

6	27364	92836	89428	61298	71282	36198	32764	31277	
86	48932	78987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98678	27681	56781	57681	73648	1
1	87364	87265	96718	27638	12673	84769	28743	98127	2
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	87
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	48
43	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	2
99	98798	98754	98754	98754	98754	29867	67543	67986	87
8	87698	69876	87698	69876	87612	12341	34867	86798	6
3298	65656	56756	56123	32143	14321	32143	14321	32143	37
787	58765	76587	58765	76587	58765	76587	58765	76587	8

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #253, October 2018

Editor: Ary Boender email: 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.



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FOREWORD

Hello and welcome to Numbers & Oddties #253. The conditions were poor most of the month but nevertheless we have quite some logs and transcripts for you.

Enjoy and don't forget to send us your logs.

VOICE STATIONS

E06

5186 kHz, 04-10, 2030 UTC

891 149 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

M14, 4874 kHz, 05-10, 2000 UTC: 735 735 735 00000

Switched to E06 at 2008 UTC: 111 111 111 00000

5197 kHz, 05-10, 2130 UTC

634 149 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

5186 kHz, 18-10, 2019 UTC: 111 111

5186 kHz, 18-10, 2059 UTC. Early start

891 149 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

17471/15871/13971 kHz, 02-10/05-10, 1100/1120/1140 UTC

489 489 489 1 424 95 424 95

71355 45055 02469 90834 03758 78412 32509 72321 18898 52034
60772 76814 94985 37197 39780 04678 69795 73796 94295 49185
77056 61866 20683 60774 14724 76758 52047 17429 60677 02355
37613 27699 06239 76517 32186 98680 85847 45996 19845 94289
35212 88414 81241 68411 80528 20381 49903 53753 70841 92292
12966 67680 91354 36969 34790 35949 16657 98482 06211 31339
76309 15831 30014 12541 14124 12580 26876 73011 40618 07102
64090 30781 38066 38431 12678 30586 60917 59909 36449 93662
03235 30035 73660 47585 84016 85595 51776 55709 41117 77069
60809 38537 33369 07462 54493 000 000

11156/9356/8056 kHz, 03-10/07-10, 1700/1720/1740 UTC

130 130 130 1 2386 107 2386 107

54489 46802 22705 62632 95242 40054 54648 51665 08150 98500
89257 96384 20262 40928 07554 58051 69900 12926 21084 10259
13914 51936 12237 65568 52043 93192 11577 35104 74155 54706
52506 53764 32277 09507 62710 15526 42275 11231 20373 04664
00823 05020 33471 71043 77427 72653 33067 51008 28366 64374
24994 55185 87955 09857 44703 02544 93621 28824 41308 25657
34553 37999 27330 65834 40310 83269 72597 13428 84584 66280
21918 96861 10298 46845 91798 08031 60716 27188 19511 45244
99552 64423 92352 13524 80002 50553 81085 35130 48222 14150
12750 49305 58823 64075 93689 04213 99902 87815 62553 38209
11049 26336 83911 16826 67110 05012 94124 000 000

9064/10264/11464 kHz, 06-10/07-10, 0600/0620/0640 UTC

024 024 024 1 990 118 990 118

55248 47787 92941 29499 25117 35170 63973 56072 04052 54351
58730 32378 66982 11285 66811 30887 86210 94612 37817 91737
60410 45816 04420 52173 87288 39341 52264 24549 98144 04483
38719 34834 63954 53064 32728 55114 90383 79304 65123 02370
27068 65539 37348 88143 45915 32872 04650 20754 69121 68536
44019 76751 60097 63167 67196 04790 60313 47574 69098 59854
85646 23191 45669 41068 27046 19927 15509 82332 45700 75579
19690 19864 94145 69488 62920 13866 72729 02179 19820 21107
53349 44024 31848 01922 89317 11253 67805 72004 47739 73215
11583 92587 57716 82080 21435 55548 85697 75849 21730 35035
11638 72074 14594 41559 53269 55700 71653 31151 74537 63961
92834 18269 49413 12274 60132 97852 62414 92790 000 000

11156/9356/8056 kHz, 10-10/14-10, 1700/1720/1740 UTC

130 130 130 1 8619 127 8619 127

84902 53991 12346 92270 81325 35305 69531 97350 45776 81215
72567 22753 73095 18890 92906 05390 93748 83071 40892 68743
43254 49829 16477 75300 12419 51525 72405 86879 66832 07749
88929 43886 20446 29577 01971 25137 31754 19653 71072 53264
22181 81336 33624 98877 61757 82659 01127 70769 99629 82646
51934 07992 33315 46026 26907 78920 65070 03372 16299 81091
92397 57974 97693 49851 87635 94897 22599 94089 03704 21661
88984 03807 56478 00502 75781 59786 19390 86426 56587 39850
64335 91407 54740 62720 91270 73600 40976 98962 85155 64076
63389 08945 67890 04062 25706 92864 65411 17541 97195 15248
44784 34852 83135 30531 90410 78734 62875 03908 22737 95921
74489 84025 60557 40324 80594 72516 68704 06853 84430 28281
93196 87097 44255 65305 10261 68535 57188 000 000

15962/17462/18542 kHz, 12-10, 0700/0720/0740 UTC

945 945 945 1 473 93 473 93
72061 64030 65213 40443 76491 11842 98358 49212 77238 92206
35736 67227 16956 07036 38050 46108 63957 46278 37781 34635
33483 15258 16381 30528 31682 12716 00436 33501 24490 19362
90908 74243 47274 08450 70352 82200 38704 48387 26835 36171
99377 62515 15118 94855 71462 98061 42371 60747 84669 94955
60853 05275 18821 20791 01762 38521 37484 14559 68357 66791
37057 43328 94311 29586 00052 75543 89512 62042 48086 26334
09947 38334 05008 03045 64864 14740 97398 69266 51270 56586
98939 67792 04670 37838 07332 30577 07253 94533 30241 23958
75844 46574 98574 000 000

11539/10139/9139 kHz, 15-10/17-10/22-10/24-10/29-10/31-10, 1900/1920/1940 UTC

511 511 511 1 129 44 129 44
90721 61618 10199 45452 02784 58551 48608 07717 17294 08096
68477 03502 55638 47728 80320 05313 06843 66913 98342 86330
83859 19236 71732 47314 98902 33160 90747 67901 05602 59069
84768 19087 94430 37980 14711 24483 15939 50686 13095 08494
00116 49089 57157 72134 000 000

17471/15871/13971 kHz, 16-10, 1100/1120/1140 UTC

489 489 489 1 9439 83 9439 83
43413 26392 20714 56461 39515 35799 93318 67537 62670 34823
53179 18902 51064 66403 99516 29812 97319 18264 95681 41178
18315 53399 50411 92955 01485 23845 07271 89557 34332 03719
23975 90028 38361 86448 20884 20311 04152 32062 29226 24516
64173 76509 49629 88977 82107 06623 65710 23444 34692 38929
39143 89825 81886 95614 36547 51249 39947 32922 14087 56337
57937 84351 43810 25555 48760 24936 28870 31932 62213 54939
37754 57776 60486 41016 93071 07265 17271 23472 89129 50058
72776 61880 34491 000 000

15849/14849/13449 kHz, 18-10/20-10, 1540/1430/1450 UTC

746 746 746 1 4399 63 4399 63
33179 22075 38494 72131 03265 98236 05365 22701 99916 42624
34945 41306 71381 69973 67628 32582 74442 77828 18300 99452
27257 14658 37601 43440 48040 97307 34742 79813 15344 08073
92402 10155 87514 56933 29359 17102 81044 53223 04842 19244
90641 16281 59838 44835 61908 30886 43601 55412 73192 24326
57584 72726 47742 33265 99980 51790 63872 31593 88208 63566
40350 93137 72149 000 000

15962/17462/18542 kHz, 26-10, 0700/0720/0740 UTC

945 945 945 1 588 71 588 71
35450 12700 70144 45427 95625 69101 88280 53104 68526 57319
83885 72992 13059 32152 71207 54272 79611 89113 06126 13992
12483 85617 73154 61028 70728 44199 24065 19465 66239 97240
20178 69084 99279 60773 91521 47750 45662 82291 04545 17679
92552 07997 23929 42936 82946 28683 78839 86494 44925 58190
47495 84906 23867 75530 69494 82128 21916 63607 48926 21945
20465 27457 24674 71597 11201 03161 41355 84617 60428 69344
13162 000 000

9064/10264/11464 kHz, 27-10/28-10, 0600/0620/0640 UTC

024 024 024 1 656 50 656 50
32843 54313 27147 38294 18832 40335 11283 67454 02521 37965
06982 07049 90059 09713 46661 11451 61080 79591 40099 53249
70546 50455 34369 84984 44954 72295 51651 94238 40224 88283
96167 04112 48795 96051 23443 79453 51651 54380 56714 71881
71226 56549 38708 51364 24655 27062 75300 54523 00577 42915
000 000

E07a**8144/6944/5744 kHz, 10-10, 2000/2020/2040 UTC**

197 197 197 1 36966 314 67 314 67
11617 14632 88694 52334 74389 92502 84459 66546 53471 16890
51024 75549 26781 12484 41057 25479 67228 76885 01878 16322
40672 47417 87694 83023 02609 77455 60027 39530 54520 80586
69490 74546 94720 22412 63528 48334 14041 91555 69961 03625
94076 77220 20111 07469 51500 02287 47624 71992 38263 34736
56216 26662 80615 30827 88164 53413 76108 83818 30942 44896
87903 66711 82706 28356 32898 43613 72170 000 000

6788/7488/8188 kHz, 11-10, 0430/0450/0510 UTC

741 741 741 1 36966 314 67 314 67
11617 14632 88694 52334 74389 92502 84459 66546 53471 16890
51024 75549 26781 12484 41057 25479 67228 76885 01878 16322
40672 47417 87694 83023 02609 77455 60027 39530 54520 80586
69490 74546 94720 22412 63528 48334 14041 91555 69961 03625
94076 77220 20111 07469 51500 02287 47624 71992 38263 34736
56216 26662 80615 30827 88164 53413 76108 83818 30942 44896
87903 66711 82706 28356 32898 43613 72170 000 000

11424/10124/8124 kHz, 12/10, 1510/1530/1550 UTC

411 411 411 1 66461 306 73 306 73
79633 30000 31929 92218 93007 90387 65081 93998 87264 52331
38070 55394 01291 00157 85846 92056 26292 19064 70790 00942
90502 76708 77038 82651 85947 06981 69081 61203 18454 59544
40924 46935 16994 29395 84792 52493 97863 68957 41934 39689
92554 42358 86551 92816 59416 37307 11817 78854 40610 66853
52117 23016 44607 17462 14664 66423 98068 85982 13392 43120
59040 14195 68005 95928 85216 47592 50188 01679 76043 17781
78121 48236 41404 000 000

11484/12184/13384 kHz, 13-10, 0800/0820/0840 UTC

413 413 413 1 66461 306 73 306 73
79633 30000 31929 92218 93007 90387 65081 93998 87264 52331
38070 55394 01291 00157 85846 92056 26292 19064 70790 00942
90502 76708 77038 82651 85947 06981 69081 61203 18454 59544
40924 46935 16994 29395 84792 52493 97863 68957 41934 39689
92554 42358 86551 92816 59416 37307 11817 78854 40610 66853
52117 23016 44607 17462 14664 66423 98068 85982 13392 43120
59040 14195 68005 95928 85216 47592 50188 01679 76043 17781
78121 48236 41404 000 000

8144/6944/5744 kHz, 24-10/31-10, 2000/2020/2040 UTC

197 197 197 1 31602 445 63 445 63
 31013 24099 21904 38374 49956 88041 86113 37017 29794 75099
 90482 51970 20051 65899 41036 27462 08218 46440 20301 33923
 95275 61119 06546 16322 56025 24646 46316 43866 64753 92727
 86539 05184 14089 26258 46393 74555 37978 78666 18559 44945
 68768 97064 80624 10343 40666 14912 52950 40837 14277 91547
 52574 64173 96420 80019 69721 26282 77244 65498 94109 67003
 38347 54270 28258 000 000

6788/7488/8188 kHz, 25-10, 0430/0450/0510 UTC

741 741 741 1 31602 445 63 445 63
 31013 24099 21904 38374 49956 88041 86113 37017 29794 75099
 90482 51970 20051 65899 41036 27462 08218 46440 20301 33923
 95275 61119 06546 16322 56025 24646 46316 43866 64753 92727
 86539 05184 14089 26258 46393 74555 37978 78666 18559 44945
 68768 97064 80624 10343 40666 14912 52950 40837 14277 91547
 52574 64173 96420 80019 69721 26282 77244 65498 94109 67003
 38347 54270 28258 000 000

11424/10124/8124 kHz, 26/10, 1510/1530/1550 UTC

411 411 411 1 35046 409 57 409 57
 85452 86068 17867 01730 66442 74569 58168 79767 82691 30865
 88888 07020 91480 22410 06819 20314 60534 26594 56331 12066
 50565 46105 38002 39800 32276 77056 39904 39387 41389 68932
 58729 96959 83223 84981 99144 28026 15087 71565 19712 45999
 53270 98291 66890 18351 88233 57485 81672 02825 69080 24771
 15991 85084 25131 77115 05559 66820 51919 000 000

11484/12184/13384 kHz, 27-10, 0800/0820/0840 UTC

413 413 413 1 35046 409 57 409 57
 85452 86068 17867 01730 66442 74569 58168 79767 82691 30865
 88888 07020 91480 22410 06819 20314 60534 26594 56331 12066
 50565 46105 38002 39800 32276 77056 39904 39387 41389 68932
 58729 96959 83223 84981 99144 28026 15087 71565 19712 45999
 53270 98291 66890 18351 88233 57485 81672 02825 69080 24771
 15991 85084 25131 77115 05559 66820 51919 000 000

E11a**5371 kHz, 01-10, 0450 UTC**

410/34 Attention
 80903 76591 10660 90227 02263 46000 31863 05798 08449 42682
 55484 86527 17939 52268 20507 78357 39033 67076 61814 49404
 80106 71475 06179 90826 47815 29934 83027 71492 36063 82311
 13121 65291 91962 62376
 Attention (message repeated) Out

10213 kHz, 01-10, 0745 UTC**10330 kHz, 04-10, 1530 UTC**

264/30 Attention
 43432 19523 05074 73891 56713 57545 74959 61459 14555 02359
 96196 40887 03261 79696 27785 01401 88135 54289 31088 35636
 52954 01856 88568 94507 46884 76895 63520 21399 84605 89579
 Attention (message repeated) Out

8180 kHz, 01-10/03-10, 0900 UTC

530/33 Attention

02828 93258 91706 83492 98435 72688 75168 60224 10685 94061
52008 93593 58189 04047 71187 00696 83099 86794 66350 14450
09517 11732 27757 57450 34312 20185 59544 62785 72013 51078
72208 82707 78951

(message repeated) Out

7317 kHz, 01-10/04-10, 1900 UTC

644/37

37488 48059 05082 40808 21411 62884 73005 52412 86908 18178
28938 29265 02006 09704 76572 99604 37621 63832 16466 99692
32715 69495 97332 51406 67464 87834 35961 75462 14616 69644
26487 43537 28053 78257 31578 10157 49520

(message repeated) Out. No "Attention"

10800 kHz, 02-10/04-10, 0645 UTC

516/43 Attention

80863 25372 66406 82071 88623 22965 75358 21410 37190 98587
18727 69569 92580 72033 97398 10775 25583 37798 67063 09637
15946 15505 82008 82230 36134 94015 10471 15112 18916 11774
74885 15744 12571 83251 38727 29706 59773 50631 00299 35127
24858 55338 25051

(message repeated) Out. No "Attention"

7840 kHz, 02-10, 1000 UTC

309/21

61905 93661 79786 65512 88493 71814 04345 73978 98318 04140
93728 46404 87181 16976 19320 36551 25161 37781 56340 69218
88129

(message repeated) Out. No "Attention"

13046 kHz, 02-10/06-10, 1345 UTC

918/37

31159 13316 50457 60883 33228 13670 79988 73955 65910 57191
60537 48384 63756 98116 54554 12811 47629 54162 41230 31905
77876 95710 39832 36901 51077 94157 76677 69481 47747 71554
61833 22885 74589 44125 04124 24642 14073

(message repeated) Out. No "Attention"

6397 kHz, 02-10, 1605 UTC

235/37

07960 81538 86066 45775 43605 40030 07312 40555 43538 79887
70219 74265 38070 20595 14044 68111 34178 99696 02454 23170
88434 96342 81246 10067 25841 83693 42538 22311 93755 22127
64187 85539 03123 83672 49542 76828 64562

(message repeated) Out. No "Attention"

5844 kHz, 03-10/06-10, 1730 UTC

409/34

64223 97562 21660 28597 48974 67780 79516 37932 62907 79108
66687 45992 83394 61939 37996 11076 68657 76888 11779 35885
19108 04739 39901 51095 10285 61183 31038 85659 62040 65860
60938 00925 51010 14457

(message repeated) Out. No "Attention"

10302 kHz, 04-10, 1300 UTC

583/33

36014 62831 11692 48713 65368 49187 48808 09883 62628 72140
53719 97670 96894 42370 40238 19849 26591 67376 94444 98499
06869 59552 74784 04913 24416 08498 56727 23516 83929 37681
28974 36884 60711

(message repeated) Out. No "Attention"

7864 kHz, 04-10, 1730 UTC

410/34 Attention

80903 76591 10660 90227 02263 46000 31863 05798 08449 42682
55484 86527 17939 52268 20507 78357 39033 67076 61814 49404
80106 71475 06179 90826 47815 29934 83027 71492 36063 82311
13121 65291 91962 62376

Attention (message repeated) Out

7840 kHz, 05-10, 1000 UTC

302/38 Attention

53268 07034 99660 94374 99641 73550 87720 79708 61357 56250
51898 91679 32277 77361 67859 45337 18019 77631 06506 48261
35111 43511 30370 93430 73800 82594 62562 29192 44857 84381
44000 37460 60547 53041 55140 99077 08413 23089

Attention (message repeated) Out

13873 kHz, 05-10, 1650 UTC

925/40

56155 36742 66063 88291 82144 96135 51361 25173 05142 48894
92641 71314 14817 16474 90435 09054 70850 52172 04635 97092
73865 97096 46958 14980 21941 61463 58629 30848 86132 00931
50445 59382 67746 25372 52076 87758 96973 37956 42100 39640

(message repeated) Out. No "Attention"

6397 kHz, 07-10, 1605 UTC

235/37

07960 81538 86066 45775 43605 40030 07312 40555 43538 79887
70219 74265 38070 20595 14044 68111 34178 99696 02454 23170
88434 96342 81246 10067 25841 83693 42538 22311 93655 22127
64187 85539 03123 83672 49542 76828 64562

(message repeated) Out. No "Attention"

13470 kHz, 07-10, 1745 UTC

244/32

37690 04036 38984 85140 11061 42108 02992 22480 33081 78351
58575 02320 52695 69787 11102 29424 52182 00603 30991 29897
33572 27240 78979 40321 87756 38728 46908 37953 30000 83325
57650 68842

(message repeated) Out. No "Attention"

8186 kHz, 07-10, 2005 UTC

369/39

08884 06181 95182 90348 28587 30797 11422 11112 89254 34020
09657 95702 82691 00823 40448 27991 10995 07296 58766 06680
15347 55994 48755 05693 86151 13897 53899 30125 37085 63487
83297 95853 64851 67928 58726 08457 20538 16035 84503

(message repeated) Out. No "Attention"

12153 kHz, 08-10/10-10, 0640 UTC

948/22

78249 70894 23325 85475 02890 93684 32503 73719 19092 05602
78931 84412 40725 52680 74612 68379 24422 04376 13790 99696
66431 05184

(message repeated) Out. No "Attention"

7317 kHz, 08-10, 1045 UTC

691/25 Attention

36563 22149 83660 24180 08696 62923 39935 16261 07568 63458
92887 29481 24072 60670 73752 88401 36203 33305 40880 68072
97921 78479 28390 89370 52583

Attention (message repeated) Out

20286 kHz, 08-10, 1225 UTC

521/32

24872 59341 84982 42145 30191 99902 68057 94479 32390 47504
82170 81949 87771 29130 18568 40660 96730 28647 80471 32676
04382 57848 05419 05625 03901 85348 50884 19344 68741 70141
38540 11279

(message repeated) Out. No "Attention"

10800 kHz, 09-10, 1645UTC

337/38

50902 36971 93657 77668 72412 43161 19587 27380 29229 66130
06737 54875 61875 87121 19030 07783 24683 31284 55103 71673
38913 60934 47689 45113 00159 33081 06223 71846 57127 81100
88814 73587 10030 59898 91699 13090 88544 86124

(message repeated) Out. No "Attention"

10620 kHz, 09-10/11-10, 1925 UTC. Very poor

556/40

69248 11181 20049 57499 63912 41535 94261 23840 42404 56934
72823 26085 22669 65125 39126 42017 94242 70261 33227 x0611
20935 07136 52343 58018 30791 89198 61395 89298 61490 64903
63045 57309 38892 89718 22721 27404 55855 32722 79197 26345

(message repeated) Out. No "Attention"

10800 kHz. 11-10, 1645 UTC

335/31 Attention

70090 88900 92418 81310 63119 16465 73518 57728 16737 89781
31577 35005 27143 04254 13196 42744 28653 84983 05078 03805
20619 28862 21553 68473 44257 99217 42453 11075 34966 38738
54050

Attention (message repeated) Out

8186 kHz, 13-10/14-10, 2005 UTC

360/40

58859 82705 89661 76750 29184 23954 55990 36076 36327 53940
51174 28658 55044 76307 54513 02140 81271 65328 43873 46319
37683 27834 36001 17240 57114 20298 02958 18120 92046 60383
52944 05803 90359 90921 10712 53145 10147 15201 35334 41553

(message repeated) Out. No "Attention"

13470 kHz, 15-10, 0600 UTC

182/25 Attention

15397 64698 47745 67104 41657 68173 92134 04104 16519 02597
43701 64725 76508 89912 14985 99927 64595 03913 18276 52063
10269 47350 19547 76686 01004

Attention (message repeated) Out

10448 kHz, 17-10, 1625 UTC

972/31

70797 20625 46562 75466 41344 44219 22125 88103 82424 49269
14759 16619 31282 83196 72957 36698 48770 12034 08867 38826
20221 91780 34525 01020 69492 28809 69961 85457 38539 82584
79780

(message repeated) Out. No "Attention"

10246 kHz, 18-10, 0845 UTC

157/35 Attention

27747 61325 10167 71024 17209 37199 36237 02415 58172 02944
69878 84481 55603 61789 21862 90078 73460 33642 95913 11394
60091 91523 81271 23497 51178 19408 58505 64551 66814 39725
37093 67398 68749 19533 28487

Attention (message repeated) Out

13470 kHz, 19-10, 0600 UTC

182/25 Attention

15397 64698 47745 67104 41657 68173 92134 04104 16519 02597
43701 64725 76508 89912 14985 99927 64595 03913 18276 52063
10269 47350 19547 76686 01004

Attention (message repeated) Out

9200 kHz, 21-10, 0805 UTC

313/40 Attention

83627 21223 64680 93578 40784 32236 15331 02285 05812 11456
83871 67320 48458 43642 53944 40865 89196 99999 75344 63647
73745 37819 72955 48634 55341 52557 32869 14251 31926 02737
08730 84829 43553 96229 28989 39364 37850 34460 18912 25794

Attention (message repeated) Out

Note: 18th groups is 99999.

13046 kHz, 23-10/27-10, 1345 UTC

910/35

90527 12870 59727 71233 00147 10040 39310 94636 07065 36826
16959 28819 78656 48261 09427 61702 06903 65478 74510 08984
22063 61563 08402 87253 90007 56202 53351 85080 25006 69692
81639 36931 38188 36937 69430

(message repeated) Out. No "Attention"

6397 kHz, 23-10/28-10, 1605 UTC

231/36

14378 74638 43056 86583 31541 50836 37359 62736 11362 75316
79468 73494 10537 91804 17680 49586 67776 05528 14011 75017
93092 45763 59537 67468 98599 10232 14902 76179 50147 55752
19940 77004 54616 72022 24258 88517

(message repeated) Out. No "Attention"

6807 kHz, 24-10/25-10, 0930 UTC

278/38

34655 19380 79965 91696 84120 89239 44682 20229 70911 85687
30123 11602 05893 83412 62203 72563 29041 41750 03851 72956
48038 64139 99375 68908 63663 19580 44021 31920 29913 46622
07144 14787 18251 20666 43947 31923 23317 26635

(message repeated) Out. No "Attention"

5371 kHz, 25-10, 0820 UTC

430/38

30385 02795 44030 29023 15160 94862 91611 23967 96671 99594
 33079 54590 64245 16549 02394 13158 50975 53313 46932 53132
 95911 37483 69599 75249 60143 19979 40553 76098 60108 19362
 98478 67033 88665 63481 70743 78907 91153 30614

(message repeated) Out. No "Attention"

8530 kHz, 26-10, 1910 UTC

610/37

32795 16650 72261 17317 89158 87092 70700 47668 15823 99662
 02845 93850 52992 82219 16533 40657 37442 44320 92452 10637
 14221 78409 50258 10286 44626 11032 29881 88077 47898 73873
 74919 96359 84720 43266 60024 65129 21858

(message repeated) Out. No "Attention"

8102 kHz, 27-10/28-10, 0710 UTC

496/38

17736 73983 09433 28096 44467 00445 84271 75572 67639 32812
 18683 39401 03939 09186 10221 43933 64189 33839 68629 89314
 34783 24275 08776 47605 86183 39056 59633 67730 76317 52066
 02462 63161 91652 03339 25921 49150 19412 37607

(message repeated) Out. No "Attention"

7727 kHz, 30-10/31-10, 1205 UTC

466/35

16105 07534 41087 63366 08210 91091 29975 04118 02608 06715
 95992 05019 24251 08349 04580 17494 70919 70117 82227 38795
 41641 96791 03802 21485 53672 43069 28753 61400 61611 54309
 11096 29396 85838 49685 72966

(message repeated) Out. No "Attention"

E17z**14260/12930 kHz, 04-10/11-10, 0800/0810 UTC**

674 832 5 83208 37829 47458 42867 39654 832 5 00000

14260/12930 kHz, 18-10/25-10, 0800/0810 UTC

674 810 5 52401 63919 93699 14600 74248 810 5 00000

G06**5934 kHz, 11-10, 1830 UTC****5930 kHz, 25-10, 1829 UTC. Early start**

579 273 62

64537 27364 28374 34736 39291 27384 37438 28372 27480 94832
 74563 38458 83492 29310 18237 74391 37281 17283 84032 72362
 84393 67482 56464 69738 26491 32642 13794 83842 23810 47131
 95437 82683 73913 74592 43618 74932 74924 74297 43621 94724
 84538 85937 34021 83929 90184 72641 84829 74826 48231 83732
 72642 85914 38539 34752 75392 83482 75637 73892 95736 64612
 84759 76491
 273 62 00000

5442 kHz, 12-10, 1930 UTC

5442 kHz, 26-10, 1929 UTC. Early start

947 273 62

64537 27364 28374 34736 39291 27384 37438 28372 27480 94832

74563 38458 83492 29310 18237 74391 37281 17283 84032 72362

84393 67482 56464 69738 26491 32642 13794 83842 23810 47131

95437 82683 73913 74592 43618 74932 74924 74297 43621 94724

84538 85937 34021 83929 90184 72641 84829 74826 48231 83732

72642 85914 38539 34752 75392 83482 75637 73892 95736 64612

84759 76491

273 62 00000

S06

9463 kHz, 23-10, 1220 UTC. Test transmission, numerous breaks. S06/S06b variant

801 (R4) 543 2 98723 14729

801 (R1) 672 53

45618 39898 19651 18671 32677 10246 25856 18029 51104 10456

66771 19511 30818 09525 59434 43527 25027 04230 16408 71333

07169 72583 56838 19406 34753 61771 89870 73474 22276 21494

25115 63211 90407 18658 89851 63410 83640 94352 57666 57694

73578 49048 18193 05627 90055 66955 42656 89197 47282 15483

24911 36734 57189

672 53 00000

9463 kHz, 23-10, 1410-1446 UTC. Test. Many errors. Announced 54 groups, but sent only 52 groups. Copied by Avare.

801 off

801 once

801 923 54 49681 39121 69139 77173 51437 40029 28340 16700 17755 70410 51082 68877 92349 18852 05279 73141 46788

90124 24525 21180 33038 86720 86 off 36 0953

801

801 46788 90124 24525 21180 33038 86720 09536 32854 06829 44393 99600 82219 off

801

801 09536 32854 06829 44393 99600 82219 01499 20139 off

801

801 32 off

801

801 24525 21180 33038 86720 09536 32854 06829 44393 99600 82219 01499 20139 06242 34579 57014 570 off

801 01 801

801

801 01499 20139 06242 34579 57014 56059 26271 80511 33862 67538 76427 77806 66476 29174 35920 56900 55109 13204

66483 09739 49382 84876 75897 59618 923 54 0000 (4 zeros)

801 66483 09739 49382 84876 75897 59618 923 54 00000

Compiled message:

801 923 54

49681 39121 69139 77173 51437 40029 28340 16700 17755 70410

51082 68877 92349 18852 05279 73141 46788 90124 24525 21180

33038 86720 09536 32854 06829 44393 99600 82219 01499 20139

06242 34579 57014 56059 26271 80511 33862 67538 76427 77806

66476 29174 35920 56900 55109 13204 66483 09739 49382 84876

75897 59618

923 54 00000

S06s

After all those years I still wonder what the purpose of S06s is.

S06s sends a message 10-minutes apart on 2 frequencies. They are repeated the next week and the remainder of the month it sends null messages. Messages are repeated not only the week after the first transmission but often also on later dates; even weeks or months later. Often with one or more groups added, or one or two groups slightly changed. I haven't seen this behavior from its sister station E17z. Below are several examples of transmissions between 1 January and 30 September 2018. You can clearly see what I mean.

8417	03-1-2018	0820	Wed	471 269 5	49314 47194 40583 33705 32293	269 5 00000
9262	03-1-2018	0830	Wed	471 269 5	49314 47194 40583 33705 32293	269 5 00000
8812	04-1-2018	0930	Thu	314 590 6	49314 47194 40583 33705 32293 44266	590 6 00000
9540	04-1-2018	0940	Thu	314 590 6	49314 47194 40583 33705 32293 44266	590 6 00000
8417	10-1-2018	0820	Wed	471 269 5	49314 47194 40583 33705 32293	269 5 00000
9262	10-1-2018	0830	Wed	471 269 5	49314 47194 40583 33705 32293	269 5 00000
8812	11-1-2018	0930	Thu	314 590 6	49314 47194 40583 33705 32293 44266	590 6 00000
9540	11-1-2018	0940	Thu	314 590 6	49314 47194 40583 33705 32293 44266	590 6 00000
12140	16-3-2018	0930	Fri	516 942 7	49314 47194 40583 33705 22292 44266	84320 942 7 00000
13515	16-3-2018	0940	Fri	516 942 7	49314 47194 40583 33705 22292 44266	84320 942 7 00000
12140	23-3-2018	0930	Fri	516 942 7	49314 47194 40583 33705 22292 44266	84320 942 7 00000
13515	23-3-2018	0940	Fri	516 942 7	49314 47194 40583 33705 22292 44266	84320 942 7 00000
11945	02-1-2018	0800	Tue	352 801 6 35861 33432 89319 32494 37142 32842 801 6	00000	
13195	02-1-2018	0810	Tue	352 801 6 35861 33432 89319 32494 37142 32842 801 6	00000	
11945	09-1-2018	0800	Tue	352 801 6 35861 33432 89319 32494 37142 32842 801 6	00000	
13195	09-1-2018	0810	Tue	352 801 6 35861 33432 89319 32494 37142 32842 801 6	00000	
14580	16-4-2018	0900	Mon	872 935 6 35861 33432 89319 323494 37142 32842 935 6	00000	
13165	16-4-2018	0910	Mon	872 935 6 35861 33432 89319 323494 37142 32842 935 6	00000	
14580	23-4-2018	0900	Mon	872 935 6 35861 33432 89319 323494 37142 32842 935 6	00000	
13165	23-4-2018	0910	Mon	872 935 6 35861 33432 89319 323494 37142 32842 935 6	00000	
12110	04-7-2018	0730	Wed	735 982 6 35861 33432 89319 32494 37142 32842 982 6	00000	
14977	04-7-2018	0740	Wed	735 982 6 35861 33432 89319 32494 37142 32842 982 6	00000	
12110	11-7-2018	0732	Wed	735 982 6 35861 33432 89319 32494 37142 32842 982 6	00000 Late start	
14977	11-7-2018	0740	Wed	735 982 6 35861 33432 89319 32494 37142 32842 982 6	00000	
11780	05-1-2018	0930	Fri	516 940 7 35415 40864 38771 39943 40136 35073 40262 940 7	00000	
12570	05-1-2018	0940	Fri	516 940 7 35415 40864 38771 39943 40136 35073 40262 940 7	00000	
11780	12-1-2018	0930	Fri	516 940 7 35415 40864 38771 39943 40136 35073 40262 940 7	00000	
12570	12-1-2018	0940	Fri	516 940 7 35415 40864 38771 39943 40136 35073 40262 940 7	00000	
15855	20-3-2018	0600	Thu	438 291 5 35415 40864 38771 39943 40136 291 5	00000	
16485	20-3-2018	0610	Thu	438 291 5 35415 40864 38771 39943 40136 291 5	00000	
15855	27-3-2018	0600	Tue	438 291 5 35415 40864 38771 39943 40136 291 5	00000	
16485	27-3-2018	0610	Tue	438 291 5 35415 40864 38771 39943 40136 291 5	00000	
7410	02-1-2018	0730	Tue	427 863 5 33699 39998 30667 35947 83964 863 5	00000	
11532	02-1-2018	0740	Tue	427 863 5 33699 39998 30667 35947 83964 863 5	00000	
7410	09-1-2018	0730	Tue	427 863 5 33699 39998 30667 35947 83964 863 5	00000	
11532	09-1-2018	0740	Tue	427 863 5 33699 39998 30667 35947 83964 863 5	00000	
7365	01-5-2018	0730	Tue	427 985 6 33699 39998 30667 35947 83964 40774 985 6	00000	
11655	01-5-2018	0740	Tue	427 985 6 33699 39998 30667 35947 83964 40774 985 6	00000	
7365	08-5-2018	0730	Tue	427 985 6 33699 39998 30667 35947 83964 40774 985 6	00000	
11655	08-5-2018	0740	Tue	427 985 6 33699 39998 30667 35947 83964 40774 985 6	00000	
10230	11-6-2018	1200	Mon	831 904 5 33699 39998 30667 35947 82964 904 5	00000	
12165	11-6-2018	1210	Mon	831 904 5 33699 39998 30667 35947 82964 904 5	00000	
15945	03-7-2018	0600	Tue	438 907 5 33699 39998 20667 25947 83964 907 5	00000	
16945	03-7-2018	0610	Tue	438 907 5 33699 39998 20667 25947 83964 907 5	00000	
15945	10-7-2018	0600	Tue	438 907 5 33699 39998 20667 25947 83964 907 5	00000	
16945	10-7-2018	0610	Tue	438 907 5 33699 39998 20667 25947 83964 907 5	00000	

8812	18-1-2018	0930	Thu	314 267 5 52401 63919 96699 14600 74248 267 5 00000
9540	18-1-2018	0940	Thu	314 267 5 52401 63919 96699 14600 74248 267 5 00000
8812	25-1-2018	0930	Thu	314 267 5 52401 63919 96699 14600 74248 267 5 00000
9540	25-1-2018	0940	Thu	314 267 5 52401 63919 96699 14600 74248 267 5 00000
11530	07-3-2018	0830	Wed	745 261 8 52401 63919 92699 14600 74248 48754 65125 41879 261 8 00000
12140	07-3-2018	0840	Wed	745 261 8 52401 63919 92699 14600 74248 48754 65125 41879 261 8 00000
11530	14-3-2018	0830	Wed	745 261 8 52401 63919 92699 14600 74248 48754 65125 41879 261 8 00000
12140	14-3-2018	0840	Wed	745 261 8 52401 63919 92699 14600 74248 48754 65125 41879 261 8 00000
9145	19-3-2018	1200	Mon	831 405 6 52401 63919 92699 14600 74248 48754 405 6 00000
11460	19-3-2018	1210	Mon	831 405 6 52401 63919 92699 14600 74248 48754 405 6 00000
12140	20-4-2018	0930	Fri	516 270 8 52401 63919 92699 14600 74248 95632 14326 46521 270 8 00000
13515	20-4-2018	0940	Fri	516 270 8 52401 63919 92699 14600 74248 95632 14326 46521 270 8 00000
12140	27-4-2018	0930	Fri	516 270 8 52401 63919 92699 14600 74248 95632 14326 46521 270 8 00000
13515	27-4-2018	0940	Fri	516 270 8 52401 63919 92699 14600 74248 95632 14326 46521 270 8 00000
10290	15-6-2018	0930	Fri	516 243 7 52401 63919 92699 14600 74248 49754 65125 243 7 00000
9655	15-6-2018	0940	Fri	516 243 7 52401 63919 92699 14600 74248 49754 65125 243 7 00000
4820	19-6-2018	1000	Tue	893 204 5 52401 63919 92699 14600 74248 204 5 00000
5660	19-6-2018	1000	Tue	893 204 5 52401 63919 92699 14600 74248 204 5 00000
10290	22-6-2018	0930	Fri	516 243 7 52401 63919 92699 14600 74248 49754 65125 243 7 00000
9655	22-6-2018	0940	Fri	516 243 7 52401 63919 92699 14600 74248 49754 65125 243 7 00000
4820	26-6-2018	1000	Tue	893 204 5 52401 63919 92699 14600 74248 204 5 00000
5660	26-6-2018	1000	Tue	893 204 5 52401 63919 92699 14600 74248 204 5 00000
8630	19-9-2018	0820	Wed	471 203 5 52401 63919 92699 14600 74248 203 5 00000
9255	19-9-2018	0830	Wed	471 203 5 52401 63919 92699 14600 74248 203 5 00000
8630	26-9-2018	0820	Wed	471 203 5 52401 63919 92699 14600 74248 203 5 00000
9255	26-9-2018	0830	Wed	471 203 5 52401 63919 92699 14600 74248 203 5 00000

S11a

11493 kHz, 01-10, 1015 UTC

471/31 Vnimaniye

49613 80097 11940 41332 32670 46366 14140 25504 61962 94263

20208 84342 43275 30722 08899 88234 47764 84349 55026 77120

33401 51282 81658 96308 10995 50082 05293 88363 58633 08572

03120

Vnimaniye (message repeated) Konets

5358 kHz, 02-10/05-10, 0455 UTC

327/35

71429 87861 61480 14862 23323 37020 73788 61570 90986 15083

37729 89530 65808 14756 01662 78707 38692 67017 61397 00813

34753 36825 36233 05982 38389 90336 52739 96690 45245 94648

28762 44393 24380 47281 73900

(message repeated) Konets. No "Vnimaniye"

10800 kHz, 03-10/06-10, 1540 UTC

569/40

60669 67831 23972 90054 73402 32953 29311 56527 34171 31732

51990 14626 12871 05886 22439 01688 16756 09501 09671 10066

30357 19189 52562 41424 42532 26436 78503 90618 01971 03806

05459 85043 78674 66788 19802 61455 38140 30467 86726 36045

(message repeated) Konets. No "Vnimaniye"

4356 kHz, 11-10, 2000 UTC

121/30 Vnimaniye

52489 63214 78521 03695 10247 98532 10145 78956 32013 25649

87563 21014 52301 79875 21301 23545 98750 32550 87456 23012

59875 62102 13654 98500 12654 96875 21032 12552 07553 69012

Vnimaniye (message repeated) Konets.

4909 kHz, 11-10, 2100 UTC

121/30 Vnimanaye

95135 74521 03201 39751 01321 46968 70326 54874 49864 23031
45648 78953 20321 56584 51025 48963 20147 85213 65201 49852
10236 54879 89510 32166 58489 95465 51002 32151 04555 55189
Vnimanaye (message repeated) Konets

9610 kHz, 13-10, 1000 UTC

121/20

58417 86578 65453 17458 67864 87465 87648 74874 87487 54578
87548 57478 54785 48574 57478 54857 45784 78547 54784 77887
(message repeated) Konets

4909 kHz, 13-10, 2100 UTC

121/30

51457 57575 45245 57557 57575 75775 12125 48779 65213 16579
88754 89877 84617 97946 46797 97987 43679 64389 35489 65432
89753 42768 95234 87695 34268 97546 89755 76895 26556 84586
(message repeated) Konets. No "Vnimanaye"

4356 kHz, 14-10, 2107 USB, i.p.

12558 67545 22433 66845 15021 45697 85663 21101 12547 78996
54212 00332 12665 47998 74753 00236 68752 20015 88720 12336
68556 32236 45218 90452 20222 43373 83105 05143 36687 62120
Konets

10213 kHz, 17-10, 1850 UTC

280/39

75376 52559 42720 14686 16205 11518 33445 50549 45468 16911
25466 32098 59335 77006 48917 82413 45919 84970 12424 74459
26557 94731 18086 24346 39710 97481 74513 12948 31711 11531
23143 25268 42586 36404 73390 93502 61614 54773 37193
(message repeated) Konets. No "Vnimanaye"

4016 kHz, 17-10, 1955 UTC

371/37

25589 05677 83537 36254 93231 82223 00006 29141 06534 60962
35233 22847 29297 29691 17255 86967 78896 09161 41056 64725
84606 98442 89849 72173 91452 71012 49349 84892 33505 53757
56992 46888 57878 37589 84926 03594 95063
(message repeated) Konets. No "Vnimanaye"

5358 kHz, 23-10/26-10, 0455 UTC

320/33 Vnimanaye

80093 32663 21373 70867 31678 38318 82466 84851 28252 43833
22664 72408 64194 42375 46809 83815 99957 77369 46829 53634
76583 31143 33018 50207 09846 59047 28569 11639 88690 20955
54458 47160 59279
Vnimanaye (message repeated) Konets

V07

Priyom published an interesting blog about V07:

<http://priyom.org/blog/priyom-pinpoints-v07-transmissions-to-khabarovsk>

Thanks guys!

15925/14725/13425 kHz, 07-10, 0100/0120/0140 UTC

974 974 974 1 6621 51 6621 51

94643 14348 18101 24324 72543 18250 37407 25823 16576 32639

47123 03844 79082 73575 68010 74390 94567 27207 34803 03527

52089 53963 38411 48842 40039 77378 79395 73175 53327 26653

45293 26739 76792 79788 38069 57323 18070 78647 86641 24433

49244 29739 55316 73469 41832 15765 87431 97215 06997 85714

27318 000 000

15925/14725/13425 kHz, 21-10, 0100/0120/0140 UTC

974 974 974 1 459 69 459 69

05344 39783 00417 37698 68470 57386 58683 76629 30040 02326

68895 50473 47067 10384 52345 84091 14200 54063 16718 87622

99548 64084 18701 75057 90702 69010 42124 84829 78905 52793

59913 04794 57793 92166 85759 36836 46788 27304 68070 89513

79636 62790 42210 70444 60553 17081 13055 13851 20909 08569

00692 28881 55141 10057 41820 73782 79905 72220 40728 54199

17830 20231 90437 96544 85747 13822 90723 20275 73481 000 000

V15 via PBS Pyongyang Pansong

657 12-10 1545 Fri North Korean intel on 657, 3320, 6400 kHz

3320 12-10 1545 Fri North Korean intel on 657, 3320, 6400 kHz

6400 12-10 1545 Fri North Korean intel on 657, 3320, 6400 kHz

V28

3517.8 14-10 1300 Sun Message in Korean

3051.1 14-10 1301 Sun Message in Korean

2998 18-10 1257 Thu Messages in Korean. Male operator

3050 18-10 1259 Thu Messages in Korean. Female operator

3518 18-10 1300 Thu Messages in Korean. Female operator

2831 18-10 1301 Thu Messages in Korean. Female operator

4494 31-10 2205 Wed Parrot. Messages in Korean

4629 31-10 2205 Wed Parrot. Messages in Korean

4981 31-10 2205 Wed Parrot. Messages in Korean

5146 31-10 2205 Wed Parrot. Messages in Korean

MORSE STATIONS**M01**

5475 kHz, 02-10, 1754 UTC: VVV

5475 kHz, 02-10, 1759 UTC. Early start

463 465 465 30 30 = =

39132 10711 83361 23565 95707 84927 33076 97657 99326 21492

48903 04783 07950 21884 93553 14873 34296 26342 06266 59446

21709 01516 68495 36075 19450 75316 22458 32504 21633 94896

= = 465 465 30 000

5020 kHz, 02-10, 2000 UTC

436 436 30 30 = =

07493 43832 33608 37544 54439 40968 33946 52282 84092 845771711

21324 43187 86559 78502 37204 (037204) 96231 11996 38935 32787

95688 29289 64789 52801 09594 36953 95657 74842 78860 35171 09176

= = 436 436 30 30 000

Three incomplete groups sent as one group and an incorrect repeat

6260 kHz, 06-10, 1500 UTC

463 811 811 30 30 = = =

28199 46642 47319 20664 16525 22245 83019 77936 59869 86105

58878 16437 66507 05516 99159 75855 20883 72177 22286 40249

54791 74886 60903 86259 21844 32427 29933 08066 75822 39832

= = = 811 811 30 30 000

6510 kHz, 07-10, 0700 UTC

463 814 814 30 30

93650 63823 70870 42511 66251 82698 76039 08021 62622 02392

95325 24475 94787 70256 73452 59646 16955 78191 59647 25903

52346 43868 11240 64971 36400 09711 21369 20685 21689 34147

814 814 30 30 000

5475 kHz, 09-10, 1800 UTC

463 675 675 30 30 = =

21588 84508 10157 84637 68204 06659 35504 10111 41233 11040

26556 (36556) 27291 60220 51191 01757 01541 31143 71703 14174 75578

70018 12507 74317 03336 12060 73700 43897 52229 07589 86276

= = 675 675 30 30 000

Different repeat between brackets

5475 kHz, 11-10, 1800 UTC

463 129 129 30 30 = =

57754 11879 51675 91888 71880 22413 21445 39813 84790 26274

10231 25284 39394 36914 26068 74470 43972 30076 20190 86049

50505 61172 24918 92337 52711 45262 41933 24132 41536 65249

= = 129 129 30 30 000

6260 kHz, 13-10, 1500 UTC

463 711 711 30 30 = =

98067 16841 02465 97055 55272 84018 20011 85579 26734 23196

07890 33312 48721 69806 75991 53348 14109 37007 60308 95083

62224 87521 17407 41641 30900 60320 61872 59342 40609 74684

= = 711 711 30 30 000

6510 kHz, 14-10, 0700 UTC

463 596 596 30 30 = = =

35461 28766 33153 54396 31141 75152 30573 27928 43757 89332

45792 19924 28443 09256 74671 17350 64742 49338 59359 48883

53350 43817 26246 97250 58395 55446 96915 09079 60336 89157

= = = 596 596 30 30 000

5020 kHz, 16-10, 2000 UTC

463 643 643 = 30 30 = =

88469 17412 92716 98054 79134 7904 27256 15593 52192 27791

76083 36491 68374 98766 83193 36417 02175 01425 56484 77414

77318 43806 64946 16725 70716 84439 47845 81429 21619 60282

= 643 643 = 30 30 000

5475 kHz, 18-10, 1800 UTC

463 426 426 30 30 = =
22263 54206 73553 14987 41346 73294 79491 82492 70030 31870
54742 47687 72843 48529 91793 29345 51485 41847 68367 62434
94078 77145 03314 46892 51519 81933 76932 08932 14261 68039
= = 426 426 30 30 000

5475 kHz, 23-10, 1800 UTC. Poor conditions

463 137 137 30 30 = =
64350 58217 59661 11414 04957 70872 22380 28569 42637 13023
98314 83069 78429 21144 61295 79816 20818 89067 37422 34251
29751 10872 94988 xxxxx xxxxx xxxxx xxxxx 22773 29368 92561
= = 137 137 30 30 000

5475 kHz, 25-10, 1752 UTC: VVV

5475 kHz, 25-10, 1800 UTC

463 315 315 30 30 = =
06398 97014 50470 99019 87426 75816 90691 00953 18013 86303
51678 23513 77282 78672 56436 10521 87661 82546 19596 28926
34343 85866 54333 55988 33689 24036 97101 78426 44519 86770
= = 315 315 30 30 000

6510 kHz, 28-10, 0655 UTC: VVV

6510 kHz, 28-10, 0700 UTC. Error in the header and first group

463 22. 211 = 30 30
71822 24061 31154 45112 77995 19022 81513 44772 61591 05588
22640 42676 93167 29698 10989 23231 11078 19045 58711 60216
42403 65110 53277 21816 63978 92119 24590 49125 95103 40447
= = 221 221 = 30 30 000

5475 kHz, 30-10, 1747 UTC: VVV VVV VVV

5475 kHz, 30-10, 1800 UTC

463 728 728 30 30 = = =
47015 36005 17492 61166 62430 72453 51503 76540 51316 67024
00844 93589 56399 01350 00239 02985 02768 17767 42479 06632
09783 96582 94670 87300 07846 53377 12721 94508 12445 15837
= = = 728 728 30 30 000

5020 kHz, 30-10, 2000 UTC

463 731 731 30 30 = =
20574 18146 14142 98389 31290 29839 97134 88099 71883 85560
48973 65922 97180 54756 05111 22357 46231 50965 58017 01774
97515 19858 07431 28618 75311 37488 30353 13030 50470 24819
= = 731 731 30 30 000

M08a - Dirección General de Inteligencia

8096 kHz, 11-10, 1400 UTC, i.p.

GGRGD GUGID NURAR TUNRA DTNGG ARGGA MWUAA WINAA GANUA NWUNW
 DIIWN DWAWA DRIDD GIADN IUWUT IINDA WNAWR WTDGA WRTRA RADTU
 WUINT GIARG TNAAN RNRNR IDGDU TDDIW DANDT IURUR NUUWI TIINN
 UTAWA TRRGR GDIIT RNRRA ARTDN RRDDR TNDNU INTAI RUAAN WTDWA
 UNDTR ADATT RRURN ADAUG IGWGR DUIDR NRIIN UAUGR WDGAR TAIAG
 TIGWT DDNID ARUTT WARDN ADAAA DUUNT DNRIU WUIIA DTINU AGGWA
 NITIU RAANI WNGWD RRGAW WWADG GWDWN DTDUG AGUUN ARWDA ADNNG
 RRUAT TAIWR WIRGR ITUNG RDGUA GTGTI NGWIU NNNNG NRTUI UNWAG
 UDWGT AWTNA NTRWD ANWNT NIDUG TDIDA AWAAD DAUAD IUGRG RIGUI
 RNGUR IRNNI TUDGT UUDWR TTATD ARDWA NGTAN NGIID RNGNT NWWDR
 RNDAT WATAI AIUGN IGIGW WIAAT WDTNW ANNRW GINTA DDIDU AIIWA
 UUGIT RRNGI AWGGU RIGIU ARIIT WRARU GIIWW GWWNN GAIND NRDUU
 ANIDW GWUNA GGIRN UIGTG AGRRT TINRI INATU +++

UWIWN UWIWN UWIWN UWIWN UWIWN =
 TGDND ITIIG NWGDI TGNRR AGTRR UNDAID RIAID DGDUD NUTGI NGGRA
 UWTAN RTDDU AARAI TRWTN GRRNU NNURU RDANI UGWRW NTDW UIANW
 RIDTR UNWGI DDAUU IAGAI IWGUT WTAAW NRWWU TUDNI WTGAW ADNAG
 UAWTA TWRAU DWNAG NUAUW IUUUR UGTTG ATAGA AWRUG RAURA ARTRN
 IDITU DGAWN WARIW NTGNU RAIWW TRDUA UAWGT RTUWA AWAAU UAIUN
 WIGAA WUIWW DIURR RNIWD TDGTA UNUDU WFTUA TTRND AUWRR RATUG
 RTUIN AUAGW DNDUW WUNAG NIDNR RTDDN INGIA WAWGR DWTNI NAWUN
 RTNAA AGWUW DRITD GNMTI ITARD UIDNA AIWTI UNNDG GIDUN GIGNT
 GARWI NADTG UWDRG TNIGU RIUTG IATUI NDRIA ADRWT TRITR NRTWA
 DDGSI GNTRW WNRAU AWGTR WGTND UTRAD UNUUR WDDRI WNRRRI TAAGT
 TUADD DWINR TNUNT ANDIU AWWTA UGUII TRIIN NDNAU RIIAG RDWIN
 UNRAI NGAWA DDWWI NARUM TDDAN DNUGR INAIN UWWUW IGWII DIARI
 IWWNG RIUWD UUUWA UDUUG TNNUA GGWWW ATDGA RWTDT NGIDI DNDGT
 UWRRN RWRRW stops and off

8096 kHz, 18-10, 1400 UTC. Started already i.p.

TU DRRRA GUWTN NGAWW WWADD IINUA GUNDR TGDWU UTRIT DDTNN
 WUWAT TDURN NTNNN GWDWD RAARI TITWN TDGAI RNNIR WGGEU TTTNW
 UIIWD ADARN DNARI WRANT WRWGN UAIUI AIWGG NUINW TGRRU DAWDU
 GITNW NIANG UUGGA NRAGW DAANA IIAWW WWWWN TUTTT DUTII ADRIA
 AUDDG NGGNI NRRIW NNAAI GURAU RNAAA WANWI DNNIT WGDRU ATRNG
 NATUW GGNTA TUIIW UIIDA ANWGR INAWD TIARI DGWRA ATNIT GUWRI
 UDIDD NITGW UWINW DUAAU IINWI AAIGN NDIRN DRDUT WNUGG IRART
 NDDDT IDNTG ANDTR RURGA TNRRT RIDDA TAIUD TWWDD WNWUR AUIDA
 IIRDD GANTG TWIGT TINAU IDRTN UUDIT ITURR TRWDT DRNII DRDWT
 IWUWU ATUNN DIGRR UIWNW RIUDW WRIAD RADRG UUTWU GIAAI WWAIW
 NWTRT GNUIU NTITD ANRUU INUGN GWWWR DITUD NIWDN NAUNG NUAUA
 GUUWR GNRG IRRAT NGDAW RTWRT RUWIA GGDWU WATUT DDRGD WIWGU
 + + +

TDRUN TDRUN TDRUN TDRUN TDRUN = = =
 GDRDT RAANU WUWWR GTNDT NGNWT IGDWD GUGDR TNWWD RUGNA ARUAT
 RIAWA UGDWW TIAGI DDDIW DTNTR RUWWG WUINN WDWWW TTTNI IDGRI
 NWGUG UDUUI GTRTN AADUG DNIWT INUNG IWTAU NWUUA IDNIA TITGU
 UIGTG UAIID URNWG NWWNW URDTD RGTAU GUIAA UGNIW IUWRA WDIGT
 RGNTT WWRRA WWRAD TDWDI ADNNT IDUTR TNUNI RTNTD AWGIW ADUTU
 TWIGA URDDR WTUTG UNGRR ADMTI NIDUN GNGTR WWRIG NWAGA NNTWW
 TNTAU UUGGI UDTUG DWTTR WAIIT URAUU DUUNU UATWW DUTWR RDTUG
 HWGUD DNNGW TIGII NDWTW RIWNR RDDR TNINW DAATD TRUTT RGARA
 AGNRM WIWGW WDDWG RIWUW TUWWA WUGRD INRNT TGUGR TWDTN AIWTU
 AIAGW GRWTI AAWRA DDWTD IGDAI NRIAA TDIGT UWRAI GRANA NTAGD
 GWTRA TUNWR AWGDT WURNR IUADI ATRNR UWIWN WGMWG TGRNR DNGAD
 RITTN DIINR TRTRW TUADD TTIMI NTTAN TDRWI NWTDW AGRAN UUUDI
 UUDIT IAARN DTRUT GTAID IGWTG NTANW IGDGG WRNID RTAIN GANTN
 AGINU DRUGT DAATU WDGIU RDUGT RNRIN UNAAI GWGII WNWAR NRTDU
 NNIWW RNRRA TUANA TUIWA IWIUD UNTRG RNUAD DIAAA UWUDT WTAWU
 + + +

NRTIA NRTIA NRTIA NRTIA NRTIA = = =
 IDWAI DWDRD UGDDU TTNGW DGRDN NAITD INRAR AUIUW UDWDD ATGTG
 ATTTI WADGR DNWUI IIUWN ITRUT IATTT DGGAT TNNWG TAAAW RDNTT
 AANRN GNAIW RGGDA WAITA DRWDR GIDGR GDWTI NNTRA UINII TRAAT
 RTWWT DUAGG ADIWT DITAW TIDTT WRNIN TUNGU GRAIU RDUWR NNUNI
 RGNTG GWTAW RITUG DTUUT UAGRT ANDUT WTNTN URUDR WADUT WRGTA
 NATRT WTRAR WRUWT WWNTU RINWA NDGID GGDWA TINDT NTGID AGAWN
 TWTDA RITTR TAUIG WWWIG WARDU GGITD TDDAU NNGGR WAWDR UWDNG
 DRDNI WIADG IAIUW GDTNW UGTTA GGINT ANNTT UGUNR NTTUA IWIIG
 RWWGA NIIIG RGNOW WGUTT DWRGG UNATD TAGNT DNWAA UANNR TGUGW
 IAUID IRURU GUAWA TIUTR NUNWA NRDUI TWUTU AATAI ATANT NDDNG
 ATUUR TTNUR WNIND NGDUN UAWWI UAAUI UTDGG NGRIU NUWDG RGTIG
 DNATN DTGTI ANUDU GATNI GIWAD UWTGN IUADR WNNTN WIGTI DUTTW
 NGITG RDWGD DNTDW GDDDR TNGIA AIRNN IUTNU TGANW ANAUN GGRSG
 ADMGW ATINW TITGI ANWAT GGTAI WGAGR RNRNI GWTDI TTRDI NRRTI
 DGWAT IGATN RTNTT WUNUG NWUAI IITDD GGNRD NGGNN INTND DWNAN
 + + + SK

M12

8047/6802/5788 kHz, 01-10, 1800/1820/1840 UTC

463 463 463 1 8717 96 8717 96
 26709 21245 88974 86657 34480 19827 02815 84294 08483 35859
 45279 88065 66949 62007 61027 54702 55988 64784 08682 58337
 52110 95158 23138 99831 01588 39580 75690 63765 70393 56012
 80958 34320 67092 54400 97697 36651 58248 77158 13268 70835
 05814 10167 28072 34755 78089 99643 92198 40543 76155 85173
 46515 62303 75344 31542 56108 81418 69817 02157 85267 88725
 77000 01371 05418 18281 19562 18628 66669 44769 19339 21093
 87838 40398 69580 01385 48431 90942 64175 21054 04545 89813
 15635 66986 77569 11229 40878 13032 53418 00504 77462 52770
 92305 15185 33065 89095 20109 82004 000 000

5814/5214/4614 kHz, 03-10, 2100/2120/2140 UTC

826 826 826 1 2484 57 2484 57
 91464 10287 56113 73561 95350 97157 68665 38967 33606 11827
 99658 58184 70099 72979 95034 21209 33281 38123 55522 67120
 06935 94711 20115 46188 08433 59712 51051 72459 77519 23784
 45923 98487 50396 10793 41316 24811 70547 53794 49055 35578
 68391 07195 88302 94542 29934 49575 21604 27709 06651 47872
 89559 83994 83516 94830 19363 82863 78991 000 000

14769/16269/18169 kHz, 04-10/07-10, 1010/1030/1050 UTC

721 721 721 1 4026 125 4026 125
 90155 92477 35100 07466 95027 08610 79122 79144 51147 05976
 23938 83487 86759 16821 93915 01179 63143 81357 94872 05336
 08781 87083 04653 11720 58931 10600 53903 97820 00879 57771
 04403 51307 87315 36671 09679 23086 86508 73058 94713 01036
 73976 88045 09439 12227 36114 28454 77272 96447 24226 23540
 16236 76902 30571 79645 06784 68137 93203 12726 90170 73099
 96833 37253 17504 67657 79229 32375 76996 75118 57600 26294
 47102 86434 60053 90056 83909 88051 05281 39745 22990 09863
 31290 96483 78662 29342 62091 00676 17770 67001 30328 10826
 05451 60495 64497 84194 91790 96139 15480 89419 90214 12706
 36374 72885 63693 26910 96730 81806 56342 85391 49929 02705
 53009 84381 34814 38449 99496 70261 05702 94733 78123 22465
 51392 88469 50161 36086 38039 000 000

14377/13461/12114 kHz, 04-10, 1700/1720/1740 kHz

317 317 317 1 8075 105 8075 105
23049 15722 52339 11405 31830 02214 99111 37092 30084 70860
54070 37960 14695 74807 14693 72887 58752 47710 27278 99799
08223 82040 20736 28435 75399 22046 20871 87840 57803 37596
71600 44465 61561 78469 68989 30403 55012 00163 69096 82758
72467 88702 71172 22907 27592 08507 87636 30407 16596 62669
98897 83355 80745 10105 73690 22857 33189 12606 31363 69359
60564 24656 65950 80949 83465 14832 18633 53456 01861 36114
17930 27383 82806 93033 19678 92273 48866 11780 09830 81763
15172 96317 49350 32139 68247 38438 53986 56120 74487 51910
79303 45578 47307 76859 72281 93506 30592 28828 35283 75711
29940 31118 91372 18190 19438 000 000

10343/9264/8116 kHz, 04-10, 1900/1920/1940 UTC

124 124 124 1 8644 119 8644 119
73866 54336 77542 39917 58507 16062 00165 35933 66108 17279
43148 35072 25814 88203 71192 92705 42717 17580 37525 19061
75108 66823 37108 37720 15990 30087 00935 24762 91310 93983
77079 69798 20153 65335 19055 28010 84994 59875 98043 29111
84315 61730 99689 90752 83107 59499 24848 80132 04232 10978
90192 26797 10461 53048 07742 42773 84996 54200 59187 91842
75665 75782 78349 84820 95316 69951 65025 67332 78206 22470
97178 54713 16258 50893 43723 96679 39056 71683 14749 88550
63301 76223 23591 01192 66388 96013 15856 65847 85436 17524
89122 49746 04781 99939 83363 39986 68028 39503 48747 10111
71780 23654 48361 80643 78975 64090 62058 97636 45560 89269
10832 90103 29708 69344 43656 65641 80817 13960 05429 000 000

6832/7932/9232 kHz, 06-10, 0500/0520/0540 UTC

892 892 892 1 2484 57 2484 57
91464 10287 56113 73561 95350 97157 68665 38967 33606 18827
99658 58184 70099 72979 95034 21209 33281 38123 55522 67120
06935 94711 20115 46188 08433 59712 51051 72459 77519 23784
45923 98487 50396 10793 41316 24811 70547 53794 49055 35578
68391 07195 88302 94542 29934 49575 21604 27709 06651 47872
89559 83994 83516 94830 19363 82863 78991 000 000

18639/17439/15839 kHz, 08-10, 1400/1420/1440 UTC

648 648 648 1 648 1 581 99 581 99
81685 31440 54679 74000 39967 97944 12107 04328 29530 61395
80114 24720 40460 60435 25982 37564 85827 14930 98701 91558
23951 57395 71183 77713 36930 71481 87369 46595 07799 66479
82277 54140 58290 95166 60159 17235 76149 88504 06569 47343
66126 73660 45599 73798 74838 12463 43579 60790 11488 08515
93066 79828 81256 63125 52993 69351 66977 80210 72111 05419
36790 43268 21256 73646 86817 44205 75258 57352 51013 10027
38921 14613 08729 98965 86455 77750 69631 56473 40195 13652
66838 69438 29566 63474 65569 56345 61843 46861 74225 82392
34355 93234 32653 49360 00631 84378 82014 64935 46208 000 000

8047/6802/5788 kHz, 08-10, 1800/1820/1840 UTC

463 463 463 1 701 97 8701 97
68694 20261 78883 20527 45902 15784 37858 22870 70116 54901
76667 13063 38322 64086 41128 18702 92367 96144 65068 62289
17076 67649 09195 61085 40793 79638 40796 50495 27198 88964
70628 48451 57068 65589 08738 48476 89078 27625 71615 32616
81150 69078 27276 00439 96441 52614 91105 51073 02417 00384
86239 40176 01235 77363 06748 82131 81240 27608 09318 78311
88823 50767 96893 36672 65155 60311 86522 00199 57630 30329
49559 39669 77241 55073 04923 13053 12455 77199 91166 31702
95241 73850 95383 00306 56776 29605 66815 55839 93407 69155
37934 45020 39224 56811 04596 86555 40293 000 000

10343/9264/8116 kHz, 08-10, 2000/2020/2040 UTC

124 124 124 1 9249 106 9249 106
47849 05967 84193 59290 00898 70658 52242 47640 33833 38050
66804 76159 80213 93217 08631 47605 89301 11972 93893 24346
14509 52020 27974 41096 80037 35433 12258 59072 49743 48005
45517 21772 40130 79770 41435 65042 76759 17896 57619 66625
04378 12719 81522 82975 22446 54145 65150 71878 51480 43692
76675 10707 55448 52509 74722 84048 83643 71925 06474 29163
95882 25736 74063 89811 59859 79186 73407 46650 76780 74150
70463 31230 62954 98854 06042 88801 48866 84832 97695 09945
92060 98044 38562 06305 67782 34719 72273 13683 14053 50943
74394 11355 66301 80974 95519 92747 22676 29812 99026 33763
12117 96141 42275 33644 54261 04287 000 000

18639/17439/15839 kHz, 10-10, 1400/1420/1440 UTC

648 648 648 1 581 99 581 99
81685 31440 54679 74000 39967 97944 12107 04328 29530 61395
80114 24720 40460 60435 25982 37564 85827 14930 98701 91558
23951 57395 71183 77713 36930 71481 87369 46595 07799 66479
82277 54140 58290 95166 60159 17235 76149 88504 06569 47343
66126 73660 45599 73798 74838 12463 43579 60790 11488 08515
93066 79828 81256 63125 52993 69351 66977 80210 72111 05419
36790 43268 21256 73646 86817 44205 75258 57352 51013 10027
38921 14613 08729 98965 86455 77750 69631 56473 40195 13652
66838 69438 29566 63474 65569 56345 61843 46861 74225 82392
34355 93234 32653 49360 00631 84378 82014 64935 46208 000 000

8047/6802/5788 kHz, 15-10, 1800/1820/1840 UTC

463 463 463 1 9059 96 9059 96
21370 35940 46489 67257 44498 15978 82446 20313 33127 36138
96786 66092 65790 28117 19748 87665 62571 52243 88178 70920
75688 94966 25601 37613 25910 31371 13880 60456 54454 22640
23647 47255 68346 75976 00325 42096 62819 90941 14982 72861
61024 58100 54182 93910 79430 69858 37841 27097 46416 41021
09724 81872 97865 20287 87730 18679 00264 94313 50262 89318
17207 25990 62566 64077 45333 74617 18199 64263 32163 01258
60596 53888 12682 79897 75536 51836 76801 02081 07867 70858
24177 86010 73682 94919 24113 86313 88854 31366 01690 00561
43646 61915 27059 95137 07013 39992 000 000

10343/9264/8116 kHz, 15-10, 2000/2020/2040 UTC

124 124 124 1 4705 011 4705 101
76326 85510 87697 16361 06733 68121 81660 91384 89417 81428
60197 98243 50759 82389 71529 26843 16669 34626 60093 28802
97996 48691 13477 51341 19369 64122 66903 16695 25730 33731
04731 96917 48477 85339 94440 20132 00585 79121 32158 25110
36450 91975 00209 10776 95495 55447 11347 24503 45256 99408
21859 92187 35785 08114 57495 83174 30868 76811 08639 14023
93079 54010 85980 10222 27770 37465 39869 62427 82772 51838
92379 05272 25743 85590 92329 49357 93104 39274 73517 02039
92117 85358 69297 48346 26376 18208 18064 10366 63571 39663
70361 96485 31824 33509 22391 03685 91565 03951 99531 89998
25688 000 000

5814/5214/4614 kHz, 17-10, 2100/2120/2140 UTC

826 826 826 1 4080 71 4080 71
49257 97469 02730 89545 40845 20514 10720 01786 77132 14714
14549 59481 37206 97784 01675 57863 73882 80478 79068 45169
48554 03622 87998 41494 29885 01045 54641 49090 90622 04748
94387 07785 13508 26894 83682 32379 80795 92301 15551 47565
81687 05389 97321 94253 59205 10961 72343 60714 84565 19003
61934 77505 47568 59834 03417 19846 89162 39972 23741 26113
64722 87507 50984 21614 86284 19647 13371 18341 94412 19898
79034 000 000

14769/16269/18169 kHz, 18-10/21-10, 1010/1030/1050 UTC

721 721 721 1 412 117 412 117
65175 71173 46334 90081 51296 47821 28153 98518 92784 85004
18088 30084 83103 34214 06973 69976 83071 08877 70788 67636
98374 94491 95726 32696 69709 18999 52508 38598 31167 37961
34637 88779 62300 02113 56865 37595 03787 72144 85787 17529
63573 48120 32444 61282 66893 63894 96144 13184 29719 89478
43819 69126 16982 08981 92404 92182 13036 13902 48019 47476
56094 49804 57220 42510 21232 24238 69645 31059 18672 43455
36048 65876 55701 49474 43445 50568 47743 70241 35827 30479
11747 26829 76063 16596 04848 49538 60576 51013 11360 52007
14001 01835 84197 51449 93341 70252 80343 60836 23172 63027
69690 53147 73965 60248 90957 22018 09567 87871 56776 70679
65612 78926 05660 37334 46725 76145 38933 000 000

14377/13461/12114 kHz, 18-10, 1700/1720/1740 kHz

317 317 317 1 1204 107 1204 107
64366 80750 13620 80834 36777 39228 16921 36373 60988 23728
71630 52393 24603 91503 59137 73950 22653 51523 05523 60510
85211 09404 36655 31834 79462 97766 14112 11500 66806 46095
12470 04425 52868 86678 52244 58396 17575 11165 90738 56143
60162 42726 22623 72487 18824 80360 21204 46554 20685 75426
88382 72509 91971 15047 15421 04242 87360 63932 52868 18138
64072 88814 68187 20461 38874 34309 34612 85557 62332 00173
34818 95819 35851 96841 86418 86490 11598 87808 46122 15358
30889 66118 76118 12612 19160 37199 83149 71292 56922 20861
24187 87543 75881 45494 64528 69530 12317 55340 72655 47513
54760 47704 29168 70971 24356 96136 31921 000 000

18639/17439/15839 kHz, 22-10/24-10, 1400/1420/1440 UTC

648 648 648 1 1450 133 1450 133
47983 16082 43994 95907 60138 34297 81267 22995 31676 09163
81710 16642 01341 50633 30461 65227 56984 85907 77277 01428
11468 80636 79926 66800 60499 34774 06899 90749 10057 11128
53538 55694 26653 07216 63555 33941 33756 33768 40584 53416
37828 12323 91411 24483 76737 08094 42933 46245 21980 21110
01936 07337 61064 13726 72138 42847 79342 23290 11339 64951
50482 96993 25690 18406 37113 18601 38946 92162 92419 50120
35711 40070 87110 53280 33247 39664 01450 57975 63582 04879
89823 63690 83738 89779 56716 34940 25934 76831 46138 22446
04480 28474 92460 12509 61732 83954 99697 09486 04646 35768
76343 83876 48917 06707 93084 71997 48341 28717 40694 79120
56613 47980 85719 37307 69151 43024 79174 06452 73545 26629
35994 58893 36922 76995 18393 13211 20773 50135 04082 59162
29173 20240 85777 000 000

8047/6802/5788 kHz, 22-10, 1800/1820/1840 UTC

463 463 463 1 4542 91 4542 91
41097 71518 85079 75183 36186 19731 14194 63765 83745 17317
89394 96380 36392 80243 44789 51176 07070 08091 59279 70376
69731 26818 92571 97163 97160 56083 51752 44739 67877 76239
26592 44366 47596 26688 87799 10571 48690 92016 12000 84658
58763 58893 31962 30892 52680 61200 88458 11915 46865 44668
36988 83677 80048 44711 77765 41609 71355 92061 01494 94363
88418 80287 38062 88705 48638 26907 06332 75126 88314 47235
02333 70524 45637 68734 24190 72546 91500 23538 22727 58601
08818 07703 28460 88197 95538 71041 90879 85227 34617 86716
5875 000 000

10343/9264/8116 kHz, 22-10, 2000/2020/2040 UTC

124 124 124 1 6454 107 6454 107
80095 90330 96171 31831 75858 37917 38895 19739 45974 75295
83603 43223 77269 71552 52482 34006 61474 56901 17192 09405
34197 49913 68980 50996 10599 29026 53013 66905 33788 68112
65432 93733 60232 57618 73965 65683 92679 66399 96368 82962
34878 96604 39633 54287 82304 14818 70458 50099 98664 30423
97477 30805 72522 65939 19204 04247 59065 31173 84248 84125
96807 52333 65334 13318 93299 36104 11835 33922 05761 14013
78851 83506 82376 29110 85996 24126 48885 43348 32983 02969
63368 40742 01520 02449 12650 42156 27885 59677 62538 85597
86425 38193 22054 30767 42802 87341 48236 04128 29162 10366
67961 53808 06373 76536 87070 27226 79797 000 000

14416/13416/12216 kHz, 24-10/26-10, 1210/1230/1250 UTC

442 442 442 1 264 69 264 69
94319 50966 23691 97032 62015 42403 84599 70569 90506 19840
46800 69217 19423 32152 07627 02845 15228 62262 58795 51381
03032 08363 80019 99761 84998 75978 30387 00994 27118 81481
66558 18010 94877 05993 93532 45509 32188 72524 46390 12629
80416 31818 89776 19927 02534 07420 95088 31594 30754 21295
85265 61556 76972 03614 01941 27062 34552 75528 03747 27915
79551 54734 46313 95575 11486 64300 10271 05347 75624 000 000

10343/9264/8116 kHz, 25-10, 1900/1920/1940 UTC

124 124 124 1 5264 112 5264 112
 99816 06452 15966 17917 01944 82514 78874 61318 02313 83790
 07103 55655 04826 51954 02370 80602 17374 57559 28531 27529
 08871 74572 73027 31843 63485 91625 21541 86167 73158 45879
 86524 72072 59166 89989 41405 31511 59750 46253 95915 88713
 17888 54315 20560 06739 54977 15693 97109 76008 68197 64708
 55557 38207 91203 67709 36865 76245 90291 28522 25244 97637
 86111 11945 31706 46306 38272 67945 54364 50081 78352 13902
 06083 12142 28074 21040 76435 20742 06510 59952 57215 45165
 56501 89104 07582 87361 93969 24745 65433 11103 71968 19691
 96551 98952 12695 23372 06236 23028 35902 01566 99590 38417
 85064 28461 25535 00904 81447 24716 53240 00625 55276 36884
 93089 62749 000 000

5794/6794/8094 kHz, 27-10, 2100/2120/2140 UTC

770 770 770 1 555 77 555 77
 69928 79329 71672 65148 51083 43046 08601 88884 27350 20248
 47407 25835 84326 54589 13084 33739 24381 01274 18098 72890
 51290 41023 76034 16378 06412 78566 04150 31110 66268 02170
 72911 46846 61735 53530 21084 87962 12182 21214 25615 64988
 74163 65929 04851 40523 31058 87587 89954 25026 67480 23351
 13423 50884 15082 05749 68130 66009 83149 43701 56202 99233
 04264 77749 83988 37042 58514 83645 21953 05624 05550 12775
 96168 69709 69209 76944 11052 59455 26523 000 000

8047/6802/5788 kHz, 29-10, 1800/1820/1840 UTC

463 463 463 1 1799 98 1799 98
 23511 03701 36017 57452 87976 78988 78654 10979 00471 90705
 57266 10624 42174 34342 65730 89934 81451 36748 09117 12983
 49827 72935 90058 59464 95693 76785 23123 19845 89970 89315
 56849 60457 21270 66122 72399 25519 63624 50471 14057 42694
 97408 45961 45412 73410 22137 30416 67638 91781 50309 03392
 49928 55185 55001 66548 24657 84029 99979 33540 11047 53383
 51374 40906 95498 51743 10988 76287 02132 98168 88379 32318
 45709 23370 72424 76093 48971 70443 94505 04126 56829 95080
 17328 19983 57209 73322 63934 34374 67421 23028 38134 47973
 32501 62233 51851 24024 98881 44859 60275 98482 000 000

10343/9264/8116 kHz, 29-10, 2000/2020/2040 UTC

124 124 124 1 4880 101 4880 101
 60200 34902 46158 92605 61758 91306 85972 41334 03180 29567
 99471 19845 82056 65778 22999 06160 61590 80399 95766 68164
 07890 61758 98987 90619 22440 19256 25638 22309 06421 25373
 15815 28200 29367 17204 31530 60659 13338 62847 43697 68037
 50749 40821 99135 72397 14723 49679 74852 50089 10841 36264
 05779 48239 05728 91135 26053 33902 85343 76220 55182 81883
 90975 71216 48283 84867 51982 10199 32864 14043 80405 74411
 09854 61618 53757 57270 99365 71238 99983 40629 89466 74712
 52046 33305 45732 83757 00007 13475 21750 29391 61656 86503
 78899 24108 09876 81133 99296 88347 15967 03360 32315 68180
 88713 000 000

M14

M14, 4874 kHz, 05-10, 2000 UTC: 735 735 735 00000
Switched to E06 at 2008 UTC: 111 111 111 00000

18041 kHz, 08-10, 0500 UTC

952 487 487 50 50 = =

04132 70599 06308 55247 44643 03606 25836 36591 26019 64518
 04380 18274 74459 82952 58067 96147 20289 40768 22441 54147
 89298 72573 73736 64449 72329 57344 05737 65470 83999 55846
 35621 84884 46539 73541 37264 99843 59657 53677 25404 51602
 42381 30228 39138 56707 57804 95400 98161 81976 56686 61368
 = = 487 487 50 50 00000

18041 kHz, 09-10, 0500 UTC

952 301 301 60 60 = =

36623 56810 12541 94294 89185 72406 48074 27983 79059 35481
 64696 80913 10687 17838 44350 52424 03873 09095 63132 38008
 86155 72320 38208 07653 03257 89994 26395 42483 21022 67498
 10331 09384 17313 86303 33191 78307 87274 24060 67870 11938
 10417 83765 31572 82410 52954 99199 81756 94763 03835 08827
 54359 21827 67895 15327 30247 80211 64590 72974 40824 02104
 = = 301 301 60 60 00000

5947 kHz, 09-10, 1820 UTC

346 707 707 42 42

89734 67523 56423 45678 45398 87943 76834 67843 67854 89056
 78654 89543 87645 98007 00578 56743 09854 67230 63028 56489
 42367 98054 34578 32189 01017 65732 98023 56723 78932 (78923) 01234
 55677 (54677) 78923 56743 75623 07089 45467 01925 01023 56723 92934
 65723 76534
 707 707 42 42 00000

Different repeats between brackets

18041 kHz, 10-10, 0500 UTC

952 486 486 50 50 = =

88815 04456 11145 23945 94425 52687 65609 24819 51620 53073
 91047 26879 22882 47289 17198 60625 44765 13404 85845 67189
 58951 14874 64542 10666 92610 96116 93223 54973 61519 91858
 99689 84979 94375 42431 44855 76530 01732 32220 83735 45103
 38007 93446 53084 27760 29991 42457 21630 78087 70296 40736
 = = 486 486 50 50 00000

17458 kHz, 10-10, 0930 UTC**15994 kHz, 11-10, 0930 UTC**

617 958 958 77 77 = =

94050 33976 86900 19778 26460 81682 57295 97174 13194 52353
 04731 62630 28800 88516 21017 16530 93539 19380 74635 63102
 33744 38382 60734 04746 86177 22111 36520 06053 67117 57484
 33383 64084 09603 31828 27162 22658 33513 80061 92191 97485
 46712 05908 57732 51080 29264 00615 17747 56530 19761 49454
 90346 67259 87715 79464 73355 90172 24326 23274 83375 23571
 37768 99602 22315 90016 10441 77761 54488 98304 21607 19698
 10422 57805 97121 79432 18862 48184 25350
 = = 958 958 77 77 00000

5463 kHz, 10-10, 1929 UTC. Different repeats between brackets

537 707 707 42 42

89734 67523 56423 45678 45398 87943 76834 67843 67854 89056
 78654 89543 87645 98007 00578 56743 09854 67230 63028 56489
 42367 98054 34578 32189 01017 65732 98023 56723 78932 (78923) 01234
 55677 (54677) 78923 56743 75623 07089 45467 01925 01023 56723 92934
 65723 76534
 707 707 42 42 00000

18041 kHz, 11-10, 0500 UTC

952 701 701 60 60 = =

20941 36719 09952 27052 88347 04394 10410 84186 70422 07609
44888 19614 17701 69626 57614 68987 56091 33145 02873 82719
07545 32411 49327 66301 85436 38863 52004 59013 81839 66258
21655 99439 88879 46201 46155 51251 21362 10019 43648 87666
32856 37931 52117 58047 42419 61432 85066 85065 14158 29840
08003 65862 56806 76938 15411 75659 35513 48658 12894 97245
= = 701 701 60 60 00000

18041 kHz, 12-10, 0500 UTC

9 then off

18041 kHz, 15-10, 0500 UTC

952 407 407 50 50 = =

21338 07611 47321 20348 46556 51450 12580 63559 80306 74198
23945 46685 18358 31143 15055 98931 86788 27943 65554 50226
68810 23506 59212 40591 45364 01711 86289 50699 41671 72910
94825 77067 96925 91167 20538 00308 99329 98143 50024 19894
53634 29584 96953 53852 73397 45346 95932 26851 15134 68889
= = 407 407 50 50 00000

18041 kHz, 17-10, 0500 UTC

952 764 764 50 50 = =

92232 54264 81196 41250 01115 86632 11249 74642 94178 34719
26738 33530 26590 40436 42673 95177 70774 71461 00159 53665
14880 32272 15295 33113 72651 32294 13713 29133 34430 59634
92946 89437 13947 33804 79828 69545 70607 35891 75084 24525
11954 39606 02327 22707 05982 91651 03630 92309 58019 14837
= = 764 764 50 50 00000

18041 kHz, 18-10, 0500 UTC

952 310 310 55 55 = =

55080 34102 85454 98262 41667 76243 65531 62183 62451 03544
06333 24698 52627 67731 20286 91865 37095 41335 85144 03017
40320 60717 27919 94153 22069 98508 55777 96206 87457 07618
44856 22848 44764 04013 22924 27539 09422 80461 06824 34510
77646 68415 80639 73344 18133 90222 25530 71868 55247 68868
37146 87032 42169 87409 91597
= = 310 310 55 55 00000

18041 kHz, 19-10, 0500 UTC

952 648 648 50 50 = =

77839 75308 72744 37075 02901 70004 05961 65789 79458 16842
55999 73264 93374 19812 91228 18403 99492 29776 24142 29574
44123 75618 60843 20765 89566 05638 01797 64090 20387 37645
86029 79575 36103 41182 95991 28169 59995 00309 65236 18920
18717 30391 56122 66237 72388 47338 99727 58205 99869 12710
= = 648 648 50 50 00000

18041 kHz, 23-10, 0500 UTC

952 186 186 55 55 = =

89335 10816 66619 44109 31261 27290 42508 87523 50141 40394
49882 75357 52621 11844 14774 00050 87305 91664 97346 87588
84983 13085 35103 57292 76305 74631 22123 61768 10324 26627
10282 36740 22362 04261 43376 15416 24634 74434 60092 87105
18053 88566 26767 04754 48672 58532 85865 71094 57186 97948
31123 I missed the last few groups

5946 kHz, 23-10, 1722 UTC

Test: 174 84652 75895 79484 99185 13824 56041 29845 16002
66248 55712 94445 21149 37180 54286 70663 27775 78507 55642
08652 85311 73814 21359 54805 74440 70641 48202 04682 17307
33404 76109 83458 59003 51518 91N off. Switches to 5938 kHz

5938 kHz, 23-10, 1730 UTC

Test: 829 97959 27850 29584 off

5938 kHz, 23-10, 1820 UTC

346 825 825 53 53 = =
64532 37645 87465 97352 35241 93672 16253 94673 27534 91625
84673 27354 74653 92673 93863 10923 46537 82635 47653 92635
37465 37425 26354 81542 93654 97213 27635 48763 87425 63724
34251 74657 83645 92135 83542 83627 24352 46536 84673 26534
92534 83564 72431 98354 62435 14231 74653 86546 63523 37647
73546 53421 26534
= = 825 825 53 53 00000

18041 kHz, 24-10, 0500 UTC

952 437 437 50 50 = =
49882 75357 52621 11844 14774 00050 87305 91664 97346 87588
89335 10816 66619 44109 31261 27290 42508 87523 50141 40394
84983 13085 35103 57292 76305 74631 22123 61768 10324 26627
10282 36740 22362 04261 43376 15416 24634 74434 60092 87105
18053 88566 26767 04754 48672 58532 85865 71094 57186 97948
= = 437 437 50 50 00000

18041 kHz, 25-10, 0500 UTC

952 601 601 55 55 = =
06348 59861 81918 71687 78243 25963 96205 15459 25859 43294
56374 70092 99144 66073 30855 39445 00858 00453 87188 20172
84067 35777 67110 70930 66946 62290 93775 42237 50775 04934
59544 09107 52120 27956 67772 73961 85099 90014 27043 31139
54690 54440 21280 11597 47002 84378 04172 48602 27468 77473
91357 32428 82875 19793 48794
= = 601 601 55 55 00000

18041 kHz, 26-10, 0500 UTC

952 483 483 50 50 = =
57231 17251 21031 14604 62205 55751 10490 90727 07194 03628
69906 14851 97280 72798 66372 34903 09487 10257 19296 45161
76405 59998 28810 22061 33999 45758 08098 80025 69494 54232
18738 39501 30311 23472 30452 24386 79965 66146 57148 31046
11879 82351 39232 36095 57043 41666 72704 35132 46460 39117
= = 483 483 50 50 0000

18041 kHz, 31-10, 0500 UTC

952 376 376 55 55 = =
09332 99862 05015 16037 36343 83302 67545 72443 22578 62745
42335 15402 88209 73897 57103 04496 11007 79891 73972 57626
91974 18251 18042 62677 57426 20991 16624 42403 28164 19274
91293 83475 03465 17082 69976 65626 60545 47318 11227 51826
39218 18795 57916 25439 76394 91538 62486 85283 24149 90840
50991 34543 38021 67512 18077
= = 376 376 55 55 00000

M21 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)

5201 kHz, 05-10, 2108 UTC

=99009??0????? =990010??0????? =990011??0?????

M89 - Chinese military

4949 kHz, 07-10, 1034 UTC, i.p.

UD75 7AD4 77D4 D4T5 74A7 TA33 (Cont'd)

III = N6A6 N43A AD53 3N3N 756U (Cont'd) AR K

AS (Other station also on this frequency)

R 4P GA 109W

R GA

HR 99W W ? EEEE F EEEE ?? K

HR 7G GA K

R GA K

R = NUT ? NU7N 3AU6 7AU6 N43A 45NT 4U37 (Cont'd)

4067 kHz, 09-10, 1601 UTC

D744 7DT6 6T6T 54U3 3U75 7T6U (Cont'd)

II K

R O EEEE 03P 01W GA = T65T 4655 NTAA N75A (Cont'd) AR K

R GA

R GA

R GA

R GA GA

R QSL 0024 K

VA VA

5185 kHz, 18-10, 0954 UTC, i.p.

14419

NR 0133 42 1018 18 EEE 1830 45212500 14.19

QTR ?

1830 (Both stations on this frequency)

QTR

QTR 1830

R 1830 ?

R R

W1AA =

.8481 50700 64577 23835 93619 77930 43105 96277 99354 12334 (Cont'd)

(Station receiving message sends EE after every group. At times sends ? which results in the sending station repeating the last group)

5403 kHz, 18-10, 0925 UTC

CW4 (x3) DE Y2LF (x2) V

CR NL ERL NE DE

CW4 (x3) DE Y2LF (x2) V

CL CL DE DE

CL CW E

CW4 (x3) DE Y2LF

CL CL E CL

DE

LI0Y QSA 2 QSA ? K

NIL SK GB

DE

6N3V QSA 2 QSA ? K

NIL SK GB

DE

5YNI QSA 2 QSA ? K

NIL SK GB
DE
YV9L QSA 2 QSA ? K
NIL SK GB
DE
Y.U2 QSA 3 QSA ? K
NIL SK GB
DE
IUS. QSA 2 QSA ? K
NIL SK GB
DE
6INY QSA 2 QSA ? K
NIL SK GB
DE
VUI1 QSA 2 QSA ? K
NIL SK GB
DE
3LEU QSA 2 QSA ? K
NIL SK GB
DE
YLU9 QSA 2 QSA ? K
NIL SK GB
DE

3348 kHz, 19-10, 1730 UTC, i.p.

0127 0127 K
NIL SK GB
2DDJ DE UGL3 VVV
OK QSL QSL 0131 0131
NIL SK
2DDJ DE W5AK K
OK QSL 0130 0130 K
OK QSL 0130 0130 K
R NIL SK
R GB
LDNJ2DJ ?
VVV 2DDJ DE 7JFL K
QSL 0133 0133
QS ANIL SK GB
VVV 2DDJ DE Q52A
OK QSL 01 0 1 QSL 0135 0135
NIL SK GB
VVV 2DDJ DE MP5C K
OK QSL 0136 013E EEEEE OK QSL 0136 0136
R NIL SK GB
R QSL 0138 0138 K
NIL SK GB

4326 kHz, 23-10, 1643 UTC, i.p

VVV FFF
VVV FFF CQ63 RMKS 9732 TO 3939/3872 UGT COMM AAES =
32042/3939/0200/117NRN EEEEE 117NR/9732 III =
32042/3939/0200/117NR/9732 AR

5556 kHz, 27-10, 1126 UTC, i.p.

7G NR 320 CK 100 33 0910 EEEEEERM EEE
7G NR 320 CK 100 33 0919 2000 RMKS 7953 TO 8560 TO 7953 K
7G = = ND75 3T.4 UD.3 (Cont'd)
(Note incorrect month and day in message header)

5544 kHz, 27-10, 1129 UTC

VV QOSC (x3) DE CEA6 (x2) K K
 QSA 1 QSY TO HR TO HR K K
 VVV QOSC DE CEA6 K K
 QSA 1 QSY NR 1 NR 1 K K
 VVV QOSC DE CEA6 K K
 VVV QOSC DE CEA6 K K
 QSA 1 QSY NR 4 NR 4 K K
 QSA 1 QSY NR 4 NR 4 K K
 VVV QOSC DE CEA6 K K
 QSA 1 QSII
 QSA 1 QSY 1111 K K
 VVV QOSC DE CEA6 K K

M95**5700 kHz, 14-10, 0817 UTC**

V EFZK DE GMQM K
 R QSA 2 K
 N QSA 1 K (Other station also on this frequency - a bit off frequency)
 R IEC = 1323 AR K (Normally associated with Exercise)
 R IEC = 1849 K
 R 7G TO U K
 R .. GA K
 R 7G NR 053/CCK CK 19 03 1014 1619 RMKS 7546 TO 8376 K
 R GA
 7G GA =
 A6N4 73DT U56A N437 T5UD T653 7DUN A4UN 7536 4DTA U34N (Cont'd) AR
 R HR WK NR 124 12 K
 R HR WK NR 1241F K
 ...116 K
 R SK
 R SK

5733 kHz, 14-10, 0825 UTCVVV LU0Y (x3) DE 1IYL (x3) CL

R QSA 2 QSA ? K
 R IEC = 7931 AR K (Normally associated with Exercise)
 HR MSG GA PSE CY HW
 R MSG MSG NR 299/CC 199 36 1014 1300 RMKS =
 4363 TO 4883/5634/4343/4990/4993/4933/4323/4383/4973/4783/43.4 TO 4363 AR K
 R MSG 01P GA = = =
 D6T7 D4N7 DN74 U3A7 7AN4 TU3D 3T5N 6U7A A746 D3A5 UND7 (Cont'd)

4243//9054 kHz, 18-10, 1150 UTC, i.p.

NR 36 CK 107 35 1018 1600 =
 UTU TAD 3U6 3A4 ... 773 35A (Cont'd) AR
 MSG AGN
 NR 36 CK 107 35 1018 1600 =
 UTU TAD 3.6 3A4 TTU 773 35A (Cont'd) AR
 A HR MSG GA
 NR 010 CK 15 35 1018 1633 =
 UT5 TAD 3U6 3A4 TTA TTU TT3 773 35U UTT
 534 UT4 445 4D6 63DA AR
 MSG AGN
 NR 010 CK 15 35 1018 1633 = (Repeats message)
 35. UTT 353 4.T 44. 4D6 3DA AR
 ... UP SB WK

4364//8073 kHz, 18-10, 1140 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0921 CK 37 35 01 DA55 U =
TAT N5U TAD N53 DN5 (Cont'd)

4243 kHz, 23-10, 1140 UTC, i.p.

NR 047 CK 23 35 1023 1545 =
5AA UTT TU3 3U6 3A4 TTU TT3 773 35U 4TA N3D 4AA 445 3DA 4D6 TT4 773 4TA N3D 4AA 4.5 3D. 4D6 AR
A HR MSG GA
NR .6 CK 168 35 1023 1605 =
UTU TU3 3U. 3A. TTU 773 35A U4T (Cont'd)

4364/8073 kHz, 27-10, 1142 UTC

V BNGC (x3) DE XSV85 (x2)
HR 7GS GA PSE CY (1142z)
NR 0951 CK 179 35 1027 1513 =
TU7 3U6 3AN 3U7 TAU 773 353 4T3 NN3 (Cont'd)

4243//9054 kHz, 27-10, 1148 UTC

VV HR MSG TO YR PSE CY
NR 54 CK 17. 35 1027 1520 =
UTU TU7 3U6 3A4 7TU 7TA 7T7 73U 7UT TTU (Cont'd) AR
A HR AGN
NR 54 CK 172 35 1027 1520 = (Repeats message)

DIGITAL MODES

HM01 - Dirección General de Inteligencia

HM01 repeated the message of 10 September all month long: 76813 48131 74746 34442 58778 18481

Files: 36137681.TXT 34054813.TXT 37267474.TXT 14653444.TXT 27835877.TXT 50441848.F1C

<http://www.numbersoddities.nl/RDFT-2018-10-26.zip>

See further MDK2's monthly report below.

You can decode the RDFT signal with DIGTRX, a program that is used by the Cubans too.

<https://www.qsl.net/py4zbz/hdsstv/HamDRM.htm>

Oddities:

16180 kHz, 02-10, 2129 UTC Radio Habana Cuba instead of HM01

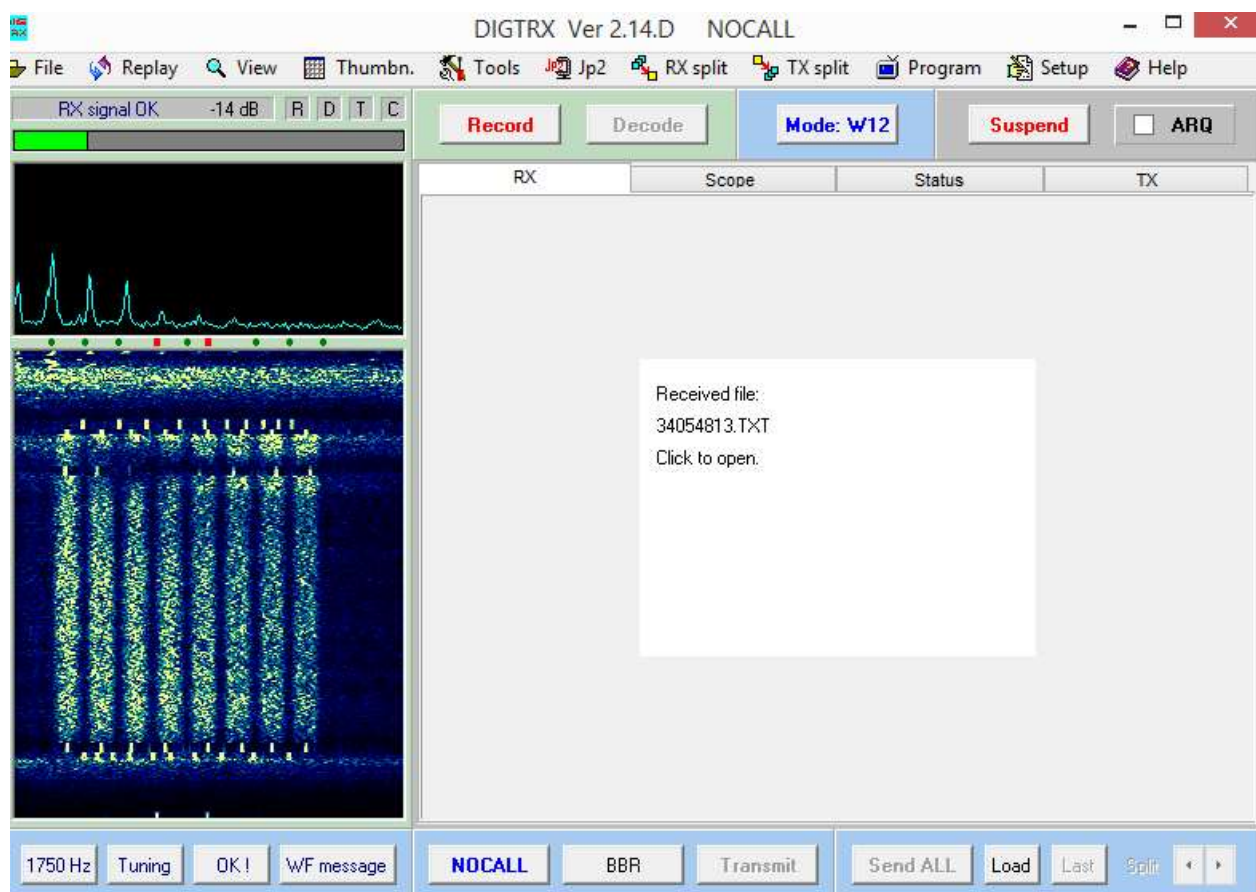
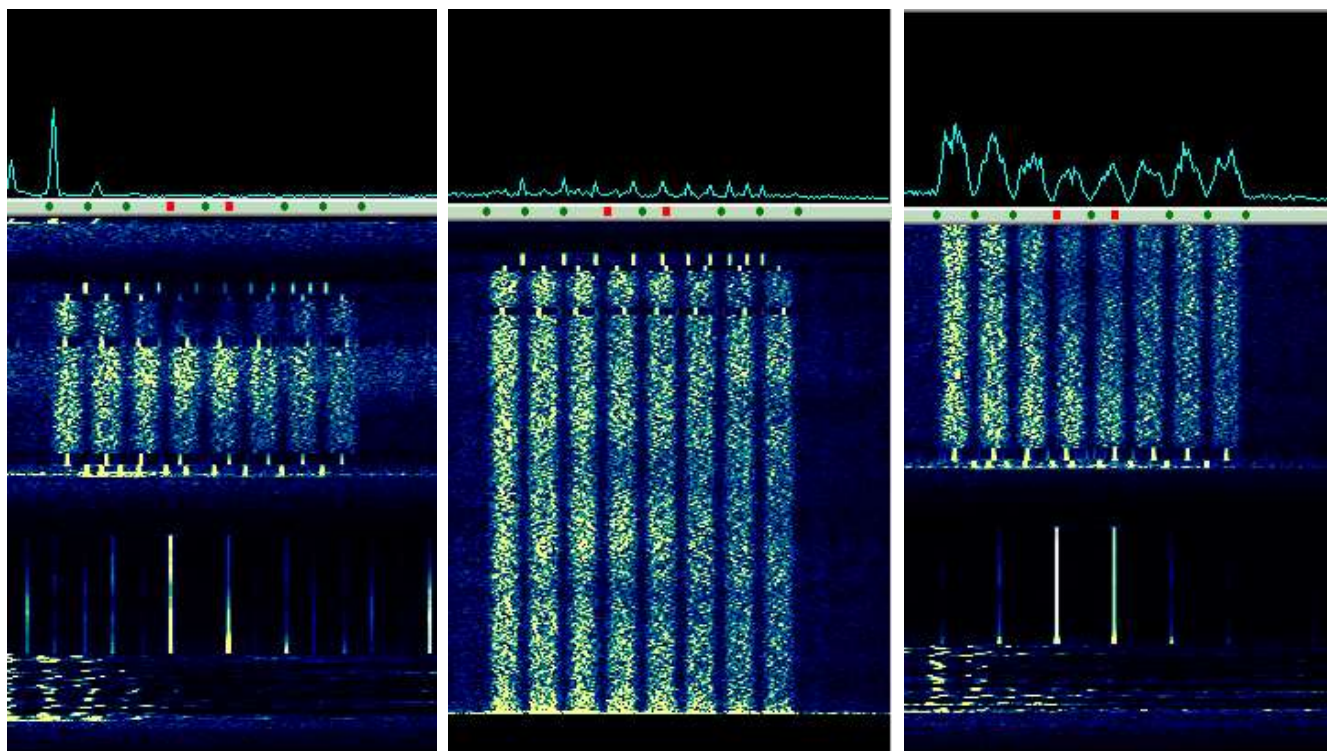
17480 kHz, 02-10, 2159 UTC Radio Habana Cuba going on until 2159z then HM01.

76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)

10860 kHz, 20-10, 0500 UTC At 0504 broadcast started over from the top.

11530 kHz, 25-10, 1655 UTC Radio Habana Cuba followed by HM01 at 1700 UTC.

76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)



Pictures: DIGTRX decoding RDFT

HM01 RDFT file log by MDK2

The entire month of October, and stretching back 52 days in all, HM01 has sent the same number sets and files.

Date (DDMMYYYY):	Numbers:	File name or repeat:	These files were first sent on September 10 (*) or on August 23-24 (**). HM01 has been transmitting the exact same number groups and files since September 10.
01/10/2018-31/10/2018	76813	36137681.txt *	
	48131	34054813.txt *	
	74746	37267474.txt **	
	34442	14653444.txt *	
	58778	27835877.txt **	
	18481	50441848.f1c *	

HM01 RDFT file reference

All October RDFT files have been logged.

Sort by file name

File Name:	Numbe: group:	Date first transmitted (DDMMYYYY):
14653444.txt	3444#	10/09/2018 *
27835877.txt	5877#	23/08/2018 *
34054813.txt	4813#	10/09/2018 *
36137681.txt	7681#	10/09/2018 *
37267474.txt	7474#	24/08/2018 *
50441848.f1c	1848#	10/09/2018*

* these files were first transmitted in August or September 2018 and continued to be transmitted into October. Please see Numbers & Oddities # 251 or 252 for information regarding their initial transmission and a link to the August and September 2018 files.

Sort by Date

Date (DDMMYYYY):	File name or repeat:	Numbers:
23/08/2018	27835877.txt	5877# *
24/08/2018	37267474.txt	7474# *
10/09/2018	36137681.txt	7681# *
10/09/2018	34054813.txt	4813# *
10/09/2018	14653444.txt	3444# *
10/09/2018	50441848.f1c	1848# *

Sort by number group

Number group:	File name	Date:
1848#	50441848.f1c	10/09/2018 *
3444#	14653444.txt	10/09/2018 *
4813#	34054813.txt	10/09/2018 *
5877#	27835877.txt	23/08/2018 *
7474#	37267474.txt	24/08/2018 *
7681#	36137681.txt	10/09/2018 *

F01, F06, F06a, M42, M42a, M42b & X06

Russian Government & Intelligence



M42 – various modes

13427	10-10	0813	Russian diplo/intel i.p.	3000Bd PSK-8/45Bd MFSK-66
11150.5	10-10	1146	Russian diplo/intel i.p.	MFSK-66
14970	17-10	0808	Russian diplo/intel i.p.	MFSK-66
12163	24-10	0653	Russian diplo/intel i.p.	MFSK-66

11136 kHz, 03-10, 1830 UTC.

Test: 464646464646464646

11136/9074/7723 kHz, 03-10. 1840/1850/1900 UTC

Null message:)576 100000+++++++162

13453/16263 kHz, 08-10, 0740/0750 UTC

80304 42512 70490 54017 44146 26370 86413 95954 26710 79175
 47813 76413 57156 43211 13255 22560 71503 66072 39533 36890
 72501 06914 77314 60643 41608 64010 23482 63913 47637 27339
 48599 04977 70007 33908 44184 42532 77926 93746 10417 53193
 18174 12041 00000

Link 00116 via Cuba

20966 kHz, 05-10, 2230/2330 UTC**18954 kHz, 05-10, 2240/2340 UTC**

11177 00116 54846 05044 01259
 79202 37592 28973 61293 19478 45036 10632 06155 47656 93745
 25474 43078 68843 14920 68926 64950 48717 27226 10615 94909
 17711 59776 73656 39481 29390 88509 63856 11598 48103 04444
 76317 59621 78574 18597 53883 18964 33386 04888 97764 30309
 25405 94692 24775 48128 93680 21051 10850 64625 86284 72406
 29908 13110 34039 19693 38056 64004 62675 69872 82996 02761
 32159 91491 07587 04804 29610 42220 55290 28380 40919 62544
 99360 50294 35174 31469 42264 12889 28886 83833 38047 68906
 87903 33732 65265 87960 41048 70862 47939 28301 78915 49257
 49945 93570 81997 82534 90201 96212 07311 90567 74064 74858
 26066 46289 60701 01377 26452 02909 94510 37886 04676 09759
 78533 83793 78741 90988 58437 13809 79932 43712 20217 51741
 71117 04085 16621 44123 00000

20966 kHz, 12-10, 2230/2330 UTC**18954 kHz, 12-10, 2340 UTC**

2240 UTC not heard; probably because there was another F01 at the same time.
 Possibly using the same transmitter.

11177 00116 79042 11045 01369
 12475 58077 37793 20782 07146 11288 71010 79076 93364 98469
 97801 43594 38552 83182 70526 11788 67749 00271 62048 22332
 72454 16804 88352 47475 65769 70323 80525 15115 89336 78625
 10008 28870 15080 71513 39482 36090 70200 04081 19939 91264
 79328 75604 69689 68598 70785 87805 28572 57917 39699 87736
 52840 64966 59628 87570 22913 81376 14920 18634 20594 49199
 34125 72601 41535 77332 07476 81893 72706 47029 16382 85920
 34771 65546 81051 89181 09739 12626 65054 31987 76873 25435
 75659 58331 99617 14025 80169 70513 29996 06430 54145 85199
 67905 97668 18929 54627 67171 86807 86696 18596 61755 63025
 98238 61661 34096 82642 30507 28023 54307 18874 22121 72636
 08870 89984 26878 59836 47159 44200 00817 19909 34731 78253
 12129 26469 69940 95107 23328 71619 12146 07365 22439 64674
 62996 78752 67471 18066 45134 00000

14434 kHz, 01-10, 0025/0125 UTC

14439 kHz, 01-10, 0035/0135 UTC

11177 00117 35773 26044 02049
12318 13892 45100 13300 02224 79854 78600 64375 81093 02643
86708 19816 48501 59706 28950 27281 77979 88980 52024 37300
15800 04753 14201 30048 22024 58408 42542 75752 28660 09126
94828 27867 70945 42239 65743 94406 02284 31119 00025 76919
87651 14857 66914 36769 76090 76687 76653 76972 64075 40128
01520 71649 53511 00708 16414 98622 52327 39015 06979 28998
93636 04496 64198 04905 50160 28849 83449 17576 24255 05297
76812 03287 46380 49797 51378 09521 32733 23861 60919 15094
96824 65347 47140 48334 61554 66967 56430 02538 50566 73408
08153 51140 11857 85160 91249 01443 25132 60696 80867 54460
55391 50496 74309 66045 82868 53401 77808 97839 72502 48062
65663 41713 08290 10816 78821 38935 41227 79140 47876 80861
45259 38843 05931 46253 20009 80967 21448 49844 19680 93638
95017 19826 75939 97973 50419 41436 42276 18511 30644 75382
73537 48001 64583 12295 54631 20651 94468 10812 98868 20249
81564 68635 74240 27201 61949 96942 02368 92867 35359 59799
05210 20636 94840 84482 42779 93984 08059 09182 87684 89837
07196 30148 66661 78296 59437 82887 60491 22246 02398 68697
26889 88168 04844 29645 54705 76435 37328 30866 97193 71235
70260 73718 47689 63969 75605 27663 24360 43637 49429 38245
43224 74161 44202 00000

14434 kHz, 08-10, 0025/0125 UTC

14439 kHz, 08-10, 0035/0135 UTC

11177 00117 83473 08045 01449
96480 81022 97564 63797 49170 60853 94154 15549 83852 22703
46363 34439 72589 02476 57133 38510 87635 08041 13593 41508
35659 90763 76150 65081 22691 04274 03280 37003 49274 25244
38608 92231 83422 45175 71698 13337 98670 48481 68521 99606
49908 93148 96773 71221 50904 01374 11303 21756 54221 72416
57859 27364 79722 16302 15650 03466 02589 50608 37821 05855
07382 30777 69119 08988 03706 92177 97627 15884 56568 48838
75245 05732 72134 94195 74122 16202 29743 56140 31277 98107
60102 51971 31206 87492 44591 28960 64094 54663 99521 30991
34585 73389 55386 03361 87051 10300 45424 99949 81639 33461
56172 29281 24786 37723 72537 68136 40358 50998 02490 12006
39083 87310 05031 80179 10359 48469 29030 33794 99194 20659
56114 37273 39244 49938 32954 39495 57390 72729 05041 79362
12539 18870 52791 96368 46672 74100 64437 34721 79568 95521
59916 21053 45142 00000

14434 kHz, 15-10, 0025/0125 UTC

14439 kHz, 15-10, 0035/0135 UTC

11177 00117 59312 11046 01539
00868 23850 59268 52836 78726 62970 37235 17894 16435 48733
50145 70789 93946 45556 06269 92965 53867 36026 93087 65240
06854 94683 23622 47049 65464 25161 37712 10890 13485 82206
36105 74200 33904 33424 53811 31581 33975 44967 21013 77639
10411 86434 77074 53072 99302 79952 08359 65630 20747 30167
57889 07803 10367 32215 33828 58086 93374 37139 64202 95746
49123 18138 92451 00133 00022 24798 54786 00643 75810 93026
43867 08198 16485 01597 06289 50272 81779 79889 80520 24373
00158 00047 53142 01300 48220 24584 08425 42757 52286 60091
26948 28278 67709 45422 39657 43944 06022 84311 19000 25769
19876 51148 57669 14367 69760 90766 87766 53769 72640 75401

28015 20716 49535 11007 08164 14986 22523 27390 15069 79289
98936 36044 96641 98049 05501 60288 49834 49175 76242 55052
97768 12032 87463 80497 97513 78095 21327 33238 61609 19150
94968 24653 47471 40483 34615 54669 67564 30025 38505 66734
08081 53511 46152 00000

Link 00127 via Cuba

18562/17446/14968 kHz, 11-10, 2240/2250/2300 UTC

This one is in fact two messages, one with postamble "02006 00000" and the other with "01125 00000", but they were sent under a single header that counted all groups. (Danix)

11166 00127 83574 11001 01379
11111 11111 11111 00055 00055 00055 02006 00000 00000 00000
50904 01374 11303 21756 54221 72416 57859 27364 79722 16302
15650 03466 02589 50608 37821 05855 07382 30777 69119 08988
03706 92177 97627 15884 56568 48838 75245 05732 72134 94195
74122 16202 29743 56140 31277 98107 60102 51971 31206 87492
44591 28960 64094 54663 99521 30991 34585 73389 55386 03361
87051 10300 45424 99458 81639 33461 56172 29281 24786 37723
72537 68136 40358 50998 02490 12006 39083 87310 05031 80179
10359 48469 29030 33794 99194 20659 56114 37273 39244 49938
32954 39495 57390 72729 05041 79362 12539 18870 52791 96368
46672 74100 64437 34721 79568 95521 59916 21053 21976 82064
33690 48512 97380 92318 74163 85501 26485 62526 91331 52694
46074 37900 22690 35587 17060 41302 96093 54364 31910 94562
59177 41191 38749 31387 93884 01125 00000

18562/17446/14968 kHz, 12-10, 2240/2250/2300 UTC

This one is a repeat of the previous day, except with the E06a/S06b-style message removed and the message priority changed. (Danix)

11177 00127 83574 11001 01279
50904 01374 11303 21756 54221 72416 57859 27364 79722 16302
15650 03466 02589 50608 37821 05855 07382 30777 69119 08988
03706 92177 97627 15884 56568 48838 75245 05732 72134 94195
74122 16202 29743 56140 31277 98107 60102 51971 31206 87492
44591 28960 64094 54663 99521 30991 34585 73389 55386 03361
87051 10300 45424 99458 81639 33461 56172 29281 24786 37723
72537 68136 40358 50998 02490 12006 39083 87310 05031 80179
10359 48469 29030 33794 99194 20659 56114 37273 39244 49938
32954 39495 57390 72729 05041 79362 12539 18870 52791 96368
46672 74100 64437 34721 79568 95521 59916 21053 21976 82064
33690 48512 97380 92318 74163 85501 26485 62526 91331 52694
46074 37900 22690 35587 17060 41302 96093 54364 31910 94562
59177 41191 38749 31387 93884 01125 00000

F06 – FSK 200/1000

Link 00052

19986/17549/15654 kHz, 10-10/11-10, 0800/0810/0820 UTC

11166 00052 75418 09032 02769
56990 16119 41866 22078 67617 74804 65404 40426 89099 66286
00392 97356 37832 82588 49250 75946 13489 53008 08121 37113
26368 56064 88599 62453 72918 79819 41728 67469 57778 39540
96135 67207 77625 42295 19596 07475 69082 21959 83149 37849
86548 94665 62825 58580 22016 63915 19384 22031 52666 62893
14277 74832 08087 16550 71576 98649 34391 51769 01066 06310
20028 63211 73002 52233 07042 05776 89956 81799 59577 99823

35905 71356 61004 63132 17680 68404 43898 27715 95571 06747
30053 57180 64148 16275 24348 36972 53777 26511 06222 74308
58567 25533 36820 12402 16505 61292 65007 62128 17047 24017
47020 45074 86647 42383 85324 54862 69091 17573 84004 24653
19767 66774 90345 40696 65428 50331 86281 87279 00177 21205
99918 18417 82245 75401 54385 19607 04444 40696 86049 74165
21864 63733 53251 39019 13978 75791 73648 70292 28801 70202
96722 95205 97389 03129 17674 99877 61515 68527 66831 41307
05540 21399 45255 77691 93903 49940 18276 82890 25529 69349
28770 16838 17261 31590 48998 29324 17715 46178 45272 39154
87860 00943 03438 53777 35247 60633 32904 98490 14082 16893
56846 78511 50789 85680 79787 64135 37833 62717 65639 43937
46963 43559 05125 69946 37767 75869 85078 60990 08353 10365
59555 80663 42676 50513 94254 05837 76918 98577 27046 10484
65259 90946 73983 95404 63602 98938 13793 78137 68161 72372
44638 41049 91499 88239 63555 35564 91846 08337 40747 69243
86170 63735 01782 23121 95830 67868 16350 86809 86734 05849
10489 48791 88244 87144 40445 85086 32857 81881 84872 72184
55298 71223 25931 11258 87692 29803 70919 53352 26015 11624
71898 21900 71550 93282 63787 67437 41225 09609 18745 40521
28221 51641 61914 54222 32274 00000

19986/17549/15654 kHz, 24-10/25-10, 0800/0810/0820 UTC

11166 00052 75418 09032 02769
56990 16119 41866 22078 67617 74804 65404 40426 89099 66286
00392 97356 37832 82588 49250 75946 13489 53008 08121 37113
26368 56064 88599 62453 72918 79819 41728 67469 57778 39540
96135 67207 77625 42295 19596 07475 69082 21959 83149 37849
86548 94665 62825 58580 22016 63915 19384 22031 52666 62893
14277 74832 08087 16550 71576 98649 34391 51769 01066 06310
20028 63211 73002 52233 07042 05776 89956 81799 59577 99823
35905 71356 61004 63132 17680 68404 43898 27715 95571 06747
30053 57180 64148 16275 24348 36972 53777 26511 06222 74308
58567 25533 36820 12402 16505 61292 65007 62128 17047 24017
47020 45074 86647 42383 85324 54862 69091 17573 84004 24653
19767 66774 90345 40696 65428 50331 86281 87279 00177 21205
99918 18417 82245 75401 54385 19607 04444 40696 86049 74165
21864 63733 53251 39019 13978 75791 73648 70292 28801 70202
96722 95205 97389 03129 17674 99877 61515 68527 66831 41307
05540 21399 45255 77691 93903 49940 18276 82890 25529 69349
28770 16838 17261 31590 48998 29324 17715 46178 45272 39154
87860 00943 03438 53777 35247 60633 32904 98490 14082 16893
56846 78511 50789 85680 79787 64135 37833 62717 65639 43937
46963 43559 05125 69946 37767 75869 85078 60990 08353 10365
59555 80663 42676 50513 94254 05837 76918 98577 27046 10484
65259 90946 73983 95404 63602 98938 13793 78137 68161 72372
44638 41049 91499 88239 63555 35564 91846 08337 40747 69243
86170 63735 01782 23121 95830 67868 16350 86809 86734 05849
10489 48791 88244 87144 40445 85086 32857 81881 84872 72184
55298 71223 25931 11258 87692 29803 70919 53352 26015 11624
71898 21900 71550 93282 63787 67437 41225 09609 18745 40521
28221 51641 61914 54222 32274 00000

Link 10031

19476/17458/15884 kHz, 10-10, 0915/0925/0935 UTC

11166 10031 31254 10001 00049 00000 00000 00000 00000

Link 10053

12215/10814/9046 kHz, 02-10, 1650/1700/1710 UTC

11166 10053 15961 02001 00049 00000 00000 00000 00000

12189/10734/9129 kHz, 07-10, 1530/1540/1550 UTC

11166 10053 12478 07064 00049 00000 00000 00000 00000

12215/10814/9046 kHz, 09-10, 1650/1700/1710 UTC

11166 10053 79513 09012 00049 00000 00000 00000 00000

12189/10734/9129 kHz, 14-10, 1530/1540/1550 UTC

11166 10053 56248 14001 00049 00000 00000 00000 00000

12215/10814/9046 kHz, 16-10, 1650/1700/1710 UTC

11166 10053 14279 16068 00049 00000 00000 00000 00000

12189/10734/9129 kHz, 21-10, 1530/1540/1550 UTC

11166 10053 13579 21001 00049 00000 00000 00000 00000

12215/10814/9046 kHz, 23-10, 1650/1700/1710 UTC

11166 10053 15478 23068 00049 00000 00000 00000 00000

12189/10734/9129 kHz, 28-10, 1530/1540/1550 UTC

11166 10053 14279 28064 00049 00000 00000 00000 00000

12215/10814/9046 kHz, 30-10, 1650/1700/1710 UTC

11166 10053 52369 30001 00049 00000 00000 00000 00000

Link 40122

19268/17548/15779 kHz, 03-10/04-10, 0600/0610/0620 UTC (19268 not heard).

11166 40122 35784 29095 03429

91008 88052 78692 41635 43278 02179 55305 65061 14461 89592
56044 17857 77767 71797 40643 34805 62644 48736 47370 74997
78304 10190 18757 94221 94378 32815 55541 58452 27148 05016
09781 53151 04767 46837 53059 68045 09933 17060 80727 62091
23439 24699 38118 38297 17034 87070 79670 83092 69045 01646
96904 49948 01188 23844 76175 91906 60000 67983 72155 72737
91356 73558 07976 11388 81469 04037 37962 39422 62846 70364
33908 76139 08616 96363 80822 51051 63675 68217 93084 28411
86090 35216 86948 13488 97188 53965 70330 45251 63777 93244
35821 05186 60930 41684 67856 96898 88780 85470 99990 76212
41752 48261 83194 36440 53670 10486 51138 78519 67189 50235
93373 20701 00975 72920 72374 27468 13074 21882 45351 62395
83920 87152 76797 94603 67400 54546 52692 13529 83425 62268
32297 31676 50447 57231 98497 80042 81344 68271 92607 25915
91138 38434 44588 67711 89953 83546 34615 86556 59668 69230
46929 59295 37702 23571 01910 62608 56360 27612 77312 22936
11195 50872 54595 91882 56789 24071 51288 51806 53442 66241
25335 81262 13149 08437 62339 35007 18350 81193 81664 18229
11865 57962 22316 59717 81457 71677 94544 13633 87466 46660
08114 44590 06938 13040 13162 75719 92701 95885 14601 04406
70830 96231 45988 15400 24905 06178 13804 45965 40543 25273
48083 82777 08614 70340 20329 95240 10586 95961 14649 34920
34436 67781 63050 55774 94567 55837 80836 34880 54167 40096
63033 98326 73438 45385 27797 81975 32158 47905 17718 81774
99979 20508 94989 73304 52932 08941 91346 05258 59547 56226
98735 96525 85050 17380 11643 91583 87062 31645 57021 53877
01233 44433 72745 01867 40258 96163 20554 17453 54720 20179

44384 81435 29167 16937 10068 15726 11897 96650 87308 36974
01864 07585 59877 51318 41153 92171 74972 44926 86459 38156
67680 50029 58006 16941 21460 91137 89343 26335 50614 41107
26465 79871 15664 41763 49674 09907 07565 68768 16647 76671
61720 45406 50121 00466 87710 34980 18649 59186 25684 66520
83859 18376 65340 73473 12660 85977 88459 50063 77810 08985
20896 55024 95328 54167 04983 17384 72133 40081 28286 23975
95340 00000

19268/17548/15779 kHz, 10-10/11-10, 0600/0610/0620 UTC

11166 40122 75398 06096 03029
44201 07211 90515 81159 94158 28973 31750 12249 88162 61615
57205 96345 20760 25315 79944 34666 52600 71144 69468 20407
53056 37929 54746 47599 13251 61152 87483 21234 65442 13599
64091 60844 69682 82418 29784 14739 53707 12319 13238 27052
16979 69539 65255 24829 34836 06326 99877 17309 23668 30579
61367 24609 53068 10364 65511 77979 15899 67969 88676 58845
92197 43211 03059 68786 67875 30656 81561 47677 94130 20457
20733 82148 98532 97498 55218 71577 83691 78519 62148 43771
74470 91918 78903 37562 99672 29922 82697 94472 19129 27798
05421 26653 32144 49816 82161 53279 28220 86626 56869 22588
66005 93755 93579 61756 91405 25901 66635 21783 30791 46718
28367 09595 20233 18775 77630 24538 56725 03380 77680 41450
82305 24954 96785 07507 37027 79641 70038 45024 41720 92847
05795 77400 96465 55395 85182 20402 05742 92966 28107 05951
66160 48554 24203 30639 77737 82569 52165 46121 64643 20324
35897 33599 16353 01563 10904 29569 85156 11726 99391 95034
00942 99649 17485 45353 89210 11369 63011 82926 03248 94727
57296 99899 06391 54476 39391 43072 65333 62538 36188 58207
40406 53155 56845 55915 83759 57563 84970 66312 81400 57924
66988 74635 00014 65173 20151 54999 24502 50484 08597 44486
97192 85030 60929 24759 94632 67742 27728 03377 02929 45731
02440 12004 77556 57084 54089 63709 98574 50707 45242 36524
57193 62901 33655 75466 34626 55375 81064 30203 59163 44359
17530 70546 52407 75532 34794 46973 00601 24425 07072 88346
11997 27007 62724 54033 46200 70137 55252 82603 26412 96558
07039 04304 70530 04136 24282 09477 02033 44020 06562 90140
26581 47425 99469 96884 85285 35702 63743 78295 20571 93407
59344 95088 15572 09041 67908 26128 93004 13152 02022 08534
84446 68493 74743 79062 05971 91916 27821 08931 01050 12689
42040 49303 36703 96925 78131 29593 63785 92824 21690 75795
96300 00000

11166 40122 96148 06097 02829
77384 76388 30530 41023 38251 02318 07922 65434 41198 89777
50147 07748 41416 97701 41800 15524 74633 69348 97288 26404
32056 50773 71961 17493 76042 12916 91297 45076 07426 31994
71609 41853 20443 07876 30674 63881 06194 25137 11757 04411
90574 86476 69440 16804 17622 73184 90716 13725 14202 12347
49762 34783 96990 55478 19847 99823 07670 98266 90811 90049
87286 96117 65540 24161 25709 55191 33886 21708 47122 03608
47465 70828 17489 72523 43776 42576 84924 41754 93062 19016
88922 29638 66381 27271 99359 31821 48284 96723 71224 38657
42578 81541 26013 85916 44584 15725 95711 18469 78337 92859
90321 71653 22167 87770 74858 00006 71090 62249 66751 08040
09471 22056 89603 62764 92348 17379 44226 92629 58919 03933
82903 02582 26566 06895 97811 59923 38905 54861 59538 30657
66262 76005 66638 71011 82038 73632 92162 03825 63384 23320
38089 34479 89635 58822 33614 86078 36929 38934 38221 58548
92462 12502 35469 41347 36806 23762 28451 34482 67727 25202
72841 57513 63956 90128 08483 51229 12323 42125 75444 01691

46719 43600 25488 41323 72314 10599 64889 06746 73451 46073
89533 58030 28688 08796 98243 89071 81391 60109 95263 83752
39342 55690 17836 97610 01779 74522 49827 69667 37323 02267
07309 94130 61219 11211 07062 06636 85326 03987 53923 64743
39305 13248 07918 27344 86431 74493 17115 62685 82478 14217
27142 39703 51098 20580 03299 82332 74151 88793 26206 91500
20408 58392 46923 64479 61072 84587 12485 66295 45555 10896
97773 32863 35942 35222 04690 10567 23590 86583 14531 61933
76283 54675 04544 92116 89409 39440 64568 75875 39557 12863
74715 89712 64004 10148 30018 78889 14526 92477 22995 13988
58944 48551 20063 16708 28878 27070 92727 59593 37123 17369
97280 00000

19268/17548/15779 kHz, 17-10, 0600/0610/0620 UTC

11166 40122 12586 17031 00049 00000 00000 00000 00000

19268/17548/15779 kHz, 24-10/25-10, 0600/0610/0620 UTC

11166 40122 64382 20098 04179

54317 88307 47845 73365 64673 87420 95598 50722 32591 73595
64011 03422 64019 44139 52382 66806 04892 49781 94705 87575
47365 19642 53264 35518 07257 42163 92014 14179 96110 19176
15689 00131 36325 35302 85565 65556 92787 09883 47828 63811
19454 23601 35464 82661 44297 37012 29638 94892 41085 43144
91468 60964 61402 21380 00162 63401 25367 84782 58422 77611
94475 38081 51087 08825 75017 88471 67930 49817 25485 76451
26549 49139 66439 18853 56295 24511 16240 81275 29182 61082
01096 22095 48690 99243 12879 75249 32431 41677 13117 63975
49591 74328 06619 62693 99100 01001 33174 49219 39459 36241
50742 14508 06162 36216 08596 22084 77663 72270 33839 34389
75807 76838 79734 48194 11671 16415 09301 06290 12755 71260
12582 77630 92464 26532 81063 23126 47802 04529 87638 89262
96231 92736 45596 96743 87632 47364 45031 16338 52291 77048
90148 49123 70869 36434 85877 53313 77272 84291 47238 84848
30379 85880 29905 43947 15543 64241 05394 44808 61828 30090
29318 50630 85893 45025 76149 41165 98486 97716 38917 04971
34463 97769 17286 73562 92283 16958 42460 39638 93920 32499
12323 26587 01111 52077 35286 01440 48894 25284 06258 48478
82377 71176 63179 45662 07651 76638 97564 11090 92814 45220
17486 11654 80026 01170 86430 51101 94532 78309 86482 79666
61604 48478 79250 92479 67322 69203 62992 08934 24147 55303
49368 50188 27211 04096 08254 57013 12273 28921 54069 15148
51267 80635 72035 80368 46390 61797 07824 20450 08657 63201
69007 16208 31872 77479 11778 88814 97944 69425 11351 45567
74490 07753 39495 61304 90652 87966 97634 37649 02091 01032
78949 07283 81059 27534 57925 75408 92526 62011 30769 15627
42262 97158 55157 62384 07839 22568 62725 67188 88475 17721
42751 10791 34679 43901 20476 88501 43588 64719 78477 10850
30999 49940 94558 86749 15969 42298 94574 81380 78971 91987
43634 65968 79516 88517 24122 01632 44177 44618 73974 24514
60972 11880 83646 24367 41029 32827 75207 33772 33468 59098
12000 70206 04453 90429 12310 98115 16333 14127 65469 03206
67821 49711 73847 96118 81148 28430 69148 87696 47127 62320
76470 03016 64055 82505 24552 26373 31418 51422 25651 94416
84301 78658 73484 79621 79473 95095 32678 31262 69054 65028
18155 66114 22735 40979 87901 26036 84452 90856 97550 44641
74487 52175 90220 90230 72907 93013 20045 77195 45287 84391
32828 63051 96663 13771 52272 73311 64640 94343 45203 21382
87598 49825 64241 15651 08936 79404 91349 70993 03282 32573
30702 66835 35623 48498 24295 19007 89274 39632 88765 57536
23641 24253 96826 27602 47689 98415 00000

19268/17548/15779 kHz, 31-10, 0600/0610/0620 UTC

11166 40122 79532 27099 02779
30732 83353 08513 56679 95027 27705 87501 52133 46639 16353
78115 14252 63304 34250 61442 05082 13344 88401 74540 95050
49550 21072 95200 80511 65678 35968 91647 25999 76466 42110
60618 48378 07133 45060 02260 85075 03284 40202 05278 13581
97162 87755 40779 14402 91193 74229 88240 94670 44739 89968
42050 14576 75024 77519 72042 83816 08157 30475 36483 20261
41176 47494 70931 88008 01087 71189 01416 57018 11794 66563
55366 51525 04884 18683 68735 79396 35201 54279 12753 59644
87137 16962 88741 90264 82582 50732 64440 23598 26479 71487
50267 41398 50905 31198 38961 46791 43635 04451 57042 15319
72106 52040 01523 72255 38736 41298 60312 88374 28520 27853
39752 11367 34862 28499 47709 75081 74554 39865 05685 53800
27859 82575 88359 53705 64626 75584 14013 58747 42384 70372
34263 73098 87336 99697 96567 27369 94213 20581 77900 40787
05903 56219 13073 56515 58800 66513 66106 92306 04836 01891
18127 73678 46075 20125 70182 41788 42874 70825 84451 53210
81499 77289 12267 13792 12158 70411 82383 13779 93376 54321
47953 56396 03665 08457 15613 97079 06401 55746 05153 35531
78882 51590 13178 27800 41465 73331 79217 10567 47745 14907
77708 54826 21712 16353 84301 91147 52809 82870 89915 73707
84844 73121 60983 75277 59684 61457 69333 30362 01675 03756
40129 68658 53713 61559 91316 06046 00931 64205 63012 85273
42899 13628 60274 83554 00315 61525 57680 29226 67090 13577
39170 94692 43800 40398 71570 57820 13404 99926 35258 48978
45195 00910 60379 25905 37910 62205 42080 43607 37938 47567
33177 11453 93559 80598 37703 54665 31162 69580 53777 22398
64364 96843 39217 09583 71990 52379 98354 84724 05826 16380
13471 40854 14098 20389 69307 99275 00000 00000

11166 40122 64571 27001 02429
92512 11053 65380 54961 66509 37243 54612 78741 04671 80107
08030 35350 05556 24798 88189 96540 97721 38105 24037 57004
79515 11149 43121 89229 62083 18187 84382 01184 26540 46224
64948 64016 31244 75107 99358 01968 30097 12797 94680 61679
87822 15505 69936 03080 03153 47379 73282 79038 75866 59428
95383 95983 78602 92374 02418 72657 19411 33111 37136 39211
05949 79474 61443 43810 47284 92990 38907 58954 54231 44307
80649 04689 24158 80984 03060 30897 21207 72337 70751 25865
87855 11015 23223 43302 48778 76010 08635 65003 92906 86779
73160 41348 44675 03158 79342 76818 60348 50775 51884 52716
10385 76636 74323 04289 33784 64573 85023 94423 75328 65237
45918 51118 41687 20343 82444 60909 37294 85826 18107 35442
65954 83622 52112 93373 09113 36744 53497 24794 16711 67344
70212 30360 71592 62458 76568 52314 13367 37107 07517 39595
32695 49456 53164 14210 71917 47703 12000 31069 92966 53399
26233 48465 98503 10885 47708 51378 17217 57517 07821 94807
89213 94394 89874 59305 12451 62256 27315 35911 36136 52237
76286 82658 12043 06182 35935 19864 39668 86197 14906 56357
66175 18123 67473 63874 27067 38622 47731 41766 38509 00571
55290 39237 77257 16437 70917 27284 09120 44331 05555 37537
51885 46424 11147 10176 83673 74416 26737 18117 32621 61742
58239 59662 08860 27201 15350 36785 64716 19703 54022 61254
94068 58814 97942 55776 06807 50791 37451 42340 39321 84791
29341 34963 86969 38944 45971 79017 69449 50973 47140 04319
01240 00000

Link 40133

22963/20461/18356 kHz, 06-10, 1500/1510/1520 UTC

11166 40133 31254 06001 00049 00000 00000 00000 00000

22963/20461/18356 kHz, 13-10, 1500/1510/1520 UTC

11166 40133 13579 13001 00049 00000 00000 00000 00000

22963/20461/18356 kHz, 20-10, 1500/1510/1520 UTC

11166 40133 14279 20038 00049 00000 00000 00000 00000

Link 50046

17549/15616/13529 kHz, 06-10/07-10, 1100/1110/1120 UTC

11166 50046 39571 05057 00869

34337 11153 17224 34085 71709 04373 60689 54737 10803 00341
65317 67760 01888 78356 84846 53771 66040 20043 98525 57562
11648 94392 54954 91052 33548 43835 35655 48099 80940 56110
13093 21353 25211 56078 61831 54345 15982 50567 39143 30285
35665 51495 43999 96141 79930 98127 98711 33804 73823 42481
51945 41757 69480 25057 81164 18186 53362 82435 22668 89511
12423 37084 80263 11357 08969 43171 33413 20475 63120 17706
52127 20244 79635 72106 20278 00688 35070 62092 91999 80190
30200 33236 26971 87820 57084 00000

17549/15616/13529 kHz, 13-10/14-10, 1100/1110/1120 UTC

11166 50046 68912 12058 01909

34207 71160 17224 34085 71679 64380 60689 54737 10773 60358
65317 67760 80931 89883 97403 05626 36272 74677 38152 22130
90337 50722 46532 10529 02948 47960 54459 98920 72848 14910
45265 21296 76604 81846 12974 71655 52649 14475 36621 59709
52990 81727 44231 38055 11992 18687 37493 55432 98951 02491
78330 13386 56548 48661 31383 48643 14898 61865 44823 06299
57757 14478 39946 70695 42020 68565 52502 12536 67455 17488
33565 85387 07542 90209 33356 33140 03746 58800 37880 97168
21721 11098 20636 51096 98073 89652 34070 61623 39714 65012
31997 02997 33889 09876 90897 51349 64052 31731 58616 78839
32314 71308 11163 91943 21585 46223 11706 93826 21657 23760
58216 82589 27466 03238 73332 10223 64860 90538 84398 50692
21623 40806 72231 27019 85237 89923 39782 62771 80538 74454
86807 56546 59169 04894 28983 78995 87105 70234 45776 95076
24592 68646 44331 31188 48569 25574 98954 04870 87135 26958
99630 53947 60492 35894 39199 90246 21806 25903 19449 84547
07128 15778 92851 13610 41360 89844 58715 52035 07231 68362
92150 46872 77297 94674 50151 19359 38735 24819 16284 87597
11050 29343 86459 85359 97794 04240 95926 23681 58188 00000

17549/15616/13529 kHz, 20-10, 1100/1110/1120 UTC

11166 50046 23105 19059 00809 ... 15494 56493 07678 00000 00000

17549/15616/13529 kHz, 27-10/28-10, 1100/1110/1120 UTC

11166 50046 74913 26060 00609

50217 91174 17224 34085 97689 84394 60689 54737 36783 80362
65317 67760 04820 65118 61749 61633 27447 59210 98553 02739
88258 12227 31437 03827 56822 41768 34451 52845 22744 14290
01518 32829 82254 80726 26262 18730 62864 56239 15363 72946
13291 68914 57895 30063 43984 20164 95805 54499 59783 16463
36056 41203 13509 50326 93189 74477 41536 70617 60058 00000

Link 60070

8175/6791/5748 kHz, 09-10, 0030/0040/0050 UTC

11166 60070 47321 09074 00049 00000 00000 00000 00000

8175/6791/5748 kHz, 16-10, 0030/0040/0050 UTC

60070 24680 16074 00049 00000 00000 00000 00000 00000

8175/6791/5748 kHz, 23-10, 0030/0040/0050 UTC

11166 60070 56248 23001 00049 00000 00000 00000 00000

8175/6791/5748 kHz, 30-10, 0030/0040/0050 UTC

11166 60070 79513 30012 00049 00000 00000 00000 00000

Link 70004

18919/16268/14486 kHz, 13-10, 0900/0910/0920 UTC

11166 70004 19274 12012 00469

69462 15085 68661 18461 43654 78165 15711 27814 24523 05771

82588 08204 67500 96301 94890 60758 37109 89576 38089 51090

29221 48563 71333 79310 80468 27033 33052 32089 52704 37289

29055 62373 53288 79630 30178 76694 18437 12457 86204 46079

77051 84774 14926 24325 12044 00000

18919/16268/14486 kHz, 27-10/28-10, 0900/0910/0920 UTC

11166 70004 19274 12012 00469

69462 15085 68661 18461 43654 78165 15711 27814 24523 05771

82588 08204 67500 96301 94890 60758 37109 89576 38089 51090

29221 48563 71333 79310 80468 27033 33052 32089 52704 37289

29055 62373 53288 79630 30178 76694 18437 12457 86204 46079

77051 84774 14926 24325 12044 00000

Link 70048

19448/17503/15619 kHz, 03-10, 0800/0810/0820 UTC

11166 70048 46813 03062 00049 00000 00000 00000 00000

19448/17503/15619 kHz, 10-10, 0800/0810/0820 UTC

11166 70048 45982 10093 00049 00000 00000 00000 00000

19448/17503/15619 kHz, 17-10, 0800/0810/0820 UTC

11166 70048 45982 17057 00049 00000 00000 00000 00000

19448/17503/15619 kHz, 24-10, 0800/0810/0820 UTC

11166 70048 59843 24061 00049 00000 00000 00000 00000

19448/17503/15619 kHz, 31-10, 0800/0810/0820 UTC

11166 70048 15987 31048 00049 00000 00000 00000 00000

Link 70059

9354/7956/6774 kHz, 01-10, 0400/0410/0420 UTC

11166 70059 14279 01020 00049 00000 00000 00000 00000

9354/7956/6774 kHz, 15-10, 0400/0410/0420 UTC

. 11166 70059 31254 15001 00049 00000 00000 00000 00000

14556/12229/10326 kHz, 13-10/14-10, 0800/0810/0820 UTC

11166 70147 38401 12091 00929
 48655 03198 92688 58128 24221 83975 85480 94306 30015 77306
 80744 84902 91691 90265 83742 45077 83412 27171 96585 05445
 11681 29523 46866 35637 60682 48445 33775 33005 94603 69277
 18014 09013 84146 11568 76332 82810 53012 54477 19517 70749
 83320 96860 34118 49302 81050 59105 36679 36545 59574 95096
 94860 79063 19493 87942 42007 52235 29573 48149 98133 24932
 21732 46757 79358 45617 34663 95145 28427 16471 14991 50253
 37793 36283 16372 99927 45444 03768 58011 47162 32692 10450
 51067 78056 59464 79675 73945 32706 01278 47716 20726 17230
 91090 00000

14556/12229/10326 kHz, 27-10/28-10, 0800/0810/0820 UTC

11166 70147 34691 26092 00809
 75645 23102 92688 58128 51211 03989 85480 94306 67005 97310
 80744 84902 98401 65021 51948 14800 08614 46433 03090 21902
 68320 45050 88388 66760 70865 44569 02873 58660 79719 02824
 22627 89713 85929 16557 99296 29200 02600 27287 15018 36900
 75669 12308 93157 20053 96080 35339 26481 48436 85624 83541
 99147 03620 35223 58095 79346 06851 12626 89617 71322 60335
 95548 30442 11297 67149 82730 21446 15782 31455 50254 60906
 03575 11442 81649 26694 57486 82511 05442 08010 92078 00000

15607/13376/11108 kHz, 11-10, 1330/1340/1350 UTC

11166 80214 60284 11068 00049 00000 00000 00000 00000

15607/13376/11108 kHz, 18-10, 1330/1340/1350 UTC

11166 80214 36951 18050 00049 00000 00000 00000 00000

15607/13376/11108 kHz, 25-10, 1330/1340/1350 UTC

11166 80214 60284 25069 00049 00000 00000 00000 00000

X06 - Mazielka

X06	12157	2-10	0756	Tue	165423
X06	12150	3-10	0640	Wed	Sequence: 256341
X06	14655	10-10	0802	Wed	Sequence: 164253
X06	12150	17-10	0637	Wed	i.p. Sequence: 256341 ended at 0638z
X06a	11424	12-10	1431	Fri	Sequence: 161616
X06b	17471	5-10	1023	Fri	Sequence: 111666 before E07
X06b	15962	12-10	0642	Fri	Sequence: 111666 before E07
X06b	14538	14-10	1341	Sun	Sequence 111666 before XPA2
X06b	16338	14-10	1342	Sun	Sequence 111666 before XPA2
X06b	14538	14-10	1346	Sun	Sequence 111666 before XPA2
X06b	16338	14-10	1347	Sun	Sequence 111666 before XPA2
X06b	16114	19-10	1310	Fri	Sequence: 111666 before XPA2
X06b	17462	19-10	1312	Fri	Sequence: 111666 before XPA2
X06b	17462	19-10	1315	Fri	Sequence: 111666 before XPA2
X06b	17462	19-10	1330	Fri	Sequence: 111666 before XPA2
X06b	18639	22-10	1304	Mon	Mazielka before M12. No MFSK but a carrier that lasts the length of a X06 sequence.
X06b	18639	22-10	1312	Mon	Mazielka before M12. No MFSK but a carrier that lasts the length of a X06 sequence.
X06b	10139	24-10	1828	Wed	Sequence: 111666
X06b	10139	24-10	1829	Wed	Sequence: 111666

X06b 17471 26-10 1046 Fri Sequence: 111666 before E07
X06b 11464 27-10 0655 Sat Sequence: 111666 after E07

XPA

13437 kHz, 02-10, 0730 UTC

249 249 249 1 249 249 249 1 249 249 249 1
00611 00121 17158 22884 54780 98890 85967 25126 62583 21513
63790 99855 37932 19057 34365 45414 06058 72867 04764 51729
05834 10804 03159 66337 59316 45601 78149 12447 18768 84730
97604 39285 62551 62790 38343 92276 40297 88862 76849 14327
03366 83554 21815 78862 73706 07118 78915 53925 06833 87617
63994 68081 07690 42496 70405 49793 90247 46695 44852 92650
89738 86695 08612 68174 17815 00856 24993 99361 08597 69528
98179 92496 94294 74305 32736 85460 30671 07899 32511 13628
21155 30767 70691 46927 11245 60179 95668 06803 58851 32959
57085 85883 41431 75853 08038 05459 51597 01279 38365 97938
85415 48857 62415 21393 31445 30620 21154 54248 83864 67139
55578 94077 08155 73823 19084 49787 52898 75395 42165 30139
48719 66269 31161 04651

13437 kHz, 09-10, 0730 UTC

249 249 249 000
09811 00001 00000 35662

14972 kHz, 09-10, 0750 UTC

Transmitter problems. Stopped after a few tones

12167/13437/14972 kHz, 11-10, 0710/0730/0750 UTC

249 249 249 000
07924 00001 00000 37661

12167/13437/14972 kHz, 18-10, 0710/0730/0750 UTC

249 249 249 1 249 249 249 1 249 249 249 1
00360 00113 01300 65265 89584 33059 64504 80196 57794 23317
22258 87175 82434 02454 02748 87222 25039 80435 02212 51478
09380 91797 63422 48410 82633 47525 07866 27472 82733 43846
74194 61311 17128 59243 44239 41109 25157 91795 54252 91743
59139 38401 19063 37113 09650 96418 29082 88767 48032 92538
52972 89514 96711 47633 48707 64489 34180 58450 63682 82099
15541 27124 92088 78837 24635 51886 87418 38137 68205 30073
02304 94187 86811 26424 48622 61080 32685 16665 75914 14944
78802 51087 30606 44694 92604 24264 34324 67025 25106 41420
56305 65933 09745 33061 82563 85940 86120 44182 00381 33878
00232 09669 69104 51779 65914 61579 56097 64332 89689 86460
76618 04329 14263 79337 86577 07015

12167/13437/14972 kHz, 25-10, 0710/0730/0750 UTC

249 249 249 000
01205 00001 00000 34651

12167/13437/14972 kHz, 30-10, 0710/0730/0750 UTC

249 249 249 000
05140 00001 00000 31661

XPA2

12192/13892/14892 kHz, 01-10/03-10, 0700/0720/0740 UTC

02830 00151 63674 98579 27166 47663 34479 21130 02971 11312
89658 17175 15535 85351 99006 12928 92696 32161 60779 25195
03575 64168 23185 57570 39908 96674 14560 16697 21492 65501
17323 51323 54149 88808 62700 78731 83906 48984 97583 10668
09431 89459 14324 34929 46041 32194 35319 66895 08994 08901
95819 44783 90295 22340 32041 50152 49830 37550 96846 65347
02739 82121 02498 77343 58271 17806 23362 05449 37002 97698
07920 44403 46113 72953 65151 99000 35143 84517 79359 95200
35993 65122 18042 55008 10024 59916 67426 86468 06327 22332
65617 88431 67694 49466 11439 72522 05595 51033 12317 48138
16493 17890 97456 17205 79639 57092 13337 84415 32003 71349
45823 68766 42171 69207 09122 95280 86047 01725 20809 35449
88227 84612 30809 34045 29188 38115 96863 78935 47271 96079
94130 89061 06148 80215 29891 39590 24984 73707 52216 10139
68387 54592 25716 91818 58081 62887 15178 70812 54869 59424
78024 26784 35730 12315

16338/14538/13538 kHz, 02-10, 1500/1520/1540 UTC

01340 00001 00000 32655

17462/16114/14828 kHz, 05-10, 1400/1420/1440 UTC

06423 00001 00000 34660

17438/16338/15938 kHz, 06-10, 0910/0930/0950 UTC

03796 00097 78132 90915 16552 50008 91115 15706 14618 26285
53335 54814 34055 38301 18081 83803 21005 24408 97238 88174
86972 11992 57005 96329 22213 51848 49143 13090 58352 54662
58973 02328 81933 37373 38178 59285 67189 21081 12628 67571
68784 19697 69598 84438 78849 33670 55636 12940 29962 37310
21311 80192 12120 57309 32622 36791 79725 06842 70553 87115
31674 58651 18993 27889 83055 02492 19004 57198 77746 90693
66986 891448 0920 52127 51109 24362 42768 93358 00141 62533
83123 51590 43011 62248 31835 35704 55615 96337 37196 12240
57897 47339 15569 15549 44665 14044 06859 30572 41013 61665

17462/16114/14828 kHz, 06-10, 1400/1420/1440 UTC

04391 00001 00000 33265

16338/14538/13538 kHz, 07-10, 1500/1520/1540 UTC

02392 00001 00000 33663

12192/13892/14892 kHz, 08-10, 0700/0720/0740 UTC

04393 00001 00000 34265

16338/14538/13538 kHz, 09-10/14-10, 1500/1520/1540 UTC

00329 00097 90420 21432 36407 18933 33200 36835 85646 21309
81679 78278 29186 22427 81637 70510 76591 54225 79646 05197
49761 31262 58833 28506 33738 24590 26277 08177 86483 25095
09809 16618 02582 68753 95083 33913 12071 69330 75163 17857
18957 23458 55226 64665 86736 13877 06034 52135 62821 39729
39000 46173 32392 57356 96247 78117 31386 35971 06200 23302
61869 29912 79115 52704 97111 91136 30400 14614 09976 38692
15523 05419 55983 51381 33085 48534 15326 36110 67145 02121
33963 40416 42052 21855 57437 25103 57852 98225 04689 65412
91346 22656 83313 96630 11341 93048 20086 10659 01365 32236

12192/13892/14892 kHz, 10-10, 0700/0720/0740 UTC

09701 00001 00000 35261

17438/16338/15938 kHz, 11-10, 0910/0930/0950 UTC

04803 00001 00000 36654

17462/16114/14828 kHz, 12-10/13-10, 1400/1420/1440 UTC

04378 00109 62861 93843 43033 19186 46848 34883 13815 42075
73450 90613 20369 55262 35859 56236 88944 95828 71415 95838
47649 46262 79768 84780 28463 98711 19823 89867 90074 96434
19981 71027 28009 86508 82563 33409 91443 51516 62711 44079
86470 59699 96126 62457 17064 98347 11056 33737 49780 96846
45217 79670 92824 31963 50093 27209 97660 90243 32994 76950
94264 37693 49857 55615 52986 06754 88036 66380 60071 07196
13594 28056 93544 24776 16783 79841 37098 31691 60139 27237
64599 58280 95284 88602 54221 29205 91849 74416 10713 75425
17152 48078 78036 42302 26672 67001 23959 04082 60335 43345
75542 68353 14819 38358 47470 15704 10240 14051 63125 17688
96469 70030

17438/16338/15938 kHz, 13-10, 0910/0930/0950 UTC

05780 00001 00000 346655

12192/13892/14892 kHz, 15-10/17-10, 0700/0720/0740 UTC

00458 00173 80188 06570 67590 42802 49973 11135 35033 51127
51514 35868 38482 33940 60582 20771 12858 72827 66433 57944
77793 27916 92418 53833 90257 11151 93441 87334 84474 40355
20271 26950 25369 33564 66317 63866 13645 91240 66739 94866
63100 95233 00379 93482 73264 64479 02783 15259 49582 69303
36213 65589 57648 38681 34051 60863 69571 10171 57559 18831
98381 52362 73667 47863 39006 43531 20725 84957 13199 83088
82553 73907 43246 98532 05084 70020 59267 44708 58555 41575
00740 89616 51884 44659 25452 99915 19507 52173 61818 61715
31664 66403 13339 86671 58963 03708 49119 52412 28454 94482
72861 97501 71488 41708 61523 56734 60203 40027 64078 05722
78707 40088 92456 20704 46628 33490 71844 40470 20502 79238
96248 72741 33477 81601 77575 88709 64587 96685 69190 52076
09915 03067 38150 64670 45387 87856 84238 30196 82375 82245
72673 26815 27110 79006 88861 94818 68661 13874 87049 00443
87420 50701 16561 37737 04422 03125 82230 29280 50850 01531
57877 67180 24826 86644 33318 00555 84180 37399 00933 11296
29329 73354 69493 44120 88202 63457

16338/14538/13538 kHz, 16-10, 1500/1520/1540 UTC

05389 00001 00000 37265

17438/16338/15938 kHz, 18-10, 0910/0930/0950 UTC

08601 00113 27447 06993 68756 67757 83265 58478 05734 59221
68054 13700 33163 44115 41900 65185 48254 74270 04483 29188
33968 94419 20545 39068 96292 99574 85597 22224 52011 98857
81175 13893 88568 78688 16170 47582 86866 14495 23518 62702
18342 63731 95421 34588 17281 05612 08637 93051 33740 32976
64200 59908 46648 70615 75854 54340 15568 57386 19842 39296
84779 67525 08336 33991 68970 67413 97251 99796 70799 19219
85564 14509 69288 50955 92003 84507 04760 52249 34081 18685
20604 26057 73383 33802 75096 16335 45969 11916 96490 71554
88447 71898 37855 42495 54013 59141 23093 86582 87348 97426
23519 83990 60640 68200 89991 88288 20578 22812 92810 99401
01700 22083 97298 81743 06239 63536

17462/16114/14828 kHz, 19-10, 1400/1420/1440 UTC
02254 00001 00000 34257

17462/16114/14828 kHz, 20-10, 1400/1420/1440 UTC
04090 00001 00000 31265

16338/14538/13538 kHz, 21-10, 1500/1520/1540 UTC
09669 00001 00000 40667

17471/16149/14406 kHz, 22-10/24-10, 0910/0930/0950 UTC
02371 00085 13497 59177 85656 04777 93143 46963 78793 11482
33685 05607 11966 18890 76601 67684 35785 34185 40643 99431
91333 46341 68787 65726 95530 98001 39508 88141 34044 90159
67768 67897 43765 36757 69646 68891 33655 49169 03883 84643
37568 98743 82187 53345 42887 32677 84407 66585 38580 11284
80581 11678 81549 66579 34647 13919 51599 59101 63165 51063
45034 37078 97301 17777 95688 68119 74430 11861 41686 41191
11176 61368 57664 88515 48065 75154 56011 76484 16887 07831
65630 28151 51690 26146 57189 64061 18954 54734

16338/14538/13538 kHz, 23-10/28-10, 1500/1520/1540 UTC
00178 00081 45357 14409 00084 61202 25241 95034 28267 44657
22540 20525 52519 64246 35706 03373 54113 70207 99216 04160
10068 94738 92103 47002 62261 90486 30712 19892 42789 25941
20376 56863 64740 79358 43512 45626 09073 13299 76388 89611
51632 81849 19025 47665 69705 13914 77096 61322 07831 80462
03709 96353 66718 95003 86498 46294 92868 15187 26229 26136
69896 22147 64858 76552 15561 17317 53227 86835 35272 00417
62329 58349 02981 94192 58484 98670 16748 73535 08500 84870
51006 85941 40565 21210

12192/13892/14892 kHz, 24-10, 0700/0720/0740 UTC
07104 00001 00000 33657

17438/16338/15938 kHz, 25-10, 0910/0930/0950 UTC
05841 00001 00000 35661

17462/16114/14828 kHz, 26-10/27-10, 1400/1420/1440 UTC
08843 00131 31989 61088 12790 13435 28546 91430 76935 47300
69857 23671 74492 70978 57508 95617 93508 56811 18002 94118
64952 70082 62692 05286 30713 75865 17550 36930 80545 00122
31372 16179 56255 98645 96105 00859 98241 40109 18145 97014
76340 47713 26660 14636 79524 71913 98405 77307 26487 32396
66495 61882 54744 86835 57872 18246 61408 31641 74380 00797
00512 03703 22237 74968 10542 21743 85908 84418 17248 80194
54254 32147 14315 70578 89609 09578 05787 42933 85797 35972
63534 24426 46580 08778 56773 25783 91052 32394 87522 10958
33693 25350 48734 57167 15506 09989 36819 62341 85645 78567
14291 50063 36055 27311 30124 94968 60430 83076 46444 97229
16674 00897 34703 81718 02997 08742 82208 11240 81881 09664
68569 73317 99861 12925 69905 52294 70936 38767 66023 70389
23437 15459 20717 76551

17438/16338/15938 kHz, 27-10, 0910/0930/0950 UTC
00224 00000 00000 34243

12192/13892/14892 kHz, 29-10/31-10, 0700/0720/0740 UTC

00620 00169 45465 89987 22344 99517 14525 68347 06496 18572
88399 25604 32175 99221 64318 82282 48676 43283 45035 47790
51405 97821 77209 78615 09328 45449 53498 47014 11927 32396
60548 12627 17019 68251 08334 14891 81478 08022 92325 41809
85647 49418 37944 74837 36936 94361 56282 38440 91954 10071
22540 20970 45238 03069 51407 73412 55444 89291 75793 04852
95497 37721 39089 84967 50846 17373 98696 64476 08190 30306
72612 79269 21660 23183 35880 37222 67112 85037 40779 86681
47832 75688 14993 05478 27619 71924 02190 98290 00916 81946
91978 79932 81063 39487 78175 55818 14534 49489 22038 92535
48735 93393 26567 81260 25922 77999 92830 72481 61352 47488
97092 18848 36762 41983 89319 59055 59384 40471 09038 43455
08849 86956 04084 00025 69040 90894 31345 53969 79226 00444
64623 21265 77941 66879 02672 80900 83369 43569 60208 98027
46612 58941 81771 54994 07693 99020 97269 21787 65547 57494
59868 39555 55018 51807 36034 22556 72892 01065 49791 95606
96009 58992 59533 19301 73199 93133 31403 29571 98299 95065
26636 03470

17471/16149 kHz, 29-10, 0910/0930/0950 UTC

14406 kHz, 29-10, 0950 UTC. Sudden stop at 0951z

09828 00000 00000 41163

16338/14538/13538 kHz, 30-10, 1500/1520/1540 UTC

08980 00001 00000 35670

17471/16149/14406 kHz, 31-10, 0910/0930/0950 UTC

01699 00001 00000 40662

F11

9339 kHz, 01-10/03-10, 0845/0850 UTC

0353 0353 0353 0353 0353

88888 88888 02828 93258 91706 83492 98435 72688 75168 60224
10685 94061 52008 93593 58189 04047 71187 00696 83099 86794
66350 14450 09517 11732 27757 57450 34312 20185 59544 62785
72013 51078 72208 82707 78951 88888 88888
00033 00033

7670 kHz, 30-10/31-10, 1150/1155 UTC

0325 0325 0325 0325 0325

88888 88888 16105 07534 41087 63366 08210 91091 29975 04118
02608 06715 95992 05019 24251 08349 04580 17494 70919 70117
82227 38795 41641 96791 03802 21485 53672 43069 28753 61400
61611 54309 11096 29396 85838 49685 72966 88888 88888
00039 00039

DIPLOMATIC STATIONS

North Korean diplomatic stations

13050	2-10	1333	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16120	5-10	1403	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB
17450	8-10	1420	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB
15724	11-10	1327	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12850	13-10	0812	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB
13050	13-10	1342	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB
15820	23-10	0553	Tue	North Korean diplo i.p,	DPRK-ARQ 600 LSB
16450	23-10	0610	Tue	North Korean diplo i,p,	DPRK-ARQ 600 LSB
13050	23-10	1329	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12222	27-10	0807	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB
13888	29-10	1403	Mon	North Korean diplo i.p.	DORK-ARQ 600 LSB
14449	30-10	1352	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB
13050	30-10	1402	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB

Egyptian diplomatic stations

16334.7	2-10	1450	Tue	Egyptian diplo i.p.	SITOR-A 100/170
11034.7	13-10	0820	Sat	Egyptian diplo. Long message i.p.	SITOR-A 100/170
9147.7	15-10	1152	Mon	MFA Cairo clg OVVC: Egyptian embassy Baghdad	SITOR-A 100/170

UTILITY ROUND-UP

North Korean Military

3359.2 kHz, 01-10, 1135-1203 UTC

VVV CQ DE 3V. QSA ? = 96321 96321 96321 K
QTC CQ Unable to get full call sign - signal drifting too much)
... 10 01
QTC QTC NR NR 93687 40 2018 10 01 2050 027270 (1156z)
NR NR NR 93687 40 2018 10 01 1050 027270
NR NR 93687 40 2018 10 01 2050 027270 = = =
82632 94603 74666 98458 97942 17233 47365 35866 93618 12016 K =
82632 94603 74666 98458 97942 17233 47365 35866 93618 12016 K =
16553 14746 07436 39856 84542 86535 14556 74168 66322 43011 K =
16553 14746 07436 39856 84542 86535 14556 74168 66322 43011 K =
24350 91279 35684 88510 13259 92226 49310 36963 62255 45987.....
..... 11647 74147 08581 01839 690886 77107 19556 35981 K (1154z)
QTC QTC QTC QTC NR NR NR NR 92EEE
QTC QTC NR QTC QTC NR NR
TC QTC NR NR 93687 40 2018 10 01 2050 02720 = =
82632 94603 74666 98458 97942 17233 47365 35866 93618 12016
16553 14746 07436 39856 84542 ...

4390 kHz, 23-10, 1635 UTC, i.p.

VVV KSU DE PCB QSA ?

3449.4 kHz, 26-10, 1747 UTC, i.p. Drifting transmitter

VVV ... DE WCO QSA ? K23 333 K
 GM .2727 42727 K
 42.27 42727 K
 42727 42727 K
 BK BK O
 OK AS K
 VV .OU DE WCO .. 2. 7326 K
 G7326 7326. K
 QRU K
 .77326 7323 EEEE 732.. 7326 K
 RPT RPT RPT
 ..32 87. K
 BK BK K

3414 kHz, 26-10, 2159 UTC, i.p.

VVV KL9 DE MYA
 QTR 12.. QSA ? 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

02-10	1951	Red Breast	30 chr EAM U7MFO4 3U2YKEA6FRNBSDATP5PECYNW
02-10	2101	Red Breast	30 chr EAM VDSOL4 XIMRJYDPQDFHA2IKJTAVRHK4
10-10	1529	Motorist	30 chr EAM QMRWLX TUASDWULYVYDKVQBPLD4E7R
10-10	1539	Motorist	30 chr EAM U7CL5F 3I4EFWK5RCDKGIKZ2N4FCJFJ
10-10	2218	Motorist	30 chr EAM QM7MFK QQVESNFLH3XZOZKV2OWCNZBA
10-10	2221	Motorist	30 chr EAM QMKUJZ ZLB5UF7HDI2XT5SWD3U3B7KD
10-10	2221	Motorist	30 chr EAM QMKUJZ ZLB5UF7HDI2XT5SWD3U3B7KD
16-10	2155	Draft Beer	30 chr EAM RYARG6 3Z3CTRV42URGPVIAQ22N3OD7
17-10	0103	Catch Fly	63 chr EAM 57CUND 7IVHNAMEYRNJIVVVGXRU5XAF7624I3NCEFFFEH6P4DYBGFFEZJTXZGEIX
17-10	0111	Catch Fly	30 chr EAM 573TFK WATDIY66N2ZTUQGM6JXMM7HI
17-10	0123	Catch Fly	30 chr EAM RYECYCA 756JZTJNL3IXOTGZ72NFCXMU
17-10	0126	Catch Fly	30 chr EAM RYNF3R BU3YEURTKQJDN26CRXIB6KJA
17-10	0231	Catch Fly	30 chr EAM RYZAWJ CW3BDVV53ZQNHFLVRMSPXGT
17-10	0345	Catch Fly	30 chr EAM RYCPZG RIG32SEYKA4ZSGBQVHRVFT6
17-10	0531	Trick Head	30 chr EAM RYCPZG disregard this transmission
17-10	0542	Trick Head	30 chr EAM 57KX4M 7S3FZISNXYTIZUGTLLV6SER
17-10	0552	Catch Fly	30 chr EAM RYXKY7 WTCQK6FNUPRUK5DXLAXND3OS
28-10	2141	Cotter Pin	30 chr EAM DPP4HJ UKQBGZKHBWKYYLVYJKPETON3
28-10	2144	Cotter Pin	30 chr EAM DPY6FD 6GNYECQ2UZY07ETH3ZIWXA2N
28-10	2146	Cotter Pin	30 chr EAM DP3MCH 6SEC5O266X6TWZPNFZ6RDMWV
30-10	0731	???	30 chr EAM DP3HQI 4TVNTLAJQ2XWATIWUDV32K5N
31-10	0705	???	30 chr EAM DPNMBF OTBU3OJYVPI6WFE42WGKOLWD

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by JPL, RP-MD, WP3, JU

RMv/RNv/RNAv/RAv - Russian military voice transmissions

RAv – Russian Air Force

Korsar	Russian Military Transport Aviation (VTA) HQs, Moscow
Polis	117th Air Transport Regiment (VTAP), Orenburg
Klarnetist	196th Military Transport Air Regiment (VTAP), Migalovo/Tver
Proselok	566th Air Transport Regiment (VTAP), Bryansk
Davlenie	708th Air Transport Regiment (VTAP), Taganrog
Magnetron	566th Military Transport Air Regiment (VTAP) Seshcha

6685 kHz, 21-10

1202 UTC Korsar w/76548 (IL-76MD 12th Military Transport Air Division-Tver/Migalovo) reporting ops normal after 5 hrs flt time. At 1306Z reports 1600 MSK landing at Buntar (Russian AB Orenburg-2).

1210 UTC Korsar & Davlenie trying to contact 82011 (Russian AF AN-124-100 566th Military Transport Air Regiment, Seshcha) w/no response. At 1501Z 82011 reports 65 tons fuel remaining after 5 hrs flt time.

1223 UTC Korsar w/86875 (IL-76MD--not heard) reporting 35 tons fuel after 2 hours flt time & ops normal. At 1333Z 86875 reporting 1639 MSK landing at ?Pritok?

1232 UTC Korsar w/78811 (IL-76MD) reporting 1503 MSK departure from (missed) w/35 tons fuel.

1245 UTC Korsar w/76713 (IL-76MD 708th VTAP Taganrog Central) reporting landing at Khrabrovo w/44 tons fuel.

1250 UTC Korsar w/78810 (IL-76MD 566th Air Transport Regiment, Bryansk) reporting 1430 MSK departure from " The Point" (Latakia Syria) w/34 tons fuel and next is Raspiska (Russian AB Mozdok). At 1340Z reports ops normal after 2 hrs flt time.

1331 UTC Korsar w/09309 (Russian AF AN-22- 76th Independent Military Transport Air Squadron - Tver) reporting 43 tons fuel remaining after 1 hr flt time & ops normal.

1332 UTC Korsar w/78831 (IL-76MD 224th Air Detachment, Tver) reporting 1609 MSK departure from Vnukovo and ETA landing at Pskov 1725 MSK.

1449 UTC Korsar w/76612 (IL-76MD) reporting 1721 MSK departure from The Point w/63 tons fuel and next is Islamabad.

1451 UTC Korsar w/76649 (IL-76MD 708th VTAP Taganrog Central) reporting ops normal after 1 hr flt time.

6685 kHz, 25-10

0639 UTC Davlenie w/76768 (IL-76MD 708th Air Transport Regiment (VTAP), Taganrog) reporting departure from Kedr (Russian AB, Seshcha) and next is Ulyanovsk.

0641 UTC Korsar R/Cs w/76762 (IL-76MD).

0648 UTC 78813 (IL-76MD 566th Air Transport Regiment (VTAP), Bryansk) calling Proselok w/no response. Answered by Magnetron & report 0938 MSK departure from Kedr w/38 tons fuel and net is ?Malotochniy?

0651 UTC Korsar w/76552 (IL-76MD 566th Air Transport Regiment (VTAP), Bryansk) reporting 0928 MSK departure from Raspiska (Russian AB Mozdok) w/58 tons fuel & ops normal. Next is Kanatniy (Russian AB, Ivanovo-North). Wants flt info relayed to Proselok. At 0838Z reports to Proselok he has 42 tons fuel remaining after 2 hrs flt time & ops normal. At 0909Z reports 1309 MSK landing at Kanatniy.

0659 UTC Davlenie w/76749 (IL-76MD 708th Air Transport Regiment (VTAP), Taganrog) reporting 25 tons fuel remaining after 1 hr flt time & ops normal. At 0735Z reports landing at Korshun (Russian AB Gvardeyskoe, Crimea) to Davlenie

0717 UTC Polis ground R/Cs w/76767 (IL-76MD 117th Air Transport Regiment (VTAP), Orenburg)

0719 UTC Davlenie w/76747 (IL-76MD 708th Air Transport Regiment (VTAP), Taganrog) reporting 1017 MSK landing at Ulyanovsk-East.

0720 UTC Davlenie w/76768 (IL-76 708th VTAP Taganrog Central) reporting departure from Ulyanovsk & ops normal.

0722 UTC Korsar w/86875 (IL-76MD 708th Air Transport Regiment (VTAP), Taganrog) reporting 1001 MSK departure from Raspiska. At 0827Z reports landing at Kvartet (Russian AB Taganrog-Central) & ops normal.

0758 UTC Polotno (unid) ground R/Cs w/75517 (Russian AF IL-18V)

0848 UTC Korsar w/76771 (IL-76MD) reporting departure from Buntar (Russian AB Orenburg-2) and next is Ulyanovsk-East.

0850 UTC Korsar w/76772 (IL-76MD) reporting 1135 MSK departure from East (prob Ulyanovsk-East) w/50 tons fuel.

0852 UTC Korsar w/78776 (IL-76MD 196th Military Transport Air Regiment - Tver) reporting 1144 MSK departure from Tver w/40 tons fuel.

0920 UTC Korsar w/86901 (IL-76MD) reporting 53 tons fuel remaining after 1 hr flt time.

0930 UTC Korsar w/78789 (IL-76MD) reporting 1328 MSK landing at Ulyanovsk.
1013 UTC Korsar w/76572 (IL-76MD) reporting 1310 MSK departure from Kedr (Russian AB, Seshcha) w/54 tons fuel & next is Staraya Russa.

M32 - Russian / CIS Military CW Stations

4861 kHz, 16-10, 1710 UTC, i.p.

J9TL DE 9P6P K
R K
TMKW DE 9P6P K
R K
AT9U DE 9P6P K
AT9U DE 9P6P K
R K
8CFY DE 9P6P K
8CFY DE 9P6P K
8CFY DE 9P6P K
BZD. DE 9P6P K
R K
2TVU D

11155 kHz, 19-10

0608 UTC XXX XXX M7A2 M7A2 53461 NRAWODOG 1832 4320 K
 XXX XXX M7A2 M7A2 01930 MEZDRILXNYJ 5948 2783 K
0630 UTC XXX XXX M7A2 M7A2 50689 OBVALOWANXE 6623 3937 K
0632 UTC XXX XXX M7A2 M7A2 32008 BUVOTRON 1673 3024 K
0640 UTC XXX XXX M7A2 M7A2 50689 SEULOLUNX 1826 7433 K
0642 UTC XXX XXX M7A2 M7A2 69738 WOLKOSIP 9549 3696 K
0650 UTC XXX XXX M7A2 M7A2 79805 PERLOSLAD 4274 9230 K
0653 UTC XXX XXX M7A2 M7A2 90720 GRAÖOTAX 9885 8716 K
 XXX XXX M2A7 M2A7 92745 TORDOFARCH 5476 0400 K
 XXX XXX M2A7 M2A7 00182 POTOÖNYJ 6866 9083 K
0845 UTC XXX XXX M2A7 M2A7 86808 TREFOBAJT 3576 0814 K
0940 UTC XXX XXX RDL RDL 03038 FEMINIZM 3172 9912 K
1036 UTC XXX XXX RDL RDL 30971 SKOSOTERN 4011 9164 K

14411 kHz, 19-10

0856 UTC XXX XXX RDL RDL 58412 86808 TREFOBAJT 3576 0814
1057 UTC XXX XXX RDL RDL 37501 30971 SKOSOTERN 4011 9164

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

5478 kHz, 19-10, 0948 UTC

DE RJS (x2) QSA 3 QTC K =
RMEG (x3) DE RJS (x2) QSA 3 QTC K =
RMEG DE RJS QSA ? QTC K =
RJS 141 10 19 1250 IIII
RJS 141 10 19 1250 141 =
APNKE M M M M M SIMTA UKECJ SM\OA\A ARPOK ENGUM ITXAE UK/HVQ \AOPPO RPTAL K =
RJS = EIII
RJS RPT APNKE M M M M M SIMTA UKECJ SM\OA\A ARPOK ENGUM ITXAE UK/HVQ \AOPPO K

3398 kHz, 19-10, 1416 UTC

11111 18887 50532 87509 75017 52490 17294 23914 95523 16435
90017 35087 65462 43930 02701 94114 74194 99899 33395 98943
22575 19021 = AR RJB22K
RCC R 139 K
RJB22 OK QRU K

M32b - Russian Naval Aviation (Aviatsiya Voenno-morskogo Flota Rossii)

8816 kHz, 08-10, 0725 UTC

RJF94 RJC38 DE 47464
QTO 0720 QRD XLWF XLMD QRE 1020 QBD 0500 K
QQL ULPE 0830 QBD 0400 QBG 5800 K
QTH 16117 13700
(RJF94: 16116 13710)
QTR 0923 QBD 0300 QRE XLWF 1005 K
QQM XLWF 1002 SK

8816 kHz, 08-10, 0843 UTC

RJF94 RJC38 DE 54525
QTR 0840 QQL ULPE QBG 7000 K
QQM XUMU 1022 SK

8816 kHz, 08-10, 1113 UTC

RJF94 RJC38 DE 47464
QTO 1108 QRD XWWS XLWF QRE 1350 QBD 0500 K
QAY XUDD 1209 QBD 0400 QBG 6400 K
QTH 15475 14552 QTR 1246 QBD 0300 QRE XWWS 1325 K
QQM XWWS 1325 SK

8816 kHz, 08-10, 1257 UTC

RJF94 RJC38 DE 54525
QTO 1249 QRD XLLV XUMU QBD 0700 QRE 1410 K

8816 kHz, 08-10, 1455 UTC

RJF94 RJC38 DE 47464
QTO 14... QRD XLWF XWWS QRE 1745 K
QTH 15517 14474 QTR 1546 QBD 0400 QBG 6190 K
QTH 15656 13960 QTR 1647 QBD 0300 QRE XLWF 1755 K

8816 kHz, 08-10, 1530 UTC

RJF94 RJC38 DE 54525
QTO 1523 QRD XLMD XLLV QBD 0800 QRE 1800 K
QTR 1640 QQL ULPE QBG 7000 K

8816 kHz, 08-10, 1550 UTC

RJF94 RJC38 DE 47464
QTH 15517 14474 QTR 1546 QBD 0400 QBG 6100 K

LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	4390	23-10	1635	Tue	North Korean military i.p. VVV KSU DE PCB QSA ?		(JPL-CHN)
DPRK	13050	2-10	1333	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16120	5-10	1403	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	17450	8-10	1420	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	15724	11-10	1327	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB-AUT)
DPRK	12850	13-10	0812	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13050	13-10	1342	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	15820	23-10	0553	Tue	North Korean diplo i.p.,	DPRK-ARQ 600 LSB	(AB-AUT)
DPRK	16450	23-10	0610	Tue	North Korean diplo i.p.,	DPRK-ARQ 600 LSB	(AB-AUT)
DPRK	13050	23-10	1329	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	27-10	0807	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13888	29-10	1403	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14449	30-10	1352	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13050	30-10	1402	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	5186	4-10	2030	Thu	891 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000	USB	(AB)
E06	18425	5-10	0600	Fri	186 473 50 81909	USB	(HFD)
E06	20230	5-10	0700	Fri	186	USB	(HFD)
E06	4874	5-10	2008	Fri	111 111 111 00000	USB	(AB)
E06	5197	5-10	2130	Fri	634 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000	USB	(AB)
E06	16219	17-10	0300	Wed	361 457 39 8437#	USB	(HFD-J)
E06	13545	17-10	0400	Wed	361	USB	(HFD)
E06	5186	18-10	2019	Thu	111 111	USB	(AB)
E06	5186	18-10	2059	Thu	891 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000	USB	(AB)
E07	11539	1-10	1900	Mon	511 511 511 000	USB	(AB/MPJ/RL/HFD)
E07	10139	1-10	1920	Mon	511 511 511 000	USB	(AB/MPJ/RL/HFD)
E07	15962	2-10	0700	Tue	945 945 945 000	USB	(HFD)
E07	17462	2-10	0720	Tue	945 945 945 000	USB	(HFD)
E07	17471	2-10	1100	Tue	489 489 489 1 424 95 424 95 71355 05 02469 ... 33369 07462 54493 000 000	USB	(AB-ROU)
E07	15871	2-10	1120	Tue	489 489 489 1 424 95 424 95 71355 05 02469 ... 33369 07462 54493 000 000	USB	(AB-ROU/MPJ-RUS)
E07	13971	2-10	1140	Tue	489 489 489 1 424 95 424 95 71355 05 02469 ... 33369 07462 54493 000 000	USB	(AB/MPJ-RUS)
E07	11156	3-10	1700	Wed	130 130 130 1 2386 107 2386 107 54489 46802 22705 ... 67110 05012 94124 000 000	USB	(AB)
E07	9356	3-10	1720	Wed	130 130 130 1 2386 107 2386 107 54489 46802 22705 ... 67110 05012 94124 000 000	USB	(AB)
E07	8056	3-10	1740	Wed	130 130 130 1 2386 107 2386 107 54489 46802 22705 ... 67110 05012 94124 000 000	USB	(AB)
E07	11539	3-10	1900	Wed	511 511 511 000	USB	(AB/MPJ/RL/Dan)
E07	10139	3-10	1920	Wed	511 511 511 000	USB	(AB/MPJ/RL/Dan)
E07	15962	5-10	0700	Fri	945 945 945 000	USB	(AB-AUT)
E07	17462	5-10	0720	Fri	945 945 945 000	USB	(AB-AUT)

E07	17471	5-10	1100	Fri	489 489 489 1 424 95 424 95 71355 05 02469 ... 33369 07462 54493 000 000	USB	(AB-ROU/MPJ/HFD)
E07	15871	5-10	1120	Fri	489 489 489 1 424 95 424 95 71355 05 02469 ... 33369 07462 54493 000 000	USB	(AB/MPJ/HFD)
E07	13971	5-10	1140	Fri	489 489 489 1 424 95 424 95 71355 05 02469 ... 33369 07462 54493 000 000	USB	(AB/MPJ/HFD)
E07	9064	6-10	0600	Sat	024 024 024 1 990 118 990 118 55248 47787 92941 ... 97852 62414 92790 000 000	USB	(AB)
E07	10264	6-10	0620	Sat	024 024 024 1 990 118 990 118 55248 47787 92941 ... 97852 62414 92790 000 000	USB	(AB)
E07	11464	6-10	0640	Sat	024 024 024 1 990 118 990 118 55248 47787 92941 ... 97852 62414 92790 000 000	USB	(AB)
E07	9064	7-10	0600	Sun	024 024 024 1 990 118 990 118 55248 47787 92941 ... 97852 62414 92790 000 000	USB	(AB)
E07	10264	7-10	0620	Sun	024 024 024 1 990 118 990 118 55248 47787 92941 ... 97852 62414 92790 000 000	USB	(AB)
E07	11464	7-10	0640	Sun	024 024 024 1 990 118 990 118 55248 47787 92941 ... 97852 62414 92790 000 000	USB	(AB)
E07	11156	7-10	1700	Sun	130 130 130 1 2386 107 2386 107 54489 46802 22705 ... 67110 05012 94124 000 000	USB	(AB/MPJ/HFD)
E07	9356	7-10	1720	Sun	130 130 130 1 2386 107 2386 107 54489 46802 22705 ... 67110 05012 94124 000 000	USB	(AB/MPJ/HFD)
E07	8056	7-10	1740	Sun	130 130 130 1 2386 107 2386 107 54489 46802 22705 ... 67110 05012 94124 000 000	USB	(AB/MPJ/HFD)
E07	11539	8-10	1900	Mon	511 511 511 000	USB	(AB/MPJ)
E07	10139	8-10	1920	Mon	511 511 511 000	USB	(AB/MPJ/RL)
E07	17471	9-10	1100	Tue	489 489 489 000	USB	(AB-AUT)
E07	15871	9-10	1120	Tue	489 489 489 000	USB	(AB-AUT)
E07	11156	10-10	1700	Wed	130 130 130 1 8619 127 8619 127 84902 53991 12346 ... 10261 68535 57188 000 000	USB	(AB/MPJ)
E07	9356	10-10	1720	Wed	130 130 130 1 8619 127 8619 127 84902 53991 12346 ... 10261 68535 57188 000 000	USB	(AB/MPJ)
E07	8056	10-10	1740	Wed	130 130 130 1 8619 127 8619 127 84902 53991 12346 ... 10261 68535 57188 000 000	USB	(AB/MPJ)
E07	11539	10-10	1900	Wed	511 511 511 000	USB	(AB/MPJ/RL)
E07	10139	10-10	1920	Wed	511 511 511 000	USB	(AB/MPJ/RL)
E07	15962	12-10	0700	Fri	945 945 945 1 473 93 473 93 72061 64030 65213 ... 75844 46574 98574 000 000	USB	(AB-AUT)
E07	17462	12-10	0720	Fri	945 945 945 1 473 93 473 93 72061 64030 65213 ... 75844 46574 98574 000 000	USB	(AB-AUT)
E07	18542	12-10	0740	Fri	945 945 945 1 473 93 473 93 72061 64030 65213 ... 75844 46574 98574 000 000	USB	(AB-AUT)
E07	17471	12-10	1100	Fri	489 489 489 000	USB	(AB-AUT/MPJ)
E07	15871	12-10	1120	Fri	489 489 489 000	USB	(AB/MPJ)
E07	9064	13-10	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	13-10	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	14-10	0600	Sun	024 024 024 000	USB	(AB/GHn)
E07	10264	14-10	0620	Sun	024 024 024 000	USB	(AB)
E07	11156	14-10	1700	Sun	130 130 130 1 8619 127 8619 127 84902 53991 12346 ... 10261 68535 57188 000 000	USB	(AB/MPJ)
E07	9356	14-10	1720	Sun	130 130 130 1 8619 127 8619 127 84902 53991 12346 ... 10261 68535 57188 000 000	USB	(AB/MPJ)
E07	8056	14-10	1740	Sun	130 130 130 1 8619 127 8619 127 84902 53991 12346 ... 10261 68535 57188 000 000	USB	(AB/MPJ)
E07	11539	15-10	1900	Mon	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	10139	15-10	1920	Mon	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	9139	15-10	1940	Mon	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB)
E07	17471	16-10	1100	Tue	489 489 489 1 9439 83 9439 83 43413 26392 20714 ... 72776 61880 34491 000 000	USB	(AB/MPJ)
E07	15871	16-10	1120	Tue	489 489 489 1 9439 83 9439 83 43413 26392 20714 ... 72776 61880 34491 000 000	USB	(AB/MPJ)
E07	13971	16-10	1140	Tue	489 489 489 1 9439 83 9439 83 43413 26392 20714 ... 72776 61880 34491 000 000	USB	(AB/MPJ)
E07	11156	17-10	1700	Wed	130 130 130 000	USB	(AB/MPJ)

E07	9356	17-10	1720	Wed	130 130 130 000	USB	(AB/MPJ/skx)
E07	11539	17-10	1900	Wed	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	10139	17-10	1920	Wed	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	9139	17-10	1940	Wed	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB)
E07	15849	18-10	1410	Thu	746 746 746 1 4399 63 4399 63 33179 22075 38494 ... 40350 93137 72149 000 000	USB	(AB)
E07	14849	18-10	1430	Thu	746 746 746 1 4399 63 4399 63 33179 22075 38494 ... 40350 93137 72149 000 000	USB	(AB)
E07	13449	18-10	1450	Thu	746 746 746 1 4399 63 4399 63 33179 22075 38494 ... 40350 93137 72149 000 000	USB	(AB)
E07	13449	20-10	1410	Sat	746 1 4399 63 33179 22075 38494 ... 40350 93137 72149 000 000	USB	(MPJ)
E07	14849	20-10	1410	Sat	746 1 4399 63 33179 22075 38494 ... 40350 93137 72149 000 000	USB	(MPJ)
E07	15849	20-10	1410	Sat	746 1 4399 63 33179 22075 38494 ... 40350 93137 72149 000 000	USB	(MPJ)
E07	11156	21-10	1700	Sun	130 130 130 000	USB	(MPJ)
E07	9356	21-10	1720	Sun	130 130 130 000	USB	(MPJ)
E07	11539	22-10	1900	Mon	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	10139	22-10	1920	Mon	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	9139	22-10	1940	Mon	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	17471	23-10	1100	Tue	489 489 489 000	USB	(AB)
E07	15871	23-10	1120	Tue	489 489 489 000	USB	(AB)
E07	11156	24-10	1700	Wed	130 130 130 000	USB	(AB)
E07	9356	24-10	1720	Wed	130 130 130 000	USB	(AB)
E07	11539	24-10	1900	Wed	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB)
E07	10139	24-10	1920	Wed	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/Dan)
E07	9139	24-10	1940	Wed	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB)
E07	15849	25-10	1410	Thu	746 746 746 000	USB	(AB/HFD)
E07	14849	25-10	1430	Thu	746 746 746 000	USB	(AB/HFD)
E07	15962	26-10	0700	Fri	945 945 945 1 588 71 588 71 35450 12700 70144 ... 60428 69344 13162 000 000	USB	(AB)
E07	17462	26-10	0720	Fri	945 945 945 1 588 71 588 71 35450 12700 70144 ... 60428 69344 13162 000 000	USB	(AB)
E07	18542	26-10	0740	Fri	945 945 945 1 588 71 588 71 35450 12700 70144 ... 60428 69344 13162 000 000	USB	(AB)
E07	17471	26-10	1100	Fri	489 489 489 000	USB	(AB)
E07	15871	26-10	1120	Fri	489 489 489 000	USB	(AB)
E07	9064	27-10	0600	Sat	024 024 024 1 656 50 656 50 32843 54313 27147 ... 54523 00577 42915 000 000	USB	(AB)
E07	10264	27-10	0620	Sat	024 024 024 1 656 50 656 50 32843 54313 27147 ... 54523 00577 42915 000 000	USB	(AB)
E07	11464	27-10	0640	Sat	024 024 024 1 656 50 656 50 32843 54313 27147 ... 54523 00577 42915 000 000	USB	(AB)
E07	9064	28-10	0600	Sun	024 024 024 1 656 50 656 50 32843 54313 27147 ... 54523 00577 42915 000 000	USB	(AB)
E07	10264	28-10	0620	Sun	024 024 024 1 656 50 656 50 32843 54313 27147 ... 54523 00577 42915 000 000	USB	(AB)
E07	11464	28-10	0640	Sun	024 024 024 1 656 50 656 50 32843 54313 27147 ... 54523 00577 42915 000 000	USB	(AB)
E07	11156	28-10	1700	Sun	130 130 130 000	USB	(AB)
E07	9356	28-10	1720	Sun	130 130 130 000	USB	(AB)
E07	11539	29-10	1900	Mon	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ/RL)
E07	10139	29-10	1920	Mon	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ/RL)
E07	9139	29-10	1940	Mon	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ/RL)

E07	15962	30-10	0700	Tue	945 945 945 000	USB	(AB-AUT)
E07	17462	30-10	0720	Tue	945 945 945 000	USB	(AB-AUT)
E07	17471	30-10	1100	Tue	489 489 489 000	USB	(AB/MPJ)
E07	15871	30-10	1120	Tue	489 489 489 000	USB	(AB/MPJ)
E07	11156	31-10	1700	Wed	130 130 130 000	USB	(AB/MPJ)
E07	9356	31-10	1720	Wed	130 130 130 000	USB	(AB/MPJ)
E07	11539	31-10	1900	Wed	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/BW3)
E07	10139	31-10	1920	Wed	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB)
E07	9139	31-10	1940	Wed	511 511 511 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB)
E07a	8144	3-10	2000	Wed	197 197 197 000	USB	(AB/HFD)
E07a	6944	3-10	2020	Wed	197 197 197 000	USB	(AB/HFD)
E07a	6788	4-10	0430	Thu	741 741 741 000	USB	(AB/HFD)
E07a	7488	4-10	0450	Thu	741 741 741 000	USB	(AB/HFD)
E07a	11424	5-10	1510	Fri	411 411 411 000	USB	(AB/MPJ)
E07a	10124	5-10	1530	Fri	411 411 411 000	USB	(AB/MPJ)
E07a	11484	6-10	0800	Sat	413 413 413 000	USB	(AB)
E07a	12184	6-10	0820	Sat	413 413 413 000	USB	(AB)
E07a	8144	10-10	2000	Wed	197 197 197 1 36966 314 67 314 67 11617 14632 88694 ... 32898 43613 72170 000 000	USB	(AB)
E07a	6944	10-10	2020	Wed	197 197 197 1 36966 314 67 314 67 11617 14632 88694 ... 32898 43613 72170 000 000	USB	(AB)
E07a	5744	10-10	2040	Wed	197 197 197 1 36966 314 67 314 67 11617 14632 88694 ... 32898 43613 72170 000 000	USB	(AB)
E07a	6788	11-10	0430	Thu	741 741 741 1 36966 314 67 314 67 11617 14632 88694 ... 32898 43613 72170 000 000	USB	(AB)
E07a	7488	11-10	0450	Thu	741 741 741 1 36966 314 67 314 67 11617 14632 88694 ... 32898 43613 72170 000 000	USB	(AB)
E07a	8188	11-10	0510	Thu	741 741 741 1 36966 314 67 314 67 11617 14632 88694 ... 32898 43613 72170 000 000	USB	(AB)
E07a	11424	12-10	1510	Fri	411 411 411 1 66461 306 73 306 73 79633 30000 31929 ... 01679 76043 17781 78121 48236 41404 000 000	USB	(AB/MPJ)
E07a	10124	12-10	1530	Fri	411 411 411 1 66461 306 73 306 73 79633 30000 31929 ... 01679 76043 17781 78121 48236 41404 000 000	USB	(AB/MPJ)
E07a	8124	12-10	1550	Fri	411 411 411 1 66461 306 73 306 73 79633 30000 31929 ... 01679 76043 17781 78121 48236 41404 000 000	USB	(MPJ)
E07a	11484	13-10	0800	Sat	413 413 413 1 66461 306 73 306 73 79633 30000 31929 ... 78121 48236 41404 000 000	USB	(AB/HFD)
E07a	12184	13-10	0820	Sat	413 413 413 1 66461 306 73 306 73 79633 30000 31929 ... 78121 48236 41404 000 000	USB	(AB/HFD)
E07a	13384	13-10	0840	Sat	413 413 413 1 66461 306 73 306 73 79633 30000 31929 ... 78121 48236 41404 000 000	USB	(AB/HFD)
E07a	8144	17-10	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	17-10	2020	Wed	197 197 197 000	USB	(AB)
E07a	6788	18-10	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	18-10	0450	Thu	741 741 741 000	USB	(AB)
E07a	11424	19-10	1510	Fri	411 411 411 000	USB	(MPJ/HFD)/BW3-G
E07a	10124	19-10	1530	Fri	411 411 411 000	USB	(MPJ/HFD)
E07a	11484	20-10	0800	Sat	411 411 411 000	USB	(HFD)
E07a	12184	20-10	0820	Sat	411 411 411 000	USB	(HFD)

E07a	8144	24-10	2000	Wed	197 197 197 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB)
E07a	6944	24-10	2020	Wed	197 197 197 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB)
E07a	5744	24-10	2040	Wed	197 197 197 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB)
E07a	6788	25-10	0430	Thu	741 741 741 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB)
E07a	7488	25-10	0450	Thu	741 741 741 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB)
E07a	8188	25-10	0510	Thu	741 741 741 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB)
E07a	11424	26-10	1510	Fri	411 411 411 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB/HFD)
E07a	10124	26-10	1530	Fri	411 411 411 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB/HFD)
E07a	8124	26-10	1550	Fri	411 411 411 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB/HFD)
E07a	11484	27-10	0800	Sat	413 413 413 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB)
E07a	12184	27-10	0820	Sat	413 413 413 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB)
E07a	13384	27-10	0840	Sat	413 413 413 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB)
E07a	8144	31-10	2000	Wed	197 197 197 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB/MPJ)
E07a	6944	31-10	2020	Wed	197 197 197 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB/MPJ)
E07a	5744	31-10	2040	Wed	197 197 197 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB/MPJ)
E11	13470	1-10	0600	Mon	188/00	USB	(AB)
E11	12153	1-10	0640	Mon	941/00	USB	(AB)
E11	7317	1-10	1045	Mon	697/00	USB	(AB)
E11	20286	1-10	1225	Mon	525/00	USB	(MPJ)
E11	5082	2-10	0700	Tue	571/00	USB	(AB)
E11	9963	2-10	0715	Tue	637/00	USB	(AB)
E11	10246	2-10	0845	Tue	155/00	USB	(AB)
E11	7727	2-10	1205	Tue	466/00	USB	(AB/MPJ)
E11	10800	2-10	1645	Tue	337/00	USB	(AB/MPJ)
E11	10620	2-10	1925	Tue	553/00	USB	(AB)
E11	12153	3-10	0640	Wed	940/00	USB	(AB)
E11	6807	3-10	0930	Wed	275/00	USB	(AB)
E11	7727	3-10	1205	Wed	465/00	USB	(AB)
E11	10448	3-10	1625	Wed	976/00	USB	(AB)
E11	10213	3-10	1705	Wed	396/00	USB	(MPJ)
E11	5371	4-10	0820	Thu	431/00	USB	(AB)
E11	10246	4-10	0845	Thu	159/00	USB	(AB)
E11	6807	4-10	0930	Thu	278/00	USB	(AB)
E11	10800	4-10	1645	Thu	330/00	USB	(AB/MPJ)
E11	7317	4-10	1900	Thu	644/37 37488 48059 05082 ... 31578 10157 49520 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11	10620	4-10	1925	Thu	553/00	USB	(AB)
E11	13470	5-10	0600	Fri	183/00	USB	(AB)
E11	8180	5-10	0700	Fri	577/00	USB	(AB)
E11	9963	5-10	0715	Fri	636/00	USB	(AB)

E11	20286	5-10	1225	Fri	521/00	USB	(AB-GRC)
E11	20286	5-10	1225	Fri	521/00 via KiwiSDR Sard.	USB	(HFD-I)
E11	8530	5-10	1910	Fri	616/00	USB	(AB/MPJ)
E11	8102	6-10	0710	Sat	498/00	USB	(AB)
E11	9200	6-10	0805	Sat	314/00	USB	(AB)
E11	10213	6-10	1705	Sat	390/00	USB	(AB/GHn)
E11	8102	7-10	0710	Sun	498/00	USB	(AB)
E11	9200	7-10	0805	Sun	314/00	USB	(AB)
E11	10448	7-10	1625	Sun	975/00	USB	(AB/MPJ)
E11	8530	7-10	1910	Sun	610/00	USB	(AB/MPJ)
E11	5371	8-10	0450	Mon	418/00	USB	(AB)
E11	13470	8-10	0600	Mon	189/00	USB	(AB)
E11	10213	8-10	0745	Mon	262/00	USB	(AB)
E11	5371	8-10	0820	Mon	435/00	USB	(AB)
E11	8180	8-10	0900	Mon	534/00	USB	(AB)
E11	13470	8-10	1745	Mon	242/00	USB	(AB)
E11	7317	8-10	1900	Mon	646/00	USB	(AB/MPJ)
E11	10800	9-10	0645	Tue	514/00	USB	(AB)
E11	8180	9-10	0700	Tue	575/00	USB	(AB)
E11	9963	9-10	0715	Tue	636/00	USB	(AB)
E11	10246	9-10	0845	Tue	157/00	USB	(AB)
E11	7840	9-10	1000	Tue	309/00	USB	(AB)
E11	7727	9-10	1205	Tue	463/00	USB	(AB/MPJ)
E11	13046	9-10	1345	Tue	919/00	USB	(AB/GHn)
E11	6397	9-10	1605	Tue	237/00	USB	(AB/GHn/MPJ)
E11	12153	10-10	0640	Wed	948/22 78249 70894 23325 ... 99696 66431 05184 (message repeated) Out. No "Attention"	USB	(AB)
E11	17410	10-10	0745	Wed	342/00	USB	(AB-AUT)
E11	14972	10-10	0830	Wed	132/00	USB	(HFD)
E11	16005	10-10	0835	Wed	130/00	USB	(HFD)
E11	17120	10-10	0840	Wed	134/00	USB	(HFD)
E11	8180	10-10	0900	Wed	538/00	USB	(AB)
E11	13908	10-10	1130	Wed	134/00	USB	(HFD)
E11	15915	10-10	1140	Wed	130/00	USB	(HFD)
E11	7727	10-10	1205	Wed	460/00	USB	(AB/MPJ)
E11	10448	10-10	1625	Wed	978/00	USB	(AB/MPJ)
E11	10213	10-10	1705	Wed	392/00	USB	(AB/MPJ)
E11	5844	10-10	1730	Wed	408/00	USB	(AB/MPJ)
E11	7850	11-10	0315	Thu	252/00	USB	(BW3)
E11	10800	11-10	0645	Thu	515/00	USB	(AB)

E11	5371	11-10	0820	Thu	435/00	USB	(AB)
E11	6807	11-10	0930	Thu	270/00	USB	(AB)
E11	13908	11-10	1130	Thu	130/00	USB	(HFD)
E11	15915	11-10	1140	Thu	130/00	USB	(HFD)
E11	10302	11-10	1300	Thu	588/00	USB	(AB/MPJ)
E11	15690	11-10	1430	Thu	130/00	USB	(HFD)
E11	16125	11-10	1435	Thu	136/00	USB	(HFD)
E11	17120	11-10	1440	Thu	132/00	USB	(HFD)
E11	10330	11-10	1530	Thu	260/00	USB	(AB/MPJ)
E11	7864	11-10	1730	Thu	418/00	USB	(AB/MPJ)
E11	7317	11-10	1900	Thu	649/00	USB	(AB/MPJ)
E11	13470	12-10	0600	Fri	189/00	USB	(AB)
E11	8180	12-10	0700	Fri	570/00	USB	(AB)
E11	9963	12-10	0715	Fri	634/00	USB	(AB)
E11	17410	12-10	0745	Fri	347/00 ??	USB	(AB-QAT)
E11	7840	12-10	1000	Fri	308/00	USB	(AB)
E11	15690	12-10	1430	Fri	134/00	USB	(HFD)
E11	16125	12-10	1435	Fri	134/00	USB	(HFD)
E11	17120	12-10	1440	Fri	131/00	USB	(HFD)
E11	13873	12-10	1650	Fri	924/00	USB	(AB/MPJ)
E11	8530	12-10	1910	Fri	613/00	USB	(AB/MPJ)
E11	8088	12-10	2035	Fri	132/00	USB	(HFD)
E11	9052	12-10	2040	Fri	136/00	USB	(HFD)
E11	8102	13-10	0710	Sat	497/00	USB	(AB)
E11	9200	13-10	0805	Sat	314/00	USB	(AB)
E11	10302	13-10	1300	Sat	583/00	USB	(AB/MPJ)
E11	13046	13-10	1345	Sat	917/00	USB	(AB)
E11	15690	13-10	1430	Sat	138/00	USB	(HFD)
E11	16125	13-10	1435	Sat	133/00	USB	(HFD)
E11	17120	13-10	1440	Sat	133/00	USB	(HFD)
E11	10213	13-10	1705	Sat	399/00	USB	(AB/MPJ)
E11	5844	13-10	1730	Sat	400/00	USB	(AB)
E11	7469	13-10	2030	Sat	135/00	USB	(HFD)
E11	8088	13-10	2035	Sat	135/00	USB	(HFD)
E11	9052	13-10	2040	Sat	130/00	USB	(HFD)
E11	8102	14-10	0710	Sun	495/00	USB	(AB)
E11	9200	14-10	0805	Sun	314/00	USB	(AB)
E11	6397	14-10	1605	Sun	235/00	USB	(AB/MPJ)
E11	10448	14-10	1625	Sun	977/00	USB	(AB/MPJ)
E11	13873	14-10	1650	Sun	924/00	USB	(AB/MPJ)

E11	11116	14-10	1730	Sun	136/00	USB	(HFD)
E11	12089	14-10	1735	Sun	134/00	USB	(HFD)
E11	13470	14-10	1745	Sun	248/00	USB	(MPJ)
E11	8530	14-10	1910	Sun	616/00	USB	(AB/MPJ)
E11	5371	15-10	0450	Mon	416/00	USB	(AB)
E11	12153	15-10	0640	Mon	945/00	USB	(AB)
E11	10213	15-10	0745	Mon	261/00	USB	(AB)
E11	5371	15-10	0820	Mon	430/00	USB	(AB)
E11	8180	15-10	0900	Mon	537/00	USB	(AB)
E11	7317	15-10	1045	Mon	694/00	USB	(AB)
E11	20286	15-10	1225	Mon	524/00	USB	(AB-AUT/MPJ)
E11	13470	15-10	1745	Mon	247/00	USB	(AB/MPJ)
E11	7317	15-10	1900	Mon	643/00	USB	(MPJ)
E11	7850	16-10	0315	Tue	259/00	USB	(HFD)
E11	7727	16-10	1205	Tue	462/00	USB	(AB/MPJ)
E11	13046	16-10	1345	Tue	915/00	USB	(MPJ)
E11	6397	16-10	1605	Tue	233/00	USB	(MPJ)
E11	10800	16-10	1645	Tue	335/00	USB	(MPJ/ER-HOL)
E11	12153	17-10	0640	Wed	948/00	USB	(AB)
E11	17410	17-10	0745	Wed	347/00	USB	(AB-AUT)
E11	8180	17-10	0900	Wed	537/00	USB	(AB)
E11	6807	17-10	0930	Wed	273/00	USB	(AB)
E11	7317	17-10	1045	Wed	694/00	USB	(AB)
E11	7727	17-10	1205	Wed	463/00	USB	(AB/MPJ)
E11	10213	17-10	1705	Wed	394/00	USB	(MPJ)
E11	5844	17-10	1730	Wed	400/00	USB	(AB/MPJ)
E11	10800	18-10	0645	Thu	514/00	USB	(AB)
E11	6807	18-10	0930	Thu	277/00	USB	(AB)
E11	10302	18-10	1300	Thu	587/00	USB	(AB)
E11	10800	18-10	1645	Thu	337/00	USB	(AB/MPJ)
E11	7864	18-10	1730	Thu	412/00	USB	(AB)
E11	7317	18-10	1900	Thu	647/00	USB	(AB)
E11	20286	19-10	1225	Fri	521/00	USB	(MPJ-I)
E11	13873	19-10	1650	Fri	926/00	USB	(MPJ)
E11	8530	19-10	1910	Fri	611/00	USB	(MPJ)
E11	10302	20-10	1300	Sat	588/00	USB	(MPJ)
E11	13046	20-10	1345	Sat	915/00	USB	(MPJ)
E11	10213	20-10	1705	Sat	396/00	USB	(MPJ)
E11	5844	20-10	1730	Sat	409/00	USB	(MPJ)
E11	6397	21-10	1605	Sun	231/00	USB	(MPJ/GHn)

E11	10448	21-10	1625	Sun	978/00	USB	(MPJ)
E11	13873	21-10	1650	Sun	921/00	USB	(MPJ-HOL)
E11	8530	21-10	1910	Sun	611/00	USB	(MPJ)
E11	7317	22-10	1045	Mon	691/00	USB	(MPJ)
E11	20286	22-10	1225	Mon	522/00	USB	(AB-AUT/MPJ-I)
E11	13470	22-10	1745	Mon	249/00	USB	(AB/MPJ)
E11	10800	23-10	0645	Tue	512/00	USB	(AB)
E11	8180	23-10	0700	Tue	577/00	USB	(AB)
E11	9963	23-10	0715	Tue	635/00	USB	(AB)
E11	10246	23-10	0845	Tue	159/00	USB	(AB)
E11	7840	23-10	1000	Tue	309/00	USB	(AB)
E11	7727	23-10	1205	Tue	461/00	USB	(AB/MPJ)
E11	10800	23-10	1645	Tue	332/00	USB	(MPJ)
E11	10620	23-10	1925	Tue	558/00	USB	(AB)
E11	12153	24-10	0640	Wed	941/00	USB	(AB)
E11	17410	24-10	0745	Wed	348/00	USB	(AB-AUT)
E11	8180	24-10	0900	Wed	536/00	USB	(AB)
E11	7317	24-10	1045	Wed	696/00	USB	(AB)
E11	7727	24-10	1205	Wed	463/00	USB	(AB)
E11	10448	24-10	1625	Wed	974/00	USB	(AB)
E11	10213	24-10	1705	Wed	393/00	USB	(AB)
E11	5844	24-10	1730	Wed	403/00	USB	(AB)
E11	10800	25-10	0645	Thu	512/00	USB	(AB)
E11	10246	25-10	0845	Thu	154/00	USB	(AB)
E11	10302	25-10	1300	Thu	589/00	USB	(AB)
E11	10330	25-10	1530	Thu	268/00	USB	(GHn)
E11	10800	25-10	1645	Thu	333/00	USB	(AB)
E11	7864	25-10	1730	Thu	416/00	USB	(AB)
E11	7317	25-10	1900	Thu	646/00	USB	(AB)
E11	10620	25-10	1925	Thu	556/00	USB	(AB)
E11	13470	26-10	0600	Fri	182/00	USB	(AB)
E11	8180	26-10	0700	Fri	576/00	USB	(AB)
E11	9963	26-10	0715	Fri	634/00	USB	(AB)
E11	17410	26-10	0745	Fri	343/00	USB	(AB-HNG)
E11	7840	26-10	1000	Fri	309/00	USB	(AB)
E11	20286	26-10	1225	Fri	524/00	USB	(AB-HNG)
E11	13873	26-10	1650	Fri	927/00	USB	(AB)
E11	9200	27-10	0805	Sat	315/00	USB	(AB)
E11	10302	27-10	1300	Sat	585/00	USB	(AB)
E11	10213	27-10	1705	Sat	393/00	USB	(AB)

E11	5844	27-10	1730	Sat	409/00	USB	(AB)
E11	9200	28-10	0805	Sun	311/00	USB	(AB)
E11	10448	28-10	1625	Sun	972/00	USB	(AB)
E11	13873	28-10	1650	Sun	924/00	USB	(AB)
E11	13470	28-10	1745	Sun	244/00	USB	(AB)
E11	8186	28-10	2005	Sun	364/00	USB	(AB)
E11	13470	29-10	0600	Mon	183/00	USB	(AB)
E11	12153	29-10	0640	Mon	941/00	USB	(AB)
E11	10213	29-10	0745	Mon	260/00	USB	(AB)
E11	5371	29-10	0820	Mon	438/00	USB	(AB)
E11	8180	29-10	0900	Mon	533/00	USB	(AB)
E11	7317	29-10	1045	Mon	693/00	USB	(AB)
E11	20286	29-10	1225	Mon	525/00	USB	(AB)
E11	13470	29-10	1745	Mon	240/00	USB	(AB-AU/MPJ-POL)
E11	7317	29-10	1900	Mon	643/00	USB	(AB-AUT/MPJ)
E11	10800	30-10	0645	Tue	512/00	USB	(AB)
E11	8180	30-10	0700	Tue	574/00	USB	(AB)
E11	9963	30-10	0715	Tue	639/00	USB	(AB)
E11	7840	30-10	1000	Tue	300/00	USB	(AB)
E11	13046	30-10	1345	Tue	917/00	USB	(AB/MPJ)
E11	6397	30-10	1605	Tue	238/00	USB	(AB/GHn/MPJ/BW3-G)
E11	10800	30-10	1645	Tue	333/00	USB	(AB/MPJ)
E11	10620	30-10	1925	Tue	558/00	USB	(AB/MPJ)
E11	12153	31-10	0640	Wed	949/00	USB	(AB)
E11	17410	31-10	0745	Wed	344/00	USB	(AB-QAT)
E11	8180	31-10	0900	Wed	536/00	USB	(AB)
E11	6807	31-10	0930	Wed	276/00	USB	(AB)
E11	7317	31-10	1045	Wed	692/00	USB	(AB)
E11	10448	31-10	1625	Wed	974/00	USB	(AB/MPJ)
E11	10213	31-10	1705	Wed	392/00	USB	(AB)
E11	5844	31-10	1730	Wed	404/00	USB	(AB/BW3)
E11a	5371	1-10	0450	Mon	410/34 Attention 80903 76591 10660 ... 65291 91962 62376 Attention (message repeated) Out	USB	(AB)
E11a	10213	1-10	0745	Mon	264/30 Attention 43432 19523 05074 ... 21399 84605 89579 Attention (message repeated) Out	USB	(AB)
E11a	8180	1-10	0900	Mon	530/33 Attention 02828 93258 91706 ... 72208 82707 78951 (message repeated) Out	USB	(AB)
E11a	13470	1-10	1745	Mon	241/32 37690 04036 38984 ... 63325 57650 68842. rpts. Out	USB	(MPJ)
E11a	7317	1-10	1900	Mon	644/37 37488 48059 05082 ... 31578 10157 49520 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	10800	2-10	0645	Tue	516/43 Attention 80863 25372 66406 ... 24858 55338 25051 (message repeated) Out.	USB	(AB)

					No "Attention"			
E11a	7840	2-10	1000	Tue	309/21 61905 93661 79786 ... 56340 69218 88129 (message repeated) Out. No "Attention"	USB	(AB)	
E11a	13046	2-10	1345	Tue	918/37 31159 13316 50457 ... 04124 24642 14073 (message repeated) Out. No "Attention"	USB	(AB-POL/MPJ)	
E11a	6397	2-10	1605	Tue	235/37 07960 81538 86066 ... 49542 76828 64562 (message repeated) Out. No "Attention"	USB	(AB/MPJ)	
E11a	8180	3-10	0900	Wed	530/33 Attention 02828 93258 91706 ... 72208 82707 78951 (message repeated) Out	USB	(AB)	
E11a	5844	3-10	1730	Wed	409/34 64223 97562 21660 ... 00925 51010 14457 (message repeated) Out. No "Attention"	USB	(AB/MPJ)	
E11a	10800	4-10	0645	Thu	516/43 Attention 80863 25372 66406 ... 24858 55338 25051 (message repeated) Out. No "Attention"	USB	(AB)	
E11a	10302	4-10	1300	Thu	583/33 36014 62831 11692 ... 28974 36884 60711 (message repeated) Out. No "Attention"	USB	(AB/MPJ)	
E11a	10330	4-10	1530	Thu	264/30 Attention 43432 19523 05074 ... 21399 84605 89579 Attention (message repeated) Out	USB	(AB/MPJ/BW3)	
E11a	7864	4-10	1730	Thu	410/34 Attention 80903 76591 10660 ... 65291 91962 62376 Attention (message repeated) Out	USB	(AB/MPJ)	
E11a	7840	5-10	1000	Fri	302/38 Attention 53268 07034 99660 ... 99077 08413 23089 Attention (message repeated) Out	USB	(AB)	
E11a	13873	5-10	1650	Fri	925/40 56155 36742 66063 ... 37956 42100 39640 (message repeated) Out. No "Attention"	USB	(AB-ROU/MPJ)	
E11a	10302	6-10	1300	Sat	583/33 36014 62831 11692 ... 28974 36884 60711 (message repeated) Out. No "Attention"	USB	(AB/MPJ-HOL)	
E11a	13046	6-10	1345	Sat	918/37 31159 13316 50457 ... 04124 24642 14073 (message repeated) Out. No "Attention"	USB	(AB/MPJ)	
E11a	5844	6-10	1730	Sat	409/34 64223 97562 21660 ... 00925 51010 14457 (message repeated) Out. No "Attention"	USB	(AB/GHn/MPJ)	
E11a	6397	7-10	1605	Sun	235/37 07960 81538 86066 ... 49542 76828 64562 (message repeated) Out. No "Attention"	USB	(AB/MPJ)	
E11a	13873	7-10	1650	Sun	925/40 56155 36742 66063 ... 37956 42100 39640 (message repeated) Out. No "Attention"	USB	(AB/MPJ)	
E11a	13470	7-10	1745	Sun	244/32 37690 04036 38984 ... 83325 57650 68842 (message repeated) Out. No "Attention"	USB	(AB/MPJ)	
E11a	8186	7-10	2005	Sun	369/39 08884 06181 95182 ... 20538 16035 84503 (message repeated) Out. No "Attention"	USB	(AB)	
E11a	12153	8-10	0640	Mon	948/22 78249 70894 23325 ... 99696 66431 05184 (message repeated) Out. No "Attention"	USB	(AB)	
E11a	7317	8-10	1045	Mon	691/25 Attention 36563 22149 83660 ... 28390 89370 52583 Attention (message repeated) Out	USB	(AB)	

E11a	20286	8-10	1225	Mon	521/32 24872 59341 84982 ... 70141 38540 11279 (message repeated) Out. No "Attention"	USB	(AB-GRC/MPJ-GRC)
E11a	10800	9-10	1645	Tue	337/38 50902 36971 93657 ... 13090 88544 86124 (message repeated) Out. No "Attention"	USB	(AB/GHn)
E11a	10620	9-10	1925	Tue	556/40 69248 11181 20049 ... 32722 79197 26345 (message repeated) Out. No "Attention"	USB	(AB)
E11a	7317	10-10	1045	Wed	691/25 Attention 36563 22149 83660 ... 28390 89370 52583 Attention (message repeated) Out	USB	(AB)
E11a	10800	11-10	1645	Thu	335/31 Attention 70090 88900 92418 ... 34966 38738 54050 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	10620	11-10	1925	Thu	556/40 69248 11181 20049 ... 32722 79197 26345 (message repeated) Out. No "Attention"	USB	(AB)
E11a	20286	12-10	1225	Fri	521/32 24872 59341 84982 ... 70141 38540 11279 (message repeated) Out. No "Attention"	USB	(AB-AUT)
E11a	8186	13-10	2005	Sat	360/40 58859 82705 89661 ... 15201 35334 41553 (message repeated) Out. No "Attention"	USB	(AB)
E11a	8186	14-10	2005	Sun	360/40 58859 82705 89661 ... 15201 35334 41553 (message repeated) Out. No "Attention"	USB	(AB)
E11a	13470	15-10	0600	Mon	182/25 Attention 15397 64698 47745 ... 19547 76686 01004 Attention (message repeated) Out	USB	(AB)
E11a	10448	17-10	1625	Wed	972/31 70797 20625 46562 ... 38539 82584 79780 (message repeated) Out. No "Attention"	USB	(AB)
E11a	10246	18-10	0845	Thu	157/35 Attention 27747 61325 10167 ... 68749 19533 28487 Attention (message repeated) Out	USB	(AB)
E11a	13470	19-10	0600	Fri	182/25 Attention 15397 64698 47745 ... 19547 76686 01004 Attention (message repeated) Out	USB	(AB)
E11a	9200	21-10	0805	Sun	313/40 Attention 83627 21223 64680 ... 34460 18912 25794 Attention (message repeated) Out	USB	(Avare)
E11a	13046	23-10	1345	Tue	910/35 90527 12870 59727 ... 38188 36937 69430 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	6397	23-10	1605	Tue	231/36 14378 74638 43056 ... 72022 24258 88517 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	6807	24-10	0930	Wed	278/38 34655 19380 79965 ... 31923 23317 26635 (message repeated) Out. No "Attention"	USB	(AB)
E11a	5371	25-10	0820	Thu	430/38 30385 02795 44030 ... 78907 91153 30614 (message repeated) Out. No "Attention"	USB	(AB)
E11a	6807	25-10	0930	Thu	278/38 34655 19380 79965 ... 31923 23317 26635 (message repeated) Out. No "Attention"	USB	(AB)
E11a	8530	26-10	1910	Fri	610/37 32795 16650 72261 ... 60024 65129 21858 (message repeated) Out. No "Attention"	USB	(AB)

E11a	8102	27-10	0710	Sat	496/38 17736 73983 09433 ... 49150 19412 37607 (message repeated) Out. No "Attention"	USB	(AB)
E11a	13046	27-10	1345	Sat	910/35 90527 12870 59727 ... 38188 36937 69430 (message repeated) Out. No "Attention"	USB	(AB)
E11a	8102	28-10	0710	Sun	496/38 17736 73983 09433 ... 49150 19412 37607 (message repeated) Out. No "Attention"	USB	(AB)
E11a	6397	28-10	1605	Sun	231/36 14378 74638 43056 ... 72022 24258 88517 (message repeated) Out. No "Attention"	USB	(AB)
E11a	7727	30-10	1205	Tue	466/35 16105 07534 41087 ... 85838 49685 72966 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	7727	31-10	1205	Wed	466/35 16105 07534 41087 ... 85838 49685 72966 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E17z	14260	4-10	0800	Thu	674 832 5 83208 37829 47458 42867 39654 832 5 00000	USB	(AB-QAT)
E17z	12930	4-10	0810	Thu	674 832 5 83208 37829 47458 42867 39654 832 5 00000	USB	(AB-G)
E17z	14260	11-10	0800	Thu	674 832 5 83208 37829 47458 42867 39654 832 5 00000	USB	(AB-G)
E17z	12930	11-10	0810	Thu	674 832 5 83208 37829 47458 42867 39654 832 5 00000	USB	(AB-G)
E17z	14260	18-10	0800	Thu	674 810 5 52401 63919 93699 14600 74248 810 5 00000	USB	(AB)
E17z	12930	18-10	0810	Thu	674 810 5 52401 63919 93699 14600 74248 810 5 00000	USB	(AB)
E17z	14260	25-10	0800	Thu	674 810 5 52401 63919 93699 14600 74248 810 5 00000	USB	(AB-AUT)
E17z	12930	25-10	0810	Thu	674 810 5 52401 63919 93699 14600 74248 810 5 00000	USB	(AB)
EGY	16334.7	2-10	1450	Tue	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
EGY	11034.7	13-10	0820	Sat	Egyptian diplo. Long message i.p.	SITOR-A 100/170	(AB)
EGY	9147.7	15-10	1152	Mon	MFA Cairo clg OVVC: Egyptian embassy Baghdad	SITOR-A 100/170	(AB)
F01	14434	1-10	0025	Mon	Russian diplo/intel. Header: 11177 00117 35773 26044 02049	FSK 200/500	(Danix-USA)
F01	11439	1-10	0035	Mon	Russian diplo/intel. Header: 11177 00117 35773 26044 02049	FSK 200/500	(Danix-USA)
F01	14434	1-10	0125	Mon	Russian diplo/intel. Header: 11177 00117 35773 26044 02049	FSK 200/500	(Danix-USA)
F01	11439	1-10	0135	Mon	Russian diplo/intel. Header: 11177 00117 35773 26044 02049	FSK 200/500	(Danix-USA)
F01	11136	3-10	1830	Wed	Russian diplo/intel. Oes0: 464646464646464646	FSK 200/500	(AB)
F01	11136	3-10	1840	Wed	Russian diplo/intel.)576 100000+++++++162	FSK 200/500	(AB/MPJ/RL)
F01	9074	3-10	1850	Wed	Russian diplo/intel.)576 100000+++++++162	FSK 200/500	(AB/MPJ)
F01	7723	3-10	1900	Wed	Russian diplo/intel.)576 100000+++++++162	FSK 200/500	(AB/MPJ)
F01	20966	5-10	2230	Fri	Russian diplo/intel. Header: 11177 00116 54846 05044 01259	FSK 200/500	(Danix-USA)
F01	18954	5-10	2240	Fri	Russian diplo/intel. Header: 11177 00116 54846 05044 01259	FSK 200/500	(Danix-USA)
F01	20966	5-10	2330	Fri	Russian diplo/intel. Header: 11177 00116 54846 05044 01259	FSK 200/500	(Danix-USA)
F01	18954	5-10	2340	Fri	Russian diplo/intel. Header: 11177 00116 54846 05044 01259	FSK 200/500	(Danix-USA)
F01	14434	8-10	0025	Mon	Russian diplo/intel. Header: 11177 00117 83473 08045 01449	FSK 200/500	(Danix-USA)
F01	11439	8-10	0035	Mon	Russian diplo/intel. Header: 11177 00117 83473 08045 01449	FSK 200/500	(Danix-USA)
F01	14434	8-10	0125	Mon	Russian diplo/intel. Header: 11177 00117 83473 08045 01449	FSK 200/500	(Danix-USA)
F01	11439	8-10	0135	Mon	Russian diplo/intel. Header: 11177 00117 83473 08045 01449	FSK 200/500	(Danix-USA)
F01	13453	8-10	0740	Mon	Russian diplo/intel. 80304 42512 70490 ... 53193 18174 12041 00000	FSK 200/500	(Danix)

F01	16263	8-10	0750	Mon	Russian diplo/intel. 80304 42512 70490 ... 53193 18174 12041 00000	FSK 200/500	(Danix)
F01	18562	11-10	2240	Thu	Russian diplo/intel. Two messages sent as one. Header: 11166 00127 83574 11001 01379	FSK 200/500	(Danix-USA)
F01	17446	11-10	2250	Thu	Russian diplo/intel. Two messages sent as one. Header: 11166 00127 83574 11001 01379	FSK 200/500	(Danix-USA)
F01	14968	11-10	2300	Thu	Russian diplo/intel. Two messages sent as one. Header: 11166 00127 83574 11001 01379	FSK 200/500	(Danix-USA)
F01	20966	12-10	2230	Fri	Russian diplo/intel. Header: 11177 00116 79042 11045 01369	FSK 200/500	(Danix-USA)
F01	18562	12-10	2240	Fri	Russian diplo/intel. Header: 11177 00127 83574 11001 01279	FSK 200/500	(Danix-USA)
F01	17446	12-10	2250	Fri	Russian diplo/intel. Header: 11177 00127 83574 11001 01279	FSK 200/500	(Danix-USA)
F01	14968	12-10	2300	Fri	Russian diplo/intel. Header: 11177 00127 83574 11001 01279	FSK 200/500	(Danix-USA)
F01	20966	12-10	2330	Fri	Russian diplo/intel. Header: 11177 00116 79042 11045 01369	FSK 200/500	(Danix-USA)
F01	18954	12-10	2340	Fri	Russian diplo/intel. Header: 11177 00116 79042 11045 01369	FSK 200/500	(Danix-USA)
F01	14434	15-10	0025	Mon	Russian diplo/intel. Header: 11177 00117 59312 11046 01539	FSK 200/500	(Danix-USA)
F01	11439	15-10	0035	Mon	Russian diplo/intel. Header: 11177 00117 59312 11046 01539	FSK 200/500	(Danix-USA)
F01	14434	15-10	0125	Mon	Russian diplo/intel. Header: 11177 00117 59312 11046 01539	FSK 200/500	(Danix-USA)
F01	11439	15-10	0135	Mon	Russian diplo/intel. Header: 11177 00117 59312 11046 01539	FSK 200/500	(Danix-USA)
F03a	7377	1-10	1030	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7377	1-10	1035	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7798	1-10	1830	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7798	1-10	1835	Mon	Polish intel.	FSK 100/200	(AB)
F03a	11486	2-10	0835	Tue	Polish intel.	FSK 100/200	(AB)
F03a	11486	2-10	0840	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7840	2-10	1800	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7840	2-10	1805	Tue	Polish intel.	FSK 100/200	(AB)
F03a	11486	4-10	0835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	11486	4-10	0840	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7840	4-10	1800	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7840	4-10	1805	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7798	4-10	1830	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7798	4-10	1835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	10728	5-10	0945	Fri	Polish intel.	FSK 100/200	(AB)
F03a	10728	5-10	0950	Fri	Polish intel.	FSK 100/200	(AB)
F03a	7377	8-10	1030	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7377	8-10	1035	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7798	8-10	1830	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7798	8-10	1835	Mon	Polish intel.	FSK 100/200	(AB)
F03a	11486	9-10	0835	Tue	Polish intel.	FSK 100/200	(AB)
F03a	11486	9-10	0840	Tue	Polish intel.	FSK 100/200	(AB)
F03a	10728	9-10	0945	Tue	Polish intel.	FSK 100/200	(AB)

F03a	10728	9-10	0950	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7840	9-10	1800	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7840	9-10	1805	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7377	10-10	1030	Wed	Polish intel.	FSK 100/200	(AB)
F03a	7377	10-10	1035	Wed	Polish intel.	FSK 100/200	(AB)
F03a	11486	11-10	0835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	11486	11-10	0840	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7840	11-10	1800	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7840	11-10	1805	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7798	11-10	1830	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7798	11-10	1835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	10728	12-10	0945	Fri	Polish intel.	FSK 100/200	(AB)
F03a	10728	12-10	0950	Fri	Polish intel.	FSK 100/200	(AB)
F03a	7377	15-10	1030	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7377	15-10	1035	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7798	15-10	1830	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7798	15-10	1835	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7377	17-10	1030	Wed	Polish intel.	FSK 100/200	(AB)
F03a	7377	17-10	1035	Wed	Polish intel.	FSK 100/200	(AB)
F03a	11486	18-10	0835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	11486	18-10	0840	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7840	18-10	1800	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7840	18-10	1805	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7798	18-10	1830	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7798	18-10	1835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7798	22-10	1830	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7798	22-10	1835	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7840	23-10	1800	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7840	23-10	1805	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7377	24-10	1030	Wed	Polish intel.	FSK 100/200	(AB)
F03a	7377	24-10	1035	Wed	Polish intel.	FSK 100/200	(AB)
F03a	11486	25-10	0835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	11486	25-10	0840	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7840	25-10	1800	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7840	25-10	1805	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7798	25-10	1830	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7798	25-10	1835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	10728	26-10	0945	Fri	Polish intel.	FSK 100/200	(AB)
F03a	10728	26-10	0950	Fri	Polish intel.	FSK 100/200	(AB)
F03a	7377	29-10	1030	Mon	Polish intel.	FSK 100/200	(AB)

F03a	7377	29-10	1035	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7798	29-10	1830	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7798	29-10	1835	Mon	Polish intel.	FSK 100/200	(AB)
F03a	11486	30-10	0835	Tue	Polish intel.	FSK 100/200	(AB)
F03a	11486	30-10	0840	Tue	Polish intel.	FSK 100/200	(AB)
F03a	10728	30-10	0945	Tue	Polish intel.	FSK 100/200	(AB)
F03a	10728	30-10	0950	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7840	30-10	1800	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7840	30-10	1805	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7377	31-10	1030	Wed	Polish intel.	FSK 100/200	(AB)
F03a	7377	31-10	1035	Wed	Polish intel.	FSK 100/200	(AB)
F03b	7727	3-10	0915	Wed	Polish intel.	FSK 200/400	(AB)
F03b	7727	3-10	0920	Wed	Polish intel.	FSK 200/400	(AB)
F03b	7727	4-10	0915	Thu	Polish intel.	FSK 200/400	(AB)
F03b	7727	4-10	0920	Thu	Polish intel.	FSK 200/400	(AB)
F03b	7727	10-10	0915	Wed	Polish intel.	FSK 200/400	(AB)
F03b	7727	10-10	0920	Wed	Polish intel.	FSK 200/400	(AB)
F03b	7727	11-10	0915	Thu	Polish intel.	FSK 200/400	(AB)
F03b	7727	11-10	0920	Thu	Polish intel.	FSK 200/400	(AB)
F03b	7727	17-10	0915	Wed	Polish intel.	FSK 200/400	(AB)
F03b	7727	17-10	0920	Wed	Polish intel.	FSK 200/400	(AB)
F03b	7727	18-10	0915	Thu	Polish intel.	FSK 200/400	(AB)
F03b	7727	18-10	0920	Thu	Polish intel.	FSK 200/400	(AB)
F03b	7727	24-10	0915	Wed	Polish intel.	FSK 200/400	(AB)
F03b	7727	24-10	0920	Wed	Polish intel.	FSK 200/400	(AB)
F03b	7727	25-10	0915	Thu	Polish intel.	FSK 200/400	(AB)
F03b	7727	25-10	0920	Thu	Polish intel.	FSK 200/400	(AB)
F03b	7727	31-10	0915	Wed	Polish intel.	FSK 200/400	(AB)
F03b	7727	31-10	0920	Wed	Polish intel.	FSK 200/400	(AB)
F06	9354	1-10	0400	Mon	Russian diplo/intel. 11166 70059 14279 01020 00049 00000 00000 00000 00000	FSK 200/1000	(Danix)
F06	7956	1-10	0410	Mon	Russian diplo/intel. 11166 70059 14279 01020 00049 00000 00000 00000 00000	FSK 200/1000	(Danix)
F06	6774	1-10	0420	Mon	Russian diplo/intel. 11166 70059 14279 01020 00049 00000 00000 00000 00000	FSK 200/1000	(Danix)
F06	12215	2-10	1650	Tue	Russian diplo/intel. 11166 10053 15961 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10814	2-10	1700	Tue	Russian diplo/intel. 11166 10053 15961 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9046	2-10	1710	Tue	Russian diplo/intel. 11166 10053 15961 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17548	3-10	0610	Wed	Russian diplo/intel. Header: 11166 40122 35784 29095 03429	FSK 200/1000	(AB-KOR)
F06	15779	3-10	0620	Wed	Russian diplo/intel. Header: 11166 40122 35784 29095 03429	FSK 200/1000	(AB-KOR)
F06	19448	3-10	0800	Wed	Russian diplo/intel. 11166 70048 46813 03062 00049 00000 00000 00000 00000	FSK 200/1000	(AB-QAT)
F06	17503	3-10	0810	Wed	Russian diplo/intel. 11166 70048 46813 03062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15619	3-10	0820	Wed	Russian diplo/intel. 11166 70048 46813 03062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	17548	4-10	0610	Thu	Russian diplo/intel. Header: 11166 40122 35784 29095 03429	FSK 200/1000	(AB-J)
F06	19268	4-10	0610	Thu	Russian diplo/intel. Header: 11166 40122 35784 29095 03429	FSK 200/1000	(AB-J)
F06	15779	4-10	0620	Thu	Russian diplo/intel. Header: 11166 40122 35784 29095 03429	FSK 200/1000	(AB-J)
F06	15607	4-10	1330	Thu	Russian diplo/intel. 11166 80214 23568 04035 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13376	4-10	1340	Thu	Russian diplo/intel. 11166 80214 23568 04035 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11108	4-10	1350	Thu	Russian diplo/intel. 11166 80214 23568 04035 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17549	6-10	1100	Sat	Russian diplo/intel. Header: 11166 50046 39571 05057 00869	FSK 200/1000	(Danix)
F06	15616	6-10	1110	Sat	Russian diplo/intel. Header: 11166 50046 39571 05057 00869	FSK 200/1000	(Danix)
F06	13529	6-10	1120	Sat	Russian diplo/intel. Header: 11166 50046 39571 05057 00869	FSK 200/1000	(Danix)
F06	22963	6-10	1500	Sat	Russian diplo/intel. 11166 40133 31254 06001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix-RUS/MPJ)
F06	20461	6-10	1510	Sat	Russian diplo/intel. 11166 40133 31254 06001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix-RUS/MPJ)
F06	18356	6-10	1520	Sat	Russian diplo/intel. 11166 40133 31254 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix-RUS/MPJ/RL)
F06	17549	7-10	1100	Sun	Russian diplo/intel. Header: 11166 50046 39571 05057 00869	FSK 200/1000	(AB)
F06	15616	7-10	1110	Sun	Russian diplo/intel. Header: 11166 50046 39571 05057 00869	FSK 200/1000	(AB)
F06	13529	7-10	1120	Sun	Russian diplo/intel. Header: 11166 50046 39571 05057 00869	FSK 200/1000	(AB)
F06	12189	7-10	1530	Sun	Russian diplo/intel. 11166 10053 12478 07064 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/Danix)
F06	10734	7-10	1540	Sun	Russian diplo/intel. 11166 10053 12478 07064 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/Danix)
F06	9129	7-10	1550	Sun	Russian diplo/intel. 11166 10053 12478 07064 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/Danix)
F06	8175	9-10	0030	Tue	Russia diplo/intel. 11166 60070 47321 09074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6791	9-10	0040	Tue	Russia diplo/intel. 11166 60070 47321 09074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5748	9-10	0050	Tue	Russia diplo/intel. 11166 60070 47321 09074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12215	9-10	1650	Tue	Russian diplo/intel. 11166 10053 79513 09012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10814	9-10	1700	Tue	Russian diplo/intel. 11166 10053 79513 09012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9046	9-10	1710	Tue	Russian diplo/intel. 11166 10053 79513 09012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19268	10-10	0600	Wed	Russian diplo/intel. Owo messages. Headers: 11166 40122 75398 06096 03029 and 11166 40122 96148 06097 02829	FSK 200/1000	(AB-NZL)
F06	17548	10-10	0610	Wed	Russian diplo/intel. Owo messages. Headers: 11166 40122 75398 06096 03029 and 11166 40122 96148 06097 02829	FSK 200/1000	(AB-NZL)
F06	15779	10-10	0620	Wed	Russian diplo/intel. Owo messages. Headers: 11166 40122 75398 06096 03029 and 11166 40122 96148 06097 02829	FSK 200/1000	(AB-KOR)
F06	19448	10-10	0800	Wed	Russian diplo/intel. 11166 70048 45982 10093 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	19986	10-10	0800	Wed	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(Danix)
F06	17503	10-10	0810	Wed	Russian diplo/intel. 11166 70048 45982 10093 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17549	10-10	0810	Wed	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-AUT/Danix)
F06	15619	10-10	0820	Wed	Russian diplo/intel. 11166 70048 45982 10093 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15654	10-10	0820	Wed	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-AUT/Danix)
F06	19476	10-10	0915	Wed	Russian diplo/intel. 11166 10031 31254 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	17458	10-10	0925	Wed	Russian diplo/intel. 11166 10031 31254 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15884	10-10	0935	Wed	Russian diplo/intel. 11166 10031 31254 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17548	11-10	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 75398 06096 03029 and	FSK 200/1000	(AB-KOR)

					11166 40122 96148 06097 02829		
F06	19268	11-10	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 75398 06096 03029 and 11166 40122 96148 06097 02829	FSK 200/1000	(AB-KOR)
F06	15779	11-10	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 75398 06096 03029 and 11166 40122 96148 06097 02829	FSK 200/1000	(AB-KOR)
F06	19986	11-10	0800	Thu	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-GRC)
F06	17549	11-10	0810	Thu	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-GRC)
F06	15654	11-10	0820	Thu	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-GRC)
F06	15607	11-10	1330	Thu	Russian diplo/intel. 11166 80214 60284 11068 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ)
F06	13376	11-10	1340	Thu	Russian diplo/intel. 11166 80214 60284 11068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11108	11-10	1350	Thu	Russian diplo/intel. 11166 80214 60284 11068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14556	13-10	0800	Sat	Russian diplo/intel. Header: 11166 70147 38401 12091 00929	FSK 200/1000	(AB)
F06	12229	13-10	0810	Sat	Russian diplo/intel. Header: 11166 70147 38401 12091 00929	FSK 200/1000	(AB)
F06	10326	13-10	0820	Sat	Russian diplo/intel. Header: 11166 70147 38401 12091 00929	FSK 200/1000	(AB)
F06	18919	13-10	0900	Sat	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB-GRC)
F06	16268	13-10	0910	Sat	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB)
F06	14486	13-10	0920	Sat	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB)
F06	17549	13-10	1100	Sat	Russian diplo/intel. Header: 11166 50046 68912 12058 01909	FSK 200/1000	(AB/MPJ)
F06	15616	13-10	1110	Sat	Russian diplo/intel. Header: 11166 50046 68912 12058 01909	FSK 200/1000	(AB/MPJ)
F06	13529	13-10	1120	Sat	Russian diplo/intel. Header: 11166 50046 68912 12058 01909	FSK 200/1000	(AB/MPJ)
F06	22963	13-10	1500	Sat	Russian diplo/intel. 11166 40133 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-GRC/MPJ)
F06	20461	13-10	1510	Sat	Russian diplo/intel. 11166 40133 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-GRC/RL/MPJ)
F06	18356	13-10	1520	Sat	Russian diplo/intel. 11166 40133 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL/MPJ)
F06	14556	14-10	0800	Sun	Russian diplo/intel. Header: 11166 70147 38401 12091 00929	FSK 200/1000	(AB)
F06	12229	14-10	0810	Sun	Russian diplo/intel. Header: 11166 70147 38401 12091 00929	FSK 200/1000	(AB)
F06	10326	14-10	0820	Sun	Russian diplo/intel. Header: 11166 70147 38401 12091 00929	FSK 200/1000	(AB)
F06	18919	14-10	0900	Sun	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB-GRC)
F06	16268	14-10	0910	Sun	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB)
F06	14486	14-10	0920	Sun	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB)
F06	17549	14-10	1100	Sun	Russian diplo/intel. Header: 11166 50046 68912 12058 01909	FSK 200/1000	(AB/MPJ)
F06	15616	14-10	1110	Sun	Russian diplo/intel. Header: 11166 50046 68912 12058 01909	FSK 200/1000	(AB/MPJ)
F06	13529	14-10	1120	Sun	Russian diplo/intel. Header: 11166 50046 68912 12058 01909	FSK 200/1000	(AB/MPJ)
F06	12189	14-10	1530	Sun	Russian diplo/intel. 11166 10053 56248 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	10734	14-10	1540	Sun	Russian diplo/intel. 11166 10053 56248 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	9129	14-10	1550	Sun	Russian diplo/intel. 11166 10053 56248 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	9354	15-10	0400	Mon	Russian diplo/intel. 11166 70059 31254 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	7956	15-10	0410	Mon	Russian diplo/intel. 11166 70059 31254 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	6774	15-10	0420	Mon	Russian diplo/intel. 11166 70059 31254 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	8175	16-10	0030	Tue	Russia diplo/intel. 11166 60070 24680 16074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6791	16-10	0040	Tue	Russia diplo/intel. 11166 60070 24680 16074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	5748	16-10	0050	Tue	Russian diplo/intel. 11166 60070 24680 16074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12215	16-10	1650	Tue	Russian diplo/intel. 11166 10053 14279 16068 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	10814	16-10	1700	Tue	Russian diplo/intel. 11166 10053 14279 16068 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	9046	16-10	1710	Tue	Russian diplo/intel. 11166 10053 14279 16068 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	19268	17-10	0600	Wed	Russian diplo/intel. 11166 40122 12586 17031 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	17548	17-10	0610	Wed	Russian diplo/intel. 11166 40122 12586 17031 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	15779	17-10	0620	Wed	Russian diplo/intel. 11166 40122 12586 17031 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	19448	17-10	0800	Wed	Russian diplo/intel. 11166 70048 45982 17057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17503	17-10	0810	Wed	Russian diplo/intel. 11166 70048 45982 17057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15619	17-10	0820	Wed	Russian diplo/intel. 11166 70048 45982 17057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15607	18-10	1330	Thu	Russian diplo/intel. 11166 80214 36951 18050 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13376	18-10	1340	Thu	Russian diplo/intel. 11166 80214 36951 18050 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11108	18-10	1350	Thu	Russian diplo/intel. 11166 80214 36951 18050 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17549	20-10	1100	Sat	Russian diplo/intel. 11166 50046 23105 19059 00809 ... 15494 56493 07678 00000 00000	FSK/200/1000	(MPJ)
F06	15616	20-10	1110	Sat	Russian diplo/intel. 11166 50046 23105 19059 00809 ... 15494 56493 07678 00000 00000	FSK/200/1000	(MPJ)
F06	13529	20-10	1120	Sat	Russian diplo/intel. 11166 50046 23105 19059 00809 ... 15494 56493 07678 00000 00000	FSK/200/1000	(MPJ)
F06	22963	20-10	1500	Sat	Russian diplo/intel. 11166 40133 14279 20038 00049 00000 00000 00000 00000	FSK/200/1000	(MPJ)
F06	20461	20-10	1510	Sat	Russian diplo/intel. 11166 40133 14279 20038 00049 00000 00000 00000 00000	FSK/200/1000	(MPJ)
F06	18356	20-10	1520	Sat	Russian diplo/intel. 11166 40133 14279 20038 00049 00000 00000 00000 00000	FSK/200/1000	(MPJ)
F06	17549	21-10	1100	Sun	Russian diplo/intel. 11166 50046 23105 19059 00809 ... 15494 56493 07678 00000 00000	FSK/200/1000	(MPJ)
F06	15616	21-10	1110	Sun	Russian diplo/intel. 11166 50046 23105 19059 00809 ... 15494 56493 07678 00000 00000	FSK/200/1000	(MPJ)
F06	13529	21-10	1120	Sun	Russian diplo/intel. 11166 50046 23105 19059 00809 ... 15494 56493 07678 00000 00000	FSK/200/1000	(MPJ)
F06	12189	21-10	1500	Sun	Russian diplo/intel. 11166 10053 13579 21001 00049 00000 00000 00000 00000	FSK/200/1000	(MPJ)
F06	10734	21-10	1510	Sun	Russian diplo/intel. 11166 10053 13579 21001 00049 00000 00000 00000 00000	FSK/200/1000	(MPJ)
F06	9129	21-10	1520	Sun	Russian diplo/intel. 11166 10053 13579 21001 00049 00000 00000 00000 00000	FSK/200/1000	(MPJ)
F06	8175	23-10	0030	Tue	Russia diplo/intel. 11166 60070 56248 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6791	23-10	0040	Tue	Russia diplo/intel. 11166 60070 56248 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5748	23-10	0050	Tue	Russia diplo/intel. 11166 60070 56248 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12215	23-10	1650	Tue	Russian diplo/intel. 11166 10053 15478 23068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10814	23-10	1700	Tue	Russian diplo/intel. 11166 10053 15478 23068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9046	23-10	1710	Tue	Russian diplo/intel. 11166 10053 15478 23068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19268	24-10	0600	Wed	Russian diplo/intel. Header: 11166 40122 64382 20098 04179	FSK 200/1000	(AB-J)
F06	17548	24-10	0610	Wed	Russian diplo/intel. Header: 11166 40122 64382 20098 04179	FSK 200/1000	(AB-J)
F06	15779	24-10	0620	Wed	Russian diplo/intel. Header: 11166 40122 64382 20098 04179	FSK 200/1000	(AB-J)

F06	19448	24-10	0800	Wed	Russian diplo/intel. 11166 70048 59843 24061 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19986	24-10	0800	Wed	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-AUT)
F06	17503	24-10	0810	Wed	Russian diplo/intel. 11166 70048 59843 24061 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17549	24-10	0810	Wed	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-AUT)
F06	15619	24-10	0820	Wed	Russian diplo/intel. 11166 70048 59843 24061 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15654	24-10	0820	Wed	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-AUT)
F06	19268	25-10	0600	Thu	Russian diplo/intel. Header: 11166 40122 64382 20098 04179	FSK 200/1000	(AB-J)
F06	17548	25-10	0610	Thu	Russian diplo/intel. Header: 11166 40122 64382 20098 04179	FSK 200/1000	(AB-J)
F06	15779	25-10	0620	Thu	Russian diplo/intel. Header: 11166 40122 64382 20098 04179	FSK 200/1000	(AB-KOR)
F06	19986	25-10	0800	Thu	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-AUT)
F06	17549	25-10	0810	Thu	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-AUT)
F06	15654	25-10	0820	Thu	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB-AUT)
F06	15607	25-10	1330	Thu	Russian diplo/intel. 11166 80214 60284 25069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-ROU)
F06	13376	25-10	1340	Thu	Russian diplo/intel. 11166 80214 60284 25069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11108	25-10	1350	Thu	Russian diplo/intel. 11166 80214 60284 25069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14556	27-10	0750	Sat	Russian diplo/intel. Test: 46464646464646464646	FSK 200/1000	(AB)
F06	14556	27-10	0800	Sat	Russian diplo/intel. Header: 11166 70147 34691 26092 00809	FSK 200/1000	(AB)
F06	12229	27-10	0810	Sat	Russian diplo/intel. Header: 11166 70147 34691 26092 00809	FSK 200/1000	(AB)
F06	10326	27-10	0820	Sat	Russian diplo/intel. Header: 11166 70147 34691 26092 00809	FSK 200/1000	(AB)
F06	18919	27-10	0850	Sat	Russian diplo/intel. Test: 46464646464646464646464646464646	FSK 200/1000	(AB)
F06	18919	27-10	0900	Sat	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB)
F06	16268	27-10	0910	Sat	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB)
F06	14486	27-10	0920	Sat	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB)
F06	17549	27-10	1050	Sat	Russian diplo/intel. Test: 464646464646464646464646	FSK 200/1000	(AB)
F06	17549	27-10	1100	Sat	Russian diplo/intel. Header: 11166 50046 74913 26060 00609	FSK 200/1000	(AB)
F06	15616	27-10	1110	Sat	Russian diplo/intel. Header: 11166 50046 74913 26060 00609	FSK 200/1000	(AB)
F06	13529	27-10	1120	Sat	Russian diplo/intel. Header: 11166 50046 74913 26060 00609	FSK 200/1000	(AB)
F06	14556	28-10	0800	Sun	Russian diplo/intel. Header: 11166 70147 34691 26092 00809	FSK 200/1000	(AB)
F06	12229	28-10	0810	Sun	Russian diplo/intel. Header: 11166 70147 34691 26092 00809	FSK 200/1000	(AB)
F06	10326	28-10	0820	Sun	Russian diplo/intel. Header: 11166 70147 34691 26092 00809	FSK 200/1000	(AB)
F06	18919	28-10	0900	Sun	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB)
F06	16268	28-10	0910	Sun	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB)
F06	14486	28-10	0920	Sun	Russian diplo/intel. Header: 11166 70004 19274 12012 00469	FSK 200/1000	(AB)
F06	17549	28-10	1100	Sun	Russian diplo/intel. Header: 11166 50046 74913 26060 00609	FSK 200/1000	(AB)
F06	15616	28-10	1110	Sun	Russian diplo/intel. Header: 11166 50046 74913 26060 00609	FSK 200/1000	(AB)
F06	13529	28-10	1120	Sun	Russian diplo/intel. Header: 11166 50046 74913 26060 00609	FSK 200/1000	(AB)
F06	12189	28-10	1530	Sun	Russian diplo/intel. 11166 10053 14279 28064 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10734	28-10	1540	Sun	Russian diplo/intel. 11166 10053 14279 28064 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9129	28-10	1550	Sun	Russian diplo/intel. 11166 10053 14279 28064 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8175	30-10	0030	Tue	Russia diplo/intel. 11166 60070 79513 30012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)

F06	6791	30-10	0040	Tue	Russia diplo/intel. 11166 60070 79513 30012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	5748	30-10	0050	Tue	Russia diplo/intel. 11166 60070 79513 30012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12215	30-10	1650	Tue	Russian diplo/intel. 11166 10053 52369 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10814	30-10	1700	Tue	Russian diplo/intel. 11166 10053 52369 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9046	30-10	1710	Tue	Russian diplo/intel. 11166 10053 52369 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19268	31-10	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 79532 27099 02779 and 11166 40122 64571 27001 02429	FSK 200/1000	(AB-KOR)
F06	17548	31-10	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 79532 27099 02779 and 11166 40122 64571 27001 02429	FSK 200/1000	(AB-KOR)
F06	15779	31-10	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 79532 27099 02779 and 11166 40122 64571 27001 02429	FSK 200/1000	(AB-KOR)
F06	19448	31-10	0800	Wed	Russian diplo/intel. 11166 70048 15987 31048 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17503	31-10	0810	Wed	Russian diplo/intel. 11166 70048 15987 31048 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15619	31-10	0820	Wed	Russian diplo/intel. 11166 70048 15987 31048 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F11	9339	1-10	0845	Mon	0353 88888 88888 02828 93258 91706 ... 72208 82707 78951 88888 88888 00033 00033	FSK 100/620	(AB)
F11	9339	1-10	0850	Mon	0353 88888 88888 02828 93258 91706 ... 72208 82707 78951 88888 88888 00033 00033	FSK 100/620	(AB)
F11	7670	2-10	1150	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	7670	2-10	1155	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	9339	3-10	0845	Wed	0353 88888 88888 02828 93258 91706 ... 72208 82707 78951 88888 88888 00033 00033	FSK 100/620	(AB)
F11	9339	3-10	0850	Wed	0353 88888 88888 02828 93258 91706 ... 72208 82707 78951 88888 88888 00033 00033	FSK 100/620	(AB)
F11	7670	3-10	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	7670	3-10	1155	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	9339	8-10	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	9339	8-10	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	7670	9-10	1150	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	7670	9-10	1155	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	9339	10-10	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)

F11	9339	10-10	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	7670	10-10	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	7670	10-10	1155	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	9339	15-10	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	9339	15-10	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	7670	16-10	1150	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	7670	16-10	1155	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	9339	17-10	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	9339	17-10	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	7670	17-10	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	7670	17-10	1155	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	7670	23-10	1150	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	7670	23-10	1155	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	9339	24-10	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	9339	24-10	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	7670	24-10	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	7670	24-10	1155	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	9339	29-10	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	9339	29-10	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	7670	30-10	1150	Tue	0325 88888 88888 16105 07534 41087 ... 85838 49685 72966 88888 88888 00039 00039	FSK 100/620	(AB/MPJ)

F11	7670	30-10	1155	Tue	0325 88888 88888 16105 07534 41087 ... 85838 49685 72966 88888 88888 00039 00039	FSK 100/620	(AB/MPJ)
F11	9339	31-10	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	9339	31-10	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	7670	31-10	1150	Wed	0325 88888 88888 16105 07534 41087 ... 85838 49685 72966 88888 88888 00039 00039	FSK 100/620	(AB)
F11	7670	31-10	1155	Wed	0325 88888 88888 16105 07534 41087 ... 85838 49685 72966 88888 88888 00039 00039	FSK 100/620	(AB)
G06	4645	1-10	1658	Mon	938 938 938 00000 Early start	USB	(AB/MPJ)
G06	5362	1-10	1759	Mon	938 938 938 00000 Early start	USB	(AB/MPJ)
G06	5903	3-10	1200	Wed	938 938 938 00000	USB	(AB)
G06	5903	3-10	1205	Wed	111 111 111 00000	USB	(AB)
G06	5422	3-10	1300	Wed	938 938 938 00000	USB	(AB/MPJ)
G06	4645	8-10	1659	Mon	735 735 735 00000 Early start	USB	(AB/MPJ)
G06	4645	8-10	1709	Mon	111 111 111 00000	USB	(AB)
G06	5362	8-10	1759	Mon	938 938 938 00000 Windows shut down sound	USB	(AB)
G06	5903	10-10	1200	Wed	938 938 938 00000	USB	(MPJ)
G06	5422	10-10	1300	Wed	938 938 938 00000	USB	(AB-POL/MPJ)
G06	5934	11-10	1830	Thu	579 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000	USB	(AB/MPJ)
G06	5442	12-10	1930	Fri	947 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000	USB	(AB)
G06	6810	15-10	0800	Mon	329 329 329 00000 Windows shut down sound	USB	(AB)
G06	4598	18-10	1220	Thu	111 111 111 00000 Windows sound	USB	(AB)
G06	4598	18-10	1250	Thu	111 111 111 00000 Windows sounds	USB	(AB)
G06	4598	18-10	1300	Thu	329 329 329 00000 Windows shut down sound	USB	(AB)
G06	5930	25-10	1829	Thu	579 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000	USB	(AB)
G06	5442	26-10	1929	Fri	947 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000	USB	(AB)
HM01	11430	1-10	1600	Mon	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11635	1-10	1800	Mon	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	11635	2-10	0800	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	11430	2-10	1600	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	16180	2-10	2129	Tue	Radio Habana Cuba instead of HM01	AM	(CM2/Avare)
HM01	17480	2-10	2159	Tue	Radio Habana Cuba unOil 2159z Ohen HM01: 76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM	(CM2)
HM01	11430	3-10	1600	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11435	4-10	1600	Thu	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2/BW3)
HM01	11645	4-10	1800	Thu	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(BW3)
HM01	11435	5-10	1600	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11435	6-10	1600	Sat	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)

HM01	16180	6-10	2100	Sat	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	17480	6-10	2200	Sat	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	11435	7-10	1600	Sun	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11530	7-10	1700	Sun	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	11635	7-10	1800	Sun	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	11435	8-10	1555	Mon	Windows sounds a0 1555z, 0hen a0 1600z: 76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(BW3/RR2)
HM01	11635	8-10	2100	Mon	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(BW3)
HM01	11635	9-10	0800	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	11435	9-10	1600	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	16180	9-10	2100	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	16180	9-10	2200	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept) Should be on 17480 kHz. Switches at 2205z	AM/RDFT	(RL)
HM01	17480	9-10	2205	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept) Comes from 16180 kHz	AM/RDFT	(RL)
HM01	11530	10-10	1730	Wed	i.p. 76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11635	10-10	1805	Wed	i.p. 76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(BW3)
HM01	11635	10-10	2100	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	10715	10-10	2200	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	11435	11-10	1600	Thu	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2/BW3)
HM01	9330	12-10	0700	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9065	12-10	0800	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9240	12-10	0900	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	11435	12-10	1649	Fri	i.p. 76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB-USA)
HM01	11530	12-10	1700	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB-USA/RR2)
HM01	11635	12-10	1805	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(BW3)
HM01	11435	13-10	1600	Sat	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11435	14-10	1600	Sun	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	10715	14-10	2200	Sun	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(Dan)
HM01	11435	15-10	1600	Mon	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11435	16-10	1600	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2/BW3)
HM01	11435	16-10	1700	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept) Should be on 11530 kHz	AM/RDFT	(BW3)
HM01	11530	17-10	1700	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11530	18-10	1700	Thu	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11435	19-10	1600	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11635	19-10	2058	Fri	i.p. 76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(BW3)
HM01	11435	20-10	1600	Sat	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11435	21-10	1600	Sun	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11435	22-10	1600	Mon	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2/BW3)

HM01	11635	22-10	1604	Mon	i.p. 76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(BW3)
HM01	11435	23-10	1600	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	9065	24-10	0800	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9240	24-10	0900	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9155	24-10	1000	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	11435	24-10	1600	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11435	25-10	1600	Thu	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11530	25-10	1655	Thu	Radio Habana followed by HM01 at 1700z. 76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(BW3)
HM01	9330	26-10	0700	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9065	26-10	0813	Fri	Late start. 76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9240	26-10	0900	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9155	26-10	1000	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	11435	26-10	1600	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11530	26-10	1700	Fri	76813 48131 74746 34442 58778 18481 Files: 36137681.TXT 34054813.TXT 37267474.TXT 14653444.TXT 27835877.TXT 50441848.F1C	AM/RDFT	(AB-USA)
HM01	11635	26-10	2100	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	10715	26-10	2200	Fri	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	11435	27-10	1539	Sat	Early start 76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(BW3)
HM01	11435	27-10	1600	Sat	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	9330	28-10	0700	Sun	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9065	28-10	0800	Sun	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	11435	28-10	1600	Sun	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	9330	29-10	0700	Mon	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9065	29-10	0800	Mon	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	11435	29-10	1600	Mon	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	11635	29-10	2100	Mon	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RL)
HM01	10715	29-10	2200	Mon	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(Dan)
HM01	11435	30-10	1600	Tue	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	10345	31-10	0600	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9330	31-10	0700	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	9240	31-10	0900	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(AB)
HM01	11635	31-10	1800	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(RR2)
HM01	10715	31-10	2200	Wed	76813 48131 74746 34442 58778 18481 (Repeating the message of 10 Sept)	AM/RDFT	(Dan)
M01	5475	2-10	1754	Tue	VVV	CW	(AB)
M01	5475	2-10	1759	Tue	Early start 463 465 465 30 30 = = 39132 10711 83361 ... 32504 21633 94896 = = 465 465 30 000	CW	(AB/MPJ)
M01	5020	2-10	2000	Tue	436 436 30 30 = = 07493 43832 33608 ... 78860 35171 09176 = = 436 436 30 30 000	CW	(AB)
M01	5477	4-10	1800	Thu	463 (Pause) VV 463 ... 735 734 (!) = = 30 30 55596 02385 97818 ... 94565 86093 16976 = = 734 734 = 30 30 000	CW	(MPJ)

M01	6260	6-10	1500	Sat	463 811 811 30 30 = = = = 28199 46642 47319 ... 08066 75822 39832 = = = = 811 811 30 30 000	CW	(AB/MPJ)
M01	6510	7-10	0700	Sun	463 814 814 30 30 93650 63823 70870 ... 20685 21689 34147 814 814 30 30 000	CW	(AB)
M01	5475	9-10	1800	Tue	463 675 675 30 30 = = 21588 84508 10157 ... 52229 07589 86276 = = 675 675 30 30 000	CW	(AB/MPJ)
M01	5475	11-10	1800	Thu	463 129 129 30 30 = = 57754 11879 51675 ... 24132 41536 65249 = = 129 129 30 30 000	CW	(AB/MPJ)
M01	6260	13-10	1500	Sat	463 711 711 30 30 = = 98067 16841 02465 ... 59342 40609 74684 = = 711 711 30 30 000	CW	(AB/MPJ)
M01	6510	14-10	0700	Sun	463 596 596 30 30 = = = = 35461 28766 33153 ... 09079 60336 89157 = = = 596 596 30 30 000	CW	(AB)
M01	5475	16-10	1800	Tue	463 549 549 = 30 30 05254 37715 55912 ... 83187 55784 32733 = = 30 30 000. (With errors)	CW	(MPJ)
M01	5020	16-10	2000	Tue	463 643 643 = 30 30 = = 88469 17412 92716 ... 81429 21619 60282 = 643 643 = 30 30 000 Several errors	CW	(AB)
M01	5475	18-10	1800	Thu	463 426 426 30 30 = = 22263 54206 73553 ... 08932 14261 68039 = = 426 426 30 30 000	CW	(AB/MPJ)
M01	6260	20-10	1500	Sat	463 345 345 30 30 47511 74561 21829 ... 22637 9533936633 = = 345 345 30 30 000	CW	(MPJ)
M01	5475	23-10	1800	Tue	463 137 137 30 30 = = 64350 58217 59661 ... 22773 29368 92561 = = 137 137 30 30 000	CW	(AB/MPJ)
M01	5475	25-10	1752	Thu	VVV	CW	(AB)
M01	5475	25-10	1800	Thu	463 315 315 30 30 = = 06398 97014 50470 ... 78426 44519 86770 = = 315 315 30 30 000	CW	(AB)
M01	6510	28-10	0655	Sun	VVV	CW	(AB)
M01	6510	28-10	0700	Sun	463 22. 211 = 30 30 71822 24061 31154 ... 49125 95103 40447 = = 221 221 = 30 30 000 Error in the header and first group	CW	(AB)
M01	5475	30-10	1747	Tue	VVV VVV VVV	CW	(AB)
M01	5475	30-10	1800	Tue	463 728 728 30 30 = = = = 47015 36005 17492 ... 94508 12445 15837 = = = = 728 728 30 30 000	CW	(AB/MPJ)
M01	5020	30-10	2000	Tue	463 731 731 30 30 = = 20574 18146 14142 ... 13030 50470 24819 = = 731 731 30 30 000	CW	(AB/MPJ)
M01b	3535	1-10	1810	Mon	420 291 33 = 33 = 42891 25263 66161 ... 17407 51987 61510 = = 291 33 000 //4590 kHz	MCW	(MPJ)
M01b	4590	1-10	1810	Mon	420 291 33 = 33 = 42891 25263 66161 ... 17407 51987 61510 = = 291 33 000 //3535 kHz	MCW	(MPJ)
M01b	3645	1-10	1915	Mon	771 291 33 = 33 = 42891 25263 66161 ... 17407 51987 61510 = = 291 33 000 //4455 kHz	MCW	(MPJ)
M01b	4455	1-10	1915	Mon	771 291 33 = 33 = 42891 25263 66161 ... 17407 51987 61510 = = 291 33 000 //3645 kHz	MCW	(MPJ)
M01b	3510	4-10	1832	Thu	201 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //4605 kHz	MCW	(MPJ-HOL)
M01b	4605	4-10	1832	Thu	201 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //3510 kHz	MCW	(MPJ-HOL)
M01b	3625	5-10	1902	Fri	153 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //4940 kHz	MCW	(MPJ-HOL)
M01b	4940	5-10	1902	Fri	153 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //3625 kHz	MCW	(MPJ-HOL)
M01b	4590	8-10	1810	Mon	420 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000	MCW	(MPJ)
M01b	3645	8-10	1915	Mon	771 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //4455 kHz	MCW	(MPJ)
M01b	4455	8-10	1915	Mon	771 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //3645 kHz	MCW	(MPJ)
M01b	3510	11-10	1832	Thu	201 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //4605 kHz	MCW	(MPJ-HOL)
M01b	4605	11-10	1832	Thu	201 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //3510 kHz	MCW	(MPJ-HOL)
M01b	3625	12-10	1902	Fri	153 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //4940 kHz	MCW	(MPJ-HOL)
M01b	4940	12-10	1902	Fri	153 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //3625 kHz	MCW	(MPJ-HOL)
M01b	3535	15-10	1810	Mon	420 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //4590 kHz	MCW	(MPJ-HOL)

M01b	4590	15-10	1810	Mon	420 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //3535 kHz	MCW	(MPJ-HOL)
M01b	3645	15-10	1915	Mon	771 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //4455 kHz	MCW	(MPJ-HOL)
M01b	4455	15-10	1915	Mon	771 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //3645 kHz	MCW	(MPJ-HOL)
M01b	3510	18-10	1832	Thu	201 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //4605 kHz	MCW	(MPJ-HOL)
M01b	4605	18-10	1832	Thu	201 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //3510 kHz	MCW	(MPJ-HOL)
M01b	3625	19-10	1902	Fri	153 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000	MCW	(MPJ-HOL)
M01b	3535	22-10	1810	Mon	420 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //4590 kHz	MCW	(MPJ-POL)
M01b	4590	22-10	1810	Mon	420 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //3535 kHz	MCW	(MPJ-POL)
M01b	3645	22-10	1915	Mon	771 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //4455 kHz	MCW	(MPJ-POL)
M01b	4455	22-10	1915	Mon	771 511 33 = 33 = 07321 29908 51782 ... 72065 89738 13218 = = 511 33 000 //3645 kHz	MCW	(MPJ-POL)
M01b	3535	29-10	1810	Mon	Carriers present but tone if present uncopiable //4590 kHz	MCW	(MPJ-HOL)
M01b	4590	29-10	1810	Mon	Carriers present but tone if present uncopiable //3535 kHz	MCW	(MPJ-HOL)
M08a	8096	11-10	1400	Thu	i.p. GGRGD GUGID NURAR TUNRA ... AGRRT TINRI INATU +++ UWIWN UWIWN UWIWN UWIWN UWIWN = TGDND ITIIG NWGDI ... DNDGT UWRRN RWRRW stops and off	CW	(AB-USA)
M08a	8136	12-10	2307	Fri	i.p.	CW	(CM3-USA)
M08a	8096	18-10	1400	Thu	started already i.p. TU DRRRA GUWTN NGWAU ... WATUT DDRGD WIWGU + + +	CW	(AB-USA)
M08a	8096	29-10	1406	Mon	i.p.	CW	(AB-USA)
M12	18639	1-10	1400	Mon	648 648 648 000	CW	(AB/MPJ)
M12	17439	1-10	1420	Mon	648 648 648 000	CW	(AB/MPJ)
M12	8047	1-10	1800	Mon	463 463 463 1 8717 96 8717 96 26709 21245 88974 ... 89095 20109 82004 000 000	CW	(AB/MPJ)
M12	6802	1-10	1820	Mon	463 463 463 1 8717 96 8717 96 26709 21245 88974 ... 89095 20109 82004 000 000	CW	(AB/MPJ)
M12	5788	1-10	1840	Mon	463 463 463 1 8717 96 8717 96 26709 21245 88974 ... 89095 20109 82004 000 000	CW	(AB/MPJ)
M12	14703	2-10	0100	Tue	791 791 791 000	CW	(SDX)
M12	13903	2-10	0120	Tue	791 791 791 000	CW	(SDX)
M12	12103	2-10	0140	Tue	791 791 791 000	CW	(SDX)
M12	18639	3-10	1400	Wed	648 648 648 000	CW	(AB-ES0/MPJ)
M12	17439	3-10	1420	Wed	648 648 648 000	CW	(AB-ES0/MPJ)
M12	10984	3-10	1950	Wed	930 930 930 000	CW	(AB/RL)
M12	9384	3-10	2010	Wed	930 930 930 000	CW	(AB/RL)
M12	5814	3-10	2100	Wed	826 826 826 1 2484 57 2484 57 91464 10287 56113 ... 19363 82863 78991 000 000	CW	(AB)
M12	5214	3-10	2120	Wed	826 826 826 1 2484 57 2484 57 91464 10287 56113 ... 19363 82863 78991 000 000	CW	(AB)
M12	4614	3-10	2140	Wed	826 826 826 1 2484 57 2484 57 91464 10287 56113 ... 19363 82863 78991 000 000	CW	(AB)
M12	14703	4-10	0100	Thu	791 791 791 000	CW	(SDX)
M12	13903	4-10	0120	Thu	791 791 791 000	CW	(SDX)
M12	12103	4-10	0140	Thu	791 791 791 000	CW	(SDX)
M12	14769	4-10	1010	Thu	721 721 721 1 4026 125 4026 125 90155 92477 35100 ... 50161 36086 38039 000 000	CW	(AB)
M12	16269	4-10	1030	Thu	721 721 721 1 4026 125 4026 125 90155 92477 35100 ... 50161 36086 38039 000 000	CW	(AB)
M12	18169	4-10	1050	Thu	721 721 721 1 4026 125 4026 125 90155 92477 35100 ... 50161 36086 38039 000 000	CW	(AB)
M12	14377	4-10	1700	Thu	317 317 317 1 8075 105 8075 105 23049 15722 52339 ... 91372 18190 19438 000 000	CW	(AB/MPJ)
M12	13461	4-10	1720	Thu	317 317 317 1 8075 105 8075 105 23049 15722 52339 ... 91372 18190 19438 000 000	CW	(AB/MPJ)

M12	12114	4-10	1740	Thu	317 317 317 1 8075 105 8075 105 23049 15722 52339 ... 91372 18190 19438 000 000	CW	(AB/MPJ)
M12	10343	4-10	1900	Thu	124 124 124 1 8644 119 8644 119 73866 54336 77542 ... 80817 13960 05429 000 000	CW	(AB/MPJ)
M12	9264	4-10	1920	Thu	124 124 124 1 8644 119 8644 119 73866 54336 77542 ... 80817 13960 05429 000 000	CW	(AB/MPJ)
M12	8116	4-10	1940	Thu	124 124 124 1 8644 119 8644 119 73866 54336 77542 ... 80817 13960 05429 000 000	CW	(AB)
M12	10984	5-10	1950	Fri	930 930 930 000	CW	(AB/RL)
M12	9384	5-10	2010	Fri	930 930 930 000	CW	(AB/RL)
M12	6832	6-10	0500	Sat	892 892 892 1 2484 57 2484 57 91464 10287 56113 ... 19363 82863 78991 000 000	CW	(AB)
M12	7932	6-10	0520	Sat	892 892 892 1 2484 57 2484 57 91464 10287 56113 ... 19363 82863 78991 000 000	CW	(AB)
M12	9232	6-10	0540	Sat	892 892 892 1 2484 57 2484 57 91464 10287 56113 ... 19363 82863 78991 000 000	CW	(AB)
M12	14769	7-10	1010	Sun	721 721 721 1 4026 125 4026 125 90155 92477 35100 ... 50161 36086 38039 000 000	CW	(AB/HFD)
M12	16269	7-10	1030	Sun	721 721 721 1 4026 125 4026 125 90155 92477 35100 ... 50161 36086 38039 000 000	CW	(AB/HFD)
M12	18169	7-10	1050	Sun	721 721 721 1 4026 125 4026 125 90155 92477 35100 ... 50161 36086 38039 000 000	CW	(AB/HFD)
M12	18639	8-10	1400	Mon	648 648 648 1 648 1 581 99 581 99 81685 31440 54679 ... 82014 64935 46208 000 000	CW	(AB-ROU/MPJ)
M12	17439	8-10	1420	Mon	648 648 648 1 648 1 581 99 581 99 81685 31440 54679 ... 82014 64935 46208 000 000	CW	(AB-ROU/MPJ)
M12	15839	8-10	1440	Mon	648 648 648 1 648 1 581 99 581 99 81685 31440 54679 ... 82014 64935 46208 000 000	CW	(AB-ROU/MPJ)
M12	8047	8-10	1800	Mon	463 463 463 1 701 97 8701 97 68694 20261 78883 ... 04596 86555 40293 000 000	CW	(AB/MPJ)
M12	6802	8-10	1820	Mon	463 463 463 1 701 97 8701 97 68694 20261 78883 ... 04596 86555 40293 000 000	CW	(AB/MPJ)
M12	5788	8-10	1840	Mon	463 463 463 1 701 97 8701 97 68694 20261 78883 ... 04596 86555 40293 000 000	CW	(AB/MPJ)
M12	10343	8-10	2000	Mon	124 124 124 1 9249 106 9249 106 47849 05967 84193 ... 33644 54261 04287 000 000	CW	(AB)
M12	9264	8-10	2020	Mon	124 124 124 1 9249 106 9249 106 47849 05967 84193 ... 33644 54261 04287 000 000	CW	(AB)
M12	8116	8-10	2040	Mon	124 124 124 1 9249 106 9249 106 47849 05967 84193 ... 33644 54261 04287 000 000	CW	(AB)
M12	14703	9-10	0100	Tue	791 791 791 1 message	CW	(SDX)
M12	13903	9-10	0120	Tue	791 791 791 1 message	CW	(SDX)
M12	12103	9-10	0140	Tue	791 791 791 1 message	CW	(SDX)
M12	18639	10-10	1400	Wed	648 648 648 1 581 99 581 99 81685 31440 54679 ... 82014 64935 46208 000 000	CW	(AB-G/MPJ/HFD)
M12	17439	10-10	1420	Wed	648 648 648 1 581 99 581 99 81685 31440 54679 ... 82014 64935 46208 000 000	CW	(AB-G/MPJ/HFD)
M12	15839	10-10	1440	Wed	648 648 648 1 581 99 581 99 81685 31440 54679 ... 82014 64935 46208 000 000	CW	(AB/MPJ/HFD)
M12	10984	10-10	1950	Wed	930 930 930 000	CW	(HFD)
M12	9384	10-10	2010	Wed	930 930 930 000	CW	(RL/HFD)
M12	5814	10-10	2100	Wed	826 826 826 000	CW	(AB/RL)
M12	5214	10-10	2120	Wed	826 826 826 000	CW	(AB/RL)
M12	14703	11-10	0100	Thu	791 791 791 1 message	CW	(SDX)
M12	13903	11-10	0120	Thu	791 791 791 1 message	CW	(SDX)
M12	12103	11-10	0140	Thu	791 791 791 1 message	CW	(SDX)
M12	14769	11-10	1010	Thu	721 721 721 000	CW	(AB)
M12	16269	11-10	1030	Thu	721 721 721 000	CW	(AB)
M12	14377	11-10	1700	Thu	317 1 1781 108 93115 62580 12319 ... 79968 01731 32545 000 000	CW	(MPJ)
M12	13461	11-10	1720	Thu	317 1 1781 108 93115 62580 12319 ... 79968 01731 32545 000 000	CW	(MPJ)
M12	12114	11-10	1740	Thu	317 1 1781 108 93115 62580 12319 ... 79968 01731 32545 000 000	CW	(MPJ)
M12	10343	11-10	1900	Thu	124 1 6205 114 00712 40478 12463 ... 50921 33942 01717 000 000	CW	(MPJ)

M12	9264	11-10	1920	Thu	124 1 6205 114 00712 40478 12463 ... 50921 33942 01717 000 000	CW	(MPJ)
M12	10984	12-10	1950	Fri	930 930 930 000	CW	(AB)
M12	9384	12-10	2010	Fri	930 930 930 000	CW	(AB)
M12	6832	13-10	0500	Sat	892 892 892 000	CW	(AB)
M12	7932	13-10	0520	Sat	892 892 892 000	CW	(AB)
M12	14703	14-10	0100	Sun	791 791 791 000	CW	(SDX)
M12	13903	14-10	0120	Sun	791 791 791 000	CW	(SDX)
M12	14769	14-10	1010	Sun	721 721 721 000	CW	(AB)
M12	16269	14-10	1030	Sun	721 721 721 000	CW	(AB)
M12	18639	15-10	1400	Mon	648 648 648 000	CW	(AB-AUT/MPJ)
M12	17439	15-10	1420	Mon	648 648 648 000	CW	(AB-AUT/MPJ)
M12	8047	15-10	1800	Mon	463 463 463 1 9059 96 9059 96 21370 35940 46489 ... 95137 07013 39992 000 000	CW	(AB/MPJ)
M12	6802	15-10	1820	Mon	463 463 463 1 9059 96 9059 96 21370 35940 46489 ... 95137 07013 39992 000 000	CW	(AB/MPJ)
M12	5788	15-10	1840	Mon	463 463 463 1 9059 96 9059 96 21370 35940 46489 ... 95137 07013 39992 000 000	CW	(AB/MPJ)
M12	10343	15-10	2000	Mon	124 124 124 1 4705 101 4705 101 76326 85510 87697 ... 99531 89998 25688 000 000	CW	(AB)
M12	9264	15-10	2020	Mon	124 124 124 1 4705 101 4705 101 76326 85510 87697 ... 99531 89998 25688 000 000	CW	(AB)
M12	8116	15-10	2040	Mon	124 124 124 1 4705 101 4705 101 76326 85510 87697 ... 99531 89998 25688 000 000	CW	(AB)
M12	5814	16-10	2100	Tue	826 1	CW	(HFD)
M12	5214	16-10	2120	Tue	826 1	CW	(HFD)
M12	4614	16-10	2140	Tue	826 1	CW	(HFD)
M12	18639	17-10	1400	Wed	648 648 648 000	CW	(AB-AUT/MPJ)
M12	17439	17-10	1420	Wed	648 648 648 000	CW	(AB-AUT/MPJ)
M12	10984	17-10	1950	Wed	930 930 930 000	CW	(AB)
M12	9384	17-10	2010	Wed	930 930 930 000	CW	(AB)
M12	5814	17-10	2100	Wed	826 826 826 1 4080 71 4080 71 49257 97469 02730 ... 94412 19898 79034 000 000	CW	(AB)
M12	5214	17-10	2120	Wed	826 826 826 1 4080 71 4080 71 49257 97469 02730 ... 94412 19898 79034 000 000	CW	(AB)
M12	4614	17-10	2140	Wed	826 826 826 1 4080 71 4080 71 49257 97469 02730 ... 94412 19898 79034 000 000	CW	(AB)
M12	14703	18-10	0100	Thu	791 791 791 000	CW	(SDX)
M12	13903	18-10	0120	Thu	791 791 791 000	CW	(SDX)
M12	14769	18-10	1010	Thu	721 721 721 1 412 117 412 117 65175 71173 46334 ... 46725 76145 38933 000 000	CW	(AB)
M12	16269	18-10	1030	Thu	721 721 721 1 412 117 412 117 65175 71173 46334 ... 46725 76145 38933 000 000	CW	(AB)
M12	18169	18-10	1050	Thu	721 721 721 1 412 117 412 117 65175 71173 46334 ... 46725 76145 38933 000 000	CW	(AB)
M12	14377	18-10	1700	Thu	317 317 317 1 1204 107 1204 107 64366 80750 13620 ... 24356 96136 31921 000 000	CW	(AB-GRC/MPJ)
M12	13461	18-10	1720	Thu	317 317 317 1 1204 107 1204 107 64366 80750 13620 ... 24356 96136 31921 000 000	CW	(AB-GRC/MPJ)
M12	12114	18-10	1740	Thu	317 317 317 1 1204 107 1204 107 64366 80750 13620 ... 24356 96136 31921 000 000	CW	(AB-GRC/MPJ)
M12	10343	18-10	1900	Thu	124 1 8597 119 40425 75860 72646 ... 94415 32903 15190 000 000	CW	(MPJ)
M12	9264	18-10	1920	Thu	124 1 8597 119 40425 75860 72646 ... 94415 32903 15190 000 000	CW	(MPJ)
M12	16269	21-10	1030	Sun	721 1 412 117 65175 71173 46334 ... 46725 76145 38933 000 000	CW	(MPJ)
M12	18169	21-10	1050	Sun	721 1 412 117 65175 71173 46334 ... 46725 76145 38933 000 000	CW	(MPJ)
M12	18639	22-10	1400	Mon	648 648 648 1 1450 133 1450 133 47983 16082 43994 ... 29173 20240 85777 000 000	CW	(AB-AUT/MPJ)

M12	17439	22-10	1420	Mon	648 648 648 1 1450 133 1450 133 47983 16082 43994 ... 29173 20240 85777 000 000	CW	(AB-AUT/MPJ)
M12	15839	22-10	1440	Mon	648 648 648 1 1450 133 1450 133 47983 16082 43994 ... 29173 20240 85777 000 000	CW	(AB-AUT/MPJ)
M12	8047	22-10	1800	Mon	463 463 463 1 4542 91 4542 91 41097 71518 85079 ... 34617 86716 5875 000 000	CW	(AB/MPJ)
M12	6802	22-10	1820	Mon	463 463 463 1 4542 91 4542 91 41097 71518 85079 ... 34617 86716 5875 000 000	CW	(AB/MPJ)
M12	5788	22-10	1840	Mon	463 463 463 1 4542 91 4542 91 41097 71518 85079 ... 34617 86716 5875 000 000	CW	(AB/MPJ)
M12	10343	22-10	2000	Mon	124 124 124 1 6454 107 6454 107 80095 90330 96171 ... 87070 27226 79797 000 000	CW	(AB)
M12	9264	22-10	2020	Mon	124 124 124 1 6454 107 6454 107 80095 90330 96171 ... 87070 27226 79797 000 000	CW	(AB)
M12	8116	22-10	2040	Mon	124 124 124 1 6454 107 6454 107 80095 90330 96171 ... 87070 27226 79797 000 000	CW	(AB)
M12	14703	23-10	0100	Tue	791 791 791 1 message	CW	(SDX)
M12	13903	23-10	0120	Tue	791 791 791 1 message	CW	(SDX)
M12	12103	23-10	0140	Tue	791 791 791 1 message	CW	(SDX)
M12	14416	24-10	1210	Wed	442 442 442 1 264 69 264 69 94319 50966 23691 ... 10271 05347 75624 000 000	CW	(AB)
M12	13416	24-10	1230	Wed	442 442 442 1 264 69 264 69 94319 50966 23691 ... 10271 05347 75624 000 000	CW	(AB)
M12	12216	24-10	1250	Wed	442 442 442 1 264 69 264 69 94319 50966 23691 ... 10271 05347 75624 000 000	CW	(AB)
M12	18639	24-10	1400	Wed	648 648 648 1 1450 133 1450 133 47983 16082 43994 ... 29173 20240 85777 000 000	CW	(AB-G)
M12	17439	24-10	1420	Wed	648 648 648 1 1450 133 1450 133 47983 16082 43994 ... 29173 20240 85777 000 000	CW	(AB-G)
M12	15839	24-10	1440	Wed	648 648 648 1 1450 133 1450 133 47983 16082 43994 ... 29173 20240 85777 000 000	CW	(AB-G)
M12	10984	24-10	1950	Wed	930 930 930 000	CW	(AB)
M12	9384	24-10	2010	Wed	930 930 930 000	CW	(AB)
M12	5814	24-10	2100	Wed	826 826 826 000	CW	(AB)
M12	5214	24-10	2120	Wed	826 826 826 000	CW	(AB)
M12	14703	25-10	0100	Thu	Missing	CW	(SDX)
M12	13903	25-10	0120	Thu	Missing. Test tones at 0125z. Message at 0129z: 791 791 791 1 + message	CW	(SDX)
M12	12103	25-10	0140	Thu	791 791 791 1 + message	CW	(SDX)
M12	14769	25-10	1010	Thu	721 721 721 000	CW	(AB)
M12	16269	25-10	1030	Thu	721 721 721 000	CW	(AB)
M12	10343	25-10	1900	Thu	124 124 124 1 5264 112 5264 112 99816 06452 15966 ... 36884 93089 62749 000 000	CW	(AB)
M12	9264	25-10	1920	Thu	124 124 124 1 5264 112 5264 112 99816 06452 15966 ... 36884 93089 62749 000 000	CW	(AB)
M12	8116	25-10	1940	Thu	124 124 124 1 5264 112 5264 112 99816 06452 15966 ... 36884 93089 62749 000 000	CW	(AB)
M12	14416	26-10	1210	Fri	442 442 442 1 264 69 264 69 94319 50966 23691 ... 10271 05347 75624 000 000	CW	(AB)
M12	13416	26-10	1230	Fri	442 442 442 1 264 69 264 69 94319 50966 23691 ... 10271 05347 75624 000 000	CW	(AB)
M12	12216	26-10	1250	Fri	442 442 442 1 264 69 264 69 94319 50966 23691 ... 10271 05347 75624 000 000	CW	(AB)
M12	10984	26-10	1950	Fri	930 930 930 000	CW	(AB/RL)
M12	9384	26-10	2010	Fri	930 930 930 000	CW	(AB)
M12	5794	27-10	2100	Sat	770 770 770 1 555 77 555 77 69928 79329 71672 ... 11052 59455 26523 000 000	CW	(AB)
M12	6794	27-10	2120	Sat	770 770 770 1 555 77 555 77 69928 79329 71672 ... 11052 59455 26523 000 000	CW	(AB)
M12	8094	27-10	2140	Sat	770 770 770 1 555 77 555 77 69928 79329 71672 ... 11052 59455 26523 000 000	CW	(AB)
M12	14769	28-10	1010	Sun	721 721 721 000	CW	(AB)
M12	16269	28-10	1030	Sun	721 721 721 000	CW	(AB)
M12	18639	29-10	1400	Mon	648 648 648 000	CW	(AB-AUT/MPJ)

M12	17439	29-10	1420	Mon	648 648 648 000	CW	(AB-AUT/MPJ)
M12	8047	29-10	1800	Mon	463 463 463 1 1799 98 1799 98 23511 03701 36017 ... 44859 60275 98482 000 000	CW	(AB/MPJ)
M12	6802	29-10	1820	Mon	463 463 463 1 1799 98 1799 98 23511 03701 36017 ... 44859 60275 98482 000 000	CW	(AB/MPJ)
M12	5788	29-10	1840	Mon	463 463 463 1 1799 98 1799 98 23511 03701 36017 ... 44859 60275 98482 000 000	CW	(AB/MPJ)
M12	10343	29-10	2000	Mon	124 124 124 1 4880 101 4880 101 60200 34902 46158 ... 32315 68180 88713 000 000	CW	(AB/MPJ)
M12	9264	29-10	2020	Mon	124 124 124 1 4880 101 4880 101 60200 34902 46158 ... 32315 68180 88713 000 000	CW	(AB/MPJ)
M12	8116	29-10	2040	Mon	124 124 124 1 4880 101 4880 101 60200 34902 46158 ... 32315 68180 88713 000 000	CW	(AB)
M12	8164	29-10	2110	Mon	197 197 197 000	CW	(AB/RL)
M12	6964	29-10	2130	Mon	197 197 197 000	CW	(AB)
M12	14703	30-10	0100	Tue	791 791 791 000	CW	(SDX)
M12	13903	30-10	0120	Tue	791 791 791 000	CW	(SDX)
M12	14416	31-10	1210	Wed	442 442 442 000	CW	(AB/MPJ-HOL)
M12	13416	31-10	1230	Wed	442 442 442 000	CW	(AB/MPJ)
M12	18639	31-10	1400	Wed	648 648 648 000	CW	(AB/MPJ)
M12	17439	31-10	1420	Wed	648 648 648 000	CW	(AB/MPJ)
M12	10984	31-10	1950	Wed	930 930 930 000	CW	(AB/RL/MPJ)
M12	9384	31-10	2010	Wed	930 930 930 000	CW	(AB/RL/MPJ)
M12	5814	31-10	2100	Wed	826 826 826 000	CW	(AB/RL)
M12	5214	31-10	2120	Wed	826 826 826 000	CW	(AB/RL)
M14	5740	2-10	1600	Tue	725 725 725 725 00000	MCW	(AB)
M14	5275	5-10	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	4874	5-10	2000	Fri	735 735 735 00000 switched to E06 at 2008 UTC	MCW	(AB)
M14	18041	8-10	0500	Mon	952 487 487 50 50 == 04132 70599 06308 ... 81976 56686 61368 == 487 487 50 50 00000	CW	(AB-KOR)
M14	18041	9-10	0500	Tue	952 301 301 60 60 == 36623 56810 12541 ... 72974 40824 02104 == 301 301 60 60 00000	CW	(AB-NZL)
M14	5947	9-10	1820	Tue	346 707 707 42 42 89734 67523 56423 ... 92934 65723 76534 707 707 42 42 00000	MCW	(AB/MPJ)
M14	18041	10-10	0500	Wed	952 486 486 50 50 == 88815 04456 11145 ... 78087 70296 40736 == 486 486 50 50 00000	CW	(AB-KOR)
M14	17458	10-10	0930	Wed	617 958 958 77 77 == 94050 33976 86900 ... 18862 48184 25350 == 958 958 77 77 00000	CW	(AB)
M14	5463	10-10	1929	Wed	537 707 707 42 42 89734 67523 56423 ... 92934 65723 76534 707 707 42 42 00000	MCW	(AB/MPJ)
M14	18041	11-10	0500	Thu	952 701 701 60 60 == 20941 36719 09952 ... 48658 12894 97245 == 701 701 60 60 00000	CW	(AB-KOR)
M14	15994	11-10	0930	Thu	617 958 958 77 77 == 94050 33976 86900 ... 18862 48184 25350 == 958 958 77 77 00000	CW	(AB)
M14	15994	11-10	0930	Thu	617 958 77 = 94050	CW	(HFD)
M14	18041	12-10	0500	Fri	9 then off	CW	(AB-KOR)
M14	18041	15-10	0500	Mon	952 407 407 50 50 == 21338 07611 47321 ... 26851 15134 68889 == 407 407 50 50 00000	CW	(AB-J)

M14	5740	16-10	1600	Tue	725 725 725 00000	MCW	(MPJ)
M14	18041	17-10	0500	Wed	952 764 764 50 50 == 92232 54264 81196 ... 92309 58019 14837 == 764 764 50 50 00000	CW	(AB-NZL)
M14	18041	18-10	0500	Thu	952 310 310 55 55 == 55080 34102 85454 ... 42169 87409 91597 == 310 310 55 55 00000	CW	(AB-NZL)
M14	18041	19-10	0500	Fri	952 648 648 50 50 == 77839 75308 72744 ... 58205 99869 12710 == 648 648 50 50 00000	CW	(AB-KOR)
M14	5275	19-10	1900	Fri	735 735 735 00000	MCW	(MPJ)
M14	18041	23-10	0500	Tue	952 186 186 55 55 == 89335 10816 66619 ...	CW	(AB-J)
M14	5946	23-10	1722	Tue	Test: 174 84652 75895 79484 ... 83458 59003 51518 91N off. Switches to 5938 kHz	MCW	(AB)
M14	5938	23-10	1730	Tue	Test: 829 97959 27850 29584 off	MCW	(AB)
M14	5938	23-10	1820	Tue	346 825 825 53 53 == 64532 37645 87465 ... 73546 53421 26534 == 825 825 53 53 00000	MCW	(AB/MPJ)
M14	18041	24-10	0500	Wed	952 437 437 50 50 == 49882 75357 52621 ... 71094 57186 97948 == 437 437 50 50 00000	CW	(AB-J)
M14	18041	25-10	0500	Thu	952 601 601 55 55 == 06348 59861 81918 ... 82875 19793 48794 == 601 601 55 55 00000	CW	(AB-KOR)
M14	17458	25-10	0930	Thu	617 617 617 00000	CW	(AB)
M14	18041	26-10	0500	Fri	952 483 483 50 50 == 57231 17251 21031 ... 35132 46460 39117 == 483 483 50 50 0000	CW	(AB-NZL)
M14	18041	31-10	0500	Wed	952 376 376 55 55 == 09332 99862 05015 ... 38021 67512 18077 == 376 376 55 55 00000	CW	(AB-NZL)
M21	5201	5-10	2108	Fri	=99009??0???? =990010??0???? =990011??0????	CW	(AB)
M22	9377	12-10	1340	Fri	vvv de 4XZ	CW	(w.obl)
M22	8319	22-10	0918	Mon	VVV DE 4XZ 4XZ //9377 kHz	CW	(F5JBR)
M22	9377	22-10	0918	Mon	VVV DE 4XZ 4XZ //8319 kHz	CW	(F5JBR)
M22	7352	22-10	1008	Mon	VVV DE 4XZ 4XZ //8319 //9377	CW	(F5JBR)
M32	5693	16-10	1606	Tue	TEDS DE 7ITO K R K TMKW DE 9P6P K R K AT9U DE 9P6P K AT9U DE 9P6P K R K	CW	(JPL-Sib)
M32	14411	19-10	0856	Fri	XXX XXX RDL RDL 58412 86808 TREFOBAJT 3576 0814	CW	(JU)
M32	14411	19-10	1057	Fri	XXX XXX RDL RDL 37501 30971 SKOSOTERN 4011 9164	CW	(JU)
M32b	8816	8-10	1550	Mon	rjf94 rjc38 de 47464 q0h 15517 14474 q0r 1546 qbd 0400 qbg 6100 k 2018-10-08	CW	(WP3)
M32c	8162	19-10	0600	Fri	W-markers	CW	(WP3)
M42	13427	10-10	0813	Wed	Russian diplo/intel i.p.	3000Bd PSK-8/45Bd MFSK-66	(AB)
M42	11150.5	10-10	1146	Wed	Russian diplo/intel i.p.	MFSK-66	(AB)
M42	14970	17-10	0808	Wed	Russian diplo/intel i.p.	MFSK-66	(AB)
M42	12163	24-10	0653	Wed	Russian diplo/intel i.p.	MFSK-66	(AB)
M89	4860	1-10	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	1-10	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	3238	1-10	1129	Mon	V M8JF (x3) DE RIS9 (x2) //4870 and 6874 and 8157	CW	(JPL)

M89	4870	1-10	1129	Mon	V M8JF (x3) DE RIS9 (x2) //3238 and 6874 and 8157	CW	(JPL)
M89	6874	1-10	1129	Mon	V M8JF (x3) DE RIS9 (x2) //3238 and 4870 and 8157	CW	(JPL)
M89	8157	1-10	1129	Mon	V M8JF (x3) DE RIS9 (x2) //3238 and 4870 and 6874	CW	(JPL)
M89	3238	4-10	1406	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	4-10	1406	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	5370	4-10	1410	Thu	i.p. R RPT 62W 6344 6344 K. R OK SK	CW	(JPL)
M89	3238	6-10	1440	Sat	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	6-10	1440	Sat	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	6-10	1450	Sat	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	6-10	1450	Sat	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	6840	7-10	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	7-10	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6874	7-10	1028	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
M89	4949	7-10	1034	Sun	i.p. UD75 7AD4 77D4 D4T5 74A7 TA33 ... III = N6A6 N43A AD53 3N3N 756U (Cont'd)	CW	(JPL)
M89	3238	7-10	1948	Sun	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	7-10	1948	Sun	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	7-10	1949	Sun	V QW2A (x3) DE G5VD (x2) //4904 faster and not synchronized with this round sl	CW	(JPL)
M89	4904	7-10	1949	Sun	V QW2A (x3) DE G5VD (x2) //4326 slower and not synchronized with this round sl	CW	(JPL)
M89	3238	9-10	1550	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	9-10	1550	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	9-10	1557	Tue	V QW2A (x3) DE G5VD (x2) //4904 not synchronized with this round slip	CW	(JPL)
M89	4904	9-10	1557	Tue	V QW2A (x3) DE G5VD (x2) //4326 not synchronized with this round slip	CW	(JPL)
M89	4067	9-10	1601	Tue	i.p. D744 7DT6 6T6T 54U3 3U75 7T6U (Cont'd)	CW	(JPL)
M89	6874	14-10	0755	Sun	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	14-10	0755	Sun	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	12123	14-10	0757	Sun	i.p. U6AD N347 TUAN D7NT ... AR R QSL 1601 K OK OK U SB WK K USB WK OK OK (swi	CW	(JPL)
M89	5835	14-10	0808	Sun	V QW2A (x3) DE G5VD (x2) //10589 sending at a faster speed	CW	(JPL)
M89	10589	14-10	0808	Sun	V QW2A (x3) DE G5VD (x2) //5835 sending at a slower speed	CW	(JPL)
M89	3238	14-10	0909	Sun	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	14-10	0909	Sun	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3238	15-10	1326	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	15-10	1326	Mon	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	15-10	1344	Mon	V QW2A (x3) DE G5VD (x2) //4904 not synchronized with this round slip	CW	(JPL)
M89	4904	15-10	1344	Mon	V QW2A (x3) DE G5VD (x2) //4326 not synchronized with this round slip	CW	(JPL)
M89	3238	16-10	1054	Tue	V M8JF (x3) DE RIS9 (x2) //4870 and 6874 and 8157	CW	(JPL)
M89	4870	16-10	1054	Tue	V M8JF (x3) DE RIS9 (x2) //3238 and 6874 and 8157	CW	(JPL)
M89	6874	16-10	1054	Tue	V M8JF (x3) DE RIS9 (x2) //3238 and 4870 and 8157	CW	(JPL)
M89	8157	16-10	1054	Tue	V M8JF (x3) DE RIS9 (x2) //3238 and 4870 and 6874	CW	(JPL)
M89	5835	16-10	1056	Tue	V QW2A (x3) DE G5VD (x2) //10589 sending at a slower speed	CW	(JPL)
M89	10589	16-10	1056	Tue	V QW2A (x3) DE G5VD (x2) //5835 sending at a slower speed	CW	(JPL)

M89	6840	16-10	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
M89	4326	16-10	1709	Tue	V QW2A (x3) DE G5VD (x2) //4904 not synchronized with this round slip	CW	(JPL)
M89	4904	16-10	1709	Tue	V QW2A (x3) DE G5VD (x2) //4326 not synchronized with this round slip	CW	(JPL)
M89	5835	17-10	1022	Wed	V QW2A (x3) DE G5VD (x2) //10589 sending at a slower speed	CW	(JPL)
M89	10589	17-10	1022	Wed	V QW2A (x3) DE G5VD (x2) //5835 sending at a slower speed	CW	(JPL)
M89	3238	17-10	1701	Wed	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	17-10	1701	Wed	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	6874	18-10	0923	Thu	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	18-10	0923	Tue	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	5403	18-10	0925	Thu	V CW4 (x3) DE Y2LF (x2) CR NL ERL NE DE CW4 (x3) DE Y2LF (x2) V CL CL DE DE ..	CW	(JPL)
M89	5835	18-10	0925	Thu	V QW2A (x3) DE G5VD (x2) //10589	CW	(JPL)
M89	10589	18-10	0925	Thu	V QW2A (x3) DE G5VD (x2) //5835	CW	(JPL)
M89	5185	18-10	0954	Thu	i.p. 14419 NR 0133 42 1018 18 EEE 1830 45212500 14.19 QTR ?	CW	(JPL)
M89	8084	18-10	1136	Thu	i.p. VV = HCYZ AR HR NIL GB	CW	(JPL)
M89	6874	19-10	0942	Fri	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	19-10	0942	Fri	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	5835	19-10	0944	Fri	V QW2A (x3) DE G5VD (x2) //10589	CW	(JPL)
M89	10589	19-10	0944	Fri	V QW2A (x3) DE G5VD (x2) //5835	CW	(JPL)
M89	4326	19-10	1412	Fri	V QW2A (x3) DE G5VD (x2) //4905	CW	(JPL)
M89	4905	19-10	1412	Fri	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	3238	19-10	1414	Fri	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	19-10	1414	Fri	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3348	22-10	1730	Mon	i.p. 0127 0127 K. NIL SK GB 2DDJ DE UGL3 VVV OK QSL QSL 0131 0131NIL SK	CW	(JPL)
M89	4326	22-10	1745	Mon	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	22-10	1745	Mon	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	3238	22-10	1746	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	22-10	1746	Mon	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3238	23-10	1631	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	23-10	1631	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	23-10	1642	Tue	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	23-10	1642	Tue	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4326	23-10	1643	Tue	VVV FFF VVV FFF CQ63 RMKS 9732 TO 3939/3872 UGT COMM AAES =	CW	(JPL)
M89	3848	23-10	1657	Tue	i.p. MSG NR 2017 CK 61 31 1023 0000 CQ = U... 4D75 N3TU DU7A D547 AD73 T574 AU	CW	(JPL)
M89	3238	24-10	2107	Wed	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	24-10	2107	Wed	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	24-10	2108	Wed	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	24-10	2108	Wed	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	3238	26-10	1740	Fri	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	26-10	1740	Fri	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3238	26-10	2150	Fri	V M8JF (x3) DE RIS9 (x2) //4870 an 6874 and 8157	CW	(JPL)

M89	4870	26-10	2150	Fri	V M8JF (x3) DE RIS9 (x2) //3238 an 6874 and 8157	CW	(JPL)
M89	6874	26-10	2150	Fri	V M8JF (x3) DE RIS9 (x2) //3238 an 4870 and 8157	CW	(JPL)
M89	8157	26-10	2150	Fri	V M8JF (x3) DE RIS9 (x2) //3238 an 4870 and 6874	CW	(JPL)
M89	4131	27-10	1103	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	27-10	1111	Sat	V M8JF (x3) DE RIS9 (x2) //4870 an 6874 and 8157	CW	(JPL)
M89	4870	27-10	1111	Sat	V M8JF (x3) DE RIS9 (x2) //3238 an 6874 and 8157	CW	(JPL)
M89	6874	27-10	1111	Sat	V M8JF (x3) DE RIS9 (x2) //3238 an 4870 and 8157	CW	(JPL)
M89	8157	27-10	1111	Sat	V M8JF (x3) DE RIS9 (x2) //3238 an 4870 and 6874	CW	(JPL)
M89	4326	27-10	1115	Sat	V QW2A (x3) DE G5VD (x2) //4944	CW	(JPL)
M89	4944	27-10	1115	Sat	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4260	27-10	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 4860	CW	(JPL)
M89	4860	27-10	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 4620	CW	(JPL)
M89	6840	27-10	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 4620	CW	(JPL)
M89	5556	27-10	1126	Sat	i.p. 7G NR 320 CK 100 33 0919 2000 RMKS 7953 TO 8560 TO 7953 K	CW	(JPL)
M89	3238	28-10	1800	Sun	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	28-10	1800	Sun	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	28-10	1802	Sun	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	28-10	1802	Sun	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4086	28-10	1804	Sun	i.p. U 7G GA K. R GA R RPT 28W K. R QSL 0208 K. R UP SB WK K	CW	(JPL)
M89	3238	30-10	1742	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	30-10	1742	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	30-10	1743	Tue	V QW2A (x3) DE G5VD (x2)	CW	(JPL)
M89v	4086	28-10	1811	Sun	Switched to voice. Male operator	USB	(JPL)
M95	5801	1-10	1117	Mon	V DKG6 (x3) DE 3A7D (x2) AR QSL ? HR WK NR 13 K //10180	CW	(JPL)
M95	10180	1-10	1117	Mon	V DKG6 (x3) DE 3A7D (x2) AR QSL ? HR WK NR 13 K //5801	CW	(JPL)
M95	3642	4-10	1403	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	4-10	1403	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	6-10	1432	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	6-10	1432	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	7-10	1020	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	7-10	1020	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	7-10	1945	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	7-10	1945	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	9-10	1550	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	9-10	1550	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5700	14-10	0817	Sun	VVV V EFZK DE GMQM K. R QSA 2 K. N QSA 1 K	CW	(JPL)
M95	5733	14-10	0825	Sun	i.p. VVV LU0Y (x3) DE 1IYL (x3) CL R QSA 2 QSA ? K	CW	(JPL)
M95	5835	14-10	0835	Sun	i.p. 5745 7T6D 5737 D47D N6U6 7U56 ...	CW	(JPL)
M95	7601	14-10	1446	Sun	3A7D clg DKG6	CW	(RP-MD)
M95	3642	14-10	1855	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)

M95	7602	14-10	1855	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	15-10	1321	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	15-10	1321	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4283	15-10	1335	Mon	i.p. CK 191 35 1015 1614 A4N UT3 TA5 3U6 TT4 773 3AD 354 U46 AR ZNN SK // 7553	CW	(JPL)
M95	7553	15-10	1335	Mon	i.p. CK 191 35 1015 1614 A4N UT3 TA5 3U6 TT4 773 3AD 354 U46 AR ZNN SK // 4283	CW	(JPL)
M95	5801	16-10	1052	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	16-10	1052	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	16-10	1558	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	16-10	1558	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	17-10	1019	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	17-10	1019	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	17-10	1656	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	17-10	1656	Wed	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M95	5801	18-10	0920	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	18-10	0920	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	8073	18-10	1137	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0921 CK 37 35 01 DA55 U = TAT N	CW	(JPL)
M95	4364	18-10	1140	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0921 CK 37 35 01 DA55 U = TAT N	CW	(JPL)
M95	4243	18-10	1150	Thu	i.p. NR 36 CK 107 35 1018 1600 = UTU TAD 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	18-10	1150	Thu	i.p. NR 36 CK 107 35 1018 1600 = UTU TAD 3U6 3A4 ... //4243	CW	(JPL)
M95	3642	18-10	2238	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	19-10	0939	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	19-10	1410	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	19-10	1410	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	22-10	1723	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	22-10	1723	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4243	23-10	1140	Tue	i.p. NR 047 CK 23 35 1023 1545 = 5AA UTT TU3 3U6 3A4 TTU TT3 773 ...	CW	(JPL)
M95	4364	23-10	1140	Tue	XSV85 i.p. 35 1023 1547 = = TU3 3U6 3AN 3U7 TAU 773 ... AR //8073	CW	(JPL)
M95	8073	23-10	1140	Tue	XSV85 i.p. 35 1023 1547 = = TU3 3U6 3AN 3U7 TAU 773 ... AR //4364	CW	(JPL)
M95	3642	23-10	1628	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	23-10	1628	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	24-10	0659	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	24-10	0659	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	24-10	2105	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	24-10	2105	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	7602	26-10	1738	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	26-10	1738z	Fri	DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	3642	26-10	2147	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	26-10	2147	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	27-10	1058	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4364	27-10	1142	Sat	V BNGC (x3) DE XSV85 (x2) HR 7GS GA PSE CY NR 0951 CK 179 35 1027 1513 = TU7 3	CW	(JPL)

M95	8073	27-10	1142	Sat	V BNGC (x3) DE XSV85 (x2) HR 7GS GA PSE CY NR 0951 CK 179 35 1027 1513 = TU7 3	CW	(JPL)
M95	4243	27-10	1147	Sat	VV HR MSG TO YR PSE CY NR 54 CK 17. 35 1027 1520 = UTU TU7 3U6 3A4 7TU ... //9	CW	(JPL)
M95	9054	27-10	1147	Sat	VV HR MSG TO YR PSE CY NR 54 CK 17. 35 1027 1520 = UTU TU7 3U6 3A4 7TU ... //4	CW	(JPL)
M95	3642	28-10	1757	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	28-10	1757	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	30-10	1738	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	30-10	1738	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
P03a	13873	1-10	1410	Mon	Polish intel.	BPSK-63	(AB)
P03a	13873	1-10	1415	Mon	Polish intel.	BPSK-63	(AB)
P03a	9902	1-10	1635	Mon	Polish intel.	BPSK-63	(AB)
P03a	9902	1-10	1640	Mon	Polish intel.	BPSK-63	(AB)
P03a	13873	2-10	1140	Tue	Polish intel.	BPSK-63	(AB)
P03a	13873	2-10	1145	Tue	Polish intel.	BPSK-63	(AB)
P03a	15800	2-10	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	15800	2-10	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	5946	2-10	1725	Tue	Polish intel.	BPSK-63	(AB)
P03a	5946	2-10	1730	Tue	Polish intel.	BPSK-63	(AB)
P03a	10728	3-10	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10728	3-10	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	5779	3-10	1435	Wed	Polish intel.	BPSK-63	(AB)
P03a	5779	3-10	1440	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	3-10	1500	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	3-10	1505	Wed	Polish intel.	BPSK-63	(AB)
P03a	14865	3-10	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14865	3-10	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	13575	5-10	1440	Fri	Polish intel.	BPSK-63	(AB)
P03a	13575	5-10	1445	Fri	Polish intel.	BPSK-63	(AB)
P03a	10302	5-10	1500	Fri	Polish intel.	BPSK-63	(AB)
P03a	10302	5-10	1505	Fri	Polish intel.	BPSK-63	(AB)
P03a	9902	5-10	1635	Fri	Polish intel.	BPSK-63	(AB)
P03a	9902	5-10	1640	Fri	Polish intel.	BPSK-63	(AB)
P03a	13873	6-10	1140	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	6-10	1145	Sat	Polish intel.	BPSK-63	(AB)
P03a	10728	6-10	1225	Sat	Polish intel.	BPSK-63	(AB)
P03a	10728	6-10	1230	Sat	Polish intel.	BPSK-63	(AB)
P03a	5779	6-10	1435	Sat	Polish intel.	BPSK-63	(AB)
P03a	5779	6-10	1440	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	6-10	1500	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	6-10	1505	Sat	Polish intel.	BPSK-63	(AB)
P03a	14865	6-10	1600	Sat	Polish intel.	BPSK-63	(AB)

P03a	14865	6-10	1605	Sat	Polish intel.	BPSK-63	(AB/MPJ)
P03a	13873	7-10	1410	Sun	Polish intel.	BPSK-63	(AB)
P03a	13873	7-10	1415	Sun	Polish intel.	BPSK-63	(AB)
P03a	13575	7-10	1440	Sun	Polish intel.	BPSK-63	(AB)
P03a	13575	7-10	1445	Sun	Polish intel.	BPSK-63	(AB)
P03a	10302	7-10	1500	Sun	Polish intel.	BPSK-63	(AB)
P03a	10302	7-10	1505	Sun	Polish intel.	BPSK-63	(AB)
P03a	13873	8-10	1410	Mon	Polish intel.	BPSK-63	(AB)
P03a	13873	8-10	1415	Mon	Polish intel.	BPSK-63	(AB)
P03a	9902	8-10	1635	Mon	Polish intel.	BPSK-63	(AB)
P03a	9902	8-10	1640	Mon	Polish intel.	BPSK-63	(AB)
P03a	13873	9-10	1140	Tue	Polish intel.	BPSK-63	(AB)
P03a	13873	9-10	1145	Tue	Polish intel.	BPSK-63	(AB)
P03a	15800	9-10	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	15800	9-10	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	5946	9-10	1725	Tue	Polish intel.	BPSK-63	(AB)
P03a	5946	9-10	1730	Tue	Polish intel.	BPSK-63	(AB)
P03a	10728	10-10	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10728	10-10	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	5779	10-10	1435	Wed	Polish intel.	BPSK-63	(AB)
P03a	5779	10-10	1440	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	10-10	1500	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	10-10	1505	Wed	Polish intel.	BPSK-63	(AB)
P03a	14865	10-10	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14865	10-10	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	13575	12-10	1440	Fri	Polish intel.	BPSK-63	(AB)
P03a	13575	12-10	1445	Fri	Polish intel.	BPSK-63	(AB)
P03a	10302	12-10	1500	Fri	Polish intel.	BPSK-63	(AB)
P03a	10302	12-10	1505	Fri	Polish intel.	BPSK-63	(AB)
P03a	9902	12-10	1635	Fri	Polish intel.	BPSK-63	(AB)
P03a	9902	12-10	1640	Fri	Polish intel.	BPSK-63	(AB)
P03a	13873	13-10	1140	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	13-10	1145	Sat	Polish intel.	BPSK-63	(AB)
P03a	10728	13-10	1225	Sat	Polish intel.	BPSK-63	(AB)
P03a	10728	13-10	1230	Sat	Polish intel.	BPSK-63	(AB)
P03a	5779	13-10	1435	Sat	Polish intel.	BPSK-63	(AB)
P03a	5779	13-10	1440	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	13-10	1500	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	13-10	1505	Sat	Polish intel.	BPSK-63	(AB)
P03a	14865	13-10	1600	Sat	Polish intel.	BPSK-63	(AB)

P03a	14865	13-10	1605	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	14-10	1410	Sun	Polish intel.	BPSK-63	(AB)
P03a	13873	14-10	1415	Sun	Polish intel.	BPSK-63	(AB)
P03a	13575	14-10	1440	Sun	Polish intel.	BPSK-63	(AB)
P03a	13575	14-10	1445	Sun	Polish intel.	BPSK-63	(AB)
P03a	10302	14-10	1500	Sun	Polish intel.	BPSK-63	(AB)
P03a	10302	14-10	1505	Sun	Polish intel.	BPSK-63	(AB)
P03a	13873	15-10	1410	Mon	Polish intel.	BPSK-63	(AB)
P03a	13873	15-10	1415	Mon	Polish intel.	BPSK-63	(AB)
P03a	9902	15-10	1635	Mon	Polish intel.	BPSK-63	(AB)
P03a	9902	15-10	1640	Mon	Polish intel.	BPSK-63	(AB)
P03a	10728	17-10	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10728	17-10	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	5779	17-10	1435	Wed	Polish intel.	BPSK-63	(AB)
P03a	5779	17-10	1440	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	17-10	1500	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	17-10	1505	Wed	Polish intel.	BPSK-63	(AB)
P03a	14865	17-10	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14865	17-10	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	13575	20-10	1445	Sat	Polish intel.	BPSK-63	(AB)
P03a	9902	22-10	1635	Mon	Polish intel.	BPSK-63	(AB)
P03a	9902	22-10	1640	Mon	Polish intel.	BPSK-63	(AB)
P03a	13873	23-10	1140	Tue	Polish intel.	BPSK-63	(AB)
P03a	13873	23-10	1145	Tue	Polish intel.	BPSK-63	(AB)
P03a	15800	23-10	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	15800	23-10	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	5946	23-10	1725	Tue	Polish intel.	BPSK-63	(AB)
P03a	5946	23-10	1730	Tue	Polish intel.	BPSK-63	(AB)
P03a	10728	24-10	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10728	24-10	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	5779	24-10	1435	Wed	Polish intel.	BPSK-63	(AB)
P03a	5779	24-10	1440	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	24-10	1500	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	24-10	1505	Wed	Polish intel.	BPSK-63	(AB)
P03a	14865	24-10	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14865	24-10	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	15800	25-10	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	15800	25-10	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	13575	26-10	1440	Fri	Polish intel.	BPSK-63	(AB)
P03a	13575	26-10	1445	Fri	Polish intel.	BPSK-63	(AB)

P03a	10302	26-10	1500	Fri	Polish intel.	BPSK-63	(AB)
P03a	10302	26-10	1505	Fri	Polish intel.	BPSK-63	(AB)
P03a	9902	26-10	1635	Fri	Polish intel.	BPSK-63	(AB)
P03a	9902	26-10	1640	Fri	Polish intel.	BPSK-63	(AB)
P03a	13873	27-10	1140	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	27-10	1145	Sat	Polish intel.	BPSK-63	(AB)
P03a	10728	27-10	1225	Sat	Polish intel.	BPSK-63	(AB)
P03a	10728	27-10	1230	Sat	Polish intel.	BPSK-63	(AB)
P03a	14865	27-10	1600	Sat	Polish intel.	BPSK-63	(AB)
P03a	14865	27-10	1605	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	28-10	1410	Sun	Polish intel.	BPSK-63	(AB)
P03a	13873	28-10	1415	Sun	Polish intel.	BPSK-63	(AB)
P03a	13575	28-10	1440	Sun	Polish intel.	BPSK-63	(AB)
P03a	13575	28-10	1445	Sun	Polish intel.	BPSK-63	(AB)
P03a	10302	28-10	1500	Sun	Polish intel.	BPSK-63	(AB)
P03a	10302	28-10	1505	Sun	Polish intel.	BPSK-63	(AB)
P03a	5946	28-10	1725	Sun	Polish intel.	BPSK-63	(AB)
P03a	5946	28-10	1730	Sun	Polish intel.	BPSK-63	(AB)
P03a	13873	29-10	1410	Mon	Polish intel.	BPSK-63	(AB)
P03a	13873	29-10	1415	Mon	Polish intel.	BPSK-63	(AB)
P03a	9902	29-10	1635	Mon	Polish intel.	BPSK-63	(AB)
P03a	9902	29-10	1640	Mon	Polish intel.	BPSK-63	(AB)
P03a	13873	30-10	1140	Tue	Polish intel.	BPSK-63	(AB)
P03a	13873	30-10	1145	Tue	Polish intel.	BPSK-63	(AB)
P03a	15800	30-10	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	15800	30-10	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	5946	30-10	1725	Tue	Polish intel.	BPSK-63	(AB)
P03a	5946	30-10	1730	Tue	Polish intel.	BPSK-63	(AB)
P03a	10728	31-10	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10728	31-10	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	5779	31-10	1435	Wed	Polish intel.	BPSK-63	(AB)
P03a	5779	31-10	1440	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	31-10	1500	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	31-10	1505	Wed	Polish intel.	BPSK-63	(AB)
P03a	14865	31-10	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14865	31-10	1605	Wed	Polish intel.	BPSK-63	(AB)
P03b	4505	5-10	2035	Fri	Polish intel.	QPSK-63	(AB)
P03b	4505	5-10	2040	Fri	Polish intel.	QPSK-63	(AB)
P03b	9960	6-10	0610	Sat	Polish intel.	QPSK-63	(AB)
P03b	9960	6-10	0615	Sat	Polish intel.	QPSK-63	(AB)

P03b	9960	7-10	0610	Sun	Polish intel.	QPSK-63	(AB)
P03b	9960	7-10	0615	Sun	Polish intel.	QPSK-63	(AB)
P03b	11107	10-10	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	11107	10-10	1125	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	10-10	2035	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	10-10	2040	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	12-10	2035	Fri	Polish intel.	QPSK-63	(AB)
P03b	4505	12-10	2040	Fri	Polish intel.	QPSK-63	(AB)
P03b	9960	13-10	0610	Sat	Polish intel.	QPSK-63	(AB)
P03b	9960	13-10	0615	Sat	Polish intel.	QPSK-63	(AB)
P03b	9960	14-10	0610	Sun	Polish intel.	QPSK-63	(AB)
P03b	9960	14-10	0615	Sun	Polish intel.	QPSK-63	(AB)
P03b	11107	17-10	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	11107	17-10	1125	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	17-10	2035	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	17-10	2040	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	20-10	2040	Sat	Polish intel.	QPSK-63	(BW3-D)
P03b	11107	24-10	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	11107	24-10	1125	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	24-10	2035	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	24-10	2040	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	26-10	2035	Fri	Polish intel.	QPSK-63	(AB)
P03b	4505	26-10	2040	Fri	Polish intel.	QPSK-63	(AB)
P03b	9960	27-10	0610	Sat	Polish intel.	QPSK-63	(AB)
P03b	9960	27-10	0615	Sat	Polish intel.	QPSK-63	(AB)
P03b	11107	31-10	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	11107	31-10	1125	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	31-10	2035	Wed	Polish intel.	QPSK-63	(AB)
P03b	4505	31-10	2040	Wed	Polish intel.	QPSK-63	(AB)
Q26	4364	18-10	1137	Thu	messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	18-10	1137	Thu	messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	27-10	1135	Sat	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	27-10	1135	Sat	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	27-10	1150	Sat	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	27-10	1150	Sat	Messages //4243	4+4 QPSK 75/3000	(JPL)

							LSB	
S06	9047	5-10	2000	Fri	483 483 483 00000		USB	(AB)
S06	6769	5-10	2100	Fri	483 483 483 00000		USB	(AB)
S06	4491	6-10	2000	Sat	263 263 263 00000		USB	(AB)
S06	3815	6-10	2100	Sat	263 263 263 00000		USB	(AB)
S06	9047	19-10	2000	Fri	483 483 483 00000		USB	(HFD)
S06	6769	19-10	2100	Fri	483 483 483 00000		USB	(HFD)
S06	4491	20-10	2000	Sat	263 263 263 00000		USB	(HFD)
S06	3815	20-10	2100	Sat	263 263 263 00000		USB	(HFD)
S06	9463	23-10	1410	Tue	Test, many errors. 801 923 54 49681 39121 69139 ... 84876 75897 59618 923 54 00000 Sent only 52 groups		USB	(Avare)
S06	16237	25-10	0930	Thu	842 369 41 27128 via GT Hongkong		USB	(HFD-HK)
S06b	9463	23-10	1220	Tue	Test transmission, numerous breaks. S06b variant. 801 543 2 98723 14729 801 672 53 45618 39898 19651 ... 24911 36734 57189 672 53 00000		USB	(qsr711)
S06s	22185	1-10	0630	Mon	524 981 6 46062 68672 97478 39685 30485 96622 981 6 00000		USB	(AB-QAT)
S06s	20050	1-10	0640	Mon	524 981 6 46062 68672 97478 39685 30485 96622 981 6 00000		USB	(AB-QAT)
S06s	9220	1-10	0830	Mon	371 824 5 52401 63919 92699 14600 74248 824 5 00000		USB	(AB)
S06s	8270	1-10	0840	Mon	371 824 5 52401 63919 92699 14600 74248 824 5 00000		USB	(AB)
S06s	14580	1-10	0900	Mon	872 461 5 88620 58069 61732 74537 57440 461 5 00000		USB	(AB)
S06s	13165	1-10	0910	Mon	872 461 5 88620 58069 61732 74537 57440 461 5 00000		USB	(AB)
S06s	9145	1-10	1200	Mon	831 247 5 35861 33432 89319 32494 37142 247 5 00000		USB	(AB/MPJ)
S06s	11460	1-10	1210	Mon	831 247 5 35861 33432 89319 32494 37142 247 5 00000		USB	(AB/MPJ)
S06s	15855	2-10	0600	Tue	438 205 6 37218 30443 35801 32940 43079 32154 205 6 00000		USB	(AB-ROU)
S06s	16485	2-10	0610	Tue	438 205 6 37218 30443 35801 32940 43079 32154 205 6 00000		USB	(AB-ROU)
S06s	5760	2-10	0700	Tue	374 856 9 87367 30677 31464 60750 42423 35630 37392 39723 36946 856 9 00000		USB	(AB)
S06s	6930	2-10	0715	Tue	374 856 9 87367 30677 31464 60750 42423 35630 37392 39723 36946 856 9 00000		USB	(AB)
S06s	7425	2-10	0730	Tue	427 956 8 47461 36461 36956 35478 36583 42069 30913 32098 956 8 00000		USB	(AB)
S06s	11560	2-10	0740	Tue	427 956 8 47461 36461 36956 35478 36583 42069 30913 32098 956 8 00000		USB	(AB)
S06s	11635	2-10	0800	Tue	352 940 6 90405 36113 32210 37806 37137 31406 940 6 00000		USB	(AB)
S06s	10420	2-10	0810	Tue	352 940 6 90405 36113 32210 37806 37137 31406 940 6 00000		USB	(AB)
S06s	6410	2-10	1000	Tue	893 256 7 61131 84809 43182 34203 80585 53624 02507 256 7 00000		USB	(AB)
S06s	7340	2-10	1010	Tue	893 256 7 61131 84809 43182 34203 80585 53624 02507 256 7 00000		USB	(AB)
S06s	6190	2-10	1100	Tue	754 926 8 93153 74853 17993 18137 70500 78923 92381 16091 926 8 00000		USB	(AB-POL)
S06s	7230	2-10	1110	Tue	754 926 8 93153 74853 17993 18137 70500 78923 92381 16091 926 8 00000		USB	(AB-ROU/MPJ-I)
S06s	6464	2-10	1500	Tue	537 912 6 87655 75855 07443 51240 62434 77888 912 6 00000		USB	(AB)
S06s	7242	2-10	1510	Tue	537 912 6 87655 75855 07443 51240 62434 77888 912 6 00000		USB	(AB/MPJ-AUT)
S06s	11530	3-10	0730	Wed	745 920 6 90406 36113 31107 37806 37137 31405 920 6 00000		USB	(AB)
S06s	12140	3-10	0740	Wed	745 920 6 90406 36113 31107 37806 37137 31405 920 6 00000		USB	(AB)
S06s	8630	3-10	0820	Wed	471 960 5 40456 88731 87686 31101 30187 960 5 00000		USB	(AB)
S06s	9082	3-10	0830	Wed	464 932 5 38792 30187 30568 32154 47956 932 5 00000		USB	(AB)

S06s	9255	3-10	0830	Wed	471 960 5 40456 88731 87686 31101 30187 960 5 00000	USB	(AB)
S06s	9952	3-10	0840	Wed	464 932 5 38792 30187 30568 32154 47956 932 5 00000	USB	(AB)
S06s	13365	3-10	1000	Wed	729 584 6 35131 84430 39244 36850 39818 38792 584 6 00000	USB	(AB)
S06s	14505	3-10	1010	Wed	729 584 6 35131 84430 39244 36850 39818 38792 584 6 00000	USB	(AB)
S06s	9081	4-10	0930	Thu	314 972 5 42881 39366 87471 31487 30130 972 5 00000	USB	(AB)
S06s	10514	4-10	0940	Thu	314 972 5 42881 39366 87471 31487 30130 972 5 00000	USB	(AB)
S06s	12415	4-10	1200	Thu	425 931 6 85418 31896 36053 33779 32814 47565 931 6 00000	USB	(AB/MPJ)
S06s	14212	4-10	1210	Thu	425 931 6 85418 31896 36053 33779 32814 47565 931 6 00000	USB	(AB/MPJ)
S06s	5744	5-10	0900	Fri	624 831 5 07931 99755 84638 45752 64655 831 5 00000	USB	(AB-POL)
S06s	6524	5-10	0910	Fri	624 831 5 07931 99755 84638 45752 64655 831 5 00000	USB	(AB)
S06s	12140	5-10	0930	Fri	516 874 9 37888 32451 33983 42283 32618 31250 46280 83060 43879 874 9 00000	USB	(AB)
S06s	13515	5-10	0940	Fri	516 874 9 37888 32451 33983 42283 32618 31250 46280 83060 43879 874 9 00000	USB	(AB)
S06s	10350	6-10	0800	Sat	254 897 6 90733 20954 32983 45458 43992 21026 897 6 00000	USB	(AB)
S06s	8520	6-10	0820	Sat	254 897 6 90733 20954 32983 45458 43992 21026 897 6 00000	USB	(AB)
S06s	9220	8-10	0830	Mon	371 824 5 52401 63919 92699 14600 74248 824 5 00000	USB	(AB)
S06s	8270	8-10	0840	Mon	371 824 5 52401 63919 92699 14600 74248 824 5 00000	USB	(AB)
S06s	14580	8-10	0900	Mon	872 461 5 88620 58069 61732 74537 57440 461 5 00000	USB	(AB)
S06s	13165	8-10	0910	Mon	872 461 5 88620 58069 61732 74537 57440 461 5 00000	USB	(AB)
S06s	9145	8-10	1200	Mon	831 247 5 35861 33432 89319 32494 37142 247 5 00000	USB	(AB/MPJ)
S06s	11460	8-10	1210	Mon	831 247 5 35861 33432 89319 32494 37142 247 5 00000	USB	(AB/MPJ)
S06s	15855	9-10	0600	Tue	438 205 6 37218 30443 35801 32940 43079 32154 205 6 00000	USB	(AB-AUT)
S06s	16485	9-10	0610	Tue	438 205 6 37218 30443 35801 32940 43079 32154 205 6 00000	USB	(AB-AUT)
S06s	5760	9-10	0700	Tue	374 856 9 87367 30677 31464 60750 42423 35630 37392 39723 36946 856 9 00000	USB	(AB)
S06s	6930	9-10	0715	Tue	374 856 9 87367 30677 31464 60750 42423 35630 37392 39723 36946 856 9 00000	USB	(AB)
S06s	7425	9-10	0730	Tue	427 956 8 47461 36461 36956 35478 36583 42069 30913 32098 956 8 00000	USB	(AB)
S06s	11560	9-10	0740	Tue	427 956 8 47461 36461 36956 35478 36583 42069 30913 32098 956 8 00000	USB	(AB)
S06s	11635	9-10	0800	Tue	352 940 6 90405 36113 32210 37806 37137 31406 940 6 00000	USB	(AB)
S06s	10420	9-10	0810	Tue	352 940 6 90405 36113 32210 37806 37137 31406 940 6 00000	USB	(AB)
S06s	6410	9-10	1000	Tue	893 256 7 61131 84809 43182 34203 80585 53624 02507 256 7 00000	USB	(AB)
S06s	7340	9-10	1010	Tue	893 256 7 61131 84809 43182 34203 80585 53624 02507 256 7 00000	USB	(AB)
S06s	6190	9-10	1103	Tue	754 926 8 93153 74853 17993 18137 70500 78923 92381 16091 926 8 00000 Late start	USB	(AB/MPJ)
S06s	7230	9-10	1110	Tue	754 926 8 93153 74853 17993 18137 70500 78923 92381 16091 926 8 00000	USB	(AB/MPJ)
S06s	6464	9-10	1500	Tue	537 912 6 87655 75855 07443 51240 62434 77888 912 6 00000	USB	(AB/MPJ)
S06s	7242	9-10	1510	Tue	537 912 6 87655 75855 07443 51240 62434 77888 912 6 00000	USB	(AB/MPJ)
S06s	11530	10-10	0730	Wed	745 920 6 90406 36113 31107 37806 37137 31405 920 6 00000	USB	(AB)
S06s	12140	10-10	0740	Wed	745 920 6 90406 36113 31107 37806 37137 31405 920 6 00000	USB	(AB)
S06s	8630	10-10	0820	Wed	471 960 5 40456 88731 87686 31101 30187 960 5 00000	USB	(AB)
S06s	9082	10-10	0830	Wed	464 932 5 38792 30187 30568 32154 47956 932 5 00000	USB	(AB)
S06s	9255	10-10	0830	Wed	471 960 5 40456 88731 87686 31101 30187 960 5 00000	USB	(AB)
S06s	9952	10-10	0840	Wed	464 932 5 38792 30187 30568 32154 47956 932 5 00000	USB	(AB)

S06s	13365	10-10	1000	Wed	729 584 6 35131 84430 39244 36850 39818 38792 584 6 00000	USB	(AB)
S06s	14505	10-10	1010	Wed	729 584 6 35131 84430 39244 36850 39818 38792 584 6 00000	USB	(AB)
S06s	9081	11-10	0930	Thu	314 972 5 42881 39366 87471 31487 30130 972 5 00000	USB	(AB)
S06s	10514	11-10	0940	Thu	314 972 5 42881 39366 87471 31487 30130 972 5 00000	USB	(AB)
S06s	12415	11-10	1200	Thu	425 931 6 85418 31896 36053 33779 32814 47565 931 6 00000	USB	(AB/MPJ)
S06s	14212	11-10	1210	Thu	425 931 6 85418 31896 36053 33779 32814 47565 931 6 00000	USB	(AB/MPJ)
S06s	5744	12-10	0900	Fri	624 831 5 07931 99755 84638 45752 64655 831 5 00000	USB	(AB-POL)
S06s	6524	12-10	0910	Fri	624 831 5 07931 99755 84638 45752 64655 831 5 00000	USB	(AB)
S06s	12140	12-10	0930	Fri	516 874 9 37888 32451 33983 42283 32618 31250 46280 83060 43879 874 9 00000	USB	(AB)
S06s	13515	12-10	0940	Fri	516 874 9 37888 32451 33983 42283 32618 31250 46280 83060 43879 874 9 00000	USB	(AB)
S06s	22185	15-10	0630	Mon	524 873 6 88620 58069 61732 74537 57440 10597 873 6 00000	USB	(AB-AUT)
S06s	20050	15-10	0640	Mon	524 873 6 88620 58069 61732 74537 57440 10597 873 6 00000	USB	(AB-AUT)
S06s	9220	15-10	0830	Mon	371 846 5 52401 63919 92699 14600 74248 846 5 00000	USB	(AB)
S06s	8270	15-10	0840	Mon	371 846 5 52401 63919 92699 14600 74248 846 5 00000	USB	(AB)
S06s	14580	15-10	0900	Mon	872 906 5 01405 15003 23457 60583 54545 906 5 00000	USB	(AB)
S06s	13165	15-10	0910	Mon	872 906 5 01405 15003 23457 60583 54545 906 5 00000	USB	(AB)
S06s	9145	15-10	1200	Mon	831 940 5 84090 09531 88430 33240 61135 940 5 00000	USB	(AB/MPJ-HOL)
S06s	11460	15-10	1210	Mon	831 940 5 84090 09531 88430 33240 61135 940 5 00000	USB	(AB/MPJ-HOL)
S06s	6190	16-10	1100	Tue	754 892 6 42433 35630 37392 39723 36946 31568 892 6 00000	USB	(AB/MPJ)
S06s	7230	16-10	1110	Tue	754 892 6 42433 35630 37392 39723 36946 31568 892 6 00000	USB	(AB/MPJ)
S06s	6464	16-10	1500	Tue	537 941 6 34440 40456 88731 87386 31101 37931 941 6 00000	USB	(MPJ)
S06s	7242	16-10	1510	Tue	537 941 6 34440 40456 88731 87386 31101 37931 941 6 00000	USB	(MPJ/BW3)
S06s	11530	17-10	0730	Wed	745 928 6 05899 50387 45847 23013 89758 52343 928 6 00000	USB	(AB)
S06s	12140	17-10	0740	Wed	745 928 6 05899 50387 45847 23013 89758 52343 928 6 00000	USB	(AB)
S06s	8630	17-10	0820	Wed	471 206 5 52401 63919 92699 14600 74248 206 5 00000	USB	(AB)
S06s	9082	17-10	0830	Wed	464 278 5 47665 94092 48521 63888 92060 278 5 00000	USB	(AB)
S06s	9255	17-10	0830	Wed	471 206 5 52401 63919 92699 14600 74248 206 5 00000	USB	(AB)
S06s	9952	17-10	0840	Wed	464 278 5 47665 94092 48521 63888 92060 278 5 00000	USB	(AB)
S06s	13365	17-10	1000	Wed	729 450 6 88146 57856 98835 46186 16945 22536 450 6 00000	USB	(AB)
S06s	14505	17-10	1010	Wed	729 450 6 88146 57856 98835 46186 16945 22536 450 6 00000	USB	(AB)
S06s	9081	18-10	0930	Thu	314 260 5 47665 94092 48521 63888 92060 260 5 00000	USB	(AB)
S06s	10514	18-10	0940	Thu	314 260 5 47665 94092 48521 63888 92060 260 5 00000	USB	(AB)
S06s	12415	18-10	1200	Thu	425 938 6 96320 36793 53038 76342 15009 34140 938 6 00000	USB	(AB/MPJ)
S06s	14212	18-10	1210	Thu	425 938 6 96320 36793 53038 76342 15009 34140 938 6 00000	USB	(AB/MPJ)
S06s	9145	22-10	1200	Mon	831 940 5 84090 09531 88430 33240 61135 940 5 00000	USB	(AB/MPJ)
S06s	11460	22-10	1210	Mon	831 940 5 84090 09531 88430 33240 61135 940 5 00000	USB	(AB/MPJ)
S06s	15855	23-10	0600	Tue	438 901 5 57857 98835 46186 17945 88280 901 5 00000	USB	(AB-AUT)
S06s	16485	23-10	0610	Tue	438 901 5 57857 98835 46186 17945 88280 901 5 00000	USB	(AB-AUT)
S06s	5760	23-10	0700	Tue	374 291 5 50128 99477 83574 48874 94031 291 5 00000	USB	(AB)
S06s	6930	23-10	0715	Tue	374 291 5 50128 99477 83574 48874 94031 291 5 00000	USB	(AB)

S06s	7425	23-10	0730	Tue	427 830 6 89758 52343 79628 42432 56075 56281 00000	USB	(AB)
S06s	11560	23-10	0740	Tue	427 830 6 89758 52343 79628 42432 56075 56281 00000	USB	(AB)
S06s	11635	23-10	0800	Tue	352 987 6 52401 63919 92699 14601 47248 48754 987 6 00000	USB	(AB)
S06s	10420	23-10	0810	Tue	352 987 6 52401 63919 92699 14601 47248 48754 987 6 00000	USB	(AB)
S06s	6410	23-10	1000	Tue	893 201 5 07414 62694 84834 81185 08844 201 5 00000	USB	(AB-POL)
S06s	7340	23-10	1010	Tue	893 201 5 07414 62694 84834 81185 08844 201 5 00000	USB	(AB)
S06s	6190	23-10	1100	Tue	754 892 6 42433 35630 37392 39723 36946 31568 892 6 00000	USB	(AB-POL/MPJ)
S06s	7230	23-10	1110	Tue	754 892 6 42433 35630 37392 39723 36946 31568 892 6 00000	USB	(AB/MPJ)
S06s	6464	23-10	1500	Tue	537 941 6 34440 40456 88731 87386 31101 37931 941 6 00000	USB	(AB/MPJ)
S06s	7242	23-10	1510	Tue	537 941 6 34440 40456 88731 87386 31101 37931 941 6 00000	USB	(AB/MPJ)
S06s	11530	24-10	0730	Wed	745 928 6 05899 50387 45847 23013 89758 52343 928 6 00000	USB	(AB)
S06s	12140	24-10	0740	Wed	745 928 6 05899 50387 45847 23013 89758 52343 928 6 00000	USB	(AB)
S06s	8630	24-10	0820	Wed	471 206 5 52401 63919 92699 14600 74248 206 5 00000	USB	(AB)
S06s	9082	24-10	0830	Wed	464 278 5 47665 94092 48521 63888 92060 278 5 00000	USB	(AB)
S06s	9255	24-10	0830	Wed	471 206 5 52401 63919 92699 14600 74248 206 5 00000	USB	(AB)
S06s	9952	24-10	0840	Wed	464 278 5 47665 94092 48521 63888 92060 278 5 00000	USB	(AB)
S06s	13365	24-10	1000	Wed	729 450 6 88146 57856 98835 46186 16945 22536 450 6 00000	USB	(AB)
S06s	14505	24-10	1010	Wed	729 450 6 88146 57856 98835 46186 16945 22536 450 6 00000	USB	(AB)
S06s	9081	25-10	0930	Thu	314 260 5 47665 94092 48521 63888 92060 260 5 00000	USB	(AB)
S06s	10514	25-10	0940	Thu	314 260 5 47665 94092 48521 63888 92060 260 5 00000	USB	(AB)
S06s	12415	25-10	1200	Thu	425 938 6 96320 36793 53038 76342 15009 34140 938 6 00000	AM	(AB)
S06s	14212	25-10	1210	Thu	425 938 6 96320 36793 53038 76342 15009 34140 938 6 00000	AM	(AB)
S06s	5744	26-10	0900	Fri	624 813 5 64385 82707 47891 23247 17099 813 5 00000	USB	(AB)
S06s	6524	26-10	0910	Fri	624 813 5 64385 82707 47891 23247 17099 813 5 00000	USB	(AB)
S06s	12140	26-10	0930	Fri	516 840 7 68909 45279 43828 55581 20044 52985 53006 840 7 00000	AM	(AB)
S06s	13515	26-10	0940	Fri	516 840 7 68909 45279 43828 55581 20044 52985 53006 840 7 00000	AM	(AB)
S06s	22185	29-10	0630	Mon	524 524 524 00000	USB	(AB-QAT)
S06s	20050	29-10	0640	Mon	524 524 524 00000	USB	(AB-QAT)
S06s	9220	29-10	0830	Mon	371 371 371 00000	USB	(AB)
S06s	8270	29-10	0840	Mon	371 371 371 00000	USB	(AB)
S06s	14580	29-10	0900	Mon	872 872 872 00000	USB	(AB-AUT)
S06s	13165	29-10	0910	Mon	872 872 872 00000	USB	(AB)
S06s	9145	29-10	1200	Mon	831 831 831 00000	USB	(AB/MPJ)
S06s	11460	29-10	1210	Mon	831 831 831 00000	USB	(AB/MPJ)
S06s	15855	30-10	0600	Tue	438 438 438 00000	USB	(AB-AUT)
S06s	16485	30-10	0610	Tue	438 438 438 00000	USB	(AB-AUT)
S06s	5760	30-10	0700	Tue	374 374 374 00000	USB	(AB)
S06s	6930	30-10	0715	Tue	374 374 374 00000	USB	(AB)
S06s	7425	30-10	0730	Tue	427 427 427 00000	USB	(AB)
S06s	11560	30-10	0740	Tue	427 427 427 00000	USB	(AB)

S06s	11635	30-10	0800	Tue	352 352 352 00000	USB	(AB)
S06s	10420	30-10	0810	Tue	352 352 352 00000	USB	(AB)
S06s	6410	30-10	1000	Tue	893 893 893 00000	USB	(AB)
S06s	7340	30-10	1010	Tue	893 893 893 00000	USB	(AB)
S06s	6190	30-10	1100	Tue	754 754 754 00000	USB	(AB/MPJ)
S06s	7230	30-10	1110	Tue	754 754 754 00000	USB	(AB/MPJ)
S06s	6464	30-10	1500	Tue	537 537 537 00000	USB	(AB/MPJ/BW3-G)
S06s	7242	30-10	1510	Tue	537 537 537 00000	USB	(AB/MPJ/BW3-G)
S06s	11530	31-10	0730	Wed	745 745 745 00000	USB	(AB)
S06s	12140	31-10	0740	Wed	745 745 745 00000	USB	(AB)
S06s	8630	31-10	0820	Wed	471 471 471 00000	USB	(AB)
S06s	9082	31-10	0830	Wed	464 464 464 00000	USB	(AB)
S06s	9255	31-10	0830	Wed	471 471 471 00000	USB	(AB)
S06s	9952	31-10	0840	Wed	464 464 464 00000	USB	(AB)
S06s	13365	31-10	1000	Wed	729 729 729 00000	AM	(AB)
S06s	14505	31-10	1010	Wed	729 729 729 00000	AM	(AB)
S11a	11493	1-10	1015	Mon	471/31 Vnimanije 49613 80097 11940 ... 58633 08572 03120 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5358	2-10	0455	Tue	327/35 71429 87861 61480 ... 24380 47281 73900 (message repeated) Konets. No "Vnimanije"	USB	(AB)
S11a	7469	2-10	1020	Tue	427/00	USB	(AB)
S11a	10800	3-10	1540	Wed	569/40 60669 67831 23972 ... 30467 86726 36045 rpts Konets	USB	(MPJ)
S11a	10213	3-10	1850	Wed	286/00	USB	(AB/MPJ)
S11a	4016	3-10	1955	Wed	377/00	USB	(AB)
S11a	5358	5-10	0455	Fri	327/35 71429 87861 61480 ... 24380 47281 73900 (message repeated) Konets. No "Vnimanije"	USB	(AB)
S11a	7469	5-10	1020	Fri	422/00	USB	(AB)
S11a	4016	5-10	1955	Fri	371/00	USB	(AB)
S11a	10800	6-10	1540	Sat	569/40 60669 67831 23972 ... 30467 86726 36045 (message repeated) Konets. No "Vnimanije"	USB	(AB/MPJ)
S11a	10213	6-10	1850	Sat	285/00	USB	(AB/MPJ)
S11a	11493	8-10	1015	Mon	476/00	USB	(AB)
S11a	5358	9-10	0455	Tue	322/00	USB	(AB)
S11a	10800	10-10	1015	Wed	569/00	USB	(GHn)
S11a	10800	10-10	1540	Wed	561/00	USB	(AB)
S11a	10213	10-10	1850	Wed	285/00	USB	(AB/MPJ)
S11a	4016	10-10	1955	Wed	371/00	USB	(AB)
S11a	4356	11-10	2000	Thu	121/30 Vnimanije 52489 63214 78521 ... 12552 07553 69012 Vnimanije (message repeated) Konec.	USB	(Avare)
S11a	4909	11-10	2100	Thu	121/30 Vnimanije 95135 74521 03201 ... 32151 04555 55189 Vnimanije (message	USB	(Avare)

					repeated) Koniec.		
S11a	5358	12-10	0455	Fri	328/00	USB	(AB)
S11a	4016	12-10	1955	Fri	371/00	USB	(AB)
S11a	9610	13-10	1000	Sat	121/20 58417 86578 65453 ... 78547 54784 77887 (message repeated) Koniec	USB	(qsr711)
S11a	10800	13-10	1540	Sat	569/00	USB	(AB/MPJ)
S11a	10213	13-10	1850	Sat	284/00	USB	(AB/MPJ)
S11a	4909	13-10	2100	Sat	121/30 51457 57575 45245 ... 76895 26556 84586 (message repeated) Koniec. No "Vnimaniye"	USB	(Avare)
S11a	4356	14-10	2107	Sun	i.p. 12558 67545 22433 ... 05143 36687 62120 Konets	USB	(Avare)
S11a	11493	15-10	1015	Mon	472/00	USB	(AB)
S11a	10800	17-10	1540	Wed	563/00	USB	(AB)
S11a	10213	17-10	1850	Wed	280/39 75376 52559 42720 ... 61614 54773 37193 (message repeated) Konets. No "Vnimaniye"	USB	(AB/MPJ)
S11a	4016	17-10	1955	Wed	371/37 25589 05677 83537 ... 84926 03594 95063 (message repeated) Konets. No "Vnimaniye"	USB	(AB)
S11a	5358	19-10	0455	Fri	322/00	USB	(AB)
S11a	10800	20-10	1540	Sat	567/38 Vnimaniye 90673 23295 02618 ... 34268 01621 89385 Vnimaniye. rpts. Koniec	USB	(MPJ)
S11a	10213	20-10	1850	Sat	288/00	USB	(MPJ)
S11a	5358	23-10	0455	Tue	320/33 Vnimaniye 80093 32663 21373 ... 54458 47160 59279 Vnimaniye (message repeated) Konets	USB	(AB-POL)
S11a	7469	23-10	1020	Tue	425/00	USB	(AB)
S11a	10800	24-10	1540	Wed	566/00	USB	(AB)
S11a	10213	24-10	1850	Wed	284/00	USB	(AB)
S11a	4016	24-10	1955	Wed	377/00	USB	(AB)
S11a	14975	25-10	0735	Thu	384/00	USB	(AB)
S11a	11493	25-10	1015	Thu	478/00	USB	(AB)
S11a	5358	26-10	0455	Fri	320/33 80093 32663 21373 ... 54458 47160 59279 (message repeated) Konets. No "Vnimaniye"	USB	(AB)
S11a	7469	26-10	1020	Fri	424/00	USB	(AB)
S11a	4016	26-10	1955	Fri	379/00	USB	(AB)
S11a	10800	27-10	1540	Sat	561/00	USB	(AB)
S11a	10213	27-10	1850	Sat	280/00	USB	(AB/RL)
S11a	11493	29-10	1015	Mon	476/00	USB	(AB)
S11a	14975	30-10	0735	Tue	385/00	USB	(AB)
S11a	7469	30-10	1020	Tue	424/00	USB	(AB)
S11a	10800	31-10	1540	Wed	560/00	USB	(AB/MPJ/GHn)
S11a	10213	31-10	1850	Wed	285/00	USB	(AB/MPJ)
S11a	4016	31-10	1955	Wed	379/00	USB	(AB)
UM10	3238	7-10	1025	Sun	10-minutes net: D6AN //3698 kHz	CW	(JPL-CHN)
UM10	3698	7-10	1025	Sun	10-minutes net: D6AN //3238 kHz	CW	(JPL-CHN)

UM10	3206	7-10	1027	Sun	10-minutes net: KTR4 //3865 kHz	CW	(JPL-CHN)
UM10	3865	7-10	1027	Sun	10-minutes net: KTR4 //3206 kHz	CW	(JPL-CHN)
UM10	3610	7-10	2000	Sun	i.p. Nr 1030 NR 1030 CK 133 CK 133 = .AD.A .0UA5 600UU 6UU44 6U.UA 6U7A7 .357U (Cont'd)	CW	(JPL-J)
UM10	3206	9-10	1551	Tue	10-minutes net: KTR4 //3865 kHz	CW	(JPL-CHN)
UM10	3238	9-10	1551	Tue	10-minutes net: D6AN	CW	(JPL-CHN)
UM10	3865	9-10	1551	Tue	10-minutes net: KTR4 //3206 kHz	CW	(JPL-CHN)
UM10	5762	14-10	0824	Sun	10-minutes net: L3AD	CW	(JPL-CHN)
UM10	3238	14-10	1858	Sun	10-minutes net: D6AN	CW	(JPL-CHN)
UM10	3238	15-10	1324	Mon	10-minutes net: D6AN	CW	(JPL-Sib)
UM10	3206	15-10	1329	Mon	10-minutes net: KTR4	CW	(JPL-Sib)
UM10	3238	22-10	1726	Mon	10-minutes net: D6AN	CW	(JPL-Sib)
UM10	3206	22-10	1727	Mon	10-minutes net: KTR4	CW	(JPL-Sib)
UM10	3206	23-10	1650	Tue	10-minutes net: KTR4 //3865 kHz	CW	(JPL-CHN)
UM10	3865	23-10	1650	Tue	10-minutes net: KTR4 //3206 kHz	CW	(JPL-CHN)
UM10	3238	23-10	1653	Tue	10-minutes net: D6AN	CW	(JPL-CHN)
UM10	3755	26-10	2157	Fri	10-minutes net: KTR4	CW	(JPL-CHN)
V07	15925	7-10	0100	Sun	974 974 974 1 6621 51 94643 14348 18101 ... 85714 27318 000 000	USB	(Dan/Token)
V07	14725	7-10	0120	Sun	974 974 974 1 6621 51 94643 14348 18101 ... 85714 27318 000 000	USB	(Dan/Token)
V07	13425	7-10	0140	Sun	974 974 974 1 6621 51 94643 14348 18101 ... 85714 27318 000 000	USB	(Dan/Token)
V07	15925	14-10	0100	Sun	974 974 974 000	USB	(SDX)
V07	14725	14-10	0120	Sun	974 974 974 000	USB	(SDX/MDK2)
V07	13425	21-10	0100	Sun	974 974 974 1 459 69 05344 39783 00417 ... 20275 73481 000 000	USB	(Dan/SDX)
V07	14725	21-10	0100	Sun	974 974 974 1 459 69 05344 39783 00417 ... 20275 73481 000 000	USB	(Dan/SDX)
V07	15925	21-10	0100	Sun	974 974 974 1 459 69 05344 39783 00417 ... 20275 73481 000 000	USB	(Dan/SDX)
V07	15925	28-10	0100	Sun	974 974 974 000	USB	(Dan/SDX)
V07	14725	28-10	0120	Sun	974 974 974 000	USB	(Dan/SDX)
V13	8169	30-10	0710	Tue	New Star Broadcasting i.p.	AM	(Phi-J)
V15	657	12-10	1545	Fri	North Korean intel on 657, 3320, 6400 kHz	AM	(BW3-J)
V15	3320	12-10	1545	Fri	North Korean intel on 657, 3320, 6400 kHz	AM	(BW3-J)
V15	6400	12-10	1545	Fri	North Korean intel on 657, 3320, 6400 kHz	AM	(BW3-J)
V24	5290	3-10	1430	Wed	Popmusic followed by a message in Korean	AM	(AB-KOR)
V24	5290	5-10	1430	Fri	Popmusic followed by a message in Korean	AM	(AB/W9SPY)
V24	5290	7-10	1430	Sun	Popmusic followed by a message in Korean. XP-sounds after 3m30s	AM	(Avare)
V24	6215	7-10	1500	Sun	Popmusic followed by a message in Korean	AM	(AB-J)
V24	6310	8-10	1530	Mon	K-pop music followed by Korean numbers	AM	(BW3-J)
V24	6310	8-10	1533	Mon	Pop song followed by a message in Korean	AM	(SDX)
V24	6214	9-10	1500	Tue	Popmusic followed by a message in Korean	AM	(AB-J)
V24	6215	9-10	1503	Tue	Pop song followed by a message in Korean	AM	(SDX)
V24	5715	19-10	1500	Fri	Popsong followed by a message in Korean	AM	(BW3-J/SDX)

V24	5715	21-10	1500	Sun	Light pop song followed by numbers in Korean	AM	(SDX)
V24	5715	26-10	1500	Fri	Carrier on at 1437z. Pop song music audio test at 1448z. Start at 1500z. Light pop song followed by numbers in Korean at 1503z, off at 1508z	AM	(SDX)
V26	4364	23-10	1150	Tue	Messages in Chinese. Male operator //8073	USB	(JPL)
V26	8073	23-10	1150	Tue	Messages in Chinese. Male operator //4364	USB	(JPL)
V28	3517.8	14-10	1300	Sun	Message in Korean	AM	(Phi-J)
V28	3051.1	14-10	1301	Sun	Message in Korean	AM	(Phi-J)
V28	2998	18-10	1257	Thu	Messages in Korean. Male operator	AM	(HK)
V28	3050	18-10	1259	Thu	Messages in Korean. Female operator	AM	(HK)
V28	3518	18-10	1300	Thu	Messages in Korean. Female operator	AM	(HK)
V28	2831	18-10	1301	Thu	Messages in Korean. Female operator	AM	(HK)
V28	4494	31-10	2205	Wed	Parrot. Messages in Korean	AM	(HK)
V28	4629	31-10	2205	Wed	Parrot. Messages in Korean	AM	(HK)
V28	4981	31-10	2205	Wed	Parrot. Messages in Korean	AM	(HK)
V28	5146	31-10	2205	Wed	Parrot. Messages in Korean	AM	(HK)
VC01	3471	8-10	1512	Mon	Chinese Robot i.p.	USB	(BW3-J)
VC01	3471	12-10	1445	Fri	Chinese Robot i.p.	USB	(BW3-J)
VC01	6331	17-10	0515	Wed	Chinese Robot i.p.	USB	(AB-J)
VC01	6918	17-10	0516	Wed	Chinese Robot i.p.	LSB	(AB-J)
VC01	3471	27-10	1551	Sat	Chinese Robot i.p.	USB	(BW3-J)
X06	12157	2-10	0756	Tue	165423	MFSK-6	(HFD)
X06	12150	3-10	0640	Wed	Sequence: 256341	MFSK-6	(AB)
X06	14655	10-10	0802	Wed	Sequence: 164253	MFSK-6	(AB)
X06	12150	17-10	0637	Wed	i.p. Sequence: 256341 ended at 0638z	MFSK-6	(AB)
X06a	11424	12-10	1431	Fri	Sequence: 161616	MFSK-6	(AB)
X06b	17471	5-10	1023	Fri	Sequence: 111666 before E07	MFSK-6	(AB)
X06b	15962	12-10	0642	Fri	Sequence: 111666 before E07	MFSK-6	(AB)
X06b	14538	14-10	1341	Sun	Sequence 111666 before XPA2	MFSK-6	(Dan)
X06b	16338	14-10	1342	Sun	Sequence 111666 before XPA2	MFSK-6	(Dan)
X06b	14538	14-10	1346	Sun	Sequence 111666 before XPA2	MFSK-6	(Dan)
X06b	16338	14-10	1347	Sun	Sequence 111666 before XPA2	MFSK-6	(Dan)
X06b	16114	19-10	1310	Fri	Sequence: 111666 before XPA2	MFSK-6	(Dan/AB)
X06b	17462	19-10	1312	Fri	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	17462	19-10	1315	Fri	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	17462	19-10	1330	Fri	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	18639	22-10	1304	Mon	Mazielka before M12. No MFSK but a carrier that lasts the length of a X06 sequence.	CW	(AB)
X06b	18639	22-10	1312	Mon	Mazielka before M12. No MFSK but a carrier that lasts the length of a X06 sequence.	CW	(AB)
X06b	10139	24-10	1828	Wed	Sequence: 111666	MFSK-6	(Dan)
X06b	10139	24-10	1829	Wed	Sequence: 111666	MFSK-6	(Dan)
X06b	17471	26-10	1046	Fri	Sequence: 111666 before E07	MFSK-6	(AB)

X06b	11464	27-10	0655	Sat	Sequence: 111666 after E07	MFSK-6	(AB)
XPA	13437	2-10	0730	Tue	249 249 249 1 00611 00121 17158 ... 66269 31161 04651	MFSK-20/10Bd	(Danix)
XPA	13437	2-10	0730	Tue	msg	MFSK-20/10Bd	(HFD)
XPA	14972	2-10	0750	Tue	msg	MFSK-20/10Bd	(HFD)
XPA	13437	9-10	0730	Tue	249 249 249 000 09811 00001 00000 35662	MFSK-20/10Bd	(AB)
XPA	14972	9-10	0750	Tue	Transmitter problems. Stopped after a few tones	MFSK-20/10Bd	(AB)
XPA	12167	11-10	0710	Thu	249 249 249 000 07924 00001 00000 37661	MFSK-20/10Bd	(AB)
XPA	13437	11-10	0730	Thu	249 249 249 000 07924 00001 00000 37661	MFSK-20/10Bd	(AB)
XPA	14972	11-10	0750	Thu	249 249 249 000 07924 00001 00000 37661	MFSK-20/10Bd	(AB)
XPA	12167	18-10	0710	Thu	249 249 249 1 00360 00113 01300 ... 79337 86577 07015	MFSK-20/10Bd	(AB)
XPA	13437	18-10	0730	Thu	249 249 249 1 00360 00113 01300 ... 79337 86577 07015	MFSK-20/10Bd	(AB)
XPA	14972	18-10	0750	Thu	249 249 249 1 00360 00113 01300 ... 79337 86577 07015	MFSK-20/10Bd	(AB)
XPA	12167	23-10	0710	Tue	249 249 249 000 07697 00001 00000 37670	MFSK-20/10Bd	(AB)
XPA	13437	23-10	0730	Tue	249 249 249 000 07697 00001 00000 37670	MFSK-20/10Bd	(AB)
XPA	14972	23-10	0750	Tue	249 249 249 000 07697 00001 00000 37670	MFSK-20/10Bd	(AB)
XPA	12167	25-10	0710	Thu	249 249 249 000 01205 00001 00000 34651	MFSK-20/10Bd	(AB)
XPA	13437	25-10	0730	Thu	249 249 249 000 01205 00001 00000 34651	MFSK-20/10Bd	(AB)
XPA	14972	25-10	0750	Thu	249 249 249 000 01205 00001 00000 34651	MFSK-20/10Bd	(AB)
XPA	12167	30-10	0710	Tue	249 249 249 000 05140 00001 00000 31661	MFSK-20/10Bd	(AB)
XPA	13437	30-10	0730	Tue	249 249 249 000 05140 00001 00000 31661	MFSK-20/10Bd	(AB)
XPA	14972	30-10	0750	Tue	249 249 249 000 05140 00001 00000 31661	MFSK-20/10Bd	(AB)
XPA2	12192	1-10	0700	Mon	02830 00151 63674 ... 26784 35730 12315	MFSK-16/20Bd	(AB)
XPA2	13892	1-10	0720	Mon	02830 00151 63674 ... 26784 35730 12315	MFSK-16/20Bd	(AB)
XPA2	14892	1-10	0740	Mon	02830 00151 63674 ... 26784 35730 12315	MFSK-16/20Bd	(AB)
XPA2	16338	2-10	1500	Tue	01340 00001 00000 32655	MFSK-16/20Bd	(AB-ROU/MPJ)
XPA2	16338	2-10	1500	Tue	msg, XPA2m	MFSK-16/20Bd	(HFD)
XPA2	14538	2-10	1520	Tue	msg, XPA2m	MFSK-16/20Bd	(HFD)
XPA2	14538	2-10	1520	Tue	01340 00001 00000 32655	MFSK-16/20Bd	(AB-ROU/MPJ)
XPA2	13538	2-10	1540	Tue	msg, XPA2m	MFSK-16/20Bd	(HFD)
XPA2	13538	2-10	1540	Tue	01340 00001 00000 32655	MFSK-16/20Bd	(AB-ROU/MPJ)
XPA2	12192	3-10	0700	Wed	02830 00151 63674 ... 26784 35730 12315	MFSK-16/20Bd	(AB)
XPA2	13892	3-10	0720	Wed	02830 00151 63674 ... 26784 35730 12315	MFSK-16/20Bd	(AB)
XPA2	14892	3-10	0740	Wed	02830 00151 63674 ... 26784 35730 12315	MFSK-16/20Bd	(AB)
XPA2	17462	5-10	1400	Fri	06423 00001 00000 34660	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	5-10	1420	Fri	06423 00001 00000 34660	MFSK-16/20Bd	(AB/MPJ)
XPA2	14828	5-10	1440	Fri	06423 00001 00000 34660	MFSK-16/20Bd	(AB/MPJ)
XPA2	17438	6-10	0910	Sat	03796 00097 78132 ... 30572 41013 61665	MFSK-16/20Bd	(Priyom)
XPA2	16338	6-10	0930	Sat	03796 00097 78132 ... 30572 41013 61665	MFSK-16/20Bd	(AB)
XPA2	15938	6-10	0950	Sat	03796 00097 78132 ... 30572 41013 61665	MFSK-16/20Bd	(AB)
XPA2	17462	6-10	1400	Sat	msg, XPA2r	MFSK-16/20Bd	(HFD)

XPA2	17462	6-10	1400	Sat	04391 00001 00000 33265	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	16114	6-10	1420	Sat	04391 00001 00000 33265	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	16114	6-10	1420	Sat	msg, XPA2r	MFSK-16/20Bd	(HFD)
XPA2	14828	6-10	1440	Sat	04391 00001 00000 33265	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	14828	6-10	1440	Sat	msg, XPA2r	MFSK-16/20Bd	(HFD)
XPA2	16338	7-10	1500	Sun	02392 00001 00000 33663	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	14538	7-10	1520	Sun	02392 00001 00000 33663	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	13538	7-10	1540	Sun	02392 00001 00000 33663	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	12192	8-10	0700	Mon	04393 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	13892	8-10	0720	Mon	04393 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	14892	8-10	0740	Mon	04393 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	16338	9-10	1500	Tue	00329 00097 90420 ... 10659 01365 32236	MFSK-16/20Bd	(AB/Dan/MPJ/RL)
XPA2	14538	9-10	1520	Tue	00329 00097 90420 ... 10659 01365 32236	MFSK-16/20Bd	(AB/GHn/Dan/MPJ)
XPA2	13538	9-10	1540	Tue	00329 00097 90420 ... 10659 01365 32236	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	12192	10-10	0700	Wed	09701 00001 00000 35261	MFSK-16/20Bd	(AB)
XPA2	13892	10-10	0720	Wed	09701 00001 00000 35261	MFSK-16/20Bd	(AB)
XPA2	14892	10-10	0740	Wed	09701 00001 00000 35261	MFSK-16/20Bd	(AB)
XPA2	17438	11-10	0910	Thu	04803 00001 00000 36654	MFSK-16/20Bd	(AB-AUT)
XPA2	16338	11-10	0930	Thu	04803 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	15938	11-10	0950	Thu	04803 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	17462	12-10	1400	Fri	04378 00109 62861 ... 17688 96469 70030	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	16114	12-10	1420	Fri	04378 00109 62861 ... 17688 96469 70030	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	14828	12-10	1440	Fri	04378 00109 62861 ... 17688 96469 70030	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	17438	13-10	0910	Sat	05780 00001 00000 34665	MFSK-16/20Bd	(AB)
XPA2	16338	13-10	0930	Sat	05780 00001 00000 34665	MFSK-16/20Bd	(AB)
XPA2	15938	13-10	0950	Sat	05780 00001 00000 34655	MFSK-16/20Bd	(AB)
XPA2	17462	13-10	1400	Sat	04378 00109 62861 ... 17688 96469 70030	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	13-10	1420	Sat	04378 00109 62861 ... 17688 96469 70030	MFSK-16/20Bd	(AB/RL/MPJ/MDK2)
XPA2	14828	13-10	1440	Sat	04378 00109 62861 ... 17688 96469 70030	MFSK-16/20Bd	(AB/RL/MPJ/MDK2)
XPA2	16338	14-10	1500	Sun	00329 00097 90420 ... 10659 01365 32236	MFSK-16/20Bd	(AB/RL)
XPA2	14538	14-10	1520	Sun	00329 00097 90420 ... 10659 01365 32236	MFSK-16/20Bd	(AB/RL)
XPA2	13538	14-10	1540	Sun	00329 00097 90420 ... 10659 01365 32236	MFSK-16/20Bd	(AB)
XPA2	12192	15-10	0700	Mon	00458 00173 80188 ... 44120 88202 63457	MFSK-16/20Bd	(AB)
XPA2	13892	15-10	0720	Mon	00458 00173 80188 ... 44120 88202 63457	MFSK-16/20Bd	(AB)
XPA2	14892	15-10	0740	Mon	00458 00173 80188 ... 44120 88202 63457	MFSK-16/20Bd	(AB)
XPA2	16338	16-10	1500	Tue	05389 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	14538	16-10	1520	Tue	05389 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	13538	16-10	1540	Tue	05389 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	12192	17-10	0700	Wed	00458 00173 80188 ... 44120 88202 63457	MFSK-16/20Bd	(AB)
XPA2	13892	17-10	0720	Wed	00458 00173 80188 ... 44120 88202 63457	MFSK-16/20Bd	(AB)

XPA2	14892	17-10	0740	Wed	00458 00173 80188 ... 44120 88202 63457	MFSK-16/20Bd	(AB)
XPA2	17438	18-10	0910	Thu	08601 00113 27447 ... 81743 06239 63536	MFSK-16/20Bd	(AB)
XPA2	16338	18-10	0930	Thu	08601 00113 27447 ... 81743 06239 63536	MFSK-16/20Bd	(AB)
XPA2	15938	18-10	0950	Thu	08601 00113 27447 ... 81743 06239 63536	MFSK-16/20Bd	(AB)
XPA2	17462	19-10	1400	Fri	02254 00001 00000 34257	MFSK-16/20Bd	(Dan/MPJ/MDK2)
XPA2	16114	19-10	1420	Fri	02254 00001 00000 34257	MFSK-16/20Bd	(Dan/MPJ/MDK2)
XPA2	14828	19-10	1440	Fri	02254 00001 00000 34257	MFSK-16/20Bd	(Dan/MPJ/MDK2)
XPA2	17462	20-10	1400	Sat	04090 00001 00000 31265	MFSK-16/20Bd	(MPJ)
XPA2	16114	20-10	1420	Sat	04090 00001 00000 31265	MFSK-16/20Bd	(MPJ)
XPA2	14828	20-10	1440	Sat	04090 00001 00000 31265	MFSK-16/20Bd	(MPJ)
XPA2	13538	21-10	1500	Sun	09669 00001 00000 40667	MFSK-16/20Bd	(MPJ)
XPA2	16338	21-10	1500	Sun	09669 00001 00000 40667	MFSK-16/20Bd	(MPJ/GHn)
XPA2	14538	21-10	1520	Sun	09669 00001 00000 40667	MFSK-16/20Bd	(MPJ)
XPA2	12192	22-10	0700	Mon	msg, XPA2p	MFSK-16/20Bd	(HFD)
XPA2	13892	22-10	0720	Mon	msg, XPA2p	MFSK-16/20Bd	(HFD)
XPA2	14892	22-10	0740	Mon	msg, XPA2p	MFSK-16/20Bd	(HFD)
XPA2	17471	22-10	0910	Mon	02371 00085 13497 ... 64061 18954 54734	MFSK-16/20Bd	(AnEur)
XPA2	16149	22-10	0930	Mon	02371 00085 13497 ... 64061 18954 54734	MFSK-16/20Bd	(AnEur)
XPA2	14406	22-10	0950	Mon	02371 00085 13497 ... 64061 18954 54734	MFSK-16/20Bd	(AnEur)
XPA2	16338	23-10	1500	Tue	00178 00081 45357 ... 85941 40565 21210	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	23-10	1520	Tue	00178 00081 45357 ... 85941 40565 21210	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	23-10	1540	Tue	00178 00081 45357 ... 85941 40565 21210	MFSK-16/20Bd	(AB/MPJ)
XPA2	12192	24-10	0700	Wed	07104 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	13892	24-10	0720	Wed	07104 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	14892	24-10	0740	Wed	07104 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	17471	24-10	0910	Wed	02371 00085 13497 ... 64061 18954 54734	MFSK-16/20Bd	(AB)
XPA2	16149	24-10	0930	Wed	02371 00085 13497 ... 64061 18954 54734	MFSK-16/20Bd	(AB)
XPA2	14406	24-10	0950	Wed	02371 00085 13497 ... 64061 18954 54734	MFSK-16/20Bd	(AB)
XPA2	17438	25-10	0910	Thu	05841 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	16338	25-10	0930	Thu	05841 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	15938	25-10	0950	Thu	05841 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	17462	26-10	1400	Fri	08843 00131 31989 ... 15459 20717 76551	MFSK-16/20Bd	(AB)
XPA2	16114	26-10	1420	Fri	08843 00131 31989 ... 15459 20717 76551	MFSK-16/20Bd	(AB)
XPA2	14828	26-10	1440	Fri	08843 00131 31989 ... 15459 20717 76551	MFSK-16/20Bd	(AB)
XPA2	17438	27-10	0910	Sat	00224 00000 00000 34243	MFSK-16/20Bd	(AB)
XPA2	16338	27-10	0930	Sat	00224 00000 00000 34243	MFSK-16/20Bd	(AB)
XPA2	15938	27-10	0950	Sat	00224 00000 00000 34243	MFSK-16/20Bd	(AB)
XPA2	17462	27-10	1400	Sat	08843 00131 31989 ... 15459 20717 76551	MFSK-16/20Bd	(AB/Dan)
XPA2	16114	27-10	1420	Sat	08843 00131 31989 ... 15459 20717 76551	MFSK-16/20Bd	(AB/Dan/MDK2)
XPA2	14828	27-10	1440	Sat	08843 00131 31989 ... 15459 20717 76551	MFSK-16/20Bd	(AB/Dan)

XPA2	16338	28-10	1500	Sun	00178 00081 45357 ... 85941 40565 21210	MFSK-16/20Bd	(AB)
XPA2	14538	28-10	1520	Sun	00178 00081 45357 ... 85941 40565 21210	MFSK-16/20Bd	(AB)
XPA2	13538	28-10	1540	Sun	00178 00081 45357 ... 85941 40565 21210	MFSK-16/20Bd	(AB)
XPA2	12192	29-10	0700	Mon	00620 00169 45465 ... 95065 26636 03470	MFSK-16/20Bd	(AB)
XPA2	13892	29-10	0720	Mon	00620 00169 45465 ... 95065 26636 03470	MFSK-16/20Bd	(AB)
XPA2	14892	29-10	0740	Mon	00620 00169 45465 ... 95065 26636 03470	MFSK-16/20Bd	(AB)
XPA2	17471	29-10	0910	Mon	09828 00000 00000 41163	MFSK-16/20Bd	(AB)
XPA2	16149	29-10	0930	Mon	09828 00000 00000 41163	MFSK-16/20Bd	(AB)
XPA2	14406	29-10	0950	Mon	Sudden stop at 0951z	MFSK-16/20Bd	(AB)
XPA2	16338	30-10	1500	Tue	08980 00001 00000 35670	MFSK-16/20Bd	(AB/Dan/MPJ/MDK2)
XPA2	14538	30-10	1520	Tue	08980 00001 00000 35670	MFSK-16/20Bd	(AB/Dan/MPJ/MDK2)
XPA2	13538	30-10	1540	Tue	08980 00001 00000 35670	MFSK-16/20Bd	(AB/Dan/MPJ/MDK2/BW3-G)
XPA2	12192	31-10	0700	Wed	00620 00169 45465 ... 95065 26636 03470	MFSK-16/20Bd	(AB)
XPA2	13892	31-10	0720	Wed	00620 00169 45465 ... 95065 26636 03470	MFSK-16/20Bd	(AB)
XPA2	14892	31-10	0740	Wed	00620 00169 45465 ... 95065 26636 03470	MFSK-16/20Bd	(AB)
XPA2	17471	31-10	0910	Wed	01699 00001 00000 40662	MFSK-16/20Bd	(AB)
XPA2	16149	31-10	0930	Wed	01699 00001 00000 40662	MFSK-16/20Bd	(AB)
XPA2	14406	31-10	0950	Wed	01699 00001 00000 40662	MFSK-16/20Bd	(AB)
XSL	4153	2-10	1159	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	2-10	1159	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	2-10	1159	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	2-10	1159	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	2-10	1159	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	2-10	1159	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	2-10	1159	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	2-10	1159	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8703.5	2-10	1159	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

CONTRIBUTORS

Thanks to all contributors. I hope that I didn't forget anyone

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AB-EST	Ary Boender via remote rx Estonia	HFD-J	Hans-Friedrich Dumrese via remote rx Japan
AB-G	Ary Boender via remote rx UK	HK	Hiroyuki Komatsubara, Japan
AB-GRC	Ary Boender via remote rx Greece	JPL	JPL, NB, Canada (and various remote rx)
AB-HNG	Ary Boender via remote rx Hungary	JPL-CHN	JPL via remote rx China
AB-J	Ary Boender via remote rx Japan	JPL-J	JPL via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea	JPL-Sib	JPL via remote rx Siberia
AB-NZL	Ary Boender via remote rx New Zealand	JU	Jay Updike, W. Europe
AB-POL	Ary Boender via remote rx Poland	MDK2	MDK2, USA
AB-QAT	Ary Boender via remote rx Qatar	MPJ	Jim, SW England
AB-ROU	Ary Boender via remote rx Romania	MPJ-AUT	Jim via remote rx Austria
AB-USA	Ary Boender via remote rx USA	MPJ-GRV	Jim via remote rx Greece
AnEur	Anonymous Europe	MPJ-HOL	Jim via remote rx Netherlands
Avare	Avare, Russia	MPJ-I	Jim via remote rx Italy
BW3	Barry Williams, AL, USA	MPJ-POL	Jim via remote rx Poland
BW3-D	Barry Williams via remote rx Germany	MPJ-RUS	Jim via remote rx Russia
BW3-G	Barry Williams via remote rx UK	Phi	Philby
BW3-J	Barry Williams via remote rx Japan	Priyom	Priyom.org
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CM2-USA	Chris Malboef via remote rx USA	RL	Roberto Landolpho, Brazil
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Danix-RUS	Danix via remote rx Russia	SDX	Sat Dxer
Danix-USA	Danix via remote rx USA	skx	skeezix, MN, USA
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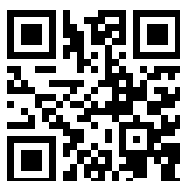
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