message indicator
07689 00093 02948 43841 59995 40862 01112 97923 97833 24900
68769 02379 37466 91718 64502 80653 01866 23412 74130 13164
16713 22641 96748 18894 56591 22200 48902 43724 96002 16648
24228 40891 90636 07624 81645 95560 55728 06627 34705 89632
49409 18779 85295 33456 30450 43596 98146 61726 19928 82842
55178 34995 73719 03739 16184 40262 15070 47452 12779 81838
54540 93223 32273 12004 29108 88496 32887 70570 05129 80047
61786 52461 19350 03305 16294 67919 88010 14021 45959 12518
46085 98849 72262 38159 63181 67792 32835 27150 26524 13226
21021 04179 21826 54810 56646 41667

11559 kHz, 15-04, 0620 UTC
355 355 355 000
07835 00001 00000 10140 13559

10359/11559/13559 kHz, 18-04, 0600/0620/0640 UTC
355 355 355 000
08658 00001 00000 10140

10943/10243/9243 kHz, 21-04, 1900/1920/1940 UTC
922 922 922 000
03728 00001 00000 10140

10359/11559/13559 kHz, 25-04, 0600/0620/0640 UTC *)
355 355 355 000
05821 00001 00000 10140

*) 10359 kHz: Noisy transmitter sound at 0558z, start sequence for a few secs at 0600z, then off. Restarted at 0602z

10539/11559/13559 kHz, 22-04, 0600/0620/0640 UTC

355 355 355 1

01323 00177 09763 64382 54013 08284 57153 77589 36001 59278
81935 94603 60573 21279 58251 94107 35864 20810 99064 65251
24067 47532 89696 27792 13191 54647 89832 13004 64097 89954
28692 76791 19984 20160 45221 83560 43204 39148 95419 25206
75855 76627 13404 55066 49600 69070 14758 22489 09200 87591
01472 75336 72150 10051 58666 77735 53339 37564 55811 43486
39160 50385 00244 24045 13303 38230 56813 81007 54431 25438
62754 75728 88986 13964 08172 16030 35391 55767 43830 83855
73129 42390 89360 46081 32784 57847 42091 92027 30341 76094
74211 47574 42028 83082 13124 19690 68392 05706 76144 72730
63243 92857 55096 69552 41405 07391 39756 00034 36433 27398
32270 07067 42636 32617 29648 73996 75828 69646 21868 16507
68140 43017 67445 40896 97291 97039 99993 08189 08948 39233
47306 87336 69462 04506 73304 68332 07249 56617 49111 78621
07061 94247 19623 94056 79325 31606 79300 49131 02579 16822
72226 34946 74469 20845 56331 00894 53142 40334 29312 26502
82834 93050 50481 36054 07523 73761 62687 28878 52662 04311
05665 72214 95434 55375 71973 67415 27502 81432 77835 53347

10943/10243/9243 kHz, 28-04, 1900/1920/1940 UTC

922 922 922 1

09709 00201 88836 49816 04472 56402 99295 17017 14210 31411
67373 01466 01650 95351 06440 11607 16903 04034 91764 60687
85326 88394 56497 84453 34965 18143 23434 23258 57815 19255
10451 97566 37892 53965 98434 34218 72263 00073 15805 83475
67662 05213 57913 84452 84607 42249 23132 00545 72258 94035
43542 22313 22911 96164 00395 95506 23255 95219 45103 81561
68003 95429 09896 37824 06431 05475 26521 75289 13140 95530
25660 00736 43167 97496 76107 92708 83570 38745 62844 03264
82764 55532 99695 93227 61257 23160 83142 50702 29498 90879
77484 09461 89739 55817 42492 86254 69576 01971 94367 50375
00700 89261 33341 84641 11833 67375 03881 69920 64100 23257
98957 13175 91115 96276 33711 34388 00243 04898 04024 89254
14031 95551 77074 63055 76398 82990 56393 69920 94201 80864
43040 52561 17845 30411 98927 79508 50410 60243 53818 80895
97731 75098 52858 76099 89346 38701 00132 01453 87493 87277
26385 12061 29565 27849 91478 71213 73292 36919 69722 53361
84710 91747 10929 20030 23948 38938 23465 71800 02559 82029
56712 53371 42884 57399 06927 82470 25477 52752 97894 24980
92348 97353 76266 91229 18074 69797 71261 00326 65827 99652
31899 64122 49482 70169 51196 49292 01305 45373 43481 35732
46970 82246 91142 37142

10359/11559/13559 kHz, 29-04, 0600/0620/0640 UTC

355 355 355 000
07288 00001 00000 10140

XPA2

14447 kHz, 03-04, 1540 UTC. Corrupt message.
01973 00185 04573 86922 19540 84372 92090 32380 96885 12976
17225 81373 60805 61747 89643 09818 95215 91273 67067 87691
76954 98167 83586 33977 43743 52322 72691 12470 51314 50877
41186 76925 94701 08236 79140 87564 76793 04692 26964 96317
65508 98602 82926 55761 25337 95497 78448 22263 22410 12834
17602 71991 85986 38027 00930 17192 03448 48588 66500 88440
56485 23719 40333 24248 62520 42447 84411 34067 66332 58673
83991 87888 17046 54413 53309 08996 93099 29232 25655 12567
65464 25804 30817 60298 13210 51656 65370 33488 36523 80006
33444 05347 95257 42599 08248 38655 06899 21583 73220 05346
05826 13109 05908 20552 93390 82280 75802 90974 01748 96193
94961 81614 15228 41998 84134 44098 48811 25570 42272 25000
89900 46645 09095 76951 80683 36962 13252 10360 07638 74364
03074 45513 13455 49307 95716 25835 79437 84055 13570 59647
02927 55692 94225 93669 13064 74633 87682 03551 30381 72903
28734 20029 28780 71244 97827 56113 37127 68565 74822 70367
60895 05715 75281 61102 33460 64451 34831 55826 12690 25364
06550 24332 53220 69592 51512 54468 53577 93222 08512 46569
41806 44561 49390 90401 05704

14538/13538/12138 kHz, 07-04, 1800/1820/1840 UTC
04044 00001 00000 10140

16114/14828 kHz, 10-04, 1920/1940 UTC
04839 00001 00000 10140

13538/12138 kHz, 21-04, 1820/1840 UTC
02676 00001 00000 10140

17462/16114/14828 kHz, 24-04, 1900/1920/1940 UTC
03854 00001 00000 10140

14538/13538/12138 kHz, 28-04, 1800/1820/1840 UTC
04014 00067 41160 28716 18728 50385 18522 13081 70361 99909
53832 19357 24792 89238 58531 76262 35641 56331 35694 30709
22096 85646 68651 56143 79327 70424 40505 93393 60478 83668
51737 74824 78085 38098 94214 82010 96473 27586 08275 13499
52260 28679 92849 62823 86205 24422 56846 62010 12441 17404
83535 70980 62313 97560 09699 84678 66423 63738 65793 93024
16697 68925 36632 59334 09273 09606 35954 35444 26345 02620

POL-FSK
Polish Intelligence
(E11 family)

All traffic is in FSK 100/625

10728 kHz, 23-04, 0630/0635 UTC
0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14753 kHz, 23-04, 0730/0735 UTC

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

15905 kHz, 23-04, 1000/1005 UTC

0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

15632 kHz, 23-04, 1140 UTC

0217 0217 0217 0217 0217
88888 88888
92075 19695 28465 33974 81872 30967 64258 76744 90653 93029
12654 60200 63928 98432 51579 26776 57970 93241 18829 53085
14924 04020 49178 48976 14088 08363 16688 60250 47164 50919
61660 30531 42226 35781 66977 28035 66739 68114
88888 88888 00042 00042

16005 kHz, 24-04, 0530/0535 UTC

0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

10246 kHz, 24-04, 0655/0700 UTC

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7371 kHz, 24-04, 0900/0905 UTC

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

9431 kHz, 24-04, 1005/1010 UTC

0675 0675 0675 0675 0675
88888 88888 33534 84834 30856 03432 78818 01369 84188 05007
69426 33927 15498 35480 42872 90458 78925 18628 45024 54763
31208 30575 98072 25716 02241 62603 42058 58659 55540 75911
15909 40783 33658 41973 01525 81035 49938 88888 88888
00039 00039

6906 kHz, 27-04, 0800/0805 UTC

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

9339 kHz, 27-04, 0805/0810 UTC

0353 0353 0353 0353 0353
88888 88888 06935 74266 91377 99795 05299 68144 49435 30457
15247 02366 23738 89371 83430 38834 01583 33686 97555 02892
80177 64901 49069 94776 09015 61192 04371 71016 23837 43688
47368 53429 88888 88888
00034 00034

15905 kHz, 27-04, 1000/1005 UTC

0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

5358 kHz, 27-04, 1005/1010 UTC

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

10728 kHz, 28-04, 0630/0635 UTC

0574 0574 0574 0574 0574 00000 0000000000 00000 00000 00000 00000 00000 00000 00000

10246 kHz, 28-04, 0655/0700 UTC

0684 0684 0684 0684 0684 00000 0000000000 00000 00000 00000 00000 00000 00000 00000

14753 kHz, 28-04, 0730/0735 UTC

0433 0433 0433 0433 0433 00000 0000000000 00000 00000 00000 00000 00000 00000 00000

7371 kHz, 28-04, 0900/0905 UTC

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

9431 kHz, 28-04, 1000/1010 UTC
0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7407 kHz, 28-04, 1030 UTC
0325 0325 0325 0325 0325
88888 88888 72193 97210 29697 31892 42982 25726 21536 49409
30197 01687 62124 20405 41114 28818 04093 03508 15811 68835
67517 70022 89382 80451 08294 60380 69631 81301 91275 79296
83813 00717 11832 67376 29676 44533 37256 88888 88888
00039 00039

16005 kHz, 29-04, 0530/0535 UTC
0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

9339 kHz, 29-04, 0845/0850 UTC
0353 0353 0353 0353 0353
88888 88888 06935 74266 91377 99795 05299 68144 49435 30457
15247 02366 23738 89371 83430 38834 01583 33686 97555 02892
80177 64901 49069 94776 09015 61192 04371 71016 23837 43688
47368 53429 88888 88888
00034 00034

7407 kHz, 29-04, 1030/1035 UTC
0325 0325 0325 0325 0325
88888 88888 72193 97210 29697 31892 42982 25726 21536 49409
30197 01687 62124 20405 41114 28818 04093 03508 15811 68835
67517 70022 89382 80451 08294 60380 69631 81301 91275 79296
83813 00717 11832 67376 29676 44533 37256 88888 88888
00039 00039

15632 kHz, 29-04, 1140/1145 UTC
0217 0217 0217 0217 0217 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

5358 kHz, 29-04, 1305/1310 UTC
0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

10125 kHz, 29-04, 1610/1615 UTC
0797 0797 0797 0797 0797 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

10728 kHz, 30-04, 0630/0635 UTC
0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14753 kHz, 30-04, 0730/0735 UTC
0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6906 kHz, 30-04, 0800/-0805 UTC
0434 0434 0434 0434 0324 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

15905 kHz, 30-04, 1000/1005 UTC
0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

15632 kHz, 30-04, 1140/1145 UTC
0217 0217 0217 0217 0217 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8803 kHz, 30-04, 1305/1310 UTC
0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

Czech diplo

18320 kHz, 7-4, 0917 UTC: OLZ88: MFA Prague wkg Embassy Delhi (OLZ66). Pactor-III USB

Beside the FAV22 QSL, Daniel also received a QSL from MFA Prague. Congrats Daniel !

MINISTRY OF FOREIGN AFFAIRS OF THE CZECH REPUBLIC
OAIS division

Loretánské nám. 101/5, 118 00 Prague 1

Tel: +420 224 181 111   E-mail: epodatelna@mzv.cz   FAX: +420 224 182 048

Apr. 08, 2015

Mr. Daniel Ekmann

Verification RPRT - SWL
danix111@priyom.org

Dear Mr. Ekmann,

It is with pleasure we confirm your SWL reception report between our State Department in Prague (OLZ 88) and Czech Embassy HF Radio Station in Delhi (OLZ 66) as follow:

Date: APR 07, 2015

Time: 08:30Z

Call sign: OLZ 88

Frequency: 18320.00 kHz

Location: PRAGUE - CZ

Power: 800 W

Modulation: PACTOR-III, F1B/FSK2

Antenna: LP-10, gain 12dB

NDB operates: At least once daily

Best regards & 73

HF Radio detachment
Milan, OK1KW

North Korean diplomatic stations

20823 kHz, 7-4, 1817 UTC: North Korean diplo. DPRK-ARQ 600/600 LSB

Egyptian diplomatic stations

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

18163.7 kHz, 27-4, 1120 UTC: MFA Cairo wkg embassy Islamabad. SITOR-A 100/170

Chinese diplomatic stations

Mode: 4+4 75/1000 LSB

18981 kHz, 17-04, 0401 UTC, 4+4 QPSK 75/1000 LSB
XYXYXYXYXY HR CY U QSA3 AHR EV MSG GA
0130   99   18   0417   1205
2735---3204
2198 0743 4819 2098 5697 7915 1358 7923 8246 3108
7028 1830 6105 0172 6238 6748 1769 9093 5469
3614 8593 1954 5238 6734 7056 9183 9182 5978 1709 etc.

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from loggings submitted by JPL, Wolfgang, Tom, Trond, Jay

M32
Russian / CIS Military CW Stations

8004 kHz, 01-04, 1041 UTC	UEV47 UEV47 QTC UEV47 UEV47 UEV47 QTC 781 26 01 1650 781 = 469 814 530 = AAAAA RINOT KASMP (Cont'd)
6375 kHz, 01-04, 1727 UTC	i.p. 829 22 1 2005 829 = FM 772825 FOR 468561 = PWRZI PANKH GHOLD HQNWG AORTS
4140 kHz, 07-04, 1800 UTC	i.p. QTC 009 36 07 23 40 009 = ZHG FM 091 315 FOR 656 061 073 814 389 = JHUYR MVXOP KFZAB (Cont'd)
4108 kHz, 08-04, 1837 UTC	XXX XXX VZFY VZFY GEKSOBIOZA 9954 G KSOBIOZA 9954 K
3495 kHz, 14-04, 2133 UTC	XXX XXX 5AQP RAQP 5AQP 0000
3495 kHz, 14-04, 2135 UTC	XXX XXX RAQP 5AQP 0000 K
3780 kHz, 14-04, 1505 UTC	2LXT DE FXTB K. ZYC ZNU ZEH K (Different station) AS K

3535 kHz, 01-04, 1740 UTC, i.p.

16444 39432 37665 57220 19830 04185 35757 48740 85042 61878 81689 62379 29212 08015 70591 57239 85201 73775 02966
82196 81658 03526 64714 50824 87829 15518 08510 43871 88110 71429 91497 81913 07854 65017 48525 25560 45201 37407
20017 62355 13713 87353 29641 44335 09187 15697 89874 96576 19624 11028 23110 42100 04500 23145 41569 00651 95237
02067 01066 K
R K
BKPJ R 554 K
R K

5254 kHz, 09-04, 1359 UTC

VVV VVV VVV V AR
LEMW DE K8JP QSA ? K
HPOI DE K8JP QSA ? K
HPOI DE K8JP QSA ? K
K8JP DE UKOI QSA 2 QSA ? K
RPT K
K8JP DE UKOI QSA 2 QSA ? K
QXS K

10683//12688//13443 kHz

06-04, 1119 UTC	XXX XXX VN6B VN6B 69466 065 = DDDDD NMFOV ChCQHB ... PYAePU = K
07-04, 1100 UTC	XXX XXX SIJG SIJG 56960 OKUTOK 8317 1897
07-04, 1102 UTC	XXX XXX VN6B VN6B 89453 MOGILXQIK 2304 6211
07-04, 1110 UTC	XXX XXX SIJG SIJG 39787 GOGOLX 9457 4709
07-04, 1120 UTC	XXX XXX VN6B VN6B 18571 POKROJ 3342 1130
07-04, 1416 UTC	XXX XXX 1QRF 1QRF F2ET F2ET 20623 69493 NESYTNOSTX 2640 4551
07-04, 1430 UTC	XXX XXX RGT77 RGT77 45961 LUNNYJ 4305 8381
07-04, 1433 UTC	XXX XXX RGT77 RGT77 56950 WARWICIIT 2305 0613
08-04, 0901 UTC	XXX XXX VN6B VN6B 25374 DINOCERAT 7405 8000
08-04, 0911 UTC	XXX XXX VN6B VN6B 76502 071 = DDDDD NMFOV UeSCAeU ... AZChChB OEUePF PIPUY = K
08-04, 0950 UTC	XXX XXX XC24 XC24 96551 LAGUNQIK 5043 6483
08-04, 0955 UTC	XXX XXX XC24 XC24 70166 KARABINQIK 6025 2268
08-04, 1045 UTC	XXX XXX HOI1 HOI1 03726 KLUeOeARX 2892 7560
08-04, 1211 UTC	XXX XXX W6BY W6BY 09517 WLASAeNIK 2127 8254

12981//11465 kHz

29-04, 1020 UTC	XXX XXX 72IJ 72IJ 98394 KLAUSTALIT 1489 3378
29-04, 1025 UTC	XXX XXX 72IJ 72IJ 63677 SLAM 7764 2851
29-04, 1031 UTC	XXX XXX 72IJ 72IJ 31243 OKSIKETON 4078 3494
29-04, 1035 UTC	XXX XXX 72IJ 72IJ 99402 IMPETIGO 9175 4852
29-04, 1045 UTC	XXX XXX 72IJ 72IJ 62008 BICINIUM 7500 2041
29-04, 1048 UTC	VVVVVVV # D8OR DE 9WBD K R K. OEZI de 9WBD K R K

7783 kHz, 22-04, 0028 UTC

Y4YY DE Q9C5 K
SD9S DE Q9C5 QBE QYT 6 K
Q9C5 QYT 9 K
Q9C5 R K

M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

4246 kHz, 01-04, 1735 UTC, i.p.

REO DE RMP QTC 516 12 01 1955 516 = SML =
PROGNOZ POGODY S 18 GASOW 02 APREL 'A DO 18 GASOW 04 APREL\A 2015 G BALBJSKOE MORE RAJON 1 W ETER ZAPADNYJ
SEWEROZAPADNYJ 9 TIRE 12 PORYWY (Cont'd)

4163 kHz, 11-04, 1733 UTC   RCV DE RGR71 ZKM? K. RGR71 DE RCV ZKM K

5512 kHz, 14-04, 1520 UTC
RFN32 ZSA 4 K
RFN32 DE RMW44 ZSA ? K
RFN32 DE RMW44 ZSA 1 R K
RFN67 DE RMW44 ZSA 3 R K
RFN72 ZSA 1 K
RFN72 DE RMW44 ZSA 1 R K
RFN 73 ZSA 1 K
RFN73 DE RMW44 ZSA 4 R K
RFN74 ZSA 3 K
RFN74 DE RMW44 ZSA 2 R K
RFN76 ZSA 3 K

3750 kHz, 16-04, 1808 UTC
RGR92 DE RMW46 ZSA 1 R K
RFS46 DE RMW46 ZSA 3 R K
RGR94 ZSA 3 ZSA ? K
RG494 DE RMW46 ZSA 3 R K
RG495 DE 4MW46 ZSA 1 R K
RGR96 ZSA 3 ZSA ? K
RGR96 DE RMW46 ZSA 3 R K
RGR97 ZSA 3 ZSA ? K
RGR97 DE RMW46 ZSA 3 R K
RDQ81 ZSA 2 ZSA ? K
RDQ81 DE RMW46 ZSA 1 R K
RGR98 ZSA 2 K
RGR98 DE RMW46 ZSA 1 R K
RGR93 ZSA NO K
RGR93 DE RMW46 ZSA 1 R K

3750 kHz, 17-04, 1810 UTC
VVVV
RGR99 RGR99 ZSA 7 K ZSA? K
RGR49 DE RMW46 ZSA 1 R K
RGR87 DE RMW46 ZSA 2 R K
RGR88 DE RMW46 ZSA 2 R K
RGR89 DE RMW46 ZSA 3 R K
RGR90 DE RMW46 ZSA 3 R K
RGR91 DE RMW46 ZSA 3 R K
RGR92 DE RMW46 ZSA 2 R K
RFS46 DE RMW46 ZSA 4 R K
RGR94 ZSA 2 ZA
RGR94 DE RMW46 ZSA 4 R K
RGR95 DE RMW46 ZSA 3 R K
RGR96 DE RMW46 ZSA 3 R K
RGR97 DE RMW46 ZSA 4 R K
RGR98 DE RMW46 ZSA 4 R K
RGR93 DE RMW46 ZSA ? K
RGR93 DE RMW46 ZSA 3 R K

M32c
Russian Air Force
Voyenno-vozdushnye sily Rossii

Tu-95MS Bear H net

2 April
8029 kHz, 0740 UTC   W-markers
8029 kHz, 0803 UTC   V9ZV DE TRL5 K
8170 kHz, 0806 UTC   TRL5 DE KN5J QTC K
8029 kHz, 0806 UTC   TRL5 QRV K
8170 kHz, 0806 UTC   KN5J = 999 ... ...
8029 kHz, 0806 UTC   KNHJ DE TRL5 = 999 991 664 246 505 3 61 C ? K
8029 kHz, 0823 UTC   V9ZV DE TRL5 K
8029 kHz, 0930 UTC   ? DE TRL5 = 173 969 86 857 788 873 C? K
8170 kHz, 0942 UTC   TRL5 DE TSM3 = 134 969 168 684 788 746 K
8170 kHz, 1016 UTC   TRL5 DE TSM3 = 611 551 421 594 882 731 K
8170 kHz, 1806 UTC   TRL5 DE HFPU QTC K
8029 kHz, 1806 UTC   HFPU DE TRL5 QRV K. HFPU = 560 593 276 000 K. TRL5 = 560 593 276 000 C ? K. C K
8029 kHz, 1840 UTC   W-markers

14 April
8029 kHz, 0700 UTC   W-markers
8029 kHz, 0840 UTC   W-markers
8170 kHz, 0843 UTC   TRL5 DE QDIH QTC K
8029 kHz, 0843 UTC   QDIH DE TRL5 QRV
                     TRL5 = 328 795 228 202 400 212 C ? K

8029 kHz, 03-04, 0740 UTC   W-markers
8029 kHz, 13-04, 1340 UTC   W-markers
8029 kHz, 15-04, 0720 UTC   W-markers
8029 kHz, 20-04, 0800 UTC   W-markers
8029 kHz, 25-04, 0820 UTC   W-markers

EMERGENCY ACTION MESSAGES & SKYKING MESSAGES

Frequencies 8992, 13200 kHz

01-04, 0904 UTC	Mainsail Skyking 4LH 04 XA
01-04, 0905 UTC	Mainsail Skyking TQ4 05 XA
01-04, 1042 UTC	Mainsail Skyking YBG 42 ZT
01-04, 1206 UTC	Mainsail Skyking TQ4 06 BS
01-04, 1206 UTC	Mainsail Skyking 5CR 06 BS
01-04, 1209 UTC	Mainsail 30 Chr EAM 54FFF4 2YFGZG4GFRMUDV4N6T596WL4
01-04, 1504 UTC	Mainsail 30 Chr EAM 54S3F4 2LXKT3YBJGETXXQ2HM6WG4YA
01-04, 1512 UTC	Mainsail 30 Chr EAM 54GKHV FL35UJC7D74JITQHB3BGTATC
01-04, 1645 UTC	Mainsail Skyking MOC 45 LD
01-04, 2048 UTC	Mainsail 30 Chr EAM For Last-01 P3S4OH G5KPGPV4TIXTYT3GGROKJEII
01-04, 2058 UTC	Mainsail 30 Chr EAM For Clobber P3NPXE WOPGQDTGRQYF6JKCAUY6ONHG
02-04, 0804 UTC	Mainsail Skyking YQE 04 DQ
02-04, 1103 UTC	Mainsail Skyking SPA 03 PH
02-04, 1232 UTC	Mainsail 31 Chr EAM P3MPA3 3KKJN2IQQFX7EHQS24O5Q7FHE
02-04, 1541 UTC	Mainsail 30 Chr EAM For Giant Sequoia For Duel P3SHUY V3L6B4HBP6TJBLPJHNO576WI
02-04, 1542 UTC	Mainsail 30 Chr EAM P3LWVU CWNBOWKGJQHXX7H5JXBQ7WXR
02-04, 1632 UTC	Mainsail 50 Chr EAM P32TZE THTZXN2RXAFVWC424WFPNRIGGWXYTD63DZ74EGUO5MUM
02-04, 1635 UTC	Mainsail 30 Chr EAM P3CSQH ATDHHPEGF3JUP6WBEZX54UL6
02-04, 1642 UTC	Mainsail 30 Chr EAM 54BNMP 5M7ZH4VDNXQJGA4L6HSIS7VH
02-04, 1645 UTC	Mainsail 30 Chr EAM 54JKCK 4XQA7YVWVHLZQJUO4LA26F75
02-04, 1700 UTC	Mainsail 30 Chr EAM 54JKCK 4XQA7YVWVHLZQJUO4LA26F75
02-04, 1702 UTC	Mainsail 30 Chr EAM 54BNMP 5M7ZH4VDNXQJGA4L6HSIS7VH
02-04, 1714 UTC	Mainsail 30 Chr EAM 5422E7 AG7TH6ZA6HDHXX2Y57UJ2XVK
02-04, 1920 UTC	Mainsail 30 Chr EAM 54UVED PFQXH5YBLYDXXKULM2RRUOQI
02-04, 1930 UTC	Mainsail 30 Chr EAM 54UWQU IX33FR4UICN53XJEMNFMR67A
02-04, 1954 UTC	Mainsail 30 Chr EAM 54AJM6 PEI2OACYH4HMPA5VO6ZMRITW
02-04, 2006 UTC	Mainsail 30 Chr EAM 543DW5 327RYEAO32GWJH4ADHVEUE4F
03-04, 0729 UTC	Mainsail Skyking 5CA 29 OW
03-04, 1110 UTC	Mainsail Skyking FVN 10 AM
03-04, 1448 UTC	Mainsail 30 chr EAM 54CDLZ 5DV4CXMBX2VBPOUBVDQGTXHT
03-04, 1455 UTC	Mainsail 30 chr EAM 54NYJ6 ZZBUFRDB435XFF7ZBPZ4LSAW
03-04, 1538 UTC	Mainsail 30 chr EAM 54GR4N LHZKDAE72UAXUR63IDL64HY6
03-04, 1610 UTC	Mainsail 30 chr EAM 54KSMA M3VP4NGJND3VEV5AKBEJX4T7
03-04, 1614 UTC	Mainsail 30 chr EAM 54EEIC GP6M4JG3T5Q5UUFJFFI7KZAJ
03-04, 1618 UTC	Mainsail 30 chr EAM 54EEIC GP6M4JG3T5Q5UUFJFFI7KZAJ
06-04, 0613 UTC	Mainsail Skyking Z7M 13 PI
06-04, 0621 UTC	Mainsail Skyking 5O4 21 II
06-04, 0648 UTC	Mainsail 30 chr EAM 544KQ2 KVKQKLMJQPZP5AW6CCHDFHMV
06-04, 0653 UTC	Mainsail 30 chr EAM 54QVWJ ZPRXSNB53QKPCT5PE3LXVXFF
06-04, 0656 UTC	Mainsail 30 chr EAM 544KQ2 KVKQKLMJQPZP5AW6CCHDFHMV
06-04, 0711 UTC	Mainsail 30 chr EAM 54Q2SM LPJ6I34IHOAE3FT3YU335XBH
06-04, 0911 UTC	Mainsail Skyking Z7E 11 QM
06-04, 1100 UTC	Mainsail Skyking VRB 00 ZV
06-04, 1250 UTC	Mainsail 30 chr EAM 54BYWR Y2KLYYXTH7HTANKZB22GWB6H
06-04, 1304 UTC	Mainsail 30 chr EAM 54JU5V 76CWXDR3LNRPMDJ2UBGBGS7P
06-04, 1307 UTC	Mainsail 30 chr EAM 54DY7E KOECKEQD3LU2JCAGY3AVWGHY
06-04, 1418 UTC	Mainsail Skyking YIX 18 GT
06-04, 1521 UTC	Mainsail 30 chr EAM 54JE7A UELKPIJTZ3IM3ARH62S5VXDL
06-04, 1530 UTC	Mainsail 30 chr EAM 54JE7A UELKPIJTZ3IM3ARH62S5VXDL
06-04, 1534 UTC	Mainsail 30 chr EAM 54C6DL X5TNFS3XDDYSV4CNMB2ALSE7
06-04, 1552 UTC	Mainsail 30 chr EAM 544J3U XZ7SYCHNK6L6IWSVYELIMPPC
06-04, 1557 UTC	Mainsail 30 chr EAM 54VL2P WEPFSEWIMWQQGQRDNQ6PJGST

06-04, 1600 UTC	Mainsail 30 chr EAM 544J3U XZ7SYCHNK6L6IWSVYELIMPPC
06-04, 1602 UTC	Mainsail 30 chr EAM 54JE7A UELKPIJTZ3IM3ARH62S5VXDL
07-04, 1540 UTC	Mainsail 78 chr EAM P3S2XC
	WI6W5XBSMJFX7EM4M3B6VGWDUYEO3G6FSBQMICO336KGZR5UJOE26EGWDUYEOEC6SSBQMICW
07-04, 1544 UTC	Mainsail 30 chr EAM P3LLSQ DKD5TA5BF4JXOPDH7K6GFZPL
07-04, 1624 UTC	Mainsail Skyking JFY 24 WZ
07-04, 1626 UTC	Mainsail 50 chr EAM P3DQ2 BVD6IHVPS6PUANQNESNQIHLLZAIHM5RZTALZX4C5ZD63H
07-04, 1629 UTC	Mainsail 30 chr EAM P3VWNH FQI5AS25AAZYEXAVZ4H63N45
07-04, 1638 UTC	Mainsail 34 chr EAM P3AZFD R35ZDKUSRV35GQCSLPSTCEVB2OT
07-04, 1658 UTC	Mainsail 30 chr EAM 54KQ5P RO33FOPSX4IPGAUYKETHPBLI
07-04, 1700 UTC	Mainsail 30 chr EAM 54KQ5P RO33FOPSX4IPGAUYKETHPBLI
07-04, 1702 UTC	Mainsail 30 chr EAM P3RLBA LKX5ZF3OGNUFO54RXRYALDI4
08-04, 1403 UTC	Mainsail 30 chr EAM for Botox P3M7CH Y7XOIU72E3X52NAGSLSVMZMG
08-04, 1433 UTC	Mainsail 30 chr EAM for Wilcock P32HVI IIV2D44RUBTEAY6WIYSDKLSF
10-04, 1614 UTC	Mainsail 30 chr EAM for Echo Mountain P3CAUB 7R2YSKOUQZDDFIHTZQL6DYPC
10-04, 1617 UTC	Mainsail 67 chr EAM P3GOA3
	JGJVIZKFA6L3EFGYGSZDTNQJCUGALWDXLIWSNAALNDVOBJQPNALADCNQJCUGZ
10-04, 1706 UTC	Mainsail 30 chr EAM RNJ7QZ NOCX3VQBXGX4MR6IBREYWK2N
12-04, 0804 UTC	Mainsail Skyking BGY 04 NJ
13-04, 1609 UTC	Mainsail 30 chr EAM RND6KL F5A47IZIHFY55VDPY2XGNTFW
13-04, 1611 UTC	Mainsail 30 chr EAM RNBRD7 QL2QEZ645ROPJRAY7K7VWRBK
13-04, 1631 UTC	Mainsail 30 chr EAM RNXBTD D5OOKQ45NQISBFJVUQVZLNSE
13-04, 1633 UTC	Mainsail 30 chr EAM RND6KL F5A47IZIHFY55VDPY2XGNTFW
13-04, 1635 UTC	Mainsail 30 chr EAM RNBRD7 QL2QEZ645ROPJRAY7K7VWRBK
13-04, 1730 UTC	Mainsail 30 chr EAM RND6KL F5A47IZIHFY55VDPY2XGNTFW
13-04, 1732 UTC	Mainsail 30 chr EAM RNBRD7 QL2QEZ645ROPJRAY7K7VWRBK
16-04, 1552 UTC	Mainsail 30 chr EAM JCZK74 XIXMJS3ZXOUBTDHOBAAPOSBD
16-04, 1553 UTC	Mainsail 30 chr EAM RN42QS OYXZBXLLDVFUMPOEC34B4EV5
16-04, 1615 UTC	Mainsail 30 chr EAM RNTFZN YRKPKDL6XA6NCL3CQ63OGHQ6
16-04, 1618 UTC	Mainsail 30 chr EAM RNAFXH PXVTZXAZS5HWPCAJSCZK5EZD
17-04, 1451 UTC	Mainsail 30 chr EAM JCQVTZ UXDPZ4L27XFZFBE4L2ACT4JL
17-04, 1455 UTC	Mainsail 30 chr EAM JCE2EH WMCEHVE5NQZ6QFAK4KDUNW46
17-04, 1636 UTC	Mainsail 30 chr EAM RNAIHC LJ22MABALS7QS4JOKNPH772F
17-04, 1640 UTC	Mainsail 30 chr EAM RNO62Y RZBUXXOHTHUS76JL7VISOSDZ
19-04, 1333 UTC	Mainsail 30 chr EAM for Black Card JCLRRA DROTDMPGMB5KUIWJSDNWXDIT
20-04, 1630 UTC	Mainsail 30 chr EAM RNM43T OZWC5WJF2PDR2E7H3NXXB56V
20-04, 1632 UTC	Mainsail 30 chr EAM RN2EFX UBJXCGH3BXM6GHQFQ4323LPJ
22-04, 1408 UTC	Mainsail Skyking UZH 08 HM
22-04, 1410 UTC	Mainsail Skyking DXY 10 HD
22-04, 1414 UTC	Mainsail 30 chr EAM RNN27ETZ I73Q3E5MLA4E76PPKQLZCB
22-04, 1418 UTC	Mainsail 30 chr EAM RNWFZ6 2Y7SWPAZFKCZJ2YEAHMNS647
22-04, 1504 UTC	Mainsail 30 chr EAM for Replica JCOG27 EBBDLAM67ITXCQMIY7NFRBDO
22-04, 1540 UTC	Mainsail 30 chr EAM JCIBA4 STBSIWDXE6LHBOV7XHK6BWY6
22-04, 1552 UTC	Mainsail 30 chr EAM JCP4WI SPNOZJHP2G5GPT2LOY4657VZ
22-04, 1606 UTC	Mainsail 30 chr EAM JCEPJL U7PUCFVBVWUXVQRWUR7RJOKA
23-04, 1407 UTC	Mainsail Skyking ASB 07 QE
23-04, 1500 UTC	Mainsail 30 chr EAM RNWQFW TQ5O7TFKSGKHZVGBNR6LUW5D
23-04, 1529 UTC	Mainsail 78 chr EAM JCLXI6
	2IHNP4TCDCN2ELQ4CD4MHF6U6AY2DAMKGXBZGX2DBMV3TSEYS2OHMLF6U6AW2O3MTGXBZGXS
23-04, 1536 UTC	Mainsail 30 chr EAM for Regent Alfa JCJCGV QFSSNL64QXVG2S73ZWWHIQ
23-04, 1545 UTC	Croughton test count 12345 54321
23-04, 1604 UTC	Mainsail 30 chr EAM RNDHZA OCW2WC4SJE7H3PQM6NUYI7DE
23-04, 1613 UTC	Mainsail 30 chr EAM JCI2WO QJP7X2TYSL7WRN64BXHHPPLG
23-04, 1638 UTC	Mainsail 30 chr EAM JC3DKS VJF5MKW33OE35JZUT665WW6M

LOGS SECTION

The logs are sorted on Code, Date and Time.

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
18981	CHN	17-4	0401	Fri	XYXYXYXYXY HR CY U QSA3 AHR EV MSG GA 0130 99 18 0417 1205 (see N&O 211)	4+4 QPSK 75/1000 LSB	(EW)
18320	CZE	7-4	0917	Tue	OLZ88: MFA Prague wkg Embassy Delhi (OLZ66)	Pactor-III USB	(Danix)
20823	DPRK	7-4	1817	Tue	North Korean diplo	DPRK-ARQ 600/600 LSB	(MCO)
17470	E06	2-4	0600	Thu	951 264 108 22574 65048 42344 ... 48106 66113 51803 264 108 00000	USB	(AB)
5186	E06	2-4	0830	Thu	891 237 20 37839 35787 98273 ... 60491 75924 04594 237 20 00000	USB	(AB)
17470	E06	16-4	0600	Thu	951 264 108 22574 65048 42344 ... 48106 66113 51803 264 108 00000	USB	(AB)
9048	E06	29-4	1531	Wed	158 294 63 28421 37516 56535 ... 23314 20726 51573 294 63 00000	USB	(Danix)
12108	E07	1-4	1900	Wed	172 0	AM	(HFD)
10708	E07	1-4	1920	Wed	172 0	AM	(HFD)
9387	E07	2-4	2010	Thu	358 0	AM	(HFD)
7526	E07	2-4	2030	Thu	358 0	AM	(HFD)
14603	E07	5-4	1700	Sun	641 0	AM	(HFD)
13403	E07	5-4	1720	Sun	641 0	AM	(HFD)
12108	E07	6-4	1900	Mon	172 1 3424 85 24207 47955 06136 ... 41909 43939 08627 000 000	AM	(AB)
13403	E07	8-4	1720	Wed	641 641 641 000	AM	(AB)
12108	E07	13-4	1900	Mon	172 172 172 000	AM	(MPJ)
10708	E07	13-4	1920	Mon	172 172 172 000	AM	(MPJ)
12108	E07	20-4	2000	Mon	172 1 297 53 99489 25032 22968 ... 10983 90050 50351 000 000	AM	(GHn)
9208	E07	20-4	2040	Mon	172 1 297 53 99489 25032 22968 ... 10983 90050 50351 000 000	AM	(AB)
14603	E07	22-4	1700	Wed	641 641 641 000	AM	(AB)
13403	E07	22-4	1720	Wed	641 641 641 000	AM	(AB)
12108	E07	22-4	1900	Wed	172 172 172 000	AM	(MPJ)
14603	E07	26-4	1700	Sun	641 641 641 000	AM	(MPJ)
13403	E07	26-4	1720	Sun	641/00	AM	(MPJ)
12108	E07	27-4	1900	Mon	172 172 172 000	AM	(GHn)
14603	E07	29-4	1700	Wed	641 1 252 131 57660 66174 31103 ... 51898 83051 85737 000 000	AM	(AB)
13403	E07	29-4	1720	Wed	641 1 252 131 57660 66174 31103 ... 51898 83051 85737 000 000	AM	(AB)
12103	E07	29-4	1740	Wed	641 1 252 131 57660 66174 31103 ... 51898 83051 85737 000 000	AM	(AB)
10708	E07	29-4	1920	Wed	172 172 172 000	AM	(AB)
12174	E07a	3-4	1510	Fri	102 0	USB	(HFD)
11074	E07a	3-4	1530	Fri	102 102 102 000	USB	(AB/MPJ)
11074	E07a	3-4	1530	Fri	102 0	USB	(HFD)
8144	E07a	8-4	2000	Wed	197 1 38278 487 79 60350	USB	(HFD)
6944	E07a	8-4	2020	Wed	197 1 38278	USB	(HFD)
5474	E07a	8-4	2040	Wed	197 1-38278	USB	(HFD)
6788	E07a	9-4	0430	Thu	741 1 38278 487 79 60350 54561 93087 ... 13444 54040 71872 000 000	USB	(AB)
11074	E07a	10-4	1530	Fri	102 1 16551 3189 67 69299 93239 58085 ... 04283 69030 87464 000 000	USB	(GHn)
12108	E07a	15-4	1900	Wed	172 172 172 000	AM	(GHn)
12174	E07a	17-4	1510	Fri	102 102 102 000	USB	(GHn)
12218	E07a	18-4	0800	Sat	244 244 244 000	USB	(AB/LA6LU)
13418	E07a	18-4	0820	Sat	244 244 244 000	USB	(AB/LA6LU)
8144	E07a	22-4	2000	Wed	197 197 197 000	USB	(MPJ)
7488	E07a	23-4	0450	Thu	741 0	USB	(HFD)
6788	E07a	24-4	0430	Fri	741 0	USB	(HFD)
11074	E07a	24-4	1530	Fri	102 102 102 000	USB	(AB)
10330	E11	2-4	1530	Thu	262/00	USB	(GHn)
9371	E11	2-4	1730	Thu	416/00	USB	(AB)
15915	E11	3-4	0545	Fri	348/00	USB	(AB)
10221	E11	3-4	0710	Fri	633/00	USB	(AB)
10213	E11	6-4	0745	Mon	262/00	USB	(AB)
10690	E11	6-4	0830	Mon	649/00	USB	(AB)
9399	E11	6-4	0900	Mon	534/00	USB	(AB)
15915	E11	8-4	0545	Wed	348/00	USB	(AB)
11450	E11	8-4	0805	Wed	311/00	USB	(AB)
9399	E11	8-4	0900	Wed	534/00	USB	(AB)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
15915	E11	8-4	1155	Wed	718/00	USB	(AB)
15915	E11	10-4	0645	Fri	348/00	USB	(AB)
10221	E11	10-4	0710	Fri	633/00	USB	(AB)
8803	E11	15-4	0930	Wed	270/00	USB	(AB)
7449	E11	15-4	1045	Wed	469/00	USB	(AB)
9371	E11	16-4	1730	Thu	416/00	USB	(AB)
15825	E11	19-4	0730	Sun	352/00	USB	(AB)
11450	E11	19-4	0805	Sun	311/00	USB	(AB/LA6LU)
10221	E11	21-4	0710	Tue	633/00	USB	(AB)
15915	E11	22-4	0545	Wed	348/00	USB	(AB)
9399	E11	22-4	0900	Wed	534/00	USB	(AB)
7449	E11	22-4	1045	Wed	469/00	USB	(AB)
15632	E11	22-4	1300	Wed	133/00	USB	(AB)
10448	E11	22-4	1625	Wed	978/00	USB	(AB)
10800	E11	23-4	0645	Thu	517/00	USB	(AB)
14575	E11	23-4	0745	Thu	335/00	USB	(AB)
9960	E11	23-4	0820	Thu	438/00	USB	(AB)
8803	E11	23-4	0930	Thu	270/00	USB	(AB)
15915	E11	24-4	0545	Fri	348/00	USB	(AB)
10221	E11	24-4	0710	Fri	633/00	USB	(AB)
10690	E11	24-4	0830	Fri	647/30 Attention 50334 75336 84544 ,,, 41870 01490 40103 Attention, rpt msg, out	USB	(AB)
7377	E11	24-4	2000	Fri	576/00	USB	(AB)
11450	E11	26-4	0805	Sun	311/00	USB	(AB)
10447	E11	26-4	1925	Sun	978/00	USB	(MPJ)
9960	E11	27-4	0820	Mon	438/00	USB	(AB)
10690	E11	27-4	0830	Mon	649/00	USB	(AB)
15915	E11	27-4	1540	Mon	228/00	USB	(AB)
10800	E11	28-4	0645	Tue	517/00	USB	(AB)
10221	E11	28-4	0710	Tue	633/00	USB	(AB)
14575	E11	28-4	0745	Tue	335/00	USB	(AB)
8102	E11	28-4	1045	Tue	576/00	USB	(AB)
15632	E11	28-4	1300	Tue	133/00	USB	(AB/GHn)
15915	E11	29-4	0545	Wed	348/00	USB	(AB)
11450	E11	29-4	0805	Wed	311/00	USB	(AB)
15915	E11	29-4	1155	Wed	718/00	USB	(AB)
15632	E11	29-4	1300	Wed	133/00	USB	(AB)
10448	E11	29-4	1625	Wed	978/00	USB	(AB)
10800	E11	30-4	0645	Thu	517/00	USB	(AB)
15915	E11	30-4	1155	Thu	718/00	USB	(AB)
9371	E11	30-4	1730	Thu	416/00	CW	(AB)
5194	E11a	3-4	1810	Fri	959/26 Attention 04186 03163 32600 ... 39615 08834 30579 Attention, rpt msg, out	USB	(GHn)
9960	E11a	6-4	0820	Mon	431/37 Attention 65178 61108 03102 ... 37278 91354 68696 Attention, rpt msg, out	USB	(AB)
13375	E11a	6-4	1110	Mon	950/40 Attention 50169 99571 41010 ... 02460 10518 24741 Attention, rpt msg, out	USB	(AB)
13357	E11a	6-4	1400	Mon	985/10 Attention 46393 29440 43747 66764 15658 79909 60980 00352 83384 31285 Attention, rpt msg, out	USB	(GHn)
13455	E11a	7-4	1810	Tue	981/10 Attention 38360 07715 73159 38162 09587 38860 10850 90990 01974 22388 Attention, rpt msg, out	USB	(AB)
5194	E11a	10-4	1710	Fri	955/21 Attention 99792 61734 75964 63007 78726 ... 41102 91444 40137 57916 32715	USB	(MPJ)
10448	E11a	12-4	1625	Sun	972/35 40197	USB	(HFD)
5194	E11a	13-4	1710	Mon	955/21 Attention 61283 02874 27411 ... 86029 68234 50904 Attention, rpt msg, out	USB	(AB)
10221	E11a	17-4	0710	Fri	634/32 Attention 17919 01975 66665 ... 87448 09264 08435 Attention, rpt msg, out	USB	(AB)
4638	E11a	17-4	1905	Fri	121/24 Attention 60560 07234 69010 ... 24473 16442 96071 Attention, rpt mag, out	USB	(Avare)
5231	E11a	17-4	1920	Fri	121/24 Attention 60560 07234 69010 ... 24473 16442 96071 Attention, rpt mag, out	USB	(Avare)
10213	E11a	18-4	0530	Sat	980/10 Attention 35342 58238 95253 59450 80191 07825 56213 02909 84642 17549 Attention, rpt msg, out	USB	(AB)
13455	E11a	18-4	1810	Sat	982/10 Attention 79456 18827 57688 22863 27039 15271 30262 64242 65167 23461 Attention, rpt msg, out	USB	(GHn)
5194	E11a	20-4	1710	Mon	955/21 Attention 59128 78179 94500 ... 93279 12570 45481 Attention, rpt msg, out	USB	(AB)
13375	E11a	21-4	1400	Tue	985/10 Attention 46393 ...	USB	(LA6LU)
13455	E11a	21-4	1810	Tue	981/10 Attention 38360 07715 73159 38162 09587 38860 10850 90990 01974 22388 Attention, rpt msg, out	USB	(AB)
15915	E11a	22-4	1155	Wed	712/38 Attention 92075 19695 28465 ... 28035 66739 68114 Attention, rpt msg, out	USB	(AB)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
10213	E11a	22-4	1705	Wed	391/34 Attention 36366 93353 45342 ... 25764 25643 14721 Attention, rpt msg, out	USB	(AB)
15915	E11a	23-4	1155	Thu	712/38 Attention 92075 19695 28465 ... 28035 66739 68114 Attention, rpt msg, out	USB	(AB)
13455	E11a	25-4	1810	Sat	986/10 Attention 43236 89121 95592 75223 71832 19926 83055 78039 79557 37287 Attention, rpt msg, out	USB	(GHn)
15825	E11a	26-4	0730	Sun	352/37 Attention 50854 32906 84620 ... 02971 32826 96650 Attention, rpt msg, out	USB	(AB)
10213	E11a	27-4	0745	Mon	268/30 Attention 45441 21457 21760 ... 01471 00933 06498 Attention, rpt msg, out	USB	(AB)
9399	E11a	27-4	0900	Mon	534/30 Attention 06935 74266 91377 ... 43688 47368 53429 Attention, rpt msg, out	USB	(AB)
10213	E11a	28-4	0530	Tue	986/10 Attention 43236 89121 95592 75223 71832 19926 83055 78039 79557 37287 Attention, rpt msg, out	USB	(AB)
7449	E11a	28-4	1045	Tue	461/35 Attention 72193 97210 29697 ... 29676 44533 37256 Attention, rpt msg, out	USB	(AB)
13375	E11a	28-4	1400	Tue	981/10 Attention 19404 09195 97557 32603 13936 98594 40373 96336 21070 82486 Attention, rpt msg, out	USB	(AB)
13455	E11a	28-4	1810	Tue	985/10 Attention 99734 50868 11515 92253 23787 09781 71214 00289 43922 69216 Attention, rpt msg, out	USB	(AB)
9399	E11a	29-4	0900	Wed	534/30 Attention 06935 74266 91377 ... 43688 47368 53429 Attention, rpt msg, out	USB	(AB)
8803	E11a	29-4	0930	Wed	273/34 Attention 12029 86012 93225 ... 93791 12474 61304 Attention, rpt msg, out	USB	(AB)
7449	E11a	29-4	1045	Wed	461/35 Attention 72193 97210 29697 ... 29676 44533 37256 Attention, rpt msg, out	USB	(AB)
8803	E11a	30-4	0930	Thu	273/34 Attention 12029 86012 93225 ... 93791 12474 61304 Attention, rpt msg, out	USB	(AB)
10330	E11a	30-4	1530	Thu	268/30 Attention 45441 21457 21760 ... 01471 00933 06498 Attention, rpt msg, out	USB	(AB)
14260	E17z	2-4	0800	Thu	674 810 5 31542 38747 33534 36213 37580 810 5 00000	USB	(AB)
12930	E17z	2-4	0810	Thu	674 810 5 31542 38747 33534 36213 37580 810 5 00000	USB	(AB)
14260	E17z	23-4	0800	Thu	674 820 5 42900 58466 46645 43850 58546 820 5 00000	USB	(AB)
12930	E17z	23-4	0810	Thu	674 820 5 42900 58466 46645 43850 58546 820 5 00000	USB	(AB)
15040	E22	9-4	1300	Thu	This is BD3 BD3 BD3 BD3 BD3	AM	(Avare)
17387	E22	9-4	1310	Thu	This is BD3 BD3 BD3 BD3 BD3	AM	(Avare)
11620	E22	17-4	1900	Fri	This is BD3	LSB	(Avare)
18163.7	EGY	27-4	1120	Mon	MFA Cairo wkg embassy Islamabad	SITOR-A 100/170	(MCO)
6810	G06	6-4	0800	Mon	329 329 329 00000	USB	(AB)
4632	G06	6-4	1700	Mon	248 913 90 80422 49758 21042 ... 78097 48535 72372 913 90 00000	USB	(Avare)
6810	G06	6-4	1800	Mon	248 913 90 80422 49758 21042 ... 78057 48535 72372 913 90 00000	USB	(AB)
5915	G06	8-4	1200	Wed	248 913 90 80422 49758 21042 ... 78097 48535 72372 913 90 00000	USB	(AB)
5458	G06	8-4	1300	Wed	248 913 90 80422 49758 21042 ... 78097 48535 72372 913 90 00000	USB	(AB)
5442	G06	10-4	1930	Fri	947 215 20 06132 75514 79681 ... 49870 63962 04884 215 20 00000	USB	(AB/MPJ)
4632	G06	13-4	1700	Mon	248 913 90 80422 49758 21042 ... 78097 48535 72372 913 90 00000	USB	(AB)
5380	G06	13-4	1800	Mon	248 913 90 80422 49758 21042 ... 78097 48535 72372 913 90 00000	USB	(AB/MPJ)
6810	G06	20-4	0800	Mon	329 0	USB	(HFD)
6810	G06	20-4	0800	Mon	329 329 329 00000 (started 30 secs early)	USB	(AB)
5934	G06	23-4	1830	Thu	579 832 20 37839 34787 98273 ... 62491 75924 24594 832 20 00000	USB	(GHn)
5442	G06	24-4	1930	Fri	947 215 20 06132 75514 79681 ... 49870 63962 04884 215 20 00000	USB	(AB)
5934	G06s	9-4	1830	Thu	579 832 stops and off	USB	(GHn)
5855	HM01	1-4	0500	Wed	20821 39134 87837 84204 18837 43706	AM/RDFT	(SFNY)
11435	HM01	1-4	1632	Wed	20822 39135 87838 84205 04301 43717	AM/RDFT	(DSch)
11530	HM01	1-4	1701	Wed	20822 39135 87838 84205 04301 43717	AM/RDFT	(DSch)
11635	HM01	1-4	1759	Wed	20822 39135 87838 84205 04301 43717	AM/RDFT	(DSch)
11635	HM01	1-4	2105	Wed	20822 39135 87838 84205 04301 43717	AM/RDFT	(DSch)
10715	HM01	1-4	2202	Wed	20822 39135 87838 84205 04301 43717	AM/RDFT	(DSch)
11462	HM01	2-4	0500	Thu	20822 39135 87838 84205 04301 43717	AM/RDFT	(SFNY)
11435	HM01	2-4	1600	Thu	20823 39136 45511 84206 04301 43718	AM/RDFT	(DSch)
11530	HM01	2-4	1659	Thu	20823 39136 45511 84206 04301 43718	AM/RDFT	(DSch)
11635	HM01	2-4	1814	Thu	20823 39136 45511 84206 04301 43718	AM/RDFT	(DSch)
16180	HM01	2-4	2055	Thu	20823 39136 45511 84206 04301 43718	AM/RDFT	(DSch)
17480	HM01	2-4	2257	Thu	20823 39136 45511 84206 04301 43718	AM/RDFT	(DSch)
5855	HM01	3-4	0500	Fri	20823 39136 45511 84206 04301 43718	AM/RDFT	(SFNY)
5855	HM01	3-4	0530	Fri	20823 39136 45511 84206 04301 43718	AM/RDFT	(AB)
10345	HM01	3-4	0559	Fri	20823 39136 45511 84206 04301 43718	AM/RDFT	(AB)
9330	HM01	3-4	0700	Fri	20823 39136 45511 84206 04301 43718	AM/RDFT	(AB)
9065	HM01	3-4	0800	Fri	20823 39136 45511 84206 04301 43718	AM/RDFT	(AB)
9240	HM01	3-4	0900	Fri	20823 39136 45511 84206 04301 43718	AM/RDFT	(AB)
9155	HM01	3-4	1000	Fri	20823 39136 45511 84206 04301 43718	AM/RDFT	(AB)
11435	HM01	3-4	1639	Fri	20824 39137 45511 84207 04302 43709	AM/RDFT	(DSch)
11635	HM01	3-4	1809	Fri	20824 39137 45511 84207 04302 43709	AM/RDFT	(DSch)
11635	HM01	3-4	2102	Fri	20824 39137 45511 84207 04302 43709	AM/RDFT	(DSch)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
10715	HM01	3-4	2159	Fri	20824 39137 45511 84207 04302 43709	AM/RDFT	(DSch)
11462	HM01	4-4	0500	Sat	20824 39137 45511 84207 04302 43719	AM/RDFT	(SFNY)
10345	HM01	4-4	0600	Sat	20824 39137 45511 84207 04302 43719	AM/RDFT	(AB/SFNY)
5855	HM01	5-4	0500	Sun	20825 39138 45512 60851 04303 32521	AM/RDFT	(SFNY)
11435	HM01	5-4	1558	Sun	Radio Havana with music & commentary. Switched to HM01 at 1605 UTC: 20826 39139 45513 60851 04304 32521	AM/RDFT	(DSch)
11530	HM01	5-4	1659	Sun	20826 39139 45513 60851 04304 32521	AM/RDFT	(DSch)
11635	HM01	5-4	1829	Sun	20826 39139 45513 60851 04304 32521	AM/RDFT	(DSch)
11635	HM01	5-4	2058	Sun	20826 39139 45513 60851 04304 32521	AM/RDFT	(DSch)
10715	HM01	5-4	2202	Sun	20826 39139 45513 60851 04304 32521	AM/RDFT	(DSch)
5855	HM01	6-4	0500	Mon	20826 39139 45513 60851 04304 32521	AM/RDFT	(AB/SFNY)
10345	HM01	6-4	0600	Mon	20826 39139 45513 60851 04304 32521	AM/RDFT	(AB)
9330	HM01	6-4	0700	Mon	20826 39139 45513 60851 04304 32521	AM/RDFT	(AB)
9065	HM01	6-4	0800	Mon	20826 39139 45513 60851 04304 32521	AM/RDFT	(AB)
9240	HM01	6-4	0900	Mon	20826 39139 45513 60851 04304 32521	AM/RDFT	(AB)
9155	HM01	6-4	1000	Mon	20826 39139 45513 60851 04304 32521	AM/RDFT	(AB)
11435	HM01	6-4	1603	Mon	20827 88501 45514 60852 04305 32522	AM/RDFT	(DSch)
11530	HM01	6-4	1708	Mon	20827 88501 45514 60852 04305 32522	AM/RDFT	(DSch)
11635	HM01	6-4	1805	Mon	20827 88501 45514 60852 04305 32522	AM/RDFT	(DSch)
10715	HM01	6-4	2207	Mon	20827 88501 45514 60852 04305 32522	AM/RDFT	(DSch)
11462	HM01	7-4	0500	Tue	20827 88501 45514 60852 04305 32522	AM/RDFT	(SFNY)
11435	HM01	7-4	1605	Tue	20031 88501 45515 60853 04306 32523	AM/RDFT	(DSch)
11530	HM01	7-4	1700	Tue	20031 88501 45515 60853 04306 32523	AM/RDFT	(DSch)
11635	HM01	7-4	1805	Tue	20031 88501 45515 60853 04306 32523	AM/RDFT	(DSch)
16180	HM01	7-4	2102	Tue	20031 88501 45515 60853 04306 32523	AM/RDFT	(DSch)
17480	HM01	7-4	2209	Tue	20031 88501 45515 60853 04306 32523	AM/RDFT	(DSch)
5855	HM01	8-4	0500	Wed	20031 88501 45515 60853 04306 32523	AM/RDFT	(AB/SFNY)
10345	HM01	8-4	0600	Wed	20031 88501 45515 60853 04306 32523	AM/RDFT	(AB)
9330	HM01	8-4	0700	Wed	20031 88501 45515 60853 04306 32523	AM/RDFT	(AB)
9065	HM01	8-4	0800	Wed	20031 88501 45515 60853 04306 32523	AM/RDFT	(AB)
9240	HM01	8-4	0900	Wed	20031 88501 45515 60853 04306 32523	AM/RDFT	(AB)
11435	HM01	8-4	1559	Wed	20031 88502 45516 60854 04307 32524	AM/RDFT	(DSch)
11540	HM01	8-4	1659	Wed	20031 88502 45516 60854 04307 32524	AM/RDFT	(DSch)
11635	HM01	8-4	1758	Wed	20031 88502 45516 60854 04307 32524	AM/RDFT	(DSch)
11635	HM01	8-4	2150	Wed	20031 88502 45516 60854 04307 32524	AM/RDFT	(DSch)
10715	HM01	8-4	2155	Wed	20031 88502 45516 60854 04307 32524	AM/RDFT	(DSch)
11462	HM01	9-4	0500	Thu	20031 88502 45516 60854 04307 32524	AM/RDFT	(AB/SFNY)
14375	HM01	9-4	0606	Thu	20031 88502 45516 60854 04307 32524 Late start	AM/RDFT	(AB)
11435	HM01	9-4	1559	Thu	20032 88503 45517 60855 04308 32525	AM/RDFT	(DSch)
11530	HM01	9-4	1658	Thu	20032 88503 45517 60855 04308 32525	AM/RDFT	(DSch)
11635	HM01	9-4	1759	Thu	20032 88503 45517 60855 04308 32525	AM/RDFT	(DSch)
17480	HM01	9-4	2202	Thu	20032 88503 45517 60855 04308 32525 White noise on freq.	AM/RDFT	(DSch)
5855	HM01	10-4	0503	Fri	20032 88503 45517 60855 04308 32525	AM/RDFT	(SFNY)
9330	HM01	10-4	0700	Fri	20032 88503 45517 60855 04308 32525	AM/RDFT	(AB)
9065	HM01	10-4	0800	Fri	20032 88503 45517 60855 04308 32525	AM/RDFT	(AB)
11435	HM01	10-4	1559	Fri	20033 88504 45518 60856 25471 32526	AM/RDFT	(DSch)
11530	HM01	10-4	1705	Fri	20033 88504 45518 60856 25471 32526	AM/RDFT	(DSch)
11635	HM01	10-4	1814	Fri	20033 88504 45518 60856 25471 32526 Late start	AM/RDFT	(DSch)
11635	HM01	10-4	2059	Fri	20033 88504 45518 60856 25471 32526	AM/RDFT	(DSch)
10715	HM01	10-4	2156	Fri	20033 88504 45518 60856 25471 32526	AM/RDFT	(DSch)
11462	HM01	11-4	0500	Sat	20033 88504 45518	AM/RDFT	(SFNY)
14830	HM01	11-4	0600	Sat	60856 25471 32526 Not on 14375 kHz	AM/RDFT	(SFNY)
11435	HM01	11-4	1557	Sat	20033 88504 45518 60856 25471 32526	AM/RDFT	(DSch)
11530	HM01	11-4	1601	Sat	20034 88505 45519 60857 25471 32527	AM/RDFT	(DSch)
11530	HM01	11-4	1756	Sat	20034 88505 45519 60857 25471 32527 Starting over at 1756 UTC. Off at 1758 UTC	AM/RDFT	(DSch)
11635	HM01	11-4	1759	Sat	20034 88505 45519 60857 25471 32527	AM/RDFT	(DSch)
16180	HM01	11-4	2103	Sat	20034 88505 45519 60857 25471 32527	AM/RDFT	(DSch)
17480	HM01	11-4	2202	Sat	20034 88505 45519 60857 25471 32527	AM/RDFT	(DSch)
5855	HM01	12-4	0500	Sun	20034 88505 45519 60857 25471 32527	AM/RDFT	(AB/SFNY)
10345	HM01	12-4	0600	Sun	20034 88505 45519 60857 25471 32527	AM/RDFT	(AB)
9330	HM01	12-4	0700	Sun	Carrier. Nothing else till 0732 UTC: 20034 88505 45519 60857 25471 32527	AM/RDFT	(AB)
9065	HM01	12-4	0800	Sun	20034 88505 45519 60857 25471 32527	AM/RDFT	(AB)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
11435	HM01	12-4	1559	Sun	20035 88506 24381 60858 25472 75311	AM/RDFT	(DSch)
11530	HM01	12-4	1659	Sun	20035 88506 24381 60858 25472 75311	AM/RDFT	(DSch)
11635	HM01	12-4	1703	Sun	20035 88506 24381 60858 25472 75311	AM/RDFT	(DSch)
11635	HM01	12-4	2101	Sun	20035 88506 24381 60858 25472 75311	AM/RDFT	(DSch)
10715	HM01	12-4	2158	Sun	20035 88506 24381 60858 25472 75311	AM/RDFT	(DSch)
5855	HM01	13-4	0500	Mon	20035 88506 24381 60858 25472 75311	AM/RDFT	(AB/SFNY)
10345	HM01	13-4	0600	Mon	20035 88506 24381 60858 25472 75311	AM/RDFT	(AB)
11435	HM01	13-4	1559	Mon	20036 88507 24381 20481 25473 75311	AM/RDFT	(DSch)
11530	HM01	13-4	1658	Mon	20036 88507 24381 20481 25473 75311	AM/RDFT	(DSch)
11635	HM01	13-4	1758	Mon	20036 88507 24381 20481 25473 75311	AM/RDFT	(DSch)
11635	HM01	13-4	2059	Mon	20036 88507 24381 20481 25473 75311	AM/RDFT	(DSch)
10715	HM01	13-4	2158	Mon	20036 88507 24381 20481 25473 75311	AM/RDFT	(DSch)
11462	HM01	14-4	0500	Tue	20036 88507 24381 20481 25473 75311	AM/RDFT	(SFNY)
14375	HM01	14-4	0600	Tue	20036 88507 24381 20481 25473 75311 Should be on 9330 kHz	AM/RDFT	(AB)
11435	HM01	14-4	1600	Tue	20037 88508 24382 20481 25474 75312	AM/RDFT	(DSch)
11530	HM01	14-4	1703	Tue	20037 88508 24382 20481 25474 75312	AM/RDFT	(DSch)
11635	HM01	14-4	1758	Tue	20037 88508 24382 20481 25474 75312	AM/RDFT	(DSch)
11635	HM01	14-4	2050	Tue	20037 88508 24382 20481 25474 75312 Should be on 16180 kHz. Off at 2050 UTC	AM/RDFT	(DSch)
16180	HM01	14-4	2114	Tue	20037 88508 24382 20481 25474 75312	AM/RDFT	(DSch)
17480	HM01	14-4	2205	Tue	20037 88508 24382 20481 25474 75312	AM/RDFT	(DSch)
5855	HM01	15-4	0500	Wed	20037 88508 24382 20482 25474 75312	AM/RDFT	(SFNY)
11435	HM01	15-4	1614	Wed	17881 15121 24383 20482 25475 75313	AM/RDFT	(DSch)
11530	HM01	15-4	1730	Wed	17881 15121 24383 20482 25475 75313	AM/RDFT	(DSch)
11635	HM01	15-4	1758	Wed	17881 15121 24383 20482 25475 75313	AM/RDFT	(DSch)
11635	HM01	15-4	2101	Wed	17881 15121 24383 20482 25475 75313	AM/RDFT	(DSch)
11462	HM01	16-4	0500	Thu	17881 15121 24383 20482 25475 75313	AM/RDFT	(SFNY)
14375	HM01	16-4	0603	Thu	17881 15121 24383 20482 25475 75313	AM/RDFT	(AB)
11435	HM01	16-4	1630	Thu	17881 15121 24384 20483 25476 75314	AM/RDFT	(DSch)
11530	HM01	16-4	1659	Thu	17881 15121 24384 20483 25476 75314	AM/RDFT	(DSch)
11635	HM01	16-4	1759	Thu	17881 15121 24384 20483 25476 75314	AM/RDFT	(DSch)
16180	HM01	16-4	2005	Thu	17881 15121 24384 20483 25476 75314	AM/RDFT	(DSch)
17480	HM01	16-4	2158	Thu	17881 15121 24384 20483 25476 75314	AM/RDFT	(DSch)
5355	HM01	17-4	0500	Fri	17881 15121 24384 20483 25476 75314 Strong carrier but very weak audio	AM/RDFT	(AB/SFNY)
10345	HM01	17-4	0602	Fri	17881 15121 24384 20483 25476 75314 Strong carrier but very weak audio	AM/RDFT	(AB)
11435	HM01	17-4	1608	Fri	17882 15122 24385 20484 25477 75315	AM/RDFT	(DSch)
11530	HM01	17-4	1704	Fri	17882 15122 24385 20484 25477 75315	AM/RDFT	(DSch)
11635	HM01	17-4	1822	Fri	17882 15122 24385 20484 25477 75315	AM/RDFT	(DSch)
11635	HM01	17-4	2058	Fri	17882 15122 24385 20484 25477 75315	AM/RDFT	(DSch)
10715	HM01	17-4	2201	Fri	17882 15122 24385 20484 25477 75315	AM/RDFT	(DSch)
11462	HM01	18-4	0500	Sat	17882 15122 24385 20484 25477 75314	AM/RDFT	(AB/SFNY)
14375	HM01	18-4	0600	Sat	17882 15122 24385 20484 25477 75315	AM/RDFT	(AB)
13435	HM01	18-4	0700	Sat	17882 15122 24385 20484 25477 75315	AM/RDFT	(AB)
11635	HM01	18-4	0800	Sat	17882 15122 24385 20484 25477 75315	AM/RDFT	(AB)
11435	HM01	18-4	1549	Sat	17883 15123 24386 20485 57151 75316	AM/RDFT	(DSch)
11530	HM01	18-4	1731	Sat	17883 15123 24386 20485 57151 75316 17883 etc 181731	AM/RDFT	(DSch)
11635	HM01	18-4	2019	Sat	17883 15123 24386 20485 57151 75316 17883 etc 181758	AM/RDFT	(DSch)
16180	HM01	18-4	2058	Sat	17883 15123 24386 20485 57151 75316	AM/RDFT	(DSch)
17480	HM01	18-4	2201	Sat	17883 15123 24386 20485 57151 75316. Late start	AM/RDFT	(DSch)
5855	HM01	19-4	0500	Sun	17883 15123 24386 20485 57151 75315	AM/RDFT	(AB/SFNY)
10345	HM01	19-4	0603	Sun	17883 15123 24386 20485 57151 75316. Late start	AM/RDFT	(AB)
9330	HM01	19-4	0700	Sun	17883 15123 24386 20485 57151 75316	AM/RDFT	(AB)
9065	HM01	19-4	0800	Sun	17883 15123 24386 20485 57151 75316	AM/RDFT	(AB)
11435	HM01	19-4	1559	Sun	17884 15124 24387 20486 57152 75317	AM/RDFT	(DSch)
11530	HM01	19-4	1711	Sun	17884 15124 24387 20486 57152 75317	AM/RDFT	(DSch)
11635	HM01	19-4	1758	Sun	17884 15124 24387 20486 57152 75317	AM/RDFT	(DSch)
11635	HM01	19-4	2059	Sun	17884 15124 24387 20486 57152 75317	AM/RDFT	(DSch)
10715	HM01	19-4	2158	Sun	17884 15124 24387 20486 57152 75317	AM/RDFT	(DSch)
5855	HM01	20-4	0500	Mon	17884 15124 24387 20486 57152 75316	AM/RDFT	(AB/SFNY)
10345	HM01	20-4	0600	Mon	17884 15124 24387 20486 57152 75317	AM/RDFT	(AB)
9330	HM01	20-4	0700	Mon	17884 15124 24387 20486 57152 75317	AM/RDFT	(AB)
9065	HM01	20-4	0800	Mon	17884 15124 24387 20486 57152 75317	AM/RDFT	(AB)
9155	HM01	20-4	1000	Mon	17884 15124 24387 20486 57152 75317	AM/RDFT	(AB)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
11435	HM01	20-4	1607	Mon	17885 15125 24388 20487 57153 75318	AM/RDFT	(DSch)
11530	HM01	20-4	1741	Mon	17885 15125 24388 20487 57153 75318	AM/RDFT	(DSch)
11635	HM01	20-4	1800	Mon	17885 15125 24388 20487 57153 75318	AM/RDFT	(DSch)
11635	HM01	20-4	2055	Mon	17885 15125 24388 20487 57153 75318	AM/RDFT	(DSch)
10715	HM01	20-4	2156	Mon	17885 15125 24388 20487 57153 75318	AM/RDFT	(DSch)
11462	HM01	21-4	0500	Tue	17885 15125 24388 20487 57153 75317	AM/RDFT	(AB/SFNY)
14375	HM01	21-4	0600	Tue	17885 15125 24388 20487 57153 75318	AM/RDFT	(AB)
11435	HM01	21-4	1559	Tue	17886 15126 05151 20488 57154 67511	AM/RDFT	(DSch)
11530	HM01	21-4	1658	Tue	17886 15126 05151 20488 57154 67511	AM/RDFT	(DSch)
11635	HM01	21-4	1758	Tue	17886 15126 05151 20488 57154 67511	AM/RDFT	(DSch)
16180	HM01	21-4	2058	Tue	17886 15126 05151 20488 57154 67511	AM/RDFT	(DSch)
17480	HM01	21-4	2159	Tue	17886 15126 05151 20488 57154 67511	AM/RDFT	(DSch)
5855	HM01	22-4	0500	Wed	17886 15126 05151 20488 57154 67511	AM/RDFT	(SFNY)
10345	HM01	22-4	0600	Wed	17886 15126 05151 20488 57154 67511	AM/RDFT	(AB)
9155	HM01	22-4	1000	Wed	17886 15126 05151 20488 57154 67511	AM/RDFT	(AB)
11435	HM01	22-4	1618	Wed	17887 15127 05151 20489 57155 67511	AM/RDFT	(DSch)
11540	HM01	22-4	1734	Wed	17887 15127 05151 20489 57155 67511	AM/RDFT	(DSch)
11635	HM01	22-4	1810	Wed	17887 15127 05151 20489 57155 67511	AM/RDFT	(DSch)
11635	HM01	22-4	2059	Wed	17887 15127 05151 20489 57155 67511	AM/RDFT	(DSch)
10715	HM01	22-4	2156	Wed	17887 15127 05151 20489 57155 67511	AM/RDFT	(DSch)
11462	HM01	23-4	0500	Thu	17887 15127 05151 20489 57155 67511	AM/RDFT	(AB/SFNY)
14375	HM01	23-4	0600	Thu	17887 15127 05151 20489 57155 67511	AM/RDFT	(AB/SFNY)
11635	HM01	23-4	0800	Thu	17887 15127 05151 20489 57155 67511	AM/RDFT	(AB)
11462	HM01	23-4	0900	Thu	17887 15127 05151 20489 57155 67511	AM/RDFT	(AB)
11530	HM01	23-4	1658	Thu	48631 15128 05152 73011 57156 67512	AM/RDFT	(DSch)
11635	HM01	23-4	1751	Thu	48631 15128 05152 73011 57156 67512	AM/RDFT	(DSch)
16180	HM01	23-4	2103	Thu	48631 15128 05152 73011 57156 67512	AM/RDFT	(DSch)
17480	HM01	23-4	2159	Thu	48631 15128 05152 73011 57156 67512	AM/RDFT	(DSch)
5855	HM01	24-4	0500	Fri	48631 15128 05152 73011 57156 67512	AM/RDFT	(SFNY)
10345	HM01	24-4	0600	Fri	48631 15128 05152 73011 57156 67512	AM/RDFT	(AB)
9330	HM01	24-4	0700	Fri	48631 15128 05152 73011 57156 67512	AM/RDFT	(AB)
9065	HM01	24-4	0800	Fri	48631 15128 05152 73011 57156 67512	AM/RDFT	(AB)
11530	HM01	24-4	1659	Fri	48631 15129 05153 73011 57157 67513	AM/RDFT	(DSch)
11635	HM01	24-4	1758	Fri	48631 15129 05153 73011 57157 67513	AM/RDFT	(DSch)
11635	HM01	24-4	2103	Fri	48631 15129 05153 73011 57157 67513	AM/RDFT	(DSch)
11462	HM01	25-4	0500	Sat	48631 15129 05153 73011 57157 67513	AM/RDFT	(SFNY)
14375	HM01	25-4	0600	Sat	48631 15129 05153 73011 57157 67513	AM/RDFT	(SFNY)
11435	HM01	25-4	1559	Sat	48632 10681 05154 73012 57158 67514	AM/RDFT	(DSch)
11530	HM01	25-4	1712	Sat	48632 10681 05154 73012 57158 67514	AM/RDFT	(DSch)
11635	HM01	25-4	1758	Sat	48632 10681 05154 73012 57158 67514	AM/RDFT	(DSch)
16180	HM01	25-4	2100	Sat	48632 10681 05154 73012 57158 67514	AM/RDFT	(DSch)
17480	HM01	25-4	2157	Sat	48632 10681 05154 73012 57158 67514	AM/RDFT	(DSch)
5855	HM01	26-4	0500	Sun	48632 10681 05154 73012 57158 67514	AM/RDFT	(SFNY)
5855	HM01	27-4	0500	Mon	48633 10681 05155 73013 54401 67515	AM/RDFT	(SFNY)
11435	HM01	27-4	1602	Mon	48634 10682 05156 73014 54401 67516	AM/RDFT	(DSch)
11530	HM01	27-4	1700	Mon	48634 10682 05156 73014 54401 67516	AM/RDFT	(DSch)
11635	HM01	27-4	1806	Mon	48634 10682 05156 73014 54401 67516	AM/RDFT	(DSch)
11635	HM01	27-4	2058	Mon	48634 10682 05156 73014 54401 67516	AM/RDFT	(DSch)
10715	HM01	27-4	2158	Mon	48634 10682 05156 73014 54401 67516	AM/RDFT	(DSch)
11462	HM01	28-4	0503	Tue	48634 10682 05156 73014 54401 67516. Late start	AM/RDFT	(AB)
14375	HM01	28-4	0559	Tue	48634 10682 05156 73014 54401 67516	AM/RDFT	(AB/SFNY)
13435	HM01	28-4	0659	Tue	48634 10682 05156 73014 54401 67516	AM/RDFT	(AB)
11635	HM01	28-4	0759	Tue	48634 10682 05156 73014 54401 67516	AM/RDFT	(AB)
16180	HM01	28-4	2100	Tue	48635 10683 05157 73015 54402 72100	AM/RDFT	(BW3)
5855	HM01	29-4	0500	Wed	48635 10683 05157 73015 54402 72100	AM/RDFT	(AB/SFNY)
10345	HM01	29-4	0600	Wed	48635 10683 05157 73015 54402 72100	AM/RDFT	(AB)
9240	HM01	29-4	0900	Wed	48635 10683 05157 73015 54402 72100	AM/RDFT	(AB)
11435	HM01	29-4	1628	Wed	48636 10684 62000 73016 54403 72101	AM/RDFT	(DSch)
11635	HM01	29-4	1808	Wed	48636 10684 62000 73016 54403 72101	AM/RDFT	(DSch)
10715	HM01	29-4	2202	Wed	48636 10684 62000 73016 54403 72101	AM/RDFT	(DSch)
11462	HM01	30-4	0500	Thu	48636 10684 62000 73016 54403 72101	AM/RDFT	(AB/SFNY)
14375	HM01	30-4	0600	Thu	48636 10684 62000 73016 54403 72101	AM/RDFT	(AB/SFNY)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
13435	HM01	30-4	0700	Thu	48636 10684 62000 73016 54403 72101	AM/RDFT	(AB)
11635	HM01	30-4	0800	Thu	48636 10684 62000 73016 54403 72101	AM/RDFT	(AB)
11462	HM01	30-4	0900	Thu	48636 10684 62000 73016 54403 72101	AM/RDFT	(AB)
11435	HM01	30-4	1608	Thu	48637 10685 62001 73017 54404 72102	AM/RDFT	(DSch)
11530	HM01	30-4	1735	Thu	48637 10685 62001 73017 54404 72102	AM/RDFT	(DSch)
11635	HM01	30-4	1809	Thu	48637 10685 62001 73017 54404 72102	AM/RDFT	(DSch)
16180	HM01	30-4	2102	Thu	48637 10685 62001 73017 54404 72102	AM/RDFT	(DSch)
10480	HM01	30-4	2158	Thu	48637 10685 62001 73017 54404 72102	AM/RDFT	(DSch)
5020	M01	2-4	2000	Thu	463 131 30 = = 90717 90991 92488 93608 85409 ... 93038 90626 38507 32409 18731 000	CW	(MPJ)
5020	M01	7-4	2000	Tue	463 189 30 = = 08450 22790 73431 76328 32610 ... 03631 4766 (as sent) 48744 25918 59338 = = 189 30 000	CW	(MPJ)
5475	M01	16-4	1800	Thu	463 031 30 = = 63048 80449 79069 69446 39783 ... 19972 41575 19031 46864 10368 031 30 000	CW	(MPJ)
5475	M01	21-4	1800	Tue	463 437 30 = = 96587 50964 17800 01377 65804 ... 87227 35280 76388 60288 94523 = = 437 30 000. Poor copy	CW	(MPJ)
5020	M01	21-4	2000	Tue	463 606 30 = = 33968 79838 25368 94967 99312 ... 09642 54317 22926 90506 97555 33548 = = 603 (as sent) 30 000	CW	(MPJ)
5475	M01	30-4	1800	Thu	463 231 30 = = 87920 48080 98717 48432 28246 ... 24931 03712 75241 4477. .3218 = = 231 30 000	CW	(MPJ)
4605	M01b	2-4	1832	Thu	201 883 47=49899 //3510	CW	(HFD)
3510	M01b	2-4	1832	Thu	201 883 47=49899 //4605	CW	(HFD)
3715	M01b	2-4	1942	Thu	477 883 47=49899 //4570	CW	(HFD)
4570	M01b	2-4	1942	Thu	477-883 47=49899 //3715	CW	(HFD)
3625	M01b	3-4	1902	Fri	153 883 47=49899	CW	(HFD)
3625	M01b	10-4	1902	Fri	153 738 35 = = 95218 42904 83944 43628 81401 ... 82785 28191 82023 10506 61079 = = 738 35 000	MCW	(MPJ)
3625	M01b	10-4	1902	Fri	153 738 35 = = 95218 42904 83944 43628 81401 ... 82785 28191 82023 10506 61079 = = 738 35 000	MCW	(MPJ)
3645	M01b	13-4	1915	Mon	771 738 35 = = 95218 42904 83944 43628 81401 ... 82785 28191 82023 10506 61079 = = 738 35 //4455 kHz	MCW	(MPJ)
4455	M01b	13-4	1915	Mon	771 738 35 = = 95218 42904 83944 43628 81401 ... 82785 28191 82023 10506 61079 = = 738 35 //3645 kHz	MCW	(MPJ)
4605	M01b	16-4	1832	Thu	201 738 35 = = 95218 42904 83944 43628 81401 ... 82785 28191 82023 10506 61079 = = 738 35 000 //3510 kHz	MCW	(MPJ)
3510	M01b	16-4	1832	Thu	201 738 35 = = 95218 42904 83944 43628 81401 ... 82785 28191 82023 10506 61079 = = 738 35 000 //4605 kHz	MCW	(MPJ)
4570	M01b	16-4	1942	Thu	477 738 35 = = 95218 42904 83944 43628 81401 ... 82785 28191 82023 10506 61079 = = 839 35 000 //3715 kHz	MCW	(MPJ)
3715	M01b	16-4	1942	Thu	477 738 35 = = 95218 42904 83944 43628 81401 ... 82785 28191 82023 10506 61079 = = 839 35 000 //4570 kHz	MCW	(MPJ)
4585	M01b	17-4	2010	Fri	582 738 35=95218 //3520	CW	(HFD)
3520	M01b	17-4	2010	Fri	582 738 35=95218 //4585	CW	(HFD)
4590	M01b	20-4	1810	Mon	420 738 35=95218 //3535	CW	(HFD)
3535	M01b	20-4	1810	Mon	420 738 35=95218 //4590	CW	(HFD)
4455	M01b	20-4	1915	Mon	771 738 35 = 95218 ... //3645 kHz	CW	(AB)
3645	M01b	20-4	1915	Mon	771 738 35 = 95218 ... //4455 kHz	CW	(AB)
4454	M01b	20-4	1915	Mon	771 738 35=95218 //3644	CW	(HFD)
3644	M01b	20-4	1915	Mon	771 738 35=95218 //4454	CW	(HFD)
4605	M01b	30-4	1832	Thu	201 738 35 = = 95218(?) 42904 83944(?) 43628 81401 ...	MCW	(MPJ)
3715	M01b	30-4	1941	Thu	477 738 35 = = 95218 42904 83944 43628 81401 ... 82785 28191 82023 10506 61079 = = 738 35 000 //4604 kHz	MCW	(MPJ)
4570	M01b	30-4	1941	Thu	477 738 35 = = 95218 42904 83944 43628 81401 ... 82785 28191 82023 10506 61079 = = 738 35 000 //3715 kHz	MCW	(MPJ)
5463	M03	6-4	1320	Mon	543/00 = 000	CW	(AB)
5463	M03	8-4	1320	Wed	543/00 = 000	CW	(AB)
9150	M03	16-4	1320	Thu	437/00 = = 000	CW	(MPJ)
9150	M03	19-4	1320	Sun	437/00 = = 000	CW	(AB)
5463	M03	22-4	1320	Wed	542/32 = 11538 36167 89219 ... 29586 61488 23989 = 542/32 = rpt msg = 635 28 = 000	CW	(AB)
5463	M03	29-4	1320	Wed	543/00 = 000	CW	(AB)
9150	M03	30-4	1320	Thu	VVV 437/00 = = 000	CW	(AB)
8096	M08a	1-4	1359	Wed	No callup. Into text	CW	(DSch)
7554	M08a	1-4	2011	Wed	Cuban cut nbrs	CW	(DSch)
8096	M08a	2-4	1407	Thu	Cuban cut nbrs	CW	(DSch)

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Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
7554	M08a	2-4	2002	Thu	Cuban cut nbrs	CW	(DSch)
8135	M08a	2-4	2258	Thu	Cuban cut nbrs: GANGN TTWNA IDGRA	CW	(DSch)
7554	M08a	3-4	2001	Fri	Cuban cut nbrs	CW	(DSch)
8096	M08a	5-4	1407	Sun	Cuban cut nbrs	CW	(DSch)
8135	M08a	5-4	2303	Sun	Cuban cut nbrs: AGNAN NNWTA DWTNN	CW	(DSch)
7554	M08a	6-4	2012	Mon	Cuban cut nbrs	CW	(DSch)
7554	M08a	7-4	2007	Tue	Cuban cut nbrs	CW	(DSch)
8135	M08a	7-4	2300	Tue	Cuban cut nbrs	CW	(DSch)
7554	M08a	8-4	1959	Wed	Cuban cut nbrs: DDNNN WRWUA NTIGA	CW	(DSch)
8009	M08a	8-4	2258	Wed	Cuban cut nbrs: NRIDA UTARA WDWGN	CW	(DSch)
7554	M08a	9-4	2010	Thu	Started late and into text, no callup	CW	(DSch)
8096	M08a	10-4	1400	Fri	Barely audible	CW	(DSch)
7554	M08a	10-4	2016	Fri	Distored signal	CW	(DSch)
7554	M08a	13-4	2004	Mon	Cuban cut nbrs	CW	(DSch)
8096	M08a	14-4	1402	Tue	Cuban cut nbrs. No callup	CW	(DSch)
7554	M08a	14-4	2000	Tue	Cuban cut nbrs	CW	(DSch)
8096	M08a	15-4	1402	Wed	Cuban cut nbrs	CW	(DSch)
7554	M08a	15-4	2000	Wed	Cuban cut nbrs	CW	(DSch)
8096	M08a	16-4	1418	Thu	Cuban cut nbrs	CW	(DSch)
7554	M08a	16-4	2132	Thu	Cuban cut nbrs: NRDDA DTIWN UDAGA 161958. Still going at 2005 UTC and apparently added another addressee RGNRA. S/off at 2132 UTC	CW	(DSch)
8135	M08a	16-4	2258	Thu	Cuban cut nbrs: NNRGA NNRGA WGUUA 162258	CW	(DSch)
7554	M08a	17-4	2009	Fri	Cuban cut nbrs	CW	(DSch)
8135	M08a	17-4	2314	Fri	Cuban cut nbrs	CW	(DSch)
8096	M08a	18-4	1407	Sat	Cuban cut nbrs	CW	(DSch)
7554	M08a	18-4	2019	Sat	Tuned but no tfc followed	CW	(DSch)
8096	M08a	19-4	1400	Sun	Cuban cut nbrs: AGNRN NNWTA DWTNN	CW	(DSch)
8135	M08a	19-4	2311	Sun	Cuban cut nbrs: AGNRN NNWTA DWTNN	CW	(DSch)
7554	M08a	20-4	2001	Mon	Cuban cut nbrs	CW	(DSch)
8009	M08a	20-4	2305	Mon	Cuban cut nbrs	CW	(DSch)
7554	M08a	21-4	2015	Tue	Cuban cut nbrs	CW	(DSch)
8096	M08a	22-4	1359	Wed	Cuban cut nbrs: WWUNN IANIA RIIUA	CW	(DSch)
7554	M08a	22-4	2005	Wed	Cuban cut nbrs	CW	(DSch)
8009	M08a	22-4	2304	Wed	Cuban cut nbrs	CW	(DSch)
7554	M08a	23-4	1959	Thu	Cuban cut nbrs	CW	(DSch)
8135	M08a	23-4	2251	Thu	Tuning at 2251z. Callup at 2258z: NRRTA DTTDN UDUWA	CW	(DSch)
8096	M08a	24-4	1358	Fri	Cuban cut nbrs	CW	(DSch)
7554	M08a	24-4	2002	Fri	Cuban cut nbrs: AGNRW NNRIA DWTNN	CW	(DSch)
7554	M08a	24-4	2316	Fri	Cuban cut nbrs. Should be on 8135 kHz	CW	(DSch)
8096	M08a	25-4	1407	Sat	Cuban cut nbrs: AGNRN NNATA DWTNN	CW	(DSch)
7554	M08a	25-4	2014	Sat	Cuban cut nbrs	CW	(DSch)
8096	M08a	26-4	1416	Sun	Cuban cut nbrs	CW	(DSch)
8135	M08a	26-4	2306	Sun	Cuban cut nbrs. No callup, into text	CW	(DSch)
8096	M08a	27-4	1359	Mon	Cuban cut nbrs: TNDWN AUAGN NGAAN	CW	(DSch)
7554	M08a	27-4	2021	Mon	Cuban cut nbrs	CW	(DSch)
7555	M08a	28-4	1959	Tue	During the callup they started switching back and forth between V02a and M08a.	LSB	(BW3/Danix)
8135	M08a	28-4	2300	Tue	DGI	CW	(BW3)
8096	M08a	29-4	1409	Wed	Cuban cut nbrs	CW	(DSch)
8009	M08a	29-4	2305	Wed	Cuban cut nbrs	CW	(DSch)
7554	M08a	30-4	1016	Thu	No callup into Cuban cut nbrs	CW	(DSch)
6793	M12	1-4	2100	Wed	785 1	CW	(HFD)
5893	M12	1-4	2120	Wed	785 1	CW	(HFD)
4593	M12	1-4	2140	Wed	785 1	CW	(HFD)
7484	M12	2-4	0630	Thu	402 0	CW	(HFD)
8084	M12	2-4	0650	Thu	402 0	CW	(HFD)
14468	M12	2-4	1310	Thu	451 1	CW	(HFD)
13568	M12	2-4	1330	Thu	451 1	CW	(HFD)
12178	M12	2-4	1350	Thu	451 1	CW	(HFD)
10343	M12	7-4	1930	Tue	124 1 8078 70 96693 34708 85237 36309 06646 ... 15825 04586 79213 50563 08481 000 000	CW	(MPJ)
9264	M12	7-4	1950	Tue	124 1 8078 70 96693 34708 85237 36309 06646 ... 15825 04586 79213 50563 08481 000 000	CW	(MPJ)

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11469	M12	8-4	2110	Wed	441 0	CW	(HFD)
10469	M12	8-4	2130	Wed	441 0	CW	(HFD)
9327	M12	13-4	1740	Mon	938 1 5097 117 77858 60492 66035 74221 52925 ... 32660 54298 39886 78029 72470 000 000	CW	(MPJ)
8047	M12	13-4	1800	Mon	463 1 6434 149 56423 76164 73526 02766 60350 ... 36692 00664 90127 11590 46827 000 000	CW	(MPJ)
6802	M12	13-4	1820	Mon	463 1 6434 149 56423 76164 73526 02766 60350 ... 36692 00664 90127 11590 46827 000 000	CW	(MPJ)
5788	M12	13-4	1840	Mon	463 1 6434 149 56423 76164 73526 02766 60350 ... 36692 00664 90127 11590 46827 000 000	CW	(MPJ)
9176	M12	13-4	1900	Mon	257 1 1524 112 70455 74188 77168 15663 17872 ... 62212 78775 57359 53030 21467 000 000	CW	(MPJ)
7931	M12	13-4	1920	Mon	257 1 1524 112 70455 74188 77168 15663 17872 ... 62212 78775 57359 53030 21467 000 000	CW	(MPJ)
6904	M12	13-4	1940	Mon	257 1 1524 112 70455 74188 77168 15663 17872 ... 62212 78775 57359 53030 21467 000 000	CW	(MPJ)
14468	M12	16-4	1310	Thu	451 451 451 000	CW	(MPJ)
13568	M12	16-4	1330	Thu	451 451 451 000	CW	(MPJ)
13386	M12	16-4	1500	Thu	725 1 7296 146 39486 93021 38504 34864 18593 ... 97365 14000 51176 62136 00601 000 000	CW	(MPJ)
12189	M12	16-4	1520	Thu	725 1 7296 146 39486 93021 38504 34864 18593 ... 97365 14000 51176 62136 00601 000 000	CW	(MPJ)
11491	M12	16-4	1540	Thu	725 1 7296 146 39486 93021 38504 34864 18593 ... 97365 14000 51176 62136 00601 000 000	CW	(MPJ/AB)
13386	M12	16-4	1700	Thu	725 1 6876 108 29075 27949 24663 54629 66010 ... 96657 34490 13479 69132 46232 000 000	CW	(MPJ)
12189	M12	16-4	1720	Thu	725 1 6876 108 29075 27949 24663 54629 66010 ... 96657 34490 13479 69132 46232 000 000	CW	(MPJ)
11491	M12	16-4	1740	Thu	725 1 6876 108 29075 27949 24663 54629 66010 ... 96657 34490 13479 69132 46232 000 000	CW	(MPJ)
10343	M12	16-4	1800	Thu	124 1 5027 145 12953 80908 95320 74164 66018 ... 43331 51324 25980 81898 31026 000 000	CW	(MPJ)
9264	M12	16-4	1820	Thu	124 1 5027 145 12953 80908 95320 74164 66018 ... 43331 51324 25980 81898 31026 000 000	CW	(MPJ)
8116	M12	16-4	1840	Thu	124 1 5027 145 12953 80908 95320 74164 66018 ... 43331 51324 25980 81898 31026 000 000	CW	(MPJ)
10343	M12	16-4	1900	Thu	124 1 1533 104 71805 81581 62684 79121 34415 ... 37995 87697 35172 30634 57078 000 000	CW	(MPJ)
9264	M12	16-4	1920	Thu	124 1 1533 104 71805 81581 62684 79121 34415 ... 37995 87697 35172 30634 57078 000 000	CW	(MPJ)
8116	M12	16-4	1940	Thu	124 1 1533 104 71805 81581 62684 79121 34415 ... 37995 87697 35172 30634 57078 000 000	CW	(MPJ)
11469	M12	18-4	2110	Sat	441 441 441 000	CW	(LA6LU)
10469	M12	18-4	2130	Sat	441 441 441 000	CW	(LA6LU)
5792	M12	20-4	0430	Mon	796 0	CW	(HFD)
6992	M12	20-4	0450	Mon	796 0	CW	(HFD)
8047	M12	20-4	1800	Mon	463 1	CW	(HFD)
6802	M12	20-4	1820	Mon	463 1	CW	(HFD)
5788	M12	20-4	1840	Mon	463 1	CW	(HFD)
9176	M12	20-4	1900	Mon	257 1	CW	(HFD)
7931	M12	20-4	1920	Mon	257 1	CW	(HFD)
6904	M12	20-4	1940	Mon	257 1	CW	(HFD)
10343	M12	21-4	1930	Tue	124 1 3891 63 00019 15773 42263 69949 24364 ... 21714 57134 47058 30738 17809 000 000	CW	(MPJ/LA6LU)
9264	M12	21-4	1950	Tue	124 1 3891 63 00019 15773 42263 69949 24364 ... 21714 57134 47058 30738 17809 000 000	CW	(MPJ)
8116	M12	21-4	2010	Tue	124 1 3891 63 00019 15773 42263 69949 24364 ... 21714 57134 47058 30738 17809 000 000	CW	(MPJ)
6904	M12	22-4	1840	Wed	257 1 4935 147 22549 14937 87169 64195 94193 ... 43642 46602 56533 03948 14536 000 000	CW	(MPJ)
8047	M12	22-4	1900	Wed	463 1 2198 150 49069 84503 23484 97705 32144 ... 41855 47244 06859 25717 37832 000 000	CW	(MPJ)
6802	M12	22-4	1920	Wed	463 1 2198 150 49069 84503 23484 97705 32144 ... 41855 47244 06859 25717 37832 000 000	CW	(MPJ)
11435	M12	22-4	1930	Wed	938 1 7153 52 59045 48612 05835 89832 73113 ... 14540 69520 88846 64800 99807 000 000	CW	(MPJ)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
5788	M12	22-4	1940	Wed	463 1 2198 150 49069 84503 23484 97705 32144 ... 41855 47244 06859 25717 37832 000 000	CW	(MPJ)
10598	M12	22-4	1950	Wed	938 1 7153 52 59045 48612 05835 89832 73113 ... 14540 69520 88846 64800 99807 000 000	CW	(MPJ)
9327	M12	22-4	2010	Wed	938 1 7153 52 59045 48612 05835 89832 73113 ... 14540 69520 88846 64800 99807 000 000	CW	(MPJ)
11435	M12	29-4	1930	Wed	938 1 ...	CW	(AB)
8084	M12	30-4	0650	Thu	402 402 402 000	CW	(AB)
10343	M12	30-4	1800	Thu	124 1 3499 148 11753 84437 26947 99567 59495 ... 58301 41102 47699 80598 98671 000 000	CW	(MPJ)
9264	M12	30-4	1820	Thu	124 1 3499 148 11753 84437 26947 99567 59495 ... 58301 41102 47699 80598 98671 000 000	CW	(MPJ)
8116	M12	30-4	1840	Thu	124 1 3499 148 11753 84437 26947 99567 59495 ... 58301 41102 47699 80598 98671 000 000	CW	(MPJ)
10343	M12	30-4	1900	Thu	124 1 7311 119 59036 50208 34008 18703 74418 ... 88991 79822 62283 38856 49222 000 000	CW	(MPJ)
9264	M12	30-4	1920	Thu	124 1 7311 119 59036 50208 34008 18703 74418 ... 88991 79822 62283 38856 49222 000 000	CW	(MPJ)
8116	M12	30-4	1940	Thu	124 1 7311 119 59036 50208 34008 18703 74418 ... 88991 79822 62283 38856 49222 000 000	CW	(MPJ)
18041	M14	2-4	0500	Thu	952 143 60 = 09414 25701 91157 ... 14359 52455 71796 = 143 60 00000	CW	(AB)
5944	M14	3-4	1700	Fri	382 382 382 00000	CW	(MPJ)
5477	M14	3-4	1800	Fri	382 382 382 00000	CW	(MPJ)
5947	M14	14-4	1820	Tue	346 129 020=23145	CW	(HFD)
4391	M21	2-4	1635	Thu	=991936??0?????	CW	(JPL-Sib)
4391	M21	5-4	2058	Sun	=992359??0?????	CW	(JPL-Sib)
4391	M21	22-4	2233	Wed	=990134??0?????	CW	(JPL-Sib)
8004	M32	1-4	1041	Wed	i.p. UEV47 UEV47 QTC UEV47 UEV47 UEV47 QTC 781 26 01 1650 781 = 469 814 530 = AAAAA RINOT KASMP (Cont'd)	CW	(JPL-Sib)
6375	M32	1-4	1727	Wed	i.p. 829 22 1 2005 829 = FM 772825 FOR 468561 = PWRZI PANK\H G\HOLD \HQNWG A\ORTS (Cont'd)	CW	(JPL-Sib)
3535	M32	1-4	1740	Wed	i.p. 16444 39432 37665 57220 19830 04185 ... 95237 02067 01066 K. R K. BKPJ R 554 K. R K	CW	(JPL-Sib)
8512	M32	2-4	1002	Thu	P4T6 DE VLLO ZJU ZON ZCC ZXN ZOJ ZQZ QSU 1 QYT 6 QSU 6 K. P4T6 DE VLLO K	CW	(JPL-Sib)
7838	M32	2-4	1154	Thu	NELJ DE TDBI K. E27R DE TDBI K. R K	CW	(JPL-Sib)
10683	M32	6-4	1119	Mon	XXX XXX VN6B VN6B 69466 065 = DDDDD NMFOV ChCQHB ... PYAePU = K on 10683//12688//13443 kHz	CW	(JU)
16048	M32	6-4	1149	Mon	C8AO de ZXHN K	CW	(Faux)
10683	M32	7-4	1100	Tue	XXX XXX SIJG SIJG 56960 OKUTOK 8317 1897 on 10683//12688//13443 kHz	CW	(JU)
10683	M32	7-4	1102	Tue	XXX XXX VN6B VN6B 89453 MOGILXQIK 2304 6211 on 10683//12688//13443 kHz	CW	(JU)
10683	M32	7-4	1110	Tue	XXX XXX SIJG SIJG 39787 GOGOLX 9457 4709 on 10683//12688//13443 kHz	CW	(JU)
10683	M32	7-4	1120	Tue	XXX XXX VN6B VN6B 18571 POKROJ 3342 1130 on 10683//12688//13443 kHz	CW	(JU)
10683	M32	7-4	1416	Tue	XXX XXX 1QRF 1QRF F2ET F2ET 20623 69493 NESYTNOSTX 2640 4551 on 10683//12688//13443 kHz	CW	(JU)
10683	M32	7-4	1430	Tue	XXX XXX RGT77 RGT77 45961 LUNNYJ 4305 8381 on 10683//12688//13443 kHz	CW	(JU)
10683	M32	7-4	1433	Tue	XXX XXX RGT77 RGT77 56950 WARWICIIT 2305 0613 on 10683//12688//13443 kHz	CW	(JU)
4140	M32	7-4	1800	Tue	i.p. QTC 009 36 07 23 40 009 = ZHG FM 091 315 FOR 656 061 073 814 389 = JHUYR MVXOP KFZAB (Cont'd)	CW	(JPL-Sib)
10683	M32	8-4	0901	Wed	XXX XXX VN6B VN6B 25374 DINOCERAT 7405 8000 on 10683//12688//13443 kHz	CW	(JU)
10683	M32	8-4	0911	Wed	XXX XXX VN6B VN6B 76502 071 = DDDDD NMFOV UeSCAeU ... AZChChB OEUePF PIPUY = K on 10683//12688//13443 kHz	CW	(JU)
10683	M32	8-4	0950	Wed	XXX XXX XC24 XC24 96551 LAGUNQIK 5043 6483 on 10683//12688//13443 kHz	CW	(JU)
10683	M32	8-4	0955	Wed	XXX XXX XC24 XC24 70166 KARABINQIK 6025 2268 on 10683//12688//13443 kHz	CW	(JU)
10683	M32	8-4	1045	Wed	XXX XXX HOI1 HOI1 03726 KLUeOeARX 2892 7560 on 10683//12688//13443 kHz	CW	(JU)
10683	M32	8-4	1211	Wed	XXX XXX W6BY W6BY 09517 WLASAeNIK 2127 8254 on 10683//12688//13443 kHz	CW	(JU)
4108	M32	8-4	1837	Wed	XXX XXX VZFY VZFY GEKSOBIOZA 9954 G KSOBIOZA 9954 K	CW	(JPL-Sib)
5254	M32	9-4	1359	Thu	VVV AR LEMW DE K8JP QSA? K. HPOI DE K8JP QSA? K. K8JP DE UKOI QSA 2 QSA? K. QXS K	CW	(JPL-Sib)
3780	M32	14-4	1505	Tue	2LXT DE FXTB K. ZYC ZNU ZEH K. AS K	CW	(JPL-Sib)
3495	M32	14-4	2133	Tue	XXX XXX 5AQP RAQP 5AQP 0000 XXX XXX RAQP 5AQP 0000 K	CW	(JPL-Sib)
7783	M32	22-4	0028	Wed	Y4YY DE Q9C5 K. SD9S DE Q9C5 QBE QYT6 K. Q9C5 QYT9 K. Q9C5 R K.	CW	(JPL-Sib)
12981	M32	29-4	1020	Wed	XXX XXX 72IJ 72IJ 98394 KLAUSTALIT 1489 3378 //11465 kHz	CW	(JU)
12981	M32	29-4	1025	Wed	XXX XXX 72IJ 72IJ 63677 SLAM 7764 2851 //11465 kHz	CW	(JU)
12981	M32	29-4	1031	Wed	XXX XXX 72IJ 72IJ 31243 OKSIKETON 4078 3494 //11465 kHz	CW	(JU)
12981	M32	29-4	1035	Wed	XXX XXX 72IJ 72IJ 99402 IMPETIGO 9175 4852 //11465 kHz	CW	(JU)

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12981	M32	29-4	1045	Wed	XXX XXX 72IJ 72IJ 62008 BICINIUM 7500 2041 //11465 kHz	CW	(JU)
12981	M32	29-4	1048	Wed	VVVVVVV # D8OR DE 9WBD K R K. OEZI de 9WBD K R K //11465 kHz	CW	(JU)
4246	M32a	1-4	1735	Wed	REO DE RMP QTC 516 12 01 1955 516 = SML = PROGNOZ POGODY S 18 GASOW 02 APREL 'A DO 18 …	CW	(JPL-Sib)
3797	M32a	8-4	2022	Wed	DE RCV QTC 119 42 2 0910 119 = PRIP NOWOROSSIJSK .9 KARTA ….	CW	(JPL-Sib)
4163	M32a	11-4	1732	Sat	RCV DE RGR71 ZKM? K. RGR71 DE RCV ZKM K	CW	(JPL-Sib)
5512	M32a	14-4	1520	Tue	RFN32 ZSA 4 K. RFN32 DE RMW44 ZSA ? K. RFN32 DE RMW44 ZSA 1 R K	CW	(JPL-Sib)
3750	M32a	16-4	1808	Thu	RGR92 DE RMW46 ZSA 1 R K (see N&O 211)	CW	(JPL-Sib)
3750	M32a	17-4	1810	Fri	VVVV RGR99 RGR99 ZSA 7 K ZSA? K (see N&O 211)	CW	(JPL-Sib)
8029	M32c	2-4	0740	Thu	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	2-4	0803	Thu	V9ZV DE TRL5 K	CW	(Tom)
8170	M32c	2-4	0806	Thu	TRL5 DE KN5J QTC K	CW	(Tom)
8029	M32c	2-4	0835	Thu	Bear Net: v9zv de trl5 k 02.04.2015 (wp3)	CW	(WP3)
8029	M32c	2-4	0930	Thu	Bear Net: ? de trl5 = 173 969 86 857 788 873 c? k	CW	(WP3)
8170	M32c	2-4	0942	Thu	Bear Net: trl5 de tsm3 = 134 969 168 684 788 746 k	CW	(WP3)
8170	M32c	2-4	1016	Thu	Bear Net: trl5 de tsm3 = 611 551 421 594 882 731 k	CW	(WP3)
8029	M32c	2-4	1806	Thu	HFPU DE TRL5 QRV K. HFPU = 560 593 276 000 K. TRL5 = 560 593 276 000 C? K. C K	CW	(Tom)
8170	M32c	2-4	1806	Thu	TRL5 DE HFPU QTC K	CW	(Tom)
8029	M32c	2-4	1840	Thu	W-markers	CW	(Tom)
8029	M32c	3-4	0740	Fri	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	6-4	0440	Mon	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	8-4	0500	Wed	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	13-4	1340	Mon	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	14-4	0700	Tue	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	14-4	0840	Tue	W-markers: Tu-95MS Bear H net	CW	(Tom)
8170	M32c	14-4	0843	Tue	TRL5 DE QDIH QTC K	CW	(Tom)
8029	M32c	14-4	0843	Tue	QDIH DE TRL5 QRV K. QDIH (Very weak) TRL5 = 328 795 228 202 400 212 C ? K	CW	(Tom)
8029	M32c	15-4	0720	Wed	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	20-4	0800	Mon	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	23-4	0840	Thu	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	25-4	0820	Sat	W-markers: Tu-95MS Bear H net	CW	(Tom)
14390	M42	5-4	0815	Sun	Russian diplo	CROWD-36	(AAI)
9288	M42	24-4	0626	Fri	Russian diplo. Traffic started and continued on and off same frequency till 0653 UTC	CROWD-36	(PUK)
14352	M42	30-4	2311	Thu	Russian diplo/intel, Cuba. ?1 83111 00001 27000 00300 04013?	Baudot 200/500	(MCO)
13549	M42b	18-4	0824	Sat	K4MT/NT9P net with 5FG, =50= & =100= separators, sending 100 gr message	Baudot 50/500	(linkz)
9121	M42b	18-4	2245	Sat	K4MT/NT9P net waking up sequence FSK 50/500,ITA-2 decodes rt~bzl26~~~~ followed at 2251 UTC by 5FG message with =50=, =100= & =150= separators	Baudot 50/500	(linkz)
9186	M42c	2-4	1900	Thu	msg	FSK 200/500	(HFD)
6989	M42c	2-4	1910	Thu	msg	FSK 200/500	(HFD)
5127	M42c	2-4	1920	Thu	msg	FSK 200/500	(HFD)
18206	M42c	4-4	1200	Sat	msg	FSK 200/500	(HFD)
16159	M42c	4-4	1210	Sat	msg	FSK 200/500	(HFD)
14551	M42c	4-4	1220	Sat	msg	FSK 200/500	(HFD)
14517	M42c	4-4	1810	Sat	msg	FSK 200/500	(HFD)
12196	M42c	4-4	1820	Sat	msg	FSK 200/500	(HFD)
10413	M42c	4-4	1830	Sat	msg	FSK 200/500	(HFD)
6989	M42c	16-4	1910	Thu	Russian Diplo/Intel. 00000++++++++++162)5761	FSK 200/500	(MPJ)
18204	M42c	25-4	1200	Sat	RYRYRY 00000++++++++++162)5761	FSK 200/500	(AB)
16157	M42c	25-4	1210	Sat	RYRYRY 00000++++++++++162)5761	FSK 200/500	(AB)
14549	M42c	25-4	1220	Sat	RYRYRY 00000++++++++++162)5761	FSK 200/500	(AB)
11052	M42d	3-4	0700	Fri	Russian diplo/intel. Msg 237 on link 45136	FSK 200/1000	(AB)
9187	M42d	3-4	0710	Fri	Russian diplo/intel. Msg 237 on link 45136	FSK 200/1000	(AB)
6950	M42d	3-4	0720	Fri	Russian diplo/intel. Msg 237 on link 45136	FSK 200/1000	(AB)
10388	M42d	7-4	1200	Tue	Russian Diplo/Intel. Msg 248 on Link 64960: 63324 16938 05894 54268 31550 36874 58887 17866	FSK 200/1000	(MPJ)
8084	M42d	7-4	1210	Tue	Russian Diplo/Intel. Msg 248 on Link 64960: 63324 16938 05894 54268 31550 36874 58887 17866	FSK 200/1000	(MPJ)
11052	M42d	8-4	0700	Wed	Russian diplo/intel. Msg 162 on link 45136	FSK 200/1000	(AB)
8187	M42d	8-4	0710	Wed	Russian diplo/intel. Msg 162 on link 45136	FSK 200/1000	(AB)
17494	M42d	8-4	0800	Wed	Russian diplo/intel. Msg 057 on link 45075	FSK 200/1000	(AB)
15827	M42d	8-4	0810	Wed	Russian diplo/intel. Msg 057 on link 45075	FSK 200/1000	(AB)
13406	M42d	8-4	0820	Wed	Russian diplo/intel. Msg 057 on link 45075	FSK 200/1000	(AB)

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10386	M42d	8-4	1200	Wed	Russian diplo/intel. Msg 162 on link 45136	FSK 200/1000	(AB)
8082	M42d	8-4	1210	Wed	Russian diplo/intel. Msg 162 on link 45136	FSK 200/1000	(AB)
6778	M42d	8-4	1220	Wed	Russian diplo/intel. Msg 162 on link 45136	FSK 200/1000	(AB)
11052	M42d	10-4	0700	Fri	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
8187	M42d	10-4	0710	Fri	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
6950	M42d	10-4	0720	Fri	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
12154	M42d	12-4	0820	Sun	Russian diplo/intel. Msg 15 on link 45114	FSK 200/1000	(AB)
13393	M42d	14-4	1700	Tue	Russian diplo/intel. Msg 140 on link 20501	FSK 200/1000	(AB)
11034	M42d	14-4	1710	Tue	Russian diplo/intel. Msg 140 on link 20501	FSK 200/1000	(AB)
11052	M42d	15-4	0700	Wed	Russian diplo/intel. Msg 182 on link 45136	FSK 200/1000	(AB)
8187	M42d	15-4	0710	Wed	Russian diplo/intel. Msg 182 on link 45136	FSK 200/1000	(AB)
6950	M42d	15-4	0720	Wed	Russian diplo/intel. Msg 182 on link 45136	FSK 200/1000	(AB)
15949	M42d	16-4	1330	Thu	Russian diplo/intel. Msg 007 on link 49237	FSK 200/1000	(AB)
13504	M42d	16-4	1340	Thu	Russian diplo/intel. Msg 007 on link 49237	FSK 200/1000	(AB)
11481	M42d	16-4	1350	Thu	Russian diplo/intel. Msg 007 on link 49237	FSK 200/1000	(AB)
11052	M42d	17-4	0700	Fri	Russian diplo/intel. Msg 192 on link 45137	FSK 200/1000	(AB)
8187	M42d	17-4	0710	Fri	Russian diplo/intel. Msg 192 on link 45137	FSK 200/1000	(AB)
6950	M42d	17-4	0720	Fri	Russian diplo/intel. Msg 192 on link 45137	FSK 200/1000	(AB)
11052	M42d	20-4	0700	Mon	Russian diplo/intel. Msg 192 on link 45136	FSK 200/1000	(AB)
8187	M42d	20-4	0710	Mon	Russian diplo/intel. Msg 192 on link 45136	FSK 200/1000	(AB)
10386	M42d	20-4	1200	Mon	Russian diplo/intel. Msg 192 on link 45136	FSK 200/1000	(AB)
8082	M42d	20-4	1210	Mon	Russian diplo/intel. Msg 192 on link 45136	FSK 200/1000	(AB)
11052	M42d	21-4	0700	Tue	Russian diplo/intel. Msg 195 on link 45137	FSK 200/1000	(AB)
8187	M42d	21-4	0710	Tue	Russian diplo/intel. Msg 195 on link 45137	FSK 200/1000	(AB)
18467	M42d	21-4	1410	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
16309	M42d	21-4	1420	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
15656	M42d	21-4	1650	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
13393	M42d	21-4	1700	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
11034	M42d	21-4	1710	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
8187	M42d	22-4	0700	Wed	Russian diplo/intel. Msg 202 on link 45136	FSK 200/1000	(AB)
11052	M42d	22-4	0700	Wed	Russian diplo/intel. Msg 202 on link 45136	FSK 200/1000	(AB)
19545	M42d	22-4	0800	Wed	Russian diplo/intel. Msg 215 on link 16404	FSK 200/1000	(AB)
17465	M42d	22-4	0810	Wed	Russian diplo/intel. Msg 215 on link 16404	FSK 200/1000	(AB)
15922	M42d	22-4	0820	Wed	Russian diplo/intel. Msg 215 on link 16404	FSK 200/1000	(AB)
13406	M42d	22-4	0820	Wed	Russian diplo/intel. Msg 055 on link 45075	FSK 200/1000	(AB)
18622	M42d	22-4	0915	Wed	Russian diplo/intel. Msg 065 on link 20492	FSK 200/1000	(AB)
16157	M42d	22-4	0925	Wed	Russian diplo/intel. Msg 065 on link 20492	FSK 200/1000	(AB)
14639	M42d	22-4	0935	Wed	Russian diplo/intel. Msg 065 on link 20492	FSK 200/1000	(AB)
10386	M42d	22-4	1200	Wed	Russian diplo/intel. Msg 202 on link 45136	FSK 200/1000	(AB)
8082	M42d	22-4	1210	Wed	Russian diplo/intel. Msg 202 on link 45136	FSK 200/1000	(AB)
11052	M42d	23-4	0700	Thu	Russian diplo/intel. Msg 205 on link 45137	FSK 200/1000	(AB)
8187	M42d	23-4	0710	Thu	Russian diplo/intel. Msg 205 on link 45137	FSK 200/1000	(AB)
6950	M42d	23-4	0720	Thu	Russian diplo/intel. Msg 205 on link 45137	FSK 200/1000	(AB)
19454	M42d	23-4	0800	Thu	Russian diplo/intel. Msg 215 on link 16404	FSK 200/1000	(AB)
17465	M42d	23-4	0810	Thu	Russian diplo/intel. Msg 215 on link 16404	FSK 200/1000	(AB)
15922	M42d	23-4	0820	Thu	Russian diplo/intel. Msg 215 on link 16404	FSK 200/1000	(AB)
15949	M42d	23-4	1330	Thu	Russian diplo/intel. Msg 007 on link 49237	FSK 200/1000	(AB)
13504	M42d	23-4	1340	Thu	Russian diplo/intel. Msg 007 on link 49237	FSK 200/1000	(AB)
11481	M42d	23-4	1350	Thu	Russian diplo/intel. Msg 007 on link 49237	FSK 200/1000	(AB)
13544	M42d	24-4	0610	Fri	Russian diplo/intel. Msg 122 on link 40988	FSK 200/1000	(AB)
11159	M42d	24-4	0620	Fri	Russian diplo/intel. Msg 122 on link 40988	FSK 200/1000	(AB)
11052	M42d	24-4	0700	Fri	Russian diplo/intel. Msg 072 on link 45136	FSK 200/1000	(AB)
15944	M42d	25-4	0910	Sat	Russian diplo/intel. Msg 175 on link 45057	FSK 200/1000	(AB)
13541	M42d	25-4	0920	Sat	Russian diplo/intel. Msg 175 on link 45057	FSK 200/1000	(AB)
18914	M42d	25-4	1100	Sat	Russian diplo/intel. Msg 030 on link 36882	FSK 200/1000	(AB)
16323	M42d	25-4	1110	Sat	Russian diplo/intel. Msg 030 on link 36882	FSK 200/1000	(AB)
14844	M42d	25-4	1120	Sat	Russian diplo/intel. Msg 030 on link 36882	FSK 200/1000	(AB)
16258	M42d	26-4	0800	Sun	Russian diplo/intel. Msg 017 on link 45114	FSK 200/1000	(AB)
14368	M42d	26-4	0810	Sun	Russian diplo/intel. Msg 017 on link 45114	FSK 200/1000	(AB)
12154	M42d	26-4	0820	Sun	Russian diplo/intel. Msg 017 on link 45114	FSK 200/1000	(AB)
17479	M42d	26-4	0900	Sun	Russian diplo/intel. Msg 175 on link 45057	FSK 200/1000	(AB)
15944	M42d	26-4	0910	Sun	Russian diplo/intel. Msg 175 on link	FSK 200/1000	(AB)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
18914	M42d	26-4	1100	Sun	Russian diplo/intel. Msg 030 on link 36882	FSK 200/1000	(AB)
16232	M42d	26-4	1110	Sun	Russian diplo/intel. Msg 030 on link 36882	FSK 200/1000	(AB)
14844	M42d	26-4	1120	Sun	Russian diplo/intel. Msg 030 on link 3	FSK 200/1000	(AB)
11052	M42d	27-4	0700	Mon	Russian diplo/intel. Msg 210 on link 45136	FSK 200/1000	(AB)
8187	M42d	27-4	0710	Mon	Russian diplo/intel. Msg 210 on link 45136	FSK 200/1000	(AB)
6950	M42d	27-4	0720	Mon	Russian diplo/intel. Msg 210 on link 45136	FSK 200/1000	(AB)
11052	M42d	28-4	0700	Tue	Russian diplo/intel. Msg 212 on link 45137	FSK 200/1000	(AB)
8187	M42d	28-4	0710	Tue	Russian diplo/intel. Msg 212 on link 45137	FSK 200/1000	(AB)
6950	M42d	28-4	0720	Tue	Russian diplo/intel. Msg 212 on link 45137	FSK 200/1000	(AB)
10386	M42d	28-4	1200	Tue	Russian diplo/intel. Msg 212 on link 45137	FSK 200/1000	(AB)
8082	M42d	28-4	1210	Tue	Russian diplo/intel. Msg 212 on link 45137	FSK 200/1000	(AB)
6778	M42d	28-4	1220	Tue	Russian diplo/intel. Msg 212 on link 45137	FSK 200/1000	(AB)
18467	M42d	28-4	1410	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
16309	M42d	28-4	1420	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
15656	M42d	28-4	1650	Tue	Russian diplo/intel. Msg 003 on link 20501	FSK 200/1000	(AB)
13393	M42d	28-4	1700	Tue	Russian diplo/intel. Msg 003 on link 20501	FSK 200/1000	(AB)
11034	M42d	28-4	1710	Tue	Russian diplo/intel. Msg 003 on link 20501	FSK 200/1000	(AB)
9236	M42d	28-4	2100	Tue	Russian diplo/intel. Msg 002 on link 45057	FSK 200/1000	(AB)
11052	M42d	29-4	0700	Wed	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
8187	M42d	29-4	0710	Wed	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
6950	M42d	29-4	0720	Wed	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
17494	M42d	29-4	0800	Wed	Russian diplo/intel. Msg 142 on link 45075	FSK 200/1000	(AB)
15827	M42d	29-4	0810	Wed	Russian diplo/intel. Msg 142 on link 45075	FSK 200/1000	(AB)
13406	M42d	29-4	0820	Wed	Russian diplo/intel. Msg 142 on link 45075	FSK 200/1000	(AB)
10386	M42d	29-4	1200	Wed	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
8082	M42d	29-4	1210	Wed	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
9087	M42d	29-4	1220	Wed	Russian diplo/intel. Msg 107 on link 03667	FSK 200/1000	(AB)
11052	M42d	30-4	0700	Thu	Russian diplo/intel. Msg 220 on link 45136	FSK 200/1000	(AB)
10386	M42d	30-4	0700	Thu	Russian diplo/intel. Msg 220 on link 45136	FSK 200/1000	(AB)
6778	M42d	30-4	0710	Thu	Russian diplo/intel. Msg 220 on link 45136	FSK 200/1000	(AB)
8082	M42d	30-4	0710	Thu	Russian diplo/intel. Msg 220 on link 45136	FSK 200/1000	(AB)
8187	M42d	30-4	0710	Thu	Russian diplo/intel. Msg 220 on link 45136	FSK 200/1000	(AB)
6950	M42d	30-4	0720	Thu	Russian diplo/intel. Msg 220 on link 45136	FSK 200/1000	(AB)
15949	M42d	30-4	1330	Thu	Russian diplo/intel. Msg 240 on link 49237	FSK 200/1000	(AB)
13504	M42d	30-4	1340	Thu	Russian diplo/intel. Msg 240 on link 49237	FSK 200/1000	(AB)
11481	M42d	30-4	1350	Thu	Russian diplo/intel. Msg 240 on link 49237	FSK 200/1000	(AB)
5453	M51	1-4	1624	Wed	French Mil Intel = NR 67 A 01 18:24:35 2015 =	CW	(Danix)
3881	M51	1-4	2007	Wed	French Mil Intel = NR 13 A 01 22:06:57 2015 = //5453 kHz	CW	(Danix)
5453	M51	1-4	2007	Wed	French Mil Intel = NR 13 A 01 22:06:57 2015 = //3881 kHz	CW	(Danix)
6853	M51	2-4	0954	Thu	French Mil Intel = NR 55 A 02 11:54:15 2015 =	CW	(Danix)
6234.5	M51	6-4	1749	Mon	French Mil Intel = NR 18 A 06 19:49:35 2015 = SDYWK HFRIE //7437 kHz	CW	(Danix)
7437	M51	6-4	1749	Mon	French Mil Intel = NR 18 A 06 19:49:35 2015 = SDYWK HFRIE //6234.5 kHz	CW	(Danix)
6825	M51	7-4	1412	Tue	French Mil Intel = NR 28 A 07 16:12:43 2015 =	CW	(Danix)
7529	M51	8-4	1436	Wed	French Mil Intel = NR 43 A 08 16:46:05 2015 = DTSWT IGFCZ //7535 kHz	CW	(Danix)
7535	M51	8-4	1436	Wed	French Mil Intel = NR 43 A 08 16:46:05 2015 = DTSWT IGFCZ //7529 kHz	CW	(Danix)
8618	M51	9-4	1334	Thu	French Mil Intel = NR 04 A 09 15:34:07 2015 = AHHDA NUSGO	CW	(Danix)
6234.5	M51	9-4	1502	Thu	French Mil Intel = NR 19 A 09 17:02:56 2015 = //7529 kHz	CW	(Danix)
7529	M51	9-4	1502	Thu	French Mil Intel = NR 19 A 09 17:02:56 2015 = //6234.5 kHz	CW	(Danix)
8016	M51	10-4	1959	Fri	French CSTEI FaviÞres/Vernon = NR 68 A 09 22:00:43 2015 = UIZQY STOPB XIZLL BIGME SPZSG ...	CW	(MPJ)
8016	M51	12-4	1312	Sun	French Mil Intel = NR 15 A 08 15:13:04 2015 = LACBI PLINU //9213 kHz	CW	(Danix)
9213	M51	12-4	1312	Sun	French Mil Intel = NR 15 A 08 15:13:04 2015 = LACBI PLINU //8016 kHz	CW	(Danix)
8016	M51	12-4	1859	Sun	French CSTEI, FaviÞres/Vernon = NR 72 A 08 21:01:01 2015 = SQFPC ERQTI EFTJV HOEJU KHKFD ...	CW	(MPJ)
7437	M51	14-4	1416	Tue	French Mil Intel = NR 31 A 14 16:16:15 2015 = BHEFB HDSFT //6853 kHz	CW	(Danix)
6853	M51	14-4	1416	Tue	French Mil Intel = NR 31 A 14 16:16:15 2015 = BHEFB HDSFT //7437 kHz	CW	(Danix)
8016	M51	14-4	1721	Tue	French Mil Intel = NR 62 A 14 19:22:05 2015 = QPHAQ //9213 kHz	CW	(Danix)
9213	M51	14-4	1721	Tue	French Mil Intel = NR 62 A 14 19:22:05 2015 = QPHAQ //8016 kHz	CW	(Danix)
9213	M51	21-4	1249	Tue	French MIL Intel via CNMO TSR FaviÞres-Vernon NR 16 A 21 14:49:46 2015 = QWNXD FIKSD //7437 kHz	CW	(Danix)
7437	M51	21-4	1249	Tue	French MIL Intel via CNMO TSR FaviÞres-Vernon NR 16 A 21 14:49:46 2015 = QWNXD FIKSD //9213 kHz	CW	(Danix)

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3881	M51	22-4	1448	Wed	French Mil. Intel via CNMO TSR FaviÞres-Vernon: NR 82 A 22 16:48:54 2015 = DAGZL NTBLD //6825 kHz	CW	(Danix)
6825	M51	22-4	1448	Wed	French Mil. Intel via CNMO TSR FaviÞres-Vernon: NR 82 A 22 16:48:54 2015 = DAGZL NTBLD //3881 kHz	CW	(Danix)
9224	M51	22-4	1529	Wed	French Mil. Intel via CNMO TSR FaviÞres-Vernon: NR 89 A 22 17:30:09 2015 = NXWDY VALHG //9257 kHz	CW	(Danix)
9257	M51	22-4	1529	Wed	French Mil. Intel via CNMO TSR FaviÞres-Vernon: NR 89 A 22 17:30:09 2015 = NXWDY VALHG //9224 kHz	CW	(Danix)
3881	M51	23-4	2133	Thu	French Mil. Intel via CNMO TSR FaviÞres-Vernon: NR 18 A 23 23:33:48 2015 = MQMHS MACXI //6825 kHz	CW	(Danix)
6825	M51	23-4	2133	Thu	French Mil. Intel via CNMO TSR FaviÞres-Vernon: NR 18 A 23 23:33:48 2015 = MQMHS MACXI //3881 kHz	CW	(Danix)
3881	M51	27-4	0711	Mon	French MIL Intel via CNMO TSR FaviÞres-Vernon: NR 18 A 27 09:11:08 2015 = SFWXP WWBYF //6825 kHz	CW	(Danix)
6825	M51	27-4	0711	Mon	French MIL Intel via CNMO TSR FaviÞres-Vernon: NR 18 A 27 09:11:08 2015 = SFWXP WWBYF //3881 kHz	CW	(Danix)
6825	M51	30-4	1413	Thu	French MIL Intel via CNMO TSR FaviÞres-Vernon: NR 35 A 30 16:14:30 2015 = ... JCWUO //3881 kHz	CW	(Danix)
3881	M51	30-4	1413	Thu	French MIL Intel via CNMO TSR FaviÞres-Vernon: NR 35 A 30 16:14:30 2015 = ... JCWUO //6825 kHz	CW	(Danix)
9213	M51	30-4	1444	Thu	French MIL Intel via CNMO TSR FaviÞres-Vernon: NR 40 A 30 16:45:38 2015 = JFPFF WAJPF //7529 kHz	CW	(Danix)
7529	M51	30-4	1444	Thu	French MIL Intel via CNMO TSR FaviÞres-Vernon: NR 40 A 30 16:45:38 2015 = JFPFF WAJPF //9213 kHz	CW	(Danix)
5801	M89	1-4	1058	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	1-4	1058	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5644	M89	1-4	1110	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3330	M89	1-4	1111	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	1-4	1112	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	1-4	1112	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5555	M89	1-4	1117	Wed	(i.p. DATE 0331 / 777N/1.83 ..KN 198./1KCB (see N&O 211)	CW	(JPL)
3642	M89	1-4	1704	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	1-4	1704	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3777	M89	1-4	1707	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	1-4	1707	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	1-4	1708	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3330	M89	1-4	1711	Wed	i.p. III = UTNA	CW	(JPL)
6840	M89	1-4	1720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	1-4	1720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
4131	M89	1-4	1723	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10180	M89	2-4	0953	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	2-4	0953	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10947	M89	2-4	0955	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
8527	M89	2-4	0957	Thu	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6456	CW	(JPL)
6456	M89	2-4	1000	Thu	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8527	CW	(JPL)
5177	M89	2-4	1136	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5644	M89	2-4	1138	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
8084	M89	2-4	1140	Thu	i.p. NR 52 CK 99 74 0402 1941 RMKS 0635 TO 5...K	CW	(JPL)
3330	M89	2-4	1601	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	2-4	1604	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	2-4	1604	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	2-4	1606	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3695	M89	2-4	1610	Thu	(i.p. 27 0403 0010 RMKS 2254 TO 2878 K	CW	(JPL)
4131	M89	2-4	1633	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5644	M89	2-4	1639	Thu	i.p QSL? HR WK NR 03 V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3642	M89	2-4	1650	Thu	V DGG6 (x3) DE 3A7D (x2)	CW	(JPL)
3642	M89	2-4	2232	Thu	V DGG6 (x3) DE 3A7D (x2)	CW	(JPL)
4860	M89	3-4	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	3-4	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	3-4	1426	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	3-4	1427	Fri	V DGG6 (x3) DE 3A7D (x2)	CW	(JPL)
4532	M89	3-4	1428	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	3-4	1428	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	3-4	1429	Fri	V DKSL (x3) DE ALSK (x2)	CW	(JPL)

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4225	M89	3-4	1430	Fri	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5177	M89	3-4	1434	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
3891	M89	3-4	1437	Fri	i.p. T635 664d 7575 4D3T 3UN7	CW	(JPL)
8110	M89	4-4	0146	Sat	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5177	M89	4-4	0151	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10180	M89	4-4	0155	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	4-4	0155	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
8527	M89	4-4	0157	Sat	CQ (x3) DE DP91 (x2) V //6456	CW	(JPL)
6456	M89	4-4	0159	Sat	CQ (x3) DE DP91 (x2) V N4FM5 DP91 HR NIL SK GB //8527	CW	(JPL)
8110	M89	4-4	0742	Sat	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
10180	M89	4-4	0748	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
6840	M89	4-4	0820	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	4-4	0820	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
8110	M89	4-4	0825	Sat	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5801	M89	4-4	0831	Sat	V DKG6 (x3) DE 3A7D (x2) Roundslip is back to normal //10180	CW	(JPL)
10180	M89	4-4	0831	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
7901	M89	4-4	0836	Sat	i.p. N54N5 N547 T3AT5 UTD5 3T4N 7DAT	CW	(JPL)
3330	M89	4-4	1446	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	4-4	1448	Sat	V DGG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	4-4	1448	Sat	V DGG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4225	M89	4-4	1449	Sat	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5644	M89	4-4	1451	Sat	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3777	M89	4-4	1459	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	4-4	1459	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3642	M89	4-4	1500	Sat	V DGG6 (x3) DE 3A7D (x2)	CW	(JPL)
3777	M89	4-4	1502	Sat	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
3330	M89	4-4	1503	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3330	M89	5-4	1330	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	5-4	1331	Sun	V DGG6 (x3) DE 3A7D (x2)	CW	(JPL)
4532	M89	5-4	1332	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	5-4	1332	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4225	M89	5-4	1334	Sun	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5644	M89	5-4	1335	Sun	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3642	M89	5-4	1340	Sun	V DGG6 (x3) DE 3A7D (x2)	CW	(JPL)
3330	M89	5-4	2049	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	5-4	2051	Sun	V DGG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	5-4	2051	Sun	V DGG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4532	M89	5-4	2053	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	5-4	2053	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4225	M89	5-4	2054	Sun	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
4131	M89	5-4	2056	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5644	M89	5-4	2101	Sun	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10180	M89	6-4	0834	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	6-4	0834	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
5500	M89	6-4	1510	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
3777	M89	6-4	1512	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5644	M89	6-4	1513	Mon	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4860	M89	6-4	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	6-4	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	6-4	1657	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	6-4	1659	Mon	V DGG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	6-4	1659	Mon	V DGG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3777	M89	6-4	1700	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
4131	M89	6-4	1705	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5644	M89	6-4	1708	Mon	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4225	M89	6-4	1717	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
3330	M89	6-4	2026	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	6-4	2026	Mon	V DGG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	6-4	2026	Mon	V DGG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4225	M89	6-4	2028	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
4532	M89	6-4	2030	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	6-4	2030	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)

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5644	M89	6-4	2031	Mon	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
8110	M89	7-4	0033	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
6741	M89	7-4	0033	Tue	i.p. AR K. OK HR WK NR 18 K. R RPT K. R GA K	CW	(JPL)
7602	M89	7-4	0053	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10180	M89	7-4	0951	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	7-4	0951	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
6845	M89	7-4	1005	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845 - Same frequency	CW	(JPL)
5566	M89	7-4	1019	Tue	i.p. III = DA75 5A6A 5T63 7533 3456 74DD	CW	(JPL)
3330	M89	7-4	1114	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	7-4	1115	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	7-4	1115	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	7-4	1117	Tue	V DKIL (x3) DE ALSK (x2) (sends DKIL vice DKSL)	CW	(JPL)
5644	M89	7-4	1117	Tue	i.p. QSWL162000KW 0825 AR QSL ? HR TK NR EEEEE HR WK NR 31 K	CW	(JPL)
10640	M89	7-4	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	7-4	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
4225	M89	7-4	1126	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5566	M89	7-4	1129	Tue	i.p. 5D6N 3DA3 DA56 4636 AR K	CW	(JPL)
8073	M89	7-4	1140	Tue	VVV BNGC (x3) DE XSV85 (x2) (see N&O 211)	CW	(JPL)
5177	M89	7-4	1209	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5134	M89	7-4	1210	Tue	i.p. TDD6 DN54 N443 36A5 3NA3 K. QSL K. 80 15 K. SK	CW	(JPL)
8032	M89	7-4	1218	Tue	i.p. 7DU3 656A D3TA NUD7 TA76 TT43 6UA3 (see N&O 211)	CW	(JPL)
3330	M89	7-4	1634	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	7-4	1636	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	7-4	1636	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4225	M89	7-4	1638	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
4532	M89	7-4	1638	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	7-4	1638	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	7-4	1640	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3642	M89	7-4	1755	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	7-4	1755	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
5644	M89	7-4	1757	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4131	M89	7-4	1758	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
6845	M89	8-4	1002	Wed	CQ (x3) DE DP91 (x2) V //8858	CW	(JPL)
8858	M89	8-4	1005	Wed	CQ (x3) DE DP91 (x2) V LSN ALL LL TO HR. PSE ALL LL TO HR //6845	CW	(JPL)
3330	M89	8-4	1715	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	8-4	1717	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	8-4	1717	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3777	M89	8-4	1719	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	8-4	1719	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
4860	M89	8-4	1720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	8-4	1720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
5644	M89	8-4	1726	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4131	M89	8-4	1836	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
3330	M89	8-4	2015	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	8-4	2016	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	8-4	2016	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4532	M89	8-4	2018	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	8-4	2018	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4131	M89	8-4	2019	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4860	M89	8-4	2020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	8-4	2020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
5644	M89	8-4	2024	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
14350	M89	9-4	0938	Thu	i.p. 73T6 4U53 N7DA 5ATD (see N&O 211)	CW	(JPL)
6845	M89	9-4	0957	Thu	CQ (x3) DE DP91 (x2) V DP4091 DP4091 DP4091 DE N //8858	CW	(JPL)
8858	M89	9-4	0957	Thu	CQ (x3) DE DP91 (x2) V NIL SK GB //6845	CW	(JPL)
10180	M89	9-4	1016	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	9-4	1016	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
9131	M89	9-4	1019	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
6840	M89	9-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	9-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
9131	M89	9-4	1109	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10180	M89	9-4	1110	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
3777	M89	9-4	1113	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
3330	M89	9-4	1115	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10640	M89	9-4	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	9-4	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
8073	M89	9-4	1138	Thu	VVV BNGC (x3) DE XSV85 (x2) (see N&O 211)	CW	(JPL)
3642	M89	9-4	1330	Thu	i.p. R R 2W = D453 UA4T 4TU..	CW	(JPL)
3330	M89	9-4	1333	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5801	M89	9-4	1335	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	9-4	1335	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
4131	M89	9-4	1338	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4130	M89	9-4	1339	Thu	(i.p. RPT K. IEC = = 1435 AR K K (see N&O 211)	CW	(JPL)
3777	M89	9-4	1339	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5233	M89	9-4	1353	Thu	i.p. = DU3N 7D7. N3DA 5D7N 3AUT 3N73 636T	CW	(JPL)
5181	M89	9-4	1353	Thu	i.p. 4U57 3TN6 7TA6 D65N 6ND5 AR R R GA	CW	(JPL)
5231	M89	9-4	1409	Thu	i.p. III AR	CW	(JPL)
5644	M89	9-4	1412	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3330	M89	9-4	1541	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	9-4	1542	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	9-4	1542	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3777	M89	9-4	1545	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
4131	M89	9-4	1546	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
8048	M89	9-4	1554	Thu	i.p. ND3U DA37 UT.. 3T6A 3DNT 757T U7TA DTT4 AR	CW	(JPL)
4843	M89	9-4	1928	Thu	i.p. R ME MSG NR 51 CK 12 AR 74 0410 0200 RMKS ... 6 TO 5686 K	CW	(JPL)
5124	M89	9-4	1934	Thu	i.p. 36NT 75N4 N473 476A Cont'd) AR AR	CW	(JPL)
5801	M89	10-4	0151	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	10-4	0151	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
9131	M89	10-4	0153	Fri	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
8858	M89	10-4	0158	Fri	CQ (x3) DE DP91 (x2) V //6845	CW	(JPL)
6845	M89	10-4	0200	Fri	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8858	CW	(JPL)
5291	M89	10-4	1212	Fri	i.p. D7N7 D465 37N4 T743 7DU7 UUNT UN4D (see N&O 211)	CW	(JPL)
5177	M89	10-4	1212	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10180	M89	10-4	1213	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	10-4	1213	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10640	M89	10-4	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	10-4	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
3330	M89	10-4	1639	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	10-4	1643	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	10-4	1643	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3777	M89	10-4	1645	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	10-4	1645	Fri	V M8JF (x3) DE RIS9 (x2) //3642	CW	(JPL)
5644	M89	10-4	1647	Fri	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	10-4	1647	Fri	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4131	M89	10-4	1649	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4860	M89	10-4	2120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	10-4	2120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
6840	M89	10-4	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	10-4	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5588	M89	10-4	2325	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4131	M89	10-4	2327	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
8060	M89	10-4	2331	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
10947	M89	11-4	0309	Sat	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10640	M89	11-4	0320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	11-4	0320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
5801	M89	11-4	1218	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	11-4	1218	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
10640	M89	11-4	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	11-4	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
5177	M89	11-4	1223	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
6853	M89	11-4	1226	Sat	VVV HR RPT 17P HR RPT 17P HR RPT 17P = =	CW	(JPL)
3642	M89	11-4	1602	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	11-4	1602	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3777	M89	11-4	1604	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
4532	M89	11-4	1604	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3330	M89	11-4	1605	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3821	M89	11-4	1607	Sat	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	11-4	1607	Sat	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
5291	M89	11-4	1738	Sat	i.p. 11W = DTTA K. 11W = DTTA AR K (see N&O 211)	CW	(JPL)
6845	M89	13-4	0159	Mon	CQ (x3) DE DP91 (x2) V NIL SK GB //8858	CW	(JPL)
8858	M89	13-4	0201	Mon	CQ (x3) DE DP91 (x2) V NIL SK GB //6845	CW	(JPL)
9131	M89	13-4	0214	Mon	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	13-4	0214	Mon	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
5801	M89	13-4	0216	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	13-4	0216	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
10640	M89	13-4	0220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K//6840	CW	(JPL)
6840	M89	13-4	0220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K//10640	CW	(JPL)
8110	M89	13-4	0226	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
10947	M89	13-4	1043	Mon	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	13-4	1043	Mon	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
5588	M89	13-4	1046	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	13-4	1048	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	13-4	1048	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
6666	M89	13-4	1050	Mon	i.p. III = 6D3T N47U 5A6D T34N 7UA5 7UND T43A 56T7 DUNA III AR	CW	(JPL)
5555	M89	13-4	1101	Mon	i.p. 6N3T 7U3D 4... (Cont'd)	CW	(JPL)
3330	M89	13-4	1102	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5177	M89	13-4	1106	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5801	M89	13-4	1107	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	13-4	1107	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
8073	M89	13-4	1137	Mon	V BNGC (x3) DE XSV85 (x2) (see N&O 211)	CW	(JPL)
9131	M89	14-4	0152	Tue	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	14-4	0152	Tue	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
5177	M89	14-4	0154	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
7602	M89	14-4	0156	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
8858	M89	14-4	0159	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845	CW	(JPL)
6845	M89	14-4	0200	Tue	CQ (x3) DE DP91 (x2) V //8858	CW	(JPL)
6840	M89	14-4	0220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	14-4	0220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
8858	M89	14-4	0959	Tue	CQ (x3) DE DP91 (x2) V NIL SK GB	CW	(JPL)
9131	M89	14-4	1013	Tue	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	14-4	1013	Tue	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
5801	M89	14-4	1015	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	14-4	1015	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
6840	M89	14-4	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	14-4	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
8110	M89	14-4	1025	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5588	M89	14-4	1026	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	14-4	1457	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
7651	M89	14-4	1458	Tue	i.p. AR K K ... GA U GA GA K	CW	(JPL)
4131	M89	14-4	1501	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
3330	M89	14-4	1503	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4532	M89	14-4	1508	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	14-4	1508	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	14-4	1515	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
5512	M89	14-4	1628	Tue	i.p. 57N6 T..D D.7A 5U4. 65U.	CW	(JPL)
3330	M89	14-4	1802	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	14-4	1803	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	14-4	1803	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4532	M89	14-4	1804	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	14-4	1804	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4131	M89	14-4	1813	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4969	M89	14-4	1819	Tue	i.p. U55T DD4T T65D 4DAU D7AD 7TN4 DDNA (Cont'd) AR K	CW	(JPL)
3642	M89	14-4	2138	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	14-4	2138	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4131	M89	14-4	2141	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
6840	M89	15-4	0920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
10640	M89	15-4	0920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
10947	M89	15-4	0926	Wed	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	15-4	0926	Wed	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
5588	M89	15-4	0931	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
8060	M89	15-4	0933	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
14661	M89	15-4	0940	Wed	(i.p. N73. .7A43 DU3T U3A4 D.6. 73U5 45NU (Cont'd) AR TU K	CW	(JPL)
10180	M89	15-4	0948	Wed	i.p. HR MSG E VVHR MSG NR EEEEEE VVV HR MSG GA NR 028 CCK	CW	(JPL)
5801	M89	15-4	0948	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
8858	M89	15-4	0958	Wed	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845	CW	(JPL)
8858	M89	15-4	1004	Wed	CQ (x3) DE DP91 (x2) V //6845	CW	(JPL)
8858	M89	16-4	0957	Thu	CQ (x3) DE DP91 (x2) V PSE ALL LL TO HR //6845	CW	(JPL)
6845	M89	16-4	1002	Thu	CQ (x3) DE DP91 (x2) V //8858	CW	(JPL)
3330	M89	16-4	1115	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	16-4	1116	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	16-4	1116	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
6840	M89	16-4	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	16-4	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
10180	M89	16-4	1130	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
3330	M89	16-4	1347	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	16-4	1349	Thu	V DKG6 (x3) DE 3A7D (x2) //760	CW	(JPL)
7602	M89	16-4	1349	Thu	V DKG6 (x3) DE 3A7D (x2) //364	CW	(JPL)
5644	M89	16-4	1352	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4532	M89	16-4	1353	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	16-4	1353	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
3330	M89	16-4	1800	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	16-4	1806	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	16-4	1806	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3777	M89	16-4	1814	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	16-4	1814	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3821	M89	16-4	1816	Thu	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	16-4	1816	Thu	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
4131	M89	16-4	1819	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4080	M89	16-4	1820	Thu	i.p. FM 3938 K = = A437 AD5N 5NTD N75T 47DT (see N&O 211)	CW	(JPL)
4122	M89	16-4	1835	Thu	i.p. 3A6U D6A5 75U6 5D7U A736 U47U 4ND7 (see N&O 211)	CW	(JPL)
4111	M89	16-4	1842	Thu	i.p. DT43 ATD6 ADN3 UN4T AT7A AD74 (see N&O 211)	CW	(JPL)
4131	M89	16-4	2313	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10640	M89	17-4	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	17-4	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
6421	M89	17-4	0927	Fri	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	17-4	0927	Fri	V DKSL (x3) DE ALSK (x2) //6421	CW	(JPL)
5588	M89	17-4	0931	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
6793	M89	17-4	0933	Fri	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
8060	M89	17-4	0933	Fri	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
5801	M89	17-4	0946	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	17-4	0946	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
8858	M89	17-4	0954	Fri	CQ (x3) DE DP91 (x2) V NIL SK NB //6845	CW	(JPL)
6845	M89	17-4	1000	Fri	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8858	CW	(JPL)
3330	M89	17-4	1414	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4532	M89	17-4	1416	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	17-4	1416	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	17-4	1418	Fri	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
6840	M89	17-4	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	17-4	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	17-4	1437	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	17-4	1439	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	17-4	1439	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4131	M89	17-4	1442	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4532	M89	17-4	1445	Fri	V M8JF (x3) DE RIS9 (x2) //3777 FRI	CW	(JPL)
3777	M89	17-4	1445	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5566	M89	17-4	1449	Fri	i.p. 465A UAN5 45TT 336U 4346 D76U T4D3 (see N&O 211)	CW	(JPL)
8073	M89	18-4	1138	Sat	V BNGC (x3) DE XSV85 (x2) (see N&O 211)	CW	(JPL)
6840	M89	18-4	1720	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
3330	M89	18-4	1720	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10180	M89	19-4	1058	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	19-4	1058	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
9131	M89	19-4	1108	Sun	V DKSL (x3) DE ALSK (x2) //6421	CW	(JPL)
6421	M89	19-4	1108	Sun	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
8888	M89	19-4	1110	Sun	i.p. 5B6 RSEEEEE R HR IEC = 4928 AR K. HR IEC = 4965 AR K	CW	(JPL)
3642	M89	19-4	2027	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
3330	M89	19-4	2035	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	19-4	2041	Sun	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
4131	M89	19-4	2044	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5644	M89	19-4	2045	Sun	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	19-4	2045	Sun	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
3777	M89	19-4	2046	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	19-4	2046	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3642	M89	19-4	2047	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	19-4	2047	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
8858	M89	21-4	0200	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845	CW	(JPL)
6845	M89	21-4	0201	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8858	CW	(JPL)
10180	M89	21-4	0214	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	21-4	0214	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10640	M89	21-4	0220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
8110	M89	21-4	0224	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
9131	M89	21-4	0953	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10180	M89	21-4	0954	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	21-4	0954	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
6845	M89	21-4	0957	Tue	CQ (x3) DE DP91 (x2) V //8858	CW	(JPL)
8858	M89	21-4	0957	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845	CW	(JPL)
3330	M89	21-4	1501	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4532	M89	21-4	1504	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	21-4	1504	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
6840	M89	21-4	1520	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	21-4	1520	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
4860	M89	21-4	1720	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	21-4	1720	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	21-4	1725	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	21-4	1727	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	21-4	1727	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4131	M89	21-4	1736	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
3821	M89	21-4	2045	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	21-4	2045	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
7602	M89	22-4	0025	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
9131	M89	22-4	0026	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4131	M89	22-4	0035	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10180	M89	22-4	0952	Wed	i.p. SVC GA NR 130 1745 FM 1359 TO 10.. = .329 COMM/1840/RZ985 A9/1347/1061 AR	CW	(JPL)
8858	M89	22-4	0957	Wed	CQ (x3) DE DP91 (x2) V NIL SK GB //6845	CW	(JPL)
6845	M89	22-4	0959	Wed	CQ (x3) DE DP91 (x2) V //8858	CW	(JPL)
3330	M89	22-4	1015	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7777	M89	22-4	1017	Wed	(i.p. NIL GB SK HR 7G EEEE HR 7G GA 7G	CW	(JPL)
10640	M89	22-4	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	22-4	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
3642	M89	22-4	1630	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5644	M89	22-4	1631	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3777	M89	22-4	1632	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	22-4	1632	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3330	M89	22-4	2105	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	22-4	2106	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	22-4	2106	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4532	M89	22-4	2107	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	22-4	2107	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	22-4	2108	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4131	M89	22-4	2230	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
3330	M89	23-4	1440	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	23-4	1442	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	23-4	1442	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	23-4	1444	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
7602	M89	23-4	1446	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	23-4	1446	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	23-4	2318	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	23-4	2318	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
6840	M89	23-4	2320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	23-4	2320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
9131	M89	23-4	2324	Thu	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	23-4	2324	Thu	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
4131	M89	23-4	2338	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10947	M89	24-4	0914	Fri	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	24-4	0914	Fri	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
8060	M89	24-4	0916	Fri	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
6793	M89	24-4	0916	Fri	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
10640	M89	24-4	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	24-4	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10180	M89	24-4	0928	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	24-4	0928	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10859	M89	24-4	0939	Fri	i.p. R RPT 63W TO 64W K. R RPT 72W K. R RPT 76W K	CW	(JPL)
10947	M89	24-4	0949	Fri	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	24-4	0949	Fri	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
8858	M89	24-4	0957	Fri	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845	CW	(JPL)
6845	M89	24-4	0958	Fri	CQ (x3) DE DP91 (x2) V //8858	CW	(JPL)
3330	M89	24-4	1226	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4532	M89	24-4	1228	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
3821	M89	24-4	1230	Fri	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	24-4	1230	Fri	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
8888	M89	24-4	1230	Fri	i.p. LTYAOIRZPHNXMA PT4XEQUIKFM K (see N&O 211)	CW	(JPL)
10180	M89	24-4	1242	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5177	M89	24-4	1354	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5780	M89	24-4	1602	Fri	i.p. 3576 7DD7 5755 5D63 T6NA (see N&O 211)	CW	(JPL)
10180	M89	24-4	1613	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	24-4	1613	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
4131	M89	25-4	0002	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10180	M89	25-4	0023	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	25-4	0023	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
6840	M89	25-4	0920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	25-4	0920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
9131	M89	25-4	0926	Sat	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
6793	M89	25-4	0929	Sat	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
8060	M89	25-4	0929	Sat	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
5801	M89	25-4	0934	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	25-4	0934	Sat	VV HR SVC GA NR 249 1745 RMKS 1349 TO 1017/1329 =	CW	(JPL)
8858	M89	25-4	0956	Sat	CQ (x3) DE DP91 (x2) V //6845	CW	(JPL)
6845	M89	25-4	0958	Sat	CQ (x3) DE DP91 (x2) V //8858	CW	(JPL)
5801	M89	28-4	0952	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	28-4	0952	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
8858	M89	28-4	0957	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845	CW	(JPL)
6845	M89	28-4	1001	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8858	CW	(JPL)
10947	M89	28-4	1011	Tue	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	28-4	1011	Tue	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
7602	M89	28-4	1739	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	28-4	1739	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3777	M89	28-4	1741	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	28-4	1741	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3821	M89	28-4	1743	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4131	M89	28-4	1744	Tue	V JKDJ (x3) DE SLBC (x2) //N/H	CW	(JPL)
10947	M89	28-4	2330	Tue	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	28-4	2330	Tue	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
3330	M89	29-4	1830	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	29-4	1834	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	29-4	1834	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4532	M89	29-4	1835	Wed	i.p. D4A7 5UTN DN6N 34D6 6635 TTUN TN77 AR //3777	CW	(JPL)
3777	M89	29-4	1835	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
3821	M89	29-4	1838	Wed	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	29-4	1838	Wed	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
4131	M89	29-4	1842	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4272	M89	29-4	1843	Wed	i.p. TTTN DNAN AD5T 7T3N 635A 4N63 AR K. R R R R	CW	(JPL)
4860	M89	29-4	2220	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	29-4	2220	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
7602	M89	29-4	2226	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	29-4	2226	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
5644	M89	29-4	2227	Wed	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	29-4	2227	Wed	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4131	M89	29-4	2228	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
8858	M89	30-4	0958	Thu	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845	CW	(JPL)
6845	M89	30-4	0959	Thu	CQ (x3) DE DP91 (x2) V H NIL SK GB //6845	CW	(JPL)
10180	M89	30-4	1016	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	30-4	1016	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10947	M89	30-4	1018	Thu	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	30-4	1018	Thu	i.p. LZ73. /0./..HR WK NR 31 //10947	CW	(JPL)
6840	M89	30-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	30-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	30-4	1820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	30-4	1820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	30-4	1826	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5500	M89	30-4	1830	Thu	i.p. HR CQ A HR CQ GA HR CQ GA (Fsee N&O 211)	CW	(JPL)
4532	M89	30-4	1838	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	30-4	1838	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
7602	M89	30-4	1839	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	30-4	1839	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4131	M89	30-4	1844	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4857	M89	30-4	1847	Thu	V TY9D (x3) DE EPX2 (x2) V	CW	(JPL)
5632	M89	30-4	1853	Thu	i.p. III AU53 6NAD TU3N 5436 7AU5 U54A NA6T (Cont'd) III	CW	(JPL)
4131	M89	30-4	2328	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
6421	M89	30-4	2334	Thu	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	30-4	2334	Thu	V DKSL (x3) DE ALSK (x2) //6421	CW	(JPL)
3642	M89	30-4	2338	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	30-4	2338	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
8060	M89	30-4	2340	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
20047.9	MX	3-4	0939	Fri	Beacon "S" Sevoromorsk	CW	(AB)
20048	MX	3-4	0939	Fri	Beacon "C" Moscow	CW	(AB)
16331.7	MX	3-4	0939	Fri	Beacon "D" Sevastopol	CW	(AB)
16332	MX	3-4	0939	Fri	Beacon "C" Moscow	CW	(AB)
16331.9	MX	3-4	0939	Fri	Beacon "S" Sevoromorsk	CW	(AB)
13527.7	MX	3-4	0940	Fri	Beacon "D" Sevastopol	CW	(AB)
13527.9	MX	3-4	0940	Fri	Beacon "S" Sevoromorsk	CW	(AB)
13528	MX	3-4	0940	Fri	Beacon "C" Moscow	CW	(AB)
8494.7	MX	3-4	0940	Fri	Beacon "D" Sevastopol	CW	(AB)
10871.9	MX	3-4	0942	Fri	Beacon "S" Sevoromorsk	CW	(AB)
10872	MX	3-4	0942	Fri	Beacon "C" Moscow	CW	(AB)
7038.9	MX	3-4	1608	Fri	Beacon "S" Sevoromorsk	CW	(AB)
8494.9	MX	3-4	1608	Fri	Beacon "S" Sevoromorsk	CW	(AB)
7038.7	MX	3-4	1608	Fri	Beacon "D" Sevastopol	CW	(AB)
8495	MX	3-4	1608	Fri	Beacon "C" Moscow	CW	(AB)
5153.7	MX	4-4	1608	Sat	Beacon "D" Sevastopol	CW	(AB)
5153.9	MX	4-4	1608	Sat	Beacon "S" Sevoromorsk	CW	(AB)
16009	POL	3-4	0535	Fri	Polish Intel.	FSK 100/625	(AB)
10246	POL	3-4	0655	Fri	Polish Intel.	FSK 100/625	(AB)
10246	POL	3-4	0700	Fri	Polish Intel.	FSK 100/625	(AB)
7371	POL	3-4	0900	Fri	Polish Intel.	FSK 100/625	(AB)

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7371	POL	3-4	0905	Fri	Polish Intel.	FSK 100/625	(AB)
6906	POL	6-4	0800	Mon	Polish intel. Msg	FSK 100/625	(AB)
6906	POL	6-4	0805	Mon	Polish intel. Msg	FSK 100/625	(AB)
16005	POL	8-4	0530	Wed	Polish Intel.	FSK 100/625	(AB)
16005	POL	8-4	0535	Wed	Polish Intel.	FSK 100/625	(AB)
9339	POL	8-4	0845	Wed	Polish Intel.	FSK 100/625	(AB)
9339	POL	8-4	0850	Wed	Polish Intel.	FSK 100/625	(AB)
5358	POL	8-4	1305	Wed	Polish Intel.	FSK 100/625	(AB)
5358	POL	8-4	1310	Wed	Polish Intel.	FSK 100/625	(AB)
10256	POL	10-4	0655	Fri	Polish Intel.	FSK 100/625	(AB)
10256	POL	10-4	0700	Fri	Polish Intel.	FSK 100/625	(AB)
10728	POL	14-4	0630	Tue	Polish Intel.	FSK 100/625	(AB)
10728	POL	14-4	0635	Tue	Polish Intel.	FSK 100/625	(AB)
10246	POL	17-4	0655	Fri	Polish Intel. Msg	FSK 100/625	(AB)
10246	POL	17-4	0700	Fri	Polish Intel. Msg	FSK 100/625	(AB)
7371	POL	17-4	0900	Fri	Polish Intel.	FSK 100/625	(AB)
7371	POL	17-4	0905	Fri	Polish Intel.	FSK 100/625	(AB)
9431	POL	17-4	1005	Fri	Polish Intel.	FSK 100/625	(AB)
9431	POL	17-4	1010	Fri	Polish Intel.	FSK 100/625	(AB)
6905	POL	20-4	0800	Mon	Polish Intel. Null msg	FSK 100/625	(AB)
6905	POL	20-4	0805	Mon	Polish Intel. Null msg	FSK 100/625	(AB)
10246	POL	21-4	0655	Tue	Polish Intel. Null msg	FSK 100/625	(AB)
10246	POL	21-4	0700	Tue	Polish Intel. Null msg	FSK 100/625	(AB)
14753	POL	21-4	0700	Tue	Polish Intel.	FSK 100/625	(AB)
7371	POL	21-4	0900	Tue	Polish Intel.	FSK 100/625	(LA6LU)
7371	POL	21-4	0905	Tue	Polish Intel.	FSK 100/625	(LA6LU)
9431	POL	21-4	1005	Tue	Polish Intel.	FSK 100/625	(LA6LU)
9431	POL	21-4	1010	Tue	Polish Intel.	FSK 100/625	(LA6LU)
16005	POL	22-4	0535	Wed	Polish Intel. Null msg	FSK 100/625	(AB)
9339	POL	22-4	0850	Wed	Polish Intel.	FSK 100/625	(AB)
7407	POL	22-4	1035	Wed	Polish Intel. Null msg	FSK 100/625	(AB)
15632	POL	22-4	1145	Wed	Polish Intel. Msg	FSK 100/625	(AB)
5358	POL	22-4	1305	Wed	Polish Intel. Msg	FSK 100/625	(AB)
10728	POL	23-4	0630	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
10728	POL	23-4	0635	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14753	POL	23-4	0730	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14753	POL	23-4	0735	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15905	POL	23-4	1000	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15905	POL	23-4	1005	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15632	POL	23-4	1140	Thu	0217 88888 88888 92075 19695 28465 ... 28035 66739 68114 88888 88888 00042 00042	FSK 100/625	(AB)
15632	POL	23-4	1145	Thu	0217 88888 88888 92075 19695 28465 ... 28035 66739 68114 88888 88888 00042 00042	FSK 100/625	(AB)
16005	POL	24-4	0530	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16005	POL	24-4	0535	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
10246	POL	24-4	0655	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
10246	POL	24-4	0700	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7371	POL	24-4	0900	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7371	POL	24-4	0905	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB/LA6LU)
9431	POL	24-4	1005	Fri	0675 88888 88888 33534 84834 30856 ... 01525 81035 49938 88888 88888 00039 00039	FSK 100/625	(AB)

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9431	POL	24-4	1010	Fri	0675 88888 88888 33534 84834 30856 ... 01525 81035 49938 88888 88888 00039 00039	FSK 100/625	(AB)
6906	POL	27-4	0800	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6906	POL	27-4	0805	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
9339	POL	27-4	0850	Mon	0353 88888 88888 06935 74266 91377 ... 43688 47368 53429 88888 88888 00034 00034	FSK 100/625	(AB)
9339	POL	27-4	0855	Mon	0353 88888 88888 06935 74266 91377 ... 43688 47368 53429 88888 88888 00034 00034	FSK 100/625	(AB)
15905	POL	27-4	1000	Mon	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15905	POL	27-4	1005	Mon	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
5358	POL	27-4	1005	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
5358	POL	27-4	1010	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15632	POL	27-4	1530	Mon	Polish Intel.	FSK 100/625	(AB)
10728	POL	28-4	0630	Tue	0574 0574 0574 0574 0574 00000 0000000000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
10728	POL	28-4	0635	Tue	0574 0574 0574 0574 0574 00000 0000000000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
10246	POL	28-4	0655	Tue	0684 0684 0684 0684 0684 00000 0000000000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
10246	POL	28-4	0700	Tue	0684 0684 0684 0684 0684 00000 0000000000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14753	POL	28-4	0730	Tue	0433 0433 0433 0433 0433 00000 0000000000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14753	POL	28-4	0735	Tue	0433 0433 0433 0433 0433 00000 0000000000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7371	POL	28-4	0900	Tue	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7371	POL	28-4	0905	Tue	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
9431	POL	28-4	1005	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
9431	POL	28-4	1010	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7407	POL	28-4	1030	Tue	0325 88888 88888 72193 97210 29697 ... 29676 44533 37256 88888 88888 00039 00039	FSK 100/625	(AB)
16005	POL	29-4	0530	Wed	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16005	POL	29-4	0535	Wed	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
9339	POL	29-4	0845	Wed	0353 88888 88888 06935 74266 91377 ... 43688 47368 53429 88888 88888 00034 00034	FSK 100/625	(AB)
9339	POL	29-4	0850	Wed	0353 88888 88888 06935 74266 91377 ... 43688 47368 53429 88888 88888 00034 00034	FSK 100/625	(AB)
7407	POL	29-4	1030	Wed	0325 88888 88888 72193 97210 29697 ... 29676 44533 37256 88888 88888 00039 00039	FSK 100/625	(AB)
7407	POL	29-4	1035	Wed	0325 88888 88888 72193 97210 29697 ... 29676 44533 37256 88888 88888 00039 00039	FSK 100/625	(AB)
15632	POL	29-4	1140	Wed	0217 0217 0217 0217 0217 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15632	POL	29-4	1145	Wed	0217 0217 0217 0217 0217 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
5358	POL	29-4	1305	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
5358	POL	29-4	1310	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
10125	POL	29-4	1610	Wed	0797 0797 0797 0797 0797 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
10125	POL	29-4	1615	Wed	0797 0797 0797 0797 0797 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
10728	POL	30-4	0630	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
10728	POL	30-4	0635	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14753	POL	30-4	0730	Thu	0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
14753	POL	30-4	0735	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6906	POL	30-4	0800	Thu	0434 0434 0434 0434 0324 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
6906	POL	30-4	0805	Thu	0434 0434 0434 0434 0324 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15905	POL	30-4	1000	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15905	POL	30-4	1005	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15632	POL	30-4	1140	Thu	0217 0217 0217 0217 0217 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
15632	POL	30-4	1145	Thu	0217 0217 0217 0217 0217 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8803	POL	30-4	1305	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
8803	POL	30-4	1310	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
16318	S06	3-4	0930	Fri	Barely audible	USB	(AB)
9906	S06	3-4	1900	Fri	392 392 392 00000	USB	(AB)
6819	S06	4-4	1605	Sat	491 0	USB	(HFD)
19144	S06	6-4	1020	Mon	216 389 57 23737 60325 75005 ... 44157 58594 39208 389 57 00000	USB	(AB)
22892	S06	7-4	1136	Tue	i.p. 390 641 52 86777 42434 45640 ... 15159 73757 78369 641 52 00000	AM	(MCO)
9906	S06	17-4	1900	Fri	392 0	USB	(HFD)
7512	S06	17-4	2000	Fri	392 0	USB	(HFD)
5124	S06	18-4	1900	Sat	738 0	USB	(HFD)
4458	S06	18-4	2000	Sat	738 0	USB	(HFD)
15721	S06	28-4	0400	Tue	480 173 60 43770 26515 64546 89920 86366 ...	USB	(AB)
5744	S06s	2-4	0900	Thu	624	USB	(HFD)
5744	S06s	2-4	0900	Thu	624 893 5 33800 39231 39203 35239 80543 893 5 00000	USB	(AB)
12952	S06s	2-4	0900	Thu	167 942 5 33639 49162 38232 31416 39337 942 5 00000	USB	(AB)
6524	S06s	2-4	0910	Thu	624 893 5 33800 39231 39203 35239 80543 893 5 00000	USB	(AB)
13565	S06s	2-4	0910	Thu	167 942 5 33639 49162 38232 31416 39337 942 5 00000	USB	(AB)
6524	S06s	2-4	0910	Thu	624 893 5 33800	USB	(HFD)
9081	S06s	2-4	0930	Thu	314 905 6 32939 43631 32939 31096 35264 39240 905 6 00000	USB	(AB)
10514	S06s	2-4	0940	Thu	314 905 6 32939 43631 32939 31096 35264 39240 905 6 00000	USB	(AB)
6930	S06s	3-4	0800	Fri	278 953 6 18969 84008 83450 42868 26318 36534 953 6 00000	USB	(AB)
7755	S06s	3-4	0810	Fri	278 953 6 18969 84008 83450 42868 26318 36534 953 6 00000	USB	(AB)
12140	S06s	3-4	0930	Fri	516 408 7 44531 34657 38307 56478 33654 32076 88435 408 7 00000	AM	(AB)
13515	S06s	3-4	0940	Fri	516 408 7 44531 34657 38307 56478 33654 32076 88435 408 7 00000	AM	(AB)
9220	S06s	6-4	0830	Mon	371 985 5 83727 94739 02818 43878 87193 985 5 00000	USB	(AB)
8270	S06s	6-4	0840	Mon	371 985 5 83727 94739 02818 43878 87193 985 5 00000	USB	(AB)
14580	S06s	6-4	0900	Mon	872 934 5 77564 68557 55851 93201 63176 934 5 00000	USB	(AB)
13165	S06s	6-4	0910	Mon	872 934 5 77564 68557 55851 93201 63176 934 5 00000	USB	(AB)
8630	S06s	8-4	0820	Wed	471 523 6 33796 13577 74526 46647 79302 53516 523 6 00000	USB	(AB)
9255	S06s	8-4	0830	Wed	471 523 6 33796 13577 74526 46647 79302 53516 523 6 00000	USB	(AB)
11854	S06s	8-4	0830	Wed	745 236 8 52401 63919 92699 14600 74248 48754 54125 84648 236 8 00000	AM	(AB)
12140	S06s	8-4	0845	Wed	745 236 8 52401 63919 92699 14600 74248 48754 54125 84648 236 8 00000	AM	(AB)
15855	S06s	14-4	0600	Tue	438 571 6 52501 53919 92699 14600 74248 48754 571 6 00000	USB	(AB)
7795	S06s	17-4	0600	Fri	196 403 5 34031 33430 48536 84906 85518 403 5 00000	USB	(AB)
7795	S06s	17-4	0600	Fri	196 403 5 34031	USB	(HFD)
8695	S06s	17-4	0610	Fri	196 403 5 34031 33430 48536 84906 85518 403 5 00000	USB	(AB)
8695	S06s	17-4	0610	Fri	196	USB	(HFD)
8270	S06s	20-4	0840	Mon	371 286 5 47769 54491 16564 91098 49243 286 5 00000	USB	(AB)
9144	S06s	20-4	1200	Mon	831 469 5 04868 44645 54958 80316 16556 469 5 00000	AM	(AB)
11460	S06s	20-4	1210	Mon	831 469 5 04868 44645 54958 80316 16556 469 5 00000	AM	(AB)
6340	S06s	21-4	1005	Tue		USB	(LA6LU)
6464	S06s	21-4	1500	Tue	537 812 6 37938 42112 43936 40252 44073 85753 812 6 00000	USB	(AB/LA6LU)
7242	S06s	21-4	1510	Tue	537 812 6 37938 42112 43936 40252 44073 85753 812 6 00000	USB	(AB/LA6LU)
11854	S06s	22-4	0830	Wed	745 832 6 40398 85417 38448 33485 42331 31859 832 6 00000	AM	(AB)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
12140	S06s	22-4	0840	Wed	745 832 6 40398 85417 38448 33485 42331 31859 832 6 00000	AM	(AB)
7795	S06s	24-4	0600	Fri	196 403 5 34031 33430 48536 84906 85518 403 5 00000	USB	(AB)
8695	S06s	24-4	0610	Fri	196 403 5 34031 33430 48536 84906 85518 403 5 00000	USB	(AB)
12140	S06s	24-4	0930	Fri	516 498 7 43337 89152 46544 36478 31318 36184 37650 498 7 00000	USB	(LA6LU)
13515	S06s	24-4	0940	Fri	516 498 7 43337 89152 46544 36478 31318 36184 37650 498 7 00000	USB	(LA6LU)
9220	S06s	27-4	0830	Mon	371 286 5 47769 54491 16564 91098 49243 286 5 00000	USB	(AB)
8270	S06s	27-4	0840	Mon	371 286 5 47769 54491 16564 91098 49243 286 5 00000	USB	(AB)
13165	S06s	27-4	0910	Mon	872 401 5 52341 17788 89585 82893 ... 401 5 00000	USB	(AB)
15855	S06s	28-4	0600	Tue	438 297 5 15657 17985 62210 22309 70158 297 5 00000	USB	(AB)
16485	S06s	28-4	0610	Tue	438 297 5 15657 17985 62210 22309 70158 297 5 00000	USB	(AB)
5760	S06s	28-4	0700	Tue	374 209 5 81269 40276 38140 43355 40515 209 5 00000	USB	(AB)
6930	S06s	28-4	0715	Tue	374 209 5 81269 40276 38140 43355 40515 209 5 00000	USB	(AB)
7425	S06s	28-4	0730	Tue	427 958 6 44988 37970 30283 36889 34422 38077 958 6 00000	USB	(AB)
11560	S06s	28-4	0740	Tue	427 958 6 44988 37970 30283 36889 34422 38077 958 6 00000	USB	(AB)
11635	S06s	28-4	0800	Tue	325 497 6 34331 33212 36439 88359 44833 32079 497 6 00000	USB	(AB)
10420	S06s	28-4	0810	Tue	325 497 6 34331 33212 36439 88359 44833 32079 497 6 00000	USB	(AB)
7340	S06s	28-4	1010	Tue	893 527 6 30720 43259 33366 46044 36844 87363 527 6 00000	USB	(AB)
9296	S06s	29-4	0530	Wed	464 464 464 00000	USB	(AB)
10365	S06s	29-4	0540	Wed	464 464 464 00000	USB	(AB)
8630	S06s	29-4	0820	Wed	471 471 471 00000	USB	(AB)
9255	S06s	29-4	0830	Wed	471 471 471 00000	USB	(AB)
11854	S06s	29-4	0830	Wed	745 745 745 00000	AM	(AB)
12140	S06s	29-4	0840	Wed	745 745 745 00000	AM	(AB)
13365	S06s	29-4	1000	Wed	729 729 729 00000	AM	(AB)
14505	S06s	29-4	1010	Wed	729 729 729 00000	AM	(AB)
13565	S06s	30-4	0910	Thu	167 167 167 00000	AM	(AB)
6524	S06s	30-4	0910	Thu	624 624 624 00000	USB	(AB)
10514	S06s	30-4	0940	Thu	314 314 314 00000 (30 secs early)	USB	(AB)
12415	S06s	30-4	1200	Thu	425 425 425 00000	AM	(AB)
14212	S06s	30-4	1210	Thu	425 425 425 00000	AM	(AB)
16112	S11a	2-4	1015	Thu	475/00	USB	(AB)
7317	S11a	3-4	0915	Fri	484/00	USB	(AB)
16112	S11a	6-4	1015	Mon	475/00	USB	(AB)
7317	S11a	7-4	0915	Tue	485/30 Vnimanie 53095 36224 68633 ... 32327 03589 73032 Vnimanie, rpt msg, konec	USB	(AB)
4016	S11a	9-4	2000	Thu	371/00	USB	(GHn)
5358	S11a	21-4	0455	Tue	320/32 Vnimanie 99252 93430 61618 ... 95812 46713 43293 Vnimanie, rpt msg, konec	USB	(AB)
7317	S11a	21-4	0915	Tue	Polish Intel.	USB	(LA6LU)
9960	S11a	21-4	1020	Tue	Polish Intel.	USB	(LA6LU)
16112	S11a	23-4	1015	Thu	475/00	USB	(AB)
7317	S11a	24-4	0915	Fri	484/00	USB	(AB/LA6LU)
9960	S11a	24-4	1020	Fri	427/35 Vnimanie 33534 84834 30856 ... 01525 81035 49938 Vnimanie, rpt msg, konec	USB	(AB)
4016	S11a	24-4	1955	Fri	371/00	USB	(AB)
16112	S11a	27-4	1015	Mon	465/00	USB	(AB)
5358	S11a	28-4	0455	Tue	321/00	USB	(AB)
7317	S11a	28-4	0915	Tue	484/00	USB	(AB)
9960	S11a	28-4	1020	Tue	426/00	USB	(AB)
16112	S11a	30-4	1015	Thu	475/00	USB	(AB)
4625	S28	5-4	1431	Sun	Inaudible. Marker down	USB	(Priyom)
4625	S28	6-4	0815	Mon	Inaudible. Marker down	USB	(Priyom)
4625	S28	6-4	0820	Mon	Test count 1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
4625	S28	6-4	0852	Mon	MDZhB 84 674 LIPAK 1520 1796	USB	(Priyom)
4625	S28	6-4	0929	Mon	Test count 1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
4625	S28	6-4	1019	Mon	MDZhB 02 357 LIPAVLON 1100 8291	USB	(Priyom)
4625	S28	6-4	1140	Mon	MDZhB 99 897 CIN'HA 3693 0944	USB	(Priyom)
4625	S28	6-4	1333	Mon	MDZhB 84 828 SINHROTRON 8179 6586	USB	(Priyom)
4625	S28	6-4	1415	Mon	MDZhB 44 448 DINOFYeK 1389 7766	USB	(Priyom)
4625	S28	6-4	1433	Mon	MDZhB 47 986 MINONOSNYJ 8640 1411	USB	(Priyom)
4625	S28	7-4	1311	Tue	MDZhB 47 659 ShINShiLLA 9264 8259	USB	(Priyom)
4625	S28	9-4	0755	Thu	MDZhB KINODIALOG 6984 3322	USB	(Priyom)

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4625	S28	9-4	0843	Thu	MDZhB 37 549 VINKATON 3659 2260	USB	(Priyom)
4625	S28	13-4	0125	Mon	Marker generator power failure	USB	(Priyom)
4625	S28	13-4	1224	Mon	MDZhB 64 586 TINKAL' 7527 0698	USB	(Priyom)
4625	S28	13-4	1244	Mon	MDZhB 51 239 GINYeCYeJ 4479 1695	USB	(Priyom)
4625	S28	13-4	1251	Mon	MDZhB 49 500 DINGI 6677 0985	USB	(Priyom)
4625	S28	16-4	0650	Thu	MDZhB 90 430 ChINAB 9720 5614	USB	(Priyom)
4625	S28	16-4	1210	Thu	MDZhB 56 327 TIMYeJKA 3103 3945	USB	(Priyom)
4625	S28	16-4	1429	Thu	MDZhB 24 157 SIMVOLIKA 2332 9867	USB	(Priyom)
4625	S28	20-4	1222	Mon	MDZhB 44 411 BIL'BOKYe 0507 2167	USB	(Priyom)
4625	S28	20-4	1222	Mon	MDZhB 44 411 BIL'BOKYe 0507 2167	USB	(Priyom)
4625	S28	20-4	1345	Mon	MDZhB 87 943 BIL'BOKS 2673 4954	USB	(Priyom)
4625	S28	20-4	1345	Mon	MDZhB 87 943 BIL'BOKS 2673 4954	USB	(Priyom)
4625	S28	23-4	0803	Thu	MDZhB 21 964 FILOKARTIYa 6353 8415	USB	(Priyom)
4625	S28	27-4	0912	Mon	MDZhB 64 981 VILAShA 5813 2231	USB	(Priyom)
4625	S28	27-4	1137	Mon	MDZhB 71 911 YuSILANOL 7113 5176	USB	(Priyom)
4625	S28	29-4	2307	Wed	MDZhB Generator power failure	USB	(Priyom)
4625	S28	30-4	1022	Thu	MDZhB 29 442 PILAV 6923 9558	USB	(Priyom)
4625	S28	30-4	1030	Thu	MDZhB 04 547 PIKTS 3327 8882	USB	(Priyom)
4625	S28	30-4	1320	Thu	MDZhB 84 360 SIKOMOR 3494 4359	USB	(Priyom)
4625	S28	30-4	1416	Thu	MDZhB 58 972 CIKLOSyeDAL 2506 0281	USB	(Priyom)
3756	S30	1-4	2316	Wed	Marker generator power failure. S32 went down at the same time	USB	(Priyom)
5448	S30	3-4	0447	Fri	CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR	USB	(Priyom)
3756	S30	3-4	1657	Fri	49FT 42BV 81BR 29 262 34 311 29 810 PROFOS 3576 1419	USB	(Priyom)
3756	S30	3-4	1711	Fri	42BV 64 311 PROFOS 3576 1419 Repeat of previous signal for 42BV with number correction	USB	(Priyom)
3756	S30	3-4	1930	Fri	MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch	USB	(Priyom)
5448	S30	4-4	1429	Sat	8S1Shch 24 364 08 154 71 048 ZYeRNOYaDNYJ 3658 5590	USB	(Arg)
5448	S30	5-4	1433	Sun	8S1Shch 95 022 SOVONICA 5131 8753	USB	(Priyom)
3756	S30	5-4	1752	Sun	INNC ShchGJP TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5	USB	(Priyom)
5448	S30	6-4	0433	Mon	VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS'	USB	(Priyom)
3756	S30	6-4	1705	Mon	HCLF 61HZh ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P	USB	(Priyom)
5448	S30	7-4	0450	Tue	Y8MV 6I2Zh 8CShch' 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI	USB	(Priyom)
3756	S30	7-4	1412	Tue	8S1Shch 50 103 YeHIDSTVO 9474 3442	USB	(Arg)
5448	S30	7-4	1433	Tue	8S1Shch 13 566 ANAPLAMOZ 4017 0111	USB	(Arg)
3756	S30	7-4	1743	Tue	8MUO TUZR 5J7Shch DMC3 49FT C2ZA INNC ShchGJP TZLM FY5E	USB	(Priyom)
3756	S30	7-4	1758	Tue	8S1Shch GYeKSOBIOZA 99 54	USB	(Priyom)
3756	S30	7-4	2014	Tue	M7KS PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5	USB	(Priyom)
3756	S30	10-4	1806	Fri	4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'	USB	(Priyom)
3756	S30	15-4	1740	Wed	LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ 27Shch' N1DU 53OB	USB	(Priyom)
5448	S30	17-4	1407	Fri	8S1Shch 73 111 VODYeNIChAR 1633 8804	USB	(Priyom)
5448	S30	17-4	1421	Fri	8S1Shch 55 807 KAGAYaN 1145 6761	USB	(Priyom)
3756	S30	24-4	1824	Fri	ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh	USB	(Priyom)
3756	S30	25-4	1802	Sat	5J7Shch DMC3 49FT C2ZA INNC ShchGJP TZLM FY5E F61N 37CN	USB	(Priyom)
3756	S30	27-4	0413	Mon	V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ 27Shch'	USB	(Priyom)
3756	S30	27-4	1812	Mon	S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3	USB	(Priyom)
3756	S30	27-4	1819	Mon	ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ	USB	(Priyom)
3756	S30	30-4	1815	Thu	AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS' DKJ1	USB	(Priyom)
3828	S32	1-4	1732	Wed	STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39	USB	(Priyom)
3828	S32	1-4	2316	Wed	Marker down at the same time as S30	USB	(Priyom)
3828	S32	2-4	1939	Thu	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27	USB	(Priyom)
3828	S32	3-4	0207	Fri	ALFA-45 09 932 VAZhDA 2513 3885	USB	(Priyom)
5473	S32	3-4	1216	Fri	ALFA-45 86 211 AGAMNYJ 6035 9496	USB	(Arg)
5473	S32	3-4	1455	Fri	ALFA-45 54 606 KINOPLYeNKA 4088 5026	USB	(Arg)
3828	S32	4-4	1757	Sat	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
3828	S32	4-4	1935	Sat	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 KURGAN-40 DUBLYoR-68 SLUZhBA-32	USB	(Priyom)
5473	S32	7-4	1308	Tue	ALFA-45 35 218 VYeRNIN 8768 5481	USB	(Arg)
5473	S32	7-4	1410	Tue	ALFA-45 82 745 RUKOGAS 4476 2547	USB	(Arg)
5473	S32	7-4	1429	Tue	ALFA-45 63 309 TOKMACh 2362 2566	USB	(Arg)
3828	S32	7-4	1758	Tue	Relay of the Pip (S30 channel marker)	USB	(Priyom)
3828	S32	7-4	1802	Tue	ALFA-45 PYeNAMYeTALL 70 65	USB	(Priyom)

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3828	S32	8-4	1835	Wed	ALFA-45 GYeKSOBIOZA 99 54	USB	(Priyom)
3828	S32	9-4	1801	Thu	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 ShTUKA-32 DzhIGIT-46	USB	(Priyom)
3828	S32	10-4	0030	Fri	FONTAN-34 ALEUT-09 DZhIGIT-46	USB	(Priyom)
3828	S32	10-4	2013	Fri	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39	USB	(Priyom)
3828	S32	12-4	0414	Sun	Al'fa45 78 5 00 78 ABYeTsYeDARIJ 25 52 32 12	USB	(Avare)
3828	S32	12-4	1941	Sun	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 KOVBOJ-39 DUBLYoR-68	USB	(Priyom)
3828	S32	13-4	1802	Mon	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
3828	S32	14-4	1653	Tue	ALFA-45 64 863 ALYeJ 3556 5465	USB	(Priyom)
3828	S32	14-4	1839	Tue	STAZhYeR-29 KURGAN-40 71 031 34 852 FYeLLO 3768 1423	USB	(Priyom)
3828	S32	14-4	1909	Tue	STAZhYeR-29 KURGAN-40 58 490 10 447 UHOL' 0359 7897	USB	(Priyom)
3828	S32	14-4	1936	Tue	STAZhYeR-29 KURGAN-40 84 806 82 484 INOZIN 9373 8149	USB	(Priyom)
3828	S32	14-4	2036	Tue	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39	USB	(Priyom)
3828	S32	14-4	2226	Tue	STAZhYeR-29 KURGAN-40 68 860 92 657 PROKLA 7364 6064	USB	(Priyom)
3828	S32	15-4	1835	Wed	STAZhYeR-29 KURGAN-40 60 624 14 268 YaHKALKA 8852 5058	USB	(Priyom)
5473	S32	17-4	1413	Fri	ALFA-45 23 976 BITOK 3047 9827	USB	(Arg)
5473	S32	17-4	1426	Fri	ALFA-45 79 672 HLORTOLUOL 3447 0231	USB	(Arg)
3828	S32	22-4	1835	Wed	K3VJ M7KS Shch8AF 08 956 56 539 49 845 ELYeKTROBUS 1153 7216	USB	(Arg)
3828	S32	22-4	1844	Wed	K3VJ M7KS Shch8AF 04 824 10 997 36 253 PAGLINOK 7635 4431	USB	(Priyom)
3828	S32	22-4	1917	Wed	K3VJ M7KS Shch8AF 76 915 00 157 63 637 MAAR 0960 6694	USB	(Priyom)
3828	S32	22-4	1917	Wed	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27	USB	(Priyom)
3828	S32	22-4	1928	Wed	K3VJ M7KS Shch8AF 33 716 71 526 01 712 SALASA 9045 2927	USB	(Priyom)
3828	S32	22-4	2056	Wed	K3VJ M7KS Shch8AF 99 531 06 402 61 670 ABSYeNTYeIST 2875 8905	USB	(Priyom)
3828	S32	23-4	1736	Thu	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 KURGAN-40	USB	(Priyom)
7009	S32	24-4	1429	Fri	Squeaky Wheel marker on new freq.	USB	(DJPr/AB)
5473	S32	25-4	0916	Sat	Squeaky Wheel marker //7009 kHz	USB	(Danix)
7009	S32	25-4	0916	Sat	Squeaky Wheel marker on new freq. //5473 kHz	USB	(AB/Danix)
7009	S32	25-4	1016	Sat	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 KURGAN-40 DUBLYoR-68 STUPA-32	USB	(Priyom)
3828	S32	25-4	1732	Sat	STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39 ROSA-64 DZhIGIT-46	USB	(Priyom)
3828	S32	25-4	1915	Sat	OTPOR-89 YaHTA-94 FONTAN-34 SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27	USB	(Priyom)
7009	S32	26-4	1521	Sun	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 ROSA-64 DZhIGIT-46 OT-POR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
7009	S32	27-4	0946	Mon	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 ROSA-64 DZhIGIT-46 OT-POR-89 YaHTA-94 FONTAN-34 DUBLYoR-68	USB	(Priyom)
7009	S32	27-4	1132	Mon	ALFA-45 71 442 IMATYeL' 2214 5547	USB	(Priyom)
7009	S32	27-4	1137	Mon	ALFA-45 74 474 ZhAROVOJ 5145 5451	USB	(Priyom)
3828	S32	27-4	1549	Mon	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 KURGAN-40	USB	(Priyom)
3828	S32	27-4	1804	Mon	STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39 STUPA-32	USB	(Priyom)
7009	S32	28-4	0741	Tue	STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39	USB	(Priyom)
7009	S32	28-4	1318	Tue	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27	USB	(Priyom)
3828	S32	28-4	1911	Tue	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 ROSA-64 DZhIGIT-46 OT-POR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
7009	S32	29-4	0708	Wed	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 STUPA-32	USB	(Priyom)
3828	S32	29-4	1738	Wed	STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39	USB	(Priyom)
7009	S32	30-4	0804	Thu	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07	USB	(Priyom)
7009	S32	30-4	1014	Thu	ALFA-45 02 587 KORONYeR 0085 4432	USB	(Priyom)
7009	S32	30-4	1021	Thu	ALFA-45 33 677 ShAMPANYeYa 3546 1421	USB	(Priyom)
3828	S32	30-4	1806	Thu	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KARTA-11	USB	(Priyom)
3828	S32	30-4	2030	Thu	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27	USB	(Priyom)
5292	S5292	1-4	0716	Wed	SYeKRYeT-39 52 331 ANATOM 5468 9986	USB	(Priyom)
5292	S5292	1-4	0726	Wed	BOYeC-43 68 363 USTUPKA 8647 9647	USB	(Priyom)
5292	S5292	1-4	0736	Wed	BARZHA-08 55 990 ChUGUN 2146 7474	USB	(Priyom)
5292	S5292	1-4	0741	Wed	FAZAN-37 98 257 PAMYaT' 5454 9698	USB	(Priyom)
5292	S5292	3-4	0639	Fri	SYeKRYeT-39 47 589 PYeRYeNYeT 4538 0384	USB	(Priyom)
5292	S5292	3-4	0731	Fri	TRYeL'-31 94 211 TURYeL' 4638 3292	USB	(Priyom)
5292	S5292	3-4	0741	Fri	FAZAN-37 10 231 CIPKALO 3746 3921	USB	(Priyom)
5292	S5292	4-4	1708	Sat	Buzzer-marker	USB	(AB)
5292	S5292	5-4	0757	Sun	BARZHA-08 24 245 OBOROT 3436 8886	USB	(Priyom)
5292	S5292	5-4	0806	Sun	BOYeC-43 28 436 KONDITYeR 6443 7548	USB	(Priyom)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
5292	S5292	5-4	0816	Sun	SYeKRYeT-39 27 463 RABOTNIK 2364 9638	USB	(Priyom)
5292	S5292	13-4	1202	Mon	FAZAN-37 83 838 ZAMYeTNYJ 3781 6538	USB	(Priyom)
5292	S5292	15-4	0751	Wed	FAZAN-37 15 425 PROSYeKA 1536 9643	USB	(Priyom)
5292	S5292	15-4	0918	Wed	Test count 1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
5292	S5292	15-4	1142	Wed	Test count 1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
5292	S5292	15-4	1148	Wed	Test count 1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
5292	S5292	15-4	1430	Wed	Test count 1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
5292	S5292	15-4	1437	Wed	Test count 1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
5292	S5292	17-4	1932	Fri	Buzzer-marker	USB	(AB)
5292	S5292	23-4	1249	Thu	FAZAN-37 89 731 DOROGA 5477 1222	USB	(Priyom)
5292	S5292	23-4	1313	Thu	1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
5292	S5292	23-4	1316	Thu	1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
5292	S5292	23-4	2004	Thu	Buzzer-marker	USB	(AB)
5292	S5292	24-4	1632	Fri	Buzzer-marker	USB	(AB)
5292	S5292	26-4	1941	Sun	Buzzer-marker	USB	(AB)
3580	UM01	1-4	1106	Wed	CQ P 0	CW	(JPL-Sib)
3580	UM01	1-4	1722	Wed	CQ M 1	CW	(JPL-Sib)
3580	UM01	2-4	0947	Thu	CQ P 1	CW	(JPL-Sib)
3580	UM01	2-4	1137	Thu	CQ P 1	CW	(JPL-Sib)
3580	UM01	2-4	1608	Thu	CQ M 0	CW	(JPL-Sib)
3580	UM01	2-4	2231	Thu	CQ M 1	CW	(JPL-Sib)
3580	UM01	3-4	1436	Fri	CQ P 1	CW	(JPL-Sib)
3580	UM01	5-4	1338	Sun	CQ P 4	CW	(JPL-Sib)
3580	UM01	5-4	2048	Sun	CQ P 1	CW	(JPL-Sib)
3580	UM01	6-4	0828	Mon	CQ P 4	CW	(JPL-Sib)
3580	UM01	6-4	0846	Mon	CQ P 5	CW	(JPL-Sib)
3580	UM01	6-4	1003	Mon	CQ P 5	CW	(JPL-Sib)
3580	UM01	6-4	1651	Mon	CQ P 4	CW	(JPL-Sib)
3580	UM01	6-4	2054	Mon	CQ P 3	CW	(JPL-Sib)
3580	UM01	7-4	0038	Tue	CQ P 2	CW	(JPL-Sib)
3580	UM01	7-4	0055	Tue	CQ P 3	CW	(JPL-Sib)
3580	UM01	7-4	0938	Tue	CQ P 8	CW	(JPL-Sib)
3580	UM01	7-4	1203	Tue	CQ P 8	CW	(JPL-Sib)
3580	UM01	7-4	1230	Tue	CQ P 8	CW	(JPL-Sib)
3580	UM01	7-4	1752	Tue	CQ P 4	CW	(JPL-Sib)
3580	UM01	8-4	1832	Wed	CQ P 3	CW	(JPL-Sib)
3580	UM01	8-4	2016	Wed	CQ P 2	CW	(JPL-Sib)
3580	UM01	8-4	2249	Wed	CQ P 1	CW	(JPL-Sib)
3580	UM01	9-4	0146	Thu	CQ P 2	CW	(JPL-Sib)
3850	UM01	9-4	0935	Thu	CQ P 3	CW	(JPL-Sib)
3850	UM01	9-4	1030	Thu	CQ P 3	CW	(JPL-Sib)
3580	UM01	9-4	1211	Thu	CQ P 6	CW	(JPL-Sib)
3850	UM01	9-4	1328	Thu	CQ P 3	CW	(JPL-Sib)
3850	UM01	9-4	1539	Thu	CQ P 3	CW	(JPL-Sib)
3580	UM01	9-4	1640	Thu	CQ P 5	CW	(JPL-Sib)
3850	UM01	9-4	1817	Thu	CQ P 2	CW	(JPL-Sib)
3850	UM01	9-4	2136	Thu	CQ P 1	CW	(JPL-Sib)
3580	UM01	9-4	2317	Thu	CQ P 4	CW	(JPL-Sib)
3580	UM01	10-4	0146	Fri	CQ P 2	CW	(JPL-Sib)
3580	UM01	10-4	1211	Fri	CQ P 6	CW	(JPL-Sib)
3580	UM01	10-4	1640	Fri	CQ P 5	CW	(JPL-Sib)
3580	UM01	10-4	2317	Fri	CQ P 4	CW	(JPL-Sib)
3580	UM01	11-4	0146	Sat	CQ P 2	CW	(JPL-Sib)
3580	UM01	11-4	1211	Sat	CQ P 6	CW	(JPL-Sib)
3580	UM01	11-4	1640	Sat	CQ P 5	CW	(JPL-Sib)
3580	UM01	11-4	2317	Sat	CQ P 4	CW	(JPL-Sib)
3580	UM01	12-4	1212	Sun	CQ P 9	CW	(JPL-Sib)
3580	UM01	12-4	1601	Sun	CQ P 8	CW	(JPL-Sib)
3580	UM01	12-4	1831	Sun	CQ P 7	CW	(JPL-Sib)
3580	UM01	13-4	0159	Mon	CQ P 3	CW	(JPL-Sib)
3580	UM01	13-4	1104	Mon	CQ P 6	CW	(JPL-Sib)
3580	UM01	13-4	1113	Mon	CQ P 5	CW	(JPL-Sib)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
3580	UM01	14-4	0150	Tue	CQ P 2	CW	(JPL-Sib)
3580	UM01	14-4	0958	Tue	CQ P 4	CW	(JPL-Sib)
3580	UM01	14-4	1811	Tue	CQ P 2	CW	(JPL-Sib)
3580	UM01	14-4	2132	Tue	CQ P 2	CW	(JPL-Sib)
3580	UM01	15-4	0937	Wed	CQ P 6	CW	(JPL-Sib)
3580	UM01	15-4	1016	Wed	CQ P 6	CW	(JPL-Sib)
3580	UM01	16-4	0955	Thu	CQ P 6	CW	(JPL-Sib)
3580	UM01	16-4	1111	Thu	CQ P 6	CW	(JPL-Sib)
3580	UM01	16-4	1759	Thu	CQ P 3	CW	(JPL-Sib)
3580	UM01	16-4	1852	Thu	CQ P 2	CW	(JPL-Sib)
3580	UM01	17-4	0955	Fri	CQ P 6	CW	(JPL-Sib)
3580	UM01	17-4	1111	Fri	CQ P 6	CW	(JPL-Sib)
3580	UM01	17-4	1759	Fri	CQ P 3	CW	(JPL-Sib)
3580	UM01	17-4	1852	Fri	CQ P 2	CW	(JPL-Sib)
3580	UM01	17-4	2311	Fri	CQ P 0	CW	(JPL-Sib)
3580	UM01	20-4	1054	Mon	CQ P 7	CW	(JPL-Sib)
3580	UM01	20-4	2038	Mon	CQ P 6	CW	(JPL-Sib)
3580	UM01	21-4	0208	Tue	CQ P 12	CW	(JPL-Sib)
3580	UM01	21-4	0951	Tue	CQ P 17	CW	(JPL-Sib)
3580	UM01	21-4	1016	Tue	CQ P 17	CW	(JPL-Sib)
3580	UM01	21-4	1723	Tue	CQ P 15 (Transiting between 15 and 14)	CW	(JPL-Sib)
3580	UM01	21-4	1724	Tue	CQ P 14	CW	(JPL-Sib)
3580	UM01	22-4	0022	Wed	CQ P 12	CW	(JPL-Sib)
3580	UM01	22-4	0949	Wed	CQ P 18	CW	(JPL-Sib)
3580	UM01	22-4	2228	Wed	CQ P 14	CW	(JPL-Sib)
3850	UM01	24-4	0925	Fri	CQ P 13	CW	(JPL-Sib)
3850	UM01	24-4	1351	Fri	CQ P 12	CW	(JPL-Sib)
3850	UM01	24-4	1554	Fri	CQ P 11	CW	(JPL-Sib)
3580	UM01	28-4	0953	Tue	CQ P 10	CW	(JPL-Sib)
3580	UM01	28-4	1734	Tue	CQ P 6	CW	(JPL-Sib)
3580	UM01	28-4	2333	Tue	CQ P 3	CW	(JPL-Sib)
3580	UM01	29-4	1840	Wed	CQ P 3	CW	(JPL-Sib)
3580	UM01	29-4	2222	Wed	CQ P 2	CW	(JPL-Sib)
3580	UM01	30-4	0955	Thu	CQ P 7	CW	(JPL-Sib)
3580	UM01	30-4	1843	Thu	CQ P 8	CW	(JPL-Sib)
3580	UM01	30-4	1902	Thu	CQ P 7	CW	(JPL-Sib)
3580	UM01	30-4	2327	Thu	CQ P 5	CW	(JPL-Sib)
3265	UM10	6-4	1653	Mon	Unid 10-mins net: JZWG (new callsign)	CW	(JPL-Sib)
3504	UM10	6-4	1714	Mon	Unid 10-mins net: WF3A	CW	(JPL-Sib)
3265	UM10	6-4	1718	Mon	Unid 10-mins net: JZWG (new callsign)	CW	(JPL-Sib)
3265	UM10	7-4	1754	Tue	Unid 10-mins net: JZWG	CW	(JPL-Sib)
6875	UM10	8-4	2251	Wed	Unid 10-mins net: 3S4A (new callsign)	CW	(JPL-Sib)
3504	UM10	9-4	1649	Thu	Unid 10-mins net: WF3A //4224 kHz	CW	(JPL-Sib)
4224	UM10	9-4	1649	Thu	Unid 10-mins net: WF3A //3504 kHz	CW	(JPL-Sib)
3959	UM10	9-4	1922	Thu	Unid 10-mins net: JZWG //3265 kHz	CW	(JPL-Sib)
3265	UM10	9-4	1922	Thu	Unid 10-mins net: JZWG //3959 kHz	CW	(JPL-Sib)
6875	UM10	9-4	2319	Thu	Unid 10-mins net: 3S4A	CW	(JPL-Sib)
4224	UM10	10-4	1649	Fri	Unid 10-mins net: WF3A //3504 kHz	CW	(JPL-Sib)
3504	UM10	10-4	1649	Fri	Unid 10-mins net: WF3A //4224 kHz	CW	(JPL-Sib)
6875	UM10	10-4	2318	Fri	Unid 10-mins-net: 3S4A	CW	(JPL-Sib)
4224	UM10	11-4	1650	Sat	Unid 10-mins net: WF3A //3504 kHz	CW	(JPL-Sib)
3504	UM10	11-4	1650	Sat	Unid 10-mins net: WF3A //4224 kHz	CW	(JPL-Sib)
6875	UM10	11-4	2318	Sat	Unid 10-mins net: 3S4A	CW	(JPL-Sib)
4224	UM10	14-4	1813	Tue	Unid 10-mins net: WF3A //3504 kHz	CW	(JPL-Sib)
3504	UM10	14-4	1813	Tue	Unid 10-mins net: WF3A //4224 kHz	CW	(JPL-Sib)
3265	UM10	16-4	1818	Thu	Unis 10-mins net: JZWG //3959 kHz	CW	(JPL-Sib)
3959	UM10	16-4	1818	Thu	Unis 10-mins net: JZWG //3265 kHz	CW	(JPL-Sib)
6875	UM10	17-4	2321	Fri	Unid 10-mins net: 3S4A	CW	(JPL-Sib)
3580	UM10	23-4	2151	Thu	CQ P 15	CW	(JPL-Sib)
3504	UM10	29-4	1845	Wed	Unid 10-mins net: WF3A //4224 kHz	CW	(JPL-Sib)
4224	UM10	29-4	1845	Wed	Unid 10-mins net: WF3A //3504 kHz	CW	(JPL-Sib)
7555	V02a	28-4	1959	Tue	During the callup they started switching back and forth between V02a and M08a.	LSB	(BW3/Danix)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
14823	V07	12-4	0300	Sun	845 845 845 000	USB	(Token)
13423	V07	12-4	0320	Sun	845 845 845 000	USB	(Token)
8346	VC01	7-4	0704	Tue	Chinese Robot i.p.	USB	(EW)
8346	VC01	7-4	1908	Tue	Chinese Robot i.p.	USB	(Nico)
8346	VC01	7-4	2020	Tue	Chinese Robot i.p.	USB	(Nico)
8346	VC01	7-4	2028	Tue	Chinese Robot i.p.	USB	(AB)
8346	VC01	25-4	1802	Sat	Chinese Robot	USB	(NC)
18177	X06	8-4	0800	Wed	Mazielka. Sequence: 164253	USB	(AAI)
9163	X06	8-4	1735	Wed	Mazielka. Sequence: 145632	USB	(AAI)
14440	X06	23-4	0903	Thu	Mazielka. Sequence: 153624	USB	(PUK)
14871	X06	23-4	0909	Thu	Mazielka. Sequence: 153624	USB	(PUK)
13510	X06	24-4	0446	Fri	Mazielka. Sequence: 216435	USB	(PUK)
9288	X06	24-4	0620	Fri	Mazielka. Sequence: 356412	USB	(PUK)
19611	X06	24-4	0954	Fri	Mazielka. Sequence: 256134	USB	(PUK)
20605	X06	24-4	1011	Fri	Mazielka. Sequence: 256134	USB	(PUK)
17463	X06	24-4	1015	Fri	Mazielka. Sequence: 256134	USB	(PUK)
15828	X06	24-4	1512	Fri	Mazielka. Sequence: 256134	USB	(PUK)
14947	X06	26-4	0809	Sun	Mazielka. Sequence: 351264	USB	(PUK)
16117	X06	27-4	0947	Mon	Mazielka. Sequence: 463125	USB	(PUK)
13420	X06	28-4	0758	Tue	Mazielka. Sequence: 534216	USB	(PUK)
16257	X06	28-4	0822	Tue	Mazielka. Sequence: 534216	USB	(PUK)
17523	X06	28-4	0829	Tue	Mazielka. Sequence: 534216	USB	(PUK)
14861	X06	28-4	0835	Tue	Mazielka. Sequence: 534216	USB	(PUK)
16103	X06	30-4	0630	Thu	Mazielka. Sequence: 645321	USB	(PUK)
10359	XPA	1-4	0600	Wed	msg	MFSK-20/10Bd	(HFD)
11559	XPA	1-4	0620	Wed	msg	MFSK-20/10Bd	(HFD)
13559	XPA	1-4	0640	Wed	msg	MFSK-20/10Bd	(HFD)
10943	XPA	2-4	1900	Thu	msg	MFSK-20/10Bd	(HFD)
10243	XPA	2-4	1920	Thu	msg	MFSK-20/10Bd	(HFD)
9243	XPA	2-4	1940	Thu	msg	MFSK-20/10Bd	(HFD)
10943	XPA	7-4	1900	Tue	02886 00179 41714 26672 35215 ... 73626 89346 40548 90630 55301	MFSK-20/10Bd	(MPJ)
10243	XPA	7-4	1920	Tue	02886 00179 41714 26672 35215 ... 73626 89346 40548 90630 55301	MFSK-20/10Bd	(MPJ)
10359	XPA	8-4	0600	Wed	355 355 355 000 08545 00001 00000 10140	MFSK-20/10Bd	(AB)
11559	XPA	8-4	0620	Wed	355 355 355 000 08545 00001 00000 10140	MFSK-20/10Bd	(AB)
13559	XPA	8-4	0640	Wed	355 355 355 000 08545 00001 00000 10140	MFSK-20/10Bd	(AB)
10256	XPA	14-4	1020	Tue	No id and message indicator 07689 00093 02948 ... 54810 56646 41667	MFSK-20/10Bd	(Avare)
11559	XPA	15-4	0620	Wed	355 355 355 000 07835 00001 00000 10140	MFSK-20/10Bd	(AB)
13559	XPA	15-4	0640	Wed	355 355 355 000 07835 00001 00000 10140	MFSK-20/10Bd	(AB)
10359	XPA	18-4	0600	Sat	355 355 355 000 08658 00001 00000 10140	MFSK-20/10Bd	(AB)
11559	XPA	18-4	0620	Sat	355 355 355 000 08658 00001 00000 10140	MFSK-20/10Bd	(AB)
13559	XPA	18-4	0640	Sat	355 355 355 000 08658 00001 00000 10140	MFSK-20/10Bd	(AB)
10943	XPA	21-4	1900	Tue	922 922 922 000 03728 00001 00000 10140	MFSK-20/10Bd	(AB/LA6LU)
10243	XPA	21-4	1920	Tue	922 922 922 000 03728 00001 00000 10140	MFSK-20/10Bd	(AB/LA6LU)
9243	XPA	21-4	1940	Tue	922 922 922 000 03728 00001 00000 10140	MFSK-20/10Bd	(AB/LA6LU)
10539	XPA	22-4	0600	Wed	355 355 355 1 01323 00177 09763 ... 81432 77835 53347	MFSK-20/10Bd	(AB)
11559	XPA	22-4	0620	Wed	355 355 355 1 01323 00177 09763 ... 81432 77835 53347	MFSK-20/10Bd	(AB)
13559	XPA	22-4	0640	Wed	355 355 355 1 01323 00177 09763 ... 81432 77835 53347	MFSK-20/10Bd	(AB)
10359	XPA	25-4	0600	Sat	Noisy transmitter sound at 0558z, start sequence for a few secs at 0600z, then off. Restarted at 0602z	MFSK-20/10Bd	(AB)
10359	XPA	25-4	0602	Sat	355 355 355 000 05821 00001 00000 10140	MFSK-20/10Bd	(AB)
11559	XPA	25-4	0620	Sat	355 355 355 000 05821 00001 00000 10140	MFSK-20/10Bd	(AB)
13559	XPA	25-4	0640	Sat	355 355 355 000 05821 00001 00000 10140	MFSK-20/10Bd	(AB)
10943	XPA	28-4	1900	Tue	922 1 09709 00201 88836 ... 82246 91142 37142	MFSK-20/10Bd	(AB)
10243	XPA	28-4	1920	Tue	922 1 09709 00201 88836 ... 82246 91142 37142	MFSK-20/10Bd	(AB)
9243	XPA	28-4	1940	Tue	922 1 09709 00201 88836 ... 82246 91142 37142	MFSK-20/10Bd	(AB)
10359	XPA	29-4	0600	Wed	355 355 355 000 07288 00001 00000 10140	MFSK-20/10Bd	(AB)
11559	XPA	29-4	0620	Wed	355 355 355 000 07288 00001 00000 10140	MFSK-20/10Bd	(AB)
13559	XPA	29-4	0640	Wed	355 355 355 000 07288 00001 00000 10140	MFSK-20/10Bd	(AB)
16147	XPA2	3-4	1500	Fri	01973 00185 04573 86922 19540 ... 41806 44561 49390 90401 05704	MFSK-16/20Bd	(MPJ)
16147	XPA2	3-4	1500	Fri	msg	MFSK-16/20Bd	(HFD)
14947	XPA2	3-4	1520	Fri	msg	MFSK-16/20Bd	(HFD)
14447	XPA2	3-4	1540	Fri	msg	MFSK-16/20Bd	(HFD)

Freq	Code	Date	UTC	Day	Remarks	Mode	Contributor
14447	XPA2	3-4	1540	Fri	01973 00185 04573 … 49390 90401 05704	MFSK-16/20Bd	(AB/MPJ)
17462	XPA2	3-4	1900	Fri	msg	MFSK-16/20Bd	(HFD)
17462	XPA2	3-4	1900	Fri	05191 00153 75627 91671 36189 … 91950 93682 00017 65718 65254	MFSK-16/20Bd	(MPJ)
16114	XPA2	3-4	1920	Fri	msg	MFSK-16/20Bd	(HFD)
16114	XPA2	3-4	1920	Fri	05191 00153 75627 91671 36189 … 91950 93682 00017 65718 65254	MFSK-16/20Bd	(MPJ)
14828	XPA2	3-4	1940	Fri	05191 00153 75627 91671 36189 … 91950 93682 00017 65718 65254	MFSK-16/20Bd	(MPJ)
14828	XPA2	3-4	1940	Fri	msg	MFSK-16/20Bd	(HFD)
14538	XPA2	5-4	1800	Sun	msg	MFSK-16/20Bd	(HFD)
13538	XPA2	5-4	1820	Sun	msg	MFSK-16/20Bd	(HFD)
12138	XPA2	5-4	1840	Sun	msg	MFSK-16/20Bd	(HFD)
14538	XPA2	7-4	1800	Tue	04044 00001 00000 10140	MFSK-16/20Bd	(AB)
13538	XPA2	7-4	1820	Tue	04044 00001 00000 10140	MFSK-16/20Bd	(MPJ)
12138	XPA2	7-4	1840	Tue	04044 00001 00000 10140	MFSK-16/20Bd	(MPJ)
16114	XPA2	10-4	1920	Fri	04839 00001 00000 10140	MFSK-16/20Bd	(MP)
14828	XPA2	10-4	1940	Fri	04839 00001 00000 10140	MFSK-16/20Bd	(MPJ)
16114	XPA2	17-4	1920	Fri	08449 00121 08606 01003 08554 81545 67349 93478 … (garbled)	MFSK-16/20Bd	(AB)
14828	XPA2	17-4	1920	Fri	08449 00121 08606 01003 08554 81545 67349 93478 … (garbled)	MFSK-16/20Bd	(AB)
13538	XPA2	21-4	1820	Tue	02676 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/LA6LU)
12138	XPA2	21-4	1840	Tue	02676 00001 00000 10140	MFSK-16/20Bd	(AB/LA6LU)
16147	XPA2	24-4	1500	Fri	03441 00181 45770 … 34541 06527 57376. Corrupt message	MFSK-16/20Bd	(AB)
14447	XPA2	24-4	1540	Fri	03441 00181 45770 … 34541 06527 57376. Corrupt message	MFSK-16/20Bd	(AB)
17462	XPA2	24-4	1900	Fri	03854 00001 00000 10140	MFSK-16/20Bd	(AB)
16114	XPA2	24-4	1920	Fri	03854 00001 00000 10140	MFSK-16/20Bd	(AB)
14828	XPA2	24-4	1940	Fri	03854 00001 00000 10140	MFSK-16/20Bd	(AB)
13538	XPA2	26-4	1820	Sun	03013 00006 1115 22776618728… 59334 09273 09606 35954 354 (corrupt msg)	MFSK-16/20Bd	(MPJ)
12138	XPA2	26-4	1840	Sun	04014 00067 41160 (rest corrupt)	MFSK-16/20Bd	(MPJ)
14538	XPA2	28-4	1800	Tue	04014 00067 41160 … 35444 26345 02620	MFSK-16/20Bd	(AB/BW3)
13538	XPA2	28-4	1820	Tue	04014 00067 41160 … 35444 26345 02620	MFSK-16/20Bd	(AB/BW3)
12138	XPA2	28-4	1840	Tue	04014 00067 41160 … 35444 26345 02620	MFSK-16/20Bd	(AB/BW3)

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

PRIYOM   http://priyom.org/

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