

670	27364	92836	09428	61208	74982	36498	82764	81276	07
986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	70
723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	50
58	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
667	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
743	98798	98754	98754	98754	98754	29867	67543	67986	867
176	87698	69876	87698	69876	87612	12341	34867	86798	632
667	43298	65656	56756	56123	32143	14321	32143	14321	321
587	92787	58765	76587	58765	76587	58765	76587	58756	765
587	92787	58765	76587	58765	76587	58765	76587	58756	765

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

*Edition #237, June 2017*

Editor: Ary Boender email: [udxf@udxf.nl](mailto:udxf@udxf.nl)

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.

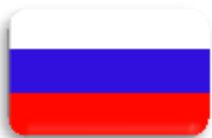
"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

Without further ado, here are the numbers stations logs, messages and info as logged in June. As always we thank everyone who contributed.

During the past month several people asked if we could include Clandestine Radio in N&O (not the pirates, but the political clandestines). I would like that but I am not able to monitor these stations myself. So if you feel that you can fill a column about these stations every now and then, please mail me. I mentioned it a couple of times before, but so far no-one volunteered. In the mean time you can send me the logs so that they can be included in N&O.

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## **VOICE STATIONS**



**E06**

**13985/15830 kHz, 15-06, 0500/0600 UTC**

**13985/15830 kHz, 16-06, 0500/0600 UTC**

328 614 57

57541 58014 19983 15973 23183 04681 95518 68603 64378 99326  
01031 02419 88834 19121 90607 18468 85605 64004 12269 73435  
95989 04902 17778 86852 96239 91013 67858 10945 65521 83378  
68760 57209 37568 06898 01110 84424 59468 37996 26988 77767  
06010 70118 86159 73736 23033 24250 17407 10557 98231 96636  
65898 08771 82818 60901 62526 11680 12522  
614 57 00000

**5731 kHz, 16-06, 2130 UTC**

315 149 52

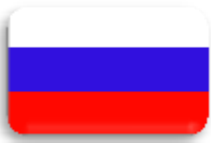
12265 10965 47839 38654 84677 93453 72217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732  
149 52 00000

**8172 kHz, 21-06, 1000 UTC**

825 961 47

48821 97056 04147 24639 54795 81357 04727 57595 43189 08103  
95836 67531 02199 36806 42688 93761 69678 38162 80863 99721  
65412 99146 60548 87874 34415 83287 66642 94022 87210 75800  
63185 03191 48020 68273 35543 54284 46797 62596 28774 25704  
16046 98804 05637 19102 78365 36548 72654  
961 47 00000

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E07

**9064/10264/11464 kHz, 10-06/11-06/17-06/18-06/24-06/25-06, 0600/0620/0640 UTC**

024 024 024 1 327 74 327 74

53499 69083 99014 02746 34169 64007 22629 86036 70778 47508  
93865 46678 12691 32182 57791 19907 85825 84233 55377 69979  
62314 38718 12399 58439 77440 23323 39704 18059 15642 72907  
41770 21250 22246 06961 32215 67275 56811 29144 61829 68668  
09112 61685 73354 26935 29075 39773 70296 82562 82959 80051  
47567 18946 83573 10294 25053 26409 63613 18095 09969 81476  
56769 42509 04524 05112 27969 02081 44339 23455 58112 12921  
22626 64904 97340 57842  
000 000

**18637/17437/15837 kHz, 13-06, 1100/1120/1140 UTC**

648 648 648 1 319 155 319 155

08816 86577 41127 75274 23927 48125 59262 95392 26565 09051  
75753 52585 07069 31911 95246 71449 21820 44718 38039 37903  
67857 25123 73073 49915 34259 23068 67018 24055 73309 20323  
88043 03484 75023 39335 22044 08499 51782 74222 55281 42108  
95105 63570 47703 88790 31613 57599 96735 99394 91934 60426  
69933 85569 69026 18410 10784 81384 13230 04418 32318 46106  
83416 24930 68457 41913 73278 61749 31438 30879 35457 47702  
23178 81639 65641 63535 58862 25621 78308 06621 36228 63295  
53599 82191 40922 12193 06992 21970 40960 08946 04261 39634  
54209 52730 43281 57850 99458 94019 81592 89496 12206 66337  
97504 25129 21308 53657 21768 41966 16713 19140 48066 20278  
97622 83509 20130 10921 67908 81183 40416 13471 96683 37470  
46772 04137 08157 49169 68420 23118 81919 19242 96319 02214  
69516 65542 23960 66876 01679 44659 90164 02071 60560 06280  
95169 94722 24287 96497 15479 99593 93343 50659 46639 59551  
15947 55393 22412 12178 53605  
000 000

**12213/10714/9347 kHz, 15-06/22-06, 2010/2030/2050 UTC**

273 273 273 1 131 75 131 75

75911 12791 78199 38605 48615 85282 28968 23003 87754 38037  
22051 96184 35206 83715 23561 77984 99238 15418 43149 75405  
04245 08620 48077 32728 17255 12246 84619 70574 96528 95932  
99531 19929 88984 80080 85058 33466 42149 23754 45801 57130  
64165 22621 28519 71455 81069 33773 58223 17120 60319 89086  
33242 67893 03632 41358 45110 66588 76707 09475 22359 02813  
72758 96474 84517 21146 29085 38391 57117 33209 51080 02282  
73866 56781 90550 58093 73939  
000 000

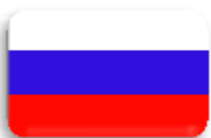
**16328/14828/13428 kHz, 26-06/28-06, 1900/1920/1940 UTC**

384 384 384 1 696 91 696 91  
90711 07600 80771 95094 02157 03015 84637 65123 10426 39102  
88043 76443 80850 48686 87767 01955 64035 92450 53385 85041  
84051 89194 16767 77151 28340 87422 08335 60506 08568 14027  
27361 93126 30733 86574 57843 95583 76147 56635 20079 68464  
61215 95105 57691 42663 68736 23464 78156 89270 40445 47736  
08473 28557 12197 97872 23523 51645 33462 09450 82216 06378  
90398 85259 95753 44157 66846 51888 29045 26267 37864 63422  
02068 46558 25894 17007 42367 23500 44986 82594 14452 36170  
87226 42108 99920 67133 31888 15595 76562 61833 47957 95125  
76874  
000 000

**18637/17437/15837 kHz, 27-06/30-06, 1100/1120/1140 UTC**

648 648 648 1 7647 121 7647 121  
07734 32333 39817 02567 99227 20434 73613 03985 39027 12913  
05908 74377 22641 32730 77805 15347 04235 74822 29022 26141  
96530 35343 22778 28761 00269 90582 65631 36766 87980 11641  
38419 06908 44016 71190 37907 51852 79585 86273 06737 59504  
34148 65531 00335 00418 34435 51739 86328 16509 02074 96026  
32266 51923 56303 54981 90363 85699 53424 06764 29956 97379  
51568 29195 18213 98718 79272 66870 43229 08685 21467 18112  
09944 81980 24724 76067 97983 22967 11674 73555 17376 28263  
92110 16898 83060 13906 39070 76395 27285 35360 84573 16053  
83024 20196 78748 64376 81606 37000 33831 60065 40150 75297  
11385 16217 64360 30324 27309 44517 60460 97082 74349 98757  
82404 57797 76593 79313 01093 09509 63773 32143 74996 96000  
47643  
000 000

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*E07a*

**7933/9133/10233 kHz, 01-06, 0430/0450/ 0510 UTC**

912 912 912 1 66168 3135 53 3135 53  
92995 66951 33164 92246 91820 55141 37591 62533 93690 02924  
36416 41411 98608 69816 05029 49502 04608 25055 58053 19889  
07625 96201 66180 66105 56371 67679 77303 19447 62866 16874  
90640 66116 14117 74035 62737 82368 42702 96606 38042 57670  
50843 87572 75720 88371 58543 77549 50263 38374 54250 99204  
83011 16165 34840  
000 000

**12166/10766/9266 kHz, 21-06/28-06, 2000/2020/2040 UTC**

172 172 172 1 35147 758 51 758 51  
39978 94229 92939 63905 03025 89898 77217 92296 63438 90624  
24392 69993 43158 83735 23523 93989 24527 07398 87107 40670  
45500 30586 29147 06605 93967 65332 47604 20081 48138 14793  
21009 11408 71879 03976 35032 51924 04708 66909 80980 30147  
76399 44980 45057 42734 54493 11934 21758 11557 24167 14723  
76902  
000 000

**7933/9133/10233 kHz, 22-06/29-06, 0430/0450/ 0510 UTC**

912 912 912 1 35147 758 51 758 51  
39978 94229 92939 63905 03025 89898 77217 92296 63438 90624  
24392 69993 43158 83735 23523 93989 24527 07398 87107 40670  
45500 30586 29147 06605 93967 65332 47604 20081 48138 14793  
21009 11408 71879 03976 35032 51924 04708 66909 80980 30147  
76399 44980 45057 42734 54493 11934 21758 11557 24167 14723  
76902  
000 000

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*E11a*

**14575 kHz, 06-06/08-06, 1645 UTC**

331/33 Attention  
26824 96066 05562 82286 76485 22225 17545 37742 96569 93779  
25958 31274 44726 49184 60575 72428 77421 57520 23244 54879  
34575 89391 48507 98948 85545 87929 86723 81350 44839 56630  
88578 53142 98998  
Attention, rpt msg, out

**15795 kHz, 07-06, 1625 UTC**

972/38 Attention  
73653 57618 20653 67844 90265 73901 11377 55970 38665 74405  
36359 90256 40944 33618 94037 98561 81136 70949 31292 49186  
94325 76162 23207 53991 77934 96344 33557 77005 65940 66352  
89872 47093 19207 73542 02763 41926 90922 37463  
Attention, rpt msg, out

**11581 kHz, 08-06, 1925 UTC**

558/38 Attention  
50106 34296 33532 28540 88569 89895 30462 92164 30574 08304  
93770 90900 92767 14690 92270 92178 64735 51721 11129 40771  
65638 42195 07336 68514 08378 12771 24492 72761 26234 73764  
78114 82213 64313 44667 79512 66313 57080 23890  
Attention, rpt msg, out

**14940 kHz, 09-06/11-06, 1650 UTC**

927/31 Attention  
56896 72541 76885 56528 29395 11959 99937 39298 98348 94531  
48641 48005 30637 35877 69287 92191 14481 09302 22897 99331  
06399 57968 73095 19968 96346 62900 95424 35845 54576 00217  
95071  
Attention, rpt msg, out

**9610 kHz, 12-06, 0745 UTC**

261/34 Attention  
62503 93110 66599 74838 17858 14995 31262 59622 73871 59071  
58791 85448 67797 89799 00292 05434 64028 59979 24846 16233  
50778 98628 86213 29544 98497 70847 89459 02349 57178 42253  
49411 59707 50852 22038  
Attention, rpt msg, out

**13427 kHz, 12-06/14-06, 0900 UTC**

535/33 Attention

90847 90625 93560 24145 18660 65377 44249 48586 38098 66957  
09498 94607 54788 53510 82025 02973 94431 05357 64516 21193  
31900 41518 47667 14231 66197 63998 31281 33334 93183 45635  
57790 30882 90037

Attention, rpt msg, out

**13424 kHz, 13-06, 0645 UTC**

515/39 Attention

04406 39585 22495 42064 00468 28761 77005 49902 58207 90325  
42984 69259 38848 82434 95463 86040 82169 69957 86075 04345  
15736 80446 04001 66164 03703 45110 79789 41060 13359 23613  
28362 28245 55128 40021 78681 23457 81642 12181 67841

Attention, rpt msg, out

**12397 kHz, 13-06/16-06, 1000 UTC**

306/21 Attention

38051 97771 92401 79640 67621 82894 27546 33846 99533 75846  
09275 89601 35826 06404 17378 11050 60170 86836 44539 90210  
71963

Attention, rpt msg, out

**13873 kHz, 13-06, 1045 UTC**

574/37 Attention

71656 61924 75923 48606 03886 37626 34338 92937 34700 20136  
06080 81542 01233 92743 51403 87794 24918 57269 76955 31496  
63967 15071 86936 31900 30466 93359 50537 80541 13253 27299  
99047 72434 46232 52911 06186 10969 02451

Attention, rpt msg, out

**7984 kHz, 14-06/17-06, 1730 UTC**

404/39 Attention

35926 40668 32517 31132 66594 45021 14991 19662 16515 96909  
74110 14876 97857 40036 42088 96924 75682 92138 27503 28924  
16662 32231 35054 53304 37803 52970 04614 83498 97538 06479  
54064 44777 48581 51081 86535 29067 02260 07295 37968

Attention, rpt msg, out

**13424 kHz, 15-06/20-06, 0645 UTC**

513/43 Attention

78419 03307 14295 29558 90649 31894 47136 49157 00759 95903  
35137 79547 54697 68946 31121 80792 36354 17288 91303 47865  
51497 73919 60801 60615 84104 41237 28160 97013 03327 52292  
08662 69780 74715 39766 29183 15946 34431 78631 75400 34693  
18564 16903 28739

Attention, rpt msg, out

**10356 kHz, 15-06, 1530 UTC**

261/34 Attention

62503 93110 66599 74838 17858 14995 31262 59622 73871 59071  
58791 85448 67797 89799 00292 05434 64028 59979 24846 16233  
50778 98628 86213 29544 98497 70847 89459 02349 57178 42253  
49411 59707 50852 22038

Attention, rpt msg, out

**9079 kHz, 18-06, 0805 UTC**

316/34 Attention

90611 94694 24282 51594 06835 67315 71302 05059 48264 36327  
70157 27342 94855 08477 23162 90269 03420 17687 86776 34612  
61738 68370 73989 15452 62201 05177 58001 08867 15754 78986  
81363 29359 99313 69065

Attention, rpt msg, out

**9130 kHz, 18-06, 2005 UTC**

363/35 Attention

81116 63666 16410 00229 94304 30445 94616 12771 35539 01716  
77510 83019 65737 23728 63592 63323 24386 84546 90803 17719  
72871 97516 55846 83688 71913 37292 01518 86578 20298 94536  
35790 62993 61403 05174 18223

Attention, rpt msg, out

**7469 kHz, 19-06, 0450 UTC**

413/38 Attention

36483 49489 06100 49643 87021 30158 26506 61594 69838 87961  
82682 29149 45674 41878 25921 30982 09747 51690 09251 34039  
54881 53098 00286 61845 17641 66210 43044 30763 05633 17350  
67814 49987 36924 18345 31417 96035 62365 70863

Attention, rpt msg, out

**6280 kHz, 19-06/22-06, 0820 UTC**

432/33 Attention

41876 63334 78884 21824 33009 67798 98038 73045 90706 85665  
52357 29579 81795 57712 53641 35368 37614 02401 28841 50645  
47106 16466 50841 93347 75736 16227 83393 29226 82608 13818  
80695 62663 20729

Attention, rpt msg, out

**14410 kHz, 19-06/25-06, 1745 UTC**

246/31 Attention

27705 22777 92154 28196 00048 62300 88527 51601 55981 75556  
65731 14420 99612 37954 95104 22911 92549 11766 63811 54086  
43184 45227 02305 39012 42396 71079 88686 01356 53707 37402  
67943

Attention, rpt msg, out

**13911 kHz, 20-06/21-06, 0820 UTC**

130/33 Attention

01740 22986 93509 32339 87418 47508 94609 02497 19802 51001  
93446 18829 46930 89190 13508 61024 92441 51671 29828 83655  
20557 13955 82899 75329 90623 71788 96573 04709 16273 66597  
09948 16930 50250

Attention, rpt msg, out

**6304 kHz, 20-06/21-06, 1205 UTC**

469/31 Attention

34327 40226 45035 88005 86781 72842 37671 63644 87362 46738  
74791 82468 85515 07258 33569 06893 74682 93544 64725 89989  
30246 87957 62835 43073 99793 85498 39107 54802 46746 78763  
91075

Attention, rpt msg, out

**4783 kHz, 20-06/25-06, 1605 UTC**

235/37 Attention

79840 00499 46442 28011 31331 22474 66899 33254 54949 26866  
23950 91455 50979 52073 92267 33972 15436 68262 03816 35783  
93203 19754 56884 95152 19332 79091 43574 90143 58494 74015  
57732 28944 87591 34425 97159 51442 43668

Attention, rpt msg, out

**8088 kHz, 22-06, 1730 UTC**

413/38 Attention

36483 49489 06100 49643 87021 30158 26506 61594 69838 87961  
82682 29149 45674 41878 25921 30982 09747 51690 09251 34039  
54881 53098 00286 61845 17641 66210 43044 30763 05633 17350  
67814 49987 36924 18345 31417 96035 62365 70863

Attention, rpt msg, out

**7600 kHz, 26-06/29-05, 0530 UTC**

644/35 Attention

17410 97377 72602 86012 82777 76678 03003 43665 45969 26246  
66843 20969 28634 27531 48552 99806 68186 04017 68145 50597  
78613 30257 10846 65986 23375 41086 11319 28676 32809 05257  
07497 56231 21939 77779 34046

Attention, rpt msg, out

**10213 kHz, 26-06, 0600 UTC**

188/31 Attention

83959 40220 10219 07593 02918 35672 68032 74018 28747 17293  
28070 36701 47763 92706 98561 66975 52577 66361 91084 87919  
47269 85785 01066 46686 88298 88192 40065 44118 34023 13838  
99728

Attention, rpt msg, out

**13527 kHz, 26-06/30-06, 1225 UTC**

525/37 Attention

19146 59269 41396 44273 59098 67042 98875 64871 06398 40360  
75635 30488 03196 81388 79386 14529 48097 13044 62227 17834  
27736 88709 15945 50268 88547 33228 88943 32496 93733 47819  
86514 34601 84715 21150 53044 62698 03045

Attention, rpt msg, out

**10429 kHz, 27-06/30-06, 0710 UTC**

634/38 Attention

73033 80584 76441 80838 47835 11263 57921 68749 97496 14061  
34392 19640 47336 50270 42763 47758 59729 12789 58342 24533  
64194 35028 57485 68158 76687 14663 67508 54379 07190 18353  
39182 62224 98361 31803 97389 18123 28637 80095

Attention, rpt msg, out

**8565 kHz, 28-06/29-06, 0315 UTC**

250/36 Attention

99849 00973 28623 85982 40338 79719 03064 91344 39955 13829  
48660 50503 42106 19050 25408 46114 90585 77329 45514 34749  
06322 21028 71171 30599 74693 62395 14343 53786 40497 73505  
25696 47382 35926 72673 46502 93602

Attention, rpt msg, out



**15720 kHz, 28-06/30-06, 0745 UTC**

343/31 Attention

56157 78988 50099 39433 30813 28094 77610 38720 31171 33758  
78029 31774 89731 88738 50622 94714 96442 28420 26268 71235  
08503 81708 28112 16350 82128 55207 26466 74875 95871 62938  
02839

Attention, rpt msg, out

**6304 kHz, 28-06/29-06, 0930 UTC**

275/40 Attention

47976 41771 87436 97297 99493 68922 73058 05104 65053 44707  
69979 12908 90096 12685 62845 24963 89033 75140 78274 24857  
57413 40320 55514 33542 76959 46901 85081 12100 47401 81531  
81325 63483 93154 67364 62329 19131 83924 58977 79095 63716

Attention, rpt msg, out

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E17z

**16780/12850 kHz, 01-06/08-06, 0800/0810 UTC**

674 231 5 83390 64021 75751 83876 43932 231 5 00000

**16780/12850 kHz, 15-06/22-06, 0800/0810 UTC**

674 298 5 42149 46198 36148 34433 36420 298 5 00000

**16780/12850 kHz, 29-06, 0800/0810 UTC**

674 674 674 00000

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E25

**6140 kHz, 13-06, 0758/0803 UTC**

360 360 360 360 360 360 360

Message, message, message

6080 8570 4003 6828 7368 3086 8570 9608

Rebeat, rebat, rebat

6080 8570 4003 6828 7368 3086 8570 9608

End of message. End of transmission

Recording: <http://priyom.org/media/181545/e25-6140am-20170613-758z-803z-bydmhz.ogg>

**6140 kHz, 21-06, 0744 UTC**

250 250 250 250 250 250 250 250 250

Message, message

7243 8011 1280 3586 9112 1368 5207 2477 5125 9644 1280

Rebeat, rebat, rebat

7243 8011 1280 3586 9112 1368 5207 2477 5125 9644 1280

End of message. End of transmission

Recording: <http://priyom.org/media/182624/e25-6140am-20170621-744z-byparkerwacht.ogg>

**6140 kHz, 22-06, 0743 UTC**

250 250 250 250 250 250 250 250 250 250

Message, message

7243 8011 1280 3586 9112 1368 5207 2477 5125 9644 1280

Rebeat, rebat, rebat

7243 8011 1280 3586 9112 1368 5207 2477 5125 9644 1280

End of message. End of transmission

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G06

**6887 kHz, 08-06, 1830 UTC**

842 289 54

12345 89657 45632 75684 95463 84567 06854 84657 91745 19567

85674 82821 85674 21972 91297 27890 84672 74284 73581 83861

74581 91248 17671 41812 97128 90486 43716 47534 85494 24353

91486 17410 97272 49191 04171 42468 12893 89758 43673 48727

51534 87281 87462 64874 74728 87284 84926 82941 81749 92471

67578 64618 84021 72492

289 54 00000

Windows-XP shutdown sound

**5943 kHz, 09-06, 1930 UTC**

218 289 54

12345 89657 45632 75684 95463 84567 06854 84657 91745 19567

85674 82821 85674 21972 91297 27890 84672 74284 73581 83861

74581 91248 17671 41812 97128 90486 43716 47534 85494 24353

91486 17410 97272 49191 04171 42468 12893 89758 43673 48727

51534 87281 87462 64874 74728 87284 84926 82941 81749 92471

67578 64618 84021 72492

289 54 00000

**5934 kHz, 15-06, 2030 UTC, i.p..**

??? 149 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564

01824 75643 84221 95647 92112 94543 76577 43435 47322 84232

95674 87344 57438 45763 49325 57438 92190 96785 21244 05674

01765 76354 83645 21234 97564 82133 07564 83234 75312 71211

05674 65374 67321 94884 23483 82521 41212 57333 85331 53234

05124 95732

149 52 00000

**6887 kHz, 22-06, 1830 UTC**

842 746 68

73631 85189 12389 18926 97147 35942 89458 71126 82354 61326

53874 57126 97347 12835 68458 32538 58128 32469 65914 39726

24673 25847 36895 84370 98356 98284 32878 94676 87128 37451

62367 43674 53297 26589 43896 42897 16317 36837 54651 26753

67458 37165 69126 98469 21693 26547 13287 45681 46645 87248

71694 36916 89596 47375 26356 32437 54564 75328 74326 49619

75687 21283 74554 36815 43287 54187 54387 12845

746 68 00000

Windows shutdown sound

5943 kHz, 23-06, 1920 UTC 111 111  
5943 kHz, 23-06, 1920 UTC 218 for 2 mins, then switches to 5936 kHz to avoid BC QRM  
5936 kHz, 23-06, 2132 UTC 111 111 1

**5936 kHz, 23-06, 2132 UTC**

218 756 68  
73631 85189 12389 18926 97157 35952 89558 71126 82355 61326  
53875 57126 97357 12835 68558 32538 58128 32569 65915 39726  
25673 25857 36895 85370 98356 98285 32878 95676 87128 37551  
62367 53675 53297 26589 53896 52897 16317 36837 54651 26753  
67558 37165 69126 98569 21693 26557 13287 55681 56655 87248  
71694 36916 89596 47375 26356 32437 54564 75328 74326 49619  
75687 21283 74554 36815 43287 54187 54387 12855  
756 68 00000  
Windows shutdown sound

Almost the same message as on 22-6. Digit 4 was replace by 5 in most cases.

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S06

**13944/11497 kHz, 08-06, 1500/1600 UTC**

387 569 41  
55166 35005 26791 61423 01677 06412 12379 03506 39752 19761  
17337 36072 24955 75114 28190 97772 55689 65241 87565 70667  
61861 12696 48340 94698 95987 19099 88817 87335 50181 43825  
74880 98090 47456 54258 80055 52572 80781 14830 99418 65791  
98329  
569 41 00000

**9943/7951 kHz. 16-06, 2000/2100 UTC**

516 239 78  
98684 39360 11214 28396 71072 63315 71770 56144 94122 69997  
70850 96711 10642 00276 84188 18790 91133 27487 66737 60492  
30319 47435 96133 25868 66200 50324 04470 77418 85037 09577  
53976 57338 69676 85373 33585 79053 33658 11578 34202 37145  
72266 03711 31356 05435 92288 62539 57549 88093 34672 04789  
50088 54218 99208 22300 14613 86770 54553 64718 41797 35855  
17252 88837 88353 05716 89457 20273 88101 83274 91748 11927  
36287 19276 66397 18343 76131 10843 28179 25576  
239 78 00000

**9953/7951 kHz, 17-06, 2000/2100 UTC**

514 239 78  
98684 39360 11214 28396 71072 63315 71770 56144 94122 69997  
70850 96711 10642 00276 84188 18790 91133 27487 66737 60492  
30319 47435 96133 25868 66200 50324 04470 77418 85037 09577  
53976 57338 69676 85373 33585 79053 33658 11578 34202 37145  
72266 03711 31356 05435 92288 62539 57549 88093 34672 04789  
50088 54218 99208 22300 14613 86770 54553 64718 41797 35855  
17252 88837 88353 05716 89457 20273 88101 83274 91748 11927  
36287 19276 66397 18343 76131 10843 28179 25576  
239 78 00000

2000 UTC: restarted after 3rd group.

**16022/13925 kHz, 22-06, 0830/0930 UTC**

842 610 49

28741 63962 00801 71595 98261 18428 95241 93321 49329 60056  
05437 07611 02468 59895 03801 37349 51187 55889 06974 75375  
82904 76205 86236 05327 26908 97824 54206 03826 09062 38819  
19972 84959 17942 07764 29895 72978 12078 58705 36221 14154  
22998 25146 60729 63736 33766 31460 45574 08946 37689  
610 49 00000

**16022/13925 kHz, 29-06/30-06, 0830/0930 UTC**

842 163 50

00594 86728 99782 80387 02306 42410 00811 33687 84895 12289  
17187 62101 17729 20811 34203 82391 11158 27420 62529 90176  
29571 60585 52104 48105 26036 59737 45565 71790 65704 61055  
50930 11933 30173 88033 38191 56069 19998 32779 89531 98393  
97530 38960 57839 51078 37281 22358 13212 95538 75980 89954  
163 50 00000

**10755 kHz, 29-06, 1303 ITC, test i.p.**

975 78459 (R) 246 31

30126 36217 29891 11947 03557 57850 83414 71079 80543 68035  
53 stops and restarts

975 (R) 78459 9 stops and restarts

975 78459 (R)

11947 03557 57850 83414 71079 80543 68035 53865 87270 12730  
stops and restarts

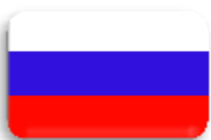
975 (R)

80543 68035 53865 87270 12730 42842 85829 79618 51444 93076  
79212 52013 12995 59538 09274 12081 67119 24000 25281 83183  
90763 46846 82459  
246 31 00000

Complete message reads:

975 78459 (R) 246 31

30126 36217 29891 11947 03557 57850 83414 71079 80453 68035  
53865 87270 12730 42842 85829 79618 51444 93076 79212 52013  
12995 59538 09274 12081 67119 24000 25281 83183 90763 46846  
82459  
246 31 00000



S06c

14563 kHz, 22-06, 1432 UTC 11190

14563 kHz, 22-06, 1435 UTC 11190

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*S11a*

**5149 kHz, 06-06/09-06, 0455 UTC**

320/35 Vnimanije

15848 81348 86461 14555 81784 49517 63809 20813 48239 07308  
06139 71005 79158 67409 14621 46238 26259 26513 61675 84154  
50759 35872 17481 54292 30971 90976 12723 55150 09085 63520  
69793 10385 76009 20854 05197

Vnimanije, rpt msg, konets

**8530 kHz, 06-06/09-06, 0915 UTC**

483/33 Vnimanije

70493 31486 74153 10060 49405 11549 14562 80609 42434 92079  
27785 91935 03613 10390 65112 42283 82618 40849 23166 39672  
40078 81082 03937 30311 75340 00952 63416 85524 00845 02427  
69987 40858 45907

Vnimanije, rpt msg, konets

**10210 kHz, 12-06/15-06, 1015 UTC**

471/33 Vnimanije

43592 47646 57513 64960 01162 32108 13777 00818 73322 10548  
32333 57963 89530 20275 16394 22761 46560 67498 20076 19970  
77504 07861 53638 71646 21079 28332 35499 59841 65829 20983  
75924 35785 90824

Vnimanije, rpt msg, konets

**8800 kHz, 13-06/16-06, 1020 UTC**

424/30 Vnimanije

32551 79709 01239 10285 04767 21365 33566 22188 62315 54904  
03599 27807 43784 24739 73573 82644 70549 53974 27419 32028  
67434 70413 64061 79350 37422 20490 35588 37618 67933 76959

Vnimanije, rpt msg, konets

**12457 kHz, 14-06/17-06, 1850 UTC**

287/38 Vnimanije

42753 39064 59493 64672 56411 60983 51408 84294 30224 50218  
45660 63404 98961 36112 42971 48142 56038 44498 11241 08635  
18691 57546 34563 04339 67776 39436 51372 36852 44576 78232  
84319 85050 30032 81178 41581 68949 35271 62259

Vnimanije, rpt msg, konets

**4870 kHz, 14-06/16-06, 1955 UTC**

378/32 Vnimanije

24567 62530 89649 39386 66342 83415 97387 31973 80747 55260  
82840 48889 50102 40194 68525 13836 08440 19900 33016 26643  
09235 62621 03460 35943 62800 92968 48375 37473 79753 84208  
71081 00104

Vnimanije, rpt msg, konets

**11092 kHz, 21-06/24-06, 1540 UTC**

560/36 Vnimaniye

03425 43920 69439 62780 80207 04048 43135 40193 41560 83561

18193 80435 95034 20197 84710 89534 84150 06764 33853 13797

11589 71685 92041 98190 06061 36880 66664 67524 70229 73846

65857 92007 96648 28672 78295 31588

Vnimabiye, rpt msg, konets

---



S25

**13883 kHz, 01-06, 0230-0240 UTC**

104 104 104 23864 23864 (R4)

44444 44444

25254 25254 25254 (R4)

44444 44444

24664 24664 24664 (R2)

11111 11111 00000 00000

**19891 kHz, 01-06, 1035-1043 UTC**

054 054 054 82248 82248 (R4)

054 054 054 80798 80798 (R4)

**17502 kHz, 01-06, 1045-1053 UTC**

054 054 054 93338 93338 (R4)

054 054 054 89208 89208 (R4)

054 054 054 00000 00000

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S28 - The Buzzer

Mode: USB

Frequency: 4625 kHz

05-06, 0736 UTC

ZhUOZ 74700 BORNOHLYeB 02528085

05-06, 0739 UTC

ZhUOZ 23958 BYKOMHAT 73344123

05-06, 1100 UTC

ZhUOZ 32935 ZhMOTOFON 38517289 GIDROLOG 23699449

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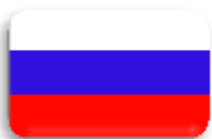
S5292

Frequencies: 3240 & 5252 kHz

Mode: USB

S5292's channel marker "D" has moved from 5292 kHz to 3240 kHz on 5 June.

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## V07

**12182/11182/10282 kHz, 11-06, 0700/0720/0740 UTC**

112 112 112 1 324 49 324 49

94537 10268 91770 98648 60768 20622 27263 60971 31621 63234  
33138 13958 11086 24083 14094 01282 11137 42671 97171 41377  
51120 23759 62040 65722 98755 32332 42747 26860 11295 60104  
93180 81280 34916 26618 00133 83248 72239 24157 05154 03126  
53361 19680 78028 76464 72518 46200 97456 42959 62267  
000 000

**10256 kHz, 21-06, 1129 UTC, i.p. with a different voice**

Found by Kristian. Nice catch!

**12182/11182/10282 kHz, 25-06, 0700/0720/0740 UTC**

112 112 112 1 722 61 722 61

48235 53732 93220 91219 32405 92616 57443 93029 30499 28793  
94468 39265 60534 31046 23919 56817 99130 50177 59502 72410  
21076 51876 45564 62221 19870 69893 53210 99125 84822 01950  
05835 28220 14546 13457 10643 22069 77443 08223 01225 88172  
90437 65201 92635 20303 31462 58484 33692 62684 65983 06822  
93302 16189 77519 65673 05460 27353 40787 45824 71889 70517  
51697  
000 000



## *V13 - New Star Broadcasting Station*

星星廣播電台 Xīngxīng guǎngbò diàntái

**Freq Date UTC**

11430	12-6	0500	New Star Broadcasting Station
11430	12-6	0600	New Star Broadcasting Station
15388	12-6	0700	New Star Broadcasting Station
15388	12-6	0800	New Star Broadcasting Station
11430	15-6	0500	New Star Broadcasting Station
11430	15-6	0600	New Star Broadcasting Station
15388	15-6	0700	New Star Broadcasting Station
15388	16-6	0700	New Star Broadcasting Station
15388	16-6	0800	New Star Broadcasting Station

**Freq Date UTC**

15388	18-6	0700	New Star Broadcasting Station
15388	18-6	0800	New Star Broadcasting Station
11430	21-6	0600	New Star Broadcasting Station
11430	25-6	0609	New Star Broadcasting Station i.p.
9725	27-6	1200	New Star Broadcasting Station
9725	27-6	1300	New Star Broadcasting Station
11430	28-6	0600	New Star Broadcasting Station
9725	28-6	1200	New Star Broadcasting Station
9725	28-6	1300	New Star Broadcasting Station



## V24

5900 kHz, 18-06, 1600 UTC	Music followed by numbers message in Korean
5715 kHz, 19-06, 1500 UTC	Music followed by Korean numbers
4900 kHz, 27-06, 1530 UTC	Music followed by Korean numbers

The recordings are on the N&O website.



## *VC01 - Chinese Robot* *Chinese Air Defense*

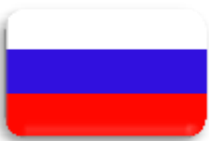
Modes: USB and LSB voice

The Chinese Robot lady has been heard on  
5037 kHz, 27-06, 1455 UTC  
5037 kHz, 27-06, 1550 UTC  
5037 kHz, 29-06, 1300 UTC

and also on various dates on 7474 kHz USB and 7684 kHz LSB

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## *MORSE STATIONS*



### *M01*

#### **6435 kHz, 03-06, 1500 UTC**

025 192 192 30 30 =  
11237 27172 98609 23741 06421 21853 02274 29868 13501 59787  
08602 06386 45930 08140 83676 35958 92003 09211 50007 46164  
57339 98674 99212 67772 93041 27962 84762 00804 46096 51142  
192 192 30 30 000

#### **6435 kHz, 10-06, 1455 UTC**      VVV VVV VVV

#### **6435 kHz, 10-06, 1500 UTC**

025 721 721 30 30 = =  
59680 80941 26965 47352 33453 03847 38895 58544 71027 58697  
26794 30109 77911 56916 95424 41743 51194 99157 72397 68774  
95417 20666 35505 59499 47450 38292 19627 21538 21057 41126  
= = 721 721 30 30 000

#### **4905 kHz, 15-06, 2000 UTC**

025 339 339 30 30 = =  
79363 39916 79475 41144 21760 93067 23875 03776 36917 42083  
80515 98165 15508 05332 19542 26864 47425 41772 07138 32784  
32485 46141 31997 89185 80105 65777 25684 42666 90112 83906  
= = 339 339 30 30 000

#### **6435 kHz, 17-06, 1500 UTC**

025 (no msg nr/gc)  
21991 70312 93002 75935 84192 23960 61143 78160 09415 68072  
93307 20192 67363 35076 53871 77851 30809 61246 28379 87657  
25587 71730 16576 63493 88943 93747 45861 86992 41629 53793  
= = 465 30 000 (sent once)



**6780 kHz, 18-06, 0700 UTC**

025 997 997 30 30 = =  
36324 34577 91581 11593 80174 41854 13521 47169 79354 (793543)  
41340 37521 88239 79639 43151 83638 26809 98366 (88366) 89422  
63925 92665 29463 15276 99926 90672 90969 86164 01504 33149  
55675 432731427  
= 9897 997 30 30 000

Note: Several errors in the repeats, and in the last group and outro.

**4905 kHz, 27-06, 2000 UTC**

025 499 499 30 30 = =  
49509 96393 23331 67254 23416 11940 87183 25058 76276 06185  
84201 72870 13965 91565 42157 68319 01919 39012 73651 59362  
31743 62185 77071 62901 19655 70194 00712 20245 72393  
499 499 30 30 000

Note: sent only 29 groups.

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*M01a*

**5165 kHz, 06-06, 0934 UTC, i.p.**

628 88942 88942  
628 88942 88942  
628 85092 86092  
628 86092 86092

**5102 kHz, 06-06, 1204 UTC, i.p.**

045 077 000

**4956 kHz, 28-06, 1055 UTC, i.p.**

634 634 634 07849 07849  
111

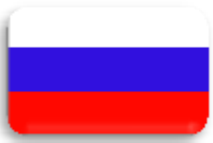
**4956 kHz, 28-06, 1109 UTC**

333 333 333 06294 06294 (repeated for 9 minutes)  
111

**4956 kHz, 28-06, 1124 UTC**

33305 33305 33305  
33310  
33314  
33317  
020 2023 020 2023  
33320  
33321  
33322 33322 33322  
33323  
33329 33329 33329  
33330  
33335 33335 33335 33335  
33336  
33337  
111 111 000

---



## M01b

### **5125//5735 kHz, 05-06/26-06, 1810 UTC**

364 317 317 32 32  
77738 06882 02256 07821 11349 73780 60423 50106 01672 99141  
90739 05098 54149 40544 26084 04232 43597 96442 69221 41037  
87742 31783 36341 63440 60762 25088 57324 71708 23913 78400  
82430 55856 = =  
317 317 32 32 000

### **5150//5475 kHz, 05-06/26-06, 1915 UTC**

858 317 317 32 32  
77738 06882 02256 07821 11349 73780 60423 50106 01672 99141  
90739 05098 54149 40544 26084 04232 43597 96442 69221 41037  
87742 31783 36341 63440 60762 25088 57324 71708 23913 78400  
82430 55856 = =  
317 317 32 32 000

### **5075//5465 kHz, 16-06, 1902 UTC**

336 317 317 32 32 =  
77738 06882 02256 07821 11349 73780 60423 50106 01672 99141  
90739 05098 54149 40544 26084 04232 43597 96442 69221 41037  
87742 31783 36341 63440 60762 25088 57324 71708 23913 78400  
82430 55856  
317 317 32 32 000

---



## M12

### **13873/13373/11473 kHz, 03-06, 1310/1330/1350 UTC**

834 834 834 1 9608 117 9608 117  
73822 60131 87716 08817 44493 50085 41006 48621 67466 30005  
35421 25786 10170 65797 65930 67047 07838 91739 15200 85660  
32197 27130 07248 05555 77888 61385 53582 54259 58098 33650  
41173 22067 49019 14768 96204 57842 86443 31188 65270 33460  
15586 25136 69436 12517 17122 09343 87629 50864 73030 41100  
91837 73715 80397 39268 61278 18954 04840 39746 02749 78055  
26373 62602 78836 04977 19718 82989 30068 77998 28353 85777  
92400 20657 38457 81457 08929 67398 88497 20111 70035 73253  
44755 87650 78992 13994 27157 33018 63439 96822 65500 09357  
00242 24958 72679 25412 60956 34986 66995 78782 61701 85929  
75375 86419 86563 67016 93141 75631 28760 42456 62758 55521  
18888 48275 66907 35897 12142 89450 18576  
000 000

**16117/14717/13417 kHz, 05-06/07-06, 1400/1420/1440 UTC**

174 174 174 1 4744 145 4744 145  
89515 76758 05908 65342 14153 72220 97250 93911 62167 69287  
61809 71669 49469 45589 93891 33650 95456 15895 16716 74253  
30102 79320 02821 37506 90227 31928 40977 20722 62365 57606  
77387 96076 91930 18118 05420 15640 82699 97738 63543 87127  
93509 09108 73155 15734 05523 16925 25461 68577 24471 90507  
56412 34068 21127 12423 59024 55654 51628 82042 72147 56758  
22808 23118 57468 06330 74641 18712 36304 69950 72752 70734  
29109 14353 57851 15030 68898 80982 44410 33528 43612 71492  
29082 21674 30514 14214 42775 23439 18764 17733 36195 67320  
51655 10876 29492 93349 42722 64008 73173 63523 19768 94351  
33731 84732 66365 12030 77752 41734 16078 72946 29079 71020  
85899 91280 44834 66416 46041 66911 19060 59723 35382 87567  
98266 59554 14154 64862 32053 10114 44177 38821 04140 81897  
10980 96796 30792 83315 05851 10424 90349 97919 57893 12942  
45552 68134 00508 76902 60665  
000 000

**9986/9086/7386 kHz, 07-06, 2100/2120/2140 UTC**

903 903 903 1 6470 169 6470 169  
91709 48196 59143 49290 97367 15788 27430 22925 56018 31760  
28761 77960 04304 48574 58062 67200 13288 58287 58108 34717  
07198 73043 42064 35416 13528 74410 31635 63450 30261 73625  
78441 97314 56146 15048 22425 08789 42035 92577 88233 89516  
54298 29695 03421 11243 38885 44924 98995 36439 94397 99856  
03062 17919 55785 94358 19970 14311 85742 74533 22660 09881  
22415 56982 77419 39944 44968 76223 61585 67710 71116 94082  
50574 47643 28087 58464 63088 69268 86341 75176 16873 66249  
27067 70128 22720 93181 06154 09679 89788 98305 33862 99094  
03462 78108 10414 19286 66133 43630 78943 20429 57611 91211  
75985 87636 64694 23311 20358 85729 40762 87146 94499 95636  
34086 60924 72349 68785 43685 31560 16173 77836 30452 78908  
63194 59028 67181 73675 57440 17730 98393 32465 06566 69589  
06636 95438 38444 28049 48308 27330 02992 33161 46088 23108  
15454 77524 76428 44539 44349 00563 87490 24492 96549 60995  
90575 85270 78560 59683 33696 95403 75379 64733 84547 16059  
40025 73795 99719 64724 90021 00780 52652 86160 72362  
000 000

**12193/11103/10293 kHz, 08-06, 0700/0720/0740 UTC**

112 112 112 1 169 63 169 63  
32201 18731 68779 49525 51889 87210 46187 63688 33556 65809  
48987 26679 68950 87164 60968 96408 57801 50840 43486 83453  
57510 59627 81106 03577 78544 78850 17122 06475 02272 72443  
78382 75564 15134 51744 41206 47866 06492 30602 61372 87138  
94028 61774 98070 87393 21163 00920 70426 86544 48E43 88941  
55643 24375 48397 96282 65357 05315 04130 27623 40922 33809  
97509 95446 04631  
000 000

**13873/13373/11473 kHz, 08-06, 1310/1330/1350 UTC**

834 834 834 1 8449 109 8449 109  
41186 14511 71470 67729 48347 06294 21628 77552 76483 68601  
97346 28737 75882 90483 38202 81524 40738 88989 08640 76843  
74410 65289 32437 13238 44639 71871 02208 55067 34086 07749  
54967 62790 42311 05049 71713 04979 77906 48713 47579 23352  
01094 08463 21803 91745 41218 60367 66144 74549 60099 87994  
19586 59011 89762 11160 66673 06288 40766 17527 07917 28122  
70178 77531 18033 15269 57010 60871 76767 94223 98493 36705  
52734 57134 41116 73184 24283 36257 22302 85829 66045 28779  
05079 31031 60607 62821 96689 03807 95183 79071 83077 06362  
86474 37683 46305 26300 53686 25335 59719 44264 03703 99005  
98709 08154 48255 61565 66897 33819 15164 73154 19234  
000 000

**9282/10982/12182 kHz, 10-06, 0500/0530/0540 UTC**

291 291 291 1 6470 169 6470 169  
91709 48196 59143 49290 97367 15788 27430 22925 56018 31760  
28761 77960 04304 48574 58062 67200 13288 58287 58108 34717  
07198 73043 42064 35416 13528 74410 31635 63450 30261 73625  
78441 97314 56146 15048 22425 08789 42035 92577 88233 89516  
54298 29695 03421 11243 38885 44924 98995 36439 94397 99856  
03062 17919 55785 94358 19970 14311 85742 74533 22660 09881  
22415 56982 77419 39944 44968 76223 61585 67710 71116 94082  
50574 47643 28087 58464 63088 69268 86341 75176 16873 66249  
27067 70128 22720 93181 06154 09679 89788 98305 33862 99094  
03462 78108 10414 19286 66133 43630 78943 20429 57611 91211  
75985 87636 64694 23311 20358 85729 40762 87146 94499 95636  
34086 60924 72349 68785 43685 31560 16173 77836 30452 78908  
63194 59028 67181 73675 57440 17730 98393 32465 06566 69589  
06636 95438 38444 28049 48308 27330 02992 33161 46088 23108  
15454 77524 76428 44539 44349 00563 87490 24492 96549 60995  
90575 85270 78560 59683 33696 95403 75379 64733 84547 16059  
40025 73795 99719 64724 90021 00780 52652 86160 72362  
000 000

**16269/14669/13369 kHz, 10-06, 2110/2130/2150 UTC**

263 263 263 1 7081 111 7081 111  
69668 25898 57465 30509 10863 77083 60139 73057 53229 30677  
12724 95974 21286 11574 92894 07177 93355 06085 84642 99864  
95021 75807 69821 43424 58356 88064 93042 09224 14940 45055  
90240 54730 50867 10868 04389 44707 85242 09702 79880 14254  
97863 24846 32086 77339 71508 74088 62713 78643 33550 56797  
79502 28306 29836 94928 62158 17095 27526 74064 18348 27388  
11929 16371 68895 02166 24558 67091 18557 32926 48700 63639  
54966 59095 97145 01220 65400 55400 89971 21833 22052 63594  
79578 37456 98816 28888 01605 55137 91325 38557 00058 59941  
79142 73387 42932 26201 60533 62869 42017 96975 34157 72810  
51691 09483 33764 92577 82342 72612 56653 87912 36325 47084  
83354  
000 000

**9986/9086/7386 kHz, 14-06, 2100/2120/2140 UTC**

903 903 903 1 4055 91 4055 91  
05742 62336 90951 24942 54714 72144 35115 28349 87605 12044  
08136 02019 50201 59572 36803 12423 40505 73708 77786 24292  
66409 13939 91738 20372 73494 56307 81330 10997 93813 02930  
20915 39548 68630 04223 13949 84806 71894 41253 57857 79812  
12250 52760 78382 01474 13410 95250 31525 52443 74624 74036  
82456 37653 01087 07055 21648 75829 95335 38526 42197 39512  
10309 37612 13903 68491 37297 33661 76325 80046 25436 90780  
36336 55822 72678 25367 49600 98019 03885 57643 21284 96361  
27690 67623 51129 58716 62291 39521 27924 55113 03950 51251  
13686  
000 000

**16269/14669/13369 kHz, 14-06/17-06, 2110/2130/2150 UTC**

263 263 263 1 1156 75 1156 75  
61352 26137 76377 79630 19095 73533 05472 50192 55365 40205  
91345 36280 84632 47990 60855 95692 88197 46599 50414 42763  
36339 15070 23167 90487 57827 68098 20855 60026 49581 09546  
77922 36650 60135 54950 79057 82650 57688 30297 95259 93217  
97709 97559 07329 50289 91005 77172 26407 88516 73823 87672  
70468 03514 96259 34105 22924 95594 77406 31016 17470 65931  
72405 69981 05362 54900 74829 59108 92388 68971 74637 32601  
96447 27821 60419 63556 65560  
000 000

**9282/10982/12182 kHz, 17-06, 0500/0530/0540 UTC**

291 291 291 1 4055 91 4055 91  
05742 62336 90951 24942 54714 72144 35115 28349 87605 12044  
08136 02019 50201 59572 36803 12423 40505 73708 77786 24292  
66409 13939 91738 20372 73494 56307 81330 10997 93813 02930  
20915 39548 68630 04223 13949 84806 71894 41253 57857 79812  
12250 52760 78382 01474 13410 95250 31525 52443 74624 74036  
82456 37653 01087 07055 21648 75829 95335 38526 42197 39512  
10309 37612 13903 68491 37297 33661 76325 80046 25436 90780  
36336 55822 72678 25367 49600 98019 03885 57643 21284 96361  
27690 67623 51129 58716 62291 39521 27924 55113 03950 51251  
13686  
000 000

**16117/14717/13417 kHz, 19-06/21-06, 1400/1420/1440 UTC**

174 174 174 1 5484 139 5484 139  
43494 01964 69146 51855 38603 75934 92299 47136 31679 99703  
94383 27534 92705 14249 76070 44048 41539 87559 59106 27725  
39557 31502 79072 68811 32386 97794 75731 42825 71689 50376  
26607 30398 68291 72660 50157 90870 87606 28523 52101 58799  
21041 13103 89645 50749 11560 24885 82067 91495 56172 44667  
07723 87032 42384 96199 75961 89828 76788 79143 30633 11869  
42894 51832 17883 84378 39740 68841 85262 33341 68404 96577  
99049 52957 70095 82101 27933 71515 22763 90038 66814 64995  
75336 02734 04528 10086 72856 89713 27189 45573 10007 29977  
87198 71951 01003 22260 98189 93813 38830 02608 05350 10120  
62125 53614 52718 25173 90945 62095 56545 88408 46227 86989  
40296 30001 16783 16080 77542 90265 87277 14312 96236 72094  
23025 57921 59112 88334 28223 80512 22595 19511 59603 90251  
41033 23052 08171 03280 01174 95776 35319 26707 63818  
000 000

**9986/9086/7386 kHz, 21-06/24-06, 2100/2120/2140 UTC**

903 903 903 1 5291 121 5291 121  
68418 51343 75949 63715 36137 08436 00837 52437 75090 44685  
16079 09575 15116 47371 76518 76630 90005 35071 60244 02577  
16053 35455 44991 62101 14000 04733 74545 30824 53080 20829  
33557 69135 67242 25738 80497 77050 17784 03081 70145 63768  
72255 99749 79191 51079 78508 94741 65062 29241 68702 60806  
65554 05633 79571 81078 21233 95294 32634 73743 77756 27595  
09522 75423 54920 48507 99005 14006 50079 33958 11034 60536  
96675 51409 02224 22023 86725 11719 84379 00361 30212 45240  
79272 80093 38556 60151 77995 63541 01932 45562 54497 62878  
38527 46745 11142 86144 19639 02881 06845 43102 10308 79357  
95273 09744 12942 33368 21150 15447 67006 53556 24502 97764  
50875 03904 87217 70129 55974 93426 26280 60029 88972 25545  
26619  
000 000

**13873/13373/11473 kHz, 22-06/24-06, 1310/1330/1350 UTC**

834 834 834 1 826 95 826 95  
33352 98649 84708 18475 55448 20720 54106 88229 58293 08148  
58860 07815 27834 60270 18280 44523 89032 19585 59020 01657  
20857 16456 03904 77467 14850 71522 32676 18965 47381 01904  
86088 07632 64219 51635 14629 49272 66916 93079 15151 81713  
87946 78840 47842 10174 88728 43980 74352 37948 92936 51006  
55432 82037 37651 14296 85214 63016 07713 16793 56795 94488  
18826 71844 66898 22432 25085 78071 40766 97009 60528 41422  
30567 03293 54277 91299 62186 29631 67387 98654 05799 59748  
61578 82112 45549 43075 28879 89484 71928 96027 53241 63676  
29005 57472 52156 10106 10867  
000 000



**M14**

**5430 kHz, 03-06, 0800 UTC**

**5560 kHz, 03-06, 0900 UTC**

171 273 273 55 55 =  
74653 26354 93746 27364 18263 72635 28716 81235 73654 87534  
16324 32543 17365 56374 82634 08743 17425 93764 37215 72543  
53645 27321 87364 25341 89765 74653 27345 46372 10763 36572  
17145 28364 37281 73764 82736 73652 18972 37485 83674 18902  
36452 63542 17453 63463 72831 36425 16723 97463 18234 92764  
73865 27354 52132 48736 91023  
273 273 55 55 00000

**18041 kHz, 08-06, 0500 UTC**

952 314 314 50 50 = =  
14678 45976 94326 90513 44326 06323 48671 85751 40343 96765  
08844 07154 53857 15897 57516 91685 62740 93284 18590 14103  
92012 85251 04796 68704 41371 06282 43522 42206 68296 38276  
91793 32410 00149 84809 76359 92361 73715 62611 19802 04687  
25636 47431 38635 15788 82140 16486 24297 84594 21543 54685  
= = 314 314 50 50 00000

**18041 kHz, 09-06, 0500 UTC**

952 680 680 55 55 = =  
91344 47981 74468 25611 10694 87298 72874 71547 34043 92963  
48838 04688 42047 22925 40419 31910 26984 02990 73794 44815  
25456 84115 18477 39574 36355 25975 73880 93505 22517 98976  
48171 03083 19507 21927 15344 13053 99962 77530 61451 91358  
66953 72904 55941 29547 74772 37302 09021 73354 00612 74230  
00995 13154 15547 10151 94519  
= = 680 680 55 55 00000

**18041 kHz, 14-06, 0500 UTC**

952 406 406 55 55 = =  
44008 63242 03599 50955 63788 74026 09823 07931 99711 17778  
93676 74871 83605 37394 63481 37496 39638 06618 27474 09627  
75081 27611 00447 60114 83678 91521 25317 14468 22538 06723  
33089 48378 48507 24419 89617 15324 24952 16298 02642 75448  
34887 83926 87491 17891 61387 04572 14944 93763 21225 43128  
89624 01965 62667 84853 32433  
= = 406 406 55 55 00000

**18041 kHz, 16-06, 0500 UTC**

952 430 430 50 50 = =  
38976 20284 85232 18247 30859 87499 43020 29302 64583 87710  
98808 65807 54372 70140 64226 88428 91133 02192 15609 50493  
74773 24779 39446 69000 88021 15196 15437 83625 10192 49677  
98071 08402 94327 82861 82692 05756 56155 86337 66961 37605  
48305 13456 43675 73187 18207 82596 85869 58315 73129 96087  
= = 430 430 50 50 00000

**5240 kHz, 18-06, 2300 UTC**

376 025 025 30 30  
34253 75648 07912 73546 25367 93521 64537 34218 93521 09362  
92631 47864 35263 81527 93627 08734 26351 53421 04625 99465  
74653 53421 84635 03564 73524 24312 75643 25634 75624 70689  
025 025 30 30 00000

**5240 kHz, 18-06, 2319 UTC**

Random keying, then 15280 29415 57500 then off

**5825 kHz, 19-06, 0000 UTC, repeat of 18-06, 2300 UTC with errors**

376 025 025 30 30  
34253 75648 07912 73546 25367 93521 64537 34218 93521 09362  
92631 ..... 5, stops 30 secs, then 47864 35263 81527 93627 08734 26351 53421 04625 99465  
74653 53421 84635 03564 73524 24312 75643 25634 75624 70689  
025 025 30 30 00000

**18041 kHz, 19-06, 0500 UTC**

952 186 186 60 60 = =  
79728 77412 86234 42728 63982 73604 10465 23492 82182 18033  
07462 21337 28585 00316 91997 18501 31265 20174 34425 00512  
61677 29000 37281 82957 87287 86756 88552 21565 40710 01408  
27536 85263 03779 43042 84243 96929 30007 49898 78264 71487  
53854 68474 88054 06061 60254 94898 26558 01888 12832 09765  
84125 22599 64245 23611 24650 18688 97101 75227 45860 72729  
= = 186 186 60 60 00000

**18041 kHz, 21-06, 0500 UTC**

952 860 860 55 55 = =  
68433 18767 81684 86062 49486 62308 69972 76399 25640 65305  
95630 55585 63944 07427 54039 60785 26227 53537 23218 25494  
72279 38413 31125 34907 29947 85925 95328 42947 74295 73630  
89721 24618 83054 78712 17976 62031 60503 66212 98427 87564  
47022 05471 90069 32585 56453 25744 14349 55177 08499 46905  
52449 45318 48319 46191 22750  
= = 860 860 55 55 00000

**18041 kHz, 22-06, 0500 UTC**

952 173 173 50 50 = =  
71955 48404 32657 43104 61881 16635 60464 83673 13700 27128  
02659 06849 08466 84745 56466 38384 48062 39505 49984 83781  
60079 04718 01601 69133 20753 65453 31070 40260 69417 44523  
58190 99839 12889 18176 50013 87207 43236 98679 02528 30527  
17362 25994 67754 26004 71840 35708 62184 23846 71451 95432  
= = 173 173 50 50 00000

**18041 kHz, 23-06, 0500 UTC**

952 846 846 55 55 = =  
05830 04246 83823 06736 09020 97181 37235 36485 66454 03843  
48366 83120 63800 57822 86425 73908 18528 27101 69521 65376  
18229 49419 60257 15057 48102 13449 90340 98256 43538 65448  
12624 62026 28732 46100 04031 33531 27277 87206 67790 24998  
55660 22943 08440 02439 35613 95339 78002 10325 86243 58697  
16806 69406 81890 12612 37360  
= = 846 846 55 55 00000

**18041 kHz, 26-06, 0500 UTC**

952 317 317 50 50 = =  
58571 74342 51583 33531 66161 89603 62378 99702 56733 34684  
17143 61658 13713 88308 92488 92370 26554 95676 79036 43065  
16980 68407 24891 79343 13366 25206 82733 35378 15454 84189  
15204 59607 16587 42819 38286 50377 75656 06354 07356 04956  
55930 50787 75600 30368 72979 31191 79485 89483 18862 71406  
= = 317 317 50 50 00000

**6856 kHz, 27-06, 1820 UTC**

163 825 825 53 53 = =  
64532 37645 87465 97352 35241 93672 16253 94673 27534 91625  
84673 27354 75653 92673 93863 10923 46537 82635 47653 92635  
37465 37425 26354 81542 93654 97213 27635 48763 87425 63724  
34251 74657 83545 92135 83542 83627 24352 46536 84673 26534  
92534 83564 72431 98354 62435 14231 74653 86546 64523 37647  
73546 53421 26534  
= = 825 825 53 53 00000

**18041 kHz, 27-06, 0500 UTC**

952 640 640 50 50 = =  
57395 76987 31418 35627 90631 28720 25911 27789 52555 57092  
27472 63684 20425 78168 40225 57950 12526 83834 00916 55914  
38476 12104 24194 28753 18781 63614 78854 23436 78302 87756  
12216 53394 43353 86867 64841 40848 97083 11925 42771 46735  
72857 48187 39463 49165 90310 14214 24633 56359 63762 22693  
= = 640 640 50 50 00000



**18041 kHz, 28-06, 0500 UTC**

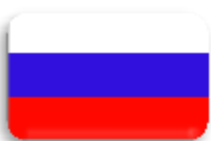
952 813 813 60 60 = =  
03244 34385 97703 06188 02212 46183 89429 68221 28146 48351  
30999 71036 23604 65267 77295 28964 34827 76067 38617 41618  
75480 02087 61655 17521 38540 35027 14078 15795 98503 16787  
27424 79360 71127 06888 77978 58079 22868 98429 10327 45262  
47221 68529 33271 76011 50136 74164 42800 60804 11710 29359  
51789 52772 16327 24665 31138 72110 68449 74859 92013 36049  
= = 813 813 60 60 00000

**18041 kHz, 29-06, 0500 UTC**

952 740 740 50 50 = =  
95072 53583 72749 45606 39853 10166 28332 33243 58603 66421  
20453 39782 79465 04046 37559 82235 36406 12386 98908 94564  
62572 48947 25902 28079 11085 37126 99447 82031 26714 18318  
89305 94061 16865 00628 66334 45192 95326 71329 33588 59071  
97203 65299 37200 00131 88483 06587 42989 00366 18663 65311  
= = 740 740 50 50 00000

**18041 kHz, 30-06, 0500 UTC**

952 686 686 55 55 = =  
18592 46323 33672 68862 37082 64648 85432 82166 45154 57981  
43024 55126 86820 09929 17224 80375 93975 98590 66676 66828  
64686 56763 42634 82158 69316 71293 29509 74268 51665 57539  
60900 70219 17315 69860 15808 76021 26378 34082 24705 25755  
32819 12873 40162 53434 37548 39962 51706 86071 47476 84153  
49613 81364 57707 29049 67305  
= = 686 686 55 55 00000



**M41**  
*Russian Air Defence Forces*  
*Во́йска ПВО Voyska PVO*

**5037 kHz, 16-06, 1800 UTC, i.p.**

GPY1 GPY1 GPY1 repeated for minute



**M89 - Chinese military**

**6852 kHz, 02-06, 1124 UTC, I.p.**

U WK NR K  
RPT WK NR K  
SK OK  
OK  
R R QSL 1926 K  
R R LA9 DE SWBUF QSA 2 K  
R OK QSL 1921 K  
R RLAO DE BRWQ QSA 2 K  
HR WK NR 404 K  
QSA 1 K  
QSA 1  
..9D DE LIJ. QSA 2 K  
C. OK

OK QSL 19.8 K  
R DE NJ.8 QSA 2 K (This appears to be outstation frequency)  
RP.. 1P 46 TO 47 K

**7573 kHz, 02-06, 1206 UTC, i.p.**

RPT K  
R R IEC = = 3049 AR K  
R IEC = = 4521 AR K (Normally exercise related)  
R R IHR FF GA K (Both stations on this frequency)  
K  
F GA K  
R  
R R FF GA  
NR 1821/EX 2006 RMKS 1401 TO .424 K  
K  
RPT K  
R R FF GA  
NR 1821/EX 2006 RMKS 1401 TO 1424 K  
R GA  
R FF GA = =  
G5RS/YBOI AR = = G5RS/YBOI AR = = G5RS/YBOI AR K  
R QSL 2008 K  
R OK  
R U F GA K  
R HR F GA  
NR 5442/EX 2008 RMSC 1424 TO 1401 K  
R R GA K  
R F GA = =  
E3N6/WBQ7 AR  
R QSL 2009 K  
R R R UP SB WK ? K  
RPT K  
R R UP SB WK ? K  
RPT K  
R UP SB WK K  
RPT K  
RRR UP SB HW ?  
R OK

**10222 kHz, 02-06, 0628 UTC**

F30S DE 8HMW K  
VV F30S DE 8HM NR 03 K QSY NR 02 K  
VV F309S DE 8HMW U QSY  
VV F30S DE 8HMW QSY NR 03 K QSY NR 03 K  
VV F30S DE 8HMW K (Sometimes sends long zero)  
VV F30S DE 8HMW QSY / 02 K QSY NR 07 QSY NR 17 K  
VV F30S DE 8HMW K  
VV F30S DE 8HMW  
VV F30S DE 8HMW QSY NR 13 K  
VV F30S DE 8HMW K  
VV F30S DE 8HMW QSY NR 22 EEE QSY NR 23 K  
VV F30S DE 8HMW K  
R QSA 2 NR 084  
NIL SK GB

**5364 kHz, 05-06, 1302 UTC, i.p.**

R QSA 2 K  
R HR F GA K  
R FF NR 199/EX 2103 RMKS 0415 TO 2... =  
BY9/TR. AR

NR 199/EX 2103 RMKS 0415 TO 2567 =  
BY9/TR0 AR K  
R R FF GA K  
R QSL 2109 K  
BOZ USE US DE WK K

**5410 kHz, 05-06, 1220 UTC**

R R U W. HR QSA 3 QSA ? K  
R HR QSA 3 QSA ? K  
R IEC BT 57N. IEC = 5786 AR K  
R IEC BT 5786 AR K  
R R QSB U QSY TO NR 6 NR 6 K  
U QSY TO NR 6 NR 6 K  
VV E8FW DE VRBZ K  
R K  
U QSY TO NR 5 NR 5 U QSY TO NR 5 NR 5 K  
R R VV  
VV E8FW DE VRBZ K  
U QSY TO NR 2 NR 2 K  
VVV E8FW DE VRBZ K  
U QSY TO NR 2 NR 2 K  
R K  
IEK  
VVV E8FW DE VRBZ K  
VVV E8FS DE VRBZ K

**5604 kHz, 10-06, 1050 UTC, i.p.**

R U MSG GA K  
R GA  
NR 1 K  
R R MSG GA AT AGN U MSG GA K  
R GA K  
R QSL 1857 K  
SK SK

**11241 kHz, 13-06, 1009 UTC, i.p.**

QSA 2 QSA ? K  
IEC = 5062 AR K  
R KP  
VV S8PS DE M4GX K. VV S8PS DE M4GX K  
R QSA 1 QSA ? K  
R IEC = 1953 AR K  
R KP  
VV O6SO DE M4GX K. VV O6SO DE M4GX K. VV O6SO DE M4GX K.  
VV T3PR DE M4GX K  
R QSA 2 QSA ? K  
R IEC = 1525 AR K  
R KP  
VV R3YS DE M4GX K  
R QSA 1 QSA ? K  
R IEC = 5127 AR K  
K R IEC = 5127 AR K  
R IEC = 1953 AR K  
R R KP  
VV U6OC DE M4GX. VV U6OC DE M4GX K  
R QSA 2 QSA ? K  
R IEC = 5762 AR K  
R KP  
VV X2TI DE M4GX K. VV X2TI DE M4GX K  
VV HR F GA K

B HR F GA K  
 R NR NR 2098/EX 1817 RMKS CQ K  
 R F =  
 N7UW/A5KZ AR =  
 N7UW/A5KZ AR K  
 R OK HR MSG GA K  
 R MSG NR 2099 CK 200 46 0613 1800 RMKS CQ K  
 1P =  
 365A 74U4 3UA4 6531 6363 TT77 .DU7 645T D7AA AATT U3NU (Cont'd) AR  
 V G8FV DE M4GX K  
 VVV G8FV DE M4GX K  
 AS  
 VV T3ZY DE M4GX K. VV T3ZY DE M4GX K. VV S8PS DE M4GX K  
 R CY HW K  
 R RPT 1P 47W = 36UD AR K  
 RPT 2P 63W = TA34 AR K  
 R OK U WK NR GA K  
 R OK  
 VVV O6SO DE M4GX K  
 R RPT 1P 28W = ANT6 AR K  
 R RPT 1P 36W = ANA5 AR K  
 R RPT 1P 76W = TD33 AR K  
 R RPT 2P 09W TO 10W = DA.3 ND4U AR K  
 RPT 2P 28W = T5N6 EEEEE 2P 28W = TT36 AR K  
 NPT 2P 37W = .354 CK  
 QSL ? K  
 R U WK NR GA K  
 R KP  
 VV T3PR DE M4GX K. VV T3PR DE M4GX K  
 VV R3YS DE M4GX K  
 RPT K  
 RPT 1P 45W = 776D AR K  
 RPT 2P 56W = 64U7 AR K  
 R U WK NR GA K K  
 U WK NR GA  
 R  
 VVV U6OC DE M4GX K  
 R CY HW K  
 R RPT 1P 16W = T776 AR K  
 RPT 2P 17W = DUDN AR K  
 R RPT 1P 29W = A5TR = A5TA AR K  
 R J EEEE RPT 29 EEEEE 2P 07 TO 08 = 56T6 3UTD AR K  
 R = 4N3U 33A3 A65N AR K  
 R U WK NR GA K  
 R J  
 VV X2TI DE M4GX K. VV X2TI DE M4GX K  
 SK GB SK GB

**5687 kHz, 15-06, 1127 UTC, i.p.**

644U 3UD6 UD5U A7T6 3A64 7T73 (Cont'd)  
 II K  
 = 43D5 7UN6 47DA DN4U (Cont'd)  
 III K  
 = A5T3 5AN3 A6TU A7T5 3NT7 (Cont'd)

**4366 kHz, 16-06, 1424 UTC, i.p.**

U5TAA 4D33 55DT 6U65 44TU (Cont'd) AR K K  
 R 39W TO 48W -  
 U74T 4674 U45D 6A6. TT7A NU63 .T3A 5T3N DN5T 53T4 AR K  
 .02 = 5UN3 ... 3 AR K

23W = AD7T AT7T AR K  
N 69 EEEE 64W = U34U U34U AR EEEEEEE W 445U 445U K  
72W A5N5 A4T ? A4N5 K  
AS 1W BT 3NDN 3D EEEEE 71 III ? 71W BT 3NDN 3NDN AR K  
01W = A655 A655 AR K  
RPT K  
R R SK

**5416 kHz, 17-06, 1654 UTC, i.p.**

U57D 745U 47N5 NA4D (Cont'd) AR K  
RPT 1W .. K (Both stations on this frequency)  
R RPT 1W 11W BT BT 5U.3 CK  
RPT (Cont'd to repeat groups)  
R QSL 0350 K  
RPT K  
R QSL  
NR 2.. K  
R OK AR  
PT QSL ? K  
R QSL 0350 K  
R R OK  
R UP SB  
OK

**5814 kHz, 22-06, 1315 UTC**

AR K K  
RPT  
R R  
GA  
R RPT 50W K  
R R (Other station appears to be on 5744)  
QSL 2122 K K  
HR WK NR NR 508 K K  
R R GA GB GB

**8050 kHz, 22-06, 0024 UTC**

R AH  
MSG GA K  
7G GA = =  
36.U D45N 3AU4 (Cont'd)  
AR K  
R RPT .... K  
R HR WK NR 116 K  
SK

**5154 kHz, 24-06, 1239 UTC**

1W TO 19W =  
T3D4 N6U4 4NN7 ... K.  
R RPT 67... K.  
R SK C K.  
HR MSG GA K.  
R  
NR 4160 CK 68 24 0624 2030 RMKS 1337368 TO 134.361 =  
U54D UN3. (Cont'd)

**4271 kHz, 27-06, 1901 UTC, i.p.**

DTU3 TNAU 3N4T 5A6N A6TU 4TDA (Cont'd)  
AR K  
R US EEE U MS EEEEE MSC EEEEE  
MSG G

**5197 kHz, 27-06, 1446 UTC**

MSG NR 2094 CK 73 54 0627 2240 RMKS 1319478 TO 1319476 =  
AND. 63UT D4NA 7DN6 D73A 3647 AU43 456U 7N6T AU5T NA4U DA57 (Cont'd) AR K  
R GA K  
R RPT PBL K  
R QSL 2258 K  
R MSG NR 2095 CK 62 34 0627 2240 RMKS 1319478 TO 1319476 =  
ADN3 73N6 54D3 35NA 67NT AD46 (Cont'd) AR K  
R RPT 60W 7ATU 7ATU K  
R GA K  
R AS  
RPT 33K EEEE RPT 33W K  
R AS  
RPT 70 EEEEE RPT 70W K  
R RPT 70W K  
R QSL 2313 K  
R AS  
MSG NR 2096 CK 74 30 0627 2240 RMKS 1319478 TO 1319476 =  
A7UD D7A4 7AU5 57DN D74T (Cont'd)

**4348 kHz, 30-06, 1808 UTC, i.p.**

RMKS 6906 TO .924 TO ..  
RMKS 6906 TO 6..4 TO 6948 TO 6919 TO 69.36 K  
R OK K (Both stations are on this frequency)  
MSG GA =  
N7.. UT6U D6N7 64.. (Cont'd) AR K  
R RPT 14W K (1810Z)  
W = A5U3 AR K  
R RPT 20W K (Cont'd repeat groups)  
R QSL 0210 K  
R HR WK NR 201 K  
R HR WK NR 2145 K  
RPT K  
R HR WK NR 2145 K  
SK SK  
R SK SK

XSG Shanghai Radio sending similar messages as M89/M95
--------------------------------------------------------

**12856//8665 kHz, 14-06, 0701 UTC, XSG Shanghai Radio**

63DN T4U7 53T4 AAUT Cont'd)  
AR  
NEXT = N/W NR 82 = =  
N/W XSG NR 82 CK 98/94 14 1035 = =  
3337 53T5 6UU6 (0453) 7TUU 3T6D (Cont'd) AR  
NEXT = N/W NR 80 = =  
N/W XSG NR 81 CK 70/51 13 2059 = =  
3ADA 53TT 6UU6 (0389) U63N 3ADN (Cont'd) AR  
NEXT = N/W NR 80 = =  
N/W XSG NR 80 CK 97/80 13 2047 = =  
3ADA 53TT 6UU6 (0388) (Cont'd) AR  
NEXT = N/W NR 79 = =  
N/W XSG NR 79 CK 81/77 13 1643 = =  
3337 53TT 6UU6 (0452) U635 A55D 34N4 (Cont'd) AR  
NEXT = N/W NR 78 = =  
N/W XSG NR 78 CK 64/60 13 1638 = =  
3337 53TT 6UU6 (0451) 7DT6 3AD4 3T6D 3AD4 3T6D (Cont'd) AR  
NEXT = N/W NR 77 = =  
N/W XSG NR 77 CK 147/126 13 1625 = =

3337 53TT 6UU6 (0450) U635 A55D 34N4 3ADN (Cont'd) AR  
NEXT = N/W NR 76 = =  
N/W XSG NR 76 CK 60/57 13 1454 = =  
3337 53TT 6UU6 (0449) 7TUU 3T6D (Cont'd) AR  
DE XSG VA

---



M95

**7553//9153 kHz, 01-06, 0912 UTC**

BNEC (x3) DE XSV70 (x2) V  
HR MSG TO YR PSE CY  
NR 455 CK 96 35 0601 1536  
UU5 UT3 TTA 3U6 3A4 TT4 773 353 4T7 445 (Cont'd)  
MSG AGN  
NR 455 CK 96 35 0601 1536  
UU5 UT3 TTA 3U6 (Cont'd - repeats message)  
A HR 7G GA  
NR 456 CK 170 35 0601 1536  
UU5 UT3 TTA 3U6 TT4 773 3AD 357 37U 4T7 (Cont'd)

**9054 kHz, 01-06, 0836 UTC**

VV HR MSG TO YR PSE CY  
VV HR 7G TO YR PSE CY  
NR 029 CK 19 35 0601 1431 =  
5TD UTT TTA 3U6 3A4 35U N3D 353 4TU U7U  
N4A 445 3DA TTU TT3 773 446 3DU 4D3 AR  
7G AGN  
NR 029 CK 19 35 0601 1431 = (Repeats message) AR  
A HR 7G GA  
NR 093 CK 23 35 0601 1559 =  
UT5 TTA 3U6 3A4 TTA TTU TT3 773 45U N3D  
347 373 7U4 T.4 464 4AN NDN 344 .64 674  
DD 3DU N4D 3D3 AR  
AR  
7G AGN  
NR 093 CK 23 35 0601 1559 = (Repeats message) AR  
AHR 7G GA  
NR 02 CK 162 35 0601 1610 =  
UTU TTA 3U6 3A4 TTU 773 45A N3D 353 34T (Cont'd) AR  
7G AGN  
NR 02 CK 162 35 0601 1610 BT  
UTU TTA 3U6 3A4 TTU 773 45A N3D (Cont'd)

**4243//9054 kHz, 02-06, 1147 UTC**

VV HR MSG TO YR PSE CY  
NR 031 CK 20 35 0602 1534 =  
5TD UTT TTU 3U6 3A4 354 373 4T3 N3D 4A4  
U7U N4A 445 3DA TTU TT3 773 436 3D3 4D6 AR  
7G AGN  
NR 031 CK 20 35 0602 1534 = (Repeats message) AR  
A HR MSG GA  
NR 04 CK 152 35 0602 1630 =  
UTU TTU 3U6 3A4 TTU 773 354 373 N3D 35U (Cont'd) AR  
A HR MSG GA  
NR 096 CK 2135 0602 1643 =

T.3 U6 3A4 TTA TTU TT3 773 353 N3D 35U  
4T. 44. 336 DA5 N34 445 4D5 3D. N3D 3DA AR  
A HR UP SB WK AR

**4364//8073 kHz, 02-06, 1137 UTC, i.p.**

V BNGC (x3) DE XSV85 (x2) (cont'd)  
HR MSGS GA PSE CY  
NR 0452 CK 174 35 0602 1549 =  
TTU 3U6 3AN 3U7 TAU 773 354 367 4AA NN3 (Cont'd)

**4364//8073 kHz, 05-06, 1148 UTC, XSV85 i.p.**

773 354 374 4AA NN3 445 474 437 (Cont'd) AR AR  
7G AGN  
7G NR 0464 CK 119 35 0605 1802 =  
TT6 3U6 3AN 3U7 TA3 773 TA7 773 357 373 (Cont'd)

**4243//9054 kHz, 05-06, 1153 UTC, i.p.**

336 N3U 447 4D6 336 N3U 4DD 3DA 336 (Cont'd) AR  
A HR MSG GA  
NR 0060 CK 1735 0605 1627 =  
UT5 TT5 3U6 3A4 TTA TTU TT3 773 357 37U  
4AD 33N N3D 4T7 445 4D3 3DA AR  
A HR PSE WK

**8073 kHz, 11-06, 1140 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSG PSE CY  
NR 0482 CK 46 35 0611 1554 =  
TT6 N5U (Cont'd)

**4243//9054 kHz, 11006, 1145 UTC**

VV A HR MSG TO YR PSE CY  
NR 049 CK 1. 35 0611 1534 =  
5TD UTT TT3 TT3 (Cont'd) AR  
A HR 7G GA  
NR 22 CK .21 35 0611 16.. =  
UTU TAA 3U6 3A4 TTU 773 (Cont'd) AR  
A HR 7G GA  
NR 024 CK 18 35 0611 1628 =  
UT5 TAA (Cont'd) AR  
A HR UP SB WK

**9054 kHz, 12-06, 2347 UTC, i.p.**

AR  
7G AGN  
NR 028 CK 17 35 0613 0555 =  
UT6 TA3 3U4 3A4 TTTA TT. TT3 773 35A U.T  
353 4.D 446 4D6 N3D .D3 3DA AR  
A HR 7G GA  
NR 052 CK 19 35 06A3 0647 =  
5TD UTT TA3 3.4 3A4 35. 4T7 N3D ... U7U  
... 444 3DA TT. TT. 773 435 3DU 4D4 AR  
7G AGN  
NR 052 CK 19 35 0613 0647 =  
5TD UTT TA3 3U4 3A4 353 4T7 N3D 4A3  
.7.. A 444 3DA TTU TT3 773 435 3DU 4D4 AR  
A HR 7G GA  
NR 25 CK 064 35 0613 070. =  
UTU TA3 3U4 3.4 ATU 773 353 (Cont'd) AR  
7G AGN



NR 25 CK 064 35 0613 0703 =  
TA3 3U4 3A4 TTU 773 (Cont'd) AR  
A HR L W SB WK AR

**4364//8073 kHz, 13-06, 1138 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSGS GA PSE CY  
NR 0494 CK 216 35 0613 1613 =  
TA3 346 3TN 3U. TAU 773 357 (Cont'd)

**4243//9054 kHz, 13-06, 1148 UTC**

VV HR MSG TO YR PSE CY  
NR 053 18 35 0613 1508 =  
5TD UTT TA3 3U6 4T4 35T (Cont'd)  
AR MSG AGN  
NR 053 18 35 0613 1508 =  
5TD UTT (Cont'd) AR  
A HR MSG GA  
NR 26 155 35 0613 1623  
... 33. T5 3A4 TTU 773 (Cont'd)

**7553//9153 kHz, 13-06, 0954 UTC, i.p.**

CK 112 35 0613 0723  
UU5 UT3 TA3 3U4 TT4 773 353 (Cont'd)  
MSG AGN  
NR 393 CK 122 35 0613 0723  
UU5 UT3 TA3 3U4 TT4 773 (Cont'd)  
ZNN SK (1005z)

**4364//8073 kHz, 15-06, 1139 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSG GA PSE CY  
NR 049 CK 123 3  
NR 0499 CK 239 35 0615 ....  
.... 773

**4243//9054 kHz, 15-06, 1145 UTC**

VV HR 7G TO YR PSE CY  
NR 057 CK 17 35 0615 1450 =  
5TD UTT TA5 3A6 3A4 353 4AA U7U N4A  
445 3DA TTU TT3 773 446 3DU 4D3 AR  
7G AGN  
NR 057 CK 17 35 0615 1450 BT (Repeats msg) AR  
A HR 7G GA  
NR 036 CK 18 35 0615 1632 BT  
UT5 TA5 3U6 3A4 TTA TTU TT3 773 35U DN7  
353 4AA 446 33U N3A 435 4D3 3DU AR  
7G AGN  
NR 036 CK 18 35 0615 1632 BT (Repeats msg) AR  
A HR 7G GA  
NR 30 CK 07D 35  
NR 30 CK 076 35 0615 1635 =  
UTU TA5 3U6 3A4 (Cont'd) AR  
7G AGN  
NR 30 CK 076 35 0615 1635 =  
UTU TA5 3U6 3A4 (Cont'd repeat message) AR  
A HR UP SB WK

**4364//8073 kHz, 20-06, 1136 UTC**

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY  
NR 0509 CK 168 35 0620 1615 = =  
TAT 3U6 3AN 3U7 TA4 773  
MSG RPT GA =  
TUT 3U6 3AN 3U7 TAU 773 TU5 773 357 (Cont'd)

**4364//8073 kHz, 21-06, 1135 UTC**

V BNGC (x3) DE XSV85 (x2)  
A HR MSG PSE CY  
NR 0511 CK 1.. 35 0621 1610  
T.. 3U6 .A.. (Cont'd)

**4243//9054 kHz, 21-06, 1147 UTC**

VVV HR 7G TO YR PSE CY  
NR 69 CK 18 35 0621 1452 =  
5TD UTT TUA 3U6 3A4 356 3T4 4T7 U7U N4A  
444 3DA TTU TT3 773 435 3DA 4D4 AR  
7G AGN  
NR 69 CK 18 35 0621 1452 = (Repeats message) AR  
A HR 7G GA  
NR .. CK 16 35 0621 1... =  
(Q26 just came up - unable to copy)  
AR  
7G AGN  
NR 054 CK 16 35 0621 1610 =  
UT5 TUA 3U6 3A4 TTA TTU TT3 773 353 DN7  
35U 36U 4AD 445 4DU A3DA AR  
A HR 7G GA  
NR 42 CK 132 35 0621 1625 =  
UTU .UT 3U6 (Cont'd)

**8073 kHz, 22-06, 0009 UTC, XSV85 i.p.**

773 TUU 773 356 (IP - Cont'd - 0009z)  
AR  
MSG AGN  
7G AGN  
NR 0512 CK 101 35 0622 ..48 =  
TUU 3U4 3A4 TAU 773 TA7 773 357 (Cont'd)  
AR AR

**7553//9153 kHz, 22-06, 1326 UTC**

773 3AD 357 (Cont'd)  
MSG AGN  
NR 525 CK 161 35 0622 1544  
.... (Cont'd)  
ZNN SK



UM03 - X2M

**7920//8250//8410 kHz, 01-06, 0902 UTC, i.p.**

AR  
11 11 CK 100 CK 100 TIME 1603 TIME 1603 DATE 0106 DATE 0106 =  
U7D45 D43A. ...

**7920//8250//8410 kHz, 13-06, 0918 UTC, i.p.**

17 17 CK 100 CK 100 TME 1617 TIME 1617 DATE 1306 DATE 1306 =  
NT6U5 3NT6U T6374 U7D45 (Cont'd) AR  
19 19 CK 100 CK 100 TIME 1623 TIME 1623 DATE 1306 DATE 1306 =  
73A4T 3A4TN A7354 6A4UD 3NT7A 6D735 (Cont'd) AR  
ZO.15  
CQ (x3) DE X2M (x2) VVV (Cont'd)  
MSG MSG ENG ENG MSG ENG ENG  
21 21 CK 100 CK 100 TIME 1632 TIME 1632 DATE 1306 DATE 1306 =  
UDN5A 4UAD5 N4T63 7U43N A7UD4 (Cont'd) AR  
23 23 CK 100 CK 100 TIME 1638 TIME 1638 DATE 1306 DATE 1306 =  
4T6AD A6.74 DAN46 (Cont'd)

**7920//8250//8410 kHz, 20-06, 0724 UTC, i.p.**

... CK 100 CK 100 TIME 1424 TIME 1424 DATE 2006 DATE 2006 =  
TWLNC DG... (Cont'd) AR  
... CK 100 CK 100 TIME 1429 TIME 1429 DATE 2006 DATE 2006 =  
BQSKZ UWLOD MODFV PSJYB ZOQFI (Cont'd) AR  
13 13 CK 100 CK 100 TIME 1435 TIME 1435 DATE 2006 DATE 2006 =  
KNCET CFUWL UJYAP BQSJZ WLNCF ADSUJ (Cont'd) AR  
15 15 CK 100 CK 100 TIME 1440 TIME 1440 DATE 2006 DATE 2006 =  
RGIX. (Cont'd) AR  
17 17 CK 100 CK 100 TIME 1446 TIME 1446 DATE 2006 DATE 2006 =  
DSUJM VKMNC LODFU (Cont'd) AR  
19 19 CK 100 CK 100 TIME 1450 TIME 1450 DATE 2006 DATE 2006 =  
ETWLN WLODF ODSJY JZDQS GUJLA (Cont'd) AR  
ZOM15  
CQ (x3) DE X2M (x2) VVV (x3)  
MSG MSG ENG ENG  
CQ (x3) DE X2M (x2) VVV (x3) MSG MSG ENG ENG MSG ENG  
01 01 CK 100 CK 100 TIME 1456 TIME 1456 DATE 2006 DATE 2006 =  
TVKNC LNCFU PRGJY JYNQF CRTIL JLADS (Cont'd)

Normally sends cut numbers

**6710 kHz, 23-06, 1022 UTC, probably UM03 i.p.**

RJIWL THYVU D.XNJ HJBIG GZFPE DZROR (cont'd) AR 7G  
NR 85774 NR 85774 CK 82 82 = =  
LFXEB ?LFXEB IBSEK VHA.Q FQK. (Cont'd) AR 7G  
7G //85.63 / 85863 .... = (Audio problems) (Change in operator)  
LTEJG SUNTJ EEXNC FEIUM WARQC (Cont'd) AR 7G  
7G //85963 /85963 AL =  
RWLTJ XHCNY RMVCK EKYHK TQWRI (Cont'd) AR 7G  
//86064 / 86064 AL = (Sent letter O for zero)  
GREN. FSYBW UCPFO UJUQR (Cont'd) AR 7G  
= NR 86164 / 86164 /86164 CK 17 CK 17 =  
SSTKJ FGAJF JGDJ FAOZE (Cont'd) AR  
7G E6 ..... (Audio problem - Missed message number)  
= = GIYGIY J = GIY.Y OTBJ. (Cont'd)  
AR NW NW  
Z..  
O5E O5E O5E O5E O5E CY CY  
7G NR 86264 NR 86264 CK 82 CK 82 QDR QDR =  
WGYCG ROGMN HYTID TEFYA (Cont'd) AR 7G  
7G NR NR 86364 NR 86364 CK 82 AL =  
.G.TP HGZAY URBUV TAARR (Cont'd) AR 7G  
BT NR 86464 NR 86464 AL =  
HOWWG AGTSA GQIBF AVDAV (Cont'd) AR 7G  
7G NR 86564 NR 86564 AL =  
JQOSL RDHR. UAFO. (Cont'd) AR 7G

/86/86664 NR 86664 NR 86664 AL =  
 IBOMR WGAUM XUBZK (Cont'd) AR 7G  
 /86775 / 86775 CK .2 CK .2 AL =  
 IEPR L CGKT. (Cont'd) AR 7G  
 ZNN ZNN  
 O. YN ..... K  
 NR S R R R R R R R R R R R R R R  
 DE  
 QRM QRM OQSO QLP 1. QLP 1. QSV K  
 DE  
 CGS ? /  
 CK QTC ?  
 OK OK ZCQRX ... K  
 VA  
 O QSV K (Other station not heard on this frequency)  
 R R R R R R R R  
 DE DE  
 JPI R 8R QSV K  
 R R R R R DE DE  
 3LE QSL ? /  
 QTC ?  
 OK G Z QRX VA VA  
 QSV K  
 R R R R R DE  
 JPI QSB ? /  
 OK OK QTC ?  
 QSV K  
 R R R R DE DE  
 8AK QS. ?/  
 QTC ?

**7920//8250//8410 kHz, 24-06, 0831 UTC, i.p.**

CQ DE X2M MSG MSG ENG ENG MSG ENG  
 O. .. CK 100 CK 100 TIME 1... TIME .... DATE 2406 DATE 2406 =  
 T.TNC LNCFU PRGJC (Cont'd)

**7920//8250//8410 kHz, 27-06, 0846 UTC, i.p.**

X2M i.p. AR 05 05 CK 100 CK 100 TIME 1545 TIME 1545 DATE 2706 DAE 2706 =  
 T.734 .3NT6 (Cont'd)

**5650 kHz, 29-07, 1206 UTC, tentative UM03 i.p.**

NR 08742 NR 08742 K K CK 30 CK 30 = EKPHX XOKGB YPEGL LCIEA CYBIK ...



**UM10 - 10-minutes net**

4067 kHz, 07-06, 1455 UTC	NZO6 //3568 kHz
4065 kHz, 09-06, 1750 UTC	NZO6 //3568 kHz
4065 kHz, 13-06, 1623 UTC	NZO6 //3568 kHz
4065 kHz, 15-06, 1753 UTC	NZO6 //3568 kHz
7378 kHz, 15-06, 1021 UTC	RVOX //6203 kHz
4065 kHz, 24-06, 1252 UTC	NZO6
4065 kHz, 25-06, 1256 UTC	NZO6
4065 kHz, 27-06, 1856 UTC	NZO6 //3568 kHz

## DIGITAL MODES



### *HM01* Dirección General de Inteligencia

Modes: AM voice and RDFT

#### HM01 oddities

Groups 57504 70456 86373 32342 31821 64831 were repeated from 19 May till 16 June.

#### **17480 kHz, 15-06, 2200 UTC**

57504 70456 86373 32342 31821 64831.

Still repeating the groups of 19 May

At 2227z RDFT off, 2228z Windows sound, at 2231z several uno uno uno uno, then transmitter off

#### **10860 kHz, 16-06, 0457 UTC**

Windows sounds; then at 0500z: 65128 26813 77452 75814 30455 55864 Finally new groups !!

#### **11435 kHz, 16-06, 1558 UTC**

65128 26813 77452 75814 30455 55864; then at 1628 UTC Windows sounds

#### **11435 kHz, 24-06, 1600 UTC**

New groups: 76127 48762 06621 10843 51773 14054. Repeated during the rest of the month.

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### HM02

Modes:  
FSK-19.8Bd/129Hz and FSK-CW

#### **4761 kHz, 01-06, 0431 UTC Late start.**

310 42 =

40818 10564 08583 45415 38843 83887 34705 24734 52703 83265  
31865 42543 22712 21547 26222 57323 88050 34473 12264 32856  
53408 87745 87204 31067 70030 75175 82467 51008 25813 82235  
37058 56448 02651 22570 17014 30001 24688 60458 18626 04740  
25028 58104 =

#### **4761 kHz, 02-06, 0420 UTC**

906 43 =

27687 30547 88377 14662 33342 11420 02613 83878 02707 37142  
86855 31584 36628 55818 61787 00702 55671 84427 85281 41427  
80244 67471 81872 46458 17022 55612 10835 77611 78464 33048  
84415 75678 22622 55867 53352 12761 62656 72526 35123 56258  
03203 55638 10731  
= 906 43 906 43 = repeats message = 906 43 000

Note: Repeat of 28 May with same id

**4761 kHz, 03-06, 0420 UTC**

291 48 =

12649 08179 48307 61973 62828 21299 41755 28935 00332 30668  
78326 32934 25231 49987 43062 63997 29232 14611 12987 81279  
29975 44390 16623 78384 96004 70816 74533 59168 76907 09136  
64489 66393 14742 53692 14278 68195 61964 16272 28545 63603  
01290 14015 31639 06868 75986 08862 78314 50613  
= 231 48 231 48 = repeats message = 231 48 000

Note: Repeat of 9 May and 27 May with a different id

**No transmission on 4 June.**

**4761 kHz, 05-06, 0420 UTC**

Too late to listen, just caught the final groups:

50460 58412 08032 84003 54740 04677 = = 319 47 000

No transmission on 6 June.

**4761 kHz, 07-06, 0420 UTC**

813 48 =

18971 29005 80926 61796 17609 93302 25527 04616 30463 97178  
25424 54442 35484 81853 42290 13742 94411 69073 17740 16462  
69780 74596 57669 72623 74131 60161 38541 69462 98834 68773  
94569 36226 64663 40753 26744 03258 13815 12583 94196 54492  
04099 05511 00226 17728 41534 37063 62268 87284  
= 813 48 813 48 = repeats message = 813 48 000

**No transmission on 8 June.**

**4761 kHz, 09-06, 0420 UTC**

962 49 =

14051 55971 56957 97537 62115 36413 00044 89289 93487 36301  
66098 0763x 18xx3 16388 40326 70073 61516 02506 18951 82657  
57571 17363 39178 94890 45446 95061 64812 56354 88753 97196  
xx272 38235 25680 59924 64929 09822 71025 63680 67977 78343  
31461 83096 47x84 38341 00175 69109 44437 03363 12156  
=962 49 962 49 = repeats message = 962 49 000

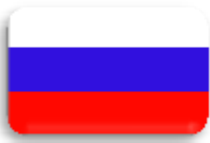
Note: extremely fast, noisy, weak and fading

**4761 kHz, 13-06, carrier from 0416 till 0436 UTC. No transmission**

**No transmissions heard after 10 June.**

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**F01, F06, M42, M42a,  
M42b & X06**



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



M42 – various modes

**10157 kHz, 25-06, 0752 UTC, CW**  
UCC DE RDK RDK QSY 10231 QSY 10231  
UCC UCC DE RDK RDK QSY 10231 QSY 10231

**10231 kHz, 25-06, 0755 UTC, CW**  
UCC UCC UCC QSY 9320 QSY 9320 K  
UCC UCC UCC QSY 9320 QSY 9230 BK  
QSA4 K  
NIL K  
SK

F01 – FSK 200/500

**16322/14804/12207 kHz, 03-06/10-06/17-06/24-06, 1810/1820/1830 UTC**  
)5761 00000+++++++162

**9223/11083/13421 kHz, 15-06, 1735/1745/1755 UTC**  
58948 39865 07059 23703 73298 93230 77960 78555 49191 80332  
49242 01608 36629 73237 66463 21799 61050 77820 27430 45331  
14288 32318 93719 07010 80000 78248 64005 30656 04521 58375  
82652 65797 49041 21417 81991 92816 84094 38174 81728 13736  
12251 58778 93920 70841 29977 65735 06950 60324 64594 02460  
46949 33131 47268 81984 40096 00202 07976 05535 24228 84301  
03378 45652 83214 85606 13543 73552 02515 53265 68455 35420  
69368 80085 90244 07304 66047 62570 62073 83321 29621 93457  
59631 76850 76653 78981 06152 39391 16285 98020 36913 26797  
00126 45324 84140 67556 82409 26018 18263 12811 88832 93561  
06449 72796 17526 48346 74370 69402 20590 39136 82124 59530  
39638 34515 50251 08941 93775 56554 96786 21273 43464 93860  
71293 51933 78696 36222 96797 61529 04931 98005 55570 88546  
25209 22530 79701 45946 41913 84568 32391 71379 26581 33193  
90900 85705 31228 42129 67105 39488 39613 59829 26581 52179  
81876 76432 92159 73656 61004 49804 42899 22822 64536 57856  
44400 82924 59971 69310 71406 58323 97301 50119 08629 22355  
67111 47706 40731 11005 87679 20241 67408 42065 19524 03103  
04508 64469 30826 29755 57115 67492 62173 49194 75557 04497  
64046 07169 30246 10922 05511 83352 66314 21196 77528 01673  
23970 14260 39339 55956 35511 42400 81343 18107 34937 23056  
02930 20980 41102 05213 00000

**19224/17491 kHz, 02-06, 2230/2240 UTC**

**19224/17491 kHz, 02-06, 2330/2340 UTC**

1177 00116 27565 02022 01679

**19224/17491 kHz, 23-06, 2233/2240 UTC**

11177 00116 64572 16024 01789

88977 64303 09254 05946 92247 75481 28936 80210 51108 50646  
25862 84724 06299 08131 10340 39196 93380 56640 04626 75698  
72829 96027 61321 59914 91075 87048 04296 10422 20552 90283  
80409 19625 44993 60502 94351 74314 69422 64128 89288 86838  
33380 47689 06879 03337 32652 65879 60410 48708 62479 39283  
01789 15492 57499 45935 70819 97825 34902 11962 12073 11905  
67740 64748 58260 66462 89607 01013 77264 52029 09945 10378  
86046 76097 59785 33837 93787 41909 88584 37138 09799 32437  
12202 17517 41711 17040 85166 21964 80810 22975 64637 97491  
70608 53941 54155 49838 52227 03463 63344 39725 89024 76571  
33385 10876 35080 41135 93415 08356 59907 63761 50650 81226  
91042 74032 80370 03492 74252 44386 08922 31834 22451 75716  
98133 37986 70484 81685 21996 06499 08931 48967 73712 21509  
04013 74113 03217 56542 21724 16578 59273 64797 22163 02156  
91289 60640 94546 63995 21309 91345 85733 89553 86033 61870  
72741 00644 37347 21795 68955 21599 16210 53219 76820 64336  
90485 12973 80923 18741 63855 01264 85625 26913 31526 94460  
74379 00226 90355 87170 60413 27584 24176 00000

**19224/17491 kHz, 23-06, 2230/2240 UTC**

11177 00116 26783 23025 01839

27158 84565 68488 38752 45057 32721 34941 95741 22162 02297  
43561 40312 77981 07601 02519 71312 06874 92445 91289 60640  
94546 63995 21309 91345 85733 89553 86033 61870 51103 00454  
24999 49816 39334 61561 72292 81247 86377 23725 37681 36403  
58509 98024 90120 06390 83873 10050 31801 79103 59484 69290  
30337 94991 94206 59561 14372 73392 44499 38329 54394 95573  
90727 29050 41793 62125 39188 70527 91963 68466 72741 00644  
37347 21795 68955 21599 16210 53219 76820 64336 90485 12973  
80923 18741 63855 01264 85625 26913 31526 94460 74379 00226  
90355 87170 60413 02960 93543 64319 10945 62591 77411 91387  
49313 87938 84008 68238 50592 68528 36787 26629 70372 35178  
94164 35487 33501 45707 89939 46455 56062 69929 65538 67360  
26930 87652 40068 54946 83236 22470 49654 64251 61377 12108  
90134 85822 06361 05742 00339 04334 24538 11315 81339 75449  
67210 13776 39104 11864 34770 74530 72993 02799 52083 59656  
30207 47301 67578 89078 03103 67322 15338 28580 86933 74371  
39642 02957 46491 23181 38924 51001 33000 22247 98547 86006  
43758 10930 26438 67081 98164 85015 97062 89502 72817 79798  
89805 25181 00000



**16218/13949 kHz, 05-06, 0025/0035 UTC****16218/13949 kHz, 05-06, 0125/0135 UTC**

11177 00117 75786 05023 01579

36479 72216 30215 65003 46602 58950 60837 82105 85507 38230  
77769 11908 98803 70692 17797 62715 88456 56848 83875 24505  
73272 13494 19574 12216 20229 74356 14031 27798 10760 10251  
97131 20687 49244 59128 96064 09454 66399 52130 99134 58573  
38955 38603 36187 05110 30045 42499 94981 63933 46156 17229  
28124 78637 72372 53768 13640 35850 99802 49012 00639 08387  
31005 03180 17910 35948 46929 03033 79499 19420 65956 11437  
27339 24449 93832 95439 49557 39072 72905 04179 36212 53918  
87052 79196 36846 67274 10064 43734 72179 56895 52159 91621  
05321 97682 06433 69048 51297 38092 31874 16385 50126 48562  
52691 33152 69446 07437 90022 69035 58717 06041 30296 09354  
36431 91094 56259 17741 19138 74931 38793 88400 86823 85059  
26852 83678 72662 97037 23517 89416 43548 73350 14570 78993  
94645 55606 26992 96553 86736 02693 08765 24006 85494 68323  
62247 04965 46425 16137 71210 89013 48582 20636 10574 20033  
90433 42453 81131 58133 97544 23155 00000

**16218/13949 kHz, 19-06, 0025/0035 UTC****16218/13949 kHz, 19-06, 0125/0135 UTC**

11177 00117 81694 16025 01759

93543 64319 10945 62591 77411 91387 49313 87938 84008 68238  
50592 68528 36787 26629 70372 35178 94164 35487 33501 45707  
89939 46455 56062 69929 65538 67360 26930 87652 40068 54946  
83236 22470 49654 64251 61377 12108 90134 85822 06361 05742  
00339 04334 24538 11315 81339 75449 67210 13776 39104 11864  
34770 74530 72993 02799 52083 59656 30207 47301 67578 89078  
03103 67322 15338 28580 86933 74371 39642 02957 46491 23181  
38924 51001 33000 22247 98547 86006 43758 10930 26438 67081  
98164 85015 97062 89502 72817 79798 89805 20243 73001 58000  
47531 42013 00482 20245 84084 25427 57522 86600 91269 48282  
78677 09454 22396 57439 44060 22843 11190 00257 69198 76511  
48576 69143 67697 60907 66877 66537 69726 40754 01280 15207  
16495 35110 07081 64149 86225 23273 90150 69792 89989 36360  
44966 41980 49055 01602 88498 34491 75762 42550 52977 68120  
32874 63804 97975 13780 95213 27332 38616 09191 50949 68246  
53474 71404 83346 15546 69675 64300 25385 05667 34080 81535  
11401 18578 51609 12490 14432 51326 06968 08675 44605 53915  
04967 43096 60458 25173 00000

Now that we can read the headers and messages of F06 using Rivet B90 it is time to explain the various header groups and message types. The M42 document on the Numbers & Oddities website has been updated as well and includes the info below and more meta data. <http://www.numbersoddities.nl/M42-profile.pdf>

### Message header

<b>Header:</b>	<b>11166 40122 96741 10025 02999</b>
<b>1<sup>st</sup> group:</b>	This group consists of two components: 111 and the message type. 111 text message or 444 binary message (seldom used) Precedence 00 - drill Precedence 44 - flash message Precedence 66 - urgent message Precedence 77 - standard message Precedence 99 - was used in the past for a two-way link QSL message
<b>2<sup>nd</sup> group:</b>	Link id, representing the addressee being a service and a person representing the Government, FSB, GRU, military attaché, etc. at embassies, consulates, UN, etc.
<b>3<sup>rd</sup> group:</b>	Crypto variant, where to start the OTP key
<b>4<sup>th</sup> group:</b>	Date (day) + message number
<b>5<sup>th</sup> group:</b>	Group count (total message, including the last two groups) + 9, 3 or 1 (message origin) 9 - message origin is Moscow 3 - message to Moscow, origin is an embassy, consulate, etc. 1 - ??? unknown origin

### Notes

- F01, F06 and similar M42 messages are sent to embassies, consulates, UN delegates, and other official representatives only.
- Group 2 = 00000 is a broadcast to all stations
- Group 1 = 11100 + group 2 = 00000 is a drill message.
- Group 3 = 00000 should be a general broadcast, but there is no 100% proof of that.
- Diplo or Intelligence origin? Generally the messages consisting of 5-letter groups are related to the diplomatic services while messages consisting of 5-giure groups belong to other services.

### Serial number / group count

The serial number and group count can be found just before the end-of-message group. Example of the message nr and group count in the header and at the end of the message:

11177 00117 81694 160**25 01759** (25 is the message number and 175 is the group count, *including the last two groups*)  
93543 64319 10945 62591 77411 91387 49313 87938 84008 68238  
etc etc etc  
11401 18578 51609 12490 14432 51326 06968 08675 44605 53915  
04967 43096 60458 **25173 00000**

**25173** is the message number followed by the number of groups of the message itself, so *minus the last two groups*.  
**00000** means “end of message.”

### Null messages / Command messages

This kind of message is a null message, meaning that no message will follow. It does however include the command to change the OTP mentioned in group three. (OTP = One Time Pad).

Example: 11166 10053 56248 13001 00049 00000 00000 00000 00000

Link 00000

**10687/7992/5913 kHz, 22-06, 2000/2010/2020 UTC**

11100 00000 98463 20076 03639  
01178 14702 28860 66530 85307 36415 28582 50124 74191 65408  
46317 52157 98693 97383 42484 59260 89687 50356 00392 29175  
16819 52220 32833 67436 90649 45213 73138 26415 76616 49459  
61644 81406 94241 52780 63513 63464 00037 18967 78829 53655  
77540 31695 30928 68433 82912 16273 43875 90802 19538 06402  
45054 26984 40075 48158 53776 93245 99375 58355 41877 62601  
06727 79493 77211 26063 50842 98483 86003 48119 96050 21319  
94976 21159 73110 20901 39212 48489 13085 00187 46662 10666  
97733 37866 35262 94807 24835 08741 83581 91588 11889 95996  
60944 89588 86641 37559 27956 21705 37862 73724 43389 43287  
24802 88235 38340 46713 68798 60014 43619 42070 75430 67716  
81299 58633 60689 14316 56355 46844 79580 63886 09347 85451  
80616 07783 16069 23527 34612 02405 45117 12022 11246 45728  
09291 04570 01805 84792 71796 32211 11565 71337 93160 81731  
70228 07767 29807 32301 33879 50631 20236 30102 76860 63826  
19731 05635 97052 38672 69545 63378 82949 23089 11493 98515  
16001 27029 83891 20383 06638 96377 59789 87355 87432 72486  
13410 82841 11824 79553 25767 87074 31842 07006 65368 24403  
53282 79105 04957 90746 91749 28937 60226 90917 78028 18985  
61447 40500 86197 75478 93937 11956 82940 28691 68319 29666  
21489 76388 06503 43582 28621 12606 54323 36176 58180 88945  
56779 42382 09517 00582 56808 87211 34326 14160 03531 70733  
80286 79778 80905 55101 44968 94236 92735 33327 38416 07747  
64954 84470 77879 91281 51138 44946 63089 06764 52181 50637  
05556 47266 86057 29485 10300 39423 68633 49265 33459 25237  
91438 50223 64222 65466 07356 17259 04506 31778 60157 71351  
44830 79869 18822 84910 59815 20720 02579 50741 71758 32183  
07611 59304 55696 78099 71356 63971 84425 27113 35341 38957  
36891 88377 92491 59602 18398 06358 29848 59724 66070 81889  
02636 45693 38008 11699 00613 71942 09571 63566 92645 07585  
25222 29329 60443 48833 79389 22889 57388 56914 24754 15444  
53404 26146 31427 25101 51795 11893 45438 03077 88995 73060  
19980 83670 53166 08832 17843 90183 82581 94332 08479 14000  
29728 44908 08136 08980 02074 63696 36486 68388 15432 52195  
88206 76524 20857 88506 42934 52241 91016 02935 62030 26558  
76972 05645 45618 21531 71307 46056 48285 22589 38543 08661  
76940 76361 00000

Link 00052

**16266/14453/12075 kHz, 06-06, 1500/1510/1520 UTC**

11166 00052 32674 06012 00049 00000 00000 00000 00000

**16266/14453/12075 kHz, 13-06, 1500/1510/1520 UTC**

11166 00052 12345 13056 00049 00000 00000 00000 00000

**16330/14367/12141 kHz, 14-06/15-06, 0800/0810/0820 UTC**

11166 00052 78341 13015 02309  
59390 36123 47856 22078 60017 94818 61494 40426 82499 86290  
06382 97356 56327 00253 32974 51636 92148 95879 70955 03954  
24811 49378 95617 78059 86380 63652 09122 59696 28631 89590  
24360 77284 79441 19599 33756 95200 38349 78147 52494 22289  
69523 69939 74855 29621 85168 37289 91874 06443 27955 30634  
41194 13564 37517 43595 30082 14143 64054 34156 52789 95609  
47648 56084 90143 25451 46442 93078 92875 59779 33169 36415

48638 38289 91512 33411 29732 73055 87723 05371 32093 78947  
37019 18942 41400 99410 14583 85640 52385 88087 12237 73699  
68081 36582 67623 95240 57964 00910 26454 33468 88402 70904  
30009 37912 27712 97176 96624 92166 49028 72970 77422 94073  
38498 50660 85230 30889 01939 50807 99081 32293 69235 17351  
51111 01372 30353 08353 01587 12859 11961 52587 55941 60994  
86305 84194 07800 17891 15903 07857 45720 14420 41394 29676  
17293 26406 22314 23258 11938 40672 38586 73973 80725 90708  
38385 21643 30041 01578 28438 67586 31494 84173 40505 37681  
84350 29230 36059 07096 22316 34826 70985 71720 71152 28019  
52621 69012 51475 21334 57132 58635 86755 42884 02058 99276  
84396 87771 99222 15115 91955 20107 62286 17186 89856 10559  
81591 89331 63839 73655 58427 68060 39337 86755 74068 33444  
99889 32489 14588 46730 59708 96394 33685 15902 12369 02250  
25415 94847 43732 40589 83092 83837 68398 75191 02637 27816  
80621 57411 06500 34424 02338 94867 32477 62308 15228 00000

**16266/14453/12075 kHz, 20-06, 1500/1510/1520 UTC**

11166 00052 82169 20075 00049 00000 00000 00000 00000

**16266/14453/12075 kHz, 27-06, 1500/1510/1520 UTC**

11166 00052 82169 27003 00049 00000 00000 00000 00000

**16330/14367/12141 kHz, 28-06/29-06, 0800/0810/0820 UTC**

11166 00052 78341 13015 02309

59390 36123 47856 22078 60017 94818 61494 40426 82499 86290  
06382 97356 56327 00253 32974 51636 92148 95879 70955 03954  
24811 49378 95617 78059 86380 63652 09122 59696 28631 89590  
24360 77284 79441 19599 33756 95200 38349 78147 52494 22289  
69523 69939 74855 29621 85168 37289 91874 06443 27955 30634  
41194 13564 37517 43595 30082 14143 64054 34156 52789 95609  
47648 56084 90143 25451 46442 93078 92875 59779 33169 36415  
48638 38289 91512 33411 29732 73055 87723 05371 32093 78947  
37019 18942 41400 99410 14583 85640 52385 88087 12237 73699  
68081 36582 67623 95240 57964 00910 26454 33468 88402 70904  
30009 37912 27712 97176 96624 92166 49028 72970 77422 94073  
38498 50660 85230 30889 01939 50807 99081 32293 69235 17351  
51111 01372 30353 08353 01587 12859 11961 52587 55941 60994  
86305 84194 07800 17891 15903 07857 45720 14420 41394 29676  
17293 26406 22314 23258 11938 40672 38586 73973 80725 90708  
38385 21643 30041 01578 28438 67586 31494 84173 40505 37681  
84350 29230 36059 07096 22316 34826 70985 71720 71152 28019  
52621 69012 51475 21334 57132 58635 86755 42884 02058 99276  
84396 87771 99222 15115 91955 20107 62286 17186 89856 10559  
81591 89331 63839 73655 58427 68060 39337 86755 74068 33444  
99889 32489 14588 46730 59708 96394 33685 15902 12369 02250  
25415 94847 43732 40589 83092 83837 68398 75191 02637 27816  
80621 57411 06500 34424 02338 94867 32477 62308 15228 00000

Link 10031

**15629/13376/11554 kHz, 14-06, 0915/0925/0935 UTC**

11166 10031 17935 14026 00049 00000 00000 00000 00000

**15629/13376/11554 kHz, 28-06, 0915/0925/0935 UTC**

11166 10031 14203 28026 00049 00000 00000 00000 00000

Link 10053

**19838/16238/13546 kHz, 03-06, 1530/1540/1550 UTC**

11166 10053 68425 04001 00049 00000 00000 00000 00000

**19936/16354/13955 kHz, 06-06, 1650/1700/1710 UTC**

11166 10053 59681 06001 00049 00000 00000 00000 00000

**19838/16238/13546 kHz, 11-06, 1530/1540/1550 UTC**

11166 10053 13579 11001 00049 00000 00000 00000 00000

**19936/16354/13955 kHz, 13-06, 1650/1700/1710 UTC**

11166 10053 56248 13001 00049 00000 00000 00000 00000

**19838/16238/13546 kHz, 18-06, 1530/1540/1550 UTC**

11166 10053 23168 18001 00049 00000 00000 00000 00000

**19936/16354/13955 kHz, 20-06, 1650/1700/1710 UTC**

11166 10053 35791 20001 00049 00000 00000 00000 00000

**19838/16238/13546 kHz, 25-06, 1530/1540/1550 UTC**

10053 56248 25001 00049 00000 00000 00000 00000

**19936/16354/13955 kHz, 27-06, 1650/1700/1710 UTC**

11166 10053 13579 27001 00049 00000 00000 00000 00000

Link 40122

**17512/15930/13503 kHz, 07-06/08-06, 0600/0610/0620 UTC**

Header: 11166 40122 02649 03023 03289

**17512/15930/13503 kHz, 14-06/15-06, 0600/0610/0620 UTC. Two messages**

11166 40122 85236 10024 03029

83417 43455 97957 01538 97274 02556 74084 43014 97448 10265  
61191 93125 79766 75090 23660 58028 71271 88566 75784 67272  
85121 18514 41800 42695 08794 68798 48430 29906 05276 04032  
42144 53311 31926 62649 48303 80609 06708 06810 14392 07701  
76470 82543 04520 99932 66962 88592 37381 50648 19280 77385  
84852 42940 42422 36570 73431 25576 36650 24556 55687 39019  
67333 58495 43923 52478 93970 78147 23233 97937 84078 34051  
86136 12093 66622 73460 55987 22141 04698 22467 91338 36340  
92124 87746 88446 25313 03665 26386 24117 04994 53536 57198  
06062 57180 41912 11987 22967 48618 94102 50190 11456 34562  
22098 85340 82128 57743 63156 96774 71880 78682 75137 25039  
14669 98295 93259 74422 47929 58716 77968 71055 96821 33279  
08609 50014 03498 41602 02583 69863 93571 50703 64682 78082  
96992 48090 96292 75803 65491 97762 19136 55305 53798 15053  
93259 08701 56824 21268 33951 31249 19979 64035 57263 67734  
64825 14326 08839 75355 97249 76061 55729 01549 90343 69267  
45882 00192 59177 72688 64999 34627 69658 36826 45437 40935  
48651 03312 06855 49905 87566 91573 33280 91122 56585 38720  
16294 27639 71718 03592 19009 94634 81885 70899 40549 40524  
68201 16408 85688 93945 72656 19087 69367 05060 98378 31173  
10750 34609 48665 42079 96526 89165 96972 97090 18139 26005  
05051 56781 12615 76052 31405 08095 61714 58329 97285 63016  
29052 84338 02378 05786 39900 75836 07387 74578 33359 44414  
25711 88603 41575 06334 91375 56537 75689 31060 95430 27259  
23230 46919 07990 68792 86596 52317 28102 86417 17363 05977  
28644 15878 26058 94599 88416 52622 72126 01420 28641 03018

63750 24065 96028 68478 22227 15179 59632 98432 90573 44230  
13641 73083 91072 03950 03329 01889 61419 09839 16337 48702  
24175 66178 06464 19509 69203 96978 42175 73701 53792 65310  
97000 44823 50128 29449 24017 81725 94830 09278 81596 46073  
24300 00000

11166 40122 96741 10025 02999  
20217 61377 02616 27130 71995 86244 24309 59771 43077 16086  
20953 56657 78182 56598 06566 90500 28933 81209 99823 87370  
64132 01189 68364 16973 64892 60066 94672 90830 59327 25825  
30742 04329 76473 79266 33682 83525 24141 22016 99482 22699  
20377 52588 37102 23551 33231 83961 50077 72004 08508 01090  
17843 13541 90195 81795 93938 13010 63256 29478 63307 09846  
73467 91076 25856 04634 04010 58726 98477 37962 13463 78534  
52713 47497 64935 14940 30251 14215 00979 44057 03444 33734  
43999 74476 73027 73683 26843 18935 20245 03040 83242 65309  
55541 04383 52815 20355 31038 04983 80301 24646 08953 87693  
13729 62137 03179 67551 31184 12797 36180 45043 50895 21737  
78418 71966 04291 83292 62484 90832 76748 63475 89116 33731  
45691 09247 67311 91616 70746 18040 55698 89933 15642 65978  
97371 31535 06519 18222 65368 92810 56368 69877 60978 83992  
10263 90913 32071 09542 91080 73520 03634 89585 50396 05344  
37700 28311 54249 17040 64865 40285 58450 77576 54562 70608  
53132 35739 16309 69864 81224 31249 49085 09786 60543 23962  
81051 50581 64178 14564 66780 95861 38876 55207 34207 96102  
66085 73533 98453 86574 95381 58500 84761 70689 04929 81473  
27666 84689 68689 51005 38654 04625 35050 24740 59444 81551  
46577 26893 43114 15892 55548 44725 30241 06890 15000 02463  
12248 38105 49927 36099 99148 84875 38362 17504 33873 54691  
56996 01301 20359 96421 71039 92916 57606 39317 73014 61282  
96870 47742 00151 44578 64196 02567 85093 22500 15457 45153  
19587 53457 16115 44879 35845 00155 62868 76131 35279 91986  
89385 15718 19277 97688 23302 96613 01725 06678 86678 79008  
07945 42522 57107 24558 89759 56983 31639 84814 11346 78050  
60746 39742 85583 10425 44475 47270 65574 11882 08009 89822  
21031 93948 98796 28754 54212 20334 72470 02637 35097 01551  
59698 30327 60484 09172 31203 04760 66708 25297 00000

**17512/15930/13503 kHz, 21-06, 0600/0610/0620 UTC**

11166 40122 57391 21039 00049 00000 00000 00000 00000

**17512/15930/13503 kHz, 28-06/29-06, 0600/0610/0620 UTC**

11166 40122 85712 24026 04129  
99354 26935 62994 58229 54812 93415 58054 30314 16640 96988  
85113 96631 28631 85410 01868 15264 04209 15901 19987 20019  
18207 78052 87264 85121 92056 92362 04625 63270 86541 95026  
32690 95177 93339 12121 67572 86083 77501 16909 90606 92730  
48090 56537 21684 10348 35146 25614 30891 49608 68170 27386  
88141 03509 04318 83444 55478 27643 23486 77914 51736 82283  
32480 47044 44266 09720 45451 50146 47385 45284 32797 82827  
32260 85514 55693 18433 77905 61876 28475 88660 17974 93491  
76018 39263 63043 17305 78346 21793 03075 19139 19620 07314  
19739 14054 83707 33031 63286 49469 63538 17757 73658 29470  
76398 07175 50531 83751 02378 34814 01961 29623 88147 09694  
26337 00515 83259 66559 07325 39430 01151 39657 26478 80779  
22039 45977 23221 69018 79909 88912 56876 87557 00763 18262  
50435 96343 84320 07518 20750 01590 46382 34379 24844 06056  
64004 75420 77013 13342 90710 50864 16434 84618 33898 80385  
29923 71242 11641 35883 59580 71677 31084 02176 49975 86179  
55598 81530 14567 67670 52888 02984 26059 92238 41258 22388

60359 97705 76200 24077 48849 63698 44503 60322 18626 11667  
58066 88084 60332 80268 64433 95575 09032 60591 17543 11872  
25335 96592 71832 63995 35720 29279 98740 14264 57411 47972  
35873 80665 05127 25165 15201 45591 78499 72373 36079 92869  
74984 31433 75463 12514 32945 68668 52538 20160 34599 88385  
89905 08614 23520 59118 38564 48654 16372 31058 58827 63612  
79413 10045 78720 18167 13141 88763 55828 86802 99452 74166  
42958 77620 02313 97070 24247 36562 52777 94483 68306 99537  
69627 31476 31320 76644 24229 44239 66098 66177 54315 27776  
54267 84357 56397 16655 03804 21722 11457 32270 79077 62112  
23642 95042 55611 25199 76630 25003 16723 18477 37361 79180  
34265 09669 61813 99260 00618 54600 62522 59920 04153 46880  
18529 97306 65330 62183 85431 98063 75637 22802 16246 02381  
06542 14449 12755 39471 80648 07848 92024 86934 22261 81029  
01797 46435 29513 48765 11418 17129 35281 35856 22020 65294  
49044 55204 00618 13575 96894 76598 67821 98303 01877 97175  
93854 68322 71850 49466 82552 23747 87053 07978 48045 18107  
04568 80262 13796 72307 21860 93360 12181 73825 60036 11696  
70835 39686 04911 47029 87035 06353 85324 46927 87685 75466  
60487 72176 68438 88382 53946 99376 81606 28229 64120 09561  
52052 92823 22666 48782 23884 46924 49428 71613 21704 47213  
71162 03498 06099 38489 96203 82878 28049 44476 62298 69054  
11956 01709 99747 26696 21969 09914 77085 22959 91300 97338  
21455 98130 19219 24453 30888 95754 65397 74471 20654 63154  
26410 00000

Link 40133

**18323/15886/13581 kHz, 03-06, 2100/2110/2120 UTC**

11166 40133 95203 03001 00049  
00000 00000 00000 00000

**18323/15886/13581 kHz, 10-06/11-06, 2100/2110/2120 UTC**

11166 40133 51309 09031 02869  
57581 75046 72969 73572 11332 34635 02385 05053 53243 56828  
07975 56314 09623 68600 60562 92395 45781 83038 28640 55451  
78104 12646 02943 70937 86633 38574 96169 17031 36454 91409  
19826 71159 11442 04064 04610 56349 22126 53815 19514 84113  
30368 63388 22872 44271 34443 98701 82831 63145 96472 00029  
35097 58842 94852 30100 55658 74569 83081 18485 10876 22621  
75848 70254 73932 32156 12952 71662 85780 33302 97237 41031  
83184 86401 17514 22390 28077 49277 07420 50947 41300 23739  
64044 03202 93229 62987 66943 65417 36027 72446 63473 00037  
57313 32546 16647 84909 25194 48767 69452 29262 93254 49862  
86884 82162 74212 88526 60630 60800 99897 22595 60755 36834  
53246 45149 90293 78391 26371 33969 42635 84276 02286 84365  
90010 84521 12200 25877 72452 04838 82747 82005 25177 94631  
78588 53651 49499 39060 11008 83046 97107 77118 14544 34356  
67174 88226 54740 58958 22591 99388 81364 36564 17878 15710  
87574 76604 16914 99062 22744 70769 35382 03582 94062 16388  
81453 30131 75328 72049 20194 30723 38803 15213 35204 35451  
40060 51163 55273 14248 51356 52160 71231 33827 20730 81224  
08249 98424 36568 82929 54464 95513 61908 62649 57814 61657  
11381 68105 39869 26160 96825 71999 47541 75208 56586 67036  
05753 77746 32848 09457 94546 84665 70424 04163 56244 85804  
48384 69433 61511 89411 12374 65830 33386 89528 00297 56049  
45260 43973 80412 01193 80273 97094 15580 81585 86023 17117  
04667 65643 58424 66218 55950 80605 71233 46348 80157 91585  
15106 30354 45168 06602 00859 69787 62366 75920 83464 68064  
18438 98477 92748 21129 44445 43104 98788 72154 00137 39249

21889 69287 18415 42345 18683 06374 22670 17177 53044 40225  
71425 36565 37150 44687 37345 60138 10317 87370 66865 59133  
24711 74796 00936 87730 31284 00000

**18323/15886/13581 kHz, 17-06, 2100/2110/2120 UTC**

11166 40133 36987 17001 00049 00000 00000 00000 00000

**18323/15886/13581 kHz, 24-06, 2100/2110/2120 UTC**

11166 40133 95203 24001 00049 00000 00000 00000 00000

Link 50046

**14689/12143/10186 kHz, 03-06, 1100/1110/1120 UTC**

11166 50046 36987 02098 01169  
25709 99079 93903 40530 82876 83684 58196 63673 20924 40165  
71902 82228 81333 77723 06382 95451 40792 26544 42549 60295  
36670 13344 13742 47523 00899 49540 72527 78075 30374 53365  
49733 96038 70830 05821 61893 04481 56347 64705 85947 44171  
85819 63823 35278 10213 93301 04117 43926 49702 08540 32672  
15394 81316 91387 96258 61254 90454 87043 87220 61732 33628  
19962 72706 40309 38641 09004 19615 83033 65022 89805 67551  
18519 57875 41110 28366 51398 95669 44454 55826 83567 04167  
42939 05736 91783 55322 14090 32649 03760 81250 26661 82449  
27511 26543 85823 85102 38098 95133 84707 61787 47149 54421  
00738 59586 00245 96146 57612 80179 36167 67479 65226 21845  
69241 22663 91592 04545 98114 00000

**10186/14689/12143 kHz, 10-06/11-06, 1100/1110/1120 UTC**

11166 50046 91725 09099 01189  
59699 09076 93903 40530 16766 93681 58196 63673 54814 50162  
71902 82228 04382 57421 48191 67237 37493 73150 39851 46452  
84521 71018 78128 60264 03702 61933 27341 23095 46636 01999  
53822 34340 50999 29853 15478 24497 00354 99912 27309 43395  
29691 22972 98516 76467 64797 61909 62126 91346 84278 39581  
07794 17183 53177 52415 65204 00250 08612 52867 95309 91191  
97286 32145 71539 43745 94042 11076 08539 22552 25532 95722  
70053 79847 40316 76895 66652 80781 38147 93991 76888 65742  
58781 93893 22530 93304 77248 87077 05810 51012 32494 11411  
71766 99808 35744 92672 38498 59381 24804 38447 13567 09451  
57588 79441 39860 95761 33704 87135 62220 87019 96534 46236  
58810 41825 49103 99008 51417 62895 99116 00000

**14689/12143/10186 kHz, 17-06/18-06/24-06/25-06, 1100/1110/1120 UTC**

11166 50046 97142 16001 00969  
52539 09083 93903 40530 19606 93698 58196 63673 57754 50179  
71902 82228 24357 29544 35786 71520 95200 96273 73736 72706  
89626 35648 05008 85129 25135 85679 19071 15029 06166 50665  
67738 47805 47012 13812 98433 96498 44887 06625 69681 01565  
60838 99703 23549 07251 19026 87504 03082 60654 52957 04824  
01043 35283 88070 90557 31750 96731 30628 42101 00882 88147  
55287 04387 23675 11055 85997 96313 77271 76086 85011 67728  
26776 63600 73371 35637 80471 58173 06183 74186 45510 01699  
78845 80334 87530 03953 67099 24539 82629 42980 78315 23826  
85087 83636 20696 57620 01094 00000



Link 70004

**16314/14569/12191 kHz, 10-06/11-06/24-06/25-06, 0900/0910/0920 UTC**

11166 70004 23179 09095 00929  
95693 21064 43256 68552 81364 91978 90744 89876 76805 15543  
86537 15462 96704 97553 44890 68083 04849 03129 12657 58046  
16747 67560 85786 17091 68135 66550 30974 21623 48407 93882  
75996 63582 85723 23100 54836 54922 58183 36242 99847 77232  
60096 14202 95953 93737 66721 89595 36124 69429 60261 12828  
54116 03134 78446 56149 08094 30564 70598 95145 21500 48115  
87571 32934 65876 32872 40277 57546 57681 93050 06275 76347  
27142 79905 97953 18438 49557 49296 94203 35696 17563 91024  
61980 42662 86574 28035 63427 72451 07419 69673 67032 84781  
95090 00000

Link 70048

**14368/12204/10309 kHz, 07-06, 0800/0810/0820 UTC**

11166 70048 15863 07053 00049 00000 00000 00000 00000

**14368/12204/10309 kHz, 14-06, 0800/0810/0820 UTC**

11166 70048 21567 14038 00049 00000 00000 00000 00000

**14368 kHz, 21-06, 0753 UTC**

Test: 464646464646

**14368/12204/10309 kHz, 21-06, 0800/0810/0820 UTC**

11166 70048 24679 21086 00049 00000 00000 00000 00000

**14368/12204/10309 kHz, 28-06, 0800/0810/0820 UTC**

11166 70048 15863 28014 00049 00000 00000 00000 00000

Link 70059

**12094/10926/9049 kHz, 05-06, 0400/0410/0420 UTC**

11166 70059 23459 05001 00049 00000 00000 00000 00000

**12094/10926/9049 kHz, 19-06, 0400/0410/0420 UTC**

11166 70059 10569 19001 00049 00000 00000 00000 00000

Link 70147

**14948/12096/10374 kHz, 10-06/11-06, 0800/0810/0820 UTC**

11166 70147 38715 09058 01829  
81445 53185 98678 58128 67011 33962 81470 94306 73805 27393  
86734 84902 99873 67532 64709 46638 72804 21872 24582 26606  
51767 81738 23449 88328 46708 10990 27665 57097 60674 71249  
72036 86424 58553 32482 32443 32212 09804 95153 68710 00600  
59501 15251 99117 18740 65415 16598 00875 94975 07892 50292  
04400 04678 91560 50795 05825 84922 23039 29357 78974 82042  
91764 12898 05721 16246 40036 42006 38816 73998 63509 91891  
38538 50440 29836 37442 59388 89141 23684 03362 58084 41282  
59129 33304 15822 46840 25673 31007 39638 18657 25252 45455  
10404 47102 43464 69817 66463 96858 57980 09720 57721 76870  
35739 93456 64010 20958 93445 22857 73506 13908 27696 99278  
24515 07612 50614 30020 74798 63607 84615 22173 45227 14879  
41322 91079 98666 20457 19769 79658 18795 14250 76507 62165  
04670 14446 42741 32582 82334 73077 97714 40286 33266 62050  
43862 95783 66297 43480 51182 62311 24214 18131 28605 37685

53594 86162 96868 69065 00757 66945 19594 34289 30501 42075  
99752 54744 99310 65758 40858 13747 01762 51731 92981 99520  
62000 97411 02724 39814 52299 68699 34772 69003 98539 63579  
58180 00000

**14948/12096/10374 kHz, 24-06/25-06, 0800/0810/0820 UTC**

11166 70147 69815 23059 01089  
40855 53109 98678 58128 26421 33986 81470 94306 32215 27317  
86734 84902 26044 16361 02374 08707 92039 52603 66469 51627  
05154 96713 34931 79685 60996 83875 23204 52581 56177 87798  
63972 54732 13499 86070 31529 88511 38649 13932 03306 66276  
91046 13196 12044 98780 76693 47804 70020 39396 03119 40861  
91636 00274 22368 50974 27638 83521 74651 59438 61061 58709  
94709 75838 29817 46626 47965 79609 65438 10376 90648 74721  
55221 44599 91337 92163 87834 54845 79120 03748 58963 20391  
45877 22496 79686 53328 82133 67370 67770 29150 94092 80890  
19874 93474 66282 33364 44193 94159 06397 85452 91372 51075  
82188 86235 05872 43736 41086 04488 59106 00000

Link 80214

**14565/12169/9981 kHz, 01-06, 1330/1340/1350 UTC**

11166 80214 95230 01056 00049 00000 00000 00000 00000

**14565/12169/9981 kHz, 08-06, 1330/1340/1350 UTC**

11166 80214 34567 08062 00049 00000 00000 00000 00000

**14565/12169/9981 kHz, 15-06, 1330/1340/1350 UTC**

11166 80214 26549 15057 00049 00000 00000 00000 00000

**14565/12169/9981 kHz, 22-06, 1330/1340/1350 UTC**

11166 80214 26549 22089 00049 00000 00000 00000 00000

**14565/12169/9981 kHz, 29-06, 1330/1340/1350 UTC**

11166 80214 26749 29061 00049 00000 00000 00000 00000

Link 90073

**16286/14517/12179 kHz, 07-06, 1210/1220/1230 UTC**

11166 90073 54862 07001 00049 00000 00000 00000 00000

**16286/14517/12179 kHz, 21-06, 1210/1220/1230 UTC**

11166 90073 15963 21001 00049 00000 00000 00000 00000

**X06 - Mazielka**

Code	Freq	Date	UTC	Sequence	Code	Freq	Date	UTC	Sequence
X06	9128	2-6	2027	Sequence: 164253	X06	14650	21-6	1102	I.p. Sequence: 215346
X06	16188	6-6	1202	Sequence: 325614	X06	15828	23-6	1004	Sequence: 256134
X06	14419	8-6	0804	I.p. Sequence: 521634	X06	16116	28-6	0902	Sequence: 134265
X06	14459	8-6	0804	Sequence: 521634	X06	13985	28-6	0934	Sequence: 134265
X06	13575	9-6	1004	I.p. Sequence: 615243	X06b	15884	8-6	1806	Sequence: 1--6-- before XPA2
X06	16116	14-6	0907	I.p. Sequence: 134265	X06b	14984	8-6	1807	Sequence: 1--6-- before XPA2
X06	15973	15-6	0732	I.p. Sequence: 162543	X06b	14384	8-6	1810	Sequence: 1--6-- before XPA2
X06	12112	20-6	0643	Sequence: 165324	X06b	14984	8-6	1811	Sequence: 1--6-- before XPA2
X06	18206	20-6	0934	Sequence: 246531	X06b	14984	13-6	1814	Sequence: 1--6--
X06	15687	20-6	1005	Sequence: 154263	X06b	15884	13-6	1815	Sequence: 1--6--
X06	13401	20-6	1302	Sequence: 154263	X06b	15884	13-6	1820	Sequence: 1--6--

Code	Freq	Date	UTC	Sequence	Code	Freq	Date	UTC	Sequence
X06b	14984	13-6	1822	Sequence: 1--6--	X06b	14538	18-6	2012	Sequence: 1--6-- before XPA2
X06b	15884	13-6	1823	Sequence: 1--6--	X06b	14984	20-6	1811	Sequence: 1--6--
X06b	14738	13-6	2036	Sequence: 1--6--	X06b	15884	20-6	1812	Sequence: 1--6--
X06b	13438	18-6	1957	Sequence: 1--6-- before XPA2	X06b	14984	20-6	1813	Sequence: 1--6--
X06b	14538	18-6	1958	Sequence: 1--6-- before XPA2	X06b	15884	20-6	1814	Sequence: 1--6--
X06b	13438	18-6	2001	Sequence: 1--6-- before XPA2	X06b	15884	22-6	1752	Sequence: 1--6--
X06b	14538	18-6	2002	Sequence: 1--6-- before XPA2	X06b	14984	22-6	1753	Sequence: 1--6--
X06b	13438	18-6	2011	Sequence: 1--6-- before XPA2	X06b	15884	22-6	1754	Sequence: 1--6--



**XPA**

Mode: MFSK-20/10Bd

**11409/13509/14609 kHz, 07-06/10-06, 0600/0620/0640 UTC**

456 456 456 1 456 456 456 1 456 456 456 1  
00883 00181 55034 68781 80724 08341 81375 74593 69482 61519  
78820 52462 16398 56598 96000 21596 32272 85959 63109 95950  
77053 66346 78099 76813 20588 90426 49182 81657 11267 94641  
13594 86620 14295 19843 15229 13312 12691 16648 68145 19204  
83148 98930 50532 66236 07416 92621 39942 19719 64965 23479  
82121 78384 05259 72139 55473 54008 44924 08937 06569 09698  
86246 60896 42104 59058 85337 16903 75199 27723 55134 80850  
93716 49721 15751 56490 37677 20228 93018 10479 35851 27259  
78053 73871 10392 29906 77671 32215 41416 69291 90189 75495  
97285 96901 63647 05208 53017 61566 88310 91673 82911 42086  
25571 39342 36815 18382 96597 86037 39107 03342 72040 17059  
45619 68231 35342 29663 24935 62458 61277 35501 53132 81638  
46969 44604 57785 27127 74831 56941 37297 11589 65716 23049  
04536 56090 79910 59859 93842 10232 22655 62487 68471 76742  
13321 42406 04284 32486 20604 72558 61927 54193 16963 80926  
20401 06806 20414 33144 32745 03073 94003 27564 90744 48755  
83565 87675 96646 61070 61355 84496 62960 93903 44862 05311  
39957 24783 84593 55481 61861 43443 16998 51310 14338 14728  
43714 79632 76651 56010

**11409/13509/14609 kHz, 14-06/17-06, 0600/0620/0640 UTC**

456 456 456 1 456 456 456 1 456 456 456 1  
02983 00109 00754 14157 18402 57466 39297 02764 34398 52603  
05335 27872 13753 44437 81196 29119 64762 34710 35341 36411  
92556 03610 44026 43797 19417 46755 30767 96690 08270 49031  
79956 83288 48759 49796 19239 94979 41628 88094 89279 40783  
27868 63349 01413 13870 51150 41563 31756 79613 90576 93622  
91582 81138 49616 07903 53321 06424 80295 29293 73530 06624  
61082 99308 25980 72602 04868 71067 32460 05754 28223 82089  
63733 57942 86984 91287 97313 90592 24063 13036 02690 09823  
06352 89089 41034 71099 24927 33739 01178 01912 51296 95252  
96373 44702 27477 47055 15469 06239 73321 74960 84613 50291  
17474 92187 38486 70874 70652 32588 46906 12445 75043 14751  
00221 04007

**11409/13509/14609 kHz, 21-06, 0600/0620/0640 UTC**

456 456 456 000  
02412 00001 00000 10140

**11409/13509/14609 kHz, 21-06, 0600/0620/0640 UTC**

456 456 456 000

09203 00001 00000 10140

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

456 456 456 000

09009 00001 00000 10140



**XPA2**

Mode: MFSK-16/20Bd

**15884/14984/14384 kHz, 01-06, 1900/1920/1940 UTC**

06050 00001 00000 10140

**16167/14663/13923 kHz, 02-06, 2100/2120/2140 UTC**

07784 00137 72798 02688 09675 94926 81319 77435 70297 20814  
43470 29986 49186 77468 97795 00628 86945 03276 91256 07111  
68016 70898 51885 13634 71331 03634 94677 60121 05674 71920  
92582 49783 33459 16456 95032 90035 13671 86664 92575 85709  
97334 14391 16663 31103 23149 16398 77330 41441 45484 49819  
14944 20900 74452 09009 41264 69392 45258 62060 17189 67871  
25868 11717 89431 62436 03287 30900 54159 68825 31297 50428  
92501 75781 94065 67048 29244 21894 95277 09278 51224 62320  
25020 50183 47947 03665 63053 16028 77936 43310 88962 85392  
79251 27681 15835 27558 78755 63960 05564 24811 77694 73441  
90373 34044 01056 47612 05262 58740 43413 13755 09528 15468  
92744 90213 39775 84391 25680 39417 18370 14318 02410 35700  
82607 55213 74853 77167 98594 30892 10568 82207 82389 10544  
35046 47933 93411 23143 47953 00689 89166 72802 38169 66573

**14738/13438/12138 kHz, 04-06, 2100/2120/2140 UTC**

02116 00001 00000 10140

**19514/18214/16314 kHz, 06-06/09-06, 0700/0720/0740 UTC**

08778 00163 78580 14208 68328 51424 68724 59084 76928 49648  
06500 69212 01950 88827 25955 89107 65978 52201 56870 96811  
13538 50858 86232 43783 11990 90186 57383 07118 41285 04082  
20895 67906 93399 96686 84060 42643 94958 63032 85719 88876  
85625 31877 68957 83224 86018 13355 20844 78610 80398 76867  
62923 47482 42302 28871 77869 65140 53973 38242 08948 90925  
49735 75082 97682 02709 48777 43056 59022 72247 33065 44450  
54203 88279 72905 71587 42801 74921 48793 78135 67692 44411  
14902 70913 51285 63297 34193 55285 30522 94853 13543 53350  
78475 34720 59618 56003 54792 35004 37986 63710 35209 82121  
90740 79623 22795 42216 27767 35204 59615 84180 57080 97823  
62518 00900 67692 89788 45639 50128 70457 54815 24139 16214  
16843 60302 56977 26176 20294 96854 76017 30515 55109 84883  
77032 80086 92639 11561 50967 02731 23201 97036 41504 61829  
59867 98590 16760 97013 12137 98038 37567 06525 00120 34632  
29460 93344 85927 02163 14979 34019 61492 58160 04120 74674  
26926 16723 25237 80794 04429 06721

**15884/14984/14384 kHz, 06-06, 1900/1920/1940 UTC**

02152 00001 00000 10140

**14738/13438/12138 kHz, 06-06, 2100/2120/2140 UTC**

05692 00001 00000 10140

**15884/14984/14384 kHz, 08-06, 1900/1920/1940 UTC**

02656 00001 00000 10140

**16167/14663/13923 kHz, 09-06, 2100/2120/2140 UTC**

09035 00001 00000 10140

**16167/14663/13923 kHz, 10-06, 2100/2120/2140 UTC**

00688 00001 00000 00140

**14738/13438/12138 kHz, 11-06/13-06, 2100/2120/2140 UTC**

06908 00073 39934 39747 74895 20852 95303 88286 02476 92344  
75926 18632 96758 58584 95600 19276 92046 64921 43254 95326  
18162 10157 90125 30870 05654 42875 07004 36802 63730 61014  
62919 27317 01383 41280 66315 67436 42818 41824 15827 12920  
86655 48410 28297 05154 28601 95099 65154 11186 60552 24797  
02563 62651 09505 74393 12160 78627 33119 62223 67501 15036  
18619 70894 50229 07240 99687 34924 11032 98886 70582 70861  
05918 76647 40616 87973 14150 22106

**19514/18214/16314 kHz, 13-06, 0700/0720/0740 UTC**

04593 00001 00000 10140

**15884/14984/14384 kHz, 13-06/15-06, 1900/1920/1940 UTC**

08395 00175 06856 65774 18034 87405 91377 69013 23254 17951  
08587 77620 63289 02421 89815 20120 08505 99493 73075 78240  
25493 50662 76393 97783 31632 25279 96068 57499 80183 43929  
16807 94846 05292 60880 53274 09524 97715 98706 96807 17485  
19587 53607 69059 16235 04831 11680 08510 20004 14399 21186  
45344 87147 22413 22691 48376 47451 86795 06239 69865 74362  
39867 00338 98625 48757 44681 47003 11317 06645 51203 44569  
43022 59752 74878 98473 92985 59036 26381 96394 91416 79405  
55205 88406 76853 74307 19256 05255 20664 82907 89770 70067  
35350 68299 95554 97793 15736 98680 73969 05610 59272 46182  
70438 49280 80189 67440 72235 98116 67407 91848 16268 21101  
47138 07060 51028 74018 09488 54836 33215 71925 16730 72628  
49346 47962 85496 58660 54616 55580 80216 34592 82651 85925  
87113 57527 17758 63140 82005 13428 18370 40598 59136 61809  
76541 93270 97545 70064 87897 75522 33305 00391 68112 78646  
98249 80372 67969 80373 05711 07179 34292 49956 79280 67123  
11327 19498 33720 93626 56892 33107 64000 79640 17562 70006  
78931 45960 11692 31131 60044 00645 23060 25434

**19514/18214/16314 kHz, 16-06, 0700/0720/0740 UTC**

07545 00001 00000 10140

**16167/14663/13923 kHz, 16-06/17-06, 2100/2120/2140 UTC**

02014 00079 32919 47607 69169 51027 47782 13950 04126 20869  
68249 26126 46430 85538 96528 39330 20980 22492 92386 38091  
41106 63515 21164 89103 76410 08299 65379 03270 85511 63053  
83946 12386 89825 12242 45930 07789 43936 45872 85468 92151  
70172 50291 10692 81173 87877 12773 64366 36278 25461 73088  
68124 64149 62483 87374 71233 20204 60417 14458 79213 18459  
13897 15558 83533 21907 54112 99729 85672 92453 57635 70160  
61679 33634 08226 75019 58431 02837 59661 71795 09800 67750  
57721 52551

**14738/13438/12138 kHz, 18-06, 2100/2120/2140 UTC**

01048 00001 00000 10140

**19514/18214/16314 kHz, 20-06/23-06, 0700/0720/0740 UTC**

07001 00109 61900 82917 66954 68239 31637 21263 47353 17471 35827  
68945 49688 18180 41536 77685 22675 42485 29341 23110 78831 36029  
23745 12786 23569 99529 67799 96163 92186 16593 73325 49857 01745  
96016 24922 99003 42203 25830 01971 49042 81253 50348 50172 65421  
26545 99425 65527 71356 90682 99080 70482 69456 02698 71948 01162  
08898 70743 24407 36752 38774 28254 50233 43110 52058 12383 13881  
89162 68779 82793 07495 46545 08708 26025 42193 36065 85397 33104  
08041 55971 95682 60500 87738 08479 31804 91177 46136 86818 54308  
52594 90768 94967 26626 55561 55673 00484 46681 83693 57263 13434  
49258 37298 33589 87215 57042 43923 74701 72454 59892 00995 32802  
11554 63764

**15884/14984/14384 kHz, 20-06, 1900/1920/1940 UTC**

07808 00001 00000 10140

**14738/13438/12138 kHz, 20-06, 2100/2120/2140 UTC**

03877 00001 00000 10140

**15884/14984/14384 kHz, 22-06, 1900/1920/1940 UTC**

09596 00001 00000 10140

**16167/14663/13923 kHz, 23-06/24-06, 2100/2120/2140 UTC**

05583 00067 67768 69288 11116 89442 79770 86718 98866 81136  
26066 05110 03819 40766 25650 48882 33955 15050 53357 83355  
02232 78638 52553 26770 36374 30662 08872 34783 52883 15331  
50422 35766 20338 74417 81433 38900 43801 33272 63086 67858  
88393 48685 62513 34183 82738 54002 67360 36019 82338 97133  
90430 36857 08237 03685 73963 95066 28630 26821 33946 82226  
66602 77930 31880 81111 04571 33372 88334 70618 36565 30140

**14738/13438/12138 kHz, 25-06/27-06, 2100/2120/2140 UTC**

00840 00089 97212 92931 29110 51181 26283 13343 88211 52961  
41718 62502 93171 35416 67489 62169 54715 57183 57823 16317  
23970 98902 78127 13407 52347 53970 82542 65722 64973 33501  
14028 01806 15695 06140 13021 68262 15126 29798 08361 02867  
91876 11028 26030 72323 47358 86073 98648 88923 99367 72540  
04179 13751 64768 72449 78542 51836 69082 56954 28648 95354  
71463 96961 29115 69725 71900 21191 44065 82077 13096 79000  
90819 47426 20591 88850 91254 33299 44004 92311 13052 80581  
23317 71042 94652 73420 54232 03405 93181 78872 22387 66936  
93053 12654

**19514/18214/16314 kHz, 27-06/30-09, 0700/0720/0740 UTC**

07805 00091 81419 17467 50879 48800 10995 19503 70092 45437  
20604 34097 43048 86054 47792 05593 79462 41182 72654 12529  
41301 96121 95991 00056 53706 62958 40876 19122 82324 56564  
28933 32145 68965 01530 61305 83001 86070 81398 97678 07370  
26240 20945 07527 53031 30842 17272 63382 30653 35601 24516  
15819 63401 77503 38422 05137 28443 21716 87275 35465 07823  
64911 39840 48189 32819 31882 70685 32550 65322 59953 73732  
76976 39756 51546 18945 69541 70374 39928 14032 81347 66326  
75056 48263 77735 17967 67794 81129 31311 83525 30465 19955  
02836 83854 36933 06540

**15884/14984/14384 kHz, 27-06/29-06, 1900/1920/1940 UTC**

00303 00187 15576 60854 80419 43208 24998 97030 32447 79051  
72101 32183 66010 45503 10707 27204 96726 05460 15583 39146  
90412 90973 84709 66032 43179 12841 10416 31419 88614 84154  
18206 51027 17515 88936 72026 87313 77925 96355 43607 30660  
70537 13125 00385 81122 11554 34326 92810 03241 50747 28589  
23805 72470 54360 13827 21929 84544 40049 28398 04101 75806  
78030 01349 90125 43007 91206 70337 81807 63858 04423 93057  
83524 64101 35714 58082 62364 43088 67194 61477 94837 74790  
62587 67901 25524 86500 81820 94273 97658 94637 00028 66785  
62312 78975 26678 50457 10843 24257 68076 97209 56640 66636  
76125 71396 12286 36108 24218 91755 55311 00855 94126 06368  
08849 36864 49193 86032 37898 11425 68997 24323 46223 38819  
10763 09388 27629 84598 70829 11923 14206 68883 48307 93368  
96807 97872 13199 67933 79147 98366 24567 25826 08381 45241  
08563 95766 46288 91941 45458 05476 63726 44110 63142 50670  
23574 71649 14915 62964 28899 51684 30586 18464 99907 43715  
54598 23352 76065 15126 01633 82159 60761 43744 23068 15009  
05322 32835 51142 56274 43105 22357 98805 55160 01496 09373  
00652 76176 86766 31357 73165 19112 61283 39654 31014 52251

**16167/14663/13923 kHz, 30-06, 2100/2120/2140 UTC**

07147 00001 00000 10140

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**F11**

Mode: FSK 100/620

The number of F11 transmissions has decreased in the recent months. New E11 schedules popped up but are not preceded by F11. I wonder why this is.

**8423 kHz, 06-06/09-06, 0900/0905 UTC**

0554 0554 0554 0554 0554  
88888 88888 70493 31486 74153 10060 49405 11549 14562 80609  
42434 92079 27785 91935 03613 10390 65112 42283 82618 40849  
23166 39672 40078 81082 03937 30311 75340 00952 63416 85524  
00845 02427 69987 40858 45907 88888 88888  
00037 00037

**13424 kHz, 12-06, 0845/0850 UTC**

0353 0353 0353 0353 0353  
88888 88888 90847 90625 93560 24145 18660 65377 44249 48586  
38098 66957 09498 94607 54788 53510 82025 02973 94431 05357  
64516 21193 31900 41518 47667 14231 66197 63998 31281 33334  
93183 45635 57790 30882 90037 88888 88888  
00037 00037

Odd behavior on this schedule. The transmission of 13 June should repeat on 15 June but did not. Instead a new message without 88888 groups was sent. On 20 June the same message, again without 88888 was sent and should repeat on 22 June but instead a null message was sent. The paired E11/E11a transmissions carried the same transmissions.

**13470 kHz, 13-06, 0630/0635 UTC**

0574 0574 0574 0574 0574

88888 88888 04406 39585 22495 42064 00468 28761 77005 49902

58207 90325 42984 69259 38848 82434 95463 86040 82169 69957

86075 04345 15736 80446 04001 66164 03703 45110 79789 41060

13359 23613 28362 28245 55128 40021 78681 23457 81642 12181

67841 88888 88888

00043 00043

**13470 kHz, 15-06/20-06, 0630/0635 UTC**

0574 0574 0574 0574 0574

78419 03307 14295 29558 90649 31894 47136 49157 00759 95903

35137 79547 54697 68946 31121 80792 36354 17288 91303 47865

51497 73919 60801 60615 84104 41237 28160 97013 03327 52292

08662 69780 74715 39766 29183 15946 34431 78631 75400 34693

18564 16903 28739

00043 00043

Note: no 88888 sequence before and after the message

**13470 kHz, 22-06, 0630/0635 UTC:** 0574 00000

**6280 kHz, 20-06/21-06, 1150/1155 UTC**

0325 0325 0325 0325 0325

88888 88888 34327 40226 45035 88005 86781 72842 37671 63644

87362 46738 74791 82468 85515 07258 33569 06893 74682 93544

64725 89989 30246 87957 62835 43073 99793 85498 39107 54802

46746 78763 91075 88888 88888

00035 00035

**6480 kHz, 22-06, 0800/0805 UTC**

0434 0434 0434 0434 0434

88888 88888 41876 63334 78884 21824 33009 67798 98038 73045

90706 85665 52357 29579 81795 57712 53641 35368 37614 02401

28841 50645 47106 16466 50841 93347 75736 16227 83393 29226

82608 13818 80695 62663 20729 88888 88888

00037 00037

**7837 kHz, 26-06/29-06, 0515/0520 UTC**

0446 0446 0446 0446 0446

88888 88888 17410 97377 72602 86012 82777 76678 03003 43665

45969 26246 66843 20969 28634 27531 48552 99806 68186 04017

68145 50597 78613 30257 10846 65986 23375 41086 11319 28676

32809 05257 07497 56231 21939 77779 34046 88888 88888

00039 00039

**15632 kHz, 28-06/30-06, 0730/0735 UTC**

0453 0453 0453 0453 0453

88888 88888 56157 78988 50099 39433 30813 28094 77610 38720

31171 33758 78029 31774 89731 88738 50622 94714 96442 28420

26268 71235 08503 81708 28112 16350 82128 55207 26466 74875

95871 62938 02839 88888 88888

00035 00035





## Q26 - Chinese military

Mode: 4+4 QPSK 75/3000 LSB

### **19981 kHz, 04-06, 0630 UTC**

QIWX QIWX QIWU DE WSNX WSNX WSNX

QIWX QIWX QIWX DE WSNX WSNX WSNX

XYXYXYXYXY

6536 5229 3857 0482 4858 etc.

### **19511 kHz, 06-06, 0600 UTC**

QIWX QIWX QIWX DE WSNX WSNX WSNX

XYXYXYXYXYXY HR GA CY

2148 91 18 0606 1428

7538---3285

6091 8370 9601 0318 9239 4660 2421 0571 0281 0005

9501 8540 7235 7845 3970 7204 2869 1867 1458 1417

3256 4634 4774 6899 2349 1771 7080 1593 7355 4270 etc

### **19981 kHz, 07-06, 0600 UTC**

QIWX QIWX QIWX DE WSNX WSNX WSNX

XYXYXYXYXYXY HR GA

2163 91 18 0607 1424

7538---3285

6091 8370 9601 0318 9239 4660 2421 0571 0281 0005

9501 8540 7235 7845 3970 7204 2869 1867 1458 1417

3256 4634 4774 6899 2349 1771 7080 1593 7355 4270

4645 9873 3715 1396 2372 1696 4-08:6073 7443 1007 etc.



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

Heard on:

4153, 4231.5, 4291,6250, 6417, 6445, 8313, 8588, 8703.5 kHz, 25-06, 0615-0623 UTC, QPSK 1500Bd

4153, 4231.5, 4291,6250, 6417, 6445, 8313, 8588, 8703.5 kHz, 28-06, 0630-0635 UTC, QPSK 1500Bd

## **DIPLOMATIC STATIONS**



## *Sudanese diplomatic stations*

21000 kHz, 05-06, 1719 UTC, USB

21000 kHz, 05-06, 1723 UTC, Pactor-I

MFA Khartoum, wkg Sudanese embassy in Yemen. Voice traffic

MFA Khartoum, message to Sudanese embassy in Yemen



## North Korean diplomatic stations

Freq	Date	UTC	Mode	Details
12111.5	07-06	0632	DPRK-ARQ 600/600 LSB	North Korean diplo i.p.
16084.5	08-06	1019	DPRK-ARQ 600/600 LSB	North Korean diplo i.p.
16024.5	08-06	1020	DPRK-ARQ 600/600 LSB	North Korean diplo i.p.
13888.5	08-06	1310	DPRK-ARQ 1200/1200 LSB	North Korean diplo i.p.
12397.5	09-06	0957	DPRK-ARQ 1200/1200 LSB	North Korean diplo i.p.
16024.5	10-06	1003	DPRK-ARQ 600/600 LSB	North Korean diplo i.p.
16024.5	14-06	0937	DPRK-ARQ 600/600 LSB	North Korean diplo i.p.
14350	24-06	1319	DPRK-ARQ 600/600 LSB	North Korean diplo i.p.
14750	24-06	1327	DPRK-ARQ 600/600 LSB	North Korean diplo i.p.
13440.5	27-06	0640	DPRK-ARQ 1200/1200 LSB	North Korean diplo i.p.
16245.5	27-06	0642	DPRK-ARQ 1200/1200 LSB	North Korean diplo i.p.
13115.5	27-06	0644	DPRK-ARQ 1200/1200 LSB	North Korean diplo i.p.



## Egyptian diplomatic stations

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

**16223.7 kHz, 07-06, 2009 UTC, SITOR-A 100/170**

MFA Cairo clg RCVB: Egyptian Embassy Washington

**16023.7 kHz, 09-06, 0822 UTC, SITOR-A 100/170**

MFA Cairo clg OOV: Egyptian embassy Islamabad followed by a message

DA83 962

\$5 FFBC9 A1478

=9 CAB C0EEE

E9637 8808UUTWT 20E\$8 A7620 31C43 4AC4F ED5CD CA97D 25BA9 726E2 51706 A9C58 87E50 7A 36666 23748 0\$8 53:7A9 58 36E68 48BF9 3EC07 02D65 0D87

=3 ?8E2C A8 9E0+7&OOVP OOV OOV OOV OOV OOV OOV +?+8+=0 OOV OOV OOV OOV OOV OOV OOV OOV OOV MVKAFAP OOV OOV OOV OOV

**16067.7 kHz, 09-06, 1232 UTC, SITOR-A 100/170**

Egyptian embassy Islamabad sending a very long message to unid

: ISLAMABAD

TO

TIME & 53: 14:23, FRIDAY, JUNE 09, 2017

NUMBER OF GROUPS: 464

URGENT

===--2

1000F 83723 002C3 65BBC VXOE1783 2B802 F2505 CB5F 74010 100A73\$ \$4E2D 17865 81892 A6092 B7ARIUII C51C3 8D976

48376 8FD14 4334EC 0- \$2EBC 7021A 5526D 34DA0 57E2C 9F7 815CA 8369C 695C2 0 9520C E4B8A BADA %

'5655EA60QHK47300053 FED98A09 D9EG BWFO 0B017 7 \$:793 1F803 A76E6 5904:9(CA37 6B828 3082 D912F 5CEDB 9DCE8594 78747 B8D47 18398 DD5B9 C1D4 65EED 26FC9 ABC31 56731 C-3 EECC 5763D 82AB1 205B 8D449 A69AE E8871 0904B 4D5F8

DD694 A1303 9475 AF97C 32027 1EBD1 A5D74 08FB1 96 3C3OR A50A6 89CF1 17 IDD2A 10'48A EE09B 14478 2D5B: 656  
etc etc etc

KDSWJ KAUKD---LJ KDJLKUA X Q PYX O  
IIIMMM OBB CKK

FM  
JZHFWMM PWGF UKSD OMM PWGF UKSD JGKLDH AA AA AA AA FPQ OBB NNM  
VR ZLL A 21-- --  
212/2 -- -- -- -- +)) @11 %%%??9?? -- -- -" -- -- --

HUXD  
+?788,,(%%=788KDPCF 83 G  
9B0A3 9B0A3HUXD+?  
CFFKFFUIPCF MH VDCH KGK OKSI KDPCF 83

\$1+US KOBKDD CYKS HJKJ SK VKDS YKDRKS  
KDU ZWF US KJG KDDR YKS  
WD PGH LKGH CSY  
JO HTSKH KDQOYFS YKKKS YKKKS  
+?LKGH YWKJD KDXQH LKOKUSHUS KJG KDDR YKS  
ZM

---

**14619.7 kHz, 10-06, 1015 UTC, SITOR-A 100/170**  
MFA Cairo clg XBVF: Egyptian embassy Madrid followed by a message

XBVF XBVF XBVF XBVF HJKJ HGKMS RKS+?  
ZWDRK JZ GUOR RKS KFPD RGK HUXD UII+?:%%(%%:%%HUXD RGK  
NNTNN

KPPPPPPHOMMMM  
Y--FASH FAJ / L/H 0321 01 / 6 / 7102  
J---G : J--MFSM  
KD--S : KR  
-----

HTSKH GK ) 0 (  
KDSWJ KAUKDGK OG KDSLJ 01 / 6 / 7102 WJK SDS : -

KDX---KMF KD----LKFM  
-----  
OMM PWGF UKSD OFXS OMM L  
PWGF UKSD JGKLDH

212 1 - - - 2 - -- - -  
312 1 - - - 312 - -- - -  
-----  
JQJLO 2 - - - JQJLO - - - -

KQJKDS KDXKMF ) 2 ( ) KNGSG ( KQJKDS KDLKFM ) - ( ) DKZE (  
-----  
LDSP DMSGK YFASKH JHBDUR  
G JFPD DPSKMHWJ DDHWFJ YKDODJ ... LZWFK  
NNN

RD HJKJ TYSYS K THS KDGRKSR  
YKS BNVBN YKS YKS JT

---

Egyptian diplo i.p.

BNLU KDKAUKD L WDR ODS KDRKS KDRKS HJKJ WDR HWGCIICFFUIIIIIISKVKDS YP KDSLJ ZKSU HTPG US KDODK RJK XDTLK  
KDRLKESKH  
LKDSKV LHPDJJ AFOKSHDDR LKJGR YKIIIXD H

IIIUIIOZKG KGH FKQ

MFA Cairo clg OOVp: Egyptian embassy Islamabad followed by a message

KPKHMGK LXDH LDSM L HKKJFGK HUXD +?@2HJKJ LDSM KDKAUKD  
CFFSKYKZK KHXT BDKX HKKJFGS L WDR ODS KDRKS PYDSM  
+?RD

CFFFFF KPHKM FOKSH KDJLD

MFA Cairo clg RCVB: Egyptian Embassy Washington followed by a short message

LHA

MFA Cairo clg RCVB: Egyptian Embassy Washington followed by a long message

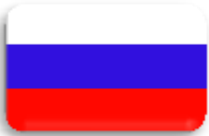
=====



**11360 kHz, 16-01**

1435 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) USB w/78805 (IL-76MD) reporting departure from Staraya Russa w/35 tons fuel.  
1715 UTC Proselok (Russian Air Force 566th Air Transport Regiment, Bryansk) USB calling 76789 (IL-76MD) w/no response.

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**M32**  
**Russian / CIS Military CW Stations**

See the appendix for more M32 traffic.

**11593 kHz, 29-06, 1303 UTC**

i.p. DE IU6Z IU6Z K.  
R K.  
2MBA 2MBA 2MBA DE IU6Z IU6Z K.  
R K.  
P7O2 P7O2 P7O2 DE IU6Z IU6Z K.  
R K.  
4W6G 4W6G 4W6G DE IU6Z IU6Z K.  
R K.

---



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

**6324 kHz, 15-06, 1031 UTC. Simplex net.**

VVV RMKV DE RJD93 ZZD ? K  
VVV RMKV DE RJD93 ZZD ? K  
RJD93 DE RMKV ZZD 2 ZNN 1 ZM.  
RMKV DE RJD93 ZZD ? ZNN 3 K  
ZNN 1 Z.R ?  
RJD93 ZZD ? k  
RMKV ZZD 2 K  
RJD93 AS 1  
RMKV de RJD93 K  
RJD93 DE RMKV K  
ZZU ZZT 7945 7945 K  
R MKV OK ZZU 7945 7945 K  
CC ZBR K  
(Switched to 7945 - carrier came up)  
VVV RMKV DE RJD93 ZZD ? K  
RJD93 DE RMKV 6GD 3 ZZD ? K  
RMKV DE RJD93 ZZD 3 ZGR K  
PHT.UID\HCZY.U\URESGB.T (Cont'd)

---



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

**8816 kHz, 16-06, 0835 UTC**

RJF94 RJC38 DE 08006 QTH 16043 13101 QTR 0831 QBK 4100 K  
QQM XLLV 0846 SK

**8816 kHz, 16-06, 1005 UTC**

RJF94 RJC38 DE 65376 QTO 0959 QRD XLLV XLMV QRE 1145 QBD 0430 K  
QQULPE 1045 QBG 9500 QBD 0330 K  
QQM XLLV 1134 SK

**8816 kHz, 16-06, 1055 UTC**

RJF94 RJC38 DE 08006 QTO 1048 QRD XUER XLLV QRE 1218 QBD 0800 K  
QQULXUET 1146 QBG 6300 K  
QQM XUER 1201 SK

**8816 kHz, 16-06, 1259 UTC**

RJF94 RJC38 DE 08006 QTO 1251 QRD XWWS XUER QRE 1505 QBD 0600 K  
QTH 15552 14152 QTR 1354 QBG 6400 K  
QQM XWWS 1502 SK

**8816 kHz, 16-06, 1415 UTC**

RJC38 RJF94 DE 08006 QTO 1404 QRD XLMV XLLV QRE 1635 QBD 0600 K  
QTH 16350 13346 QTR 1505 QBG 7300 K  
QTH 16827 13245 QTR 1604 QBG 4900 K  
QQM XLMV 1623 SK 25-JUN-17 (WP3)

**8816 kHz, 18-06, 0756 UTC**

RJF94 RJC38 DE 52592 QTO 0745 QRD XLLV XLMV QBD 0500 QRE 1045 K  
QTH 16557 13350 QTR 0845 QBG 5500 K  
QTH 16112 13223 QTR 0945 QBD 0330 QRE XLLV 1045 K  
QQM XLLV 1022 SK

**8816 kHz, 18-06, 1132 UTC**

RJF94 RJC38 52592 QTO 1121 QRD XUMO XLLV QBD 0530 QRE 1325 K  
QTH 15743 13457 QTR 1220 QBG 5800 QRE XUMO 1320 K  
QQM XUMO 1315 SK

**8816 kHz, 18-06, 1746 UTC**

RJF94 RJC38 DE 08006 QTO 1739 QRD XLMV XWWS QRE 2210 QBD 0730 K  
QTH 15550 14144 QTR 1841 QBG 6700 K  
QTH 15939 13751 QTR 1938 QBG 6700 K  
QTH 16424 13454 QTR 2039 QBG 6700 QBD 0400 K  
QQM XLMV 2147 SK

**8816 kHz, 18-06, 1801 UTC**

RJF94 RJC38 DE 52592 QTO 1735 QRD XLMV XUMO QBD 0530 QRE 2035 K  
QTH 15842 13803 QTR 1835 QBG 5800 K  
QTH 16153 13639 QTR 1935 QBD 0330 QRE XLMV 2135 K  
QTH 16557 13350 QTR 2032 QBD 5500 QRE XLMV 2135 K  
QQM XLMV 2140 SK

**8816 kHz, 25-06, 1415 UTC**

RJC38 RJF94 DE 08006 QTO 1404 QRD XLMV XLLV QRE 1635 QBD 0600 K  
QTH 16350 13346 QTR 1505 QBG 7300 K  
QTH 16827 13245 QTR 1604 QBG 4900 K  
QQM XLMV 1623 SK

**8816 kHz, 26-06, 0531 UTC**

RJC38 RJF94 DE 52592 QTO 0520 QRD XLWF XLMV QRE 0820 QBD 0530 K  
QTH 16622 13334 QTR 0615 QBD 0430 QBG 5800 K  
QAY XLPB 0727 QBD 0330 QRE XLWF 0835 K  
QQM XLWF 0830 SK

**8816 kHz, 26-06, 1059 UTC**

RJC38 RJF94 DE 52592 QTO 1050 QRD XUWL XLWF QRE 1320 QBD 0530 K  
QTH 15622 13725 QTR 1154 QBD 0430 QRE XUWL 1225 K  
QQM XUWL 1304 SK

**8816 kHz, 26-06, 1447 UTC**

RJC38 RJF94 DE 52592 QTO 1437 QRD XLPB XUWL QRE 1740 QBD 0430 K  
QQL UUBB 1538 QBD 0330 QBG 5500 K  
QQL ULWC 1638 QBD 0230 QRE XLPB 1730 K  
QQM XLPB 1733 SK

**8816 kHz, 27-06, 0912 UTC**

RJC38 RJF94 DE 52592 QTO 0900 QRD XLMG XLPB QRE 1110 QBD 0430 K  
QQL ULPE 0957 QBD 0330 QBG 5500 QRE XLMG 1055 K  
QQM XLMG 1100 SK

**8816 kHz, 27-06, 1114 UTC**

RJC38 RJF94 DE 08006 QTO 1103 QRD XLLV XLMV QRE 1333 QBD 0500 K  
QTH 16428 13440 QTR 1208 QBG 7000 K  
QTH 16045 13109 QTR 1301 QBG 4900 K  
QQM XLLV 1327 SK

**8816 kHz, 27-06, 1815 UTC**

RJC38 RJF94 DE 08006 QQM XUWL 1804 SK

**8816 kHz, 29-06, 0615 UTC**

RJC38 RJF94 DE 08006 QTH 15640 13750 QTR 0613 QBG 7000 K  
QTH 16047 13709 QTR 0711 QBG 7300 K  
QTH 16532 13406 QTR 0811 QBG 7300 QBD 0400 K  
QQM XLMG 0851 SK

**8816 kHz, 29-06, 1114 UTC**

RJF94 RJC38 DE 52592 QTO 1100 QRD XLPB XLMV QRE 1300 QBD 0500 K  
QQL ULPE 1214 QBD 0400 QBG 5500 QRE XLPB 1310 K  
QQM XLPB 1305 SK

**8816 kHz, 29-06, 1115 UTC**

RJC38 RJF94 DE 08006 QTO 1103 QRD XSSS XLMG QRE 1525 QBD 0700 K  
QTH 16530 14030 QTR 1205 QBG 7600 K  
QTH 16220 14903 QTR 1305 QBG 7600 K  
QQL XSPP 1409 QBG 7600 QBD 0400 QRE XSSS 1455 K  
QQM XSSS 1456 SK

**8816 kHz, 29-06, 1417 UTC**

RJF94 RJC38 DE 52592 QTO 1407 QRD XLMV XLPB QRE 1615 QBD 0500 K  
QQL ULPE 1500 QBD 0400 QBG 5500 QRE XLMV 1610 K





## JCS FOXTROT MESSAGES & EMERGENCY ACTION MESSAGES

Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

**Frequencies: 4724, 6712, 6739, 8992, 11175, 13200, 15016 kHz**

10-06, 1521 UTC	Dynatron	30 chr EAM 43BFBC N7Z5EIOGFOK3WUVIYH5XA62
10-06, 1534 UTC	Dynatron	30 chr EAM 43IITI IFPNMT3RQJPYHUQNC53K5XNE
10-06, 1720 UTC	Dynatron	63 chr EAM W2CNSA 3SWH5PHFVYWSY44ONLWOC66O0BWSKG4ONXW4L6EAC2S63SN6B4BTOUB5
10-06, 1726 UTC	Dynatron	30 chr EAM W2PXEE ZBFIVHUZNNDGDTI6YJHYVS2B
10-06, 1753 UTC	Dynatron	30 chr EAM 43HMWO IBTCL6S2S2K6UNLXOGK663MP
10-06, 1807 UTC	Dynatron	43 chr EAM W2K6SA ME56W53VOJ25W4BR7T6OJFI5MCIDLKPP7HJL
10-06, 2032 UTC	Dynatron	30 chr EAM for Razorblade W2KQBG UQHLTRKOLJZWAIYGQOK4H3KH
10-06, 2034 UTC	Dynatron	30 chr EAM for Razorblade W2KQBG UQHLTRKOLJZWAIYGQOK4H3KH
11-06, 1831 UTC	Material	30 chr EAM 43VZJI ZR7255ASTNVLKZWUH7PIJKMV
11-06, 2117 UTC	Material	30 chr EAM 43WPJK 4POFIJQRXVHJ567LAVG62FQL
11-06, 2132 UTC	Material	30 chr EAM 43WPJK 4POFIJQRXVHJ567LAVG62FQL
13-06, 1706 UTC	Overture	30 chr EAM QC24SY AI7RUPB5RXTUJ72WRT2YBNR
13-06, 1728 UTC	Overture	30 chr EAM 435COW QBES7VRT3TW6UAMFXDQ3G72J
13-06, 1731 UTC	Overture	30 chr EAM 435COW QBES7VRT3TW6UAMFXDQ3G72J
13-06, 1734 UTC	Overture	30 chr EAM 43Z4AJ SAQ3TQOINDHL2V6B6IINGCVF
13-06, 1806 UTC	Overture	30 chr EAM 435COW QBES7VRT3TW6UAMFXDQ3G72J
13-06, 1819 UTC	Overture	30 chr EAM 437BSI ID3DCBXU4SQLACJ45XIYCMRC
14-06, 1419 UTC	Jar Seal	30 chr EAM for Trialled QCRMSV UGO4PYAUQRQKK4VKU6N27D2B
14-06, 1435 UTC	Jar Seal	30 chr EAM for Counter Charge QCWKIM XWFWJUVNKM L GPGSCNHALPEP6
14-06, 1449 UTC	Jar Seal	30 chr EAM for Counter Charge QCEORX MWDCKX64GSULY6AYRHVMJBG6
14-06, 1502 UTC	Jar Seal	30 chr EAM 43OK2H XZ3ELEYLLZWG7CJIHVVMY27
14-06, 1525 UTC	Jar Seal	30 chr EAM 43TW2B UKFZFEEQTXAPRGOEGJFVLWX
14-06, 1640 UTC	Jar Seal	30 chr EAM 43MHU6 UTG7LEPH34J22IGMFOPUVDGA
14-06, 1658 UTC	Jar Seal	30 chr EAM 43L7EB 7DOE62ZKHHZ2NDO3TJUQZUMH
14-06, 1743 UTC	Jar Seal	30 chr EAM 43IRYN D2CIS5PZOMOIR72VTWAZJXDQ
14-06, 2016 UTC	Jar Seal	30 chr EAM 4362PC JWVLJIFXA4GHR3EIR52X3ITG
14-06, 2021 UTC	Jar Seal	30 chr EAM 43CUJB FU2BITKKLROGHIV7UV5TRAJD
15-06, 1555 UTC	Radionet	41 chr EAM QCUJJB M5DEPN7FVSZCVRHDBOXRCBNQYR66EDGA7TU
15-06, 1602 UTC	Radionet	41 chr EAM QCUJJB M5DEPN7FVSZCVRHDBOXRCBNQYR66EDGA7TU
15-06, 1653 UTC	Radionet	36 chr EAM QC2F2N LETL6ITMHR47MJ2ATBZYPLQBYNNYO
15-06, 1657 UTC	Radionet	40 chr EAM QCUFPI UXKK7NVF7DIU3UILT7STGHMF3ZSRHTWYY6
15-06, 1602 UTC	Radionet	30 chr EAM for Absolution QCAOWL NLV3OER4YGEIAJVBU4MJXNAW
16-06, 1551 UTC	Fortunate	36 chr EAM QCQ4EO 7HW2DTCFA6LHPUNGBWGPXHSNYCINV
16-06, 1558 UTC	Fortunate	47 chr EAM QCLQPE XOROLLWICUHVJC6DZTZQVLA ROC4FQJ13LUWLCFOLE
16-06, 1607 UTC	Fortunate	30 chr EAM QCPN5F HOGQLYLS5RW7LIQ4GKP2MSGV
16-06, 1639 UTC	Fortunate	30 chr EAM 43XXDW J7VFJDLTCOP46NQOERQUUL3X
19-06, 1520 UTC	Fortunate	57 chr EAM QC6WUH 3AFPYU66SDOLQZIBNGHIBNQHIGN7IKGXUZ XUE5VTM2EBQ4NXM3D
19-06, 1525 UTC	Fortunate	30 chr EAM for Finance Charge QCNIBD JAE7BKYHNXQ2KCAOSNOC52LT
19-06, 1529 UTC	Fortunate	30 chr EAM QCJSVE RMXR7I3AXHVCE65F3QFPWTBV5CTXRE
19-06, 1531 UTC	Fortunate	57 chr EAM QCJSVE RMXR7I3AXHVCE65F3QFPWTBV5CTXRE
19-06, 1608 UTC	Fortunate	85 chr EAM QCZLR3 CCNUZISZSBXKCHJ34Q3234QA77CGNTUZXRP4K7GKM2QQO34Z2 stops and restarts at 1612 UTC with a new operator: QCZLR3 CCNUZISZSBXKCHJ34Q3234QA77CGNTUZXRP4K7GKM2QQO34Z2G34XICLG4Z5SQ TUZXRP47LSQM2QQ0RZ
26-06, 1549 UTC	Activate	This is Activ, Active, break. Disregard this message
26-06, 1550 UTC	Activate	30 chr EAM 4XTPX6 ZPQ7JDZPC6WS6C3VKSUCNHB
26-06, 1610 UTC	Activate	30 chr EAM 4XJGV6 YRBKTTSHDI5U63JXRMN6SFD4
26-06, 1614 UTC	Activate	30 chr EAM 4XZR47 F5MN3GCAYZSIKWRJLWXWYNX
26-06, 1817 UTC	Activate	30 chr EAM for Alouta-52 QCP5T2 NL4UDW3UANQQKH Y3SJZKYXA

26-06,1848 UTC	Activate	30 chr EAM 4XFK6I EXF5LPVE4MLH4UKEBR35L5ZG
27-06,1553 UTC	Pullover	68 chr EAM QCAB6I 7CZ44WM4JASSAPLPUIELPUXEM5BCMIW3QY4RLTDBIW3O7ZU6C6BIW36Q2IJ7MW
27-06,1612 UTC	Pullover	30 chr EAM 4X6CDX DNU7TPXTQNCLDBSF6RIEO6MA
28-06,1625 UTC	Calm day	30 chr EAM 4XJORK VRKJCR3DBXJ4G3YUDSPVQZL
28-06,1629 UTC	Calm day	30 chr EAM 4X6QRE KH4ACSWVKAHPFOSEWS2YERVP
28-06,1635 UTC	Calm day	EAM i.p. FDK2LM4CRBKKGWSZ2T
28-06,1639 UTC	Calm day	30 chr EAM for Artery YTBWCQ 3JOT7T453QOCPFKUHHKCQHHD
28-06,1646 UTC	Calm day	30 chr EAM 4XG7JT N3QG2GMT42M6MKWEFT3BBCT5
28-06,1702 UTC	Calm day	30 chr EAM 4XDID7 OX7AOXUPUAGBP3FEAUBKR33P
28-06,1718 UTC	Calm day	30 chr EAM 4XIUHB VPYFVBLEXU5QA4CHMBQ6TEHS
28-06,1733 UTC	Calm day	30 chr EAM 4XD5CT EDSSGOY7LQ2WT6QKUPWNBIQX
28-06,1745 UTC	Calm day	30 chr EAM 4XBUEQ 2JPE6GHSL4J66XMCLP5YD72B
28-06,1834 UTC	Calm day	30 chr EAM 4XY5XM HENW5J4P4RTWSXMNKPUCOTGR
29-06, 1504 UTC	Yale Man	30 chr EAM 4XMQHI OVG67FSCEDBEIFNDNHEF2LCB
29-06, 1507 UTC	Yale Man	This is Yale Man standing by for traffic
29-06, 1518 UTC	Yale Man	37 chr EAM YT6FRY KR6XVLY5BBEYFU42JS5NVZ3TTPMCFOF
29-06, 1521 UTC	Yale Man	37 chr EAM YTNNAJ CRRFLBOHZW6ZWKFRCJFNJP3MS5NJYB
29-06, 1528 UTC	Yale Man	30 chr EAM 4XEDFA WFL46QHSWULSNU4DURMFQTOW
29-06, 1538 UTC	Yale Man	37 chr EAM YT6FRY KR6XVLY5BBEYFU42JS5NVZ3TTPMCFOF
29-06, 1541 UTC	Yale Man	30 chr EAM 4XBJ3K JUX5VU32EQWZ3QHQSUA4E5UF
29-06, 1603 UTC	Yale Man	30 chr EAM 4XFSRQ 26ZUS2RY7JNGF2AAJ2Y3QIRO
29-06, 1608 UTC	Yale Man	30 chr EAM 4XAHRP KKPNTBRR2KEPMI27SSZWJBV
29-06, 1703 UTC	Yale Man	30 chr EAM for Batchelor YTXAQH DUP7P7MTQIEEF5KQDOE6AED2
29-06, 1746 UTC	Yale Man	30 chr EAM for Quit-70 YTOWKQ YL2FSVIPRA2IBUOKIQ7B5RJ
29-06, 1804 UTC	Yale Man	30 chr EAM 4X27G3 LDJSATIPVSQRQWWIUIFS250
29-06, 1816 UTC	Yale Man	30 chr EAM 4XLUFK AG25UZTMCEC23IMTAUZ4TA2U
29-06, 1901 UTC	Yale Man	30 chr EAM 4XPDIS ZFN7ZCNGMW6T6SFN2RPQ42VEX
29-06, 1930 UTC	Yale Man	30 chr EAM F476FR 3JBAHRBAFBXLL7HUHCA2YVA5
29-06, 2017 UTC	Yale Man	30 chr EAM F4SCXA M6DQEUBWKPTWIZ64JHFQXSJ3
29-06, 2029 UTC	Yale Man	30 chr EAM F4LPCW 7UQZLCL13VUZ5E76WWQQ4ZTA
30-06, 1410 UTC	Lost Shoe	30 chr EAM F4SR7F 2BG4LDYUHOHAHEJ3NBB6AFE4
30-06, 1419 UTC	Lost Shoe	30 chr EAM F4EIRF 5FZ7WPOT7I4IPUX6Q6UEIWNH
30-06, 1505 UTC	Lost Shoe	30 chr EAM YTN3QX EBQ7Z5XXHAFWLKR3JDBRSWO
30-06, 1543 UTC	Lost Shoe	36 chr EAM YTFXJP 4Q7ZCGSUT7RTBZMN777DOJRP5RPGFP disregard this message
30-06, 1546 UTC	Lost Shoe	36 chr EAM YTFXJP 4Q7ZCGSUT7RTBZMN777DOJRP5RPGFP
30-06, 1914 UTC	Lost Shoe	30 chr EAM F4WIFT XPF1PL4WHRQSIHCQ3LUNYLWH
30-06, 2020 UTC	Lost Shoe	30 chr EAM F4HNGT C2WRV4EEGK7XJJ3QCFGVZGG3

## LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	ctrb
---	6771	16-6	1525	Fri	Kamil-61 (O/M Ukrainian) clg Rabota-43, Subota-71, Tamar-68, Sibir-31, Valdov-94, Riga-67	USB	(RP-MD)
---	12856	30-6	0719	Fri	XSG Shanghai Radio i.p. with messages similar to M89: T7T7 6A53 T677 53TT 53T7 3A	CW	(JPL)
DPRK	12111.5	7-6	0632	Wed	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	16084.5	8-6	1019	Thu	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	16024.5	8-6	1020	Thu	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	13888.5	8-6	1310	Thu	North Korean diplo i.p.	DPRK-ARQ 1200/1200 LSB	(AB)
DPRK	12397.5	9-6	0957	Fri	North Korean diplo	DPRK-ARQ 1200/1200 LSB	(AB)
DPRK	16024.5	10-6	1003	Sat	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	16024.5	14-6	0937	Wed	North Korean diplo	DPRK-ARQ 600/600 LSB	(AB)
DPRK	14350	24-6	1319	Sat	North Korean diplo	DPRK-ARQ	(Phi)

						600/600 LSB	
DPRK	14750	24-6	1327	Sat	North Korean diplo	DPRK-ARQ	(Phi)
						600/600 LSB	
DPRK	13440.5	27-6	0640	Tue	North Korean diplo i.p.	DPRK-ARQ	(AB)
						1200/1200 LSB	
DPRK	16245.5	27-6	0642	Tue	North Korean diplo i.p.	DPRK-ARQ	(AB)
						1200/1200 LSB	
DPRK	13115.5	27-6	0644	Tue	North Korean diplo i.p.	DPRK-ARQ	(AB)
						1200/1200 LSB	
E06	13985	1-6	0500	Thu	328 917 50 79825	USB	(HFD)
E06	15830	1-6	0600	Thu	328 917 50 79825	USB	(HFD)
E06	13985	15-6	0500	Thu	328 614 57 57541 58014 19983 ... 62526 11680 12522 614 57 00000	USB	(AB/ES)
E06	15830	15-6	0600	Thu	328 614 57 57541 58014 19983 ... 62526 11680 12522 614 57 00000	USB	(AB/ES)
E06	13985	16-6	0500	Fri	328 614 57 57541 58014 19983 ... 62526 11680 12522 614 57 00000	USB	(AB)
E06	15830	16-6	0600	Fri	328 614 57 57541 58014 19983 ... 62526 11680 12522 614 57 00000	USB	(AB)
E06	5731	16-6	2130	Fri	315 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000	USB	(AB)
E06	8172	21-6	1000	Wed	825 961 47 48821 97056 ..... 36548 72654 961 47 00000	USB	(ES)
E06	12212	22-6	0400	Thu	361 ...	USB	(HFD)
E07	9064	3-6	0600	Sat	024 024 024 000	USB	(ES/HFD)
E07	9064	4-6	0600	Sun	024 024 024 000	USB	(AB/HFD)
E07	10264	4-6	0620	Sun	024 024 024 000	USB	(AB/HFD)
E07	14842	4-6	1700	Sun	841 841 841 000	USB	(HFD)
E07	13442	4-6	1720	Sun	841 841 841 000	USB	(MPJ/HFD)
E07	16328	5-6	1900	Mon	384 384 384 000	USB	(MPJ)
E07	16328	5-6	1900	Mon	384 384 384 000	USB	(AB)
E07	14828	5-6	1920	Mon	384 384 384 000	USB	(AB/HFD)
E07	14828	5-6	1920	Mon	384 384 384 000	USB	(MPJ)
E07	18637	6-6	1100	Tue	648 648 648 000	USB	(AB/MPJ/HFD )
E07	17437	6-6	1120	Tue	648 648 648 000	USB	(AB/MPJ/HFD )
E07	14842	7-6	1700	Wed	841 841 841 000	AM	(AB/MPJ)
E07	13442	7-6	1720	Wed	841 841 841 000	AM	(AB)
E07	16328	7-6	1900	Wed	384 384 384 000	USB	(AB/MPJ/RL)
E07	14828	7-6	1920	Wed	384 384 384 000	USB	(AB/GHn/MPJ /RL/HFD)
E07	10714	8-6	2030	Thu	273 273 273 000	USB	(AB/HFD)
E07	18637	9-6	1100	Fri	648 648 648 000	USB	(AB/MPJ/ES)
E07	17437	9-6	1120	Fri	648 648 648 000	USB	(AB/MPJ/ES)
E07	9064	10-6	0600	Sat	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB/ES)
E07	10264	10-6	0620	Sat	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	11464	10-6	0640	Sat	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	9064	11-6	0600	Sun	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	10264	11-6	0620	Sun	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	11464	11-6	0640	Sun	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	14842	11-6	1700	Sun	841 841 841 000	AM	(AB/MPJ)
E07	13442	11-6	1720	Sun	841 841 841 000	AM	(AB/MPJ)
E07	16328	12-6	1900	Mon	384 384 384 000	USB	(AB/RL)
E07	14828	12-6	1920	Mon	384 384 384 000	USB	(AB/RL)
E07	18637	13-6	1100	Tue	648 1 319 155 08816 86577 41127 ... 22412 12178 53605 000 000	USB	(AB/MPJ/ES)
E07	17437	13-6	1120	Tue	648 1 319 155 08816 86577 41127 ... 22412 12178 53605 000 000	USB	(AB/MPJ/ES)
E07	15837	13-6	1140	Tue	648 1 319 155 08816 86577 41127 ... 22412 12178 53605 000 000	USB	(AB/MPJ/ES)
E07	14842	14-6	1700	Wed	841 841 841 000	AM	(AB/MPJ)
E07	13442	14-6	1720	Wed	841 841 841 000	AM	(AB)
E07	16328	14-6	1900	Wed	384 384 384 000	USB	(AB/MPJ/RL)
E07	14828	14-6	1920	Wed	384 384 384 000	USB	(AB/MPJ/RL)
E07	12213	15-6	2010	Thu	273 1 131 75 75911 12791 78199 ... 90550 58093 73939 000 000	AM	(AB)
E07	10714	15-6	2030	Thu	273 1 131 75 75911 12791 78199 ... 90550 58093 73939 000 000	AM	(AB)
E07	9347	15-6	2050	Thu	273 1 131 75 75911 12791 78199 ... 90550 58093 73939 000 000	AM	(AB)

E07	18637	16-6	1100	Fri	648 1 319 155 08816 86577 41127 ... 22412 12178 53605 000 000	USB	(AB/MPJ/ES)
E07	15837	16-6	1120	Fri	648 1 319 155 08816 86577 41127 ... 22412 12178 53605 000 000	USB	(AB/MPJ/ES)
E07	17437	16-6	1120	Fri	648 1 319 155 08816 86577 41127 ... 22412 12178 53605 000 000	USB	(AB/MPJ/ES)
E07	9064	17-6	0600	Sat	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	10264	17-6	0620	Sat	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	11464	17-6	0640	Sat	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	9064	18-6	0600	Sun	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	10264	18-6	0620	Sun	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	11464	18-6	0640	Sun	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	14842	18-6	1700	Sun	841 841 841 000	AM	(AB)
E07	13442	18-6	1720	Sun	841 841 841 000	AM	(AB)
E07	16328	19-6	1900	Mon	384 384 384 000	USB	(AB/MPJ)
E07	14828	19-6	1920	Mon	384 384 384 000	USB	(AB)
E07	18637	20-6	1100	Tue	648 648 648 000	USB	(AB/MPJ/ES)
E07	17437	20-6	1120	Tue	648 648 648 000	USB	(AB/MPJ/ES)
E07	14842	21-6	1700	Wed	841 841 841 000	AM	(AB/MPJ)
E07	13442	21-6	1720	Wed	841 841 841 000	AM	(AB)
E07	16328	21-6	1900	Wed	384 384 384 000	USB	(AB/MPJ)
E07	14828	21-6	1920	Wed	384 384 384 000	USB	(AB)
E07	12213	22-6	2010	Thu	273 1 131 75 75911 12791 78199 ... 90550 58093 73939 000 000	AM	(AB)
E07	10714	22-6	2030	Thu	273 1 131 75 75911 12791 78199 ... 90550 58093 73939 000 000	AM	(AB)
E07	9347	22-6	2050	Thu	273 1 131 75 75911 12791 78199 ... 90550 58093 73939 000 000	AM	(AB)
E07	18637	23-6	1100	Fri	648 648 648 000	USB	(AB/MPJ)
E07	17437	23-6	1120	Fri	648 648 648 000	USB	(AB/MPJ)
E07	9064	24-6	0600	Sat	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	10264	24-6	0620	Sat	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	11464	24-6	0640	Sat	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB)
E07	9064	25-6	0600	Sun	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB/ES)
E07	10264	25-6	0620	Sun	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB/ES)
E07	11464	25-6	0640	Sun	024 1 327 74 53499 69083 99014 ... 64904 97340 57842 000 000	USB	(AB/ES)
E07	14842	25-6	1700	Sun	841 841 841 000	AM	(AB/MPJ)
E07	13442	25-6	1720	Sun	841 841 841 000	AM	(AB/MPJ)
E07	16328	26-6	1900	Mon	384 1 696 91 90711 07600 80771 ... 47957 95125 76874 000 000	USB	(AB/MPJ)
E07	14828	26-6	1920	Mon	384 1 696 91 90711 07600 80771 ... 47957 95125 76874 000 000	USB	(AB/MPJ)
E07	13428	26-6	1940	Mon	384 1 696 91 90711 07600 80771 ... 47957 95125 76874 000 000	USB	(AB/MPJ)
E07	18637	27-6	1100	Tue	648 1 7647 121 07734 32333 39817 ... 74996 96000 47643 000 000	USB	(AB/MPJ)
E07	17437	27-6	1120	Tue	648 1 7647 121 07734 32333 39817 ... 74996 96000 47643 000 000	USB	(AB/MPJ)
E07	15837	27-6	1140	Tue	648 1 7647 121 07734 32333 39817 ... 74996 96000 47643 000 000	USB	(AB/MPJ)
E07	14842	28-6	1700	Wed	841 841 841 000	AM	(AB-RUS)
E07	13442	28-6	1720	Wed	841 841 841 000	AM	(AB/MPJ)
E07	16328	28-6	1900	Wed	384 1 696 91 90711 07600 80771 ... 47957 95125 76874 000 000	USB	(AB)
E07	14828	28-6	1920	Wed	384 1 696 91 90711 07600 80771 ... 47957 95125 76874 000 000	USB	(AB/MPJ)
E07	13428	28-6	1940	Wed	384 1 696 91 90711 07600 80771 ... 47957 95125 76874 000 000	USB	(AB/MPJ)
E07	12213	29-6	2010	Thu	273 273 273 000	AM	(AB)
E07	10714	29-6	2030	Thu	273 273 273 000	AM	(AB)
E07	18637	30-6	1100	Fri	648 1 7647 121 07734 32333 39817 ... 74996 96000 47643 000 000	USB	(AB/MPJ/ES)
E07	17437	30-6	1120	Fri	648 1 7647 121 07734 32333 39817 ... 74996 96000 47643 000 000	USB	(AB/MPJ/ES)
E07	15837	30-6	1140	Fri	648 1 7647 121 07734 32333 39817 ... 74996 96000 47643 000 000	USB	(AB/MPJ/ES)
E07a	7933	1-6	0430	Thu	912 1 66168 3135 53 92995 66951 ... 16165 34840 000 000	USB	(ES)
E07a	9133	1-6	0450	Thu	912 1 66168 3135 53 92995 66951 ... 16165 34840 000 000	USB	(ES)
E07a	10233	1-6	0510	Thu	912 1 66168 3135 53 92995 66951 ... 16165 34840 000 000	USB	(ES)
E07a	12182	2-6	1510	Fri	101 101 101 000	USB	(HFD)
E07a	11082	2-6	1531	Fri	101 101 101 000	USB	(HFD)
E07a	13373	3-6	0800	Sat	338 338 338 000	USB	(ES/HFD)
E07a	14373	3-6	0820	Sat	338 338 338 000	USB	(HFD)
E07a	12166	7-6	2000	Wed	172 172 172 000	USB	(AB/MPJ/RL)
E07a	10766	7-6	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7933	8-6	0430	Thu	912 912 912 000	USB	(AB/ES)

<b>E07a</b>	9133	8-6	0450	Thu	912 912 912 000	USB	(AB/ES)
<b>E07a</b>	12182	9-6	1510	Fri	101 101 101 000	USB	(AB/GHn/MPJ )
<b>E07a</b>	11082	9-6	1530	Fri	101 101 101 000	USB	(AB/MPJ)
<b>E07a</b>	13373	10-6	0800	Sat	338 338 338 000	USB	(AB)
<b>E07a</b>	14373	10-6	0820	Sat	338 338 338 000	USB	(AB)
<b>E07a</b>	12166	14-6	2000	Wed	172 172 172 000	USB	(AB/MPJ/RL)
<b>E07a</b>	10766	14-6	2020	Wed	172 172 172 000	USB	(AB/MPJ/RL)
<b>E07a</b>	7933	15-6	0430	Thu	912 912 912 000	USB	(AB/ES)
<b>E07a</b>	9133	15-6	0450	Thu	912 912 912 000	USB	(AB/ES)
<b>E07a</b>	12182	16-6	1510	Fri	101 101 101 000	USB	(AB/MPJ)
<b>E07a</b>	11082	16-6	1530	Fri	101 101 101 000	USB	(AB/GHn/MPJ )
<b>E07a</b>	13373	17-6	0800	Sat	338 338 338 000	USB	(AB)
<b>E07a</b>	14373	17-6	0820	Sat	338 338 338 000	USB	(AB)
<b>E07a</b>	12166	21-6	2000	Wed	172 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB)
<b>E07a</b>	10766	21-6	2020	Wed	172 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB/RL)
<b>E07a</b>	9266	21-6	2040	Wed	172 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB)
<b>E07a</b>	7933	22-6	0430	Thu	912 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB/ES)
<b>E07a</b>	9133	22-6	0450	Thu	912 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB/ES)
<b>E07a</b>	10233	22-6	0510	Thu	912 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB/ES)
<b>E07a</b>	12182	23-6	1510	Fri	101 101 101 000	USB	(AB/MPJ)
<b>E07a</b>	11082	23-6	1530	Fri	101 101 101 000	USB	(AB/MPJ)
<b>E07a</b>	13373	24-6	0800	Sat	338 338 338 000	USB	(AB)
<b>E07a</b>	14373	24-6	0820	Sat	338 338 338 000	USB	(AB)
<b>E07a</b>	12166	28-6	2000	Wed	172 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB/MPJ)
<b>E07a</b>	10766	28-6	2020	Wed	172 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB)
<b>E07a</b>	9266	28-6	2040	Wed	172 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB)
<b>E07a</b>	7933	29-6	0430	Thu	912 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB/ES)
<b>E07a</b>	9133	29-6	0450	Thu	912 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB/ES)
<b>E07a</b>	10233	29-6	0510	Thu	912 1 35147 758 51 39978 94229 92939 ... 24167 14723 76902 000 000	USB	(AB/ES)
<b>E07a</b>	12182	30-6	1510	Fri	101 101 101 000	USB	(AB/MPJ)
<b>E07a</b>	11082	30-6	1530	Fri	101 101 101 000	USB	(AB/GHn/MPJ )
<b>E11</b>	7600	1-6	0530	Thu	643/00	USB	(ES)
<b>E11</b>	8088	1-6	1730	Thu	411/00	USB	(Topol)
<b>E11</b>	11581	1-6	1925	Thu	523/00	USB	(GHn)
<b>E11</b>	14865	3-6	1705	Sat	390/00	USB	(RL)
<b>E11</b>	9510	4-6	1910	Sun	618/00	USB	(MPJ)
<b>E11</b>	9130	4-6	2005	Sun	368/00	USB	(MPJ)
<b>E11</b>	13537	5-6	1225	Mon	527/00	USB	(MPJ)
<b>E11</b>	14410	5-6	1745	Mon	242/00	USB	(MPJ)
<b>E11</b>	13424	6-6	0645	Tue	517/00	USB	(AB/ES)
<b>E11</b>	10429	6-6	0710	Tue	637/00	USB	(AB)
<b>E11</b>	12397	6-6	1000	Tue	309/00	USB	(AB/ES)
<b>E11</b>	13873	6-6	1045	Tue	577/00	USB	(AB/MPJ/ES)
<b>E11</b>	6304	6-6	1205	Tue	465/00	USB	(AB/MPJ/ES)
<b>E11</b>	15825	6-6	1345	Tue	917/00	USB	(AB)
<b>E11</b>	4793	6-6	1605	Tue	237/00	USB	(AB/MPJ)
<b>E11</b>	15720	7-6	0745	Wed	348/00	USB	(AB)
<b>E11</b>	13911	7-6	0820	Wed	132/00	USB	(AB/ES)
<b>E11</b>	13427	7-6	0900	Wed	536/00	USB	(AB/ES)
<b>E11</b>	6304	7-6	0930	Wed	277/00	USB	(AB/MPJ/ES)
<b>E11</b>	6304	7-6	1205	Wed	465/00	USB	(AB/MPJ/ES)
<b>E11</b>	14865	7-6	1705	Wed	393/00	USB	(AB/MPJ/RL)



E11	7984	7-6	1730	Wed	405/00	USB	(AB/MPJ)
E11	7600	8-6	0530	Thu	647/00	USB	(AB/ES)
E11	13424	8-6	0645	Thu	515/00	USB	(AB)
E11	6280	8-6	0820	Thu	438/00	USB	(AB/MPJ)
E11	11581	8-6	1300	Thu	587/00	USB	(AB/MPJ)
E11	10356	8-6	1530	Thu	269/00	USB	(AB/GHn)
E11	8088	8-6	1730	Thu	415/00	USB	(AB/MPJ)
E11	10213	9-6	0600	Fri	184/00	USB	(AB)
E11	10429	9-6	0710	Fri	630/00	USB	(AB)
E11	15720	9-6	0945	Fri	343/00	USB	(AB)
E11	12397	9-6	1000	Fri	306/00	USB	(AB/MPJ/ES)
E11	13537	9-6	1225	Fri	524/00	USB	(AB/MPJ/ES)
E11	9510	9-6	1910	Fri	613/00	USB	(AB)
E11	8530	9-6	2000	Fri	577/00	USB	(AB)
E11	11581	10-6	1300	Sat	581/00	USB	(MPJ)
E11	15825	10-6	1345	Sat	919/00	USB	(GHn)
E11	14865	10-6	1705	Sat	399/00	USB	(AB/MPJ/RL)
E11	7984	10-6	1730	Sat	405/00	USB	(AB/MPJ)
E11	9130	10-6	2005	Sat	369/00	USB	(AB)
E11	9079	11-6	0805	Sun	315/00	USB	(AB)
E11	4783	11-6	1605	Sun	236/00	USB	(AB/MPJ)
E11	14410	11-6	1745	Sun	248/00	USB	(AB/MPJ)
E11	9510	11-6	1910	Sun	610/00	USB	(AB/MPJ)
E11	9130	11-6	2005	Sun	363/00	USB	(AB/MPJ)
E11	7469	12-6	0450	Mon	418/00	USB	(AB)
E11	7600	12-6	0530	Mon	643/00	USB	(AB)
E11	10213	12-6	0600	Mon	182/00	USB	(AB)
E11	6280	12-6	0820	Mon	430/00	USB	(AB)
E11	13527	12-6	1225	Mon	520/00	USB	(AB/MPJ)
E11	14410	12-6	1745	Mon	249/00	USB	(AB/MPJ)
E11	10429	13-6	0710	Tue	630/00	USB	(AB)
E11	13911	13-6	0820	Tue	136/00	USB	(AB/ES)
E11	6304	13-6	1205	Tue	462/00	USB	(AB/MPJ/ES)
E11	15825	13-6	1345	Tue	915/00	USB	(AB/MPJ)
E11	4793	13-6	1605	Tue	233/00	USB	(AB/MPJ)
E11	14575	13-6	1645	Tue	335/00	USB	(AB/tiNG)
E11	11581	13-6	1925	Tue	550/00	USB	(MPJ)
E11	15720	14-6	0745	Wed	347/00	USB	(AB)
E11	13911	14-6	0820	Wed	132/00	USB	(AB)
E11	6304	14-6	0930	Wed	279/00	USB	(AB)
E11	6304	14-6	1205	Wed	466/00	USB	(AB)
E11	15795	14-6	1625	Wed	975/00	USB	(AB/MPJ)
E11	7600	15-6	0530	Thu	644/00	USB	(AB/ES)
E11	6280	15-6	0820	Thu	435/00	USB	(AB/MPJ)
E11	6304	15-6	0930	Thu	279/00	USB	(AB/ES)
E11	11581	15-6	1300	Thu	586/00	USB	(AB)
E11	14575	15-6	1645	Thu	333/00	USB	(AB/MPJ)
E11	8088	15-6	1730	Thu	412/00	USB	(AB/MPJ)
E11	11581	15-6	1925	Thu	551/00	USB	(AB/MPJ)
E11	10213	16-6	0600	Fri	182/00	USB	(AB)
E11	10429	16-6	0710	Fri	637/00	USB	(AB)
E11	15720	16-6	0745	Fri	348/00	USB	(AB)
E11	13537	16-6	1225	Fri	522/00	USB	(AB/MPJ/ES)
E11	9510	16-6	1910	Fri	616/00	USB	(AB/MPJ)
E11	11581	17-6	1300	Sat	589/00	USB	(AB/MPJ)
E11	15825	17-6	1345	Sat	910/00	USB	(AB/MPJ)
E11	4783	18-6	1605	Sun	230/00	USB	(AB)
E11	15795	18-6	1625	Sun	970/00	USB	(AB/MPJ)
E11	14940	18-6	1650	Sun	927/00	USB	(AB/MPJ)
E11	14410	18-6	1745	Sun	244/00	USB	(AB/MPJ)
E11	9510	18-6	1910	Sun	618/00	USB	(AB/MPJ)
E11	7600	19-6	0530	Mon	648/00	USB	(AB)
E11	10213	19-6	0600	Mon	188/00	USB	(AB)
E11	9610	19-6	0745	Mon	260/00	USB	(AB)
E11	13427	19-6	0900	Mon	534/00	USB	(AB)
E11	13527	19-6	1225	Mon	521/00	USB	(AB/MPJ)
E11	10429	20-6	0710	Tue	633/00	USB	(AB)

E11	12397	20-6	1000	Tue	308/00	USB	(AB/ES)
E11	13873	20-6	1045	Tue	573/00	USB	(AB/ES)
E11	14575	20-6	1645	Tue	333/00	USB	(AB)
E11	11581	20-6	1925	Tue	557/00	USB	(AB/GHn/MPJ )
E11	8565	21-6	0315	Wed	256/00	USB	(AB/ES)
E11	8565	21-6	0315	Wed	256/00	USB	(HFD)
E11	15720	21-6	0745	Wed	342/00	USB	(AB)
E11	13427	21-6	0900	Wed	530/00	USB	(AB/ES)
E11	6304	21-6	0930	Wed	271/00	USB	(AB/ES)
E11	15795	21-6	1625	Wed	976/00	USB	(AB/MPJ)
E11	14865	21-6	1705	Wed	396/00	USB	(AB/MPJ)
E11	7984	21-6	1730	Wed	406/00	USB	(AB/MPJ)
E11	7600	22-6	0530	Thu	646/00	USB	(AB/ES)
E11	13424	22-6	0645	Thu	510/00	USB	(AB)
E11	6304	22-6	0930	Thu	270/00	USB	(AB)
E11	11581	22-6	1300	Thu	585/00	USB	(AB/ES)
E11	10356	22-6	1530	Thu	260/00	USB	(AB/MPJ/ES)
E11	14575	22-6	1645	Thu	333/00	USB	(AB/MPJ)
E11	11581	22-6	1925	Thu	551/00	USB	(AB/MPJ)
E11	10213	23-6	0600	Fri	184/00	USB	(AB/ES)
E11	10429	23-6	0710	Fri	633/00	USB	(AB)
E11	15720	23-6	0745	Fri	340/00	USB	(AB)
E11	12397	23-6	1000	Fri	306/00	USB	(AB)
E11	13537	23-6	1225	Fri	520/00	USB	(AB/MPJ)
E11	14940	23-6	1650	Fri	922/00	USB	(AB/MPJ)
E11	8530	23-6	2000	Fri	575/00	USB	(AB/MPJ)
E11	9079	24-6	0705	Sat	321/00	USB	(AB)
E11	6480	24-6	0710	Sat	497/00	USB	(AB)
E11	11581	24-6	1300	Sat	587/00	USB	(MPJ)
E11	14865	24-6	1705	Sat	396/00	USB	(AB/MPJ)
E11	7984	24-6	1730	Sat	404/00	USB	(AB)
E11	9130	24-6	2005	Sat	369/00	USB	(AB)
E11	6480	25-6	0710	Sun	491/00	USB	(AB)
E11	9079	25-6	0805	Sun	316/00	USB	(AB)
E11	15795	25-6	1625	Sun	976/00	USB	(MPJ)
E11	14940	25-6	1650	Sun	922/00	USB	(AB/MPJ)
E11	9130	25-6	2005	Sun	365/00	USB	(AB)
E11	7469	26-6	0450	Mon	411/00	USB	(HFD)
E11	7469	26-6	0450	Mon	411/00	USB	(AB)
E11	15800	26-6	0640	Mon	490/00	USB	(AB)
E11	9610	26-6	0745	Mon	260/00	USB	(AB)
E11	6280	26-6	0820	Mon	431/00	USB	(AB)
E11	13427	26-6	0900	Mon	533/00	USB	(AB)
E11	14410	26-6	1745	Mon	249/00	USB	(AB/MPJ)
E11	13424	27-6	0645	Tue	515/00	USB	(AB)
E11	13911	27-6	0820	Tue	131/00	USB	(AB)
E11	12397	27-6	1000	Tue	309/00	USB	(AB/ES)
E11	13873	27-6	1045	Tue	575/00	USB	(AB/MPJ)
E11	6304	27-6	1205	Tue	461/00	USB	(AB/MPJ)
E11	15825	27-6	1345	Tue	917/00	USB	(AB/MPJ)
E11	4783	27-6	1605	Tue	237/00	USB	(AB/MPJ)
E11	14575	27-6	1645	Tue	335/00	USB	(AB)
E11	11581	27-6	1925	Tue	553/00	USB	(AB)
E11	15800	28-6	0640	Wed	948/00	USB	(AB/ES)
E11	13911	28-6	0820	Wed	133/00	USB	(AB)
E11	13427	28-6	0900	Wed	534/00	USB	(AB/ES)
E11	6304	28-6	1205	Wed	463/00	USB	(AB/MPJ)
E11	15795	28-6	1625	Wed	972/00	USB	(MPJ)
E11	13424	29-6	0645	Thu	517/00	USB	(AB)
E11	6280	29-6	0820	Thu	439/00	USB	(AB/MPJ/ES)
E11	11581	29-6	1300	Thu	589/00	USB	(AB/MPJ/ES)
E11	10356	29-6	1530	Thu	260/00	USB	(AB/MPJ)
E11	14575	29-6	1645	Thu	334/00	USB	(AB)
E11	8088	29-6	1730	Thu	414/00	USB	(AB/MPJ)
E11	11581	29-6	1925	Thu	556/00	USB	(AB/MPJ)
E11	10213	30-6	0600	Fri	188/00	USB	(AB)

<b>E11</b>	12397	30-6	1000	Fri	304/00	USB	(AB/MPJ)
<b>E11</b>	14940	30-6	1650	Fri	920/00	USB	(AB/MPJ)
<b>E11</b>	9510	30-6	1910	Fri	611/00	USB	(AB/MPJ)
<b>E11</b>	8530	30-6	2000	Fri	576/00	USB	(AB/MPJ)
<b>E11a</b>	14575	6-6	1645	Tue	331/33 Attention 26824 96066 05562 ... 88578 53142 98998 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	15795	7-6	1625	Wed	972/38 Attention 73653 57618 20653 ... 41926 90922 37463 Attention, rpt msg, out	USB	(AB/MPJ)
<b>E11a</b>	14575	8-6	1645	Thu	331/33 Attention 26824 96066 05562 ... 88578 53142 98998 Attention, rpt msg, out	USB	(AB/MPJ)
<b>E11a</b>	11581	8-6	1925	Thu	558/38 Attention 50106 34296 33532 ... 66313 57080 23890 Attention, rpt msg,out	USB	(AB/MPJ)
<b>E11a</b>	14940	9-6	1650	Fri	927/31 Attention 56896 72541 76885 ... 54576 00217 95071 Attention, rpt msg, out	USB	(AB/MPJ)
<b>E11a</b>	15795	11-6	1625	Sun	972/38 Attention 73653 57618 20653 ... 41926 90922 37463 Attention, rpt msg, out	USB	(AB/MPJ)
<b>E11a</b>	14940	11-6	1650	Sun	927/31 Attention 56896 72541 76885 ... 54576 00217 95071 Attention, rpt msg, out	USB	(AB/MPJ/RL)
<b>E11a</b>	9610	12-6	0745	Mon	261/34 Attention 62503 93110 66599 ... 59707 50852 22038 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	13427	12-6	0900	Mon	535/33 Attention 90847 90625 93560 ... 57790 30882 90037 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	13424	13-6	0645	Tue	515/39 Attention 04406 39585 22495 ... 81642 12181 67841 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	12397	13-6	1000	Tue	306/21 Attention 38051 97771 92401 ... 44539 90210 71963 Attention, rpt msg, out	USB	(AB/MPJ/Es)
<b>E11a</b>	13873	13-6	1045	Tue	574/37 Attention 71656 61924 75923 ... 06186 10969 02451 Attention, rpt msg, out	USB	(AB/MPJ/ES)
<b>E11a</b>	13427	14-6	0900	Wed	535/33 Attention 90847 90625 93560 ... 57790 30882 90037 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	14865	14-6	1705	Wed	395/39 Attention 69767 13698 08843 ... 55352 11751 01897 out	USB	(MPJ)
<b>E11a</b>	7984	14-6	1730	Wed	404/39 Attention 35926 40668 32517 ... 02260 07295 37968 Attention, rpt msg, out	USB	(AB/MPJ)
<b>E11a</b>	13424	15-6	0645	Thu	513/43 Attention 78419 03307 14295 ... 18564 16903 28739 Attention, rpt msg, out	USB	(AB/ES)
<b>E11a</b>	10356	15-6	1530	Thu	261/34 Attention 62503 93110 66599 ... 59707 50852 22038 Attention, rpt msg, out	USB	(AB/MPJ)
<b>E11a</b>	12397	16-6	1000	Fri	306/21 Attention 38051 97771 92401 ... 44539 90210 71963 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	14865	17-6	1705	Sat	395/39 Attention 69767 13698 08843 ... 55352 11751 01897 Attention, rpt msg, out	USB	(MPJ)
<b>E11a</b>	7984	17-6	1730	Sat	404/39 Attention 35926 40668 32517 ... 02260 07295 37968 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	9079	18-6	0805	Sun	316/34 Attention 90611 94694 24282 ... 29359 99313 69065 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	9130	18-6	2005	Sun	363/35 Attention 81116 63666 16410 ... 61403 05174 18223 Attention, rpt msg, out	USB	(AB/MPJ)
<b>E11a</b>	7469	19-6	0450	Mon	413/38 Attention 36483 49489 06100 ... 96035 62365 70863 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	6280	19-6	0820	Mon	432/33 Attention 41876 63334 78884 ... 80695 62663 20729 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	14410	19-6	1745	Mon	246/31 Attention 27705 22777 92154 ... 53707 37402 67943 Attention, rpt msg, out	USB	(AB/MPJ)
<b>E11a</b>	13424	20-6	0645	Tue	513/43 Attention 78419 03307 14295 ... 18564 16903 28739 Attention, rpt msg, out	USB	(AB/ES)
<b>E11a</b>	13911	20-6	0820	Tue	130/33 Attention 01740 22986 93509 ... 09948 16930 50250 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	6304	20-6	1205	Tue	469/31 Attention 34327 40226 45035 ... 46746 78763 91075 Attention, rpt msg, out	USB	(AB/ES)
<b>E11a</b>	15825	20-6	1345	Tue	message i.p.	USB	(AB)
<b>E11a</b>	4783	20-6	1605	Tue	235/37 Attention 79840 00499 46442 ... 97159 51442 43668 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	13911	21-6	0820	Wed	130/33 Attention 01740 22986 93509 ... 09948 16930 50250 Attention, rpt msg, out	USB	(AB/ES)
<b>E11a</b>	6304	21-6	1205	Wed	469/31 Attention 34327 40226 45035 ... 46746 78763 91075 Attention, rpt msg, out	USB	(AB/ES)
<b>E11a</b>	6280	22-6	0820	Thu	432/33 Attention 41876 63334 78884 ... 80695 62663 20729	USB	(AB/MPJ/ES)



<b>E11a</b>	8088	22-6	1730	Thu	Attention, rpt msg, out 413/38 Attention 36483 49489 06100 ... 96035 62365 70863	USB	(AB/MPJ)
<b>E11a</b>	9510	23-6	1910	Fri	Attention, rpt msg, out 610/40 Attention 43839 11939 99598 96121 01566 63585 37425	USB	(AB)
<b>E11a</b>	15825	24-6	1345	Sat	...		
<b>E11a</b>	4783	25-6	1605	Sun	910/38 Attention 85899 48456 36198 ... 9094? 75963 36532 out	USB	(MPJ)
<b>E11a</b>	14410	25-6	1745	Sun	235/37 Attention 79840 00499 46442 ... 97159 51442 43668	USB	(AB/MPJ)
<b>E11a</b>	9510	25-6	1910	Sun	Attention, rpt msg, out 246/31 Attention 27705 22777 92154 ... 53707 37402 67943	USB	(AB/MPJ)
<b>E11a</b>	7600	26-6	0530	Mon	Attention, rpt msg, out 610/40 Attention 43839 11939 99598 ... 27298 41722 13544 out	USB	(MPJ)
<b>E11a</b>	10213	26-6	0600	Mon	644/35 Attention 17410 97377 72602 ... 21939 77779 34046	USB	(AB)
<b>E11a</b>	13527	26-6	1225	Mon	Attention, rpt msg, out 188/31 Attention 83959 40220 10219 ... 34023 13838 99728	USB	(AB)
<b>E11a</b>	10429	27-6	0710	Tue	Attention, rpt msg, out 525/37 Attention 19146 59269 41396 ... 53044 62698 03045	USB	(AB/MPJ)
<b>E11a</b>	8565	28-6	0315	Wed	Attention, rpt msg, out 634/38 Attention 73033 80584 76441 ... 18123 28637 80095	USB	(AB)
<b>E11a</b>	15720	28-6	0745	Wed	Attention, rpt msg, out 250/36 Attention 99849 00973 28623 ... 72673 46502 93602	USB	(AB/ES)
<b>E11a</b>	6304	28-6	0930	Wed	Attention, rpt msg, out 343/31 Attention 56157 78988 50099 ... 95871 62938 02839	USB	(AB)
<b>E11a</b>	8565	29-6	0315	Thu	Attention, rpt msg, out 275/40 Attention 47976 41771 87436 ... 58977 79095 63716	USB	(AB/ES)
<b>E11a</b>	7600	29-6	0530	Thu	Attention, rpt msg, out 250/36 Attention 99849 00973 28623 ... 72673 46502 93602	USB	(AB)
<b>E11a</b>	6304	29-6	0930	Thu	Attention, rpt msg, out 644/35 Attention 17410 97377 72602 ... 21939 77779 34046	USB	(AB/ES)
<b>E11a</b>	10429	30-6	0710	Fri	Attention, rpt msg, out 275/40 Attention 47976 41771 87436 ... 58977 79095 63716	USB	(AB/ES)
<b>E11a</b>	15720	30-6	0745	Fri	Attention, rpt msg, out 634/38 Attention 73033 80584 76441 ... 18123 28637 80095	USB	(AB/ES)
<b>E11a</b>	13527	30-6	1225	Fri	Attention, rpt msg, out 343/31 Attention 56157 78988 50099 ... 95871 62938 02839	USB	(AB)
<b>E17z</b>	16780	1-6	0800	Thu	Attention, rpt msg, out 525/37 Attention 19146 59269 41396 ... 53044 62698 03045	USB	(AB/MPJ)
<b>E17z</b>	12850	1-6	0810	Thu	674 231 5 83390 64021 75751 83876 43932 231 5 00000	USB	(AB)
<b>E17z</b>	16780	8-6	0800	Thu	674 231 5 83390 64021 75751 83876 43932 231 5 00000	USB	(AB/ES)
<b>E17z</b>	12850	8-6	0810	Thu	674 231 5 83390 64021 75751 83876 43932 231 5 00000	USB	(AB/MPJ/ES)
<b>E17z</b>	16780	15-6	0800	Thu	674 298 5 42149 46198 36148 34433 36420 298 5 00000	USB	(AB/ES)
<b>E17z</b>	12850	15-6	0810	Thu	674 298 5 42149 46198 36148 34433 36420 298 5 00000	USB	(AB/ES)
<b>E17z</b>	16780	22-6	0800	Thu	674 298 5 42149 46198 36148 34433 36420 298 5 00000	USB	(AB/ES)
<b>E17z</b>	12850	22-6	0810	Thu	674 298 5 42149 46198 36148 34433 36420 298 5 00000	USB	(AB/ES)
<b>E17z</b>	16780	29-6	0800	Thu	674 674 674 00000	USB	(AB/ES)
<b>E17z</b>	12850	29-6	0810	Thu	674 674 674 00000	USB	(AB/ES)
<b>E25</b>	6140	13-6	0758	Tue	360 Message 6080 8570 4003 6828 7368 3086 8570 9608 Rebeat 6080 8570 4003 6828 7368 3086 8570 9608 End of message. End of transmission	AM	(dmhz/ES- ISR/PW2)
<b>E25</b>	6140	13-6	0803	Tue	360 Message 6080 8570 4003 6828 7368 3086 8570 9608 Rebeat 6080 8570 4003 6828 7368 3086 8570 9608 End of message. End of transmission	AM	(dmhz/ES-ISR)
<b>E25</b>	6140	21-6	0744	Wed	250 Message 7243 8011 1280 3586 9112 1368 5207 2477 5125 9644 1280 Rebeat 7243 8011 1280 3586 9112 1368 5207 2477 5125 9644 1280 EOM EOT	AM	(dmhz/ES/PW 2)
<b>E25</b>	6140	22-6	0743	Thu	250 message 7243 8011 1280 3586 9112 1368 5207 2477 5125 9644 1280 rebate 7243 8011 1280 3586 9112 1368 5207 2477 5125 9644 1280 EOM EOT	AM	(dmhz/ES)
<b>EGY</b>	16223.7	7-6	2009	Wed	MFA Cairo clg RCVB: Egyptian Embassy Washington	SITOR-A 100/170	(RL)
<b>EGY</b>	16023.7	9-6	0822	Fri	MFA Cairo clg OOV: Egyptian embassy Islamabad followed by a message	SITOR-A 100/170	(AB)
<b>EGY</b>	16067.7	9-6	1232	Fri	OOVP: Egyptian embassy Islamabad sending a very long message to unid (garbled)	SITOR-A 100/170	(AB)
<b>EGY</b>	14619.7	10-6	1015	Sat	MFA Cairo clg XBVF: Egyptian embassy Madrid followed by a message	SITOR-A 100/170	(AB)

[illegible]

[illegible]

<b>F06</b>	12191	11-6	0920	Sun	Russian diplo/intel. Header: 11166 70004 23179 09095 00929	FSK 200/1000	(AB/Danix)
<b>F06</b>	14689	11-6	1100	Sun	Russian diplo/intel. Header: 11166 50046 91725 09099 01189	FSK 200/1000	(AB/Danix/MP J)
<b>F06</b>	12143	11-6	1110	Sun	Russian diplo/intel. Header: 11166 50046 91725 09099 01189	FSK 200/1000	(AB/Danix)
<b>F06</b>	10186	11-6	1120	Sun	Russian diplo/intel. Header: 11166 50046 91725 09099 01189	FSK 200/1000	(AB/Danix)
<b>F06</b>	19838	11-6	1530	Sun	Russian diplo/intel. 11166 10053 13579 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
<b>F06</b>	16238	11-6	1540	Sun	Russian diplo/intel. 11166 10053 13579 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J/RL)
<b>F06</b>	13546	11-6	1550	Sun	Russian diplo/intel. 11166 10053 13579 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
<b>F06</b>	18323	11-6	2100	Sun	Russian diplo/intel. Header: 11166 40133 51309 09031 02869	FSK 200/1000	(AB/Danix)
<b>F06</b>	15886	11-6	2110	Sun	Russian diplo/intel. Header: 11166 40133 51309 09031 02869	FSK 200/1000	(AB/Danix)
<b>F06</b>	13581	11-6	2120	Sun	Russian diplo/intel. Header: 11166 40133 51309 09031 02869	FSK 200/1000	(AB/Danix)
<b>F06</b>	16266	13-6	1500	Tue	Russian diplo/intel. 11166 00052 12345 13056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	14453	13-6	1510	Tue	Russian diplo/intel. 11166 00052 12345 13056 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	12075	13-6	1520	Tue	Russian diplo/intel. 11166 00052 12345 13056 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	16354	13-6	1700	Tue	Russian diplo/intel. 11166 10053 56248 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	19936	13-6	1700	Tue	Russian diplo/intel. 11166 10053 56248 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
<b>F06</b>	13955	13-6	1710	Tue	Russian diplo/intel. 11166 10053 56248 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	17512	14-6	0600	Wed	Russian diplo/intel. Header: 11166 40122 85236 10024 03029 and 11166 40122 96741 10025 02999	FSK 200/1000	(AB-NZL)
<b>F06</b>	15930	14-6	0610	Wed	Russian diplo/intel. Header: 11166 40122 85236 10024 03029 and 11166 40122 96741 10025 02999	FSK 200/1000	(AB-J)
<b>F06</b>	13503	14-6	0620	Wed	Russian diplo/intel. Header: 11166 40122 85236 10024 03029 and 11166 40122 96741 10025 02999	FSK 200/1000	(AB-J)
<b>F06</b>	14368	14-6	0800	Wed	Russian diplo/intel. 11166 70048 21567 14038 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	16330	14-6	0800	Wed	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(Danix)
<b>F06</b>	12204	14-6	0810	Wed	Russian diplo/intel. 11166 70048 21567 14038 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	14367	14-6	0810	Wed	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(Danix)
<b>F06</b>	10309	14-6	0820	Wed	Russian diplo/intel. 11166 70048 21567 14038 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	12141	14-6	0820	Wed	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(Danix)
<b>F06</b>	15629	14-6	0915	Wed	Russian diplo/intel. 11166 10031 17935 14026 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	13376	14-6	0925	Wed	Russian diplo/intel. 11166 10031 17935 14026 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	11554	14-6	0935	Wed	Russian diplo/intel. 11166 10031 17935 14026 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	17512	15-6	0600	Thu	Russian diplo/intel. Header: 11166 40122 85236 10024 03029 and 11166 40122 96741 10025 02999	FSK 200/1000	(AB-J)
<b>F06</b>	15930	15-6	0610	Thu	Russian diplo/intel. Header: 11166 40122 85236 10024 03029 and 11166 40122 96741 10025 02999	FSK 200/1000	(AB-J)
<b>F06</b>	13503	15-6	0620	Thu	Russian diplo/intel. Header: 11166 40122 85236 10024 03029 and 11166 40122 96741 10025 02999	FSK 200/1000	(AB-J)
<b>F06</b>	16330	15-6	0800	Thu	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(AB/Danix)
<b>F06</b>	14367	15-6	0810	Thu	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(AB/Danix)
<b>F06</b>	12141	15-6	0820	Thu	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(AB/Danix)
<b>F06</b>	14565	15-6	1330	Thu	Russian diplo/intel. 11166 80214 26549 15057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
<b>F06</b>	12169	15-6	1340	Thu	Russian diplo/intel. 11166 80214 26549 15057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
<b>F06</b>	9981	15-6	1350	Thu	Russian diplo/intel. 11166 80214 26549 15057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	14689	17-6	1100	Sat	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix/MP J)
<b>F06</b>	12143	17-6	1110	Sat	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix/MP J)
<b>F06</b>	10186	17-6	1120	Sat	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix/MP J)

								J)
F06	18323	17-6	2100	Sat	Russian diplo/intel. 11166 40133 36987 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	15886	17-6	2110	Sat	Russian diplo/intel. 11166 40133 36987 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	13581	17-6	2120	Sat	Russian diplo/intel. 11166 40133 36987 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	14689	18-6	1100	Sun	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix)	
F06	12143	18-6	1110	Sun	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix)	
F06	10186	18-6	1120	Sun	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix)	
F06	19838	18-6	1530	Sun	Russian diplo/intel. 11166 10053 23168 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	16238	18-6	1540	Sun	Russian diplo/intel. 11166 10053 23168 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	13546	18-6	1550	Sun	Russian diplo/intel. 11166 10053 23168 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	12094	19-6	0400	Mon	Russian diplo/intel. 11166 70059 10569 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	10926	19-6	0410	Mon	Russian diplo/intel. 11166 70059 10569 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	9049	19-6	0420	Mon	Russian diplo/intel. 11166 70059 10569 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	16266	20-6	1500	Tue	Russian diplo/intel. 11166 00052 82169 20075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)	
F06	14453	20-6	1510	Tue	Russian diplo/intel. 11166 00052 82169 20075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)	
F06	12075	20-6	1520	Tue	Russian diplo/intel. 11166 00052 82169 20075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)	
F06	19936	20-6	1650	Tue	Russian diplo/intel. 11166 10053 35791 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)	
F06	16354	20-6	1700	Tue	Russian diplo/intel. 11166 10053 35791 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)	
F06	13955	20-6	1710	Tue	Russian diplo/intel. 11166 10053 35791 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)	
F06	17512	21-6	0600	Wed	Russian diplo/intel. Header: 11166 40122 57391 21039 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)	
F06	15930	21-6	0610	Wed	Russian diplo/intel. Header: 11166 40122 57391 21039 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)	
F06	13503	21-6	0620	Wed	Russian diplo/intel. Header: 11166 40122 57391 21039 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)	
F06	14368	21-6	0753	Wed	Russian diplo/intel. Test: 464646464646	FSK 200/1000	(AB/Danix)	
F06	14368	21-6	0800	Wed	Russian diplo/intel. 11166 70048 24679 21086 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	12204	21-6	0810	Wed	Russian diplo/intel. 11166 70048 24679 21086 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	10309	21-6	0820	Wed	Russian diplo/intel. 11166 70048 24679 21086 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)	
F06	16286	21-6	1220	Wed	Russian diplo/intel. Test: 464646464646	FSK 200/1000	(AB)	
F06	12179	21-6	1230	Wed	Russian diplo/intel. 11166 90073 15963 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)	
F06	16286	21-6	1230	Wed	Russian diplo/intel. 11166 90073 15963 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)	
F06	14517	21-6	1240	Wed	Russian diplo/intel. 11166 90073 15963 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)	
F06	14565	22-6	1330	Thu	Russian diplo/intel. 11166 80214 26549 22089 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)	
F06	12169	22-6	1340	Thu	Russian diplo/intel. 11166 80214 26549 22089 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)	
F06	9981	22-6	1350	Thu	Russian diplo/intel. 11166 80214 26549 22089 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)	
F06	10687	22-6	2000	Thu	Russian diplo/intel. Header: 11100 00000 98463 20076 03639	FSK 200/1000	(Danix)	
F06	7992	22-6	2010	Thu	Russian diplo/intel. Header: 11100 00000 98463 20076 03639	FSK 200/1000	(Danix)	
F06	5913	22-6	2020	Thu	Russian diplo/intel. Header: 11100 00000 98463 20076 03639	FSK 200/1000	(Danix)	
F06	14948	24-6	0800	Sat	Russian diplo/intel. Header: 11166 70147 69815 23059 01089	FSK 200/1000	(AB/Danix)	
F06	12096	24-6	0810	Sat	Russian diplo/intel. Header: 11166 70147 69815 23059 01089	FSK 200/1000	(AB/Danix)	
F06	10374	24-6	0820	Sat	Russian diplo/intel. Header: 11166 70147 69815 23059 01089	FSK 200/1000	(AB/Danix)	
F06	16314	24-6	0900	Sat	Russian diplo/intel. Header: 11166 70004 23179 09095 00929	FSK 200/1000	(AB/Danix)	



F06	14569	24-6	0910	Sat	Russian diplo/intel. Header: 11166 70004 23179 09095 00929	FSK 200/1000	(AB/Danix)
F06	12191	24-6	0920	Sat	Russian diplo/intel. Header: 11166 70004 23179 09095 00929	FSK 200/1000	(AB/Danix)
F06	14689	24-6	1100	Sat	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix)
F06	12143	24-6	1110	Sat	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix)
F06	10186	24-6	1120	Sat	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix)
F06	18323	24-6	2100	Sat	Russian diplo/intel. 11166 40133 95203 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	15886	24-6	2110	Sat	Russian diplo/intel. 11166 40133 95203 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13581	24-6	2120	Sat	Russian diplo/intel. 11166 40133 95203 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14948	25-6	0800	Sun	Russian diplo/intel. Header: 11166 70147 69815 23059 01089	FSK 200/1000	(AB/Danix)
F06	12096	25-6	0810	Sun	Russian diplo/intel. Header: 11166 70147 69815 23059 01089	FSK 200/1000	(AB/Danix)
F06	10374	25-6	0820	Sun	Russian diplo/intel. Header: 11166 70147 69815 23059 01089	FSK 200/1000	(AB/Danix)
F06	16314	25-6	0900	Sun	Russian diplo/intel. Header: 11166 70004 23179 09095 00929	FSK 200/1000	(AB/Danix)
F06	14569	25-6	0910	Sun	Russian diplo/intel. Header: 11166 70004 23179 09095 00929	FSK 200/1000	(AB/Danix)
F06	12191	25-6	0920	Sun	Russian diplo/intel. Header: 11166 70004 23179 09095 00929	FSK 200/1000	(AB/Danix)
F06	14689	25-6	1100	Sun	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix)
F06	12143	25-6	1110	Sun	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix)
F06	10186	25-6	1120	Sun	Russian diplo/intel. Header: 11166 50046 97142 16001 00969	FSK 200/1000	(AB/Danix)
F06	19838	25-6	1530	Sun	Russian diplo/intel. 11166 10053 56248 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	16238	25-6	1540	Sun	Russian diplo/intel. 11166 10053 56248 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
F06	13546	25-6	1550	Sun	Russian diplo/intel. 11166 10053 56248 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
F06	16266	27-6	1500	Tue	Russian diplo/intel. 11166 00052 82169 27003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14453	27-6	1510	Tue	Russian diplo/intel. 11166 00052 82169 27003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
F06	12075	27-6	1520	Tue	Russian diplo/intel. 11166 00052 82169 27003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
F06	19936	27-6	1650	Tue	Russian diplo/intel. 11166 10053 13579 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
F06	16354	27-6	1700	Tue	Russian diplo/intel. 11166 10053 13579 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
F06	13955	27-6	1710	Tue	Russian diplo/intel. 11166 10053 13579 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MP J)
F06	17512	28-6	0600	Wed	Russian diplo/intel. Header: 11166 40122 85712 24026 04129	FSK 200/1000	(AB-NZL)
F06	15930	28-6	0610	Wed	Russian diplo/intel. Header: 11166 40122 85712 24026 04129	FSK 200/1000	(AB-NZL)
F06	13503	28-6	0620	Wed	Russian diplo/intel. Header: 11166 40122 85712 24026 04129	FSK 200/1000	(AB-J)
F06	14368	28-6	0800	Wed	Russian diplo/intel. 11166 70048 15863 28014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	16330	28-6	0800	Wed	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(AB/Danix)
F06	12204	28-6	0810	Wed	Russian diplo/intel. 11166 70048 15863 28014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14367	28-6	0810	Wed	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(AB/Danix)
F06	10309	28-6	0820	Wed	Russian diplo/intel. 11166 70048 15863 28014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12141	28-6	0820	Wed	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(AB/Danix)
F06	15629	28-6	0915	Wed	Russian diplo/intel. 11166 10031 14203 28026 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13376	28-6	0925	Wed	Russian diplo/intel. 11166 10031 14203 28026 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	17512	29-6	0600	Thu	Russian diplo/intel. Header: 11166 40122 85712 24026 04129	FSK 200/1000	(AB-J)
F06	15930	29-6	0610	Thu	Russian diplo/intel. Header: 11166 40122 85712 24026 04129	FSK 200/1000	(AB-J)
F06	13503	29-6	0620	Thu	Russian diplo/intel. Header: 11166 40122 85712 24026 04129	FSK 200/1000	(AB-J)
F06	16330	29-6	0800	Thu	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(AB/Danix)
F06	14367	29-6	0810	Thu	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(AB/Danix)
F06	12141	29-6	0820	Thu	Russian diplo/intel. Header: 11166 00052 78341 13015 02309	FSK 200/1000	(AB/Danix)
F06	11554	29-6	0935	Thu	Russian diplo/intel. 11166 10031 14203 28026 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14565	29-6	1330	Thu	Russian diplo/intel. 11166 80214 26749 29061 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12169	29-6	1340	Thu	Russian diplo/intel. 11166 80214 26749 29061 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	9981	29-6	1350	Thu	Russian diplo/intel. 11166 80214 26749 29061 00049 00000	FSK 200/1000	(AB/Danix/MP

					00000 00000 00000		J)
F11	13470	6-6	0630	Tue	0574 00000	FSK 100/620	(AB)
F11	13470	6-6	0635	Tue	0574 00000	FSK 100/620	(AB)
F11	8423	6-6	0900	Tue	0554 88888 88888 70493 31486 74153 ... 69987 40858 45907 88888 88888 00037 00037	FSK 100/620	(AB)
F11	8423	6-6	0905	Tue	0554 88888 88888 70493 31486 74153 ... 69987 40858 45907 88888 88888 00037 00037	FSK 100/620	(AB)
F11	6280	6-6	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	6280	6-6	1155	Tue	0325 00000	FSK 100/620	(AB)
F11	15632	7-6	0730	Wed	0453 00000	FSK 100/620	(AB)
F11	15632	7-6	0735	Wed	0453 00000	FSK 100/620	(AB)
F11	6280	7-6	1150	Wed	0325 00000	FSK 100/620	(AB)
F11	6280	7-6	1155	Wed	0325 00000	FSK 100/620	(AB)
F11	7837	8-6	0515	Thu	0446 00000	FSK 100/620	(AB)
F11	7837	8-6	0520	Thu	0446 00000	FSK 100/620	(AB)
F11	13470	8-6	0630	Thu	0574 00000	FSK 100/620	(AB)
F11	13470	8-6	0635	Thu	0574 00000	FSK 100/620	(AB)
F11	6480	8-6	0800	Thu	0434 00000	FSK 100/620	(AB)
F11	6480	8-6	0805	Thu	0434 00000	FSK 100/620	(AB)
F11	8423	9-6	0900	Fri	0554 88888 88888 70493 31486 74153 ... 69987 40858 45907 88888 88888 00037 00037	FSK 100/620	(AB)
F11	8423	9-6	0905	Fri	0554 88888 88888 70493 31486 74153 ... 69987 40858 45907 88888 88888 00037 00037	FSK 100/620	(AB)
F11	15632	9-6	0930	Fri	0453 00000	FSK 100/620	(AB)
F11	15632	9-6	0935	Fri	0453 00000	FSK 100/620	(AB)
F11	7837	12-6	0515	Mon	0446 00000	FSK 100/620	(AB)
F11	7837	12-6	0520	Mon	0446 00000	FSK 100/620	(AB)
F11	6480	12-6	0800	Mon	0434 00000	FSK 100/620	(AB)
F11	6480	12-6	0805	Mon	0434 00000	FSK 100/620	(AB)
F11	13424	12-6	0845	Mon	0353 88888 88888 90847 90625 93560 ... 57790 30882 90037 88888 88888 00037 00037	FSK 100/620	(AB)
F11	13424	12-6	0850	Mon	0353 88888 88888 90847 90625 93560 ... 57790 30882 90037 88888 88888 00037 00037	FSK 100/620	(AB)
F11	13470	13-6	0630	Tue	0574 88888 88888 04406 39585 22495 ... 81642 12181 67841 88888 88888 00043 00043	FSK 100/620	(AB)
F11	13470	13-6	0635	Tue	0574 88888 88888 04406 39585 22495 ... 81642 12181 67841 88888 88888 00043 00043	FSK 100/620	(AB)
F11	8423	13-6	0900	Tue	0554 00000	FSK 100/620	(AB)
F11	8423	13-6	0905	Tue	0554 00000	FSK 100/620	(AB)
F11	6280	13-6	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	6280	13-6	1155	Tue	0325 00000	FSK 100/620	(AB)
F11	15632	14-6	0730	Wed	0453 00000	FSK 100/620	(AB)
F11	15632	14-6	0735	Wed	0453 00000	FSK 100/620	(AB)
F11	6280	14-6	1150	Wed	0325 00000	FSK 100/620	(AB)
F11	6280	14-6	1155	Wed	0325 00000	FSK 100/620	(AB)
F11	7837	15-6	0515	Thu	0446 00000	FSK 100/620	(AB)
F11	7837	15-6	0520	Thu	0446 00000	FSK 100/620	(AB)
F11	13470	15-6	0630	Thu	0574 78419 03307 14295 ... 18564 16903 28739 00043 00043 Note: no 88888 sequence before and after the message	FSK 100/620	(AB)
F11	13470	15-6	0635	Thu	0574 78419 03307 14295 ... 18564 16903 28739 00043 00043 Note: no 88888 sequence before and after the message	FSK 100/620	(AB)
F11	6480	15-6	0800	Thu	0434 00000	FSK 100/620	(AB)
F11	6480	15-6	0805	Thu	0434 00000	FSK 100/620	(AB)
F11	15632	16-6	0730	Fri	0453 00000	FSK 100/620	(AB)
F11	15632	16-6	0735	Fri	0453 00000	FSK 100/620	(AB)
F11	8423	16-6	0900	Fri	0554 00000	FSK 100/620	(AB)
F11	8423	16-6	0905	Fri	0554 00000	FSK 100/620	(AB)
F11	7837	19-6	0515	Mon	0446 00000	FSK 100/620	(AB)
F11	7837	19-6	0520	Mon	0446 00000	FSK 100/620	(AB)
F11	13424	19-6	0845	Mon	0353 00000	FSK 100/620	(AB)
F11	13424	19-6	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	13470	20-6	0630	Tue	0574 78419 03307 14295 ... 18564 16903 28739 00043 00043 Note: no 88888 sequence before and after the message	FSK 100/620	(AB)
F11	13470	20-6	0635	Tue	0574 78419 03307 14295 ... 18564 16903 28739 00043 00043 Note: no 88888 sequence before and after the message	FSK 100/620	(AB)
F11	8423	20-6	0900	Tue	0554 00000	FSK 100/620	(AB)
F11	8423	20-6	0905	Tue	0554 00000	FSK 100/620	(AB)

F11	6280	20-6	1150	Tue	0325 88888 88888 34327 40226 45035 ... 46746 78763 91075 88888 88888 00035 00035	FSK 100/620	(AB)
F11	6280	20-6	1155	Tue	0325 88888 88888 34327 40226 45035 ... 46746 78763 91075 88888 88888 00035 00035	FSK 100/620	(AB)
F11	15632	21-6	0730	Wed	0453 00000	FSK 100/620	(AB)
F11	15632	21-6	0735	Wed	0453 00000	FSK 100/620	(AB)
F11	13424	21-6	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	13424	21-6	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	6280	21-6	1150	Wed	0325 88888 88888 34327 40226 45035 ... 46746 78763 91075 88888 88888 00035 00035	FSK 100/620	(AB)
F11	6280	21-6	1155	Wed	0325 88888 88888 34327 40226 45035 ... 46746 78763 91075 88888 88888 00035 00035	FSK 100/620	(AB)
F11	7837	22-6	0515	Thu	0446 00000	FSK 100/620	(AB)
F11	7837	22-6	0520	Thu	0446 00000	FSK 100/620	(AB)
F11	13470	22-6	0630	Thu	0574 00000	FSK 100/620	(AB)
F11	13470	22-6	0635	Thu	0574 00000	FSK 100/620	(AB)
F11	6480	22-6	0800	Thu	0434 88888 88888 41876 63334 78884 ... 80695 62663 20729 88888 88888 00037 00037	FSK 100/620	(AB)
F11	6480	22-6	0805	Thu	0434 88888 88888 41876 63334 78884 ... 80695 62663 20729 88888 88888 00037 00037	FSK 100/620	(AB)
F11	15632	23-6	0730	Fri	0453 00000	FSK 100/620	(AB)
F11	15632	23-6	0735	Fri	0453 00000	FSK 100/620	(AB)
F11	8423	23-6	0900	Fri	0554 00000	FSK 100/620	(AB)
F11	8423	23-6	0905	Fri	0554 00000	FSK 100/620	(AB)
F11	7837	26-6	0515	Mon	0446 88888 88888 17410 97377 72602 ... 21939 77779 34046 88888 88888 00039 00039	FSK 100/620	(AB)
F11	7837	26-6	0520	Mon	0446 88888 88888 17410 97377 72602 ... 21939 77779 34046 88888 88888 00039 00039	FSK 100/620	(AB)
F11	6480	26-6	0800	Mon	0434 00000	FSK 100/620	(AB)
F11	6480	26-6	0805	Mon	0434 00000	FSK 100/620	(AB)
F11	13424	26-6	0845	Mon	0353 00000	FSK 100/620	(AB)
F11	13424	26-6	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	13470	27-6	0630	Tue	0574 00000	FSK 100/620	(AB)
F11	13470	27-6	0635	Tue	0574 00000	FSK 100/620	(AB)
F11	8423	27-6	0900	Tue	0554 00000	FSK 100/620	(AB)
F11	8423	27-6	0905	Tue	0554 00000	FSK 100/620	(AB)
F11	6280	27-6	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	6280	27-6	1155	Tue	0325 00000	FSK 100/620	(AB)
F11	15632	28-6	0730	Wed	0453 88888 88888 56157 78988 50099 ... 95871 62938 02839 88888 88888 00035 00035	FSK 100/620	(AB/ES)
F11	15632	28-6	0735	Wed	0453 88888 88888 56157 78988 50099 ... 95871 62938 02839 88888 88888 00035 00035	FSK 100/620	(AB)
F11	13424	28-6	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	13424	28-6	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	6280	28-6	1150	Wed	0325 00000	FSK 100/620	(AB)
F11	6280	28-6	1155	Wed	0325 00000	FSK 100/620	(AB)
F11	7837	29-6	0515	Thu	0446 88888 88888 17410 97377 72602 ... 21939 77779 34046 88888 88888 00039 00039	FSK 100/620	(AB)
F11	7837	29-6	0520	Thu	0446 88888 88888 17410 97377 72602 ... 21939 77779 34046 88888 88888 00039 00039	FSK 100/620	(AB)
F11	13470	29-6	0630	Thu	0574 00000	FSK 100/620	(AB)
F11	13470	29-6	0635	Thu	0574 00000	FSK 100/620	(AB)
F11	6480	29-6	0800	Thu	0434 00000	FSK 100/620	(AB)
F11	6480	29-6	0805	Thu	0434 00000	FSK 100/620	(AB)
F11	15632	30-6	0730	Fri	0453 88888 88888 56157 78988 50099 ... 95871 62938 02839 88888 88888 00035 00035	FSK 100/620	(AB)
F11	15632	30-6	0735	Fri	0453 88888 88888 56157 78988 50099 ... 95871 62938 02839 88888 88888 00035 00035	FSK 100/620	(AB)
F11	8423	30-6	0900	Fri	0554 00000	FSK 100/620	(AB)
F11	8423	30-6	0905	Fri	0554 00000	FSK 100/620	(AB)
G06	7320	5-6	0802	Mon	i.p. 329 329 329 000000	USB	(ES)
G06	5471	5-6	1659	Mon	563 563 563 00000	USB	(AnEur)
G06	6924	7-6	1300	Wed	i.p. 563 563 563 000000	USB	(ES)
G06	5890	8-6	1300	Thu	329 329 329 00000. Windows shutdown sound	USB	(AB-RUS)
G06	6887	8-6	1830	Thu	842 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000 Windows-XP shutdown sound	USB	(AB/MPJ)
G06	5943	9-6	1930	Fri	218 289 54 12345 89657 45632 ... 64618 84021 72492 289 54	USB	(AB/MPJ)



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G06	5471	12-6	1700	Mon	563 563 563 00000	USB	(MPJ)
G06	5764	12-6	1800	Mon	563 563 563 00000	USB	(AB/MPJ)
G06	5934	15-6	2030	Thu	i.p. ??? 149 149 52 52 12265 10965 47839 ... 53234 05124 95732 149 149 52 52 00000 Windows shut down sound	USB	(AB)
G06	5895	22-6	1259	Thu	329 329 329 00000 Windows shutdown sound	USB	(AB-RUS/ES)
G06	6887	22-6	1830	Thu	842 746 68 73631 85189 12389 ... 54187 54387 12845 746 68 00000 Windows shutdown sound	USB	(AB)
G06	5943	23-6	1920	Fri	111 111	USB	(AB)
G06	5943	23-6	1920	Fri	218 for 2 mins, then switches to 5936 kHz tp avoid BC QRM	USB	(AB)
G06	5936	23-6	2132	Fri	111 111 1	USB	(AB)
G06	5936	23-6	2132	Fri	218 756 68 73631 85189 12389 ... 54187 54387 12855 756 68 00000 Windows shutdown sound	USB	(AB)
HM01	11635	1-6	1830	Thu	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(DSch)
HM01	10715	2-6	2157	Fri	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(RL)
HM01	11435	5-6	1600	Mon	57504 70456 86373 32342 31821 64831	AM/RDFT	(DSch)
HM01	11530	8-6	1700	Thu	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(DSch)
HM01	16180	9-6	2057	Fri	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(RL)
HM01	10860	12-6	0456	Mon	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(AB)
HM01	10345	12-6	0557	Mon	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(AB)
HM01	9330	12-6	0657	Mon	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(AB)
HM01	11462	13-6	0457	Tue	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(AB)
HM01	11435	13-6	1615	Tue	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(DSch)
HM01	16180	13-6	2057	Tue	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(RL)
HM01	10860	14-6	0501	Wed	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(AB)
HM01	13435	15-6	0657	Thu	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(AB-USA)
HM01	11435	15-6	1620	Thu	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(DSch)
HM01	16180	15-6	2057	Thu	57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May)	AM/RDFT	(RL)
HM01	17480	15-6	2200	Thu	57504 70456 86373 32342 31821 64831 (groups of 19 May) at 2227z RDFT off, 2228z Windows sound, 2231z several uno uno uno, then transmitter off	AM/RDFT	(Dan)
HM01	10860	16-6	0457	Fri	Windows sounds at 0500z: 65128 26813 77452 75814 30455 55864	AM/RDFT	(AB)
HM01	10345	16-6	0559	Fri	65128 26813 77452 75814 30455 55864	AM/RDFT	(AB)
HM01	9330	16-6	0657	Fri	65128 26813 77452 75814 30455 55864	AM/RDFT	(AB)
HM01	9065	16-6	0757	Fri	65128 26813 77452 75814 30455 55864	AM/RDFT	(AB)
HM01	9240	16-6	0900	Fri	65128 26813 77452 75814 30455 55864	AM/RDFT	(AB)
HM01	11435	16-6	1558	Fri	65128 26813 77452 75814 30455 55864	AM/RDFT	(RR2)
HM01	11435	16-6	1628	Fri	Windows sounds	AM	(RR2)
HM01	11530	16-6	1702	Fri	65128 26813 77452 75814 30455 55864	AM/RDFT	(DSch)
HM01	11435	17-6	1558	Sat	65128 26813 77452 75814 30455 55864 (repeating 16 June groups)	AM/RDFT	(RR2)
HM01	10860	18-6	0520	Sun	65128 26813 77452 75814 30455 55864 (repeating 16 June groups)	AM/RDFT	(AnALS)
HM01	10345	18-6	0557	Sun	65128 26813 77452 75814 30455 55864 (repeating 16 June groups)	AM/RDFT	(AB)
HM01	9330	18-6	0657	Sun	65128 26813 77452 75814 30455 55864 (repeating 16 June groups)	AM/RDFT	(AB)
HM01	9065	18-6	0758	Sun	65128 26813 77452 75814 30455 55864 (repeating 16 June groups)	AM/RDFT	(AB)
HM01	11530	18-6	1657	Sun	65128 26813 77452 75814 30455 55864 (repeating 16 June groups)	AM/RDFT	(AB-USA)
HM01	11635	18-6	1758	Sun	65128 26813 77452 75814 30455 55864 (repeating 16 June groups)	AM/RDFT	(AB-USA)



					June)		
HM01	11530	29-6	1721	Thu	i.p. 76127 48762 06621 10843 51773 14054 (repeating groups of 24 June)	AM/RDFT	(DSch)
HM01	10860	30-6	0456	Fri	76127 48762 06621 10843 51773 14054 (repeating groups of 24 June)	AM/RDFT	(AB)
HM01	11530	30-6	1711	Fri	i.p. 76127 48762 06621 10843 51773 14054 (repeating groups of 24 June)	AM/RDFT	(DSch)
HM02	4761	1-6	0431	Thu	Late start. 310 42 = 40818 10564 08583 ... 04740 25028 58104 = 310 42 000	FSK-19.8bd/129Hz/F SK-CW	(BR)
HM02	4761	2-6	0420	Fri	906 43 = 27687 30547 88377 ... 03203 55638 10731 = 906 43 000	FSK-19.8bd/129Hz/F SK-CW	(BR)
HM02	4761	3-6	0420	Sat	291 48 = 12649 08179 48307 ... 08862 78314 50613 = 231 48 000	FSK-19.8bd/129Hz/F SK-CW	(BR)
HM02	4761	5-6	0420	Mon	319 47 = ....50460 58412 08032 84003 54740 04677 = = 319 47 000	FSK-19.8bd/129Hz/F SK-CW	(BR)
HM02	4761	7-6	0420	Wed	813 48 = 18971 29005 80926 ... 37063 62268 87284 = 813 48 813 48 = repeats message = 813 48 000	FSK-19.8bd/129Hz/F SK-CW	(AB)
HM02	4761	9-6	0420	Fri	962 49 = 14051 55971 56957 ... 44437 03363 12156 extremely fast, noisy, weak and fading	FSK-19.8bd/129Hz/F SK-CW	(AB/BR)
HM02	4761	13-6	0416	Tue	Carrier from 0416 till 0436 UTC. No transmission	Carrier	(AB)
M01	6435	3-6	1500	Sat	025 192 30 = 11237 27172 98609 ... 84762 00804 46096 51142 182 30 00000	CW	(ES)
M01	5280	6-6	1800	Tue	025 743 30 = = 40901 50175 54021 63497 02561 ... 89320 42336 11403 69310 74073 = = 743 30 000	CW	(MPJ)
M01	4905	6-6	2000	Tue	025 901 30 = = 06507 98464 21818 32953 77004 ... 80062 28610 96762 65058 63183 = = 901 30 000	CW	(MPJ/ES)
M01	5280	8-6	1800	Thu	025 707 30 = = 98323 37917 96763 90773 23361 ... 13347 48111 37504 51541 07919 = = 707 30 000	CW	(MPJ)
M01	6435	10-6	1455	Sat	VVV VVV VVV	MCW	(AB)
M01	6435	10-6	1500	Sat	025 721 721 30 30 = = 59680 80941 26965 ... 21538 21057 41126 = = 721 721 30 30 000	MCW	(AB/MPJ/ES)
M01	6780	11-6	0705	Sun	i.p. 48377 26433 07777 33928 33738 62726 65564 80486 41863 18548 76567 19647 20214 56879 05345 = = 183 30 30 000	CW	(AB)
M01	5280	13-6	1800	Tue	025 557 30 = = 50725 46027 81234 ... 80116 42871 02071 = = 557 30 000. Some long zeros	CW	(MPJ)
M01	5280	15-6	1800	Thu	025 797 30 = = = 461__ 72690 41384 ... __534 71617 = = 797 30 000	CW	(MPJ)
M01	4905	15-6	2000	Thu	025 339 339 30 30 = = 79363 39916 79475 ... 42666 90112 83906 = = 339 339 30 30 000	MCW	(AB)
M01	6435	17-6	1500	Sat	025 (no msg nr/gc) 21991 70312 93002 ... 86992 41629 53793 = = 465 30 000 (sent once)	MCW	(AB/MPJ)
M01	6435	17-6	1500	Sat	025 21991 70312 ...	CW	(ES)
M01	6780	18-6	0700	Sun	025 997 997 30 30 = = 36324 34577 91581 ... 55675 432731427 = 9897 997 30 30 000 Errors	CW	(AB)
M01	5280	20-6	1800	Tue	025 137 30 = = 24871 45620 (fading) 29092 60601 56227 = = 137 30 000	CW	(MPJ)
M01	5280	27-6	1800	Tue	025 707 30 = ..... Only 29 groups sent.	CW	(ES)
M01	4905	27-6	2000	Tue	025 499 30 = 49509 96393 ... 20245 72393 499 30 000	CW	(ES)
M01	5280	29-6	1800	Thu	025 765 30 = = 41503 78102 45471 ... 74479 80539 10569 = = 765 30 000	CW	(MPJ)
M01a	5165	6-6	0934	Tue	i.p. 88942 88942 ... 628 88942 88942 ... 628 85092 86092 ... 628 86092 86092	CW	(ES)
M01a	5102	6-6	1204	Tue	i.p. 045 077 000	CW	(ES)
M01a	4956	28-6	1055	Wed	634 07849 .. 111	CW	(ES-POL)
M01a	4956	28-6	1109	Wed	333 06294 .. 11 Long 20 secs gaps between groups	CW	(ES-POL)
M01a	4956	29-6	1124	Thu	33305 33310 33314 33317 020 2023 33320 33321 33322 33323 33329 33330 33335 33336 33337 111 000	CW	(ES-POL)
M01b	5735	5-6	1810	Mon	364 317 32 = 77738 06882 ... 82430 55856 = = 317 32 000	MCW	(BR)
M01b	5150	5-6	1915	Mon	858 317 32 = 77738 06882 ... 82430 55856 = = 317 32 000 //5475 kHz	MCW	(BR)
M01b	5475	5-6	1915	Mon	858 317 32 = 77738 06882 ... 82430 55856 = = 317 32 000 //5150	MCW	(BR)

					kHz		
<b>M01b</b>	5095	8-6	1832	Thu	815 317 32 == 77738 06882 02256 07821 11349 ... 71708 23913 78400 82430 55856 == 317 32 000	MCW	(MPJ)
<b>M01b</b>	5065	8-6	1942	Thu	936 317 32 == 77738 06882 02256 07821 11349 ... 71708 23913 78400 82430 55856 == 317 32 000 //5805 kHz	MCW	(MPJ)
<b>M01b</b>	5805	8-6	1942	Thu	936 317 32 == 77738 06882 02256 07821 11349 ... 71708 23913 78400 82430 55856 == 317 32 000 //5065 kHz	MCW	(MPJ)
<b>M01b</b>	5075	9-6	1902	Fri	335 Stops in callup on both freqs. Carriers remain on //5465 kHz	MCW	(MPJ)
<b>M01b</b>	5465	9-6	1902	Fri	335 Stops in callup on both freqs. Carriers remain on //5075 kHz	MCW	(MPJ)
<b>M01b</b>	5125	12-6	1810	Mon	364 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5735 kHz	MCW	(MPJ)
<b>M01b</b>	5735	12-6	1810	Mon	364 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5125 kHz	MCW	(MPJ)
<b>M01b</b>	5150	12-6	1915	Mon	858 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5475 kHz	MCW	(MPJ)
<b>M01b</b>	5475	12-6	1915	Mon	858 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5150 kHz	MCW	(MPJ)
<b>M01b</b>	5065	15-6	1942	Thu	936 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5805 kHz	MCW	(MPJ)
<b>M01b</b>	5805	15-6	1942	Thu	936 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5065 kHz	MCW	(MPJ)
<b>M01b</b>	5075	16-6	1902	Fri	336 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5465 kHz	MCW	(MPJ)
<b>M01b</b>	5075	16-6	1902	Fri	i.p. 336 317 32 = 77738 06882 02256 ... 78400 82430 55856 317 32 000 //5465 kHz	CW	(ES)
<b>M01b</b>	5465	16-6	1902	Fri	336 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5075 kHz	MCW	(MPJ)
<b>M01b</b>	5465	16-6	1902	Fri	i.p. 336 317 32 = 77738 06882 02256 ... 78400 82430 55856 317 32 000 //5075 kHz	CW	(ES)
<b>M01b</b>	5125	19-6	1810	Mon	364 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5735 kHz	MCW	(MPJ)
<b>M01b</b>	5735	19-6	1810	Mon	364 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5125 kHz	MCW	(MPJ)
<b>M01b</b>	5150	19-6	1915	Mon	858 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5475 kHz	MCW	(MPJ)
<b>M01b</b>	5475	19-6	1915	Mon	858 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5150 kHz	MCW	(MPJ)
<b>M01b</b>	5095	22-6	1832	Thu	815 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5760 kHz	MCW	(MPJ)
<b>M01b</b>	5760	22-6	1832	Thu	815 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5095 kHz	MCW	(MPJ)
<b>M01b</b>	5065	22-6	1942	Thu	936 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5805 kHz	MCW	(MPJ)
<b>M01b</b>	5805	22-6	1942	Thu	936 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5065 kHz	MCW	(MPJ)
<b>M01b</b>	5465	23-6	1902	Fri	336 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000	MCW	(MPJ)
<b>M01b</b>	6435	24-6	1500	Sat	025 147 30 == 84901 33170 98962 ... 79971 32103 84879 == 147 30 000	CW	(MPJ)
<b>M01b</b>	5125	26-6	1810	Mon	364 317 317 32 32 77738 06882 02256 ... 78400 82430 55856 == 317 317 32 32 000 //5150 kHz	MCW	(MPJ)
<b>M01b</b>	5735	26-6	1810	Mon	364 317 317 32 32 77738 06882 02256 ... 78400 82430 55856 == 317 317 32 32 000 //5475 kHz	MCW	(MPJ)
<b>M01b</b>	5150	26-6	1915	Mon	858 317 317 32 32 77738 06882 02256 ... 78400 82430 55856 == 317 317 32 32 000 //5475 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5475	26-6	1915	Mon	858 317 317 32 32 77738 06882 02256 ... 78400 82430 55856 == 317 317 32 32 000 //5150 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5095	29-6	1832	Thu	815 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000	MCW	(MPJ)
<b>M01b</b>	5065	29-6	1942	Thu	936 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5805 kHz	MCW	(MPJ)
<b>M01b</b>	5805	29-6	1942	Thu	936 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5065 kHz	MCW	(MPJ)
<b>M01b</b>	5075	30-6	1902	Fri	336 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5465 kHz	MCW	(MPJ)
<b>M01b</b>	5465	30-6	1902	Fri	336 317 32 == 77738 06882 02256 ... 78400 82430 55856 == 317 32 000 //5075 kHz	MCW	(MPJ)

M12	16217	2-6	1950	Fri	284 284 284 000	CW	(Danix)
M12	14817	2-6	2010	Fri	284 284 284 000	CW	(Danix)
M12	9282	3-6	0500	Sat	291 291 291 000	CW	(ES)
M12	10982	3-6	0520	Sat	291 291 291 000	CW	(ES)
M12	13873	3-6	1310	Sat	834 1 9608 117 73822 60131 ... 89450 18576 000 000	CW	(ES/HFD)
M12	13373	3-6	1330	Sat	834 1 9608 117 73822 60131 ... 89450 18576 000 000	CW	(ES/HFD)
M12	11473	3-6	1350	Sat	834 1 9608 117 73822 60131 ... 89450 18576 000 000	CW	(ES/HFD)
M12	16117	5-6	1400	Mon	174 1 4744 145 89515 76758 05908 ... 00508 76902 60665 000 000	CW	(AB/MPJ/HFD )
M12	14717	5-6	1420	Mon	174 1 4744 145 89515 76758 05908 ... 00508 76902 60665 000 000	CW	(AB/MPJ/HFD )
M12	13417	5-6	1440	Mon	174 1 4744 145 89515 76758 05908 ... 00508 76902 60665 000 000	CW	(AB/MPJ/HFD )
M12	16117	7-6	1400	Wed	174 1 4744 145 89515 76758 05908 ... 00508 76902 60665 000 000	CW	(AB/MPJ)
M12	14717	7-6	1420	Wed	174 1 4744 145 89515 76758 05908 ... 00508 76902 60665 000 000	CW	(AB/MPJ)
M12	13417	7-6	1440	Wed	174 1 4744 145 89515 76758 05908 ... 00508 76902 60665 000 000	CW	(AB/MPJ)
M12	16217	7-6	1950	Wed	284 284 284 000	CW	(AB/RL)
M12	9986	7-6	2100	Wed	903 1 6470 169 91709 48196 59143 ... 52652 86160 72362 000 000	CW	(AB/HFD)
M12	9086	7-6	2120	Wed	903 1 6470 169 91709 48196 59143 ... 52652 86160 72362 000 000	CW	(AB/HFD)
M12	7386	7-6	2140	Wed	903 1 6470 169 91709 48196 59143 ... 52652 86160 72362 000 000	CW	(AB/HFD)
M12	12193	8-6	0700	Thu	112 1 169 63 32201 18731 68779 ... 97509 95446 04631 000 000	CW	(AB-J)
M12	11103	8-6	0720	Thu	112 1 169 63 32201 18731 68779 ... 97509 95446 04631 000 000	CW	(AB-J)
M12	10293	8-6	0740	Thu	112 1 169 63 32201 18731 68779 ... 97509 95446 04631 000 000	CW	(AB-J)
M12	13873	8-6	1310	Thu	834 1 8449 109 41186 14511 71470 ... 15164 73154 19234 000 000	CW	(AB/MPJ/ES)
M12	13373	8-6	1330	Thu	834 1 8449 109 41186 14511 71470 ... 15164 73154 19234 000 000	CW	(AB/MPJ/ES)
M12	11473	8-6	1350	Thu	834 1 8449 109 41186 14511 71470 ... 15164 73154 19234 000 000	CW	(AB/MPJ/ES)
M12	16217	9-6	1950	Fri	284 284 284 000	CW	(MPJ)
M12	14817	9-6	2010	Fri	284 284 284 000	CW	(MPJ/RL)
M12	9282	10-6	0500	Sat	291 1 6470 169 91709 48196 59143 ... 52652 86160 72362 000 000	CW	(AB/ES/HFD)
M12	10982	10-6	0520	Sat	291 1 6470 169 91709 48196 59143 ... 52652 86160 72362 000 000	CW	(AB/ES/HFD)
M12	12182	10-6	0540	Sat	291 1 6470 169 91709 48196 59143 ... 52652 86160 72362 000 000	CW	(AB/ES/HFD)
M12	13873	10-6	1310	Sat	834 1 8449 109 41186 14511 71470 ... 15164 73154 19234 000 000	CW	(MPJ)
M12	13373	10-6	1330	Sat	834 1 8449 109 41186 14511 71470 ... 15164 73154 19234 000 000	CW	(MPJ)
M12	16269	10-6	2110	Sat	263 1 7081 111 69668 25898 ... 47084 83354 000 000	CW	(ES)
M12	14669	10-6	2130	Sat	263 1 7081 111 69668 25898 ... 47084 83354 000 000	CW	(RL/ES)
M12	13369	10-6	2150	Sat	263 1 7081 111 69668 25898 ... 47084 83354 000 000	CW	(ES)
M12	16117	12-6	1400	Mon	174 174 174 000	CW	(AB/MPJ)
M12	14717	12-6	1420	Mon	174 174 174 000	CW	(AB/MPJ)
M12	8116	12-6	2045	Mon	i.p. 12827 35477 92298 99643 ??? 42855...49965 65467 91564 ... 03327 98938 ? 49627 ?? 83956 000 000	CW	(RL)
M12	16117	14-6	1400	Wed	174 174 174 000	CW	(AB)
M12	14717	14-6	1420	Wed	174 174 174 000	CW	(AB)
M12	16217	14-6	1950	Wed	284 284 284 000	CW	(MPJ)
M12	14817	14-6	2010	Wed	284 284 284 000	CW	(MPJ/RL)
M12	9986	14-6	2100	Wed	903 1 4055 91 05742 62336 90951 ... 03950 51251 13686 000 000	CW	(AB/RL)
M12	16269	14-6	2115	Wed	i.p.	CW	(MCO)
M12	9086	14-6	2120	Wed	903 1 4055 91 05742 62336 90951 ... 03950 51251 13686 000 000	CW	(AB)
M12	14669	14-6	2130	Wed	263 263 263 1 1156 75 61352 ? 76377 ? ? 73533 ? ? 55365à 92388 68971 74637 ? ? 27821 ? 63556 ? 000 000	CW	(RL)
M12	7386	14-6	2140	Wed	903 1 4055 91 05742 62336 90951 ... 03950 51251 13686 000 000	CW	(AB)



M12	13873	15-6	1310	Thu	834 834 834 000	CW	(MPJ/ES)
M12	13373	15-6	1330	Thu	834 834 834 000	CW	(MPJ/ES)
M12	16217	16-6	1950	Fri	284 284 284 000	CW	(MPJ)
M12	14817	16-6	2010	Fri	284 284 284 000	CW	(MPJ)
M12	9282	17-6	0500	Sat	291 1 4055 91 05742 62336 90951 ... 03950 51251 13686 000 000	CW	(AB/ES)
M12	10982	17-6	0520	Sat	291 1 4055 91 05742 62336 90951 ... 03950 51251 13686 000 000	CW	(AB/ES)
M12	12182	17-6	0540	Sat	291 1 4055 91 05742 62336 90951 ... 03950 51251 13686 000 000	CW	(AB/ES)
M12	13873	17-6	1310	Sat	589 589 589 000	CW	(MPJ)
M12	13373	17-6	1330	Sat	589 589 589 000	CW	(MPJ)
M12	16269	17-6	2110	Sat	263 1 1156 75 61352 26137 ... 63556 65560 000 000	CW	(ES)
M12	13369	17-6	2130	Sat	263 1 1156 75 61352 26137 ... 63556 65560 000 000	CW	(ES)
M12	14669	17-6	2150	Sat	263 1 1156 75 61352 26137 ... 63556 65560 000 000	CW	(ES)
M12	16117	19-6	1400	Mon	174 1 5484 139 43494 01964 69146 ... 35319 26707 63818 000 000	CW	(AB/MPJ)
M12	14717	19-6	1420	Mon	174 1 5484 139 43494 01964 69146 ... 35319 26707 63818 000 000	CW	(AB/MPJ)
M12	13417	19-6	1440	Mon	174 1 5484 139 43494 01964 69146 ... 35319 26707 63818 000 000	CW	(AB/MPJ)
M12	16117	21-6	1400	Wed	174 1 5484 139 43494 01964 69146 ... 35319 26707 63818 000 000	CW	(AB/MPJ/ES)
M12	14717	21-6	1420	Wed	174 1 5484 139 43494 01964 69146 ... 35319 26707 63818 000 000	CW	(AB/MPJ/ES)
M12	13417	21-6	1440	Wed	174 1 5484 139 43494 01964 69146 ... 35319 26707 63818 000 000	CW	(AB/MPJ/ES)
M12	8047	21-6	1900	Wed	463 1	CW	(HFD)
M12	6802	21-6	1920	Wed	463 1	CW	(HFD)
M12	5788	21-6	1940	Wed	463 1	CW	(HFD)
M12	16217	21-6	1950	Wed	284 284 284 000	CW	(MPJ)
M12	14817	21-6	2010	Wed	284 284 284 000	CW	(MPJ)
M12	9986	21-6	2100	Wed	903 1 5291 121 68418 51343 75949 ... 88972 25545 26619 000 000	CW	(AB)
M12	16269	21-6	2110	Wed	263 263 263 000	CW	(HFD)
M12	9086	21-6	2120	Wed	903 1 5291 121 68418 51343 75949 ... 88972 25545 26619 000 000	CW	(AB)
M12	14669	21-6	2130	Wed	263 263 263 000	CW	(HFD)
M12	7386	21-6	2140	Wed	903 1 5291 121 68418 51343 75949 ... 88972 25545 26619 000 000	CW	(AB)
M12	13873	22-6	1310	Thu	834 1 826 95 33352 98649 84708 ... 52156 10106 10867 000 000	CW	(AB/MPJ/ES)
M12	13373	22-6	1330	Thu	834 1 826 95 33352 98649 84708 ... 52156 10106 10867 000 000	CW	(AB/MPJ/ES)
M12	11473	22-6	1350	Thu	834 1 826 95 33352 98649 84708 ... 52156 10106 10867 000 000	CW	(AB/MPJ/ES)
M12	16217	23-6	1950	Fri	284 284 284 000	CW	(MPJ)
M12	14817	23-6	2010	Fri	284 284 284 000	CW	(AB)
M12	9282	24-6	0500	Sat	291 1 5291 121 68418 51343 75949 ... 88972 25545 26619 000 000	CW	(AB/ES)
M12	10982	24-6	0520	Sat	291 1 5291 121 68418 51343 75949 ... 88972 25545 26619 000 000	CW	(AB/ES)
M12	12182	24-6	0540	Sat	291 1 5291 121 68418 51343 75949 ... 88972 25545 26619 000 000	CW	(AB/ES)
M12	13873	24-6	1310	Sat	834 1 826 95 33352 98649 84708 ... 52156 10106 10867 000 000	CW	(AB/MPJ)
M12	13373	24-6	1330	Sat	834 1 826 95 33352 98649 84708 ... 52156 10106 10867 000 000	CW	(AB/MPJ)
M12	11473	24-6	1350	Sat	834 1 826 95 33352 98649 84708 ... 52156 10106 10867 000 000	CW	(AB/MPJ)
M12	16269	24-6	2110	Sat	263 263 263 000	CW	(ES)
M12	16269	24-6	2130	Sat	263 263 263 000	CW	(ES)
M12	16117	26-6	1400	Mon	174 174 174 000	CW	(AB/MPJ)
M12	14717	26-6	1420	Mon	174 174 174 000	CW	(AB/MPJ)
M12	16117	28-6	1400	Wed	174 174 174 000	CW	(AB/MPJ)
M12	14717	28-6	1420	Wed	174 174 174 000	CW	(AB/MPJ)
M12	16217	28-6	1950	Wed	284 284 284 000	CW	(MPJ)
M12	9986	28-6	2100	Wed	903 903 903 000	CW	(AB)
M12	9086	28-6	2120	Wed	903 903 903 000	CW	(AB)
M12	13873	29-6	1310	Thu	834 834 834 000	CW	(AB/MPJ/ES)
M12	13373	29-6	1330	Thu	834 834 834 000	CW	(AB/MPJ/ES)
M12	16217	30-6	1950	Fri	284 284 284 000	CW	(AB/MPJ)
M12	14817	30-6	2010	Fri	284 284 284 000	CW	(AB)

<b>M14</b>	18041	1-6	0600	Thu	952	CW	(HFD-J)
<b>M14</b>	5430	3-6	0800	Sat	171 273 55 = 74653 26354 ... 48736 91023 273 55 00000	CW	(ES)
<b>M14</b>	5560	3-6	0900	Sat	171 273 55 = 74653 26354 ... 48736 91023 273 55 00000	CW	(ES)
<b>M14</b>	5357	6-6	1600	Tue	273 273 273 00000	MCW	(MPJ)
<b>M14</b>	18041	8-6	0500	Thu	952 314 314 50 50 == 14678 45976 94326 ... 84594 21543 54685 = = 314 314 50 50 00000	CW	(AB-J)
<b>M14</b>	18041	9-6	0500	Fri	952 680 680 55 55 == 91344 47981 74468 ... 15547 10151 94519 = = 680 680 55 55 00000	CW	(AB-J)
<b>M14</b>	16347	10-6	0930	Sat	617 617 617 00000	CW	(AB/ES/HFD)
<b>M14</b>	8173	11-6	0700	Sun	382 382 382 00000	MCW	(AB)
<b>M14</b>	6856	13-6	1820	Tue	163 518 86 32498 53900 12865 ... 20943 57286 61220 518 86 00000	MCW	(MPJ)
<b>M14</b>	18041	14-6	0500	Wed	952 406 406 55 55 == 44008 63242 03599 ... 62667 84853 32433	CW	(AB-J)
<b>M14</b>	18041	16-6	0500	Fri	952 430 430 50 50 == 38976 20284 85232 ... 58315 73129 96087 = = 430 430 50 50 00000	CW	(AB-J)
<b>M14</b>	6886	16-6	1800	Fri	382 382 382 00000	MCW	(AB)
<b>M14</b>	5240	18-6	2300	Sun	376 025 025 30 30 34253 75648 07912 ... 25634 75624 70689 025 025 30 30 00000	CW	(AB)
<b>M14</b>	5240	18-6	2319	Sun	random keying, then 15280 29415 5750o then off	CW	(AB)
<b>M14</b>	5825	19-6	0000	Mon	376 025 025 30 30 34253 75648 07912 ... 25634 75624 70689 025 025 30 30 00000	CW	(AB)
<b>M14</b>	18041	19-6	0500	Mon	952 186 186 60 60 == 79728 77412 86234 ... 75227 45860 72729 = = 186 186 60 60 00000	CW	(AB-J)
<b>M14</b>	18041	20-6	0500	Tue	952 952 952 00000	CW	(AB-Sib)
<b>M14</b>	5349	20-6	1600	Tue	273 273 273 00000	CW	(AB/MPJ)
<b>M14</b>	18041	21-6	0500	Wed	952 860 860 55 55 == 68433 18767 81684 ... 48319 46191 22750 = = 860 860 55 55 00000	CW	(AB-Sib)
<b>M14</b>	18041	22-6	0500	Thu	952 173 173 50 50 == 71955 48404 32657 ... 23846 71451 95432 = = 173 173 50 50 00000	CW	(AB-J)
<b>M14</b>	18041	23-6	0500	Fri	952 846 846 55 55 == 05830 04246 83823 ... 81890 12612 37360 = = 846 846 55 55 00000	CW	(AB-J)
<b>M14</b>	5430	24-6	0700	Sat	171 message	CW	(AB)
<b>M14</b>	9091	24-6	0811	Sat	i.p. 76463 5106 59027 53275 18059 42728 59980 91589 80411 ..... 84942 99406 == 731 731 52 52 00000	CW	(JPL-Sib)
<b>M14</b>	18041	26-6	0500	Mon	952 317 317 50 50 == 58571 74342 51583 ... 89483 18862 71406 = = 317 317 50 50 00000	CW	(AB-J)
<b>M14</b>	18041	27-6	0500	Tue	952 640 640 50 50 == 57395 76987 31418 ... 56359 63762 22693 = = 640 640 50 50 00000	CW	(AB-J)
<b>M14</b>	6856	27-6	1820	Tue	163 825 825 53 53 == 64532 37645 87465 ... 73546 53421 26534 = = 825 825 53 53 00000	CW	(AB/MPJ/ES)
<b>M14</b>	18041	28-6	0500	Wed	952 813 813 60 60 == 03244 34385 97703 ... 74859 92013 36049 = = 813 813 60 60 00000	CW	(AB-J)
<b>M14</b>	5938	28-6	1920	Wed	417 825 53 64532	CW	(HFD)
<b>M14</b>	18041	29-6	0500	Thu	952 740 740 50 50 == 95072 53583 72749 ... 00366 18663 65311 = = 740 740 50 50 00000	CW	(AB-J)
<b>M14</b>	18041	30-6	0500	Fri	952 686 686 55 55 == 18592 46323 33672 ... 57707 29049 67305 = = 686 686 55 55 00000	CW	(AB-J)
<b>M22</b>	6607	18-6	2042	Sun	vuv de 4XZ 4XZ ar	CW	(Brit)
<b>M32</b>	5596	17-6	1700	Sat	SOVN DE A3SA K. V11X DE A3SA K. QSA 3 QSA? K. PLKV DE A3SA K. OIIML DE A3SA K. QSA 1 QSA? K. 3WO2 DE A3SA K. PLKV DE A3SA K	CW	(JPL-Sib)
<b>M32</b>	11593	29-6	1303	Thu	i.p. DE IU6Z IU6Z K. R K. 2MBA 2MBA 2MBA DE IU6Z IU6Z K. R K. P7O2 P7O2 P7O2 DE IU6Z IU6Z K. R K. 4W6G 4W6G 4W6G DE IU6Z IU6Z K. R K	CW	(AB)
<b>M32a</b>	6324	15-6	1031	Thu	VVV RMKV DE RJD93 ZZD ? K. ZZU ZTZ 7945 7945 K. RMKV OK ZZU 7945 7945 K	CW	(JPL-NZL)
<b>M32a</b>	8816	16-6	0756	Fri	rjc38 rjc38 de 52592 qto 0745 qrd XLLV XLMV qbd 0500 qre 1045 k	CW	(WP3)
<b>M32b</b>	8816	25-6	1415	Sun	rjc38 rjc38 de 08006 qto 1404 qrd XLMV XLLV qre 1635 qbd 0600 k	CW	(WP3)
<b>M32b</b>	8816	26-6	0531	Mon	rjc38 rjc38 de 52592 qto 0520 qrd XLWF XLMV qre 0820 qbd 0530 k	CW	(WP3)
<b>M32b</b>	8816	26-6	1059	Mon	rjc38 rjc38 de 52592 qto 1050 qrd XUWL XLWF qre 1320 qbd 0530 k	CW	(WP3)
<b>M32b</b>	8816	26-6	1447	Mon	rjc38 rjc38 de 52592 qto 1437 qrd XLPB XUWL qre 1740 qbd 0430 k	CW	(WP3)
<b>M32b</b>	8816	29-6	0615	Thu	rjc38 rjc38 de 08006 qth 15640 13750 qtr 0613 qbg 7000 k	CW	(WP3)

<b>M32b</b>	8816	29-6	1114	Thu	rjf94 rjc38 de 52592 qto 1100 qrd XLPB XLMV qre 1300 qbd 0500 k	CW	(WP3)
<b>M32b</b>	8816	29-6	1115	Thu	rjc38 rjf94 de 08006 qto 1103 qrd XSSS XLMG qre 1525 qbd 0700 k	CW	(WP3)
<b>M32b</b>	8816	29-6	1417	Thu	rjf94 rjc38 de 52592 qto 1407 qrd XLMV XLPB qre 1615 qbd 0500 k	CW	(WP3)
<b>M32c</b>	8895	26-6	1340	Mon	W-markers: Tu-95MS Bear H net	CW	(Tom)
<b>M32c</b>	8895	30-6	0650	Fri	Russian Air Force Tu-95MS Bear H net: outstation SQKJ (QTC) and Net Station repeat QTC (QXS on 9128 kHz)	CW	(F5JBR)
<b>M32c</b>	8895	30-6	0700	Fri	W-marker Russian Air Force Tu-95MS Bear H net	CW	(F5JBR)
<b>M41</b>	5037	16-6	1800	Fri	GPY1 GPY1 GPY1 repeated for minute	CW	(MPJ)
<b>M42</b>	10157	25-6	0752	Sun	UCC DE RDK RDK QSY 10231 QSY 10231 UCC UCC DE RDK RDK QSY 10231 QSY 10231	CW	(JPL-Sib)
<b>M42</b>	10231	25-6	0755	Sun	UCC UCC UCC QSY 9320 QSY 9320 K. UCC UCC UCC QSY 9320 QSY 9230 BK QSA4 K NIL K SK	CW	(JPL-Sib)
<b>M51a</b>	6825	7-6	1302	Wed	FAV22: French Morse Practice. Mixed 5FG/LGs	CW	(MPJ)
<b>M89</b>	10180	1-6	0824	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
<b>M89</b>	10253	1-6	0828	Thu	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
<b>M89</b>	6793	1-6	0830	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
<b>M89</b>	8060	1-6	0830	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
<b>M89</b>	3642	1-6	1606	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M89</b>	7602	1-6	1606	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>M89</b>	10180	2-6	0619	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
<b>M89</b>	6840	2-6	0620	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
<b>M89</b>	10640	2-6	0620	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
<b>M89</b>	10222	2-6	0628	Fri	F30S DE 8HMW K. VV F30S DE 8HM NR 03 K QSY NR 02 K	CW	(JPL)
<b>M89</b>	8060	2-6	0644	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
<b>M89</b>	6852	2-6	1124	Fri	i.p. U WK NR K. RPT WK NR K. SK OK R R QSL 1926 K. R R LA9 DE SWBUF QSA 2 K	CW	(JPL)
<b>M89</b>	8079	2-6	1132	Fri	i.p. 65UD 7U3N 5U4D 3745 3UD4 ...	CW	(JPL)
<b>M89</b>	4067	2-6	1155	Fri	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
<b>M89</b>	4847	2-6	1155	Fri	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
<b>M89</b>	3777	2-6	1156	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
<b>M89</b>	4532	2-6	1156	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
<b>M89</b>	7573	2-6	1206	Fri	i.p. RPT K. R R IEC = 3049 AR K R IEC BT BT 4521 AR K (Normally exercise related)	CW	(JPL)
<b>M89</b>	5801	2-6	1219	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
<b>M89</b>	10180	2-6	1219	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
<b>M89</b>	6840	2-6	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
<b>M89</b>	10640	2-6	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
<b>M89</b>	7620	2-6	1230	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
<b>M89</b>	8350	2-6	1230	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
<b>M89</b>	3642	2-6	1547	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M89</b>	7602	2-6	1547	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>M89</b>	4131	2-6	1549	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	4847	2-6	2015	Fri	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
<b>M89</b>	4067	2-6	2018	Fri	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
<b>M89</b>	4847	2-6	2018	Fri	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
<b>M89</b>	3777	2-6	2019	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
<b>M89</b>	4532	2-6	2019	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
<b>M89</b>	3642	2-6	2020	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M89</b>	4860	2-6	2020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
<b>M89</b>	6840	2-6	2020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
<b>M89</b>	7602	2-6	2020	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>M89</b>	4720	2-6	2030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
<b>M89</b>	5150	2-6	2030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
<b>M89</b>	4131	4-6	1528	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3642	4-6	1529	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M89</b>	7602	4-6	1529	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>M89</b>	3642	4-6	1916	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
<b>M89</b>	3777	4-6	1917	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
<b>M89</b>	4532	4-6	1917	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
<b>M89</b>	4067	4-6	1919	Sun	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
<b>M89</b>	4847	4-6	1919	Sun	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
<b>M89</b>	4860	4-6	1920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
<b>M89</b>	4067	5-6	1219	Mon	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
<b>M89</b>	4847	5-6	1219	Mon	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)



M89	5410	5-6	1220	Mon	i.p. U QSY TO NR 6 NR 6 K. VV E8FW DE VRBZ K	CW	(JPL)
M89	6840	5-6	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	5-6	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	5801	5-6	1225	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	5-6	1225	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	5-6	1227	Mon	V M8JF (x3) DE RIS9 (x2) //4532 and 6793	CW	(JPL)
M89	4532	5-6	1227	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 6793	CW	(JPL)
M89	6793	5-6	1227	Mon	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	8855	5-6	1231	Mon	i.p. 4D5N 3A63 7T6U ...	CW	(JPL)
M89	5364	5-6	1302	Mon	i.p. R QSA 2 K. R HR F GA K. R FF NR 199/EX 2103 RMKS 0415 TO 2... =	CW	(JPL)
M89	3642	5-6	1618	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	5-6	1618	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4131	5-6	1619	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4860	5-6	1620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	5-6	1620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4532	5-6	1625	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	6793	5-6	1625	Mon	i.p. TT6A TAAT ANT7 T3AT 53AD 46T7 ... AR V M8JF DE RIS9 //4532	CW	(JPL)
M89	4720	5-6	1630	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	5-6	1630	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	8060	6-6	0408	Tue	M8JF de RIS9 V	CW	(F5JBR-J)
M89	8360	6-6	0420	Tue	Q2M de NYZ VVV	CW	(F5JBR-CHN)
M89	3642	6-6	1919	Tue	V DKG6 (x3) DE 3A7D (x2) 7602	CW	(JPL)
M89	7602	6-6	1919	Tue	V DKG6 (x3) DE 3A7D (x2) 3642	CW	(JPL)
M89	4131	6-6	1920	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4860	6-6	1920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) 6840	CW	(JPL)
M89	6840	6-6	1920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) 4860	CW	(JPL)
M89	3777	6-6	1926	Tue	V M8JF (x3) DE RIS9 (x2) 4532	CW	(JPL)
M89	4532	6-6	1926	Tue	V M8JF (x3) DE RIS9 (x2) 3777	CW	(JPL)
M89	4067	6-6	1927	Tue	V 6TGU (x3) DE GR4W (x2) 4847	CW	(JPL)
M89	4847	6-6	1927	Tue	V 6TGU (x3) DE GR4W (x2) 4067	CW	(JPL)
M89	4720	6-6	1930	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K	CW	(JPL)
M89	5150	6-6	1930	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K 472	CW	(JPL)
M89	6840	7-6	0920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10180	7-6	0920	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	10253	7-6	0920	Wed	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	10640	7-6	0920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	8350	7-6	0930	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K	CW	(JPL)
M89	6793	7-6	0941	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	7-6	0941	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3642	7-6	1452	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	7-6	1452	Wed	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M89	3777	7-6	1453	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	7-6	1453	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4131	7-6	1455	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4067	7-6	1456	Wed	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	7-6	1456	Wed	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	5801	9-6	1218	Fri	[V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	9-6	1218	Fri	[V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6840	9-6	1220	Fri	[VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	9-6	1220	Fri	[VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	3777	9-6	1224	Fri	[V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	9-6	1224	Fri	[V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	7620	9-6	1230	Fri	[V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	9-6	1230	Fri	[V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4067	9-6	1433	Fri	[V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	9-6	1433	Fri	[V 6TGU (x3) DE GR4W (x2) //4607	CW	(JPL)
M89	4101	9-6	1437	Fri	[i.p. 3NAU 5N4D 68NT ... AR QSL ? R SK GB SK SK GB	CW	(JPL)
M89	4131	9-6	1749	Fri	[V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4067	9-6	1750	Fri	[V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	9-6	1750	Fri	[V 6TGU (x3) DE GR4W (x2) //4607	CW	(JPL)
M89	10253	10-6	1044	Sat	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	10180	10-6	1045	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	10-6	1046	Sat	V M8JF (x3) DE RIS9 (x2) //4532 and 6793 and 8060	CW	(JPL)
M89	4532	10-6	1046	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 6793 and 8060	CW	(JPL)
M89	6793	10-6	1046	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 8060	CW	(JPL)

M89	8060	10-6	1046	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 6793	CW	(JPL)
M89	5604	10-6	1050	Sat	i.p. R U MSG GA K. R GA NR 1 K. R R MSG GA AT AGN U MSG GA K	CW	(JPL)
M89	4067	10-6	1354	Sat	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	10-6	1354	Sat	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	3777	10-6	1356	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	10-6	1356	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5801	10-6	1410	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	10-6	1410	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	4067	11-6	1201	Sun	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	5801	11-6	1202	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	11-6	1202	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	4067	11-6	1219	Sun	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	11-6	1219	Sun	V 6TGU (x3) DE GR4W (x2) //4607	CW	(JPL)
M89	6840	11-6	1220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	11-6	1220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	3777	11-6	1224	Sun	i.p. MSG NR 53. CK 199 .4 0611 2023 RMKS CQ = D4DT AN43 U7.. AR V M8JF DE RIS9 /	CW	(JPL)
M89	4532	11-6	1224	Sun	i.p. MSG NR 53. CK 199 .4 0611 2023 RMKS CQ = D4DT AN43 U7.. AR V M8JF DE RIS9 /	CW	(JPL)
M89	7620	11-6	1230	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	11-6	1230	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	3642	11-6	1848	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	11-6	1848	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4131	11-6	1849	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5801	12-6	1219	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	12-6	1219	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6840	12-6	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	12-6	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	4844	12-6	1226	Mon	i.p. 7D6D T75D ... AR K. R RPT K. R RPT 2. 3W = 5..N AR K. R GA K	CW	(JPL)
M89	3777	12-6	1229	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	12-6	1229	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	7620	12-6	1230	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	12-6	1230	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4067	12-6	1256	Mon	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	12-6	1256	Mon	V 6TGU (x3) DE GR4W (x2) //4607	CW	(JPL)
M89	10253	12-6	2344	Mon	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	8060	12-6	2346	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3777	13-6	0915	Tue	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	10253	13-6	0916	Tue	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	7620	13-6	0930	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	13-6	0930	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	10180	13-6	1005	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6793	13-6	1008	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	13-6	1008	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	11241	13-6	1009	Tue	VV O6SO DE M4GX K. VV O6SO DE M4GX K (see N&O 237)	CW	(JPL)
M89	6840	13-6	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	13-6	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	13-6	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	13-6	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	7620	13-6	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	13-6	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	7602	13-6	1503	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	13-6	1505	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	13-6	1505	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	13-6	1507	Tue	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	13-6	1507	Tue	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	4050	13-6	1509	Tue	i.p. 74A6 36D5 N7T7 ... AR GA K. QSL 231. SK SK	CW	(JPL)
M89	4620	13-6	1520	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	13-6	1520	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	13-6	1520	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	4720	13-6	1530	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	13-6	1530	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4067	13-6	1620	Tue	i. p. AR MSG NR 053 CK 399 14 0613 0000 = 7T64 5U.. AR FM V	CW	(JPL)

6TGU DE GR4W //4847								
M89	4847	13-6	1620	Tue	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)	
M89	10253	14-6	0656	Wed	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)	
M89	6793	14-6	0659	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)	
M89	8060	14-6	0659	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)	
M89	12856	14-6	0701	Wed	XSG //8665) (Remote tuner Japan	CW	(JPL)	
M89	10180	14-6	1104	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)	
M89	10253	14-6	1105	Wed	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)	
M89	4532	14-6	1107	Wed	V M8JF (x3) DE RIS9 (x2) //6793 and 8060	CW	(JPL)	
M89	6793	14-6	1107	Wed	V M8JF (x3) DE RIS9 (x2) //8060 and 4532	CW	(JPL)	
M89	8060	14-6	1107	Wed	V M8JF (x3) DE RIS9 (x2) //6793 and 4532	CW	(JPL)	
M89	4352	14-6	1116	Wed	i.p. D57A AR OK QSL 19.. K. HR WK NR .1. K. AGN	CW	(JPL)	
M89	6840	14-6	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)	
M89	10640	14-6	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)	
M89	4067	14-6	1802	Wed	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)	
M89	4847	14-6	1802	Wed	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)	
M89	7602	14-6	2256	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)	
M89	10253	15-6	0957	Thu	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)	
M89	6793	15-6	0958	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)	
M89	8060	15-6	0958	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)	
M89	5801	15-6	0959	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)	
M89	10180	15-6	0959	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)	
M89	6840	15-6	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)	
M89	10640	15-6	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)	
M89	10332	15-6	1052	Thu	VVV TJHY (x3) DE AEZF (x3) = YR NR 16 MSG QSL TIME 1835 AR	CW	(JPL)	
M89	6840	15-6	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)	
M89	10640	15-6	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)	
M89	5687	15-6	1127	Thu	i.p. 644U 3UD6 UD5U A7T6 3A64 7T73 (Cont'd) II K	CW	(JPL)	
M89	4067	15-6	1208	Thu	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)	
M89	4847	15-6	1208	Thu	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)	
M89	3777	15-6	1210	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)	
M89	4532	15-6	1210	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)	
M89	3642	15-6	1751	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)	
M89	7602	15-6	1751	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)	
M89	4067	16-6	1411	Fri	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)	
M89	4847	16-6	1411	Fri	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)	
M89	5801	16-6	1412	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)	
M89	10180	16-6	1412	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)	
M89	3777	16-6	1414	Fri	V M8JF (x3) DE RIS9 (x2) //4532 and 8060	CW	(JPL)	
M89	4532	16-6	1414	Fri	V M8JF (x3) DE RIS9 (x2) //3777 and 8060	CW	(JPL)	
M89	8060	16-6	1414	Fri	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)	
M89	4200	16-6	1417	Fri	i.p. 7N37 66U4 4DUT N7D5 AU3N NU4T ... AR	CW	(JPL)	
M89	4860	16-6	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)	
M89	6840	16-6	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)	
M89	4366	16-6	1424	Fri	i.p. U5TAA 4D33 55DT 6U65 44TU ... AR K K	CW	(JPL)	
M89	3642	16-6	1827	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)	
M89	7602	16-6	1827	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)	
M89	5801	17-6	0637	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)	
M89	10180	17-6	0637	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)	
M89	6793	17-6	1030	Sat	V M8JF DE RIS9	CW	(EW)	
M89	4067	17-6	1119	Sat	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)	
M89	4847	17-6	1119	Sat	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)	
M89	3777	17-6	1120	Sat	V M8JF (x3) DE RIS9 (x2) //4532 and 6793 and 8060	CW	(JPL)	
M89	4532	17-6	1120	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 6793 and 8060	CW	(JPL)	
M89	6793	17-6	1120	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 8060	CW	(JPL)	
M89	6840	17-6	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)	
M89	8060	17-6	1120	Sat	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 6793	CW	(JPL)	
M89	10640	17-6	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)	
M89	5801	17-6	1125	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)	
M89	10180	17-6	1125	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)	
M89	4131	17-6	1649	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)	
M89	3642	17-6	1650	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)	
M89	7602	17-6	1650	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)	
M89	5416	17-6	1654	Sat	i.p. U57D 745U 47N5 NA4D (Cont'd) AR K	CW	(JPL)	
M89	3642	19-6	2014	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)	
M89	7602	19-6	2014	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)	
M89	4532	19-6	2015	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)	

M89	4067	19-6	2017	Mon	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	19-6	2017	Mon	V 6TGU (x3) DE GR4W (x2) //4607	CW	(JPL)
M89	4860	19-6	2020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	19-6	2020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	3777	19-6	2022	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	19-6	2022	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	10180	20-6	0658	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6820	20-6	0713	Tue	i.p. DN73 67DA 4ADU U76A N5D4 673T ... AR K OK OK	CW	(JPL)
M89	6840	20-6	0720	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	20-6	0720	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	10180	20-6	1150	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3642	20-6	1553	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	20-6	1553	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	20-6	1555	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	20-6	1555	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	20-6	1557	Tue	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	20-6	1557	Tue	V 6TGU (x3) DE GR4W (x2) //4607	CW	(JPL)
M89	4720	20-6	1832	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	20-6	1832	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	10253	21-6	1115	Wed	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	10180	21-6	1116	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	21-6	1118	Wed	V M8JF (x3) DE RIS9 (x2) //4532 and 6793	CW	(JPL)
M89	4532	21-6	1118	Wed	V M8JF (x3) DE RIS9 (x2) //3777 and 6793	CW	(JPL)
M89	6793	21-6	1118	Wed	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	6840	21-6	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	21-6	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	8350	21-6	1130	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K	CW	(JPL)
M89	8050	22-6	0024	Thu	R AH MSG GA K 7G GA = = 36.U D45N 3AU4 (Cont'd)	CW	(JPL)
M89	4067	22-6	1017	Thu	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	10180	22-6	1018	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6793	22-6	1019	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	22-6	1019	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	22-6	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	22-6	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	5814	22-6	1315	Thu	AR K. RPT R GA R RPT 50W K R (Other station appears to be on 5744) QSL 2122 K K	CW	(JPL)
M89	4067	22-6	2005	Thu	V EDC3 (x3) DE VF4R (x2) //4847 sending different R/S	CW	(JPL)
M89	4847	22-6	2005	Thu	V 6TGU (x3) DE GR4W (x2) //4607 sending different R/S	CW	(JPL)
M89	3777	22-6	2010	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	22-6	2010	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3642	22-6	2013	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4131	22-6	2014	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	10180	23-6	1006	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6793	23-6	1018	Fri	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	23-6	1018	Fri	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10253	23-6	1018	Fri	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	6840	23-6	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	23-6	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	3777	23-6	1336	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	23-6	1336	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5801	24-6	0806	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	24-6	0806	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	10253	24-6	0825	Sat	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	6793	24-6	0826	Sat	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	24-6	0826	Sat	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3777	24-6	1237	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	24-6	1237	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5154	24-6	1239	Sat	1W TO 19W = T3D4 N6U4 4NN7 ... K.	CW	(JPL)
M89	5179	24-6	1241	Sat	i.p. AH CY HR CQ MSG PSE ALL CY MSG CY NR 39 CK 99 73 0207 1825 RMKS E4376 TO 368	CW	(JPL)
M89	4860	24-6	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	24-6	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4067	24-6	1523	Sat	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	24-6	1523	Sat	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	3642	24-6	1934	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	24-6	1934	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4131	24-6	1936	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)



M89	5801	25-6	0746	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	25-6	0746	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	10253	25-6	0801	Sun	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	6793	25-6	0813	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	25-6	0813	Sun	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10640	25-6	0820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
M89	8350	25-6	0830	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K	CW	(JPL)
M89	10253	25-6	1243	Sun	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	5801	25-6	1244	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	25-6	1244	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	25-6	1254	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	25-6	1254	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3642	25-6	2059	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	25-6	2059	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4067	25-6	2104	Sun	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	25-6	2104	Sun	V 6TGU (x3) DE GR4W (x2) //4607	CW	(JPL)
M89	10253	27-6	0852	Tue	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	6793	27-6	0854	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	27-6	0854	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	5801	27-6	1442	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	27-6	1442	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	27-6	1445	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	27-6	1445	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	27-6	1446	Tue	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	27-6	1446	Tue	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	5197	27-6	1446	Tue	i.p. MSG NR 2094 CK 73 54 0627 2240 RMKS 1319478 TO 1319476 =	CW	(JPL)
M89	5277	27-6	1504	Tue	(i.p. T7AU DNAU 5U6N 65N4 N36U ...	CW	(JPL)
M89	4720	27-6	1730	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	27-6	1730	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3642	27-6	1853	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	27-6	1853	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4271	27-6	1901	Tue	i.p. DTU3 TNAU 3N4T 5A6N A6TU 4TDA ... AR K	CW	(JPL)
M89	10253	29-6	1159	Thu	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	5801	29-6	1200	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	29-6	1200	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	29-6	1204	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	29-6	1204	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4047	29-6	1510	Thu	i.p. 7AT3 D66U 35NA 473D ... AR R R R GA R QSL 2320 K SK SK	CW	(JPL)
M89	10640	30-6	0720	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
M89	8060	30-6	0726	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	10253	30-6	0728	Fri	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	3777	30-6	1616	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	30-6	1616	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	30-6	1619	Fri	V EDC3 (x3) DE VF4R (x2) //4847 sending different roundslip	CW	(JPL)
M89	4847	30-6	1619	Fri	V 6TGU (x3) DE GR4W (x2) //4067 sending different roundslip	CW	(JPL)
M89	4860	30-6	1620	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	30-6	1620	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4720	30-6	1630	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	30-6	1630	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4348	30-6	1808	Fri	i.p. RMKS 6906 TO 6..4 TO 6948 TO 6919 TO 69.36 K R OK K	CW	(JPL)
M89	4680	30-6	1817	Fri	i.p. AU45 N5A6 N64A DT4A N6A4 D4A5 6U3A ... AR K	CW	(JPL)
M89	5197	30-6	1824	Fri	i.p. R QSL 0226 K. R BOZ TO R EEEE BOK EEEE BOZ .2 UP SB K K K R	CW	(JPL)
M89	5801	30-6	2252	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	30-6	2252	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89v	7573	2-6	1217	Fri	Switched to voice traffic	USB	(JPL)
M89v	5364	5-6	1320	Mon	Switched to voice traffic	USB	(JPL)
M89v	5416	17-6	1658	Sat	Switched to voice in Chinese	USB	(JPL)
M95	9054	1-6	0836	Thu	VV HR MSG TO YR PSE CY NR 029 CK 19 35 0601 1431 = 5TD UTT TTA 3U6 3A4 ...	CW	(JPL)
M95	7553	1-6	0912	Thu	BNEC (x3) DE XSV70 (x2) V HR MSG TO YR PSE CY NR 455 CK 96 35 0601 1536 ... //9153 kHz	CW	(JPL)
M95	9153	1-6	0912	Thu	BNEC (x3) DE XSV70 (x2) V HR MSG TO YR PSE CY NR 455 CK 96 35 0601 1536 ... //7553 kHz	CW	(JPL)
M95	4364	2-6	1137	Fri	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0452 CK 174 35 0602 1549 = TTU 3U6 3AN 3U7 ... //8073 kHz	CW	(JPL)

M95	8073	2-6	1137	Fri	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0452 CK 174 35 0602 1549 = TTU 3U6 3AN 3U7 ... //4364 kHz	CW	(JPL)
M95	4243	2-6	1147	Fri	VV HR MSG TO YR PSE CY NR 031 CK 20 35 0602 1534 = 5TD UTT TTU 3U6 3A4 354 ... //9054 kHz	CW	(JPL)
M95	9054	2-6	1147	Fri	VV HR MSG TO YR PSE CY NR 031 CK 20 35 0602 1534 = 5TD UTT TTU 3U6 3A4 354 ... //4243 kHz	CW	(JPL)
M95	4364	5-6	1148	Mon	XSV85 i.p. 773 354 374 4AA NN3 445 474 437 ... //8073 kHz	CW	(JPL-CHN)
M95	8073	5-6	1148	Mon	XSV85 i.p. 773 354 374 4AA NN3 445 474 437 ... //4364 kHz	CW	(JPL-CHN)
M95	4243	5-6	1153	Mon	i.p. 336 N3U 447 4D6 336 N3U 4DD 3DA 336 ... //9054 kHz	CW	(JPL-CHN)
M95	9054	5-6	1153	Mon	i.p. 336 N3U 447 4D6 336 N3U 4DD 3DA 336 ... //4243 kHz	CW	(JPL-CHN)
M95	8073	11-6	1140	Sun	V BNGC (x3) DE XSV85 (x2) HR MSG PSE CY NR 0482 CK 46 35 0611 1554 = TT6 N5U ...	CW	(JPL-NZL)
M95	4243	11-6	1145	Sun	VV A HR MSG TO YR PSE CY NR 049 CK 1. 35 0611 1534 = 5TD UTT TT3 TT3 ... //9054 kHz	CW	(JPL-NZL)
M95	9054	11-6	1145	Sun	VV A HR MSG TO YR PSE CY NR 049 CK 1. 35 0611 1534 = 5TD UTT TT3 TT3 ... //4243 kHz	CW	(JPL-NZL)
M95	9054	12-6	2347	Mon	i.p.NR 028 CK 17 35 0613 0555 = UT6 TA3 3U4 3A4 TTTA TT. TT3 773 35A U.T ...	CW	(JPL-CHN)
M95	7553	13-6	0954	Tue	i.p. CK 112 35 0613 0723 UU5 UT3 TA3 3U4 TT4 773 353 ... //9153 kHz	CW	(JPL-NZL)
M95	9153	13-6	0954	Tue	i.p. CK 112 35 0613 0723 UU5 UT3 TA3 3U4 TT4 773 353 ... //7553 kHz	CW	(JPL-NZL)
M95	4364	13-6	1138	Tue	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0494 CK 216 35 0613 1613 = //8073 kHz	CW	(JPL-NZL)
M95	8073	13-6	1138	Tue	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0494 CK 216 35 0613 1613 = //4364 kHz	CW	(JPL-NZL)
M95	4243	13-6	1148	Tue	VV HR MSG TO YR PSE CY NR 053 18 35 0613 1508 = //9054 kHz	CW	(JPL-NZL)
M95	9054	13-6	1148	Tue	VV HR MSG TO YR PSE CY NR 053 18 35 0613 1508 = //4243 kHz	CW	(JPL-NZL)
M95	7533	15-6	0952	Thu	37U 4T3 N3D 4A7 445 ... ZNN SK //9153 kHz	CW	(JPL-NZL)
M95	9153	15-6	0952	Thu	37U 4T3 N3D 4A7 445 ... ZNN SK //7553 kHz	CW	(JPL-NZL)
M95	4364	15-6	1139	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY //8073 kHz	CW	(JPL-NZL)
M95	8073	15-6	1139	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY //4364 kHz	CW	(JPL-NZL)
M95	4243	15-6	1145	Thu	VV HR 7G TO YR PSE CY NR 057 CK 17 35 0615 1450 = //9054 kHz	CW	(JPL-NZL)
M95	9054	15-6	1145	Thu	VV HR 7G TO YR PSE CY NR 057 CK 17 35 0615 1450 = //4243 kHz	CW	(JPL-NZL)
M95	4364	20-6	1136	Tue	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0509 CK 168 35 0620 1615 = TAT 3U6 3AN 3U7 TA4 773 ... //8073 kHz	CW	(JPL-NZL)
M95	8073	20-6	1136	Tue	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0509 CK 168 35 0620 1615 = TAT 3U6 3AN 3U7 TA4 773 ... //4364 kHz	CW	(JPL-NZL)
M95	4364	21-6	1135	Wed	V BNGC (x3) DE XSV85 (x2) A HR MSG PSE CY NR 0511 CK 1.. 35 0621 1610 T.. 3U6 .A.. (Cont'd) //8073 kHz	CW	(JPL-NZL)
M95	8073	21-6	1135	Wed	V BNGC (x3) DE XSV85 (x2) A HR MSG PSE CY NR 0511 CK 1.. 35 0621 1610 T.. 3U6 .A.. (Cont'd) //4364 kHz	CW	(JPL-NZL)
M95	4243	21-6	1147	Wed	VVV HR 7G TO YR PSE CY NR 69 CK 18 35 0621 1452 = 5TD UTT TUA 3U6 3A4 ... //9054 kHz	CW	(JPL-NZL)
M95	9054	21-6	1147	Wed	VVV HR 7G TO YR PSE CY NR 69 CK 18 35 0621 1452 = 5TD UTT TUA 3U6 3A4 ... //4243 kHz	CW	(JPL-NZL)
M95	8073	22-6	0009	Thu	XSV85 i.p. 773 TUU 773 356 ... AR MSG AGN 7G AGN NR 0512 CK 101 35 0622 ..48 =	CW	(JPL-CHN)
M95	7553	22-6	1326	Thu	i.p. 773 3AD 357 ... MSG AGN NR 525 CK 161 35 0622 1544 .... ZNN SK //9153 kHz	CW	(JPL-NZL)
M95	9153	22-6	1326	Thu	i.p. 773 3AD 357 ... MSG AGN NR 525 CK 161 35 0622 1544 .... ZNN SK //7553 kHz	CW	(JPL-NZL)
MX	5094	16-6	1922	Fri	i.p. V	CW	(ES)
MX	16331.7	21-6	1905	Wed	Beacon D, Sevastopol	CW	(MPJ)
MX	9442	23-6	0903	Fri	Beacon P, Kaliningrad	CW	(ES)
MX	5154.1	23-6	1946	Fri	Beacon A, Astrakhan	CW	(MPJ)
MX	5153.8	23-6	1947	Fri	Beacon P, Kaliningrad	CW	(MPJ)
MX	5153.9	23-6	1947	Fri	Beacon S, Severomorsk	CW	(MPJ)
MX	5154	23-6	1947	Fri	Beacon C, Moscow	CW	(MPJ)
MX	4150	24-6	2131	Sat	Beacon V	CW	(ES)
MX	13527.7	27-6	2000	Tue	Beacon D, Sevastopol	CW	(MPJ)
MX	13527.9	27-6	2001	Tue	Beacon S: Severomorsk	CW	(MPJ)
MX	13528	27-6	2002	Tue	Beacon C: Moscow	CW	(MPJ)
MX	13528.2	28-6	0608	Wed	Beacon F, Vladivostok	CW	(AB)
MX	13528.4	28-6	0608	Wed	Beacon M, Magadan	CW	(AB)
MX	8495.5	28-6	1113	Wed	Beacon M, Magadan	CW	(AB-J)
MX	16332.2	28-6	1203	Wed	Beacon F, Vladivostok	CW	(AB)

<b>MX</b>	16332.4	28-6	1203	Wed	Beacon M, Magadan	CW	(AB)
<b>MX</b>	10872.4	28-6	1204	Wed	Beacon F, Vladivostok	CW	(AB)
<b>MX</b>	8495.1	28-6	1646	Wed	Beacon A, Astrakhan	CW	(AB)
<b>MX</b>	10871.7	28-6	1646	Wed	Beacon D, Sevastopol	CW	(AB)
<b>MX</b>	10871.9	28-6	1647	Wed	Beacon S, Sevromorsk	CW	(AB)
<b>MX</b>	7508.7	28-6	1648	Wed	Beacon D, Sevastopol	CW	(AB)
<b>MX</b>	7508.9	28-6	1648	Wed	Beacon S, Sevromorsk	CW	(AB)
<b>MX</b>	8494.7	28-6	1648	Wed	Beacon D, Sevastopol	CW	(AB)
<b>MX</b>	10872.2	29-6	0618	Thu	Beacon F, Vladivostok	CW	(AB-J)
<b>MX</b>	10872.4	29-6	0618	Thu	Beacon M, Magadan	CW	(AB-J)
<b>MX</b>	13528.2	29-6	0618	Thu	Beacon F, Vladivostok	CW	(AB-J)
<b>MX</b>	13528.4	29-6	0618	Thu	Beacon M, Magadan	CW	(AB-J)
<b>MX</b>	16332.2	29-6	0618	Thu	Beacon F, Vladivostok	CW	(AB-J)
<b>MX</b>	7038.4	29-6	0619	Thu	Beacon M, Magadan	CW	(AB-J)
<b>MX</b>	8495.4	29-6	0619	Thu	Beacon M, Magadan	CW	(AB-J)
<b>MX</b>	5154	29-6	0938	Thu	Beacon P, Kaliningrad	CW	(ES)
<b>MX</b>	8821	30-6	1032	Fri	Marker S	CW	(ES)
<b>Q26</b>	9054	1-6	0835	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	7553	1-6	0909	Thu	Messages //9153 kHz	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9153	1-6	0909	Thu	Messages //7553 kHz	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4364	2-6	1132	Fri	Messages //8073 kHz	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	2-6	1132	Fri	Messages //4364 kHz	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	2-6	1142	Fri	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9054	2-6	1142	Fri	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	19981	4-6	0630	Sun	QIWX QIWX QIWU DE WSNX WSNX WSNX XYXYXYXYXY 6536 5229 3857 0482 4858 etc.	4+4 QPSK 75/3000 LSB	(EW)
<b>Q26</b>	19511	6-6	0600	Tue	QIWX QIWX QIWX DE WSNX WSNX WSNX XYXYXYXYXYXY HR GAE CY 2148 91 18 0606 1428 ...	4+4 QPSK 75/3000 LSB	(EW)
<b>Q26</b>	19981	7-6	0600	Wed	QIWX QIWX QIWX DE WSNX WSNX WSNX XYXYXYXYXYXY HR GA 2163 91 18 0607 1424 ...	4+4 QPSK 75/3000 LSB	(EW)
<b>Q26</b>	8073	11-6	1139	Sun	Messages	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	4243	11-6	1141	Sun	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	9054	11-6	1141	Sun	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	4364	13-6	1131	Tue	Messages //8073 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	8073	13-6	1131	Tue	Messages //4364 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	4243	13-6	1141	Tue	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	9054	13-6	1141	Tue	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	4243	15-6	1143	Thu	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	9054	15-6	1143	Thu	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	4364	21-6	1131	Wed	Messages //8073 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	8073	21-6	1131	Wed	Messages //4364 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	4243	21-6	1141	Wed	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>Q26</b>	9054	21-6	1141	Wed	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
<b>RAv</b>	11360	16-6	1435	Fri	Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) wkg 78805 reorting departure from Staraya Russa w/35 tons fuel.	USB	(RP-MD)
<b>RAv</b>	11360	16-6	1715	Fri	Proselok (Russian Air Force 566th Air Transport Regiment, Bry-	USB	(RP-MD)

					ansk) USB calling 76789 (IL-76MD) w/no response		
<b>RNv</b>	8439	16-6	2330	Fri	Chinara (Russian Pacific Fleet Naval Base, Strelok) radio checks with w/Palas (unid Pacific Fleet entity), Bozhara	USB	(RP-MD)
<b>RNv</b>	8439	16-6	2332	Fri	Greyder (Russian Pacific Fleet HQs, Vladivostok) USB wkg Firma requesting QSL for msg #9. Greyder QSL's for msg #9.	USB	(RP-MD)
<b>S06</b>	16022	2-6	0830	Fri	842 357 46 72604 ...	USB	(HFD)
<b>S06</b>	13925	2-6	0983	Fri	842 357 46 72604 ...	USB	(HFD)
<b>S06</b>	13944	7-6	1500	Wed	388 message 00000	USB	(GHn)
<b>S06</b>	13944	8-6	1500	Thu	387 569 41 55166 35005 26791 ... 99418 65791 98329 569 41 00000	USB	(AB/MPJ/ES/HFD)
<b>S06</b>	11496	8-6	1600	Thu	387 569 41 55166 35005 26791 ... 99418 65791 98329 569 41 00000	USB	(AB/ES/HFD)
<b>S06</b>	9943	16-6	2000	Fri	516 239 78 98684 39360 11214 ... 10843 28179 25576 239 78 00000	USB	(AB)
<b>S06</b>	7951	16-6	2100	Fri	516 239 78 98684 39360 11214 ... 10843 28179 25576 239 78 00000	USB	(AB)
<b>S06</b>	6801	17-6	1900	Sat	913 913 913 00000	USB	(AB)
<b>S06</b>	5931	17-6	2000	Sat	913 913 913 00000	USB	(AB)
<b>S06</b>	9953	17-6	2000	Sat	514 239 78 98684 39360 11214 ... 10843 28179 25576 239 78 00000 Restarted after 3rd group.	USB	(AB)
<b>S06</b>	7951	17-6	2100	Sat	514 239 78 98684 39360 11214 ... 10843 28179 25576 239 78 00000	USB	(AB)
<b>S06</b>	15721	22-6	0400	Thu	480 529 60 62280 ...	USB	(HFD-J)
<b>S06</b>	16022	22-6	0830	Thu	842 610 49 28741 63962 00801 ... 45574 08946 37689 610 49 00000	USB	(AB-J/ES)
<b>S06</b>	13925	22-6	0930	Thu	842 610 49 28741 63962 00801 ... 45574 08946 37689 610 49 00000	USB	(AB-J/ES)
<b>S06</b>	16022	29-6	0830	Thu	842 163 50 00594 86728 99782 ... 95538 75980 89954 163 50 00000	USB	(AB-J/ES-J)
<b>S06</b>	13925	29-6	0930	Thu	842 163 50 00594 86728 99782 ... 95538 75980 89954 163 50 00000	USB	(AB-J/ES-J)
<b>S06</b>	10755	29-6	1303	Thu	i.p. 975 78459 246 31 30126 36217 29891 ... 90763 46846 82459 246 31 00000. Errors and several restarts	USB	(ES)
<b>S06</b>	16022	30-6	0830	Fri	842 163 50 00594 86728 99782 ... 95538 75980 89954 163 50 00000	USB	(AB-J)
<b>S06</b>	13925	30-6	0930	Fri	842 163 50 00594 86728 99782 ... 95538 75980 89954 163 50 00000	USB	(AB-J)
<b>S06c</b>	14563	22-6	1432	Thu	i.p. 11190	USB	(ES)
<b>S06c</b>	14563	22-6	1435	Thu	11190	USB	(ES)
<b>S06s</b>	10290	2-6	0930	Fri	516 409 7 58672 72400 65520 34869 47985 85711 31047 409 7 00000	USB	(GHn)
<b>S06s</b>	12460	3-6	0800	Sat	254 891 6 10471 11141 84895 96075 81620 43611 891 6 00000	USB	(ES)
<b>S06s</b>	16320	4-6	0630	Sun	524 867 9 10471 11171 84895 96075 81620 43611 43110 747663 58715 867 9 00000	USB	(AB)
<b>S06s</b>	14875	4-6	0640	Sun	524 867 9 10471 11171 84895 96075 81620 43611 43110 747663 58715 867 9 00000	USB	(AB)
<b>S06s</b>	14835	5-6	0910	Mon	872 543 6 11647 67208 18945 71851 35408 46889 542 6 00000	USB	(ES)
<b>S06s</b>	12165	5-6	1210	Mon	831 476 5 72288 47352 77235 20141 80806 476 5 00000	USB	(MPJ)
<b>S06s</b>	15945	6-6	0600	Tue	438 976 5 10471 11141 84895 94076 81720 976 5 00000	USB	(AB)
<b>S06s</b>	16945	6-6	0610	Tue	438 976 5 10471 11141 84895 94076 81720 976 5 00000	USB	(AB/ES)
<b>S06s</b>	6780	6-6	0715	Tue	374 805 6 54921 95004 97644 59013 40142 08364 805 6 00000	USB	(AB)
<b>S06s</b>	7365	6-6	0730	Tue	427 806 5 31247 77177 24837 10439 20118 806 5 00000	USB	(AB)
<b>S06s</b>	11655	6-6	0740	Tue	427 806 5 31247 77177 24837 10439 20118 806 5 00000	USB	(AB)
<b>S06s</b>	14373	6-6	0800	Tue	352 869 7 22846 91941 94840 83693 11224 73559 42492 869 7 00000	USB	(AB)
<b>S06s</b>	12935	6-6	0810	Tue	352 869 7 22846 91941 94840 83693 11224 73559 42492 869 7 00000	USB	(AB)
<b>S06s</b>	4820	6-6	1000	Tue	893 257 6 79961 04322 16527 39305 17404 80333 257 6 00000	USB	(AB-UKR/ES)
<b>S06s</b>	5660	6-6	1010	Tue	893 257 6 79961 04322 16527 39305 17404 80333 257 6 00000	USB	(AB-UKR)
<b>S06s</b>	6810	6-6	1100	Tue	754 280 6 16216 57859 17913 45084 17782 81149 280 6 00000	USB	(AB-UKR)
<b>S06s</b>	7560	6-6	1110	Tue	754 280 6 16216 57859 17913 45084 17782 81149 280 6 00000	USB	(AB-UKR/MPJ)
<b>S06s</b>	6766	6-6	1500	Tue	537 240 6 18139 58718 32007 36759 92939 47480 240 6 00000	USB	(AB)
<b>S06s</b>	7744	6-6	1510	Tue	537 240 6 18139 58718 32007 36759 92939 47480 240 6 00000	USB	(AB/MPJ)
<b>S06s</b>	12110	7-6	0730	Wed	745 918 6 24625 35422 48502 12856 98433 82642 918 6 00000	USB	(AB)
<b>S06s</b>	14977	7-6	0740	Wed	745 918 6 24625 35422 48502 12856 98433 82642 918 6 00000	USB	(AB)
<b>S06s</b>	9485	7-6	0820	Wed	471 805 6 79961 04322 11224 73559 42492 07393 805 6 00000	USB	(AB)
<b>S06s</b>	11085	7-6	0830	Wed	471 805 6 79961 04322 11224 73559 42492 07393 805 6 00000	USB	(AB/ES)



S06s	11565	7-6	0830	Wed	464 829 5 35415 43943 93806 33149 07660 829 5 00000	USB	(AB/MPJ/ES)
S06s	12560	7-6	0840	Wed	464 829 5 35415 43943 93806 33149 07660 829 5 00000	USB	(AB/MPJ)
S06s	14580	7-6	1000	Wed	729 486 5 64245 47361 52548 34432 60298 486 5 00000	USB	(AB)
S06s	16020	7-6	1010	Wed	729 486 5 64245 47361 52548 34432 60298 486 5 00000	USB	(AB/MPJ)
S06s	9255	8-6	0930	Thu	314 865 7 61199 48353 76235 30141 90966 37700 37136 865 7 00000	USB	(AB)
S06s	10325	8-6	0940	Thu	314 865 7 61199 48353 76235 30141 90966 37700 37136 865 7 00000	USB	(AB/MPJ)
S06s	13145	8-6	1200	Thu	425 869 7 58762 72400 87815 53148 07393 98539 43324 869 7 00000	USB	(AB/MPJ)
S06s	14535	8-6	1210	Thu	425 869 7 58762 72400 87815 53148 07393 98539 43324 869 7 00000	USB	(AB/MPJ)
S06s	6844	9-6	0900	Fri	624 803 5 80333 81227 44276 63014 31021 803 5 00000	USB	(AB)
S06s	6844	9-6	0900	Fri	624 803 5 80333 81227 44276 63014 31021 803 5 00000	USB	(ES)
S06s	7161	9-6	0910	Fri	624 803 5 80333 81227 44276 63014 31021 803 5 00000	USB	(AB)
S06s	10290	9-6	0930	Fri	516 409 7 58672 72400 65520 34869 47985 85711 31047 409 7 00000	USB	(AB)
S06s	9655	9-6	0940	Fri	516 409 7 58672 72400 65520 34869 47985 85711 31047 409 7 00000	USB	(AB)
S06s	16320	11-6	0630	Sun	524 867 9 10471 11171 84895 96075 81620 43611 43110 747663 58715 867 9 00000	USB	(AB)
S06s	14875	11-6	0640	Sun	524 867 9 10471 11171 84895 96075 81620 43611 43110 747663 58715 867 9 00000	USB	(AB)
S06s	8221	12-6	0830	Mon	371 498 5 79961 05322 15627 39205 26202 498 5 00000	USB	(AB)
S06s	9353	12-6	0840	Mon	371 498 5 79961 05322 15627 39205 26202 498 5 00000	USB	(AB)
S06s	16380	12-6	0900	Mon	872 543 6 11647 67208 18945 71851 35408 46889 543 6 00000	USB	(AB)
S06s	14835	12-6	0910	Mon	872 543 6 11647 67208 18945 71851 35408 46889 543 6 00000	USB	(AB)
S06s	10230	12-6	1200	Mon	831 476 5 72288 47352 77235 20141 80806 476 5 00000	USB	(AB)
S06s	12165	12-6	1210	Mon	831 476 5 72288 47352 77235 20141 80806 476 5 00000	USB	(AB)
S06s	15945	13-6	0600	Tue	438 976 5 10471 11141 84895 94076 81720 976 5 00000	USB	(AB/ES)
S06s	16945	13-6	0610	Tue	438 976 5 10471 11141 84895 94076 81720 976 5 00000	USB	(AB)
S06s	7365	13-6	0730	Tue	427 806 5 31247 77177 24837 10439 20118 806 5 00000	USB	(AB)
S06s	11655	13-6	0740	Tue	427 806 5 31247 77177 24837 10439 20118 806 5 00000	USB	(AB)
S06s	14373	13-6	0800	Tue	352 869 7 22846 91941 94840 83693 11224 73559 42492 869 7 00000	USB	(AB)
S06s	12935	13-6	0810	Tue	352 869 7 22846 91941 94840 83693 11224 73559 42492 869 7 00000	USB	(AB)
S06s	4820	13-6	1000	Tue	893 257 6 79961 04322 16527 39305 17404 80333 257 6 00000	USB	(AB-UKR/ES)
S06s	5660	13-6	1010	Tue	893 257 6 79961 04322 16527 39305 17404 80333 257 6 00000	USB	(AB-UKR)
S06s	6810	13-6	1100	Tue	754 280 6 16216 57859 17913 45084 17782 81149 280 6 00000	USB	(AB-HNG)
S06s	7560	13-6	1110	Tue	754 280 6 16216 57859 17913 45084 17782 81149 280 6 00000	USB	(AB-HNG)
S06s	6766	13-6	1500	Tue	537 240 6 18139 58718 32007 36759 92939 47480 240 6 00000	USB	(AB-UKR)
S06s	7744	13-6	1510	Tue	537 240 6 18139 58718 32007 36759 92939 47480 240 6 00000	USB	(AB-UKR)
S06s	12110	14-6	0730	Wed	745 918 6 24625 35422 48502 12856 98433 82642 918 6 00000	USB	(AB)
S06s	14977	14-6	0740	Wed	745 918 6 24625 35422 48502 12856 98433 82642 918 6 00000	USB	(AB)
S06s	9485	14-6	0820	Wed	471 805 6 79961 04322 11224 73559 42492 07393 805 6 00000	USB	(AB)
S06s	11085	14-6	0830	Wed	471 805 6 79961 04322 11224 73559 42492 07393 805 6 00000	USB	(AB)
S06s	11565	14-6	0830	Wed	464 829 5 35415 43943 93806 33149 07660 829 5 00000	USB	(AB/ES)
S06s	12560	14-6	0840	Wed	464 829 5 35415 43943 93806 33149 07660 829 5 00000	USB	(AB)
S06s	14580	14-6	1000	Wed	729 486 5 64245 47361 52548 34432 60298 486 5 00000	USB	(AB)
S06s	16020	14-6	1010	Wed	729 486 5 64245 47361 52548 34432 60298 486 5 00000	USB	(AB/MPJ/ES)
S06s	9255	15-6	0930	Thu	314 570 6 38453 48324 33885 31830 34645 38914 570 6 00000	USB	(AB-HNG)
S06s	10325	15-6	0940	Thu	314 570 6 38453 48324 33885 31830 34645 38914 570 6 00000	USB	(AB)
S06s	13145	15-6	1200	Thu	425 801 6 32407 39976 43843 39801 35875 34807 801 6 00000	USB	(AB/MPJ/ES)
S06s	14535	15-6	1210	Thu	425 801 6 32407 39976 43843 39801 35875 34807 801 6 00000	USB	(AB/MPJ)
S06s	6844	16-6	0900	Fri	624 871 5 33760 46632 30233 36973 38084 871 5 00000	USB	(AB)
S06s	7161	16-6	0910	Fri	624 871 5 33760 46632 30233 36973 38084 871 5 00000	USB	(AB/MPJ)
S06s	10290	16-6	0930	Fri	516 274 8 34917 36991 38643 30996 35333 32537 42983 35751 274 8 00000	USB	(AB/MPJ)
S06s	9655	16-6	0940	Fri	516 274 8 34917 36991 38643 30996 35333 32537 42983 35751 274 8 00000	USB	(AB)
S06s	16320	18-6	0630	Sun	524 816 7 40372 36343 33365 97541 84517 48694 47423 816 7 00000	USB	(AB)
S06s	14875	18-6	0640	Sun	524 816 7 40372 36343 33365 97541 84517 48694 47423 816 7 00000	USB	(AB)
S06s	8221	19-6	0830	Mon	371 892 5 43334 30147 30794 43014 81051 892 5 00000	USB	(AB)
S06s	9353	19-6	0840	Mon	371 892 5 43334 30147 30794 43014 81051 892 5 00000	USB	(AB)

S06s	16380	19-6	0900	Mon	872 549 6 37830 31671 35401 34072 83030 32030 549 6 00000	USB	(AB)
S06s	14835	19-6	0910	Mon	872 549 6 37830 31671 35401 34072 83030 32030 549 6 00000	USB	(AB)
S06s	10230	19-6	1200	Mon	831 260 5 34806 32963 31716 81515 36420 260 5 00000	USB	(AB)
S06s	12165	19-6	1210	Mon	831 260 5 34806 32963 31716 81515 36420 260 5 00000	USB	(AB)
S06s	15945	20-6	0600	Tue	438 271 5 43475 35453 38083 36584 35194 271 5 00000	USB	(AB)
S06s	16945	20-6	0610	Tue	438 271 5 43475 35453 38083 36584 35194 271 5 00000	USB	(AB/ES)
S06s	5430	20-6	0700	Tue	374 905 6 30588 39344 37296 27378 40774 45983 905 6 00000	USB	(AB-UKR)
S06s	6780	20-6	0715	Tue	374 905 6 30588 39344 37296 27378 40774 45983 905 6 00000	USB	(AB-UKR)
S06s	7365	20-6	0730	Tue	427 508 6 30588 39344 37296 27378 44986 40385 508 6 00000	USB	(AB/ES)
S06s	11655	20-6	0740	Tue	427 508 6 30588 39344 37296 27378 44986 40385 508 6 00000	USB	(AB)
S06s	14373	20-6	0800	Tue	352 486 7 34917 46991 38643 30996 35333 32537 42983 486 7 00000	USB	(AB/ES)
S06s	12935	20-6	0810	Tue	352 486 7 34917 46991 38643 30996 35333 32537 42983 486 7 00000	USB	(AB)
S06s	4820	20-6	1000	Tue	893 254 6 46062 68672 97478 39685 39475 96632 254 6 00000	USB	(AB-UKR/ES)
S06s	5660	20-6	1010	Tue	893 254 6 46062 68672 97478 39685 39475 96632 254 6 00000	USB	(AB-UKR)
S06s	6810	20-6	1100	Tue	754 296 8 52401 63919 92699 14600 74248 48754 65125 41879 296 8 00000	USB	(AB-HNG)
S06s	7560	20-6	1110	Tue	754 296 8 52401 63919 92699 14600 74248 48754 65125 41879 296 8 00000	USB	(AB-HNG)
S06s	6766	20-6	1500	Tue	537 264 8 33760 46632 30233 36973 38084 38836 32441 48658 264 8 00000	USB	(AB-UKR)
S06s	7744	20-6	1510	Tue	537 264 8 33760 46632 30233 36973 38084 38836 32441 48658 264 8 00000	USB	(AB-UKR)
S06s	12110	21-6	0730	Wed	745 932 6 08631 58082 37270 08982 92728 26090 932 6 00000	USB	(AB)
S06s	14977	21-6	0740	Wed	745 932 6 08631 58082 37270 08982 92728 26090 932 6 00000	USB	(AB)
S06s	9485	21-6	0820	Wed	471 852 6 41716 50801 40123 69856 47154 25660 852 6 00000	USB	(AB)
S06s	11085	21-6	0830	Wed	471 852 6 41716 50801 40123 69856 47154 25660 852 6 00000	USB	(AB/ES)
S06s	11565	21-6	0830	Wed	464 205 7 69856 82541 98423 79033 15452 10002 08973 205 7 00000	USB	(AB/ES)
S06s	12560	21-6	0840	Wed	464 205 7 69856 82541 98423 79033 15452 10002 08973 205 7 00000	USB	(AB)
S06s	14580	21-6	1000	Wed	729 483 5 11169 03439 43548 19152 23063 483 5 00000	USB	(AB)
S06s	16020	21-6	1010	Wed	729 483 5 11169 03439 43548 19152 23063 483 5 00000	USB	(AB)
S06s	9255	22-6	0930	Thu	314 570 6 38453 48324 33885 31830 34645 38914 570 6 00000	USB	(AB-UKR)
S06s	10325	22-6	0940	Thu	314 570 6 38453 48324 33885 31830 34645 38914 570 6 00000	USB	(AB)
S06s	13145	22-6	1200	Thu	425 801 6 32407 39976 43843 39801 35875 34807 801 6 00000	USB	(AB/MPJ/ES)
S06s	14535	22-6	1210	Thu	425 801 6 32407 39976 43843 39801 35875 34807 801 6 00000	USB	(AB/MPJ)
S06s	6844	23-6	0900	Fri	624 871 5 33760 46632 30233 36973 38084 871 5 00000	USB	(AB)
S06s	7161	23-6	0910	Fri	624 871 5 33760 46632 30233 36973 38084 871 5 00000	USB	(AB)
S06s	10290	23-6	0930	Fri	516 274 8 34917 36991 38643 30996 35333 32537 42983 35751 274 8 00000	USB	(AB-AUT)
S06s	9655	23-6	0940	Fri	516 274 8 34917 36991 38643 30996 35333 32537 42983 35751 274 8 00000	USB	(AB)
S06s	8221	26-6	0830	Mon	371 892 5 43334 30147 30794 43014 81051 892 5 00000	USB	(AB)
S06s	9353	26-6	0840	Mon	371 892 5 43334 30147 30794 43014 81051 892 5 00000	USB	(AB)
S06s	16380	26-6	0900	Mon	872 549 6 37830 31671 35401 34072 83030 32030 549 6 00000	USB	(AB)
S06s	14835	26-6	0910	Mon	872 549 6 37830 31671 35401 34072 83030 32030 549 6 00000	USB	(AB)
S06s	10230	26-6	1200	Mon	831 260 5 34806 32963 31716 81515 36420 260 5 00000	USB	(AB)
S06s	12165	26-6	1210	Mon	831 260 5 34806 32963 31716 81515 36420 260 5 00000	USB	(AB)
S06s	15945	27-6	0600	Tue	438 271 5 43475 35453 38083 36584 35194 271 5 00000	USB	(AB)
S06s	16945	27-6	0610	Tue	438 271 5 43475 35453 38083 36584 35194 271 5 00000	USB	(AB/ES)
S06s	5430	27-6	0700	Tue	374 905 6 30588 39344 37296 27378 40774 45983 905 6 00000	USB	(AB-UKR/ES-POL)
S06s	6780	27-6	0715	Tue	374 905 6 30588 39344 37296 27378 40774 45983 905 6 00000	USB	(AB-UKR)
S06s	7365	27-6	0730	Tue	427 508 6 30588 39344 37296 27378 44986 40385 508 6 00000	USB	(AB/ES)
S06s	11655	27-6	0740	Tue	427 508 6 30588 39344 37296 27378 44986 40385 508 6 00000	USB	(AB)
S06s	14373	27-6	0800	Tue	352 486 7 34917 46991 38643 30996 35333 32537 42983 486 7 00000	USB	(AB/ES)
S06s	12935	27-6	0810	Tue	352 486 7 34917 46991 38643 30996 35333 32537 42983 486 7 00000	USB	(AB)
S06s	4820	27-6	1000	Tue	893 254 6 46062 68672 97478 39685 39475 96632 254 6 00000	USB	(AB-UKR/ES-POL)
S06s	5660	27-6	1010	Tue	893 254 6 46062 68672 97478 39685 39475 96632 254 6 00000	USB	(AB-UKR/PW2)
S06s	6810	27-6	1100	Tue	754 296 8 52401 63919 92699 14600 74248 48754 65125 41879 296 8 00000	USB	(AB-HNG)

S06s	7560	27-6	1110	Tue	754 296 8 52401 63919 92699 14600 74248 48754 65125 41879 296 8 00000	USB	(AB-HNG/ES)
S06s	6766	27-6	1500	Tue	537 264 8 33760 46632 30233 36973 38084 38836 32441 48658 264 8 00000	USB	(AB-HNG)
S06s	7744	27-6	1510	Tue	537 264 8 33760 46632 30233 36973 38084 38836 32441 48658 264 8 00000	USB	(AB-HNG/ES-RUS)
S06s	12110	28-6	0730	Wed	745 932 6 08631 58082 37270 08982 92728 26090 932 6 00000	USB	(AB/ES)
S06s	14977	28-6	0740	Wed	745 932 6 08631 58082 37270 08982 92728 26090 932 6 00000	USB	(AB)
S06s	9485	28-6	0820	Wed	471 852 6 41716 50801 40123 69856 47154 25660 852 6 00000	USB	(AB)
S06s	11085	28-6	0830	Wed	471 852 6 41716 50801 40123 69856 47154 25660 852 6 00000	USB	(AB/ES)
S06s	11565	28-6	0830	Wed	464 205 7 69856 82541 98423 79033 15452 10002 08973 205 7 00000	USB	(AB/ES)
S06s	12560	28-6	0840	Wed	464 205 7 69856 82541 98423 79033 15452 10002 08973 205 7 00000	USB	(AB)
S06s	14580	28-6	1000	Wed	729 483 5 11169 03439 43548 19152 23063 483 5 00000	USB	(AB/MPJ/ES)
S06s	16020	28-6	1010	Wed	729 483 5 11169 03439 43548 19152 23063 483 5 00000	USB	(AB)
S06s	9255	29-6	0930	Thu	314 314 314 00000	USB	(AB/MPJ/ES)
S06s	10325	29-6	0940	Thu	314 314 314 00000	USB	(AB/MPJ)
S06s	13145	29-6	1200	Thu	425 425 425 00000	USB	(AB/MPJ/ES)
S06s	14535	29-6	1209	Thu	425 425 425 00000 Early start	USB	(AB/MPJ)
S06s	6844	30-6	0900	Fri	624 624 624 00000	USB	(AB/MPJ)
S06s	7161	30-6	0910	Fri	624 624 624 00000	USB	(AB/MPJ)
S06s	10290	30-6	0930	Fri	516 516 516 00000	USB	(AB/MPJ)
S06s	9655	30-6	0940	Fri	516 516 516 00000	USB	(AB/MPJ)
S11a	5149	6-6	0455	Tue	320/35 Vnimanaye 15848 81348 86461 ... 76009 20854 05197 Vnimanaye, rpt msg, konets	USB	(AB/ES)
S11a	8530	6-6	0915	Tue	483/33 Vnimanaye 70493 31486 74153 ... 69987 40858 45907 Vnimanaye, rpt msg, konets	USB	(AB/ES)
S11a	8800	6-6	1020	Tue	429/00	USB	(AB/MPJ)
S11a	11092	7-6	1540	Wed	561/00	USB	(AB/MPJ)
S11a	12457	7-6	1850	Wed	281/00	USB	(MPJ)
S11a	4870	7-6	1955	Wed	372/00	USB	(AB/MPJ)
S11a	10210	8-6	1015	Thu	475/00	USB	(AB)
S11a	5149	9-6	0455	Fri	320/35 Vnimanaye 15848 81348 86461 ... 76009 20854 05197 Vnimanaye, rpt msg, konets	USB	(AB/ES)
S11a	8530	9-6	0915	Fri	483/33 Vnimanaye 70493 31486 74153 ... 69987 40858 45907 Vnimanaye, rpt msg, konets	USB	(AB/ES)
S11a	8800	9-6	1020	Fri	425/00	USB	(AB/MPJ)
S11a	4870	9-6	1955	Fri	378/00	USB	(AB/MPJ)
S11a	11092	10-6	1540	Sat	565/00	USB	(AB/MPJ)
S11a	12457	10-6	1850	Sat	285/00	USB	(AB)
S11a	10210	12-6	1015	Mon	471/33 Vnimanaye 43592 47646 57513 ... 75924 35785 90824 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	5149	13-6	0455	Tue	320/00	USB	(AB/ES)
S11a	8530	13-6	0915	Tue	483/00	USB	(AB)
S11a	8800	13-6	1020	Tue	424/30 Vnimanaye 32551 79709 01239 ... 37618 67933 76959 Vnimanaye, rpt msg, konets	USB	(AB/MPJ/ES)
S11a	11092	14-6	1540	Wed	560/00	USB	(MPJ)
S11a	12457	14-6	1850	Wed	287/38 Vnimanaye 42753 39064 59493 ... 68949 35271 62259 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	4870	14-6	1955	Wed	378/32 Vnimanaye 24567 62530 89649 ... 84208 71081 00104 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	10210	15-6	1015	Thu	471/33 Vnimanaye 43592 47646 57513 ... 75924 35785 90824 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	5149	16-6	0455	Fri	322/00	USB	(AB/ES)
S11a	8530	16-6	0915	Fri	484/00	USB	(AB/MPJ)
S11a	8800	16-6	1020	Fri	424/30 Vnimanaye 32551 79709 01239 ... 37618 67933 76959 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	4870	16-6	1955	Fri	378/32 Vnimanaye 24567 62530 89649 ... 84208 71081 00104 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	11092	17-6	1540	Sat	563/00	USB	(AB/MPJ)
S11a	12457	17-6	1850	Sat	287/38 Vnimanaye 42753 39064 59493 ... 68949 35271 62259 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	10210	19-6	1015	Mon	475/00	USB	(AB)
S11a	5149	20-6	0455	Tue	328/00	USB	(AB/ES)
S11a	8530	20-6	0915	Tue	486/00	USB	(AB/ES)
S11a	8800	20-6	1020	Tue	429/00	USB	(AB/ES)

<b>S11a</b>	11092	21-6	1540	Wed	560/36 Vnimanaye 03425 43920 69439 ... 28672 78295 31588 Vnimabiye, rpt msg, konets	USB	(AB)
<b>S11a</b>	12457	21-6	1850	Wed	280/00	USB	(AB/MPJ)
<b>S11a</b>	4870	21-6	1955	Wed	378/00	USB	(AB/MPJ)
<b>S11a</b>	10210	22-6	1015	Thu	478/00	USB	(AB/ES)
<b>S11a</b>	5149	23-6	0455	Fri	322/00	USB	(AB/ES)
<b>S11a</b>	8530	23-6	0915	Fri	480/00	USB	(AB)
<b>S11a</b>	8800	23-6	1020	Fri	422/00	USB	(AB/ES)
<b>S11a</b>	4870	23-6	1955	Fri	373/00	USB	(AB/MPJ)
<b>S11a</b>	11092	24-6	1540	Sat	560/36 Vnimanaye 03425 43920 69439 ... 28672 78295 31588 Vnimabiye, rpt msg, konets	USB	(AB)
<b>S11a</b>	12457	24-6	1850	Sat	280/00	USB	(AB/ES)
<b>S11a</b>	10210	26-6	1015	Mon	478/00	USB	(AB/MPJ)
<b>S11a</b>	12153	26-6	1830	Mon	389/00	USB	(AB/MPJ)
<b>S11a</b>	5149	27-6	0455	Tue	329/00	USB	(AB/ES)
<b>S11a</b>	8530	27-6	0915	Tue	483/00	USB	(AB/ES)
<b>S11a</b>	8800	27-6	1020	Tue	426/00	USB	(AB/MPJ)
<b>S11a</b>	11092	28-6	1540	Wed	565/00	USB	(AB)
<b>S11a</b>	10210	29-6	1015	Thu	470/00	USB	(AB/ES)
<b>S11a</b>	5149	30-6	0455	Fri	325/00	USB	(AB/ES)
<b>S11a</b>	8530	30-6	0915	Fri	484/00	USB	(AB)
<b>S11a</b>	8800	30-6	1020	Fri	427/00	USB	(AB/MPJ/ES)
<b>S11a</b>	4870	30-6	1955	Fri	373/00	USB	(AB/MPJ)
<b>S25</b>	13883	1-6	0230	Thu	i.p. 104 104 104 23384 23384 11111 11111 00000 00000	USB	(KAL2)
<b>S25</b>	19891	1-6	1035	Thu	054 054 054 82248 82248 (R4m)	USB	(Danix)
<b>S25</b>	19891	1-6	1039	Thu	054 054 054 80798 80798 (R4m)	USB	(Danix)
<b>S25</b>	17502	1-6	1045	Thu	054 054 054 93338 93338 (R4m)	USB	(Danix)
<b>S25</b>	17502	1-6	1049	Thu	054 054 054 89208 89208 (R4m)	USB	(Danix)
<b>S25</b>	17502	1-6	1053	Thu	54 054 054 00000 00000	USB	(Danix)
<b>S28</b>	4625	5-6	0736	Mon	ZhUOZ 74700 BORNOHLYeB 02528085	USB	(Priyom)
<b>S28</b>	4625	5-6	0739	Mon	ZhUOZ 23958 BYKOMHAT 73344123	USB	(Priyom)
<b>S28</b>	4625	5-6	1100	Mon	ZhUOZ 32935 ZhMOTOFON 38517289 GIDROLOG 23699449	USB	(Priyom)
<b>S5292</b>	3240	6-6	2111	Tue	Channel marker D	USB	(AB)
<b>S5292</b>	3240	12-6	1936	Mon	Channel marker D	USB	(AB)
<b>SDN</b>	21000	5-6	1719	Mon	MFA Khartoum, wkg Sudanese embassy in Yemen	USB	(AnEur)
<b>SDN</b>	21000	5-6	1723	Mon	MFA Khartoum, message to Sudanese embassy in Yemen	Pactor-I	(AnEur)
<b>UM03</b>	7920	1-6	0902	Thu	i.p. AR 11 11 CK 100 CK 100 TIME 1603 TIME 1603 DATE 0106 DATE 0106 = U7D45 D43A. ... //8250 and 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8250	1-6	0902	Thu	i.p. AR 11 11 CK 100 CK 100 TIME 1603 TIME 1603 DATE 0106 DATE 0106 = U7D45 D43A. ... //8920 and 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8410	1-6	0902	Thu	i.p. AR 11 11 CK 100 CK 100 TIME 1603 TIME 1603 DATE 0106 DATE 0106 = U7D45 D43A. ... //7920 and 8250 kHz	CW	(JPL-CHN)
<b>UM03</b>	7920	13-6	0918	Tue	17 17 CK 100 CK 100 TME 1617 TIME 1617 DATE 1306 DATE 1306 = NT6U5 3NT6U T6374 U7D45 ... //8250 and 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8250	13-6	0918	Tue	17 17 CK 100 CK 100 TME 1617 TIME 1617 DATE 1306 DATE 1306 = NT6U5 3NT6U T6374 U7D45 ... //7920 and 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8410	13-6	0918	Tue	17 17 CK 100 CK 100 TME 1617 TIME 1617 DATE 1306 DATE 1306 = NT6U5 3NT6U T6374 U7D45 ... //7920 and 8250 kHz	CW	(JPL-CHN)
<b>UM03</b>	7750	15-6	1009	Thu	i.p. 7N6AN A5A34 6AAT6 46D36 4UNTN 6N5TA ...	CW	(JPL-NZL)
<b>UM03</b>	7920	20-6	0724	Tue	i.p. CQ (x3) DE X2M (x2) VVV (x3) MSG MSG ENG ENG 01 01 CK 100 CK 100 TIME 1456 TIME 1456 DATE 2006 DATE 2006 = //8250 and 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8250	20-6	0724	Tue	i.p. CQ (x3) DE X2M (x2) VVV (x3) MSG MSG ENG ENG 01 01 CK 100 CK 100 TIME 1456 TIME 1456 DATE 2006 DATE 2006 = //7920 and 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8410	20-6	0724	Tue	i.p. CQ (x3) DE X2M (x2) VVV (x3) MSG MSG ENG ENG 01 01 CK 100 CK 100 TIME 1456 TIME 1456 DATE 2006 DATE 2006 = //7920 and 8250 kHz	CW	(JPL-CHN)
<b>UM03</b>	6710	23-6	1022	Fri	i.p. RJWL THYVU D.XNJ HJBIG GZFPE DZROR (cont'd) AR 7G	CW	(JPL-HK)
<b>UM03</b>	7920	24-6	0831	Sat	i.p. CQ DE X2M MSG MSG ENG ENG MSG ENG 0. ... CK 100 CK 100 TIME 1... TIME .... DATE 2406 DATE 2406 = T.TNC LNCFU PRGJC (Cont'd)	CW	(JPL-Sib)
<b>UM03</b>	8250	24-6	0831	Sat	i.p. CQ DE X2M MSG MSG ENG ENG MSG ENG 0. ... CK 100 CK 100 TIME 1... TIME .... DATE 2406 DATE 2406 = T.TNC LNCFU PRGJC (Cont'd)	CW	(JPL-Sib)
<b>UM03</b>	8410	24-6	0831	Sat	i.p. CQ DE X2M MSG MSG ENG ENG MSG ENG 0. ... CK 100 CK 100 TIME 1... TIME .... DATE 2406 DATE 2406 = T.TNC LNCFU PRGJC	CW	(JPL-Sib)

					(Cont'd)					
UM03	7920	27-6	0846	Tue	X2M i.p. AR 05 05 CK 100 CK 100 TIME 1545 TIME 1545 DATE 2706 DAE 2706 = T.734 .3NT6 (Cont'd) //8250 and 8410 kHz	CW		(JPL-HK)		
UM03	8250	27-6	0846	Tue	X2M i.p. AR 05 05 CK 100 CK 100 TIME 1545 TIME 1545 DATE 2706 DAE 2706 = T.734 .3NT6 (Cont'd) //7920 and 8410 kHz	CW		(JPL-HK)		
UM03	8410	27-6	0846	Tue	X2M i.p. AR 05 05 CK 100 CK 100 TIME 1545 TIME 1545 DATE 2706 DAE 2706 = T.734 .3NT6 (Cont'd) //7920 and 8250 kHz	CW		(JPL-HK)		
UM03	5650	29-6	1206	Thu	i.p. NR 08742 NR 08742 K K CK 30 CK 30 = EKPHX XOKGB YPEGL LCIEA CYBIK ...	CW		(JPL-NZL)		
UM10	3568	7-6	1455	Wed	10-mins net: NZO6 //4067 kHz	CW		(JPL-NZL)		
UM10	4067	7-6	1455	Wed	10-mins net: NZO6 //3568 kHz	CW		(JPL-NZL)		
UM10	3568	9-6	1750	Fri	10-mins net: NZO6 //4065 kHz	CW		(JPL-NZL)		
UM10	4065	9-6	1750	Fri	10-mins net: NZO6 //3568 kHz	CW		(JPL-NZL)		
UM10	3568	12-6	1257	Mon	10-mins net: NZO6 //4065 kHz	CW		(JPL-NZL)		
UM10	4065	12-6	1257	Mon	10-mins net: NZO6 //3568 kHz	CW		(JPL-NZL)		
UM10	3568	13-6	1623	Tue	10-mins net: NZO6 //4065 kHz	CW		(JPL-NZL)		
UM10	4065	13-6	1623	Tue	10-mins net: NZO6 //3568 kHz	CW		(JPL-NZL)		
UM10	6203	15-6	1021	Thu	10-mins net: RVOX //7378 kHz	CW		(JPL-NZL)		
UM10	7378	15-6	1021	Thu	10-mins net: RVOX //6203 kHz	CW		(JPL-NZL)		
UM10	3568	15-6	1753	Thu	10-mns net: NZO6 //4065 kHz	CW		(JPL-NZL)		
UM10	4065	15-6	1753	Thu	10-mns net: NZO6 //3568 kHz	CW		(JPL-NZL)		
UM10	4065	24-6	1252	Sat	10-mins net: NZO6	CW		(JPL-CHN)		
UM10	4065	25-6	1256	Sun	10-mins net: NZO6	CW		(JPL-NZL)		
UM10	3568	27-6	1856	Tue	10-mins net: NZO6 //4065 kHz	CW		(JPL-CHN)		
UM10	4065	27-6	1856	Tue	10-mins net: NZO6 //3568 kHz	CW		(JPL-CHN)		
V07	12182	4-6	0700	Sun	112 112 112 000	USB		(Dan/HFD)		
V07	11182	4-6	0720	Sun	112 112 112 000	USB		(Dan/HFD)		
V07	12182	11-6	0700	Sun	112 1 324 49 94537 10268 91770 ... 97456 42959 62267 000 000	USB		(Danix-USA)		
V07	11182	11-6	0720	Sun	112 1 324 49 94537 10268 91770 ... 97456 42959 62267 000 000	USB		(Danix-USA)		
V07	10282	11-6	0740	Sun	112 1 324 49 94537 10268 91770 ... 97456 42959 62267 000 000	USB		(Danix-USA)		
V07	12182	18-6	0700	Sun	112 112 112 000	USB		(AB-J)		
V07	11182	18-6	0720	Sun	112 112 112 000	USB		(AB-J)		
V07	10256	21-6	1129	Wed	i.p. with a different voice	USB		(KK2)		
V07	12182	25-6	0700	Sun	112 1 722 61 48235 53732 93220 ... 71889 70517 51697 000 000	USB		(AB-J/Dan)		
V07	11182	25-6	0720	Sun	112 1 722 61 48235 53732 93220 ... 71889 70517 51697 000 000	USB		(AB-J/Dan)		
V07	10282	25-6	0740	Sun	112 1 722 61 48235 53732 93220 ... 71889 70517 51697 000 000	USB		(AB-J/Dan)		
V13	11430	12-6	0500	Mon	New Star Broadcasting Station	AM		(AB-J)		
V13	11430	12-6	0600	Mon	New Star Broadcasting Station	AM		(AB-J)		
V13	15388	12-6	0700	Mon	New Star Broadcasting Station	AM		(AB-J)		
V13	15388	12-6	0800	Mon	New Star Broadcasting Station	AM		(AB-J)		
V13	11430	15-6	0500	Thu	New Star Broadcasting Station	AM		(AB-J)		
V13	11430	15-6	0600	Thu	New Star Broadcasting Station	AM		(AB-J)		
V13	15388	15-6	0700	Thu	New Star Broadcasting Station	AM		(AB-J)		
V13	15388	16-6	0700	Fri	New Star Broadcasting Station	AM		(AB-J)		
V13	15388	16-6	0800	Fri	New Star Broadcasting Station	AM		(AB-J)		
V13	15388	18-6	0700	Sun	New Star Broadcasting Station	AM		(AB-J)		
V13	15388	18-6	0800	Sun	New Star Broadcasting Station	AM		(AB-J)		
V13	11430	21-6	0600	Wed	New Star Broadcasting Station	AM		(AB-J)		
V13	11430	25-6	0609	Sun	New Star Broadcasting Station i.p.	AM		(AB-J)		
V13	9725	27-6	1200	Tue	New Star Broadcasting Station	AM		(AB-J)		
V13	9725	27-6	1300	Tue	New Star Broadcasting Station	AM		(AB-J)		
V13	11430	28-6	0600	Wed	New Star Broadcasting Station	AM		(AB-J)		
V13	9725	28-6	1200	Wed	New Star Broadcasting Station	AM		(AB-J)		
V13	9725	28-6	1300	Wed	New Star Broadcasting Station	AM		(AB-J)		
V24	5900	18-6	1600	Sun	Music followed by numbers message in Korean	AM		(AB-J)		
V24	5715	19-6	1500	Mon	Music followed by Korean numbers	AM		(AB-J)		
V24	4900	27-6	1530	Tue	Music followed by Korean numbers	AM		(AB-J)		
V26	4243	2-6	1202	Fri	Messages in Chinese //9054 kHz	USB		(JPL)		
V26	9054	2-6	1202	Fri	Messages in Chinese //4243 kHz	USB		(JPL)		
V26	4243	5-6	1203	Mon	Messages in Chinese. Female operator //9054 kHz	USB		(JPL-CHN)		
V26	9054	5-6	1203	Mon	Messages in Chinese. Female operator //4243 kHz	USB		(JPL-CHN)		
V26	4364	5-6	1204	Mon	Messages in Chinese. Male operator //8073 kHz	USB		(JPL-CHN)		
V26	8073	5-6	1204	Mon	Messages in Chinese. Male operator //4364 kHz	USB		(JPL-CHN)		
V26	8073	11-6	1157	Sun	Messages in Chinese. Female operator	USB		(JPL-NZL)		
V26	9054	12-6	2358	Mon	Messages in Chinese. Female operator	USB		(JPL-CHN)		
V26	4243	15-6	1206	Thu	Messages in Chinese. Female operator //9054 kHz	USB		(JPL-NZL)		
V26	9054	15-6	1206	Thu	Messages in Chinese. Female operator //4243 kHz	USB		(JPL-NZL)		



V26	4243	21-6	1138	Wed	Callup in Chinese. Female operator //9054 kHz	USB	(JPL-NZL)
V26	9054	21-6	1138	Wed	Callup in Chinese. Female operator //4243 kHz	USB	(JPL-NZL)
V26	8073	22-6	0020	Thu	Messages in Chinese. Male operator	USB	(JPL-CHN)
V26	4243	29-6	1255	Thu	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-NZL)
V26	9054	29-6	1255	Thu	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-NZL)
VC01	5037	27-6	1455	Tue	Chinese Robot	USB	(JPL-J)
VC01	5037	27-6	1550	Tue	Chinese Robot	USB	(AB-J)
VC01	5037	29-6	1300	Thu	Chinese Robot	USB	(AB)
X06	9128	2-6	2027	Fri	Mazielka. Sequence: 164253	MFSK-6	(Phi)
X06	16188	6-6	1202	Tue	Mazielka. Sequence: 325614	MFSK-6	(ES)
X06	14419	8-6	0804	Thu	Mazielka i.p. Sequence: 521634	MFSK-6	(ES)
X06	14459	8-6	0804	Thu	Mazielka. Sequence: 521634	MFSK-6	(ES)
X06	13575	9-6	1004	Fri	Mazielka i.p. Sequence: 615243	MFSK-6	(ES)
X06	16116	14-6	0907	Wed	Mazielka i.p. Sequence: 134265	MFSK-6	(ES)
X06	15973	15-6	0732	Thu	Mazielka i.p. Sequence: 162543	MFSK-6	(ES)
X06	12112	20-6	0643	Tue	Mazielka. Sequence: 165324	MFSK-6	(ES)
X06	18206	20-6	0934	Tue	Mazielka. Sequence: 246531	MFSK-6	(ES)
X06	15687	20-6	1005	Tue	Mazielka. Sequence: 154263	MFSK-6	(ES)
X06	13401	20-6	1302	Tue	Mazielka. Sequence: 154263	MFSK-6	(ES)
X06	14650	21-6	1102	Wed	Mazielka i.p. Sequence: 215346	MFSK-6	(ES)
X06	15828	23-6	1004	Fri	Mazielka. Sequence: 256134	MFSK-6	(ES)
X06	16116	28-6	0902	Wed	Mazielka. Sequence: 134265	MFSK-6	(ES)
X06	13985	28-6	0934	Wed	Mazielka. Sequence: 134265	MFSK-6	(ES)
X06b	15884	8-6	1806	Thu	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14984	8-6	1807	Thu	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14384	8-6	1810	Thu	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14984	8-6	1811	Thu	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14984	13-6	1814	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	15884	13-6	1815	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	15884	13-6	1820	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	14984	13-6	1822	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	15884	13-6	1823	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	14738	13-6	2036	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(AB)
X06b	13438	18-6	1957	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14538	18-6	1958	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	13438	18-6	2001	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14538	18-6	2002	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	13438	18-6	2011	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14538	18-6	2012	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14984	20-6	1811	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	15884	20-6	1812	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	14984	20-6	1813	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	15884	20-6	1814	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	15884	22-6	1752	Thu	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	14984	22-6	1753	Thu	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
X06b	15884	22-6	1754	Thu	Mazielka. Sequence: 1--6--	MFSK-6	(Dan)
XPA	11409	7-6	0600	Wed	456 1 00883 00181 55034 ... 79632 76651 56010	MFSK-20/16Bd	(AB/HFD)
XPA	13509	7-6	0620	Wed	456 1 00883 00181 55034 ... 79632 76651 56010	MFSK-20/16Bd	(AB/HFD)
XPA	14609	7-6	0640	Wed	456 1 00883 00181 55034 ... 79632 76651 56010	MFSK-20/16Bd	(AB/HFD)
XPA	11409	10-6	0600	Sat	456 1 00883 00181 55034 ... 79632 76651 56010	MFSK-20/16Bd	(AB)
XPA	13509	10-6	0620	Sat	456 1 00883 00181 55034 ... 79632 76651 56010	MFSK-20/16Bd	(AB)
XPA	14609	10-6	0640	Sat	456 1 00883 00181 55034 ... 79632 76651 56010	MFSK-20/16Bd	(AB)
XPA	11409	14-6	0600	Wed	456 1 02983 00109 00754 ... 14751 00221 04007	MFSK-20/16Bd	(AB)
XPA	13509	14-6	0620	Wed	456 1 02983 00109 00754 ... 14751 00221 04007	MFSK-20/16Bd	(AB)
XPA	14609	14-6	0640	Wed	456 1 02983 00109 00754 ... 14751 00221 04007	MFSK-20/16Bd	(AB)
XPA	11409	17-6	0600	Sat	456 1 00883 00181 55034 ... 79632 76651 56010	MFSK-20/16Bd	(AB)
XPA	13509	17-6	0620	Sat	456 1 00883 00181 55034 ... 79632 76651 56010	MFSK-20/16Bd	(AB)
XPA	14609	17-6	0640	Sat	456 1 00883 00181 55034 ... 79632 76651 56010	MFSK-20/16Bd	(AB)
XPA	11409	21-6	0600	Wed	456 456 456 000 02412 00001 00000 10140	MFSK-20/16Bd	(AB)
XPA	13509	21-6	0620	Wed	456 456 456 000 02412 00001 00000 10140	MFSK-20/16Bd	(AB)
XPA	14609	21-6	0640	Wed	456 456 456 000 02412 00001 00000 10140	MFSK-20/16Bd	(AB)
XPA	11409	24-6	0600	Sat	456 456 456 000 09203 00001 00000 10140	MFSK-20/16Bd	(AB)
XPA	13509	24-6	0620	Sat	456 456 456 000 09203 00001 00000 10140	MFSK-20/16Bd	(AB)
XPA	14609	24-6	0640	Sat	456 456 456 000 09203 00001 00000 10140	MFSK-20/16Bd	(AB)
XPA	11409	28-6	0600	Wed	456 456 456 000 09009 00001 00000 10140	MFSK-20/16Bd	(AB)
XPA	13509	28-6	0620	Wed	456 456 456 000 09009 00001 00000 10140	MFSK-20/16Bd	(AB)
XPA	14609	28-6	0640	Wed	456 456 456 000 09009 00001 00000 10140	MFSK-20/16Bd	(AB)

XPA2	15884	1-6	1900	Thu	06050 00001 00000 10140	MFSK-16/20Bd	(AnEur)
XPA2	14984	1-6	1920	Thu	06050 00001 00000 10140	MFSK-16/20Bd	(GHn)
XPA2	14384	1-6	1940	Thu	06050 00001 00000 10140	MFSK-16/20Bd	(AnEur)
XPA2	16167	2-6	2100	Fri	07784 00137 72798 ... 72802 38169 66573	MFSK-16/20Bd	(RL)
XPA2	14663	2-6	2120	Fri	07784 00137 72798 ... 72802 38169 66573	MFSK-16/20Bd	(AB)
XPA2	13923	2-6	2140	Fri	07784 00137 72798 ... 72802 38169 66573	MFSK-16/20Bd	(dmhz)
XPA2	13438	4-6	2120	Sun	02116 00001 00000 10140	MFSK-16/20Bd	(RL/HFD)
XPA2	12138	4-6	2140	Sun	02116 00001 00000 10140	MFSK-16/20Bd	(HFD)
XPA2	19514	6-6	0700	Tue	08778 00163 78580 ... 80794 04429 06721	MFSK-16/20Bd	(AB)
XPA2	18214	6-6	0720	Tue	08778 00163 78580 ... 80794 04429 06721	MFSK-16/20Bd	(AB)
XPA2	16314	6-6	0740	Tue	08778 00163 78580 ... 80794 04429 06721	MFSK-16/20Bd	(AB)
XPA2	15884	6-6	1900	Tue	02152 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/RL/H FD)
XPA2	14984	6-6	1920	Tue	02152 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/RL/H FD)
XPA2	14384	6-6	1940	Tue	02152 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/RL/H FD)
XPA2	14738	6-6	2100	Tue	05692 00001 00000 10140	MFSK-16/20Bd	(AB/RL)
XPA2	13438	6-6	2120	Tue	05692 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12138	6-6	2140	Tue	05692 00001 00000 10140	MFSK-16/20Bd	(AB/RL)
XPA2	15884	8-6	1900	Thu	02656 00001 00000 10140	MFSK-16/20Bd	(AB/GHn/MPJ /Dan)
XPA2	14984	8-6	1920	Thu	02656 00001 00000 10140	MFSK-16/20Bd	(AB/RL/MPJ/D an)
XPA2	14384	8-6	1940	Thu	02656 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	19514	9-6	0700	Fri	08778 00163 78580 ... 80794 04429 06721	MFSK-16/20Bd	(AB)
XPA2	18214	9-6	0720	Fri	08778 00163 78580 ... 80794 04429 06721	MFSK-16/20Bd	(AB)
XPA2	16314	9-6	0740	Fri	08778 00163 78580 ... 80794 04429 06721	MFSK-16/20Bd	(AB)
XPA2	16167	9-6	2100	Fri	09035 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	14663	9-6	2120	Fri	09035 00001 00000 10140	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	13923	9-6	2140	Fri	09035 00001 00000 10140	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	16167	10-6	2100	Sat	00688 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	14663	10-6	2120	Sat	00688 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	13923	10-6	2140	Sat	00688 00001 00000 00140	MFSK-16/20Bd	(AB/RL)
XPA2	14738	11-6	2100	Sun	06908 00073 39934 ... 87973 14150 22106	MFSK-16/20Bd	(AB/RL)
XPA2	13438	11-6	2120	Sun	06908 00073 39934 ... 87973 14150 22106	MFSK-16/20Bd	(AB)
XPA2	12138	11-6	2140	Sun	06908 00073 39934 ... 87973 14150 22106	MFSK-16/20Bd	(AB)
XPA2	19514	13-6	0700	Tue	04593 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18214	13-6	0720	Tue	04593 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16314	13-6	0740	Tue	04593 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15884	13-6	1900	Tue	08395 00175 06856 ... 00645 23060 25434	MFSK-16/20Bd	(AB/MPJ/GHn /Dan)
XPA2	14984	13-6	1920	Tue	08395 00175 06856 ... 00645 23060 25434	MFSK-16/20Bd	(AB/MPJ/Dan /RL)
XPA2	14384	13-6	1940	Tue	08395 00175 06856 ... 00645 23060 25434	MFSK-16/20Bd	(AB/MPJ/tiNG /Dan/RL)
XPA2	14738	13-6	2100	Tue	06908 00073 39934 ... 87973 14150 22106	MFSK-16/20Bd	(AB)
XPA2	13438	13-6	2120	Tue	06908 00073 39934 ... 87973 14150 22106	MFSK-16/20Bd	(AB/RL)
XPA2	12138	13-6	2140	Tue	06908 00073 39934 ... 87973 14150 22106	MFSK-16/20Bd	(AB/RL)
XPA2	15884	15-6	1900	Thu	08395 00175 06856 ... 00645 23060 25434	MFSK-16/20Bd	(AB/MPJ)
XPA2	14984	15-6	1920	Thu	08395 00175 06856 ... 00645 23060 25434	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14384	15-6	1940	Thu	08395 00175 06856 ... 00645 23060 25434	MFSK-16/20Bd	(AB)
XPA2	19514	16-6	0700	Fri	07545 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18214	16-6	0720	Fri	07545 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16314	16-6	0740	Fri	07545 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16167	16-6	2100	Fri	02014 00079 32919 ... 67750 57721 52551	MFSK-16/20Bd	(AB)
XPA2	14663	16-6	2120	Fri	02014 00079 32919 ... 67750 57721 52551	MFSK-16/20Bd	(AB)
XPA2	13923	16-6	2140	Fri	02014 00079 32919 ... 67750 57721 52551	MFSK-16/20Bd	(AB)
XPA2	16167	17-6	2100	Sat	02014 00079 32919 ... 67750 57721 52551	MFSK-16/20Bd	(AB)
XPA2	14663	17-6	2120	Sat	02014 00079 32919 ... 67750 57721 52551	MFSK-16/20Bd	(AB)
XPA2	13923	17-6	2140	Sat	02014 00079 32919 ... 67750 57721 52551	MFSK-16/20Bd	(AB)
XPA2	14738	18-6	2100	Sun	01048 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	13438	18-6	2120	Sun	01048 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	18-6	2140	Sun	01048 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	19514	20-6	0700	Tue	07001 00109 61900 ... 32802 11554 63764	MFSK-16/20Bd	(AB-HNG)
XPA2	18214	20-6	0720	Tue	07001 00109 61900 ... 32802 11554 63764	MFSK-16/20Bd	(AB-UKR)
XPA2	16314	20-6	0740	Tue	07001 00109 61900 ... 32802 11554 63764	MFSK-16/20Bd	(AB)

<b>XPA2</b>	15884	20-6	1900	Tue	07808 00001 00000 10140	MFSK-16/20Bd	(AB/GHn/MPJ /Dan/RL)
<b>XPA2</b>	14984	20-6	1920	Tue	07808 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
<b>XPA2</b>	14384	20-6	1940	Tue	07808 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan /RL)
<b>XPA2</b>	14738	20-6	2100	Tue	03877 00001 00000 10140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13438	20-6	2120	Tue	03877 00001 00000 10140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12138	20-6	2140	Tue	03877 00001 00000 10140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15884	22-6	1900	Thu	09596 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
<b>XPA2</b>	14984	22-6	1920	Thu	09596 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
<b>XPA2</b>	14384	22-6	1940	Thu	09596 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
<b>XPA2</b>	19514	23-6	0700	Fri	07001 00109 61900 ... 32802 11554 63764	MFSK-16/20Bd	(AB-S/HFD)
<b>XPA2</b>	18214	23-6	0720	Fri	07001 00109 61900 ... 32802 11554 63764	MFSK-16/20Bd	(AB-S/HFD)
<b>XPA2</b>	16314	23-6	0740	Fri	07001 00109 61900 ... 32802 11554 63764	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	16167	23-6	2100	Fri	05583 00067 67768 ... 70618 36565 30140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14663	23-6	2120	Fri	05583 00067 67768 ... 70618 36565 30140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13923	23-6	2140	Fri	05583 00067 67768 ... 70618 36565 30140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16167	24-6	2100	Sat	05583 00067 67768 ... 70618 36565 30140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14663	24-6	2120	Sat	05583 00067 67768 ... 70618 36565 30140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13923	24-6	2140	Sat	05583 00067 67768 ... 70618 36565 30140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14738	25-6	2100	Sun	00840 00089 97212 ... 66936 93053 12654	MFSK-16/20Bd	(AB/Dan)
<b>XPA2</b>	13438	25-6	2120	Sun	00840 00089 97212 ... 66936 93053 12654	MFSK-16/20Bd	(AB/Dan)
<b>XPA2</b>	12138	25-6	2140	Sun	00840 00089 97212 ... 66936 93053 12654	MFSK-16/20Bd	(AB)
<b>XPA2</b>	19514	27-6	0700	Tue	07805 00091 81419 ... 83854 36933 06540	MFSK-16/20Bd	(AB)
<b>XPA2</b>	18214	27-6	0720	Tue	07805 00091 81419 ... 83854 36933 06540	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16314	27-6	0740	Tue	07805 00091 81419 ... 83854 36933 06540	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15884	27-6	1900	Tue	00303 00187 15576 ... 39654 31014 52251	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14984	27-6	1920	Tue	00303 00187 15576 ... 39654 31014 52251	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14384	27-6	1940	Tue	00303 00187 15576 ... 39654 31014 52251	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	14738	27-6	2100	Tue	00840 00089 97212 ... 66936 93053 12654	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13438	27-6	2120	Tue	00840 00089 97212 ... 66936 93053 12654	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12138	27-6	2140	Tue	00840 00089 97212 ... 66936 93053 12654	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15884	29-6	1900	Thu	00303 00187 15576 ... 39654 31014 52251	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14984	29-6	1920	Thu	00303 00187 15576 ... 39654 31014 52251	MFSK-16/20Bd	(MPJ)
<b>XPA2</b>	14384	29-6	1940	Thu	00303 00187 15576 ... 39654 31014 52251	MFSK-16/20Bd	(MPJ)
<b>XPA2</b>	19514	30-6	0700	Fri	07805 00091 81419 ... 83854 36933 06540	MFSK-16/20Bd	(AB)
<b>XPA2</b>	18214	30-6	0720	Fri	07805 00091 81419 ... 83854 36933 06540	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16314	30-6	0740	Fri	07805 00091 81419 ... 83854 36933 06540	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16167	30-6	2100	Fri	07147 00001 00000 10140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14663	30-6	2120	Fri	07147 00001 00000 10140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13923	30-6	2140	Fri	07147 00001 00000 10140	MFSK-16/20Bd	(AB)
<b>XSL</b>	4153	25-6	0615	Sun	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	25-6	0615	Sun	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	25-6	0615	Sun	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	25-6	0617	Sun	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	25-6	0617	Sun	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	25-6	0618	Sun	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	25-6	0620	Sun	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	25-6	0622	Sun	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	25-6	0623	Sun	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4153	28-6	0630	Wed	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	28-6	0630	Wed	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	28-6	0630	Wed	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	28-6	0633	Wed	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	28-6	0633	Wed	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	28-6	0633	Wed	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	28-6	0634	Wed	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	28-6	0635	Wed	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	28-6	0635	Wed	Japanese Navy a.k.a. Slotmachine	QPSK 1500Bd	(AB-J)



## CONTRIBUTORS

AB	Ary Boender, Netherlands	F5JBR	F5JBR André, France
AB-AUT	Ary Boender via remote rx Austria	F5JBR-J	F5JBR André via remote rx Japan
AB-B	Ary Boender via remote rx Brazil	GHn	Gary Hagermann, UK
AB-HNG	Ary Boender via remote rx Hungary	HFD	Hans-Friedrich Dumrese, Germany
AB-J	Ary Boender via remote rx Japan	HFD-J	Hans-Friedrich Dumrese via remote rx Japan
AB-NZL	Ary Boender via remote rx New Zealand	JPL	JPL, Ontario, Canada (and various remotes)
AB-RUS	Ary Boender via remote rx Russia	JPL-CHN	JPL via remote rx China
AB-S	Ary Boender via remote rx Sweden	JPL-HK	JPL via remote rx Hong Kong
AB-Sib	Ary Boender via remote rx Siberia	JPL-J	JPL via remote rx Japan
AB-UKR	Ary Boender via remote rx Ukraine	JPL-NZL	JPL via remote rx New Zealand
AB-USA	Ary Boender via remote rx USA	JPL-Sib	JPL via remote rx Siberia
AnEur	Anonymous Europe	KAL2	Kalvados
Benka	Benka	KK2	Kristian K, Central Europe
BR	Brian Rogers, UK	LG3	Looking Glass, Australia
Brit	Britzel	MCO	Mike Chace-Ortiz, PA, USA
Dan	Daniel, Argentina	MPJ	Jim, SW England
Danix	Danix111, Poland	Phi	Philby
Danix-USA	Danix via remote rx USA	Priyom	Priyom.org
dmhz	DoktorMHZ	PW2	Parkeerwacht, The Netherlands
DSch	Don Schimmel, WV, USA	RL	Landolpho, Brazil
ES	Edward Smith, UK	RP2	Ronny Peeters, Belgium
ES-ISR	Edward Smith via remote rx Israel	RP-MD	Ron, MD, USA
ES-J	Edward Smith via remote rx Japan	tING	Thomas, Central Europe
ES-POL	Edward Smith via remote rx Poland	Tom	Tom, Lincs, UK
ES-RUS	Edward Smith via remote rx Russia	Topol	Tony, UK
EW	Eddy Waters, Australia	WP3	Wolfgang Palmberger

## APPENDIX

### *Unid Russian military net logged by AnEur and JPL.*

#### **Nighttime frequencies:      Daytime freqs:**

Net control: 5596 kHz      Not found  
Out stations: 5694 kHz      Not found

#### **Information:**

- Messages consist of 27 five-letter or five-figure groups; or 28 when a priority code is mentioned.
- Callsigns change every 10 days.
- Frequencies are fixed for a period of 40 days.
- Net control calls out stations in order of importance.

Below the station list for the NIGHTtime net. They will most probably use different callsigns for the DAYtime net.

#### **Starting 5 May, 1700 UTC:**

Net control: 5596 kHz  
Out stations: 5694 kHz

Net control    Z6KW  
Collective call   EQVW  
Out stations   MTNS, MR1I, SKTL, AEXQ, OW7N

#### **Starting 11 May, 1700 UTC:**

Net control    JHHN  
Collective call   NF3Y  
Out stations   WMWA, ZBX2, E5A9, K8FC, OSWE

#### **Starting 21 May, 1700 UTC:**

Net control    Z3VU  
Collective call   GHTN  
Out stations   YTSN, IGO2, EA4X, OITS, DU6A

#### **Starting 31 May, 1700 UTC:**

Net control    AKFV  
Collective call   F73G  
Out stations   NWG5, AKH3, QJJ9, C2C9, 70iQ

#### **Starting 11 June, 1700 UTC:**

Net control    A3SA  
Collective call   H88B  
Out stations   S OVN, V1JX, PLKV, OIML, 3WO2

#### **Starting 21 June, 1700 UTC:**

Net control    3YAO  
Collective call   OAIT  
Out stations   O8A8, HLYD, NRDR, Z6WN, V5QX

#### **The header explained:**

**407 28 18 2320 407 = ZAR 897**

407    Message nr  
28     Total nr of groups in the message (incl. priority code + message office nr)  
18     Date  
2320   Moscow time  
407    Message nr  
=  
ZAR    Priority code  
897    Nr of the message office

#### **Sample message:**

12126 82180 64025 62016 55648 25682 36279 58961 36725 81653  
18025 62578 45655 64581 32018 65327 86372 55763 46890 03654  
31657 81368 56871 34318 66845 18025

The last group of the message consist of the date + number of 5-letter/figure groups.  
Example: 18025 is the date (18) and 25 groups.

**Traffic:**

**5596 kHz, 07-05, 172- UTC Z6KW to MR1I**

ZVN ZDJ ZEK QYT4

**5596 kHz, 07-05, 1737 UTC Z6KW to MR1I**

ZDP ZWL ZLJ QYT4

**5596 kHz, 09-05, 1855 UTC Z6KW to EQVW**

908 27 9 2150 908 = 963 =

IKHIH ÂHÂUH IPRIO HÔOÂÛ DKIKX PNRÔÎ KUÛCh XIOÛKÛ LÔIOA NTGOQ  
KGOZO PRION KÛCOO PFBWK ÔRIOT GÛDZX UFÔXO RTOGD FCGDX PNKOÛ  
RIUDX KIKOP LZKCO ÂZÔRO INDXX POPWT

**5596 kHz, 09-05, 1930 UTC Z6KW to SKTL**

792 27 9 2230 792 = 963 =

OZÔOD GDUÛH INTGU IHIOPI ÛTGUO PRIOP CGDIO NTOOÛ WChCOH ÔRIOP  
BPIOO PCIOK KIOTG DGOID PNÔRO WDKIO SXXLCh PCKUO TGOÂÛ SRBNK  
ÔZÔIO WSOIX ÂDKCO IZKOÛ NTOGD POPWT

**5596 kHz, 09-05, 2021 UTC Z6KW to AEXQ**

129 28 9 2320 129 = ZSU 963

ZÔTOÛ DKSIO PTOGD IFUÛU NTOGD ÛZÔRI IOPKL IONKX PNFKC ÛDBKX  
CRDIO PKÛLL IZIKO LNLGCh XIDGI PFIOT TDKÔH HIORL ChCÂGD UÛDXX  
KLÛLX CKGDH OÛDRI PKÔIO DKXKO POPWT

**5596 kHz, 11-05, 2112 UTC Z6KW to NF3Y**

839 27 12 00?1 839 = 355 =

12340 50608 46783 43023 53403 01346 87869 39860 21011 43689  
93467 70374 02303 43034 68372 02346 73456 70134 20234 37786  
04320 43983 70783 30340 70789 12025

**5596 kHz, 13-05, 1945 UTC Z6KW to OSWE**

741 28 12 2145 741 = ZVJ 109 =

VAEWÔ DFBUF IOGBA ChNÂE. ÛALQF QRZKO RFGNK EZNMK K-IKN ÛC-ZE  
YWG NR ÂPDCHZ KFChGZ VQFÂÂ ChTKEZ NKARD ÛSARG MKLH- AQVOF RPRYY  
PWÛPÛ VSDÂR ÛFHBS ÂSÔÔL NQQWK ÂWYWT

**5596 kHz, 13-05, 2017 UTC Z6KW to ZBX2**

741 28 12 2145 741 = ZVJ 109 =

OAÛHL ZURÂQ I—QD ÔWACA TSODQ TDPKI AÔFTÂ KSCHHP VÛHYL EÂUHZ  
HPDHZ ChUZER RDEÔ- ÔÔH-E ----- P—PO GÔNDI ÔEMÛC YCUZK USELL  
ChKKBC ÛQHOÂ MNGAR EAUÂBR KEVÂW ÂWPWT

**5596 kHz, 13-05, 2126 UTC JHHN to ZBX2**

959 27 14 0020 959 = 770 =

UÔOAY HFÂHF QPORT EETChG ZEVAZ KGVChY BÔAVÂ BVLST CChBÛU GQÂYP  
QITZA ÔSYÛCh SERQW XÛZCD PHChWA HWBCh CNECh HZUGF BMDIÛ IVGSQ  
TNKBS VKÂKK ZKBES BBHNN YFOZH ÂRPWT

**5596 kHz, 17-05, 1930 UTC JHHN to OSWE**

183 27 17 2230 183 = 150 =

36958 08013 80654 13896 56787 24581 01359 05670 10101 29618  
96012 19160 28954 13382 89130 65432 01689 20213 05014 13280  
83359 63801 22800 32329 52053 17025

**5596 kHz, 17-05, 2004 UTC**

NF3Y NF3Y NF3Y QTC AR  
033 27 17 2300 033 = 150 =  
TRZÔP NFZHÔ QMÂÛÂ UFRMS TMRZÔ PTRWM DKUDA OMÔLÛ HTFRZ ÔPUFT  
KKPZÔ FTRTZ PFÂMÛ TRBRP SZFÔK PRKBR KTYCK BUHMO SÛZRR ÔWLKZ  
QTPRB URMZD NOMST SWÂGY MRSZT ÂUPWT

**5596 kHz, 17-05, 2034 UTC JHHN to ZBX2**

EBHWZ PQRTB MWSPT RLJFP ZChBMT GZDBM ÂÔMRP ZSHTR LMOÔCh PSTFÛ  
ZÔMRP FSMBR RAÔWÛ ÔMESV SPBGÛ TRUMÂ ÔMQVK NRGUW BPXHS CHTRST  
EMÔZR SWPRZ BUZNK QPRSÂ AEUÂO ÂUPWT

**5596 kHz, 18-05, 1933 UTC JHHN to WMWA**

540 28 18 2220 540 = ZOO 897 =  
12126 18640 25717 64327 58765 64346 58726 81865 33017 55687  
68186 54034 56879 08364 72865 33017 62013 33221 64011 35642  
98188 33362 17126 67172 58160 18025

**5596 kHz, 18-05, 2000 UTC JHHN to NF3Y**

030 27 18 2300 030 = 897  
HWNT0 VYWRA PAPTO KLOÂN HYWLO SPRON TPNOW KIOVO PRPON ICHOTA  
HROÂD KLOÂCh QOVYW KUPÂK KYSEN TPRON CHRYVN TENTL HLOÂK PYSTR  
GUÂNA KAKLA KRYE\_ IJTON XPWSN ÂIPWT

**5596 kHz, 18-05, 2020 UTC JHHN to K8FC**

407 28 18 2320 407 = ZAR 897  
GTRYDA PRÛE\_ EONTO GLYCHV QNPWT SÛEÛK OTLOK PYRTN \_\_\_\_\_ GYPAR  
SOENO KOLOW GYRTA SWXEO KOPLA PYNDO YECPN CHARTY TYRPA \_\_\_\_\_  
TOPKN WODYM TAPRY GUWNG HRPEN ÂIPWT

**5596 kHz, 18-05, 2052 UTC JHHN to OSWE**

772 27 18 2350 772 = 897  
12126 82180 64025 62016 55648 25682 36279 58961 36725 81653  
18025 62578 45655 64581 32018 65327 86372 55763 46890 03654  
31657 81368 56871 34318 66845 18025

**5596 kHz, 19-05, 2110 UTC JHHN to NF3Y**

020 27 20 0010 020 = 156  
35937 26535 03679 73510 63729 44530 35098 43044 53096 59008  
77883 00351 35871 43638 51674 93058 61881 93087 93890 56110  
87463 52819 87113 53096 76439 20025

**5596 kHz, 20-05, 2123 UTC JHHN to OSWE**

745 27 21 0010 745 = 267  
AZAZY WGVZL BAKJX ÔCHSWA ZKNWR YCHMWI SHWKZ LGWVH SBOKM WRLGZ  
ADKWM XIXBZ CHVMPK FZKÛG BMLGI HWKYJ HZXÔO EPKWT MKZWL RLBOS  
UWANA QCHÛFC PKXZB ZCHMPH NBLMU WÂPWT

**5596 kHz, 21-05, 1904 UTC JHHN to ????**

077 27 21 2205 077 = 858  
ÛDSIK NP0EZ ÎÔRUK LIOPN KIDNS POEZI KNIEE TGNLO OEZKK RIOHC  
OBFIJ KIOECH CKIOL ZROIO\_TOGÔ EEZSK PNKIL ÔIOEZ PKKLT OWKLK  
EZSSO N\_ODP PO\_DG TG\_DS TOEEH WÂPWT

**5596 kHz, 21-05, 2002 UTC JHHN to NF3Y**

139 27 21 2300 139 = 858

HCIOE PGÂXÂ CZKGI OEOND GDOED PCÂXX KLKOE NOGGI JKNKI ÔDIOO  
EOIXK IEZPN KOUÔD IKIOE ZSIEE CKNDR FCIOE KLIKIO DKOES PFIE  
DRIOE KNCIS EÛDRI JKNKU EDRII WÂPWT

**5596 kHz, 21-05, 2049 UTC JHHN to K8FC**

493 27 21 2338 493 = 858

17930 60437 90763 74328 76032 53074 06377 59308 70302 11729  
89876 30790 70736 40453 05063 71103 46202 22834 37299 64322  
07631 07930 65403 60321 74001 21025

**5596 kHz, 22-05, 2110 UTC Z3VU to IGO2**

979 27 23 0010 979 = 574

AQBZM WKSCHO BVZRN NKBZS TKBMF CHSINA SKBOL KJXBZ LZLKP ZWSÔG  
LPÛRF VRKXK BZSHI RPNJX WSÔCHB SCHQBZ KBÛTN EIDRB ÔATRA GNAPO  
NAGNÔ CHQBSE AYECHÛ PRELO ASTIX WEPWT

**5596 kHz, 22-05, 2223 UTC Z3VU to OITS**

800 27 23 0120 800 = 574

ZIGRO MISON LOWAN KLPOR SILOS MAZG\_ LIFAN ÛGRIN PIGOS OLDON  
GOWEN TOFER OGRÛE GIBOS OZIKR OLFEN MIROS FILIO CIGOR MOFEN  
FIKAL OMGOR FILKE OZGAN PIROZ WEWPT

**5596 kHz, 24-05, 2115 UTC Z3VU to YTSN**

215 27 24 0010 215 = 961

77012 34515 80287 92131 66235 27112 44328 77551 33992 76143  
88305 00152 37408 96114 73458 14057 77239 65776 34865 27367  
65438 19900 77423 88015 33714  
24025

**5596 kHz, 25-05, 2110 UTC Z3VU to GHTN**

493 27 25 2310 493 = 567

\_\_SOE BKDÛZ KNÔRI DZSKO WDNKL IOEDO NSKRN \_\_\_\_ DNKOO EZSÔR  
ÛDNOW NGDDCH COEDR IOEDN KIEPR WBPRO EDGOCH IEBGD NTGOD IEZSC  
OZKIE NOOZS ÔOEPR ODSKO EDDPK WTPWT

**5596 kHz, 25-05, 2024 UTC Z3VU to OITS**

504 27 25 2320 504 = 567

KOEDR POEVS CHCIEK ÔRIOE DNNOB CHCIXX EDNSK ÔRIECH CIUDN ÂIEBK  
IZSKU ÂXIDN IÔRÛÂ IKLLO PNONS KSIOÛ EDEKL PFIEU DSTGW DNDWG  
ZSOOI EDEKL ÔRIOP ZSKOE FSKOO WTPWR

**5596 kHz, 29-05, 1922 UTC Z3VU to OITS**

504 28 29 2220 504 = ZOE 863

JEDÔX ONSKO BRIOE CHES\_S KRIKO WDRIX EÛÛÔX \_\_\_\_ DSSJK LIOÛK  
UED\_\_ ÔRIOK NDOEE PRIOC PSIOT PRIOK ÛED\_K ÔRIOE TGIGO NPTOT  
IELLI KÔRIO EZKSI XIXYO ÛNDRP WOPWT

**5596 kHz, 29-05, 2004 UTC Z3VU to GHTN**

370 27 29 2300 370 = 863

BWDEI ROENN KIOEZ DÔROÛ NDKII NDKIJ ZIOOÛ ÂJKLI EÔROE JKMSI  
PDRIE EÛZSW NKUOE DRÔIE DNKKS ÛNKIO EZSÔCH CSKON ÛDRIS PNKÔR  
RIORD NKNSCH PCIOE DRDKK ÔIOEÔ WOPWT

**5596 kHz, 29-05, 2110 UTC Z3VU to IGO2**

540 27 29 2350 540 = 863

IKÔRI ILIOE DSIOK NTGOO EZSÔK DRIOÛ TGLIO EDROO PNKKI IEJDX  
IRIOE JEGIL JDNKO LTGOE TNOIE ZIOES PNKKÔ RIOEI DNSDK ÛÔRIJ  
PNGGD ÛTLIL OÛEIS ÔRIIÛ K\_ÔÔP WOPWT

**5596 kHz, 29-05, 2118 UTC Z3VU to EA4X**

2017150 21:18z EA4X Z3VU

109 27 31 0010 109 = 804

ZUÂPÔ HXIOÂ DÔKUÂ CRYÂÂ KNHCP ÂÎÂIN KDOOY ÂDRIO ÂNKII JUDNS  
PRIOU ÂKDDY OFCYÂ NKIIS EDÔKL ÂIDSO ÂIUFC CKROI ÂIOEL ÔRRIA  
D\_KÔO ÂDSIO ÂLLOF UKUDR OÂNPO\_PPWT

**5596 kHz, 31-05, 2115 UTC AKFV to ????**

727 27 01 0010 727 = 071

ÔMFRT EÂMSÂ\_FYTS HPRLZ MFSYT D\_SMR MQPSD ZÔBMF PRSTQ HMSPR  
ZÔSFT PBAJB YMXÂS QCHRSR PDUMR TSTMB PÔRST ÂAPÔS XYSUM PÂZYS  
TYRKCH IRKST ZPMGS KBLZB LNHJU PÂPWT

**5596 kHz, 31-05, 2120 UTC AKFV to F73G**

829 27 02 0015 839 = 793

BXÂNF ÔCHQHS CUWRA ORTIM ZDGLS WARDX CHCusp UKDEP CHDBRX IWZMH  
GDIAR ÔUPHF BÂÂKD ZKWTÛ PRSNW DMUAI GDRSÛ WTAZR PIASF RSNKW  
PTÔCHA RKSOP XXNWT RUPAD ZHMÂU PWPWT

**5596 kHz, 02-06, 2030 UTC AKFV to F73G**

451 27 2 2300 451 =

GHUFS BRTSH FÛÛJL LHMLZ JCMÔX ÔMXYO OCHQUC UYDL\_HPMY ÔUNBW  
RELZA TÂURA FDÛIW NHWPG GWNDH ZEONP HOOTW ÛLR\_O WOSSM HMOSU  
BSNOS ZAUSZ UÔNKI DROÔF IWNÂZ PWPWT

**5596 kHz, 01-06, 2050 UTC AKFV to NWG5**

540 28 2 2350 540 = ZHE 145

73456 82147 93456 55748 11239 00701 93238 04547 64859 20340  
10813 04329 15438 75960 31451 21924 15238 24527 85643 42562  
32815 24349 35638 96753 53674 02025

**5596 kHz, 03-06, 2110 UTC AKFV to F73G**

181 27 04 0010 181 = 082

17684 37891 45326 89431 99345 68176 93312 47526 49318 34555  
79143 24917 88943 17420 07764 11932 27638 71334 43217 77433  
66934 79184 88633 42633 77642 04025

**5596 kHz, 05-06, 2115 UTC AKFV to F73G**

600 27 6 0015 600 = 986

HÔÛDS KIÛLI KNNMS USKÛÂ DRUKT GI\_Z\_RIOOCH JDSKO NTGUO SÔKÂD  
PRIOE DSIKN TGICH\_SÔUÛD KIOES ORIOS IKLIS ÔGÔST DNOUÔ DRIOE  
DLKST GOEDCH SGUED TNKOE PRÔÎO PTPWT

**5596 kHz, 08-06, 1917 UTC AKFV to AKH3**

451 28 7 2215 451 = ZLG 609

74590 83216 05433 58821 76772 85681 94325 14542 67932 87651  
94792 85434 25651 78843 96542 85081 94315 34642 89054 05431  
94192 85426 45753 98165 05431 07025

**5596 kHz, 08-06, 1953 UTC AKFV to 7OIQ**

444 28 7 2250 444 = ZOP 609

PKUTA SOUPR SU\_RF ÛVMAL ZKRDA JT\_WF HRASW HTRMN FYCBI STTSN  
YUÔJO SWTHR SESNA ÛBXJA WADMI OROKU HDESW HUPJB FTOBB DRUWT  
BSHIA SWPHD SRTBG \_ASWU BZKAP PU\_WT

**5596 kHz, 08-06, 2000 UTC AKFV to F73G**

170 28 7 2300 170 = ZRE 609

97064 57813 48967 99766 55430 67284 44056 70134 90817 79430  
88671 31204 47893 24770 89971 99321 11240 10407 20487 32641  
28256 10242 04867 19892 25121 07025

**5596 kHz, 09-06, 2050 UTC AKFV to NWG5**

2017161 19:02z C2C9 AKFV PBL:

162 28 10 2235 162 = ZOP 150

PFSIE DNRSO DNNPO EZDKÔ ... .. NTGOO PSIEZ ÔRION KÛDCHO  
... .. KÛDD S PTIIK EKIOE DSS\_Ô ÂPPWT (mostly unreadable)

**5596 kHz, 09-06, 2046 UTC AKFV to AKH3**

235 27 10 2345 235 = 150

PFCSÛ DRION LOKCI PHXXÛ DQXYA KNFCI ÛÂYSX KJOÛH JEDS\_\_\_NKU  
PERIO \_\_\_\_\_ KNON\_ CIOÛX RIOÛÛ DSI\_D R\_IOO KSIIO NDTKO  
EZEKCH PRIOJ ÔKIOL LOQCK SIOED WKDICH ÂPPWT

**5596 kHz, 11-06, 2115 UTC A3SA to H88A**

072 27 12 0010 072 = 355

EZJKÂ UPROW DKARU VEZPK FÛTOP AUPOW DAOMN SWDEK FÛTÂP ÛATAR  
DÂJXÛ OPANS KDRUP ÛSAWG ÔQRPU ZJOPW ATSUD ACKWS ÔNWTX ÔBCHSK  
AÂLKO INÂÛB ÛWÛKW DMMDO CWQKW ÂWPWT

**5596 kHz, 12-06, 2015 UTC A3SA to 3WO2**

347 27 12 2300 347 = 109

77651 82345 63981 72502 49821 65442 73254 54892 83414 50932  
74321 84543 65903 94523 61843 85432 95632 74813 85432 72954  
96543 87743 85924 94545 83045 12025

**5596 kHz, 12-06, 2040 UTC A3SA to H88B**

264 27 12 2345 264 = 109

BWUPA KDEBM WUPRS ZADUK EDMNA WAKCHS IUBAD SINKS BWACHI AWNÛA  
DBUAR WCIKI CHPURO SNIKH BVDGÔ ODWAT ZPRKW SWDUO HMYKJ WVZO\_  
GWIZP ODWYK HTYJF SNMLK DZUVO ÂWPWT

**5596 kHz, 13-06, 1658 UTC A3SA to H88B**

QSV VVV VVV

A3SA / SOVN QSA call

A3SA / V1JX QSA call

A3SA / PLKV QSA call

A3SA / OIML QSA call

A4SA / 3WO2 QSA call

**5596 kHz, 13-06, 1743 UTC A3SA to V1JX**

ZYI ZON Z.. QYT4

**5596 kHz, 13-06, 1750 UTC A3SA to V1JX**

135 28 13 2050 135 = ZOP 095

LOMEN SIX\_\_ \_O\_\_ Z FOMEN GOBEQ

OFERQ GISOR CHOPES GIFO\_ BISOC GIRON VI\_AK OMGOR FIFA\_

Â\_PWT (mostly unreadable)

**5596 kHz, 13-06, 1800 UTC A3SA to V1JX**

QRJ NO QYT4

**5596 kHz, 13-06, 1817 UTC A3SA to V1JX**

QBE QYT4

**5596 kHz, 13-06, 2004 UTC A3SA to H88B**

129 28 13 2300 129 = ZAB 095

27823 07025 53728 85836 60263 32883 04306 57836 12141 83859

80929 19971 80643 12345 54321 97531 24680 36925 87560 93214

52828 68720 42008 56792 47812 13025

**5596 kHz, 13-06, 2020 UTC A3SA to SOVN**

908 27 13 2320 908 = 095

IWACHA SIMON GOREN LOFER GOREM MISOK GIFON QIWAH SIMAN FTNSE

GLBAK GOREN CHOMEN IGONF \_ISOR MOPEK ZOREP GOMOK LIBAK OFENR

SIZOR GOLE\_ SOFAK NIBUN GOWEK ÂEPWT

**5596 kHz, 15-06, 1947 UTC A3SA to H88B**

XXX XXX XXX H88B 08366 PROMEDLENIE 0543 0101

XXX XXX XXX H88B 08366 PROMEDLENIE 0543 0101

**5596 kHz, 17-06, 1700 UTC**

SOVN DE A3SA K

SOVN DE A3SA K

SOVN DE A3SA K

V11X DE A3SA K

QSA 3 QSA ? K

R K

PLKV DE A3SA K

PLKV DE A3SA K

PLKV DE A3SA K

OIML DE A3SA K

OIML DE A3SA K

OIML DE A3SA K

QSA 1 QSA ? K

QSA 1 QSA ? K

R K

3WO2 DE A3SA K

RPT K

QSA 4 QSA ? K

R K

PLKV DE A3SA K

PLKV DE A3SA K

PLKV DE A3SA K

**5596 kHz, 17-06, 1940 UTC A3SA to V1JX**

710 27 17 2230 710 = 150

GIBOS LIBOK OFERT EBECZ CHWO VIWAK OBEDZ GOFEN ROBEG GOMEZ

BOGOR LIFAN OZDEC \_\_\_\_\_ CH\_MON OZIRG FIROS GLBAN \_\_\_FAN

GIROZ QIWET VERON BIFAK ZORET ÂUPWT

**5596 kHz, 17-06, 2000 UTC A3SA to PLKV**

264 27 17 2300 264 = 150

3589\_ 73893 89914 53896 73210 59619 35895 85031 78051 43031

79930 5613 89037 65789 13460 24531 89160 35036 89037 89789

83073 96012 55460 85035 77030 17025



**5596 kHz, 21-06, 1958 UTC 3YAO to NRDR**

ZDB ZVV ZUH QYT4

**5596 kHz, 22-06, 2057 UTC 3YAO to OAIT**

917 27 22 235\_ 917 = 429

79878 03593 7640\_ 53\_ 3 96110 87687 53073 87960 90390 73104

87930 73103 61729 89781 35434 87789 37431 61789 35835 76075

38743 59683 59783 89031 76035 22025

**5596 kHz, 26-06, 2102 UTC**

QSL call from 3YAO to O8A8, HLYD, NRDR, Z6WN, V5QX

**5596 kHz, 26-06, 2102 UTC 3YAO to O8A8**

200 27 27 0040 200 = 082

22232 68794 08101 03418 96543 32103 89786 52018 87654 32108

37654 39745 36548 10164 59622 03864 58650 45644 92040 38659

34053 01265 48786 52322 06859 27027

**5596 kHz, 27-06, 1702 UTC**

QSL call from 3YAO to O8A8, HLYD, NRDR, Z6WN, V5QX

**5596 kHz, 27-06, 1732 UTC 3YAO to Z6WN**

215 27 27 2020 215 = 519

BWDZI ONRIW KOTYS WORKA BORKA AJFOH CHPUNA ÂWGOL BCHSAB WQCWD

SJPCHS QFDBR BUZDP GÔDPD BCHBSH HWOUB ZBRDD ÂVSKA ZYBOM DWDKA

AABWE BWDUK FBHWD BAJDY ÂLZLL ÂUPWT

**5596 kHz, 27-06, 2030 UTC 3YAO to O8A8**

075 27 28 2310 075 = ZQJ 519

76503 89452 13822 34456 12125 43250 97563 24913 56678 23471

54342 88674 35024 67879 35667 65455 21785 46136 78903 26738

31211 10241 57248 89024 37845 27025

Note: the date is incorrect in the message

**5596 kHz, 30-06, 1843 UTC 3YAO to NRDR**

926 27 30 2140 926 = 452

ÛÂSKO NTGÛZ IERÔO NGOEZ WKWZBDNSÛX KXOBQ ÔSKOÛ ZNOZZ KÛLIO

KÛDSÔ KRIBS TGOED FKJOE ZAKLJ BJOEZ TKOEQ BROOE FSJOG OEZTO

BWJOZ DTGGÔ EIÛXZ RÛJSX KLOEÛ EPPWT

**5596 kHz, 30-06, 2030 UTC 3YAO to OAIT**

030 27 30 2300 030 = 452

17403 60374 56097 33026 40432 60731 20832 90663 30321 16431

97071 53402 87673 02301 99873 65500 39074 68901 17632 08642

94032 08891 67702 76711 08766 30027

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

**PRIYOM** <http://priyom.org/>

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

To become a Spooks member go to <http://mailman.qth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

878 27364 92836 89428 61288 14982 35498 32764 31276 81  
 986 48932 78987 32123 49817 26346 81287 65491 87364 81  
 721 75654 55656 12737 72727 72727 91918 63473 67867 76  
 723 87629 37677 32612 53498 71296 28756 18276 98716 87  
 7269 76329 74698 76857 98678 27601 56701 57601 73648 1  
 591 87364 87265 96710 27638 12673 84769 28743 98127 5  
 63298 75698 27465 87326 49876 28376 81273 98615 81  
 67 87432 74328 78674 29867 32867 67867 86786 43266 43  
 57 68768 68763 34234 34238 68768 62342 48273 48768 23  
 936 98432 32432 86743 43286 43286 43286 43286 43286 43  
 743 86743 86743 39867 32867 86743 43286 43286 43243 86  
 791 86743 86743 86743 86743 86743 86743 86743 86743 4  
 743 98798 98754 98754 98754 98754 29867 67543 67986 86  
 76 87698 69876 87698 69876 87612 12341 34867 86798 652  
 567 43298 65656 56756 56123 32143 14321 32143 14321 321  
 43298 58765 58765 58765 58765 58765 58765 58765 58765  
 58765 58765 58765 58765 58765 58765 58765 58765 58765

N&O



UDXF

