

6	27364	92836	09428	01208	14982	46498	32764	31277	
86	40932	70987	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	98670	27601	56701	57601	73648	1
791	87364	87265	96710	27630	12673	84769	28743	98127	7
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	43
243	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	4
99	98798	98754	98754	98754	98754	29867	67543	67986	9
6	87698	69876	87698	69876	87612	12341	34867	86798	6
7	43298	65656	56756	56123	32143	14321	32143	14321	31
797	58767	76587	58765	76587	58765	76587	58765	76587	58

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #261, June 2019

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

June was a quiet month. Even on UDXF. We never received so few messages. Still we have almost 2000 logs, many of them come from Gwraspe who logged a lot of Russian exercise traffic. Thanks for that.

MDK2 sent us his final HM01 report. See the HM01 section for details.

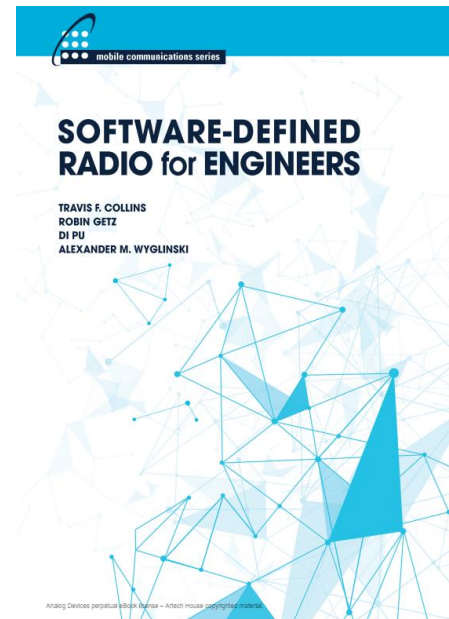
Priyom added a new designator to the F03 tree: F03k: FSK-2 400Bd/800Hz ACF 896.

Your contributions (articles, logs, intelligence related news, etc.) are most welcome. Don't hesitate to send them to me directly or post them on UDXF.

If you are interested in the technical side of Software Defined Radios, this book might be of interest for you

<https://www.analog.com/media/en/training-seminars/design-handbooks/Software-Defined-Radio-for-Engineers-2018/SDR4Engineers.pdf>

I hope that you will enjoy N&O #261.



VOICE STATIONS

E06

13985/15830 kHz, 20-06/21-06, 0500/0600 UTC

328 694 51
49342 45929 55658 47096 87324 74000 11730 30531 42445 52110
78774 68078 40908 93675 10875 40080 09117 29125 27236 52897
05504 58796 45435 48882 89173 89914 35077 18414 98809 24847
27796 93661 40258 92809 44544 28783 06255 42218 26107 96229
76708 35871 77771 53856 72991 16160 64094 62513 64675 32472
14711
694 51 00000

5935 kHz, 20-06, 2030 UTC

724 947 42
58375 38195 96930 68273 72375 23572 92358 23653 29359 23659
12345 23582 23692 60232 23658 23689 13245 23682 03956 68722
69382 23765 83726 96874 27165 65736 43837 34572 28716 65896
23876 26372 90684 96844 27252 13945 76845 94038 37265 57693
48690 03856
947 42 00000

5731 kHz, 21-06, 2130 UTC

315 947 42
58375 38195 96930 68273 72375 23572 92358 23653 29359 23659
12345 23582 23692 60232 23658 23689 13245 23682 03956 68722
69382 23765 83726 96874 27165 65736 43837 34572 28716 65896
23876 26372 90684 96844 27252 13945 76845 94038 37265 57693
48690 03856
947 42 00000

16328/14828/13428 kHz, 02-06/05-06/09-06/12-06, 1700/1720/1740 UTC

354 354 354 1 6883 156 6883 156
29156 39670 29528 63804 90998 20460 15108 70592 94692 21227
28523 80568 71488 32104 21470 57257 89982 68696 27196 72683
46380 23659 22615 67640 89044 70027 08457 93902 20315 60349
57179 91561 61761 09438 74363 88337 76082 22301 03409 92022
29843 95660 21213 33389 75320 60385 69743 76164 96081 26373
28584 54129 61786 80265 40478 85151 44752 33820 10191 55974
53770 86037 48974 26684 11146 42639 43779 23571 85415 66418
75031 42951 50783 56237 94944 87888 55175 15178 76215 34918
15968 42977 68793 99368 28736 95575 27529 16582 45346 41321
81553 16272 37246 23018 14202 01333 85860 88160 99399 47235
85934 59605 58653 21514 08535 26794 26797 60087 51933 40387
01264 99186 56756 54391 85333 93154 94047 73551 53746 12054
21783 09942 85045 81229 24788 22637 28759 56401 06737 28240
95458 50927 93659 47171 90201 36525 53242 47751 90409 63727
84778 54367 38113 39217 85292 23993 15485 47198 50720 13557
62210 45713 62872 00859 68264 08936 000 000

16328/14828/13428 kHz, 03-06/05-06/10-06/12-06/17-06/19-06, 1900/1920/1940 UTC

384 384 384 1 253 64 253 64
72595 38519 33380 15302 96481 76793 88918 03035 88015 07623
72555 49559 42739 24997 19984 90309 94333 37980 58838 54260
44563 21674 89151 04037 64828 76985 66589 44996 63399 60738
92073 22443 15740 60015 02036 50759 70949 55369 42429 53830
79596 82391 95480 73740 35666 48587 54483 60063 36690 42569
09922 51668 88979 03947 37358 19497 32569 20962 29091 56544
60826 24959 35318 79283 000 000

9064/10264/11464 kHz, 09-06/13-06/16-06, 1300/1320/1340 UTC**9064/10264/11464 kHz, 15-06/16-06, 0600/0620/0640 UTC**

024 024 024 1 131 19 131 19
47672 87025 54000 34605 84777 40952 41701 05854 41884 70683
74077 90681 62021 47336 82474 35624 76737 86218 06116 000 000

18637/17437/15837 kHz, 18-06/21-06, 1100/1120/1140 UTC

648 648 648 1 277 102 277 102
23451 41947 24373 66531 79114 81935 77921 37050 10685 95552
55902 04310 41838 25181 54149 52430 01337 83362 22136 00636
44185 71567 82432 94915 91352 49681 90837 17890 80439 22959
41454 35927 16074 20020 92919 23483 62364 14514 81927 93191
70754 98859 42753 30795 12644 88548 32970 66222 03489 37695
13385 68605 54543 27465 17289 90436 73754 96806 21228 76303
84077 94092 99920 16354 81460 51814 00513 83682 15380 96423
35621 13775 74248 97922 25820 07233 91881 94388 60882 41313
50735 17781 23699 57061 26568 98414 08517 31814 65346 69138
14484 09557 25273 27468 78235 01333 73290 01042 54924 03758
03117 87504 000 000

16331/18731/19331 kHz, 21-06, 0700/0720/0740 UTC

373 373 373 1 178 58 178 58
66316 84834 67600 96901 14569 02398 08450 11791 97047 69591
58686 95940 79125 74782 79124 60624 75322 78821 04774 74727
27670 61698 50221 04805 84947 63109 88053 03312 07196 39196
58538 96917 65419 25029 47724 24192 88151 17407 46585 05378
46969 87742 42611 04860 13502 20349 78898 11233 49401 97959
87623 84868 08684 39910 88135 32943 91116 27637 000 000

13368/11568/10468 kHz, 23-06/26-06, 1700/1720/1740 UTC

354 354 354 1 263 130 263 130

50437 91586 30910 57421 99890 79267 37701 24821 21641 90972
99741 38370 04558 06297 66955 31038 77608 78384 65596 71255
50453 30676 95316 03893 74488 72876 63865 22948 34217 92291
20280 69338 23122 57520 43965 20218 38144 63230 49308 51713
89540 21374 65580 05400 08451 52198 38889 74236 73312 19968
70705 37966 12020 93937 87691 21827 23093 41883 74253 76780
06959 71452 79908 65801 53958 83909 75356 67141 82492 18050
29044 85765 08627 83960 40221 42288 99276 48993 71091 30314
82553 21256 41784 50601 19743 47380 10594 52591 85675 26672
78306 74220 30150 46427 13615 98349 03801 80922 58739 28089
93126 83013 02312 99984 11579 08864 51978 96268 48177 41968
76307 83692 74380 31254 71717 68148 92082 45285 33815 73569
96773 27806 42033 96229 09273 38208 07506 25581 63754 48073
000 000

13368/11568/10468 kHz, 30-06, 1700/1720/1740 UTC

354 354 354 1 5700 60 5700 60

02140 00129 99359 61937 24156 25010 48827 26223 03353 43956
40159 19105 71316 78924 62072 21989 42468 92986 39320 49918
30369 58532 73174 92784 98927 56001 78042 71940 33863 12884
48893 47274 04678 79926 95444 36339 63453 21179 62275 81392
44743 08684 24085 75232 26564 97726 82760 99245 80639 41007
63570 01501 18917 88698 07115 08723 04144 41643 68358 20365
000 000

E11a

12630 kHz, 04-06, 1925 UTC

556/34 Attention

84613 19568 60812 49440 20979 78254 00714 17269 91422 53088
70019 45787 73122 81105 00660 09352 02668 78239 44738 81364
73056 59844 34638 85926 05413 30425 22144 86781 21402 47739
77947 36532 62729 33311

Attention (message repeated) Out

10356 kHz, 06-06, 1530 UTC

264/37 Attention

87294 23247 63291 68714 74494 45506 00565 98616 95254 16947
06275 51259 13877 15474 36159 93716 30644 50395 49951 70237
12951 92852 31312 14536 81873 66066 13800 74020 28192 71127
46380 21974 45888 33508 47784 71877 21563

Attention (message repeated) Out

5409 kHz, 10-06/14-06, 1530 UTC

525/34 Attention

55398 40359 83903 76886 52746 11095 86760 22839 73936 25351
79030 12304 06190 63330 59422 72246 59168 87818 01531 86568
92883 00873 46465 44366 09141 73954 97116 24853 25821 18817
83070 78828 09804 21518

Attention (message repeated) Out

14575 kHz, 11-06/13-06, 1645 UTC

332/36 Attention

78228 66487 69644 95815 55484 13358 16303 48688 38159 63605
31327 71359 85238 64288 39145 03555 98918 76602 85878 04677
61777 44953 28766 81921 39904 96122 66262 76001 33136 70758
95796 19247 55122 84093 35089 17384

Attention (message repeated) Out

8545 kHz, 10-06/12-06, 1045 UTC

696/39 Attention

15090 57930 00620 41606 77619 96478 14819 50045 29876 31549
83356 79422 51794 73257 50738 57144 63044 10047 29735 93139
28609 34638 65178 59211 47941 11721 88387 30874 82601 34280
34112 38836 64846 25351 01358 73133 54921 16491 67348

Attention (message repeated) Out

7863 kHz, 12-06/16-06, 1625 UTC

970/38 Attention

84594 47708 86569 69142 40814 98711 19838 75784 64481 34447
37253 61486 70330 53711 45561 59495 13478 90823 32002 60085
75741 58038 16797 77388 65579 19556 50805 83217 47426 33778
88748 68837 07655 17484 59537 31689 55340 86458

Attention (message repeated) Out

4783 kHz, 12-06/15-06, 1705 UTC

392/39 Attention

14490 98680 93390 06456 86855 66446 06382 08212 81793 23236
43084 96724 31158 48471 46206 68816 31583 90326 95323 92984
72858 91175 53989 34558 38995 80775 06147 61084 28277 92720
91618 52049 33895 31442 65952 59087 20022 45564 05097

Attention (message repeated) Out

14410 kHz, 17-06/23-06, 1745 UTC

248/35 Attention

74739 17573 06910 93483 71313 09313 43388 79584 29523 19462
31647 81186 14160 47673 62259 72125 11111 95965 64464 76511
63264 98428 87733 69440 55174 94381 67952 00703 06362 99047
48980 88081 53951 13730 06076

Attention (message repeated) Out

7600 kHz, 17-06/20-06, 1900 UTC

647/34 Attention

33556 12150 73677 38381 64062 24269 92371 82115 98207 09010
53306 05614 58041 61999 79152 19001 82590 22780 45949 75308
72387 89686 89881 92760 34084 88786 94565 54421 46089 20926
89820 12225 92545 95317

Attention (message repeated) Out

10429 kHz, 18-06, 0715 UTC

636/31 Attention

26884 11587 43414 44892 48898 16152 18430 05809 85644 20569
96842 85694 16084 69855 71387 35933 38178 14480 04450 56445
28480 53759 52785 90866 68014 23107 20838 76525 49763 00457
51635

Attention (message repeated) Out

12153 kHz, 18-06, 0845 UTC

155/30 Attention

37679 35048 54367 20730 23970 18232 35357 75619 06890 67736
47052 19808 10384 39825 26315 22953 65714 97519 21797 57582
48252 97577 29782 17894 75918 69792 82470 95956 91471 74899

Attention (message repeated) Out

7984 kHz, 19-06/22-06, 1730 UTC

402/32 Attention

96549 35317 28527 18610 19298 42034 93706 97963 68849 43106
64430 75780 88564 34826 23081 09931 74333 38391 28790 87458
27124 51440 92068 64109 89593 67952 46251 27133 68710 75813
73344 73450

Attention (message repeated) Out

13424 kHz. 20-06, 0645 UTC

512/33 Attention

30948 58251 85134 59094 59496 08763 35345 13815 83373 54938
73104 39456 97346 65183 29458 19495 55202 03215 08182 25326
48665 60074 21139 36502 20992 72427 79594 56536 93426 86697
24651 22716 07173

Attention (message repeated) Out

6849 kHz, 21-06, 0435 kHz

350/35 Attention

96529 67193 41048 52789 30983 61885 69344 01187 25573 02660
96090 22364 82626 35713 22985 23694 88513 54903 68410 90953
89604 33579 67657 02721 68752 73146 00064 22632 44178 04919
00295 61582 89293 28932 74645

Attention (message repeated) Out

8680 kHz, 21-06, 0700 UTC

574/33 Attention

61585 59092 24981 72100 57685 51818 36943 55977 45430 03928
14582 05443 15673 37810 42108 01710 89878 84753 48346 45988
52212 91349 81828 22957 25810 90452 74046 92953 21450 86753
84528 70773 32976

Attention (message repeated) Out

6480 kHz, 22-06/23-07, 0710 UTC

490/33 Attention

99683 48836 74383 93598 60885 88141 20327 98109 07626 65720
80372 18900 75546 74922 93131 27675 42753 31790 83275 10037
14150 09908 26498 86845 26703 05605 76738 33663 18000 26637
21054 95331 98003

Attention (message repeated) Out

5082 kHz, 22-06/23-06, 1930 UTC

363/33 Attention

84513 41110 86584 83470 32149 63739 95732 35482 47856 18012
04873 99754 36671 68934 93792 80266 84387 98776 87077 78525
24335 00191 36938 74541 40914 74935 23189 40606 05690 19375
95839 80217 92051

Attention (message repeated) Out

7469 kHz, 24-06, 0450 UTC

8088 kHz, 27-06, 1730 UTC

418/30 Attention

71710 71464 79017 46900 93905 03009 93620 27451 27788 29922
26064 48975 42730 58745 32389 19274 25962 99977 64360 93295
87943 81374 37910 66787 37811 00492 63969 74773 59030 43760

Attention (message repeated) Out

7439 kHz, 24-06/26-06, 0900 UTC

533/32 Attention

31819 45307 53205 57910 50824 49834 24912 00466 97889 05637
11430 17228 55370 31221 13428 85809 13143 58044 04723 29282
86427 00205 55141 71949 12129 28268 85271 95027 68870 49892
26962 49292

Attention (message repeated) Out

15800 kHz, 26-06, 0640 UTC

940/24 Attention

57932 88231 54603 72712 99990 77361 52479 11377 03350 36633
34851 06529 52728 84698 25745 28990 67824 64252 20288 50870
72857 27676 86509 24604

Attention (message repeated) Out

9610 kHz, 28-06/30-06, 1910 UTC

610/35 Attention

93529 30019 54504 55545 24841 24412 97125 83147 85438 01136
26599 03503 17234 78446 55144 07410 61438 50832 53826 34963
34481 34010 01738 26914 17979 58546 19806 46719 27816 34709
37022 22744 88585 60227 42790

Attention (message repeated) Out

5737 kHz, 29-06, 0805 UTC

319/34 Attention

63598 05203 19029 27636 62162 95695 70334 95388 75376 98523
82208 22552 30074 23227 05282 71249 46770 32624 10966 82105
03624 99954 46057 00766 24009 49438 73735 84697 87153 53774
45254 75237 84215 19429

Attention (message repeated) Out

E17z

Several S06s transmissions, plus E17z, were transmitted from the same transmitter. All sent on their original frequency + 1 kHz and had a distorted sound in USB. The audio was good in AM. Only the upper side band was used.

16781 kHz, 13-06, 0800 UTC

674 908 5 01405 15003 24357 60583 54545 908 5 00000

12581 kHz, 13-06, 0810 UTC

674 908 5 01405 15003 24357 60583 54545 908 5 00000

16781 kHz, 20-06, 0800 UTC

674 291 5 40639 33180 48007 37230 46446 291 5 00000

12581 kHz, 20-06, 0810 UTC

674 291 5 40639 33180 48007 37230 46446 291 5 00000

No transmissions found on 27-06.

G06

6887 kHz, 13-06, 1830 UTC

842 973 48

90874 56432 12456 78907 62345 75136 98746 20036 94851 47563
87547 21465 97549 79431 34727 56464 42134 67975 45703 06161
13464 97313 45457 23134 64790 90943 20246 46464 15454 54413
24124 17946 74562 47563 20021 06516 25761 62357 65419 47234
12334 12341 32566 77897 78574 56546 45442 45678
973 48 000 000

5937 kHz, 14-06, 1930 UTC

218 973 48

90874 56432 12456 78907 62345 75136 98746 20036 94851 47563
87547 21465 97549 79431 34727 56464 42134 67975 45703 06161
13464 97313 45457 23134 64790 90943 20246 46464 15454 54413
24124 17946 74562 47563 20021 06516 25761 62357 65419 47234
12334 12341 32566 77897 78574 56546 45442 45678
973 48 000 000

Windows shut down sound

6887 kHz, 27-06, 1830 UTC

842 968 43

43057 32409 32495 08950 27489 34751 98532 02935 28472 28402
32845 03285 89802 08245 98562 08025 08265 65832 94726 74832
28490 92940 23856 24582 95832 84595 92053 85462 82659 45367
28750 08673 74624 87902 84375 89320 65244 33225 26583 82874
29384 88773 36125
968 43 00000

Windows shut down sound

5935 kHz, 28-06, 1930 UTC

218 968 43

43057 32409 32495 08950 27489 34751 98532 02935 28472 28402
32845 03285 89802 08245 98562 08025 08265 65832 94726 74832
28490 92940 23856 24582 95832 84595 92053 85462 82659 45367
28750 08673 74624 87902 84375 89320 65244 33225 26583 82874
29384 88773 36125
968 43 00000

Windows sound

21

Windows shut down sound

S06

16022/13925 kHz, 20-06/21-06, 0830/0930 UTC

842 135 40

37697 88678 55775 37009 20859 98289 50097 26179 85675 72967
55257 04884 13935 39002 64503 23318 51406 74244 87076 02665
53882 82045 36683 71196 36439 81315 00533 03215 36858 67385
62374 27997 29146 23349 77986 00963 48088 86584 26531 54226
135 40 00000

16022/13925 kHz, 27-06, 0830/0930 UTC

842 609 47

45556 16545 66242 36378 59672 86119 27747 05322 77798 75346
24569 31443 61343 72099 75253 78344 57680 35095 57636 31467
50336 38589 01072 02992 02250 82401 05327 70044 65528 34469
22065 25885 56150 98095 59873 48771 17043 21102 98755 18191
17984 89060 25040 33140 65744 69792 22631
609 47 00000

S06s**Oddities**

The following transmissions, plus E17z, were transmitted from the same transmitter. All sent on their original frequency + 1 kHz and had a distorted sound in USB. The audio was good in AM. Only the upper side band was used.

16381 kHz, 17-06/24-06, 0900 UTC

Should be on 16380 kHz.

872 431 5 12444 31625 89531 52814 95931 431 5 00000

14836 kHz, 17-06/24-06, 0910 UTC

Should be on 14535 kHz.

872 431 5 12444 31625 89531 52814 95931 431 5 00000

9256 kHz, 20-06, 0930 UTC

Should be on 9255 kHz.

314 298 5 37218 30440 35401 34072 83030 298 5 00000

10326 kHz, 20-06, 0940 UTC

Should be on 10325 kHz.

314 298 5 37218 30440 35401 34072 83030 298 5 00000

14374 kHz, 25-06, 0800 UTC. Should be on 14373 kHz.

352 470 6 62795 74228 56551 44999 47773 55580 470 6 00000

12396 kHz, 25-06, 0810 UTC. Should be on 12395 kHz.

352 470 6 62795 74228 56551 44999 47773 55580 470 6 00000

S11a**11092 kHz, 12-06/15-06, 1540 UTC**

564/39 Vnimaniye

83377 46094 58904 23211 12105 11879 41788 51909 47981 07561
64439 69405 17936 09688 91523 32619 15692 13942 22394 90601
76790 72102 85235 37265 07495 04549 57438 29169 15373 68260
26051 37617 90268 13265 62275 65375 98244 35693 91693

Vnimaniye (message repeated) Konets

12457 kHz, 12-06/15-06, 1850 UTC

288/31 Vnimaniye

26153 12304 95678 76765 92752 87512 67719 94780 20504 17909
31364 92200 65275 82764 23229 03096 71279 79061 50017 96422
99823 25479 61349 68041 48224 69698 64883 60657 13993 76805
39332

Vnimaniye (message repeated) Konets

6977 kHz, 14-06, 1020 UTC

425/40 Vnimaliye

86660 70317 08075 56342 18473 27862 33850 76884 79718 61604
 00929 38460 79785 33673 24332 84972 46057 41235 76419 96505
 03933 57564 00706 62119 94680 59228 97658 50108 30249 83490
 25107 60558 18731 46353 96169 67537 03319 75567 42497 35291

Vnimaliye (message repeated) Konets

5082 kHz, 24-06/28-06, 0915 UTC

483/33 Vnimaliye

40807 40170 03747 79676 67489 06984 85491 44761 94271 06375
 02911 27897 63183 23999 78965 79845 48205 94723 17766 15070
 61886 39766 46427 47027 68032 33738 24805 49027 94089 98318
 07562 08025 32576

Vnimaliye (message repeated) Konets

10210 kHz, 24-06/27-06, 1020 UTC

477/37 Vnimaliye

12696 57849 26755 90828 86082 65550 09074 16821 20168 47932
 20094 72612 05641 24585 74174 94074 83394 54716 55114 96251
 35561 87314 09546 77436 11860 39819 72038 64271 24808 27469
 16318 18239 81596 99421 52813 95523 43422

Vnimaliye (message repeated) Konets

V15 via PBS Pyongyang Pansong**3320//6400 kHz, 22-07, 1445 UTC**

North Korean intelligence via PBS Pyongyang Pansong. Message in Korean

MORSE STATIONS**M01****6435 kHz, 01-06, 1500 UTC**

025 731 731 = 30 30 = =

56947 46533 34563 03153 96045 78620 86470 61170 04076 04638
 52333 32605 85742 58683 98124 55245 59518 38362 66079 20390
 46029 91467 98866 72521 42573 74386 43681 99679 37135 04017
 = 731 731 = 30 30 000

6780 kHz, 02-06, 0700 UTC. Errors

025 752 752 30 30 = =

45124 30623 78649 74242 89290 24182 80536 5253Z 85017 48739
 28957 73229 29837 26566 37560 69835 43695 28235 91699 26114
 32813 99322 50716 49670 10253 13798 23995 58150 951199557
 752 752 30 30 000

5820 kHz, 11-06, 1800 UTC

025 074 074 30 30 = =

97293 87939 88235 97602 93706 34100 65434 90490 00735 15927
 15927 86861 25594 74045 53015 37324 34324 67958 11911 88342
 38253 28562 49004 64522 53355 16994 52877 06072 54124 73922
 = = 074 0740 30 30 000

6780 kHz, 16-06, 0700 UTC

025 210 210 30 30 = =
 89740 99050 05251 54008 39972 00951 97679 13116 82714 65745
 47639 17946 68657 07168 61588 56766 06333 45120 62625 53632
 07296 11726 79410 87337 39290 45490 23444 79284 25788 03715
 = = 210 210 30 30 000

4905 kHz, 18-06, 2000 UTC

025 391 391 30 30 = =
 16460 95985 53599 46352 16266 32739 80039 31207 42671 17536
 19679 57484 63414 26244 21542 11717 79490 94636 82084 91273
 85825 67982 54554 25162 09062 02916 19658 72568 01740 97077
 = = 391 391 30 30 000

5820 kHz, 20-06, 1800 UTC

025 351 351 30 30 = =
 81482 07240 48003 32928 87482 80221 11144 54873 51479 23541
 02787 58470 02248 15391 88498 19022 39049 57857 13759 56996
 08165 09577 48530 32601 24000 99387 51611 35073 81233 97273
 = = 351 351 30 30 000

4905 kHz, 20-06, 2000 UTC

025 809 809 30 30 = =
 61758 66005 24235 51007 68233 63170 81489 23875 04128 09190
 50131 74226 49988 24560 55132 90229 08794 20131 39260 60548
 38734 78137 36691 39765 14584 22955 62261 92386 27215 25359
 = = 809 809 30 30 000

6435 kHz, 22-06, 1500 UTC**Errors. Different repeat between brackets**

025 219 219 30 30 / /
 60253 (20253) 66540 22214 18713 04889 84934 62396 73326 47199 07328
 93763 57609 20000 70940 16322 73559 80802 05954 74362 19717
 41056 76860 82941 77098 15819 33516 8844 09131 61436 39290
 / / 219 219 30 30 000

6780 kHz, 23-06, 0700 UTC

025 793 793 30 30 = =
 54103 32316 35827 85998 75284 13823 61528 75701 07066 35707
 96173 16204 86913 82106 38553 17663 24270 18639 29819 71689
 70974 12535 22431 18548 04400 61027 40049 54240 18964 41266
 = = = 793 793 30 30 000

5820 kHz, 25-06, 1800 UTC**Errors. Different repeat between brackets**

025 258 258 30 30 = = = =
 .0809 6.67. (61671) 57920 52070 88970 67949 49885 15037 48532 83874
 11002 13718 06678 32697 94235 46827 03067 31496 73435 83679
 93558 19189 25755 39334 13847 91268 13870 20489 53367 14414
 = = = 258 258 30 30 000

4905 kHz, 25-06, 2000 UTC**Errors. Different repeat between brackets**

025 372 372 30 30 = =
 22790 35489 86177 71162 41880 94750 92449 94128 77163 61180
 23459 65578 16247 (12682) 99482 80426 00277 05546 74633 84741 48704
 58124 02173 43920 74768 90662 46969 60796 32614 13496 24225
 = = 372 372 30 30 000

6780 kHz, 30-06, 0700 UTC

025 125 125 30 30 = =

81589 45952 04409 16834 81624 69186 55734 64537 14526 41263

03919 57778 95317 67682 56202 60542 19075 36389 46716 69824

68988 20332 94300 70802 59921 66628 31851 74044 25525 47997

= = 125 125 30 30 000

M01b**5125//5735 kHz, 03-06/10-6/17-06/24-06, 1810 UTC**

364 367 33

72762 35906 29332 19505 92200 14107 48924 79149 14762 99184

04910 40433 01580 00822 71264 00665 62017 35840 51057 47417

43719 51569 53061 46975 28538 78991 45860 21753 93197 98315

75071 51341 57133

367 33 000

5150//5475 kHz, 03-06/10-06/17-06/24-06, 1915 UTC

858 367 33

72762 35906 29332 19505 92200 14107 48924 79149 14762 99184

04910 40433 01580 00822 71264 00665 62017 35840 51057 47417

43719 51569 53061 46975 28538 78991 45860 21753 93197 98315

75071 51341 57133

367 33 000

5075//5465 kHz, 07-06/14-06/21-06/28-06, 1902 UTC

336 367 33

72762 35906 29332 19505 92200 14107 48924 79149 14762 99184

04910 40433 01580 00822 71264 00665 62017 35840 51057 47417

43719 51569 53061 46975 28538 78991 45860 21753 93197 98315

75071 51341 57133

367 33 000

5095/5760 kHz, 13-06/20-06/27-06, 1830 UTC

815 367 33

72762 35906 29332 19505 92200 14107 48924 79149 14762 99184

04910 40433 01580 00822 71264 00665 62017 35840 51057 47417

43719 51569 53061 46975 28538 78991 45860 21753 93197 98315

75071 51341 57133

367 33 000

5065//5805 kHz, 20-06/27-06, 1940 UTC

936 367 33

72762 35906 29332 19505 92200 14107 48924 79149 14762 99184

04910 40433 01580 00822 71264 00665 62017 35840 51057 47417

43719 51569 53061 46975 28538 78991 45860 21753 93197 98315

75071 51341 57133

367 33 000

4895//5340 kHz, 21-06/28-06, 2010 UTC

467 367 33

72762 35906 29332 19505 92200 14107 48924 79149 14762 99184

04910 40433 01580 00822 71264 00665 62017 35840 51057 47417

43719 51569 53061 46975 28538 78991 45860 21753 93197 98315

75071 51341 57133

367 33 000

8047/6802/5788 kHz, 01-06, 2000/2020/2040 UTC

463 463 463 1 5184 95 5184 95
62278 16924 51584 56426 45340 32542 61937 25804 12349 94221
62238 07120 19361 58221 00542 82843 47429 71327 53733 62716
52750 59869 13290 79294 07326 90523 79656 18172 98249 72949
48395 76233 02399 21449 41622 52363 19522 12195 42546 60948
13136 64692 52043 28327 50652 07900 09445 60619 78735 80906
21438 31469 40043 80733 83028 50704 39981 12878 27595 75743
02979 50246 02566 28262 79009 84537 12915 28848 42609 03033
81726 99939 66890 71400 71420 66642 42244 39962 30052 55129
78215 88152 35677 36076 41913 02359 38960 26617 40444 40830
41471 84791 30203 47101 92232 000 000

16117/14717/13417 kHz, 03-06/05-06/10-06/12-06, 1400/1420/1440 UTC

174 174 174 1 5130 245 5130 245
83390 72839 05121 39879 56662 43096 81153 22537 36970 49983
51002 14712 56518 35386 69801 89411 08474 55024 83208 53721
48569 70073 79431 85540 14621 90403 26443 72883 55420 93336
77294 38336 39247 88105 67656 28957 82795 07605 61125 87447
88504 62130 76292 37364 70860 71286 68725 27362 66296 91700
88611 63168 68624 99083 93351 92039 77962 15636 49715 08256
72970 60447 45936 37802 04479 86203 35938 89051 95179 51132
34132 44875 33852 22119 48614 36807 23817 26345 34166 32260
42650 29285 36354 73315 24074 20790 82105 82374 68192 57717
03608 63719 56165 49137 80857 87113 36107 27810 50606 67843
13496 02551 89045 62831 54297 32361 19766 53534 57789 65330
31590 07441 79460 78301 25477 50321 15234 43054 62797 73097
16950 06240 16940 78496 26010 64686 50472 39363 85833 63346
00528 34221 47308 10147 55912 22146 70203 20412 69639 04265
40103 60968 33309 31224 83355 82922 74502 11958 31205 89028
22587 79986 89784 01400 52379 78644 48213 14624 25478 52999
04903 80484 89707 02021 70124 49669 89538 92673 61632 40798
67014 14282 82537 84099 68660 48554 31850 46493 72354 35599
26577 15259 79894 48581 18490 97743 19491 84058 26522 34996
44167 85366 53983 98221 48336 38450 52010 57504 86848 20877
18420 08863 51395 92950 47607 29626 49462 58627 33737 64363
28327 71263 91989 77659 90227 88315 25084 67059 87094 28886
18292 29827 91902 13565 55407 47782 10557 18146 93008 49906
87085 06229 06630 09724 63782 17354 92748 96601 08179 36781
15960 09007 25537 64478 23002 000 000

10343/9264/8116 kHz, 03-06, 2000/2020/2040 UTC

124 124 124 1 9057 106 9057 106
00458 41819 86466 78155 03960 03662 07136 55105 15962 10375
71772 96206 55620 91921 20424 18616 21936 73748 10276 16183
90105 67574 01226 60610 07227 95680 37345 30329 25129 52249
52051 99004 35468 32383 27268 76151 61782 30984 53170 76702
44321 13810 03447 90430 80643 95985 81869 23975 99168 06508
83066 54683 59663 10681 18988 40768 22808 62471 73284 81359
49195 48593 81854 01703 11030 19610 76395 85460 16177 01016
98244 20770 42090 32864 32383 86932 09756 37153 73456 11717
04708 72858 55006 56561 19262 59939 06465 00746 37291 05807
83606 72283 11610 07573 42031 30271 46130 52860 97477 96641
74741 18844 24674 44163 60350 85009 000 000

11435/10587/9327 kHz, 03-06, 1710/1730/1750 UTC

938 938 938 1 5828 105 5828 105
31700 67257 79078 25662 60152 41005 18504 48671 44616 48291
69370 04510 00377 07786 18034 27932 30296 66394 70955 17464
11366 90938 50602 76569 81753 25744 22814 83716 09468 04017
66461 73884 50996 78295 93558 67125 92248 61408 17210 58803
37439 83561 71393 19349 51241 12973 95836 58140 12210 41893
51387 39367 04876 93389 79875 82166 79840 99999 45879 28023
29852 97043 86904 52039 68010 02328 20229 09100 05370 85680
91737 72106 15123 99830 36034 48786 55047 36226 49600 01044
41613 01675 02664 75962 62878 62376 81259 40047 92036 22370
55368 99808 25010 36963 65890 19910 24799 07599 63209 92487
92511 54030 86794 62057 25825 000 000

12162/11566/10711 kHz, 05-06, 1710/1730/1750 UTC

546 546 546 1 5195 108 5195 108
38620 62613 15916 05333 24493 38663 70974 93389 02017 44813
27633 78411 56985 13713 95596 79830 65217 06682 02519 19863
73065 47883 91955 33976 22245 21711 91477 26001 92712 29599
46769 82991 55507 70452 33310 29451 87607 09333 50739 36378
29073 79427 59035 02231 55536 96406 07264 98125 99355 47000
58710 80348 18474 66181 97459 75565 10069 95229 80061 68233
63659 98380 75083 00429 18434 71020 01126 86967 30690 18207
82241 51114 18224 48919 54529 61105 03558 85303 29420 26461
98723 62172 40779 21570 46849 46125 75705 70213 39138 03734
06223 75040 35199 14411 62715 16639 76818 87110 86130 80940
19451 52857 58685 25335 88228 06122 60988 54066 000 000

11144/10544/9344 kHz, 07-06/08-06/14-06/15-06, 2100/2120/2140 UTC

153 153 153 1 5312 53 5312 53
00568 39489 71902 68154 05528 18202 23514 71667 44365 24419
15239 84451 28478 69522 46997 75836 56488 64975 97560 31016
11803 17969 20405 09967 31486 73960 78052 44705 72428 30100
93717 99114 93663 28956 87101 24909 53230 42486 98467 40624
65811 34932 73008 79731 65723 27818 64359 62262 63046 78012
08428 39184 49747 000 000

11435/10598/9327 kHz, 10-06, 1710/1730/1750 UTC

938 938 938 1 7052 107 7052 107
54894 50381 69738 82767 11235 27007 71314 52114 00653 13720
04865 08480 95718 24419 66117 83054 88789 57724 38225 92455
31926 09225 72265 31523 38167 66880 72586 77895 64102 47439
16948 98917 01423 49379 07842 76951 35547 90352 88453 67749
53973 75143 96331 72507 11127 64492 01339 66836 08108 03029
78850 97271 69570 84215 39631 88152 68910 24309 73219 44784
49022 69928 03856 70234 35292 50947 47945 60632 60239 29560
56603 82067 94765 69805 60621 45933 04155 44538 84003 04452
01664 83885 31741 73237 92631 60504 93366 93164 57990 07317
57990 62397 20788 97859 35390 96691 20416 75535 84360 13306
61051 15094 25391 71357 60984 96935 31234 000 000

8047/6802/5788 kHz, 10-06, 1800/1820/1840 UTC

463 463 463 1 8789 96 8789 96
07010 43506 17302 19977 16815 19097 39609 11419 43406 09119
25266 16795 84643 46354 49261 37842 39534 08225 81864 95774
76111 85085 01799 31674 30962 63660 55092 16414 33340 33552
74894 43423 13191 60001 53393 70570 90227 47148 28315 47580
73523 16519 14473 36627 62519 14887 16589 48018 29174 84617
98667 29251 52583 13221 15429 92118 56890 85666 44259 24702
77920 00050 03836 35989 86512 80806 12943 14786 95331 13561
42401 66103 39558 60448 83604 99225 43066 05864 57325 97293
03713 98165 05465 55757 45555 25926 15073 73728 59336 41355
59080 25886 44183 13689 69193 75723 000 000

10343/9264/8116 kHz, 10-06, 2000/2020/2040 UTC

124 124 124 1 8961 101 8961 101
08121 94580 81569 01291 59112 92419 86281 06531 46886 43183
46287 82843 72451 57525 20985 31479 65229 85611 48470 47950
16091 49212 54112 81285 00631 68931 37487 05354 88708 41389
29433 12998 17575 00837 86424 51891 05098 25067 15559 81887
59273 36913 20858 31209 02230 82076 32288 23926 02697 43469
07491 31647 09165 52713 29689 04917 04327 89614 93777 91453
63905 00089 99905 26954 52972 77294 10538 90498 76452 77196
79056 76651 70194 63159 93535 53261 91421 34358 04763 14547
02832 58303 13037 97766 44162 06909 65512 13685 98482 93360
23937 36768 25010 42103 30889 33950 92765 58177 90657 33994
48478 000 000

9317/10484/11552 kHz, 11-06, 0530/0550/0610 UTC

135 135 135 1 1123 109 1123 109
06170 38972 13647 62893 62351 65228 68016 17027 49011 58844
34135 59549 79919 36950 57250 21413 57413 44313 66839 82354
16992 07668 48942 51738 83773 64416 72494 30781 35453 51966
777?3 73839 49495 70052 12539 85213 51033 59212 24393 10226
89146 73269 84600 29831 82157 00814 06001 95735 57503 61920
63470 61104 74309 15950 49663 01367 44169 18998 40426 54388
93342 76344 44366 42789 43012 46307 79305 50447 99467 84161
22676 82940 71999 45821 23518 85089 24151 37979 18080 92590
12843 52319 58821 73654 30013 30514 93309 67819 18001 13360
97924 82244 83390 47257 50900 81934 56952 19854 87242 23097
05728 41772 61300 62007 67422 36078 14561 86177 68636 000 000

11435/10598/9327 kHz, 11-06, 1800/1820/1840 UTC

938 938 938 1 5339 110 5339 110
33003 91466 90013 72693 11681 54737 59026 96689 57727 03655
26415 53347 19919 08752 73690 02722 96703 08728 62818 52650
61249 72511 45042 01665 99682 56518 48801 60253 37217 24714
86246 54410 59874 16326 16689 04403 91279 93646 94760 97601
52413 07528 44732 30831 49969 50097 47785 73565 35988 17536
78554 13362 04634 97270 01251 61684 10233 10043 63297 84522
83280 78649 82126 98730 93668 59491 35956 49778 46320 37283
28355 41865 05490 40296 21225 74545 71015 44294 27412 33299
76985 50210 11679 44905 66500 12066 48429 97597 69212 55556
90207 13138 06662 16692 91309 74x55 58399 01308 34955 35758
20197 34825 75474 27301 34810 2x603 19489 93982 85885 21603
000 000

13384/12184/11484 kHz, 12-06/14-06, 1210/1230/1250 UTC

314 314 314 1 5950 53 5950 53
58636 84278 97659 84034 21339 56741 90123 40140 78487 43368
50876 92820 66368 09048 87340 93418 84344 71256 57527 55742
50146 06806 10423 02684 04490 45668 96394 97735 86246 82331
16192 51515 31212 33721 45663 21666 34044 21408 26398 43514
54516 48430 99071 06767 50707 33020 11223 31377 78049 85093
98475 99665 68216 000 000

12162/11566/10711 kHz, 12-06, 1710/1730/1750 UTC

546 546 546 1 4836 104 4836 104
26007 46667 97186 99212 12747 77293 17034 89352 47881 32468
47943 59468 87275 19252 77010 84579 83650 45309 37494 86596
21399 52405 35984 13289 97660 45649 07052 11267 07741 94373
86646 95653 04549 67361 98740 61133 08507 13344 13304 59782
96262 90824 35205 93986 98355 79877 59157 40674 20460 15053
92786 27738 44110 17897 36803 12290 83109 42257 52111 69173
56234 56234 17935 16732 88740 18614 75342 62046 95901 25330
81984 90637 28964 25311 43933 96455 91233 02258 59104 92209
23190 01843 88532 14154 48267 84856 64476 59003 49767 49360
19650 57148 40283 62911 14978 03714 11139 62558 56611 43082
47541 17872 74776 60541 000 000

10223/9323/8023 kHz, 12-06/15-06, 2210/2230/2250 UTC

239 239 239 1 6328 98 6328 98
82071 11131 74776 13374 68646 68446 64083 92988 67324 33164
00062 71989 06915 79827 80712 38296 75287 17889 99868 74089
04100 83830 81258 63141 02925 16707 39316 44064 16368 57225
93399 55654 05458 21656 65954 55135 20290 73165 19867 69014
30941 52072 32543 95429 89634 06510 52324 73231 61874 31935
31919 20354 13862 91144 25270 19178 50283 14528 26776 34276
01657 61582 56232 17802 03302 73694 02357 16090 44565 13685
80074 46657 92161 73406 76844 57353 36953 29983 48497 06402
23700 55770 76149 52409 17141 90937 80389 49027 69300 31505
03625 61598 31740 26242 32334 14982 27387 02666 000 000

14581/13481/12181 kHz, 13-06, 0700/0720/0740 UTC

541 541 541 1 6048 80 6048 80
99493 55970 00772 31195 49654 98236 49914 69310 72820 72527
89534 21647 07931 22823 12518 85879 19923 61814 92807 36014
68349 57269 00168 33373 25492 20603 92335 81929 32005 20928
97160 48121 25582 73039 05340 63209 07861 83172 08762 89113
08648 41496 68114 44239 59480 24453 34621 27652 13002 34243
28303 60818 86476 12947 09007 11250 28033 87181 04539 51234
32001 79889 32775 76707 47915 30424 30658 92947 54899 68118
40865 89877 70902 33657 27584 38667 59864 34078 04470 13443
000 000

12162/11566/10711 kHz, 13-06, 1700/1720/1740 UTC

546 546 546 1 5016 106 5106 106
34732 37195 24680 47603 52260 54111 88170 96100 51739 10635
49417 65545 71994 65321 41284 05333 55673 65294 89542 64993
36682 66720 50200 54556 41757 14737 81917 53620 25311 73628
88616 97303 67013 61999 96122 58226 66779 62347 97812 74131
61356 63176 36240 25087 18055 89040 27672 36980 42173 04014
94756 14910 71952 37361 71328 33799 34500 41710 94503 11450
03238 16909 02198 35438 22920 92243 84299 03407 54708 40366
82206 72426 57111 04827 25791 36631 55059 58435 30436 88582
72851 32950 94602 88760 83334 50774 31773 78011 88151 50079
95969 22164 45379 96761 17531 09772 07130 26726 54735 16605
72177 50641 39987 04164 01681 62173 000 000

12162/11566/10711 kHz, 13-06, 1800/1820/1840 UTC

546 546 546 1 1211 110 1211 110

81902 06533 43288 00138 06680 94791 54189 04264 46281 71600
94432 71917 67766 99601 67479 71919 93790 29809 03409 28112
04219 99192 07343 21079 16010 87023 25324 38499 93866 93822
51025 87790 22595 82701 69692 07379 24443 37005 49496 60089
41711 29252 98479 71938 45472 60614 01544 81089 20885 73300
68192 36689 73792 14836 35992 11140 66360 92124 35988 72916
11215 14904 62403 22792 28347 77992 05023 28315 61790 08691
41775 55956 05896 74461 60489 16959 76112 31125 66195 99488
15636 31771 30516 31185 33725 52247 96579 51339 64473 54290
67669 30494 35833 10615 46066 15826 23628 06349 82607 83242
75396 70006 08458 95285 59887 38794 64299 04303 36912 50447
000 000

11435/10598/9327 kHz, 17-06, 1710/1730/1750 UTC

938 938 938 1 3677 108 3677 108

62224 11742 02377 71407 10571 89449 99970 35752 23334 02257
27949 06669 19681 01320 63811 56534 42292 43974 10261 51378
60658 64845 66714 47734 81072 78163 64865 34719 16017 65956
22350 91523 15107 75582 84722 12265 53622 17645 04309 25899
92952 24551 44547 01026 50222 95437 51432 25704 08359 74364
84343 62837 55459 23723 56357 46391 44318 53976 44235 85308
09162 99036 27644 26077 67797 76028 37904 04899 27623 08195
81152 54979 62432 49354 85437 67879 37275 26643 36835 57125
53141 33807 91784 28511 58542 06113 52904 08769 83961 61365
69883 59726 78716 55937 72959 72503 54204 76466 57042 86726
60715 91851 75894 87527 74195 00392 04024 37917 000 000

8047/6802/5788 kHz, 17-06, 1800/1820/1840 UTC

463 463 463 1 110 97 110 97

64039 55748 03247 80006 90661 01370 80596 96502 64179 29339
03440 33350 44061 55444 43119 93545 39629 78409 62098 42784
11219 84913 81623 69399 84054 55453 89319 25966 71036 48427
97788 39616 72995 71309 34380 37986 87005 38541 94148 77509
24446 68838 31766 32117 60627 22674 87288 31002 26109 46653
06655 88435 45725 71198 22318 57634 20802 39279 27060 03476
19524 38171 79551 26555 15340 27844 39220 63808 87659 66930
41199 72467 55675 72431 56787 96009 98107 98258 62823 22288
13744 62588 01474 43684 32567 86168 93170 44110 53910 07282
52174 22492 87554 26455 50828 60435 76546 000 000

10343/9264/8116 kHz, 17-06, 2000/2020/2040 UTC

124 124 124 1 1063 107 1063 107

12967 21650 34653 94654 88667 06378 51288 28570 69508 73996
98413 09575 42466 28931 46439 46729 06794 07086 38854 05484
26209 34687 50079 52446 50793 85045 17328 62681 06102 46312
31773 74656 81721 23187 04598 18788 32217 01400 15336 46507
00828 69372 15840 02826 11338 15019 76402 74055 53227 76376
54069 67485 40722 90204 80181 12357 56908 70271 78034 25002
71731 59559 33737 25650 67035 70651 85113 08408 58191 88646
94438 09717 73434 62175 93095 03015 28250 57341 28238 72030
32622 54936 24083 47444 28613 31471 49048 16175 30335 73691
56962 90299 78813 62522 08070 75486 75550 79367 34104 59288
33626 28801 16262 09191 90243 32063 83185 000 000

11435/10598/9327 kHz, 18-06, 1800/1820/1840 UTC

938 938 938 1 3146 108 3146 108
69849 35791 19552 09903 79923 29953 60385 24312 78503 45208
62310 53313 24677 58056 81734 49046 54751 86141 26569 01142
76622 80066 56792 37449 30047 60665 97365 66116 05821 23391
71075 12098 03355 02996 54507 62986 65993 02766 95290 07608
90451 02905 27277 25444 26360 05320 41197 93052 44614 96011
36943 50241 40561 12263 90160 58773 54721 05342 43521 16223
51011 05021 77764 06292 51698 37652 99296 75791 08875 57465
33864 53697 73139 53607 83909 15601 60801 44372 87319 02123
60666 89859 07367 36351 71457 86445 56781 79980 27034 19527
08399 04649 69021 30537 69847 01337 20293 33905 16926 01861
56247 10219 36901 70082 15156 91191 08325 92432 000 000

12162/11566/10711 kHz, 19-06, 1910/1730/1750

546 546 546 1 1104 105 1104 105
06865 03335 16923 61446 23408 14105 78045 95546 04500 74201
91941 93233 89236 49584 74420 83804 41294 37133 23466 91607
51830 65865 55065 20436 63409 99651 08212 56707 00550 32063
38630 63241 18078 68029 40769 71113 26893 92351 16729 95209
00315 98416 07834 82242 65582 09140 31718 79769 12428 38238
37495 36350 30197 67874 54636 46118 83861 92163 26332 56857
03647 82539 88538 37565 39289 75147 60185 76836 00489 57533
66033 56534 71254 87928 16674 20704 62204 31210 60123 74095
16001 01034 44300 14274 10485 69289 62302 61532 58544 07061
66401 09400 94604 67412 04702 33472 40779 45428 79176 16604
96269 05160 15653 08119 03984 000 000

10223/9323/8023 kHz, 19-06/22-06, 2210/2230/2250 UTC**22-06, 2210 UTC stopped and restarted after 3 minutes**

239 239 239 1 7373 82 7373 82
02284 80225 13920 04506 44539 47094 99192 49356 49671 78554
79942 77346 16897 56152 55750 95628 51977 52446 21411 28390
87064 87794 72573 71998 69039 54024 27286 97580 31002 70282
13602 65206 57597 29871 15464 94245 03818 02377 21739 16895
86247 15317 46438 70307 41172 41640 87627 52666 82212 68367
68607 17650 17915 50927 98356 58469 89231 71906 56374 71067
61431 16828 70359 18618 22104 34260 98885 24442 06294 58552
71053 62766 79294 79499 52401 54101 51857 70596 22517 03604
41711 25708 000 000

12162/11566/10711 kHz, 20-06, 1700/172030/1740 UTC

546 546 546 1 6085 106 6085 106
55668 13718 72232 18611 57590 61722 59624 73747 63323 36857
93017 63056 90793 11714 09445 81908 52238 52919 44471 42932
02257 60012 15885 57816 54198 77310 62625 91020 18806 22045
12786 34365 30112 77695 92830 14202 03072 64056 33636 06714
63018 93425 10803 05693 31806 73094 10393 53114 52070 98892
40876 80724 18768 10375 20832 22109 20306 20715 89652 99928
97810 09528 72945 81884 86079 73235 97102 89660 92995 61807
01255 01566 05336 11808 31382 21969 50178 98216 90615 89274
62506 38132 80430 70664 04113 94309 53433 96180 00057 50386
07693 10236 65603 89471 80942 51324 09401 37140 03323 40154
41563 29827 64878 31194 25022 84944 000 000

12162/11566/10711 kHz, 20-06, 1800/182030/1840 UTC

546 546 546 1 9554 109 9554 109
98487 30620 86235 88469 12661 35870 04791 57386 81764 80630
41346 84689 42243 07808 93927 71929 83977 39707 25723 28089
22796 50116 37177 22107 78417 39569 37785 33660 06679 09510
77805 27181 35532 37778 81625 20241 57036 03685 54870 03728
34177 11570 75319 56606 23496 76100 55386 61030 47337 92973
43065 75719 32994 77913 85467 62101 88560 50651 79633 72734
45402 07015 12122 33228 16501 94736 01980 87402 39899 87450
18447 63322 16214 97124 92673 29916 43002 42595 46989 77911
02777 24449 19938 30770 67757 11261 69286 54582 95364 98727
62501 57241 59462 48350 71254 63093 07674 73771 38180 66505
60040 67400 22421 11010 45015 27246 72707 96287 44547 000 000

14377/13461/12114 kHz, 20-06, 2000/2020/2040 UTC

317 317 317 1 8256 107 8256 107
05727 67631 89275 86319 07496 64209 10102 67293 71214 51404
74537 41747 20971 51993 27845 57790 02718 13006 23582 66001
39638 35744 28553 49080 39528 32938 42504 75792 30383 96133
84963 57255 19394 14236 62970 26004 22227 63051 23858 32692
45335 89647 94820 02341 20695 26083 04589 66109 97512 53081
52622 37033 02401 10779 96539 90331 02891 53111 24869 76266
76773 54928 58694 36837 51337 62417 05697 72858 99345 16535
14971 57204 86612 34003 18400 23044 13342 51557 22331 34024
01759 69183 94485 50700 46891 09371 82772 63740 88249 33408
01559 03068 47926 25649 56648 11614 55716 00211 74322 21872
56319 47309 09763 29308 75673 11900 35382 000 000

11144/10544/9344 kHz, 21-06/22-06/28-06/29-06, 2100/2120/2140 UTC

153 153 153 1 9534 190 9534 190
34893 44867 97658 30264 57119 52718 52155 71804 67377 86554
57962 38634 25037 09893 07563 80489 27465 53753 84452 01035
85921 16900 83372 65909 15420 32752 19887 68499 06563 41112
54007 17181 40446 29559 41784 10345 16178 72494 89834 51844
52022 19612 15397 69879 20799 22528 14324 09676 00122 51548
38127 85688 01667 12196 51804 87845 34422 27969 44888 89654
31047 69814 38314 49489 65054 48673 55776 77283 81804 78771
79303 59770 11173 86738 70400 49973 20559 25657 32551 00625
78762 54239 81407 09161 62523 49897 25115 14053 21160 58022
05796 20068 68050 56906 67009 75765 11601 15939 29533 02442
79486 91547 46290 65315 52538 40285 01526 86455 97207 58121
00062 23181 37305 46527 70472 60287 74075 14505 08725 27925
41376 49562 44915 95377 66717 35633 41086 92608 85443 77980
10941 77582 39209 37749 30162 17551 89548 93347 89964 07080
19610 26984 24067 04279 34967 58104 86586 26197 73303 58403
91194 91120 13775 03767 15529 26758 25928 17608 27370 73291
89597 58328 25281 07002 38560 45250 60980 71283 42181 49017
62968 62219 18183 96796 94765 32266 83159 23184 03639 74822
40548 56699 06479 90424 96731 64252 52563 95503 62247 99552
000 000

8047/6802/5788 kHz, 22-06, 2000/2020/2040 UTC

463 463 463 1 1401 91 1401 91
28223 08147 64223 46898 79577 46753 33956 73402 16500 90161
14435 87118 08497 63134 55290 25590 10466 14139 58877 88354
73643 69335 29036 29184 09518 19237 12794 40503 42321 02417
51194 90362 68077 49523 53782 09819 787?2 02074 00415 17745
65493 30316 47972 78399 97820 80073 96470 31611 93499 64421
95277 42315 95586 74864 91223 49938 87797 89994 34284 83534
59509 01506 73354 16057 31073 72709 78546 82083 44380 93335
23532 00213 15208 69640 78101 59128 51209 23210 06091 78349
99358 56394 66129 92867 48431 25289 47277 83513 87557 66644
17869 000 000

16117/14717/13417 kHz, 24-06/26-06, 1400/1420/1440 UTC

174 174 174 1 121 78 121 78
14492 86971 36717 42553 46242 21384 45153 27988 69344 84599
53242 77118 86429 57998 29302 65821 50633 57940 11355 50849
19058 73308 08079 10634 84016 09209 63943 84453 03371 11069
42267 97532 81401 40471 04350 04527 77435 39407 91665 32375
83367 38763 11447 26213 22562 77148 54062 81895 09914 34892
80695 56787 83129 10082 61814 54267 50051 57189 32926 65332
67275 71258 55271 19561 20427 91762 57434 34769 61088 09156
36870 87203 86042 05986 25341 80530 30506 000 000

11435/10598/9327 kHz, 24-06, 1700/1730/1750 UTC

938 938 938 1 8335 108 8335 108
38330 14134 81859 61272 67274 76071 73877 06077 02337 02662
30601 03914 72660 23592 15757 71856 60479 70970 34074 58417
50927 97256 69867 34253 02394 39863 15650 27113 40360 46013
54169 78878 01642 38826 41482 70505 05063 77970 21720 92163
74247 53496 71282 26750 03080 59410 56113 35258 04906 14370
96837 59992 35373 79454 69861 23776 40826 24134 77796 71426
90803 27336 25402 17194 68739 78338 45218 44256 24771 43384
39842 60815 24413 57889 24766 30039 23803 13847 88511 16123
93186 20616 52497 10039 96608 50381 01462 86103 63122 17040
27900 67348 54223 95056 59600 48334 89843 99213 89205 63947
30620 88953 26300 36673 68116 07136 53511 87739 000 000

10343/9264/8116 kHz, 24-06, 2000/2020/2040 UTC

124 124 124 1 2570 104 2570 104
71905 34538 55643 04538 12471 49664 39575 68314 18679 88495
51818 25389 47195 07855 62453 82541 61114 47140 32402 82828
75967 74339 61416 19653 18114 24896 00565 85660 00638 49141
96231 13053 19228 48592 62040 82599 58346 99766 01960 59088
73659 80106 29759 15172 10006 93076 24865 66673 79756 56331
08095 76809 12575 74909 80988 14542 43291 10137 22921 59466
17712 00745 99054 91853 61557 52454 22160 76026 88221 50643
48890 00486 67864 29697 50549 64644 92873 80863 96722 98953
42174 43038 36625 45362 59348 02445 39924 17713 61897 27392
09696 66271 58447 46420 28155 66027 83079 97153 74565 06914
51238 40282 88298 23526 000 000

11435/10598/9327 kHz, 25-06, 1800/1820/1840 UTC

938 938 938 1 9402 104 9402 104
35367 92020 47552 17460 20676 04901 83093 80506 35939 14051
40686 88606 16136 77545 49248 96931 33571 31737 58220 06463
93853 69452 32728 49919 19802 59195 66971 07713 36582 37664
47625 83736 73299 38580 55920 69285 86208 18032 64408 36972
20150 58949 96352 97415 54136 81285 68790 94859 86227 39882
96130 90277 31761 29202 86246 14853 63272 38887 82076 68809
26834 04239 55920 99548 87842 92796 57024 39343 92310 71743
70867 36596 21442 46499 84824 02638 43283 21994 60516 88336
56568 18519 01507 67662 19204 15209 80650 97971 93335 67467
05143 31914 60148 73249 87010 09432 08881 28442 88467 54304
17312 69666 08380 16693 000 000

12162/11566/10711 kHz, 26-06, 1710/1730/1750 UTC

546 546 546 1 2929 112 2929 112
11292 31384 92525 53506 08072 59019 02529 20667 50442 48068
08625 81293 36439 22349 13174 92084 12220 22071 93864 73888
83987 97099 75275 02835 50008 67837 03967 29492 67762 65441
92411 53787 21539 55185 50830 84073 28225 80457 55836 20982
81930 33570 69884 55633 63674 25662 66309 57325 81186 71939
73152 48888 53358 05952 55519 95776 91306 16005 85595 66109
39515 15153 03572 96569 70014 53476 95963 05464 31654 22377
08044 67629 31853 66133 03242 83754 89174 87404 71895 97212
87065 66389 47830 64044 48499 57487 32340 87344 30800 53465
54303 49168 88678 77670 07929 82800 14830 54775 39283 65545
04229 22043 76308 98447 46689 74131 68878 31943 34644 67434
99321 54117 000 000

10223/9323/8023 kHz, 26-06/29-06, 2210/2230/2250 UTC

239 239 239 1 101 70 101 70
64246 18612 74246 83550 85788 94330 20360 89666 39070 86453
43272 97390 72429 79684 05125 95836 19997 08764 74225 18394
04276 98271 28717 27150 16678 05612 68795 00394 71122 02977
74820 56118 00274 30335 00228 83624 41743 49707 47568 14452
47386 79797 18649 60839 45564 10599 65659 17074 13205 17839
04458 61405 67263 28607 02331 33696 73302 87333 45575 15905
26402 84828 12700 94584 58814 78818 69582 47377 08297 06899
000 000

12162/11566/10711 kHz, 27-06, 1700/1720/1740 UTC

546 546 546 1 8545 110 8545 110
27047 75153 29146 28231 15757 37757 75014 95936 66721 76259
73121 70598 68199 13454 57568 94876 53057 43055 59464 28042
81676 30912 33296 16526 80017 34489 10845 34462 87214 34930
20815 64764 22946 29747 26501 40567 28289 89033 68109 57941
35236 86779 65404 28367 41729 85329 95702 79650 19598 25553
17017 94228 87436 45431 60432 90526 08251 24249 77190 87642
18713 79704 26478 48236 90735 32276 87372 34057 22556 17877
23060 81609 75415 60276 28479 08007 02029 86230 08695 12133
45101 65919 97049 78783 17109 83755 25352 96714 63434 01516
76654 02172 73388 65701 94632 32149 05546 26497 33544 11872
52325 06228 14721 02187 24924 18634 55717 42661 26208 60778
000 000

12162/11566/10711 kHz, 27-06, 1800/1820/1840 UTC

546 546 546 1 8989 109 8989 109
 09044 82770 41222 53050 89203 80999 45554 43291 54615 98137
 80882 65902 74177 82200 06652 42126 03775 40766 66629 21011
 08280 91873 43113 74346 59753 07358 12427 90270 37428 85762
 10999 88326 06206 66825 50270 58381 39357 67384 25813 35528
 22048 58818 47673 54350 93333 33309 14949 94770 47641 11030
 85319 38779 22218 41801 07943 73835 26185 29764 78071 32974
 81798 06771 35273 82802 75896 28638 53766 41283 09100 01754
 25314 78330 97437 74818 40626 12786 49754 07076 51793 12831
 72184 14494 84837 29286 74204 18234 44416 04675 33846 62896
 57957 28630 39236 23158 21013 99892 27232 42986 97181 05250
 70578 22363 17483 52380 41535 61515 80093 50129 56380 000 000

14377/13461/12114 kHz, 27-06, 2000/2020/2040 UTC

317 317 317 1 6391 103 6391 103
 24091 01904 88521 06782 35349 55364 28954 33620 84238 58539
 42661 94655 60107 12768 07415 79473 27485 04184 34049 13150
 45591 32947 11729 02169 31132 93270 23844 89443 53242 57516
 19479 72787 48998 99148 55434 68283 74236 58231 33438 42176
 13325 40209 73983 64503 83228 60405 04475 19155 52753 66601
 27388 16002 53263 01728 27369 40775 13643 69370 11755 41309
 98875 97903 80326 96249 05220 30964 35733 36703 86226 46659
 94070 38018 16342 23676 01718 22412 56795 07193 94255 62371
 30230 24011 34752 08336 17326 72119 53129 58187 40422 01048
 76353 91501 61575 39176 20727 49898 52164 77520 29536 96200
 17406 16592 14930 000 000

8047/6802/5788 kHz, 29-06, 2000/2020/2040 UTC

463 463 463 1 6356 93 6356 93
 83076 26293 40268 33490 69770 45751 30699 52403 29668 42196
 50919 25471 47563 14016 89444 48556 87172 14453 17153 13840
 64667 36934 02941 33780 29062 90693 18437 53322 77540 46476
 42632 91307 86347 89662 10515 65319 77240 01694 45344 59133
 50502 53273 56958 64370 36239 14394 21279 63796 82395 24695
 91607 80642 65853 80514 27171 69933 12929 33627 49536 15963
 68354 70555 27837 15105 52670 17713 60856 04980 55769 91093
 14242 01075 12057 70115 60654 10780 15466 22660 97437 42005
 31094 68481 43872 25791 76621 77964 64758 10586 89237 40672
 65826 20331 33072 000 000

M14**6856 kHz, 11-06, 1820 UTC**

163 321 321 42 42 = =
 10774 91670 45912 24245 68168 57197 15046 20073 26351 09631
 41360 56088 32233 60946 46815 24527 64119 88284 20213 60894
 22056 04451 63450 39011 71795 96486 78112 73712 97061 05738
 59584 60150 39801 47873 90861 11629 33113 96270 52368 81980
 38525 93164
 = = 321 21 42 42 00000

5938 kHz, 12-06, 1920 UTC

417 321 321 42 42 = =
 10774 91670 45912 24245 68168 57197 11046 20073 26351 09631
 41360 56088 32233 60946 46815 24527 64119 88284 20213 60894
 22056 04451 63450 39011 71795 96486 78113 73712 95061 05738
 59584 60150 39801 47873 90861 11629 33113 96270 53258 81980
 38525 93164
 = = 321 321 42 42 00000

4730/4650 kHz, 15-06, 0800/0900 UTC

523 562 562 42 42 = =
 93164 38525 81980 53268 96270 57197 33100 43645 73256 93201
 42745 38569 27403 32356 87492 74569 20808 46932 58321 54387
 73459 62475 39447 55864 32317 53796 55542 67475 85476 34587
 79058 45632 89573 43678 66463 88258 11452 63264 75743 84279
 63253 66870
 = = 562 562 42 42 00000

4730/4650 kHz, 22-06, 0800/0900 UTC

523 485 485 43 43 = =
 37568 73582 12845 36281 48901 86701 37297 23647 13526 42918
 15627 84756 16285 45274 49672 75629 43728 50268 19254 47245
 36278 18365 27482 82514 47188 25462 83652 17242 74537 42756
 45372 26385 83627 92746 42194 17366 64628 17253 53825 41528
 25364 72537 15726
 = = 485 485 43 43 00000

6856 kHz, 25-06, 1820 UTC

163 562 562 42 42 = =
 93164 38525 81980 53268 96270 57197 33100 43645 73256 93201
 42745 38569 27403 32356 87492 74569 20808 46930 58321 54387
 73459 62475 39447 55864 32317 53796 55542 67475 85476 34587
 79058 45632 89574 43678 66463 88258 11452 63264 75743 84279
 63253 66870
 = = 562 562 42 42 00000

5928 kHz, 26-06, 1920 UTC

417 562 562 42 42 = =
 93164 38525 81980 53268 96270 57197 33100 43645 73256 93201
 42745 38569 27403 32356 87492 74569 20808 46930 58321 54387
 73459 62475 39447 55864 32317 53796 55542 67475 85476 34587
 79058 45632 89574 43678 66463 88258 11452 63264 75743 84279
 63253 66870
 = = 562 562 42 42 00000

4730/4650 kHz, 29-06, 0800/0900 UTC

523 562 562 42 42 = =
 93164 38525 81980 53268 96270 57197 33100 43645 73256 93201
 42745 38569 27403 32356 87492 74569 20808 46932 58321 54387
 73459 62475 39447 55864 32317 53796 55542 67475 85476 34587
 79058 45632 89573 43678 66463 88258 11452 63264 75743 84279
 63253 66870
 = = 562 562 42 42 00000

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

9144 kHz, 14-06, 0635 UTC	=99?0936?9????? =99?0938?9????? =99?0940?9?????
6843.5 kHz, 16-06, 0622 UTC	=990922??0????? =990923??0????? =990924??0?????
3369 kHz, 17-06, 1708 UTC	=99?2008?9????? =99?2010?9????? =99?2012?9?????
5156 kHz, 19-06, 1152 UTC	=991452??0????? =991453??0????? =991454??0?????
5156 kHz, 22-06, 1655 UTC	=991955??0????? =991956??0????? =991957??0?????
4613 kHz, 22-06, 1747 UTC	=992045??0????? =992046??0????? =992047??0?????

M22 - 4XZ

6607 kHz, 16-06, 1705 UTC

VVV 4XZ 4XZ = =

TR AR NW QTC 1 NR 353 = =

NR 353 KL V IO4J 04161 WW4M GR 91 = =

WAMWL YQLDG EWLRY QORPO HYGAC NGCLW QZRCU GTUFA CKFRQ HOIOJ

LYDYE UQUUO TSMIX EFDOZ UNINS BBLEK UFYVZ PQNZQ TWQLM = =

NR 353 KL V IO4J 04161 WW4M GR 91 = =

WAWML YQLDG EWLRY QORPO HYGAC NGCLW QZRCU GTUFA CKFRQ HOIOJ

LYLYE YQUUO TSNIX EFDOZ UNEIS BBLEK UFYVZ PQNZQ TWQLDM = =

NR 353 KL V IO4J 04161 WW4M GR 91 = =

AR AR

VVV DE 4XZ 4XZ = =

TR AR NW QTC 1 NR 253 = =

NR 253 ZS V OS8E 81416 WM51 SQ1X GR 81 = =

SXSXS LAWZC IGEIC LOBEY TIFGQ GUTHB QEPKR ZALFI AODRF FEXAY

AXCCS CLPTY ENQTA LDFUR MQRLU PFDHZ TWPAR LAWZC = =

NR 253 ZS V OS8E 81416 WM51 SQ1X GR 81 = =

SXSXS LAWZC IGEIC LOBEY TIFGQ GUTHB QEPKR ZALFI AODRF FEXAY

AXCCS CLTPY ENQTA LDFUR MQRLU PFDHZ TWEPR LAWZC = =

NR 253 ZS V OS8E 81416 WM51 SQ1X GR 81 = =

AR AR

VVV DE 4XZ 4XZ = =

TR AR NW QTC 1 NR 153 = =

NR 153 UJ V NF2W 514161 WW1X GR 71 = =

WXWXW ZEBLA AZXHG FZPRZ TKEKX PXSOK QEJDL PBAPL QHHPX ACYIK

BGOKM LZLDR CDOMT NBYXU QSDIN MWUDN ZEBLA = =

NR 153 UJ H NF2W 514161 WW1X GR 71 = =

WXWXW ZEBLA AZXHG FZPRZ TKEKX PXSOK QEJDL PBAPL QHHPX ACYIK

BGOKM LZLDR CDOMT NBYXU QSDIN MWUNN ZEBLA = =

NR 153 UJ V NF2W 514161 WW1X GR 71 = =

AR AR

VVV DE 4XZ 4XZ = =

TR AR NW QTC 1 NR 653 = =

NR 653 MJ V XG4M 314161 OS2N GR 61 = =

ONONX BDUXO SDFKC FNUWJ HAXCO YWTKQ GUYXN LWEDL XFKOM JBBAR

CQSAI QYOFY EYAZC NENMI ESCEN BDUTA = =

NR 653 MJ V XG4M 314161 OS2N GR 61 = =

ONONX BDUXO SDFKC FNUWJ HAXCO YWTKQ GUYXN LWEDL XFKOM JBBAR

CQSAI QYOFY EYAZC NENMI ESCEN BDUTA = =

NR 653 MJ V XG4M 314161 OS2N GR 61 = =

AR AR

M23

5345 kHz, 12-06, 1458 UTC	222 (R12)	5345 kHz, 15-06, 1528 UTC	222 (R12)	5345 kHz, 18-06, 1428 UTC	222 (R12)
5345 kHz, 13-06, 1458 UTC	222 (R12)	5345 kHz, 16-06, 1428 UTC	222 (R12)	5345 kHz, 18-06, 1458 UTC	222 (R12)
5345 kHz, 14-06, 1428 UTC	222 (R12)	5345 kHz, 16-06, 1458 UTC	222 (R12)	5345 kHz, 18-06, 1528 UTC	222 (R12)
5345 kHz, 14-06, 1458 UTC	222 (R12)	5345 kHz, 16-06, 1528 UTC	222 (R12)	5345 kHz, 19-06, 1428 UTC	222 (R12)
5345 kHz, 14-06, 1528 UTC	222 (R12)	5345 kHz, 17-06, 1428 UTC	222 (R12)	5345 kHz, 19-06, 1458 UTC	222 (R12)
5345 kHz, 15-06, 1428 UTC	222 (R12)	5345 kHz, 17-06, 1458 UTC	222 (R12)	5345 kHz, 19-06, 1528 UTC	222 (R12)
5345 kHz, 15-06, 1458 UTC	222 (R12)	5345 kHz, 17-06, 1528 UTC	222 (R12)		

M41 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)

5037 kHz, 20-06, 1800 UTC i.p. GPY1 GPY1 AR

5037 kHz, 21-06, 1800 UTC i.p. GPY1 GPY1 AR

M51a / M51b - FAV22

3881//6825 kHz, 15-06, 1112 UTC

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).

3881/6825 kHz, 16-06, 0645 UTC

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).

3881/6825 kHz, 16-06, 0900 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

DIMANCHE 5/LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =
CNDJE QATLD BVCNE ZMALO OWLPS SHDYE BNNXM AKQIU KFJEI 23658
VCSBS .?,AS VA IWOEJ VXFESR AHQUS VDGWT SHGYW NCGET SAGQY VXTEU
11976 LMPHO /=.VA' BCGCS SALQO ZNXBS DJWUG SLOWP SNDNW SKAYU
PWOIE 89650 BXCSD ,AS.,/ CXRSY KOSPO BAERE BVNDJ LKOEI DGFWT
CXZVA NCBYW 32980 NVHEI .',/? AQPSL MXZNA LAPQI BCVSN SKAOQ
XMLJA SHQUX VCBSH 45873 LPFOE '/?AR. DKWJH BCNSJ CXGAE CBNSW
AR.,/' CAZQS 58236 FZDQH VCBHS LKOEI CXAHQ BCNDJ KSLQI NVBDH
XZKIW 25869 LMPQS ./?'VA ZAKLD OQPKX BVCNS MXJSI +

DIMANCHE 5/LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =
EN ME DÉPLAÇANT SUR LES BASES AÉRIENNES ÉTRANGÈRES J'AI D'AILLEURS PU MESURER COMBIEN NOS HOMOLOGUES, QUEL
QUE SOIT LEUR GRADE OU LEUR NATIONALITÉ, ÉPROUVAIENT UNE VÉRITABLE FIERTÉ D'ARBORER LEUR TENUE MILITAIRE EN
TOUTES CIRCONSTANCES. AU SEIN DES IMPLANTATIONS MILITAIRES OU À L'EXTÉRIEUR, NOS CAMARADES PORTENT UNE
ATTENTION PARTICULIÈRE À LEUR UNIFORME AINSI QU'À LEUR COMPORTEMENT INDIVIDUEL. J'INSCRIRAI CET EFFORT DANS UN
SOUCI CONSTANT DE COOPÉRATION AVEC NOS PARTENAIRES EUROPÉENS ET DE RESPECT DES RESPONSABILITÉS ASSUMÉES AU
SEIN DE L'ALLIANCE ATLANTIQUE. +

CQ DE FAV22 VA

3881/6825 kHz, 16-06, 1020 UTC

VVV VVV VVV FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

DIMANCHE 5/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =
VXSYW JSJPO APQOI VCBSH ZXSKL NMVCB EUYSJ KLJHS VCBXH 02564
BCDFW ?AR., ' LPDOU XNCBM XZSAD VCBSG NOLEP VCBSQ RYTUI MDJSI
,'.?/ NSACQ 58401 KDOEP VMDKW LDOUA ZSWOJ BCNDH KDUEI VCNAQ
ALPCI 48932 LPOEI ,/.AS VA ZAQID BBCDJ ALKSO XBCHS SJWIX BCNCJ
CMSKW CZFST 12036 SAWQD .?=? ZNXJS QPLOS DHDWU XBCNS AJSWI
XETYC VNMSK AQOIW 89564 JGUYI ?/., ' JQIAL OILPU XVAGW DHFGR
VNMEI SAHWU DDPLI CBSJW 23561 VSDWR ?.,VA' NCPOE XBSHW SKWOP
SABWU CBEYD NBMCK SAJWU XCVWY 43692 BCHWJ .?/AS. CXAFQ JFILH
MNLFP +

DIMANCHE 5/LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =
AINSI LE SECRÉTAIRE GÉNÉRAL DU CONSEIL SUPÉRIEUR DE LA FONCTION MILITAIRE (CSFM) ET CELUI DU HAUT COMITÉ
D'ÉVALUATION DE LA CONDITION MILITAIRE SONT, DE DROIT, DES MEMBRES DU CONTRÔLE GÉNÉRAL DES ARMÉES.
HABITUELLEMENT, ENTRE VINGT ET TRENTE MEMBRES AU MOINS DU CORPS OCCUPENT DE TELLES FONCTIONS. LA
PRODUCTION DU CONTRÔLE COMPREND DES RAPPORTS, DES NOTES D'ÉTUDE, DES COMPTES-RENDUS DES COMMISSAIRES DU
GOUVERNEMENT, DES AUDITS... LE CGA PRODUIT UNE CENTAINE DE NOTES D'ÉTUDES ET DE RAPPORTS PAR AN ET PARTICIPE À
DE TRÈS NOMBREUSES RÉUNIONS AUXQUELLES IL APPORTE SON EXPERTISE. +

CQ DE FAV22 VA

3881/6825 kHz, 17-06, 0715 UTC

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).

3881/6825 kHz, 17-06, 0900 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

LUNDI-LEÇON NUMÉRO 21-1/1 VITESSE 420 CODÉ =
GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS
IKGCV 37628 AYSGX WBSUJ YHYTG DHSJQ BHDTR FJAIK WNDHC VZIJK
OLHGF 87452 XVSGR SHWUZ 10964 ETDFX CBSHA WJNHE SHGZU ALSGF
LGBCH XNBWH DSJZU AGWCD QKLAU GBXHR SJHAU YHGDV CLQIO AMLJH
YHBGR ZUJXV WNGSU 46381 BWNDU ZKQLA PLAYG BVXCD WNSHR ZJHSK
GBVCG DJSKZ WKQHJ AKLXV WCSGR ZJHSU 65953 BWNSJ AKUJH DGVXT +

LUNDI-LEÇON NUMÉRO 21-1/2 VITESSE 420 CLAIR =
LA SILHOUETTE SI PARTICULIÈRE DE LA MOTO A ÉTÉ PRÉSERVÉE, BIEN QUE TOUS LES ÉLÉMENTS AIENT ÉTÉ REDESSINÉS. BIEN
SUSPENDUE, DOTÉE D'UN FREINAGE PUISSANT ET DOSABLE, POUVANT ÊTRE ACCOMPAGNÉE D'UN ABS, LE MOTEUR TOUJOURS
AUSSI EXPRESSIF OFFRE DE LA RONDEUR À MI RÉGIME ET UN JOLI COFFRE PLUS HAUT. QUI SUIS-JE ? LA TRIUMPH SPEED TRIPLE
+

LUNDI-LEÇON NUMÉRO 21-1/3 VITESSE 420 CODÉ =
GDJSF WHQGF XVCHR LAHJD XJHDG QLAMO MAJKF YHDJS WBSKA UJDHS
LAPMD WJNXV DGRTS AUJDK 56287 WBCJD AJH DU 78352 WBXVC YHDGS
WBXLA PMQKU YHDQK LAPOI BXNWJ THSUZ QHAGU JDKSI 67389 UJDHS
YHLPA WJQKA MLGHD JQKYH XVWOL YHSJE 63528 HNXJD SKZUA PMAJG
JOALK XNBWJ SJHQL MAPKI HDJRT SGDFX MQPAU 56483 GVXHS WBSJZ
IKAGH WBHDL AOKSH QMAPH WBXHR SHZYA 67382 VWBXH SJZUA QJAHG +

LUNDI-LEÇON NUMÉRO 21-1/4 VITESSE 420 CLAIR =
LA TUONO V4 R EST UNE MOTO EXPLOSIVE, QUI DEMANDE DU DOIGTÉ ET BEAUCOUP D'EXPÉRIENCE. SUR ROUTE OUVERTE, LES
ACCÉLÉRATIONS SONT TELLES QU'IL EST DIFFICILE DE GARDER LES GAZ GRAND OUVERTS PLUS DE QUELQUES SECONDES. LE
CONTRÔLE DE TRACTION APRC PROPOSÉ EN OPTION EST HAUTEMENT RECOMMANDÉ. SANS LUI LE DOSAGE DES GAZ EXIGE UNE
GRANDE FINESSE. +

CQ DE FAV22 VA

3881/6825 kHz, 17-06, 1130 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

LUNDI-LEÇON NUMÉRO 21-2/1 VITESSE 420 CODÉ =
GHDJA QJAKI HNDKZ WKQLA ZPMQH DGEUZ XBCVF WBQJH SJAUL MQHDF
TGDHN 26483 SHBXJ SKQLZ AMPLU JDGXC WBQHZ AGFHC KUIOD XHRIL
UJFOR SGXHW 46201 KSJFY XVSJZ LAPMS HWCXV RBSHD KLAUH YHDKZ
WBCVX CHFDY ZUJAK 28678 JSKZI WGCPZ SKLQB WNDHR ZUYHF OKSLZ
WMQHA WCXHD RTDJS WNCHD SUJRG ZJSKP PMQHF NBCUH PHJDF XVWHR
10735 XVDFZ WHNAY 76382 KQNBX ZJAKO WUJRD XVSJZ +

LUNDI-LEÇON NUMÉRO 21-2/2 VITESSE 420 CLAIR =
LE 14 NOVEMBRE 1951, TROIS BATAILLONS DE PARAS SONT LARGUÉS ET OCCUPENT HOA BINH, EN ZONE MONTAGNEUSE.
SIMULTANÉMENT QUINZE BATAILLONS D'INFANTERIE, SEPT GROUPES D'ARTILLERIE, DEUX GROUPEMENTS BLINDÉS, SE MIRENT
EN ROUTE AFIN DE REMONTER L'ÉTROITE VALLÉE DE LA RIVIÈRE NOIRE. GIAP SE DÉROBA, MAIS AVEC UNE RAPIDITÉ
INCROYABLE. +

LUNDI-LEÇON NUMÉRO 21-2/3 VITESSE 420 CODÉ =
VBCHD WJSYZ JKAOL JNXCD GCHAI WBNDH AOLDP JKSM A HJWKS HDGRY
MLJKI HJDLZ UJSGX VCDGR YUZKS WKAOL 63826 UJDKS BXNRY AKSLP
LKDHC VXKSU YZHSK QLAPM JKDLB NXJRT 63820 17362 XNDJZ WKQLA
PGHFV CLPEU DJSKA LWNXI UJFLB NCKFU ZIKDP SMZUH 29463 WBSJZ
LFHDV CBXYR SJAPJ NWKDP SKQIL ZUJDG XBSHZ UJSKZ WVXYT HDKAU
LK FHC VXBDT VPAKD JNXLS WBXYR DGZIJ 37284 TGDJX BSJZU WNXHZ

LUNDI-LEÇON NUMÉRO 21-2/4 VITESSE 420 CLAIR =

TÔT LE MATIN, JE FUS RÉVEILLÉ PAR UN BRUIT INHABITUEL. J'ALLAIS À LA FENÊTRE DE NOTRE APPARTEMENT QUI DONNAIT SUR L'AVENUE DU QUARTIER DU PONT DU LAS À TOULON. JE VOIS LES BLINDÉS ALLEMANDS, VENANT DE L'OUEST PROGRESSER VERS LE CENTRE VILLE. UN PEU PLUS TARD, DES DÉTONATIONS SE FIRENT ENTENDRE, D'ABORD ESPACÉES PUIS DENSES ET ASSOURDISSANTES. +

CQ DE FAV22 VA

3881//6825 kHz, 19-06, 0830 UTC

Suddenly off the air just after the start of the 2nd message.

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

MERCREDI-LEÇON NUMÉRO 23-1/1 VITESSE 720 CODÉ =

JKQNH VXBHD EYSUA WBDHR QKALY VCGRY WNDHR QKNWJ AJAOK UJAOK
QMAUJ YHDTG WQHA ZUSHL AIKDH 35281 BXNDH QMAJK NBCGD XHETS
QJSGZ UJGHC ETSCX WBCGZ AUJSK QKLWP 53829 NXBDJ SWBQK LAPMH
NCJDU YHDIK 16738 NXDHZ UJQHW 1764/ NCJDU HQKAZ BXGDJ QKALI
HNQGB IKJNH XVSHZ QBWNA YTDGS WBQJU AKHDK LQMAP NBXHD YHSJZ
53803 YHDGX //ZSP JNCGD XHNSJ AUJQL ZUYRT 37264 HBXND KAYSL
QMAPO CDHXL WQFG DFVXU ZJSKA SKWNV CHDUT YHSLK 37208 BXNVJ
SKALG TGDJH WBQIL AMPKH BCNDH SJAUG BXVQH ZUJAL HNDJT YHSLA
BWNSJ YHDKZ 28563 BXNDH SKAJY HSQKA UJDMP GBCJD XJSUH NWHER +

MERCREDI-LED, then off.

3881//6825 kHz, 19-06, 1130 UTC

VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

MERCREDI-LEÇON NUMÉRO 23-2/1 VITESSE 720 CODÉ =

AISKQ WNXVD WJAKL PMIJH WNBXH FGRYD XVCHZ KLWXO ZPLIK DFSZJ
TGDIZ WKSUG 46382 PMDHZ HJDKZ WBXHF RYHFK ZUJAK LDHCV XBFGR
IKFOL SLAPM XBCVF RTDGS 27549 JNWKZ AUJDO 53793 KDHCX XBZYS
PLDJT XNDGZ JKSIL WBXCD ZHGSK ZUJAL 6374/ JNXKD XUJZO LWHNC
UJDKZ LSHDP AMLXV DGXVR ZYHSJ AKJHD BXNRY ZHSHZ 37628 BWNJK
KLFGC VXXZL SMAPN BWNSJ KAIUH BXFDT ZUJSL AOLFG XVDHR SHNZI
IKDGC WNSJZ UJAKL SHNXY TGDOK WLAPM DUJXV BDGRT 53872 BWNGR
YHDKZ YHDKZ WBXJZ AUJDL WBNCH FTCSJ AMPLH JNXOE STGZJ WBHDK
ZLKGH UJDHT WCXVF 86364 SHGDU 5637/ BNXJD SKAOP MWSGZ AUJHD +

MERCREDI-LEÇON NUMÉRO 23-2/2 VITESSE 720 CLAIR =

QUATRE MEMBRES DE L'ÉQUIPE - BOLMAR AGUILAR HK1MW, FABER MOSQUERA HK6F, JAIME GOMEZ RUEDA HK1N ET SAL HK1T - SONT ARRIVÉS SUR MALPELO FIN DÉCEMBRE AVEC LE BATEAU DE RÉAPPROVISIONNEMENT DE LA MARINE POUR ÉTABLIR LES SITES D'ACTIVITÉS, INSTALLER LES ANTENNES, PRÉPARER LES RADIOS, LES AMPLIS ET LES GÉNÉRATEURS. BIEN QUE DÉCEMBRE SOIT SUPPOSÉ ÊTRE LA SAISON SÈCHE, ILS ONT SUBI UN TRÈS MAUVAIS TEMPS, AVEC DES ORAGES DE PLUIE QUOTIDIENS. +

MERCREDI-LEÇON NUMÉRO 23-2/3 VITESSE 720 CODÉ =

PLDHS BXJZU QJAKA UVFGR SJNWK AIKDL SPMAO XNCVF XHNCV SHZUJ
PLDHS WBXCS VAUJD FVXGR SHZUJ QKALP KJHNB 67352 IUJHG BXNDH
YHDKZ WBXVF CJERZ QJAKO MLDHB NNBJU 67354 IKDHX 65372 NWJAL
PMHBN XCFSB CPAMK WNSJG VCURT FVXJS UJSKZ WKALP JNBCH TGDIC
UJFHB NXJSF CVFRD XVCBF ZKJSU 637/2 89167 GBCJD UJDKZ WMLON
PMFHC VXJZI SKAPL NXJFY WCXVF SHZYU QJAIK 76491 NVXBF YHFKC
PLKHB NJKSI SLZUH XBCHF YHYTG XVCHD KSHET AVBCK VBXHZ 65371
IJDUY XVDGZ WNXCV SHAUJ WNBXU TGDHZ IKSLA PMWNV XHRTZ BWNSJ
OLFHR VXBSY 35281 WNBXH ZUJDO ALKDH BXNFT WCXVA ZKSLP WMNJD +

MERCREDI-LEÇON NUMÉRO 23-2/4 VITESSE 720 CLAIR =

SIX STATIONS ÉTAIENT OPÉRATIONNELLES SIMULTANÉMENT EN PHONIE, CW, PSK, RTTY AVEC DES TRANSCEIVERS PRÊTÉS PAR LA SOCIÉTÉ ICOM FRANCE : IC-7600, IC-7200, IC-700, IC-9100 COMPLÉTÉS PAR LEURS ALIMENTATIONS RESPECTIVES, AINSI QU'UN COUPLEUR D'ANTENNE AUTOMATIQUE AH-4 POUR ÉQUIPER LE VOILIER \ ETOILE POLAIRE \ SUR LEQUEL UN RADIOAMATEUR DEVAIT EMBARQUER À CHAQUE ÉTAPES AFIN DE FAIRE DÉCOUVRIR NOTRE PASSION ... +

CQ DE FAV22 VA

3881//6825 kHz, 19-06, 1215 UTC

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION).

3881//6825 kHz, 20-06, 0530 UTC

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION).

3881//6825 kHz, 20-06, 9530 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

JEUDI-LEÇON NUMÉRO 24-1/1 VITESSE 840 CODÉ =
GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS
IKGCV 37628 AYSGX WBSUJ YHYTG DHSJQ BHDTR FJAIK WNDHC VZIJK
OLHGF 87452 XVSGR SHWUZ 10964 ETDFX CBSHA WJNHE SHGZU ALSGF
LGBCH XNBWH DSJZU AGWCD QKLAU GBXHR SJHAU YHGDV CLQIO AMLJH
YHBGR ZUJXV WNGSU 46381 BWNDU ZKQLA PLAYG BVXCD WNSHR ZJHSK
GBVCG DJSKZ WKQJH AKLXV WCSGR ZJHSU 65953 BWNSJ AKUJH DGVXT +

JEUDI-LEÇON NUMÉRO 24-1/2 VITESSE 840 CLAIR =
PRODUITES DE 1963 À 1968, LES LOCOMOTIVES 68000 ET 68500 AU NOMBRE DE 80, ONT ÉTÉ ÉTUDIÉES À L'ORIGINE POUR RECEVOIR INDISTINCTEMENT, SOIT UN MOTEUR DIESEL SULZER, SOIT UN MOTEUR AGO TYPE V12 POUR LES 68500 DE 1660 KW. LES MOTEURS SULZER SE SONT PROGRESSIVEMENT DÉGRADÉS PAR RAPPORT AUX MOTEURS AGO. +

JEUDI-LEÇON NUMÉRO 24-1/3 VITESSE 840 CODÉ =
GBXVD QJAUD WNQMA QPLHJ FGCVR QKJHF VXBET SFQGA JKWIR TGQLP
YHDJZ BWNSJ AUJQK 28765 01753 GBCHS WBSJA WNQJK AIKSL QMAPH
YUHDJ SJBSF VXHSF QHAUJ WNQKA IKDGV 63784 BGCJD XNSJR SJHQB
HBCJD WVSJZ 3764/ WNHSF QJHAU RTDGC XMLQI KDHSB XNDGR SHGIM
KJFHC XNWKS ZIJAK WKQLA YHDOL 67849 NXKDJ SHWBS IJDGZ WNBCH
UJDKL WNBCG DFZRS WBWNU ZHSGQ AJHJU 78356 WBXVD QJHND UJDHB
WCXVS QHAMQ WNHZI JQKAL HNBCJ DUJXB VWGDT ZRFSX WNBHU UHFGC
VXHSD WXCSE ZYHQB WNBXH ZUJAL KNJUH BXHDF 65382 BXNSH JQHBX
WNBCH FGDHZ WJQKZ HBXKS IAJHF BXNDK SLKWH DYXHR SKZLF +

JEUDI-LEÇON NUMÉRO 24-1/4 VITESSE 840 CLAIR =
A L'ORIGINE, LES 68000 ET 68500 POSSÉDAIENT UNE CHAUDIÈRE DESTINÉE AU CHAUFFAGE PAR VAPEUR DES TRAINS DE VOYAGEURS, LE MATÉRIEL VOYAGEUR MODERNE ÉTANT ÉQUIPÉ D'UNE LIGNE DE TRAIN ÉLECTRIQUE, ELLES ONT ÉTÉ SPÉCIALISÉES AU FRET. CES MACHINES ONT ÉTÉ AFFECTÉES À NEUF DÉPÔTS DONT CAEN, CHALINDREY, TOURS ST PIERRE ET SOTTEVILLE. DESTINÉES AUX TRAINS DE TRAVAUX EN FIN DE CARRIÈRE, LEUR RADIATION S'EST ACCÉLÉRÉE À PARTIR DE 2003, ET LA SÉRIE S'EST ÉTEINTE EN 2005 À CHALINDREY. +

CQ DE FAV22 VA

3881//6825 kHz, 20-06, 1142 UTC

Started far too late at 1142 UTC instead of 1130 UTC. Normally it should send message 24-2/1 Vitesse 840 codé and message 24-2/2 Vitesse 840 clair. When the transmitter was activated message 24-2/2 was almost finished: RTOUT, UN PLANCHER MOBILE DE COFFRE PERMET ENFIN D'OBTENIR UNE SURFACE PLANE UNE FOIS LES DOSSIERS ARRIÈRE RABATTUS. +

JEUDI-LEÇON NUMÉRO 24-2/3 VITESSE 840 CODÉ =
PLDHS BXJZU QJAKA UVFGR SJNWK AIKDL SPMAO XNCVF XHNCV SHZUJ
PLDHS WBXCS VAUJD FVXGR SHZUJ QKALP KJHNB 67352 IUJHG BXNDH
YHDKZ WBXVF CJERZ QJAKO MLDHB NWBJU 67354 IKDHX 65372 NWJAL
PMHBN XCFSB CPAMK WNSJG VCURT FVXJS UJSKZ WKALP JNBCH TGDIC
UJFHB NXJSF CVFRD XVCBF ZKJSU 637/2 89167 BGCJD UJDKZ WMLON
PMFHC VXJZI SKAPL NXJFY WCXFE SHZYU QJAIK 76491 NVXBF YHFKC
PLKHB NJKSI SLZUH XBCHF YHYTG XVCHD KSHET AVBCK VBXHZ 65371
IJDUY XVDGZ WNXCV SHAUJ WNBXU TGDHZ IKSLA PMWNV XHRTZ BWNSJ
OLFHR VXBSY 35281 WNBXH ZUJDO ALKDH BXNFT WCXVA ZKSLP WMNJD +

JEUDI-LEÇON NUMÉRO 24-2/4 VITESSE 840 CLAIR =
UN ESSAI SUR NOTRE BASE DE MONTLHÉRY A ÉTÉ L'OCCASION DE POUSSER CE LUDOSPACE DANS SES DERNIERS RETRANCHEMENTS. IL TIENT LA ROUTE! IL FAIT PREUVE D'UNE BELLE STABILITÉ. NOTRE TEST DE L'ÉLAN, QUI SIMULE UN ÉVITEMENT D'URGENCE À 90 KM /H, A RÉVÉLÉ QUE L'ARRIÈRE RESTAIT RIVÉ SUR SA TRAJECTOIRE, IMPERTURBABLE. BIEN QUE DOTÉ DE FREINS À TAMBOUR AU TRAIN POSTÉRIEUR, IL AFFICHE DES DISTANCES D'ARRÊT COURTES. +

CQ DE FAV22 VA

then followed by the old maintenance marker SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION).

3881//6825 kHz, 21-06, 0830 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

VENDREDI-LEÇON NUMÉRO 25-1/1 VITESSE 960 CODÉ =
GXBWH QJNAJ QKALO QMLKA UJSHD GBXJW SUZTQ AJHDK SOQMA IKDJS
37281 89374 AIKDH WNBSh APLDJ SKAMP DJSKZ QJAKI QOLAI PDJSH
WBSGZ 37628 QJNAK WJHSU AIKDM SIKAP QMALU QJNHD GDHSJ ZUHQJ
AKJQL IJWNB XKCVD QKAJM SPJHF XHNDJ SUJZO QKKAP WNBCH YHDNW
PLQJU ZIKSM QLKAQ YHDGX 53728 10197 XBDGS QNWJR SJZKA PLAHJ
WVXBD QHAJE SKALP QMLAK JHSGD VXBWN QJHAU SJETS ZJHQB YHSL
APMSH WVCGB FMAPL WNBXJ DYHEU 32763 WNBXH SJZKA ILSJH HJDKZ
WBXVS QJAHJ 28719 YGDHX HDGZU 6735/ WBXJU DGAPM WNQHZ HJSKA
WVXJE SJZHQ AIKSP QLKAU DGCXV WBSHZ QUJAG SJQKZ APMHF UALDP
WNBXJ ZYSGQ 37219 WBXHD YZIGH QKJNI AIKDL WMQPH BCHRT TGSCV
AUJDG WBVXH QKJAP OGDVX WGFRT SHAUJ 45287 BWNSH ZUJAP YHDKA
IOAHG VCFDC XBWHX ZJHNN QKAOL DHSUY //367 GBCJF XJSIK +

VENDREDI-LEÇON NUMÉRO 25-1/2 VITESSE 960 CLAIR =

LE MOTEUR DE L'EMBARCATION DE SECOURS ET D'ASSISTANCE AUX VICTIMES VÉRITABLE AMBULANCE NAUTIQUE, VROMBIT DÉJÀ. DES QUE L'ÉQUIPE CONSTITUÉE DES DEUX SAUVETEURS AQUATIQUES EST EN PLACE, LE PILOTE DÉMARRE À PLEINE VITESSE. LA VICTIME TOMBÉE À L'EAU EST VITE REPÉRÉE. LE PREMIER SAPEUR-POMPIER SE JETTE L'EAU. MUNI D'UNE BOUÉE TUBE IL NAGE AVEC VIGUEUR MALGRÉ LA TEMPÉRATURE DU FLEUVE AVOISINANT LES 2 DEGRÉS. MOINS DE CINQ MINUTES SE SONT ÉCOULÉES DEPUIS L'APPEL. LA RAPIDITÉ D'INTERVENTION EST PRIMORDIALE. LE PLUS IMPORTANT EST D'ATTRAPER LA PERSONNE TOMBÉE À L'EAU POUR LA STABILISER. IL FAUT GARDER SON VISAGE À L'AIR LIBRE. +

VENDREDI-LEÇON NUMÉRO 25-1/3 VITESSE 960 CODÉ =
OKDHS WBXVD QAJAK QLAMP UJGCV DHETS QJHDG XVCJD WKJZI QKJAO
UJFHD WVXJS ZKLQP 28645 SGWBX JQKAO PLAUH /764/ JNFHD UJDKS
IKALO SJDGF CJDLA PMQKX WJFML TYHFK DHNND SJEKZ UJSLK UJDHX
CKDGE SHGDB XNSJZ QKALM PLQK NCHFK 65483 SGBXJ WJSUZ PLGHL
XNBDK SKLZM QNWJZ AHJDK WCXVD 53872 WBNXJ 01875 UJDKL WNBBD
ZYHDK QLKMA HNDJC UJKDL SJHTF SJHTF CBXGR GSHZQ MQJFV PMAUH
BCVFG SHZYA 37619 NWJSY DGSZH QJNWK ZUJAP LQMAY DGCXV IJFHC
XBSPA UJQLW NXVCJ SKEUD OLSPA MQKJG CBFGT JDXKC 20617 DHEYS
WBKHD SJAIO QKLAY DLFGC VSHDF XJSKZ JQKDH XUJEO ZHQJZ AHDJS
WVXKS AUJSK AJNWJ KLQPE SHGDU ZHDFX WBSJZ HDJSI 36287 10638
HSGDT XVDJS KQLAP UJDLS XNFGC ZUJSL PAKLD GBXJS ZJQKA PLWCV
DGXVF CNETS 46382 BXNTG SJAUJ +

VENDREDI-LEÇON NUMÉRO 25-1/4 VITESSE 960 CLAIR =

A TOUS LES BATEAUX NAVIGANT SUR LA SEINE, EXERCICE DE SAUVETAGE ENTRE LE PONT NEUF ET LE PONT DES ARTS, ANNONCE LA RADIO RHF DU POSTE DE VEILLE OPÉRATIONNELLE DU CENTRE DE SECOURS LA MONNAIE. GRACE À UNE FRÉQUENCE COMMUNE, LE MESSAGE VIENT D'ÊTRE TRANSMIS À TOUTES LES EMBARCATIONS CROISANT SUR LE FLEUVE. PILOTES DE PÉNICHES, DE NAVIRES DE PLAISANCE ET DE BATEAUX-MOUCHES, TOUS CONNAISSENT LE SECTEUR OU ILS DEVRONT RALENTIR. PENDANT CE TEMPS, AU CENTRE, LES SPÉCIALISTES EN INTERVENTIONS AQUATIQUES SE PRÉPARENT POUR L'EXERCICE. ILS ENFILENT LES TENUES HUMIDES DE PLONGÉE ET AJUSTE ET LES MASQUES ET LES TUBAS. LE BATEAU SE RAPPROCHE. +

CQ DE FAV22 VA

3881//6825 kHz, 21-06, 1130 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

VENDREDI-LEÇON NUMÉRO 25-2/1 VITESSE 960 CODÉ =

GVXHS WNQHA IKDLS MWPZY DGSHA NWJDU DGRUJ WKLSP NJWKE UJSHZ
OKHJD BXHRT 36271 IUJFG CBSJZ WHNSL KOLWM AUJDG XBCFV WHNSK
OLMQH AYHDG XVCFD BWJZU XIDKC XKJDU HNDIC VPMRY 65378 KLSGQ
WNBBDH XVCUR CIKDL PMSVR XVCHF YHFKS ZUYHS 56372 BWVDY IKDHY
XBCJS GBWJZ UJWKL JKDBV YHCIR YHXVF GBFYR DFSCZ UJVFC FVCHD
FKSLR WCXVH HNFLA PHFCT WVXHZ QJHAU 67354 BXHDY WBXHZ GFCUJ
SHRTF CJGUH 10964 GBCHS WBXUY TGDJZ 652/3 BXHSJ WKAPL PMDHV
BXGRT DFXCS JNCGV YHXJZ JWKAU KLWUJ HNCRD XVCHZ YHWJZ PLGCV
TGXLA PMWJD WFGRT CJSIZ WNXGD YHDGV 64829 IKFHC BXHDL VHUUJ
VCXGR YHSPA PKLDU LWJDY GHFUC VXYRT DGSZH LKFHT KHDYT XVDJK
10746 GBDXJ KSHKH KDPAY GXVDJ WCXJR UJDKA VWBSH AUJDO LQMAU
64382 HBWMD JSKZU JQKAL PMWJB +

VENDREDI-LEÇON NUMÉRO 25-2/2 VITESSE 960 CLAIR =

FIDELES A LEUR DEVIS " SAUVER OU PÉRIR ", LES SAPEURS-POMPIERS DE PARIS VEILLENT NUIT ET JOUR SUR LA " VILLE LUMIÈRES " ET SA PETITE COURONNE. INCENDIES, SECOURS ET ASSISTANCE AUX PERSONNES EN DÉTRESSE, RECHERCHE DE VICTIMES, TELS SONT LES PRINCIPAUX MOTIFS DES INTERVENTIONS QUOTIDIENNES DE CES MILITAIRES DU GÉNIE. AU SEIN DE LA CAPITALE, TRAVERSÉE PAR LA SEINE ET PLUSIEURS CANAUX, CERTAINS ONT CHOISI DE SE SPÉCIALISER EN MILIEU AQUATIQUE POUR AGIR DANS CE DOMAINE AUX RISQUES SI PARTICULIERS. ILS INTERVIENNENT ÉGALEMENT EN SURFACE NON LIBRE, SOUS GLACE, DANS LES PARKINGS SOUTERRAINS OU LES SOUS-SOLS INONDÉS. +

VENDREDI-LEÇON NUMÉRO 25-2/3 VITESSE 960 CODÉ =

UJDKX VBDJZ WNSHQ XVDKA OLQLP OKHNC VHFUR SHNXJ WVXHZ JSKZI
OLDJH VCJSU ZYDFS WBXJS 37281 KJNCG TGDHS 7359 / JNWKS YHDKS
OLSJU YHSPL WNDHZ CIAHV XVCGR AIKSP LIJFT 52847 GBWCV VCHFP
AIKDM SJWNX KAUJD LSORV CHFDZ WHNSJ AIKDP MIKJY HBFVJ LDGCV
XBSKZ 63829 UJSLA BWJRY FLQPA MLJIT CHFVZ SBXJS UJQKA ZNWHF
YHDKZ SHXVC YHZKQ WBXJZ 53826 ZUJDL NBXJD YHAPS XVCJF 18548
YHDIK XBCKS ZUHDK WNXKZ KIOSL HNWJS THZLP WBXKS YHDGV UJSKZ
VXYRP SJXLZ WNXKF CJSUR CKSUZ WHNCP LXIET DGSUZ 36528 NBCVX
UJSKA ZUSFC XVXVX HNXJS IKWLZ OPAJB GVFBH JSYRT FGCJS KJDGS
6382/ JNCJD XYHRI SJZIS /4637 XHNDJ SKAPL YHDUT JKDGC BXNQK
YTSHA WBXJM XKLDU LDLDU BCHVN GBCJR XVCHU TIGLD UJDKZ 65382
BWJSU AKSLQ WPETD GVXJD JSKZI JDHCV XNSKZ +

VENDREDI-LEÇON NUMÉRO 25-2/4 VITESSE 960 CLAIR =

L'ARMÉE DE TERRE A DÉCIDÉ DE PROPOSER DEUX NOUVELLES DURÉES DE CONTRATS À L'ENGAGEMENT INITIAL, POUR OFFRIR DES PARCOURS PROFESSIONNELS PLUS ATTRACTIFS ET ALLONGER LA DURÉE MOYENNE DE SERVICE, EXPLIQUE LE LIEUTENANT COLONEL, DU BPRH DE LA DRHAT. L'IDÉE C'EST, D'UNE PART, DE RÉDUIRE LA PRÉCARITÉ INHÉRENTE AU STATUT DE CONTRACTUEL ET, D'AUTRE PART, D'OFFRIR AUX MEILLEURS CANDIDATS À L'ENGAGEMENT DES PERSPECTIVES DE PARCOURS PLUS AVANTAGEUSES. POUR DISPOSER D'UN VOLUME CONSÉQUENT DE MILITAIRES DU RANG À LA FOIS JEUNES, FORMÉS, ENTRAÎNÉS ET EXPÉRIMENTÉS, L'ARMÉE DE TERRE A DÉCIDÉ QUE LA DURÉE MOYENNE DE SERVICE DE SES ENGAGÉS DEVAIT ÊTRE DE 8 ANS. +

CQ DE FAV22 VA

3881//6825 kHz, 22-06, 0700 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI 6/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =

CBHSJ WIEUD XSKLD VNMDU AQSKD XZBNC PEOLF CDEIR CNDJA 35089
VSHWY ,.?/= LDKFE SWQOA XNSDJ CXNSI DWOLA DSPOW XSIRU WUFJD
,.AS?VA VDFWY 52301 AQISJ XBDGW DIEOA MCNSA CMDPO VLDKW CNQMI
CMSNR 54023 MCKWP ,.VA'/ CLXSP EURJF VNDHS WKDJU CNVMD EKDLA
ZXWOD LCMDJ 19358 XAYFJ ?.,AS' ZSIWU DJFNE MCNDJ SQKGF HCBEP
CVSWU FKEIH CNVEI 49832 KGIRU ,.?/AR SAJQC NCDJF BSJAQ XZLSP
SIWJD BCNSU LVFKO SQPEU 23684 KFUWN ./VA'AS HCDJW NCSKW KSWOD
BCNDJ NCDHE LPDOE NCHDF ZAIQU 20369 HDEUM .?./= GDYUW NBDLP
YDHJA +

SAMEDI 6/LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =

CETTE ACTIVITÉ DIVERSIFIÉE IMPOSE DE DÉVELOPPER UN SAVOIR FAIRE PERMANENT EN MATIÈRE DE TRAVAIL COLLECTIF CAR LES TRAVAUX SONT LE PLUS SOUVENT CONDUITS PAR PLUSIEURS CONTRÔLEURS AUXQUELS UNE CINQUANTAINES DE COLLABORATEURS CIVILS ET MILITAIRES APPORTENT LEUR CONCOURS ET LEURS COMPÉTENCES PARTICULIÈRES. POUR PRENDRE EN COMPTE L'ÉVOLUTION DES BESOINS EN MATIÈRE D'INFORMATION, POUR AMÉLIORER LE TRAVAIL COLLABORATIF EN SON SEIN OU POUR THÉSAURISER LES SAVOIRS ET SAVOIR-FAIRE DE SES MEMBRES, LE CONTRÔLE S'EST DOTÉ D'UN OUTIL DE GESTION ET DE PARTAGE DES CONNAISSANCES. +

CQ DE FAV22 VA

3881//6825 kHz, 22-06, 0830 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI 6/LEÇON NUMÉRO 1/3 VITESSE 1200 CODÉ =

MXSKW NCJDA KDOWP BCMJK AZMNS SKWID NXSOQ NXSDF HJCSI 26530
BCHSW .,='VA BZAH A CXSHA JAQIS NXZKA LDKIW CBSHA ZALOQ BXNSJ
02148 MDYUG ?/. ,AS ZAQIS HXAKQ XMNSA AQPOE CNSHW LDOJF XNWMA
LDKOW 48901 SHWTD /.?', MVKDL SAHQB XVSHD DJWIF SALOJ NCSJS
QAQSD NNCJE 74302 DRWED ?/.VA' NVBXC NSWPO NDEYJ DJKED AXZVS
NVLRU LDPEJ WRSFU 43269 HGKRO /'AS,? KDWIC SNSJW VZWPO LFMKR
DREGN MCEIS MCKDO AFQTH 01658 GSWPO .AR',/ NSYWP ASQEZ NXHWY
BXWJK LFPEI CNMWI ZCVQT MVIEW 49635 KFUEI VA.'AS/ VXBAQ KAOWP
BCHWQ CVDBE FKEIS QEAFY CBDFW VFLPE 41203 SPIJG ?/'VA' ZAJSU
VXBHQ XHQJS BXBWH ALPQE BCBDY CBXBX NXWPO ?.,'/ GDWYD 56320
AZNXM WLJSS FSWTH BXVCS VMKDA ZBCYQ LSOPD VCNWM 93502 JDIWK
?.,VA, ZAUSH BDHWA BXVSG GDYWL POFKE NDJAI BCVXA MQIKD MVLAO
56398 KDOWL .,=' / JXUWG GDJAL PLGOE +

SAMEDI 6/LEÇON NUMÉRO 2/3 VITESSE 1200 CLAIR =

MEKHISSI LES SUIT, PRÊT À RÉAGIR QUAND MUTAI COMMENCE À ACCÉLÉRER, FERMANT VIRILEMENT LA PORTE À L'AMÉRICAIN JAGER. IL N'EST PAS PERTURBÉ QUAND, À 700 MÈTRES DE L'ARRIVÉE, LE TENANT DU TITRE, BIMIN KIPRUTO, CHUTE TOUT SEUL. IL SE RELÈVE, REJOINT VIE LA TÊTE DE LA COURSE, MAIS PERD SON SCEPTRE DANS CET EFFORT. MEKHISSI N'A PLUS ALORS QU'UN SEUL ADVERSAIRE À SA MESURE.EZEKIEL KEMBOI, DÉJÀ SACRÉ EN 2004 ET DOUBLE CHAMPION DU MONDE. IL LE SURVEILLE, MAIS PAS ASSEZ. C'EST UN RENARD, CE KIMBOI, COMMENTE LE FRANÇAIS. ON ÉTAIT À TROIS CENTS MÈTRES DE L'ARRIVÉE, J'ÉTAIS QUATRIÈME, CONCENTRÉ SUR LE FRANCHISSEMENT DE HAIE ET C'EST À CE MOMENT-LA QU'IL A ATTAQUÉ. C'EST VRAIMENT MALIN DE SA PART. C'EST LÀ QUE JE PERDS LE TITRE (8'18'56 POUR KEMBOI ET 8'19'08 POUR LE FRANÇAIS). +

CQ DE FAV22 VA

3881//6825 kHz, 24-06, 0830 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

LUNDI-LEÇON NUMÉRO 01-1/1 VITESSE 420 CODÉ =

YETSR AUSHQ BWJSU APLMQ BWNSH ETSFZ WCQJA UWKQI NDHRT XCWJA
MQKAU 26438 BXHDY ETXCQ WNBHJ EUIKL AMPLI NWXXV SHATD WNQHA
UAYDG XVWBD XNQJU ZKQLA MPWNH JDUET XVCHD SNWJE SKQJA JAKSB
JAKLO NHDFE 45768 NXHDT WCDGJ NQKAI OLQUA NWJET QFAIJ LOAUY
KALIU YHDKL NXCDG 35476 BWNQH AYHSK 19065 NCJRT XCSJU IKAOL
NXJDG FTEUS WNQKI ALPMQ ETDFX 46738 NCBXJ QKALO +

LUNDI-LEÇON NUMÉRO 01-1/2 VITESSE 420 CLAIR =

CE SAVOIR FAIRE RECONNU S'EST ADAPTÉ, AU FIL DU TEMPS, À L'ÉVOLUTION DES ARMÉES ET DE LEURS BESOINS .L'ACHAT DE MOYEN D'USINAGE DE DERNIÈRE GÉNÉRATION ET LA RÉNOVATION DE MACHINES CONTRIBUENT AU MAINTIEN DES COMPÉTENCES TECHNIQUES DU GROUPE. SPÉCIALISÉE DANS LA DÉCOUPE, LA MISE EN FORME ET LE SOUDAGE, LA PREMIÈRE LIGNE EST DÉDIÉE AUX COMPOSANTS D'ARMES. +

LUNDI-LEÇON NUMÉRO 01-1/3 VITESSE 420 CODÉ =

GDHET SHQUZ SHQJA KSLQO EYIDH XNDHE SUJZO ALQNP LOKJH NCHFG
IKFHE CBDGS XNWJS QKAIU EYDGS ZUJSI AKNBC XHDE 46328 JQKAI
NWBXG DVXHE ZUJSI 35276 BXNDG SJQUZ AKJIO DLSME DHRTF KJFOL
XNCLD ELSDH RLDHC VNDHR XKSLQ AMZIA DJZOD XNCVD SHQJD 87564
LAUJF CVXBS WNQJT DGSUJ WKQLM PAKNP DNKXD WNQJZ AJNBC MAJFG
XYZUJ 37828 DJNXJ QKAIU CNXJD WJNDG SHZKL QMPAL +

LUNDI-LEÇON NUMÉRO 01-1/4 VITESSE 420 CLAIR =

LA TOUR EIFFEL, LE MUSÉE DU LOUVRE, NOTRE DAME DE PARIS, LA BASILIQUE DU SACRÉ CŒUR, OU BIEN ENCORE LE CHÂTEAU DE VERSAILLES SONT LES DESTINATIONS PRÉFÉRÉES DES TOURISTES À PARIS DURANT L'ÉTÉ.

ALORS QUE S'ALLONGENT LES FILES D'ATTENTE ET QUE LES PETITES RUES COMMERÇANTES DEVIENNENT VITE IMPRATICABLES, LES MILITAIRES VIGILANT SONT TOUJOURS LÀ. +

CQ DE FAV22 VA

3881//6825 kHz, 24-06, 1130 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

LUNDI-LEÇON NUMÉRO 01-2/1 VITESSE 420 CODÉ =

GDHJ ZUSGQ WBXVD XNAIK QLANP XNWBD QJEUD AIKJU RTDGS DFQJU
PAMLK CNDYE ZISJW QNDHE AUZRE SGQJA KLPAU NXHDT RUSHZ QJUHR
JHBTR VXGRY 46278 QJAUH WTERS 10963 SNBXH RTDFS AJKIU YHSTR
UJYHT DFSRZ AMQPO KLIYH DFSGC XVSCX WNBQH ZRATY 46378 SJQKA
YHUTG BCHDT RFSHA QCWGD SJQKI LMPAU JHNBV CGETD SHQYZ AUJHG
YHNBG CVFRE SCXWE ABHJK LQJUY NHBGR CVXGF DGSU JKLUY TGFVC +

LUNDI-LEÇON NUMÉRO 01-2/2 VITESSE 420 CLAIR =

LES PRINCIPALES MISSIONS DU TRANSAL C160-R18 ÉTAIENT HUMANITAIRES ET MILITAIRES, DONT BIEN SUR LE SAUVETAGE DE KOLWEZI QUI A EU LIEU EN MAI 78 DANS LE ZAIRE ACTUEL CONGO KINSHASA POUR DÉLIVRER DES OTAGES EUROPÉENS RETENUS PAR DES REBELLES KATANGAIS DANS CETTE VILLE MINIÈRE. L'OPÉRATION RÉUSSIT PARFAITEMENT PUISQUE LES OTAGES FURENT LIBÉRÉS AVEC DES PERTES HUMAINES (MILITAIRES) LÉGÈRES. +

LUNDI-LEÇON NUMÉRO 01-2/3 VITESSE 420 CODÉ =

HBCGD QJAKL QMAPL NWJDG ETSDA BWHQK AIKSG DFXCV DPLAM WNGHC
XBDUE IKDHS XVWHQ AOLZP MQKJU NCHDF XVWHE SYHVG DHSUA ZNWJS
83725 JSHT 37627 QJNXV CHZRS WKQIJ ALMPQ HNCVX HDUJR MLQOA
NXJWC SHQYT RIZGF VXBSU AJSKQ WNHUA ZIKSL QMNJK XVCGR PLA0J
NBCHF XHSDW ZTAGF 34267 XVWHQ AUJSD XVCLK CBXGD OLAUJ NVXBD
SFAJU HWCJS QKLAP MNJKG VBXHD WCGFS WFRZ +

LUNDI-LEÇON NUMÉRO 01-2/4 VITESSE 420 CLAIR =

MADAME LA DIRECTRICE DU MUSÉE DE L'AIR ET DE L'ESPACE CATHERINE MAUNOURY DOUBLE CHAMPIONNE DU MONDE DE VOLTIGE AÉRIENNE EN 1988 ET 2000 EXPRIMA AVEC UNE CERTAINE ÉMOTION TOUT L'HONNEUR QU'ELLE RESSENTAIT DE RECEVOIR CE TRANSAL. AU PASSÉ GLORIEUX AU SEIN DE LA FLOTTE DU MUSÉE. DISCOURS TRÈS TOUCHANT D'UNE FEMME TOUJOURS PASSIONNÉE PAR L'AVIATION. +

CQ DE FAV22 VA

3881//6825 kHz, 26-06, 0830 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

MERCREDI-LEÇON NUMÉRO 03-1/1 VITESSE 720 CODÉ =

CWXSD QGBAH DNXJR IKQLA PMOLI 19756 VXGDT ELAMP QNWJE DGFTR
IKUHY BCGDT ERXFS QJKLM APOIU NBVCX WGDFF QJAUJ ETSFX WBSHA
OLAPM NWJDT DFEYZ 37628 NWBXC DFSTA 18649 NXJDY QKLIJ NBVGT
UJDFX WBCDF CHETZ QJHAU NWKJI SLQOP MAIUI NDHXC FVXWL NQJET
YUETF CBXHD SJAIN 46392 JNXHR WXQKJ LMAPO NJHGY BCHDT WJHSU
UJIKO QLAKI JNHYT BCDVR SKLQP AUJXC VQHUE BXUET YAHSK 67494
QMAPY JKGFT CVXBD SFAUJ QKLPA MQBXH CVDTE SHJUY NWKQL AMZHA
JNHDF ETXCW WXHSZ VBQHA NJKHM POIUY UHDFE XVSFG 45673 UJGDT
VCDFF SCWXQ BHJUI LKAMP NXMGO BCJFT XJQUE DGXUA ZHJSF +

MERCREDI-LEÇON NUMÉRO 03-1/2 VITESSE 720 CLAIR =

DÉVELOPPÉ À PARTI DE LA SECONDE MOITIÉ DU XX SIÈCLE AU SEIN DES GRANDES PUISSANCES AÉRIENNES, NOTAMMENT PAR LE BIAIS D'EXERCICES INTERNATIONAUX TELS QUE RED FLAG AUX USA OU LE NATO TIGER MEET EN UE, LE CONCEPT D'INTEROPÉRABILITÉ S'EST LARGEMENT DÉVELOPPÉ ET À MONTRÉ TOUT SON SENS. IL AURA FALLU ATTENDRE LE DÉBUT DES ANNÉES 90 ET LA 1ÈRE GUERRE DU GOLF POUR QUE L'INTEROPÉRABILITÉ CONNAISSE SA MISE EN APPLICATION RÉELLE, EN COORDONNANT 1000 SORTIES INTERALLIÉES PAR JOUR. ELLE FAIT DÉSORMAIS PARTIE DE NOTRE QUOTIDIEN. +

MERCREDI-LEÇON NUMÉRO 03-1/3 VITESSE 720 CODÉ =
 VXBSG ZTQFA KLQMP AIKDG ETSFZ WCQHA 26718 NDGET SCWVD 35427
 KLQHR BXHRT ZUSHQ WVXCD AEZYU JKOLP QMATY BCHDF XHSUJ ETSFZ
 IKOLE SGAUE XVSQG WNDXC DFEJQ LAMPW 36278 BXHDU ZJWNQ KLAUH
 IORTD CGDUE SHQJZ WBSJE DHAIJ DGSKL NWJHG FVXCD FUYTI HDNXV
 IKDGR FHBCV DFDFF ETSGD XHSFE ZYSUA JNWDH SJHUI TGFHE KHFTF
 GHFGC VBGHY JWKSL QMLAO LUJHG VNJKL XNDHT JKILD XCSVZ KLHGF
 56473 SGETF XBDGE XGSTE ZHUAI QKAI0 46378 45381 SUJAU OLETD
 QMLOA 26480 JDGTE XVSFZ QHAJF VNDKI RUHFG CBXHD ZUJSL IKLOJ
 KQUET FKCBF DHGXV CNFGC DTFGR SHJAK WLKQO MAPKI NBHTG +

MERCREDI-LEÇON NUMÉRO 03-1/4 VITESSE 720 CLAIR =
 L'ARMÉE DE L'AIR EST PRÊTE ! C'EST EN MAI 2013 QUE LE PREMIER A400M DEVRAIT ARRIVER. L'A400M ATLAS, DANS LA
 MYTHOLOGIE GRECQUE CE NOM EST CELUI D'UN TITAN CONDAMNÉ PAR ZEUS À SOUTENIR LE MONDE. DANS LES STARTING-
 BLOCKS DEPUIS PLUSIEURS MOIS, L'ARMÉE DE L'AIR EST PRÊTE À ACCUEILLIR CE CARGO QUI VA RÉVOLUTIONNER LE TRANSPORT
 MILITAIRE : DE NOUVELLES MISSIONS, DE NOUVEAUX MÉTIERS ET DE NOUVELLES TECHNOLOGIES. L'ANNÉE 2013 SERA UNE
 GRANDE ANNÉE AVEC LA FORMATION DES PREMIERS ÉQUIPAGES. +

CQ DE FAV22 VA

3881//6825 kHz, 26-06, 0915 UTC. Combined M51a and M51b traffic.

Endless streams of 5-character groups (M51b) composed of various M51a lessons. Below a small part of the traffic that I have copied. As you see they just sent the groups, not the lesson headers. There was no separator between the messages, they were sent as one block. I inserted the separators to show the messages.

GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS
 IKGCV 37628 AYSGX WBSUJ YHYTG DHSJQ BHDTR FJAIK WNDHC VZIJK
 OLGHF 87452 XVSGR SHWUZ 10964 ETDFX CBSHA WJNHE SHGZU ALSGF
 LGBCH XNBWH DSJZU AGWCD QKLAL GBXHR SJHAU YHGDV CLQIO AMLJH
 YHBGR ZUJXV WNGSU 46381 BWNDU ZKQLA PLAYG BVXCD WNSHR ZJHSK
 GBVCG DJSKZ WKQHJ AKLXV WCSGR ZJHSU 65953 BWNSJ AKUJH DGVXT

GBXVD QJAUD WNQMA QPLHJ FGCVR QKJHF VXBET SFQGA JKWIR TGQLP
 YHDJZ BWNSJ AUJQK 28765 01753 GBCHS WBSJA WNQJK AIKSL QMAPH
 YUHDJ SJBSF VXHSF QHAUJ WNQKA IKDGV 63784 BGCJD XNSJR SJHQB
 HBCJD WVSJZ 3764/ WNHSF QJHAU RTDGC XMLQI KDHSB XNDGR SHGIM
 KJFHC XNWSK ZIJAK WKQLA YHDOL 67849 NXKDJ SHWBS IJDGZ WNBCH
 UJDKL WNBCG DFZRS WBWNU ZHSGQ AJHCU 78356 WBXVD QJHND UJDHB
 WCXVS QHAMQ WNHZI JQKAL HNBCJ DUJXB VWGDT ZRFSX WNBHU UHFGC
 VXHSD WXCSE ZYHQB WNBHX ZUJAL KNJUH BXHDF 65382 BXNSH JQHBX
 WNBCY FGDHZ WJQKZ HBXKS IAJHF BXNDK SLKWH DYXHR SKZLF

GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS
 IKGCV 37628 AYSGX WBSUJ YHYTG DHSJQ BHDTR FJAIK WNDHC VZIJK
 OLGHF 87452 XVSGR SHWUZ 10964 ETDFX CBSHA WJNHE SHGZU ALSGF
 LGBCH XNBWH DSJZU AGWCD QKLAL GBXHR SJHAU YHGDV CLQIO AMLJH
 YHBGR ZUJXV WNGSU 46381 BWNDU ZKQLA PLAYG BVXCD WNSHR ZJHSK
 GBVCG DJSKZ WKQHJ AKLXV WCSGR ZJHSU 65953 BWNSJ AKUJH DGVXT

GDJSF WHQGF XVCHR LAHJD XJHDG QLAMO MAJKE YHDJS WBSKA UJDHS
 LAPMD WJNXV DGRTS AUJDK 56287 WBCJD AJHCU 78352 WBXVC YHDGS
 WBXLA PMQKU YHDKQ LAPOI BXNWJ THSUZ QHAGU JDSKI 67389 UJDHS
 YHLPK WJQKA MLGHD JQKYH XVWOL YHSJE 63528 HNXJD SKZUA PMAJG
 JOALK XNBWJ SJHQL MAPKI HDJRT SGDFX MQPAU 56483 GVXHS WBSJZ
 IKAGH WBHDL AOKSH QMAPH WBXHR SHZYA 67382 VWBXH SJZUA QJAHG

FSIIF VNFJD BCTWL CBXND QIWUD CNCZZ MNHLP YVBFS QEAXC 32569
 VCSGW ,.VA' / QRXVC VMFKE PTOIY MJFSD AQEZC VNFMG LGKHI POUIY
 87965 NCJKW .?', NMGKT LHPTO YHJJD RFNAR CBDVJ ZXSDW QAWOY
 OPIYU 45698 BCSHW .?', AR' LGOTM VCGFB ZCSFW BGHUT LHKYP ERTWY
 QIUOF MVNFH 02368 BCSMW ?.VA, MBNCX VFGER POQAS XCFDE JGHNF
 LKWUE VBCND MLFKG 54796 BSHWL ='.? ASQEX VMDSO EWGDD LBKGI
 ',.?. NCDJE 25893 HDJEE LHKTP ZCXAQ BFGEE SHQUK KDLGX ASDWG
 VBNFK 26318 BSHWK 36980 KHJCM LGDHJ CBETJ AQWOT etc. etc.

Then a couple of actual messages, expected on Wednesday.

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

MERCREDI-LEÇON NUMÉRO 03-2/1 VITESSE 720 CODÉ =
GDFSQ BWCXV SDARF STYUI QLOMA YTGDF RTGSR ZCWVS QNHNB VCGFT
PMAIK NCVXG QJKIH KAUER SQFZR ATGDT 45273 KQLAP MOAUJ BCNGY
YHTGF DJSUY RTZWX QCAVB 20197 HNDVX RYEGH DKJBD CNBVX WJQUW
YHDGE ZUSHQ WNBXV ZUJAI KQLAP MQNHJ WKJIU YDHGF ETSFZ WMAPL
YHUGF XBWHZ QJAHU WKQLM 37265 WVSDA BWNJK QLAPM OLQJH NWJIO
TGETS WVXCQ AMPJU WNLQI KQLHJ 46276 WCXVD QGBNH AZUJK QLAMP
PMLKJ NWBVF CHERZ AYHSU WNBJU YHSDQ WGBDV 34269 WNBVG QJAKI
IKJHB CVXFE ZRSFQ AWNHJ QKALI NWBCG RTFSV 18056 XCDVF 25472
YHDGX WNBQJ AUJGD WJNKL QMAPO LUJKD XCWVS ZRFAT WHQJY BUHFS +

MERCREDI-LEÇON NUMÉRO 03-2/2 VITESSE 720 CLAIR =
LA MEILLEURE FAÇON DE MARCHER (1976) AVEC PATRICK BOUCHITEY, PATRICK DEWAERE, CHRISTINE PASCALE... DANS LES ANNÉES 60, EN FRANCE, PHILIPPE, UN MONITEUR DE COLONIE DE VACANCE, EST SURPRIS DÉGUIsé EN FEMME PAR MARC, UN COLLÈGUE. SI LES DEUX HOMMES GARDENT CE SECRET BIEN ENFOUI, LEUR RELATION DEVIENT DEPLUS EN PLUS TROUBLE, ENTRE DÉSIRS, FANTASMES ET HUMILIATION. DEUX ANS AVANT, LES VALSEUSES, DE BERTRAND BLIER, AVAIT JETÉ UN PAVÉ DANS LA MARE DE LA BIENSÉANCE DU CINÉMA HEXAGONAL. =

MERCREDI-LEÇON NUMÉRO 03-2/3 VITESSE 720 CODÉ =
YUTGD SGQHA ZBWHF QMAOL KQIAH DVXCW GERSF HQJUK XNWHR 37628
PMLAY DGCXV WNHYE XYCJV DHSRZ AYHSF QUJWC XLOKQ WVDFT UJXVE
AOLCG WUJFO QLKAY 45201 XBWHR SYHFU AJLQO WBCVF DOLSM TGCXV
WNQJA 28927 CVDJR TYDIO QLKAG CBVXH QXWRF ZJQKL APMWN OLHYT
XBVXH SHNWJ QKALP MQJNH BCFVR STGZU QJNAI QKALP QMAYN UYTFG
CVXGR CWOLA 37287 XBWNG SHQUJ ZUJSK WXSOG CLPMA ZNJKU YHNBG
XBCFR SJKAY LCGDO WPMJH NXCDT ZUJSF AWJKL QPMAU JKQCV YHMLD
VCGRT SDZJK AHNBX 36829 WNBGD RTSGZ 25617 XVCHD WJKQI UJHTG
BCNDR SFZCW QHJKA LWOKY NCGRF XFLFL DFERS MFMFM +

MERCREDI-LEÇON NUMÉRO 03-2/4 VITESSE 720 CLAIR =
UN SECRET (2007) AVEC CÉCILE DE FRANCE, PATRICK BRUEL, JULIE DEPARDIEU,... A PARIS, PENDANT L'OCCUPATION, MAXIME VIT UNE PASSION ADULTÈRE AVEC SA BELLE-SŒUR, TANIA. DANS LE MÊME TEMPS, IL ORGANISE LA FUITE DE SA FEMME ET DE SON FILS, A LA CAMPAGNE POUR LES PROTÉGER DES RAFLES. C'EST LE DÉBUT D'UN DRAME FAMILIAL. AVEC CETTE ADAPTATION DU ROMAN DE UN SECRET DE PHILIPPE GRIMBERT, CLAUDE MILLER REND POUR LA PREMIÈRE FOIS HOMMAGE À SA FAMILLE DÉPORTÉS ET EXTERMINÉS PAR LES NAZIS. +

CQ DE FAV22 VA

Followed by non-stop 5-character groups (N51b), composed of various M51a lessons. .

GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS
IKGCV 37628 AYSXG WBSUJ YHYTG DHSJQ BHDTR FJAIK WNDHC VZIJK
OLHGF 87452 XVSGR SHWUZ 10964 ETDFX CBSHA WJNHE SHGZU ALSGF
LGBCH XNBWH DSJZU AGWCD QKLAU GBXHR SJHAU YHGDV CLQIO AMLJH
YHBGR ZUJXV WNGSU 46381 BWNDU ZKQLA PLAYG BVXCD WNSHR ZJHSK
GBVCG DJSKZ WKQHJ AKLXV WCSGR ZJHSU 65953 BWNSJ AKUJH DGVXT

GBXVD QJAUD WNQMA QPLHJ FGCVR QKJHF VXBET SFQGA JKWIR TGQLP
YHDJZ BWNSJ AUJQK 28765 01753 GBCHS WBSJA WNQJK AIKSL QMAPH
YUHDJ SJBSF VXHSF QHAUJ WNQKA IKDGV 63784 BGCJD XNSJR SJHQK
HBCJD WVSJZ 3764/ WNHSF QJHAU RTDGC XMLQI KDHSB XNDGR SHGIM
KJFHC XNWSK ZIJAK WKQLA YHDOL 67849 NXKDJ SHWBS IJDGZ WNBCH
UJDKL WNBCH DFZRS WBWNU ZHSGQ AJHJU 78356 WBXVD QJHND UJDHB
WCXVS QHAMQ WNHZI JQKAL HNBCJ DUJXB VWGDT ZRFSX WNBHU UHFGC
VXHSD WXCSE ZYHQK WNBHX ZUJAL KNJUH BXHDF 65382 BXNSH JQHBX
WNBCH FGDHZ WJQKZ HBXKS IAJHF BXNDK SLKWH DYXHR SKZLF

VXSYW JSJPO APQOI VCBSh ZXSKL NMVCB EUYSJ KLJHS VCBXH 02564
BCDFW ?AR., ' LPDOU XNCBM XZSAD VCBSh NOLEP VCBSh RYTUI MDJSI
, '.?/ NSACQ 58401 KDOEP VMDKW LDOUA ZSWOJ BCNDH KDUEI VCNAQ
ALPCI 48932 LPOEI ,/.ASVA ZAQID BBCDJ ALKSO XBCHS SJWIX BCNCJ
CMSKW CZFST 12036 SAWQD .?=? ZNXJS QPLOS DHDWU XBCNS AJSWI
XETYC VNMSK AQOIW 89564 JGUYI ?/., ' JQIAL OILPU XVAGW DHFGR
VNMEI SAHWU DDPLI CBSJW 23561 VSDWR ?. ,VA' NCP0E XBSHW SKWOP
SABWU CBEYD NBMCK SAJWU XCVWY 43692 BCHWJ .?/AS. CXAFQ JFILH
MNLFP

JDIRB SLVIE MNAPO BKHYX VLSDP HTFZI LAFGH INVRC SOPEF 62894
VSQHE .,=?' ZCXSA CDGET NVYUQ ASWOP FJEIR YGVD0 PKFUC EXUNF
00511 BSYDH .,?/AS SOUPE KESYB MDGUC AQNRI SWIDF ZOEPL CNDKE
RWODK 85236 CAXWS .,VA' / XLASD RRBGI GBUDE FKHDx TUYOP EDSXW
WQAZX OPLMN 25984 CARSD ASAR',? AQPON CNDKW XMAKW DLWPE RUGBY
ODFRT BHGCD ORMWX 96547 CMVNR ., /VA? LAOSW JDIWH XZNSJ BMNEO
RITOF WEISJ SLWOD CBZMA 32698 LFOTP . /ASVA' BUHDE MYJHG VDUNH
WLODC TYHGB MILKY TUTUT NDCIN 98720

Ends without sign off. Later on, the station sent more endless 5-character groups for hours in a row.

3881//6825 kHz, 27-06, 0444 UTC, M51b

5-character messages: NVCMD CBSNW NSKKS NCNSW PLW0E CVCSh QYSUW NCPSh ALQKO 02365 ...

3881//6825 kHz, 27-06, 0650 UTC, M51b

Endless 5-character messages. There was no separator between the messages, they were sent as one block. I inserted the separators to show the separate messages.

GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS
IKGCV 37628 AYSGX WBSUJ YHYTG DHSJQ BHDTR FJAIK WNDHC VZIJK
OLHGF 87452 XVSGR SHWUZ 10964 ETDFX CBSHA WJNHE SHGZU ALSGF
LGBCH XNBWH DSJZU AGWCD QKLAL GBXHR SJHAU YHGDV CLQIO AMLJH
YHBGR ZUJXV WNGSU 46381 BWNDU ZKQLA PLAYG BVXCD WNSHR ZJHSK
GBVCG DJSKZ WKQHJ AKLXV WCSGR ZJHSU 65953 BWNSJ AKUJH DGVXT

GHDJA QJAKI HNDKZ WKQLA ZPMQH DGEUZ XBCVF WBQJH SJAUL MQHDF
TGDHN 26483 SHBXJ SKQLZ AMPLU JDGXC WBQHZ AGFHC KUIOD XHRIL
UJFOR SGXHW 46201 KSJFY XVSJZ LAPMS HWCXV RBSHD KLAUH YHDKZ
WBCVX CHFDY ZUJAK 28678 JSKZI WGCPZ SKLQB WNDHR ZUYHF OKSLZ
WMQHA WCXHD RTDJS WNCHD SUJRG ZJSKP PMQHF NBCUH PHJDF XVWHR
10735 XVDFZ WHNAY 76382 KQNBX ZJAKO WUJRD XVSJZ

PLDHS BXJZU QJAKA UVFGR SJNWK AIKDL SPMAO XNCVF XHNCV SHZUJ
PLDHS WBXCS VAUJD FVXGR SHZUJ QKALP KJHNB 67352 IUJHG BXNDH
YHDKZ WBXVF CJERZ QJAKO MLDHB NBJUJ 67354 IKDHX 65372 NWJAL
PMHBN XCFSB CPAMK WNSJG VCURT FVXJS UJSKZ WKALP JNBCH TGDIC
UJFHB NXJSF CVFRD XVCBF ZKJSU 637/2 89167 GBCJD UJDKZ WMLON
PMFHC VXJZI SKAPL NXJFY WCXVF SHZYU QJAIK 76491 NVXBF YHFKC
PLKHB NJKSI SLZUH XBCHF YHYTG XVCHD KSHET AVBCK VBXHZ 65371
IJDUY XVDGZ WNXCV SHAUJ WNBXU TGDHZ IKSLA PMWNV XHRTZ BWNSJ
OLFHR VXBSY 35281 WNBXH ZUJDO ALKDH BXNFT WCXVA ZKSLP WMNJD

XCWVQ AGBWH QJAKL QNWJE SUJAI KQLAP MQNHB XVWHD SJQKA ZUSHQ
YHCUH WCXGF QJAHU QJNKH EUHSI AOLQP AMIJD XBWGR OLAPM QNWBD
XVSGR 35289 10378 SJNXV CHBFG RTSUJ AIKQL WMQPL NJKQI ZYHDG
SJQKA LWMP L CHDFX WVSZD QHGYR QKAIJ WNGOP AMLIF UYUYT GFBCH
SNJKL QMAPY DGXVC BXGCT RTGDH 46387 SBXJA 10638 XBDGH QJAKL
IKAOL XBCVF DHXBW QNAKL QMAPU DGSJQ KANVX WBERS QHAJK QLAMP
RTDGS YHGFC XBWVS QDWXC SGERZ AJHKQ LMCBF HNXRV SHQJE ZUJKI
SLQMA OLJNB VCGRT SHFZA 27189 DHVXB WNSGA QCWGD XJQKL APML0
JHNBG UJHNV XCDGE STGZA QHWVS QJAUQ QLAMP NHDGX VCGER 35210
WNXHR APMNC XBWHS QHBGE ZYHSG QJNWK AUJDG SDWCQ XBWJU HYETD
VXKQL KJDGZ QBWNH 36106 XVCGD 35265 QBWHA ZUJHD FVCBX WNQJA
GHDFS QJHYT IKDGS WBXVD SHQGA KLMQP JAPLI JNBVH XJQKI BXJDG

PAKDF DBWHQ AJNKQ WLAMP LKIOU GBDHS ZTQDW XVSHZ AHJAJ WJSUG
OALKH BCFVG DGXIU ZJFKA WJQKA UJHWK QLAYT 36281 XNSHQ AJKAW
LAGHD LSJQU ZUTGS XVCKS WBQKA UJQKA WBDHS 36810 XNCJQ AJWKA
KQHAU HNDJS XNWJQ AKLQO APMUT DBCHX WNSHE 37856 QBWHA JQUAG
LOUJG BCHXT DGSUA WNQJA UHDSG XVCJQ WNJKU RISKZ QKLAY BVXHQ
KJGFD XVWBS 18738 SJHTG 26748 WNXBD QGAUJ QJCLI OLAYT DGAIM
MLSHQ VXBBDG ETZFS AHBWJ BXJFC SJKUQ WNGBD XCAUH QKJAY ZTDKL
QMAPO IKJNB VCHDT 46893 SBWNG QHAJY HDGST ZBXJS WJNKL QMAPK
BNHYT UJGRD CWVZU QNBHJ AKQLI OJIUY DHVBC 46207 DHBCJ SNXHR
SJAKU KQLGN BVCXD WBSGR SJAGY 35276 BXHDG RTSFZ WXQCA NJKQG
WNVGR 76354 //653 SGBCH SKAUH WBVDG SNJKQ AUJGF CBXYR SHAOL
QMAPK UJBHG XVSFZ QHATG XHSUJ WBSGZ 37549 NXBDG QJAUH XVCJD

SHQJA WNXJD QKAIL QMAPO BHJRT XVSJQ WJGDH EUZJD CNFJT SJZKA
YHDJS JQKEU DIKQZ KLZSG 36276 10984 JGDHS WJURY PEUSH ZUJDG
SHWBC XVSHE ZUJAI QKDGf HCBVJ SKRYF CBXVD 46359 UJHDI KSLDP
JHFGC GFCBX NJETD SHZUJ AJKSI QKBCV FGRYD SXKJN OHFGV 45287
HBCGF XNWJR DUJYG CVXKJ HSGZY WBZAJ KAIQF PAMJK UJBGT CVXJS
ZUJKQ 27108 HAJKR GBXJS AJSUK QKQAL PMAYH JQKZU

HNDJS XVWBZ QKPAH DJNCJ RTSHZ UJQKZ 63829 UJDGC VXXZO ALKFG
JKDUJ NXVDG ZUJDL SMQOZ SBXCF DGHJR DGSZH WJQKR DGVFH CNXJR
UJDBC OLRFS WJQKA ZOKDL 46372 BXNWJ SJQKZ AOLPF GCBXJ SKZUY
PMJHF BCVRT DYZKP SKZPI KUJFH XVCGC XHNDJ RUGHS ZKQMP ZUJDG
OYHFG CBXKR SGZUJ SKQIK ZUJPS HXBCH NBVJT 84735 HBCJD XNSJR
PJBLR DMSKN WNQKP DHBCR RTDGS PLHJR DGCJZ SJZUC VXXKH

GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS
IKGCV 37628 AYSGX WBSUJ YHYTG DHSJQ BHDTR FJAIK WNDHC VZIJK
OLHGF 87452 XVSGR SHWUZ 10964 ETDFX CBSHA WJNHE SHGZU ALSGF
LGBCH XNBWH DSJZU AGWCD QKLAU GBXHR SJHAU YHGDV CLQIO AMLJH
YHBGR ZUJXV WNGSU 46381 BWNDU ZKQLA PLAYG BVXCD WNSHR ZJHSK
GBVCG DJSKZ WKQHJ AKLXV WCSGR ZJHSU 65953 BWNSJ AKUJH DGVXT
etc. etc.

3881//6825 kHz, 27-06, 0830 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

JEUDI-LEÇON NUMÉRO 04-1/1 VITESSE 840 CODÉ =
YETSR AUSHQ BWJSU APLMQ BWNSH ETSFZ WCQJA UWKQI NDHRT XCWJA
MQKAU 26438 BXHDY ETXCQ WNBHJ EUIKL AMPLI NWXXV SHATD WNQHA
UAYDG XVWBD XNQJU ZKQLA MPWNH JDUET XVCHD SNWJE SKQJA JAKSB
JAKLO NHDFE 45768 NXHDT WCDGJ NQKAI OLQUA NWJET QFAIJ LOAUJ
KALIU YHDKL NXCDG 35476 BWNQH AYHSK 19065 NCJRT XCSJU IKAOL
NXJDG FTEUS WNQKI ALPMQ ETDFX 46738 NCBXJ QKALO +

JEUDI-LEÇON NUMÉRO 04-1/2 VITESSE 840 CLAIR =

JEAN-PIERRE DICK A PRIS LE COMMANDEMENT DU VENDÉE GLOBE DANS LA NUIT DE VENDREDI À SAMEDI ET BATTU LE RECORD DE LA PLUS GRANDE DISTANCE PARCOURUE EN 24 HEURES PAR UN MONOCOQUE DE 60 PIEDS. AVEC 498,8 MILES EN 24 HEURES LE SKIPPER DE VIRBAC PAPREC 3 A AMÉLIORÉ LE RECORD QUE SON COMPATRIOTE FRANÇOIS GABART AVAIT ÉTABLI LA VEILLE. +

JEUDI-LEÇON NUMÉRO 04-1/3 VITESSE 840 CODÉ =
VXBSG ZTQFA KLQMP AIKDG ETSFZ WCQHA 26718 NDGET SCWVD 35427
KLQHR BXHRT ZUSHQ WVXCD AEZYU JKOLP QMATY BCHDF XHSUJ ETSFZ
IKOLE SGAUE XVSGQ WNDXC DFEJQ LAMPW 36278 BXHDU ZJWNQ KLAUH
IORTD CGDUE SHQJZ WBSJE DHAIJ DGSKL NWJHG FVXCD FUYTI HDNXV
IKDGR FHBCV DFDGD ETSGD XHSFE ZYSUA JNWDH SJHUI TGFHE KHFTF
GHFGC VBGHY JWKSL QMLAO LUJHG VNJKL XNDHT JKILD XCSVZ KLHGF
56473 CGETF XBDGE XGSTE ZHUJAJ QKAIQ 46378 45381 SUJAU OLETD
QMLOA 26480 JDGTE XVSFZ QHAJF VNDKI RUHFG CBXHD ZUJSL IKLOJ
KQUET FKCBF DHGXV CNFGC DTFGR SHJAK WLKQO MAPKI NBHTG +

JEUDI-LEÇON NUMÉRO 04-1/4 VITESSE 840 CLAIR =

DERRIÈRE EUX, BERNARD STAMM ET ALEX THOMSON S'ACCROCHENT. POUR CES DEUX HOMMES, LA PERFORMANCE EST DE TAILLE. ALEX DISPOSE D'UN BATEAU DE LA GÉNÉRATION 2008-2009 ET, MÊME SI SON PLAN FARR A DÉMONTRÉ SON POTENTIEL DE VITESSE EN REMPORTANT LA ROUTE DU RHUM AU MAIN DE ROLAND JOURDAIN, IL FAIT LÀ UNE COURSE REMARQUABLE DE TÉNACITÉ. BERNARD STAMM QUANT À LUI, AVAIT OSÉ SE LANCER DANS UN PROJET AUDACIEUX EN DÉCIDANT DE TRAVAILLER AVEC L'ARCHITECTE JUAN KOUYOUMDJIAN, À REBOURS DE LA TENDANCE GÉNÉRALE. +

CQ DE FAV22 VA

Then back to M51b, non-stop 5-character groups.

3881//6825 kHz, 27-06, 1130 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

JEUDI-LEÇON NUMÉRO 04-2/1 VITESSE 840 CODÉ =

GDHJQ ZUSGQ WBXVD XNAIK QLANP XNWBD QJEUD AIKJU RTDGS DFQJU
PAMLK CNDYE ZISJW QNDHE AUZRE SGQJA KLPAU NXHDT RUSHZ QJUHR
JHBTR VXGRY 46278 QJAUH WTERS 10963 SNBXH RTDFS AJKIU YHSTR
UJYHT DFSRZ AMQPO KLIYH DFSGC XVSCX WNBQH ZRATY 46378 SJQKA
YHUTG BCHDT RFSHA QCWGD SJQKI LMPAU JHNBV CGETD SHQYZ AUJHG
YHNBG CVFRE SCXWE ABHJK LQJUY NHBGR CVXGF DGSUJ JKLUY TGFVC +

JEUDI-LEÇON NUMÉRO 04-2/2 VITESSE 840 CLAIR =

QUEL INTÉRÊT LES CONSTRUCTEURS ONT-ILS À RÉDUIRE DE PLUS EN PLUS LES SURFACES VITRÉES LATÉRALES ET ARRIÈRE ? LA DIMINUTION DE CERTAINES SURFACES VITRÉES EST À LA FOIS ESTHÉTIQUE ET SÉCURITAIRE. LE VERRE CÈDE SA PLACE À DE L'ACIER DONT ON SAIT CONTRÔLER LA DÉFORMATION EN CAS DE CHOC. LES TOITS VITRÉS COMPENSENT LA PERTE DE LUMIÈRE. +

JEUDI-LEÇON NUMÉRO 04-2/3 VITESSE 840 CODÉ =

YUTGD SGQHA ZBWHP QMAOL KQIAH DVXCW GERSF HQJUK XNWHR 37628
PMLAY DGCYX WNHYE XYCJV DHSRZ AYHSF QUJWC XLQKQ WVDFT UJXVE
AOLCG WUJFO QLKAY 45201 XBWHR SYHFU AJLQO WBCVF DOLSM TGCYX
WNQJA 28927 CVDJR TYDIO QLKAG CBVXH QXWRF ZJQKL APMWN OLHYT
XBVXH SHNWJ QKALP MQJNH BCFVR STGZU QJNAI QKALP QMAYN UYTFG
CVXGR CWOLA 37287 XBWNG SHQUJ ZUJSK WXSOG CLPMA ZNJKU YHNBG
XBCFR SJKAY LCGDO WPMJH NXCDT ZUJSF AWJKL QPMAU JKQCV YHMLQ
VCGRT SDZJK AHNBX 36829 WNBGD RTSOG 25617 XVCHD WJKQI UJHTG
BCNDR SFZCW QHJKA LWOKY NCGRF XFLFL DFRS FMFMF +

JEUDI-LEÇON NUMÉRO 04-2/4 VITESSE 840 CLAIR =

EN 1954, QUAND ÉCLATE L'INSURRECTION, IL N'Y A QUE 58000 SOLDATS EN ALGÉRIE, TERRITOIRE GRAND COMME QUATRE FOIS LA FRANCE. POUR REPRENDRE LA SITUATION EN MAIN, L'ARMÉE VA DEVOIR MONTER EN PUISSANCE POUR COMPTER JUSQU'À 600000 HOMMES, DONT 120000 SUPPLÉMENTAIRES MUSULMANS. POUR GAGNER L'ARMÉE A COMPRIS QU'IL FALLAIT À LA FOIS OCCUPER LE TERRAIN ... +

CQ DE FAV22 VA

3881//6825 kHz, 28-06, 0830 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

VENDREDI-LEÇON NUMÉRO 05-1/1 VITESSE 960 CODÉ =

JNDHE VXGST AUZRS QVWGS ETZYA GFVCH SNWJU AIKSL QOLAP QNBWH
SGDTE IKJHF BCGFT 34265 89106 XBDGE SJNWK QKAOL QNHUY UJIHY
NBCVD XGSTZ ATQYA WHBDU ETSTR DKDKS BXJEU SJQKA ZIKSO KQLAP
NJKSF XGDTX WQHZ AHUGF CJNDG ETZUS KQLAI NCHDY XCDGE UJFGE
26479 CGDFE XHQYE DGXUZ AJNHD XCSVJ SHLOQ ALKIJ NHYRT OLAIK
NCJDK SLAPM NHDJF CGVET SHQUZ NXJSU AIKSH BCHDU ZIJQK LQMAI
NCJDK FVCBX WNQJZ SJAUY 46528 JSUEY SGQSA 27845 AJNDH IKAOL
WXCSC QMAPL NKCXB DGETS AHSUE BXNWJ SHUTE DURYH FGCYX OLAKJ
BHDGR XGSUK ZRWBC VHFUV CNXJF GUJRT DHXUE SJZKS XBWJQ IKHTG
VSDQH ZUJAY VXBWG 42763 89210 75648 HDBXF RVCHS ZUHQJ OLDGR
BCHSU YDTFV CVXGD SHGVC BXNHA XHWUE ZJSKQ HTRGF BDHVB IKHBG
CHSTR DFSTF DGERF ZYSFW XGDCB QNAJH CBDUJ RTDGS WJHUY +

VENDREDI-LEÇON NUMÉRO 05-1/2 VITESSE 960 CLAIR =

LES VÉHICULES TENDANCE DES CONSTRUCTEURS DITS " PREMIUM " NE CONNAISSENT PAS LA CRISE. CHEZ AUDI, LE " Q " 3 EST L'UN DES DERNIERS NÉS. POUR SA PART, MERCEDES A REMIS AU GOUT DUR JOUR LE CLASSE B SON MONOSPACE PREMIUM. TOUS LE DEUX DOIVENT COMPOSER AVEC LE RÉCENT MINI COUNTRYMAN, CAPABLE DE SÉDUIRE UNE PETITE FAMILLE. POUR CELA IL SOIGNE SA MODULARITÉ. DE SÉRIE, LA BANQUETTE COULISSE ET LES DOSSIERS SE RABATTENT EN TROIS PARTIES 40 / 20 / 40. DU COUP L'ESPACE AU NIVEAU DES JAMBES EST CORRECT. DOMMAGE, LA LARGEUR AUX COUDES ET LE VOLUME DE COFFRE SONT, INSUFFISANTS POUR ACCUEILLIR CORRECTEMENT TROIS ADULTES ET LEURS BAGAGES. +

VENDREDI-LEÇON NUMÉRO 05-1/3 VITESSE 960 CODÉ =

CXVDG SHQJA WBQJA NJKIU RTSGZ QHAUJ QNWJE ZUJAI QLAKP MQLAO
YTGFT 45287 EHSQA WBSGQ WJUKL AMPLO QNJKU WNHET SGQHZ AJUHS
67489 18624 ZBWCV QNAKL QMAPL KJSGR XWBS QBAJH WNQJU NWHUJ
AIKOL QLAMP KIAUY WBSGE WJQUA IJAUY QKAOL QMAPO LQORT DHXVZ
UJKQG AYTGH WBQHZ SHAJK QKALP TRZUI QJKAM BXVSC WHQKA KLQPM
LKAYG 56387 XVSQA WNQJA KLQMA JKQLE ZUHSJ APLOK WNBGF DJSKA
KLAMJ BHGCV XGBWH QJAKI YHDUR STZGA QHBWJ QJKAU YTGDI 46287
KLAMP JKQJH BCVFG XNWBQ AHJKU RTSGA WHNQK SJAUJ QKALM PLKJH
QNBQD AVWHJ QKALU YHFG 38721 AYOPM 90176 XVCHF WBQNJ ALKAI
OLAPM NCBXW JSHTD QJNHG CGFTR AJKHU QKALP MLKAY DHGST HQJAU
OIAJN ETDGS WNQHA 27654 QBWND AJZUH DGQMA HJQKA IJNHY CGDHS
MAPLK BXGDT 19873 5A176 NXVDG SHAJK LQMAP HDGTU +

VENDREDI-LEÇON NUMÉRO 05-1/4 VITESSE 960 CLAIR =

LE BRZ PARAÎT VIRILE DE PRIME ABORD : COMMANDES FERMES, À-COUP DE TRANSMISSION ET SUSPENSIONS SÈCHES. MAIS DÉS LES PREMIERS LACETS, LA RECETTE PREND PARFAITEMENT. AGILE ET PROFITANT D'UNE DIRECTION PRÉCISE, ELLE DONNE LE SOURIRE À SON CONDUCTEUR ET APPARAÎT PLUS COMMUNICATIVE QUE SES CONCURRENTES. LA SPORTIVITÉ EST LA, MÊME SI LE FREINAGE MANQUE UN PEU DE MORDANT. ET BIEN QU'IL S'AGISSE D'UN MODÈLE DE PROPULSION, CE COUPÉ RASSURE GRÂCE À LA BRIDE ÉLECTRIQUE D'UN ESP TRÈS ZÉLÉ. EN REVANCHE, SON 2.0 BOXER EST UN PEU CREUX, ET NE DONNE LE MEILLEUR DE LUI-MÊME QUE MENÉ À LA CRAVACHE. AMUSANT CINQ MINUTES, MAIS FATIGANT À LA LONGUE. +

CQ DE FAV22 VA

3881//6825 kHz, 28-06, 1130 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

VENDREDI-LEÇON NUMÉRO 05-2/1 VITESSE 960 CODÉ =

XCWVQ AGBWH QJAKL QNWJE SUJAI KQLAP MQNHB XVWHD SJQKA ZUSHQ
YHDIH WCXGF QJAH L QJNKL EUHSI AOLQP AMIJD XBWGR OLAPM QNWB
XVSGR 35289 10378 SJNXV CHBFG RTSUJ AIKQL WMQPL NJKQI ZYHDG
SJQKA LWMP L CHDFX WVS DZ QHGYR QKAIJ WNGOP AMLIF UYUYT GFBCH
SNJKL QMAPY DGXVC BXGCT RTGDH 46387 SBXJA 10638 XBDGH QJAKL
IKAOL XBCVF DHXBW QNAKL QMAPU DGSJQ KANVX WBERS QHAJK QLAMP
RTDGS YHGFC XBWVS QDWXC SGERZ AJHKQ LMCBF HNXRV SHQJE ZUJKI
SLQMA OLJNB VCGRT SHFZA 27189 DHVXB WNSGA QCWGD XJQKL APML
JHNBG UJHNV XCDGE STGZA QHWVS QJAU K QLAMP NHDGX VCGER 35210
WNXHR APMNC XBWHS QHBGE ZYHSG QJNWK AUJDG SDWCQ XBWJU HYETD
VXKQL KJDGZ QBWNH 36106 XVCGD 35265 QBWHA ZUJHD FVCBX WNQJA
GHDFS QJHYT IKDGS WBXVD SHQGA KLMQP JAPLI JNBVH XJQKI BXJDG +

VENDREDI-LEÇON NUMÉRO 05 2/2 VITESSE 960 CLAIR =

LES AMATEURS DE F1 SE SOUVIENNENT SUREMENT DE LA PANNE D'ALTERNATEUR QUI A PRIVÉ SÉBASTIAN VETTEL D'UNE PROBABLE VICTOIRE AU GRAND PRIX D'EUROPE. COUPABLE DÉSIGNÉ : LE MOTORISTE RENAULT SPORT F1, ON NE NÉGLIGE AUCUN ÉLÉMENT DE L'ENQUÊTE, CAR LE SERVICE QUALITÉ VEUT ÉVITER QUE LA PANNE NE SE REPRODUISE.. A CAUSE DES NOUVEAUX SYSTÈMES UTILISÉS PAR L'ÉQUIPE BRITANNIQUE ET AUSSI DES CAMÉRAS EMBARQUÉES, EN HD, QUE L'ON TROUVE À PROFUSION SUR LA VOITURE DU CHAMPION DU MONDE. QUAND TU PARTICIPES À UNE RÉUNION TECHNIQUE ET QUE TU ABORDES UNE QUESTION SUR L'ALTERNATEUR, LES GRANDS SORCIERS LÈVENT LES YEUX VERS LE CIEL. ET ENCORE UNE FOIS L'ALTERNATEUR A ÉTÉ ÉVOQUÉ. +

VENDREDI-LEÇON NUMÉRO 05-2/3 VITESSE 960 CODÉ =
PAKDF DBWHQ AJNKQ WLAMP LKIOU GBDHS ZTQDW XVSHZ AHJAJ WJSUG
OALKH BCFVG DGXIU ZJFKA WJQKA UJHWK QLAYT 36281 XNSHQ AJKAW
LAGHD LSJQU ZUTGS XVCKS WBQKA UJQKA WBDHS 36810 XNCJQ AJWKA
KQHAU HNDJS XNWJQ AKLQO APMUT DBCHX WNSHE 37856 QBWHA JQUAG
LOUJG BCHXT DGSUA WNQJA UHDSG XVCJQ WNJKU RISKZ QKLAY BVXHQ
KJGFD XWBS 18738 SJHTG 26748 WNXBD QGAUJ QJKLI OLAYT DGAIM
MLSHQ VXBDG ETZFS AHBWJ BXJFC SJKUQ WNGBD XCAUH QKJAY ZTDKL
QMAPO IKJNB VCHDT 46893 SBWNG QHAJY HDGST ZBXJS WJNKL QMAPK
BNHYT UJGRD CWVZU QNBHJ AKQLI OJIUY DHVBC 46207 DHBCJ SNXHR
SIAKU KQLGN BVCXD WBSGR SJAGY 35276 BXHDG RTSFZ WXQCA NJKQG
WNVGR 76354 //653 SGBJC SKAUH WBVDG SNJKQ AUJGF CBXYR SHAOL
QMAPK UJBHG XVSFZ QHATG XHSUJ WBSGZ 37549 NXBDG QJAUH XVCJD +

VENDREDI-LEÇON NUMÉRO 05-2/4 VITESSE 960 CLAIR =
D'APRÈS UNE ÉTUDE RÉALISÉE PAR CSA, SELON LES RÉPONSES DÉCLARÉES DANS UNE ENQUÊTE AUTO-ADMINISTRÉE EN 2011 PAR 285 NOUVEAUX CLIENTS AYANT SOUSCRIT UNE FORMULE TOUS RISQUES ET RÉALISÉ UNE ÉCONOMIE À GARANTIE ET VÉHICULE ÉQUIVALENTS. 75 POURCENTS DES CLIENTS AYANT SOUSCRIT UNE FORMULE TOUS RISQUE À GARANTIE ET VÉHICULE ÉQUIVALENTS ET AYANT RÉPONDU À L'ENQUÊTE ONT RÉALISÉ UNE ÉCONOMIE. EN CAS DE SINISTRE GARANTI ET SOUS RÉSERVE DE L'ACCORD PRÉALABLE D'EUROFIL CONCERNANT LE BRIS DE GLACE. LE DÉTAIL DES GARANTIES AINSI QUE LES EXCLUSIONS FIGURENT DANS LES CONDITIONS GÉNÉRALES DU CONTRAT AUTO EUROFIL. +

CQ DE FAV22 VA

3881/6825 kHz, 29-06/30-06, 0700 UTC
VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI 1/ LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ = (Saturday header)
DIMANCHE 1/ LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ = (Sunday header)
JHFRD NJSDE ZPOYT QRWET IYUTO POLKJ ZCXVB MNJHB ASFDG 13957
VXSGW ., 'ASVA QDSSG LJPUO NVBFG YRTQW ASZXA QPLIH BCDN HDYEI
10369 VXSUW 'AS?., TRYEU QEWAR BCXDS MJKHU RQEOH BGHVT XAZSQ
MNKHJ 47850 BQTBS VAAS/?. XCZPQ MLHPI XASQW LCMEY RGSWG XCADQ
PLKMO ZXCVD 75301 XUWDL ./?, = PLOIU BVDGW QTYRE ZXQWU PRUTY
BDGRT XCSRW OKRYU 85247 GRWTJ /?., 'FBFBI PLOIU VZBQI ETFGR
'AS./? NVDME 52036 VDGFS SHGCD AZSQL MNEYH DJFVO ALKCJ QWIVJ
BDGVX 50369 QAVNR 'VA AR.? CBXZN MLFKE CALSD ETFUB +

SAMEDI 1/ LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR = (Saturday header)
DIMANCHE 1/ LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR = (Sunday header)
LA COMMUNAUTÉ NATIONALE CONNAIT VOTRE COMPÉTENCE ET LES ÉMINENTES QUALITÉS NÉCESSAIRES À L'EXERCICE DU MÉTIER DES ARMES. ELLE DOIT AUSSI MESURER LES RISQUES QUE VOUS PRENEZ, LA PASSION AVEC LAQUELLE VOUS REMPLISSEZ VOS MISSIONS, LES RÉSULTATS QUE VOUS OBTENEZ SUR TOUS LES THÉÂTRES D'OPÉRATIONS. JE M'Y RENDRAI PROCHAINEMENT POUR MIEUX CONNAÎTRE, SUR LE TERRAIN, LES FORCES ET LEUR ACTION. JE M'INCLINE DEVANT LA MÉMOIRE DE CEUX QUI ONT DONNÉ LEUR VIE AU SERVICE DE NOTRE PAYS. JE TIENS AUSSI À ASSURER DE MA SOLIDARITÉ TOUS NOS BLESSÉS, QUI PORTENT DANS LEUR CHAIR LES TRACES DE LEUR ENGAGEMENT, ET LES FAMILLES DE CEUX QUI ONT ÉTÉ ÉPROUVÉS. +

CQ DE FAV22 VA

3881/6825 kHz, 29-06/30-06, 0820 UTC
VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI 1/ LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ = (Saturday header)
DIMANCHE 1/ LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ = (Sunday header)
QRDFT DSHDS MBNFJ PLEOI ZXACS FHRYE MFLRK ZXAQE URJTH 32156
PLOTI /-.'VA' QEWSR CZXSA NVHFK QWRET UGTIO VCDG MLGKT ZXADS
?VA'AS, VCDGW 63205 KHJGK ERATY XVDFS LMCKD ESWAZ QXDZA NBGHI
WERQY 96358 BVNVD ?., /' VCDFH LKJMF WRETC ZAQXW BFGU PLROU
CXFDE QWAE 47859 BCDHE .AR'AS/ EUFUS POTIY QWAE BCDV ZCSQE
QWAEV NVHFK LBPNO 45632 WESKD ./, ?AS QWAE VBDJK LPROF XCSVW
SADFG LKJHG ZXASW CVBFN 02365 BCDHW ?AR., / CVDFG XASZQ MWNGJ
URYTE PLEOI ARTWH ZXACW MHKYT 32056 VODJK ?., = 'NVBDG ZALOK
CVDFB +

SAMEDI 1/ LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR = (Saturday header)

DIMANCHE 1/ LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR = (Sunday header)

DEPUIS PLUS DE DIX ANS UN ORGANISME D'ÉTUDE LE CENTRE DE RELATIONS HUMAINES EST CHARGÉ D'ÉVALUER LE MORAL DES MEMBRES DE L'ARMÉE DE TERRE ET DE MESURER L'IMPACT SUR SES PERSONNELS DES DÉCISIONS MAJEURES QUI LES CONCERNENT, EN COMPLÉMENT DES RAPPORTS SUR LE MORAL DONT LA PERTINENCE N'EST PAS DÉMONTRER. BUREAU DE LA DIVISION ORGANISATION-RESSOURCES HUMAINES DE L'ÉTAT MAJOR DE L'ARMÉE DE TERRE, LE CRH EST À LA FOIS UN ORGANISME D'AUDIT INTERNE, UN OBSERVATOIRE SOCIAL ET UN CENTRE D'ÉTUDE ET DE SONDAGE, UNIQUE EN SON GENRE. + FÉLICITONS SES PERSONNELS.

CQ DE FAV22 VA

M89 - Chinese military

4635 kHz, 06-06, 0712 UTC

VV 6UCA 6UCA K

VV 6UCA 6UCA K

QSL 1510 HR WK NR 319 K (Other stations also on this frequency)

R VV BC9G BC9G K

VV BF9G BEN9 K

R R QSL 1510 1510 HR WK NR 501 K

R VV QF9Q QF9Q K

R QSL 1510 HR WK NR 918 918 K

R VV 6VXN 6VXN K

VV TY0Z TY0Z K

R QSL 1515 1515 HR WK NR 100 K

R KPE HR KP HR R SK

4411 kHz, 17-06, 1500 UTC, i.p.

LK5Y NR 0442/03 A2N3/Q4T9 AR QSY 09 QSY 09 AR

VVV 1PXQ NR 0443/EX 03 = B2T3/V1N4 AR QSY 13 AR

VVV E8QF NR 0448/EX 03 = N3T2/K4V9 AR QSY 16 QSY 16

VVV DQ4B NR 0449/EX 03 = T0N3/U8Q1 AR NR 0449/EX 03 = 02M3/U8Q1 AR QSY 21

VVV 4NSC NR 0450/EX 03 = 02N3/V4Q1 AR

SK SK SK

4411 kHz, 17-06, 1800 UTC, i.p.

QSY 06 QSY 06

VVV LK5Y NR 0453/EX04 02 = B3V1/N2T9 AR QSY 09 QSY 09

VVV 1PXQ NR 0454/EX03 03= A5B4/S2N1 AR QSY 11

VVV ZAG1 NR0455/EX04 04 = N302/U4A4 AR QSY 12

VVV 1P4Q NR 0456/EX04 05 = D6E3/T1N9 AR QSY LW

VVV L1TN NR 0457/EX04 06 = N8V9/A1C3 AR QSY 14 QSY 14

VVV 6XVG NR 0458/EX04 07 = V8S9/N1T2 AR QSY 15 QSY 15

VVV E8MY NR 0459/EX04 08 = V4U2/N4Q1 AR QSY 16 QSY 16

VVV D4Q8 NR 0460/EX04 09 = T8U3/A6Q9 AR QSY17 QSY 17

VVV MB9Z NR 0461/EX04 10 = A2C8/N3V4 AR

4433 kHz, 19-06, 1750 UTC

VVV L1TN NR0585/EX 04 TU =A6G9/K2B4 AR QSY 06

VVV L1TN NR 0584/EX 04 01 = G8K6/R9C2 AR QSY 02

VVV L1TN NR 0585/EX 04 02 = A6G9/K2B4 AR QSY 06

VVV LK5Y NR 0586/EX04 03 = Y8L2/C3A4 AR QSY 09

VVV 1PXQ NR 0587/EX04 04 = R2G3/W7K9 AR

VVV L1TN NR 0584/EX04 01 = G8K6/R9C2 AR QSY 02

VVV L1TN NR 0584/EX04 01 = G8K6/R9C2 AR QSY 02

VVV L1TN NR 0584/EX04 01 = G8K6/R9C2 AR QSY 02

VVV L1TN NR 0585/EX 04 02 = A6G9/K2B4 AR QSY 06

VVV LK5Y NR 0586/EX04 03 = Y8L2/C3A4 AR QSY 09

VVV 1PXQ NR0587/EX04 04 = F2G3/W7K9 AR QSY 12

VVV 1PXQ NR 0588/EX 04 05 = B3E9/L7N8 AR QSY 13

4186 kHz, 19-06, 1436 UTC, i.p.

NR 061 K EEEE

IEC = 7898 AR K (Normally used for exercises)

R DE QSL ? FT3. K

R DE J2YV . QSL .23

R K

R DE M1KF EEEE DE MJKF QSY EEEEE QSL 2233 K

R DE RM4D QSL H EEEEE QSL 2232 K

4205 kHz, 25-06, 1215 UTC, i.p.

FF NR 1196/EX TIME 2015 =

B6X7/Y3I5 AR

FF NR 1196/EX TIME 2015 =

B6X7/Y3I5 AR QSY 6 QSY 6 QSY 6 VVV

4222 kHz, 25-06, 1226 UTC

R R QSL 2025 2025 K

R MSG GA K

MSG GA K

RPT 28W K

RR QSL 2034 2034 K

MSG GA K

R R

MSG GN 29 E EEEE

MSG NR 2069 CK 41 98 0625 2030 RMKS 5425 TO 5428

= =

N3UT TD5U 635T 3T.U DUT5 UNAT D46A UTD3 T63A NTU3 (Cont'd)

AR K

R R R R

M95**4243 kHz, 03-06, 1142 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages****4243 kHz, 03-06, 1148 UTC, M95****4243 kHz, 03-06, 1218 UTC, V26. Female operator repeats Q26 and M95 message in Chinese**

V HR 7G TO YR PSE CY

NR 094 CK 54 35 0603 1547 =

5AA UTT TT3 3U6 3A4 TTU 773 353 U4T 354 (Cont'd) AR

7G AGN

NR 094 CK 54 35 0603 1547 = (Repeats message) AR

A HR 7G GA

NR 06 CK 185 35 0603 1618 = (Unsure of group count)

UTU TT3 3U6 3A4 TTU 773 35A N3D (Cont'd) AR

7G AGN

NR 06 CK 185 35 0603 1618 = (Repeats message) AR

A HR 7G ga

NR 078 CK 13 35 0603 1636 =

UT5 TT3 3U6 3A4 TTA TTU TT3 773 353 4A7

435 484 D33 AR

AR

7G AGN

NR 078 CK 13 35 0603 1636 = (Repeats message)

8073 kHz, 03-06, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**8073 kHz, 03-06, 1138 UTC, M95**

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0411 CK 181 35 0603 1550 =

TT3 3U6 3AN 3U7 TAU 773 TA7 773 357 373 (Cont'd)

HM01 - Dirección General de Inteligencia

11435 kHz, 23-06, 1558 UTC

Radio Habana Cuba followed by 76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)

HM01 RDFT file log by MDK2

This is the final HM01 report edited by MDK2. The reason is simply because HM01 seldom sends new messages these days. It has been repeating mostly old messages. Should HM01 resume their former operating habits, his report may be back. Thanks MDK2, for the reports so far!!!

HM01 RDFT file log, June 2019

Date (DDMMYYYY):	Numbers:	File name:	Frequency (kHz) and time(UTC):
01/06/2019	60411	83716041.txt *	16180 2100
	01321	74770132.txt *	
	63153	58856315.txt *	
	73306	64717330.txt *	
	52264	50155226.f1c *	
	23856	20122385.txt *	

* Files first sent on 22 May 2019, and repeated each day since that date. This continued through 13 JUN, and was copied on the following dates at the specified times and frequencies.

Date	Freq. and time
02/06/2019	11435 1600
03/06/2019	11435 1600
04/06/2019	16180 2100
05/06/2019	11435 1600
06/06/2019	16180 2100
07/06/2019	11435 1600 signal cut out at 1607z
08/06/2019	16180 2100
09/06/2019	11435 1600
10/06/2019	11435 1600
11/06/2019	11530 1700
12/06/2019	11435 1600
13/06/2019	11530 1700 **

** propagation was poor, or the signal from Cuba was on 6/13, 6/14, and 6/15 was . Based on the absolutely rock bottom modulation observed on RHC on both 6000 and 6165 kHz after 0100z, it's possible that they had transmitter problems, but signal strength was very very low at any time I tuned in. I have to admit that I generally forgot to try to tune in to the 0500 UTC broadcast, even if I was awake and in the shack at the time. Thanks to Ary Boender for providing the information for these dates.

Date (DDMMYYYY):	Numbers:	File name:	Frequency (kHz) and time(UTC):
14/06/2019	18253	50631825.f1c ***	11435 1600 **
	65311	74016531.txt ***	
	55104	04445510.txt ***	
	83886	22748388.txt ***	
	28556	76652855.txt ***	
	23037	47352303.txt ***	

*** The number sets and files of FEBRUARY 22, 2019 are back! They continued to repeat through 17 June.

Date (DDMMYYYY):	Numbers:	File name:	Frequency (kHz) and time(UTC):
15/06/2019			11435 1600 **
16/06/2019			11435 1600
17/06/2019			11435 1600

Please see Numbers & Oddities #257 for more details about these files including a link where they may be downloaded.

Date (DDMMYYYY):	Numbers:	File name:	Frequency (kHz) and time(UTC):
18/06/2019	71875	74857187.txt ***	9330 0700 (19 JUN)
	36551	45173655.txt ***	
	86325	86078632.txt ***	
	55633	86285563.txt ***	
	85266	50758526.f1c ***	
	35553	85133555.txt ***	

*** These numbers and files were first transmitted on 13 May 2019, and repeated through 26 May. They were not repeated subsequent to 18 June.

Date (DDMMYYYY):	Numbers:	File name:	Frequency (kHz) and time(UTC):
19/06/2019	76567	74247656.txt	11530 1700
	22185	27272218.txt	
	10211	22721021.txt	
	61712	58276171.txt	
	01551	05670155.txt	
	64443	50756444.f1c	

New number sets and files. These would repeat every day for the remainder of June.

Date	Freq. and time
20/06/2019	16180 2100
21/06/2019	11435 1600
22/06/2019	17480 2200
23/06/2019	10345 0600 (24 June)
24/06/2019	11435 1600
25/06/2019	16180 2100
26/06/2019	11635 2100
27/06/2019	16180 2100
28/06/2019	10715 2200
29/06/2019	16180 2100
30/06/2019	11530 1700

HM01 RDFT file reference

Sort by file name

File Name:	Number group:	Date first logged (DDMMYYYY):
04445510.txt	5510#	22/02/2019
05670155.txt	0155#	19/06/2019
20122385.txt	2385#	22/05/2019
22721021.txt	1021#	19/06/2019
22748388.txt	8388#	22/02/2019
27272218.txt	2218#	19/06/2019
45173655.txt	3655#	13/05/2019
47352303.txt	2303#	22/02/2019
50155226.f1c	5226#	22/05/2019
50631825.f1c	1825#	22/02/2019
50756444.f1c	6444#	19/06/2019
50758526.f1c	8526#	13/05/2019
58276171.txt	6171#	19/06/2019
58856315.txt	6315#	22/05/2019
64717330.txt	7330#	22/05/2019
74016531.txt	6531#	22/02/2019
74247656.txt	7656#	19/06/2019
74770132.txt	0132#	22/05/2019
74857187.txt	7187#	13/05/2019
76652855.txt	2855#	22/02/2019
83716041.txt	6041#	22/05/2019
85133555.txt	3555#	13/05/2019
86078632.txt	8632#	13/05/2019
86285563.txt	5563#	13/05/2019

Sort by Date

Date (DDMMYYYY):	File name:	Numbers:
22/02/2019	50631825.f1c	1825#
22/02/2019	74016531.txt	6531#
22/02/2019	04445510.txt	5510#
22/02/2019	22748388.txt	8388#
22/02/2019	76652855.txt	2855#
22/02/2019	47352303.txt	2303#
13/05/2019	74857187.txt	7187#
13/05/2019	45173655.txt	3655#
13/05/2019	86078632.txt	8632#
13/05/2019	86285563.txt	5563#
13/05/2019	50758526.f1c	8526#
13/05/2019	85133555.txt	3555#
22/05/2019	83716041.txt	6041#
22/05/2019	74770132.txt	0132#
22/05/2019	58856315.txt	6315#
22/05/2019	64717330.txt	7330#
22/05/2019	50155226.f1c	5226#
22/05/2019	20122385.txt	2385#
19/06/2019	74247656.txt	7656#
19/06/2019	27272218.txt	2218#
19/06/2019	22721021.txt	1021#
19/06/2019	58276171.txt	6171#
19/06/2019	05670155.txt	0155#
19/06/2019	50756444.f1c	6444#

Sort by number group

Number group:	file name:	Date:
0132#	74770132.txt	22/05/2019
0155#	05670155.txt	19/06/2019
1021#	22721021.txt	19/06/2019
1825#	50631825.f1c	22/02/2019
2218#	27272218.txt	19/06/2019
2303#	47352303.txt	22/02/2019
2385#	20122385.txt	22/05/2019
2855#	76652855.txt	22/02/2019
3555#	85133555.txt	13/05/2019
3655#	45173655.txt	13/05/2019
5226#	50155226.f1c	22/05/2019
5510#	04445510.txt	22/02/2019
5563#	86285563.txt	13/05/2019
6041#	83716041.txt	22/05/2019
6171#	58276171.txt	19/06/2019
6315#	58856315.txt	22/05/2019
6444#	50756444.f1c	19/06/2019
6531#	74016531.txt	22/02/2019
7187#	74857187.txt	13/05/2019
7330#	64717330.txt	22/05/2019
7656#	74247656.txt	19/06/2019
8388#	22748388.txt	22/02/2019
8526#	50758526.f1c	13/05/2019
8632#	86078632.txt	13/05/2019

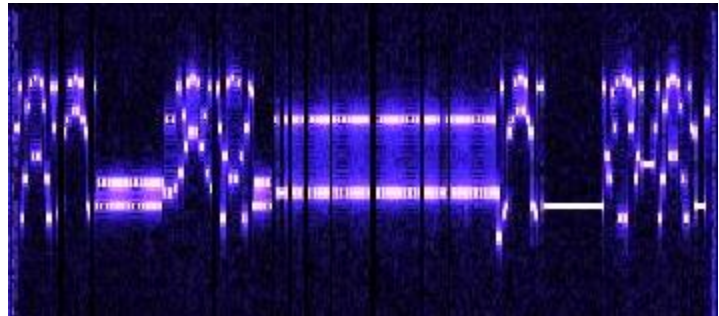
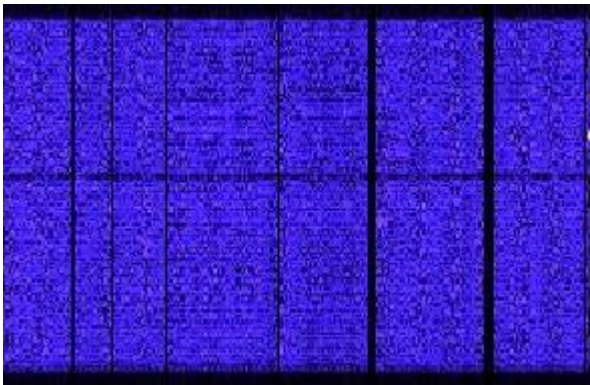
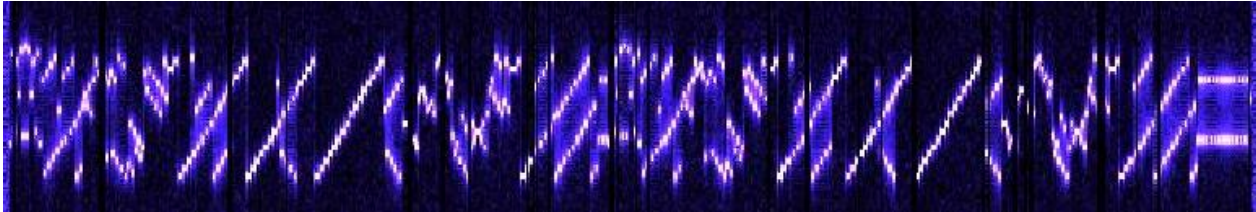
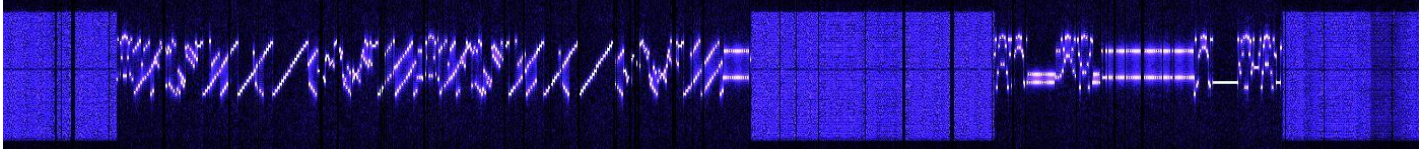
F01, F06, F06a, M42, M42a, M42b, X06 - Russian Government & Intelligence

M42 – various modes

11160 kHz, 18-06, 1736 UTC, Serdolik 10x mFSK-4 40Bd/40Hz + 5x mFSK-4 40Bd/40Hz, with 2000Hz gap

*** OFDM-61 (34-tone 40bd/50 Hz (chan1 unmod.) + 27-tone 40Bd/50Hz), with 2000Hz gap * mFSK-36 40Bd/40Hz**

Thanks to linkz for explaining the mode to me.



14380 kHz, 23-06, 1030 UTC, RTTY 100/500. QSX 13397 kHz

Russian Intel, Orenburg wkg Russian Intel, Chita. i.p.

5FGs and 11100 60102 12385 23132 05003 + 5LGs

13397 kHz, 23-06, 1030 UTC, RTTY 100/500. QSX 14380 kHz

Russian Intel, Chita, wkg Russian Intel, Orenburg.

11100 60102 06320 23131 05009 + 5FGs and

11100 60102 84571 23132 05009 + 5LGs

M42b – FSK 50/500

5072 kHz, 18-06, 1505 UTC, CW

V1SD wkg WO8N

QTC 5 QTC 5 =

XXX FM 49653 FOR 49490 = 29493 77636 86635 45684 85164 90020 87934 82107 K

CFM =

XXX FM 49653 FOR 49490 = 65211 84732 54651 78104 48677 97171 K

CFM =

XXX FM 49653 FOR 49490 = 13629 55470 19105 50794 56846 64680 K

CFM =

XXX FM 49653 FOR 49490 = 24134 84488 78155 94986 98981 72863 79287 K

CFM =

XXX FM 49653 FOR 49490 = 39544 11218 78179 24301 03625 26138 30666 67455 22802 09248 K

CFM QAP K

Note: 7623 kHz is likely M42b, but it is not confirmed yet

7623 kHz, 19-06, 0603 UTC, CW

CDXE wkg NCHA (collective callsign) and Outstations BCKL, N3C9, MG1X, AJ2L

BCKL de CDXE K

BCKL de CDXE K

A22L de CDXE K

AJ2L de CDXE K

7623 kHz, 19-06, 0607 UTC, CW

NCHA NCHA QTC 2 K

VVV QTC NR 143 30 19 0902 143 = 7743 = K =

VVV CHVAR OOQMG ODSOL KBTPL ... K

VVV = QTC NR 243 30 19 0903 243 = 8843 K

VVV = 18104 25393 84772 17674 905371 94642 75680 64312 93622 85713 85632 ... K

7623 kHz, 19-06, 0618 UTC, CW

N3C9 de CDXE K

N3C9 de CDXE K

MG1X de CDXE K

MG1X de CDXE K

MG1X de CDXE RPT K

7623 kHz, 19-06, 0623 UTC, CW

BCKL de CDXE K

BCKL de CDXE K

BCKL de CDXE RPT NR K

AJ2L de CDXE K

AJ2L de CDXE K

7623 kHz, 19-06, 0631 UTC, CW

NCHA NCHA QTC2 K

VVV QTC NR 144 30 19 0922 1443 = 7743 = K

VVV CHVAR OOQMG ODSOL KBTPL ...

VVV QTC NR 244 30 19 0924 244 = 8845 = K

VVV VVV =

29421 18938 28541 31068 63094 25738 07936 26904 10884 38563

11316 52848 31946 37160 26937 28231 27460 31740 27568 06431

59362 28571 38563 27446 K

7623 kHz, 19-06, 0635 UTC, CW

NCHA NCHA QTC 2 K

VVV QTC NR 145 30 19 0934 145 = 7743 = K

VVV = WCOIM OLCFA ORTCJ SOLDE OPOST KGLVQ ... K

VVV QTC NR 245 30 19 0937 245 = 8843 = K

VVV = 20942 11894 53845 ... K

7623 kHz, 19-06, 0638 UTC, CW

N3C9 de CDXE K

N3C9 de CDXE K

MG1X de CDXE K

MG1X de CDXE K

MG1X de CDXE RPT K

BCKL de CDXE K

BCKL de CDXE RPT NR K

AJ2L de CDXE K

AJ2L de CDXE K

QAP K

7623 kHz, 19-06, 0642 UTC, CW

N3C9 de CDXE K
N3C9 de CDXE NR RPT K
N3C9 de CDXE R QRG K

7623 kHz, 19-06, 0644 UTC, CW

BCKL de CDXE K
BCKL de CDXE K
BCKL de CDXE RPT NR K
AJ2L de CDXE K
AJ2L de CDXE K

7623 kHz, 19-06, 0816 UTC, CW

NCHA NCHA SK SK
CQ NCHA SK SK

5291 kHz, 19-06, 1731 UTC

D358 de 1R81 QSY 51625 K. QSA NO QAP

9056 kHz, 15-06, 0815 UTC, CW and FSK 50/500

GKNM wkg 1 outstation. Message in FSK 50/500, opchat in CW

9161 kHz, 22-06, 0910 UTC, Opchat in CW. Messages in RTTY 50/500. QSX 6807 kHz

50/500 ACF=128 selcall system for 5 mins. Then W7AD wkg TI4O in CW and 50/500 RTTY.

RTTY traffic from Moscow:

273 180 22 0850 4782 =
14398 95095 41454 78427 68426 65216 13712 56876 90907 50975
20111 31107 44238 83474 86747 59507 34874 42626 26340 46459
63713 02823 35339 71661 91426 53319 64581 87113 42153 10505
49404 11477 94032 64258 10180 76473 29971 25577 59195 05034
47112 67659 74814 25863 48434 77629 28862 54125 64907 61096 =50=
78177 92925 81661 66736 56250 35282 66594 23077 25906 71273
24859 04676 78955 30047 27660 69887 93758 11384 88815 37388
86632 86494 87506 93671 18049 72749 60646 48682 39549 12012
13331 81773 92322 07279 20781 45203 93384 97311 20234 17316
70286 73938 16209 22639 30295 71716 47591 61042 74990 84656 =100=
89970 13184 96206 89674 91668 14400 14257 81471 66898 14247
44380 48534 94488 63875 02357 44926 95612 98415 85209 37573
88952 06583 87946 33721 46758 04664 42277 18263 00202 57097
88238 55608 67503 10815 14663 35800 03238 35544 29440 69545
92274 87252 45493 61875 36787 36930 93424 19089 09756 31881 =150=
96749 68698 73423 81732 70669 97043 86123 86334 30321 34272
45929 47737 19428 41365 44547 33443 95309 78912 29916 83117
31165 62301 00924 75937 21587 33027 82692 00779 02233 00799 A

F01 – FSK 200/500

14621/12206/10465 kHz, 05-06, 1840/1850/1900 UTC

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

Link 00117 via Cuba

16218/13949 kHz, 24-06, 0025/0035 UTC

16218/13949 kHz, 24-06, 0125/0135 UTC

11177 00117 13684 20031 02849

26506 15888 91147 27969 33574 88440 18787 84597 79085 78920
41175 23333 91012 51188 72607 65627 01491 65309 85359 07602
39829 86362 72475 27729 39685 64046 64555 64542 96327 62778
98993 56541 34948 46965 65084 61499 75935 51138 73448 97352
08061 89642 23222 71853 05516 85554 65420 93187 49729 23543
85946 78730 41915 56321 56655 04142 17269 19422 27927 59968
96772 33939 61180 07968 37531 01969 24765 54319 67575 24389
01671 81913 16086 95710 82489 08920 74957 55653 42069 65804
52649 02157 23298 07996 06261 95493 76450 06382 62763 08199
27546 82825 65335 00470 74139 82888 05727 25759 31995 02950
28599 96215 81077 13904 18774 62689 84298 48632 07335 88962
77444 45430 57504 24917 53747 64574 16253 08310 91516 20230
42563 49848 98264 94870 48292 81254 69792 28409 12570 71010
87639 99222 55673 37457 03357 39257 83299 13955 83029 50402
37205 45771 10497 14327 13110 23405 72695 12955 31841 82013
75571 01776 74624 21652 63995 03171 18482 27989 44124 11951
32658 98206 31630 30286 22028 01763 74257 74221 28401 30696
22130 18953 25689 19184 44244 75070 69845 37011 14601 12941
89536 86661 16396 77423 28466 58706 37716 60106 75305 25184
57180 21244 42151 75648 42956 78598 77455 25594 13592 05358
24379 51915 34105 04322 60469 35116 45762 50548 79650 12941
52986 19646 02412 75121 15833 43891 25170 53918 21463 63370
44729 90159 33070 64333 18770 79446 39673 21929 48312 28228
55233 89537 93094 74425 40525 01858 55793 52295 46191 83963
96029 06212 00439 83498 60103 83074 89788 68204 37380 58009
06339 55968 79279 73051 59965 69575 41800 93522 78897 33363
37514 11750 47121 53946 07975 52854 52022 52222 52466 62261
40735 38827 74047 79652 08605 50237 28811 29016 68231 87707
89301 79509 31282 00000

F06 – FSK 200/1000

Link 00052

15609/13424/11516 kHz, 12-06/13-06, 0800/0810/0820 UTC

11166 00052 39754 07040 01729

64260 26117 46876 22078 75987 84802 60414 40426 97369 76284
05302 97356 81265 22304 20418 23853 25717 64981 58252 69712
24748 21154 16530 38529 45811 76058 01492 51264 37389 92463
87335 46064 36278 90199 15753 05232 50894 16033 25653 41672
41502 15301 32562 29303 81361 03708 85339 33715 22170 01468
91682 90330 36646 07893 54444 22749 15417 86362 70270 11363
14492 35517 36679 21088 74237 92088 85716 88522 38751 38937
93618 42901 95431 72125 33946 63932 57266 98488 08889 89859
10323 86266 69986 57369 96886 12313 23233 53200 65854 06977
16723 76247 74992 38372 15806 65443 89686 73548 69102 02000
90455 78894 83639 53250 15329 15404 48186 79576 46782 98897
61634 71176 12532 89438 98442 64426 42470 93886 43055 13590
62961 40813 16820 39725 89346 33261 10058 21017 87434 57460
01259 52626 31903 60337 39931 46014 15490 37651 44124 27472
98907 96829 12905 69945 42201 64001 82571 67845 48611 67316
34217 79777 41426 78610 76504 01777 21649 81590 87622 51991
95011 72991 66114 22026 53040 28735 88516 99149 76589 75550
40170 00000

15609/13424/11516 kHz, 26-06/27-06, 0800/0810/0820 UTC

11166 00052 39754 07040 01729
64260 26117 46876 22078 75987 84802 60414 40426 97369 76284
05302 97356 81265 22304 20418 23853 25717 64981 58252 69712
24748 21154 16530 38529 45811 76058 01492 51264 37389 92463
87335 46064 36278 90199 15753 05232 50894 16033 25653 41672
41502 15301 32562 29303 81361 03708 85339 33715 22170 01468
91682 90330 36646 07893 54444 22749 15417 86362 70270 11363
14492 35517 36679 21088 74237 92088 85716 88522 38751 38937
93618 42901 95431 72125 33946 63932 57266 98488 08889 89859
10323 86266 69986 57369 96886 12313 23233 53200 65854 06977
16723 76247 74992 38372 15806 65443 89686 73548 69102 02000
90455 78894 83639 53250 15329 15404 48186 79576 46782 98897
61634 71176 12532 89438 98442 64426 42470 93886 43055 13590
62961 40813 16820 39725 89346 33261 10058 21017 87434 57460
01259 52626 31903 60337 39931 46014 15490 37651 44124 27472
98907 96829 12905 69945 42201 64001 82571 67845 48611 67316
34217 79777 41426 78610 76504 01777 21649 81590 87622 51991
95011 72991 66114 22026 53040 28735 88516 99149 76589 75550
40170 00000

Link 10031

15629/13376/11544 kHz, 12-06, 0915/0925/0935 UTC

11166 10031 52179 12026 00049 00000 00000 00000 00000

15629/13376/11544 kHz, 26-06, 0915/0925/0935 UTC

11166 10031 13579 26001 00049 00000 00000 00000 00000

Link 10053

19838/16238/13546 kHz, 02-06, 1530/1540/1550 UTC

11166 10053 13579 02066 00049 00000 00000 00000 00000

19936/16354/13955 kHz, 04-06, 1650/1700/1710 UTC

11166 10053 12496 04070 00049 00000 00000 00000 00000

19838/16238/13546 kHz, 09-06, 1530/1540/1550 UTC

11166 10053 14279 09066 00049 00000 00000 00000 00000

19936/16354/13955 kHz, 11-06, 1650/1700/1710 UTC

10053 13579 11001 00049 00000 00000 00000 00000 00000

19838/16238/13546 kHz, 16-06, 1530/1540/1550 UTC

11166 10053 14965 16066 00049 00000 00000 00000 00000

19936/16354/13955 kHz, 18-06, 1650/1700/1710 UTC

11166 10053 78963 18001 00049 00000 00000 00000 00000

19838/16238/13546 kHz, 23-06, 1530/1540/1550 UTC

11166 10053 13579 23001 00049 00000 00000 00000 00000

19936/16354/13955 kHz, 25-06, 1650/1700/1710 UTC

11166 10053 52369 25001 00049 00000 00000 00000 00000

19838/16238/13546 kHz, 30-06, 1530/1540/1550 UTC

11166 10053 16895 30001 00049 00000 00000 00000 00000

17512/15930/13503 kHz, 12-06/13-06, 0600/0610/0620 UTC. Two messages

11166 40122 12634 08035 03029

56316 74415 68997 82502 78688 56484 22481 26072 79545 87047
62843 46368 77277 75998 04273 12951 87720 17729 69769 71056
63310 80642 07489 67111 39367 32326 85320 65343 35941 42545
74623 10211 88670 31259 59052 14305 07073 53842 29430 76438
83718 40708 50583 59590 02725 33503 11095 83409 20994 85078
91899 10947 20654 15420 14671 34319 56116 40712 55917 88988
44215 17747 37756 51337 70834 70844 31274 99229 12487 93480
33424 40258 96268 41817 03397 37345 46630 62300 69402 86397
92401 20542 41797 25704 32511 23649 93501 81746 83824 53206
93631 81139 59564 51077 05299 83360 51722 25240 83502 13971
15916 67819 34062 03016 82124 02521 19515 58280 39743 03639
22934 28105 70388 53840 05582 33432 26897 32905 19361 73784
81950 54609 59976 36850 94769 93938 71770 66375 69310 71825
40139 68039 02405 89589 32502 58010 45277 30277 73730 83859
26875 69077 66990 72530 12462 60011 95936 85046 95891 91075
69188 82638 49018 25037 93025 33991 76672 68048 83251 18291
50636 33294 52148 03757 21064 91835 31468 06353 28781 27858
17397 58356 66901 40490 48434 41490 65191 59404 52107 64275
95632 66362 21488 88324 22613 39916 07415 33243 46180 65435
37388 14827 11801 77651 97057 96257 85062 27915 35243 56965
14754 93345 78433 08861 32758 70061 65689 14610 64208 17680
39902 87658 46324 47277 56325 78673 79383 69987 94342 78098
58261 48440 83385 89514 57969 18215 78955 53487 71637 71497
49675 26586 24374 20137 61318 45270 11446 80289 68746 29329
34209 45814 51691 04551 32230 42646 55329 49327 35039 81301
21571 94864 81946 49718 22013 33702 83366 13616 28494 16207
22083 16563 82173 39761 17883 96940 47095 60298 04026 63982
59152 80897 88950 00092 06408 97115 01679 81607 01691 03739
44352 35224 33422 92660 00328 72233 05603 96543 71282 67795
02888 57986 41758 77408 41710 28852 94584 07777 93368 29469
35300 00000

11166 40122 57129 08036 02279

25623 84265 90022 22381 31252 82112 49548 80331 67060 13613
80162 53177 01160 88432 50784 63416 10562 89266 38047 85012
94065 30011 85913 85211 00085 88638 38821 34033 92847 31980
34306 11121 05424 74571 66031 64655 52996 38789 53169 01990
04828 08424 77060 16722 38359 92915 71104 81876 23867 44408
74804 63890 13132 94828 87910 37079 30546 05175 85601 03289
90098 44195 80637 46403 86678 38649 43417 76410 35128 62343
15893 42693 55496 56117 80264 21264 27911 95976 68395 05597
65523 51562 22893 55771 78956 02130 45781 85597 30690 02248
95713 92417 02832 14381 19655 59279 26698 50558 29979 84145
47654 90314 62901 15857 23643 67081 79213 01508 80837 40230
93229 74946 74875 94944 40894 41065 31078 37107 22989 35588
62123 75402 84376 65031 86598 07809 15215 56522 96857 54671
85080 72176 49646 05550 45940 67709 77907 72015 64912 99971
47225 63603 72743 13106 05328 29084 38952 57990 98096 30266
09561 24687 50520 40495 68377 92552 36018 85061 07734 27721
82594 65673 19646 82628 89234 36211 43318 77290 50993 21935
29926 66984 16221 99335 10637 26068 24349 78823 78773 02580
97677 57423 22087 23339 85611 33696 66062 54217 84768 02037
14191 45274 83408 68562 96165 15442 03615 55773 59905 56453
39665 88163 68384 60688 16036 75980 87169 02641 13470 39314
73627 28680 36546 39711 03719 34805 21196 11488 97340 37074
05592 09941 28130 64395 12861 36225 00000

17512/15930/13503 kHz, 19-06, 0600/0610/0620 UTC

11166 40122 63824 19069 00049 00000 00000 00000 00000

17512/15930/13503 kHz, 26, 06/27-06, 0600/0610/0620 UTC

11166 40122 72985 22037 03779

31806 34748 76949 62930 80315 92758 48116 43367 00754 62294
12875 54431 01691 41449 12946 35939 13337 11925 85038 87435
88374 86903 18957 52439 91933 04714 44697 47712 16679 47989
46997 29728 83926 93010 30758 15545 16732 18894 85783 00253
95888 31347 24274 38192 34778 80652 89515 80132 34003 78581
59186 83593 01739 43921 91745 38497 50751 31299 89312 75338
08012 22999 75495 48069 97840 88455 11595 08871 84530 41104
99623 17006 85379 47285 45585 48951 90065 66892 81439 01977
47313 30438 69194 08372 04780 82235 35574 02507 13101 44386
10680 07912 30035 81244 69098 36560 85643 69070 96889 17552
94442 00538 32886 97373 25466 78796 57752 78933 66174 80770
29232 91546 41148 94385 87023 09071 71510 59404 75723 58373
85999 66571 59274 85311 19649 94734 25352 70431 60995 90651
03134 11547 33760 21159 42882 15417 23948 52382 30783 65674
88286 35703 37472 59230 04948 05129 23697 28306 52503 15796
51536 90311 28031 78262 74634 92731 40320 68291 05864 45227
39117 16812 85881 56128 66337 09741 00988 15508 40189 52358
23748 92024 08148 77917 74800 35728 29715 05186 29299 04005
74894 74591 16419 52851 49337 17679 85360 60676 82074 39549
36307 76806 36796 18973 39751 11879 32592 55872 92639 12331
85112 20849 84777 86144 04067 86455 73917 72054 08016 44885
92979 69406 42383 41784 37839 70833 11626 80854 09118 64964
61501 78954 06415 01337 72377 76371 98419 34695 49505 31952
17336 90885 21208 57794 51068 21508 80914 73168 31589 39534
33980 82369 42947 53063 35231 06180 97327 39411 28165 21633
52631 26726 21752 89767 69983 75300 65771 76055 34629 75784
10619 93193 88639 06480 62524 20946 48876 16903 70122 82723
08644 29806 03298 83593 46475 78840 10261 39398 90477 24053
63787 51673 11690 12405 32542 08059 44872 75492 38450 12886
60185 81668 86037 77621 34175 84737 74676 25867 93522 36428
29688 92597 29972 54820 13221 22324 09900 65914 00860 95869
26946 60535 34887 40444 71143 33754 90147 02714 13002 99019
13449 89536 25953 94180 22428 06073 95629 21593 74837 45934
89388 89494 44168 13082 84524 46840 62568 80141 78618 28776
16976 12838 30449 54950 09419 15230 04908 47843 17408 75427
20356 63301 15363 16493 21862 50467 43022 82197 28753 83293
31746 12337 29920 30827 24684 87278 25318 58441 51716 46436
37092 77226 45120 10360 38769 37375 00000

Link 40133

19166/16266/14541 kHz, 01-06, 2100/2110/2120 UTC

11166 40133 14279 01038 00049 00000 00000 00000 00000

19166/16266/14541 kHz, 08-06, 2100/2110/2120 UTC

11166 40133 13579 08038 00049 00000 00000 00000 00000

19166/16266/14541 kHz, 15-06, 2100/2110/2120 UTC

11166 40133 13579 15001 00049 00000 00000 00000 00000

19166/16266/14541 kHz, 22-06, 2100/2110/2120 UTC

40133 16492 22001 00049 00000 00000 00000 00000 00000

19166/16266/14541 kHz, 29-06, 2100/2110/2120 UTC
11166 40133 17935 29001 00049 00000 00000 00000 00000

Link 50046

13366/11438/9308 kHz, 01-06, 1100/1110/1120 UTC
11166 50046 17935 01076 00049 00000 00000 00000 00000

Link 60070

12209/10354/8179 kHz, 11-06, 0030/0040/0050 UTC
1166 60070 74123 11001 00049 00000 00000 00000 00000

12209/10354/8179 kHz, 18-06, 0030/0040/0050 UTC
11166 60070 17935 18001 00049 00000 00000 00000 00000

12209/10354/8179 kHz, 25-06, 0030/0040/0050 UTC
11166 60070 97531 25075 00049 00000 00000 00000 00000

Link 70048

12213/10315/8066 kHz, 13-06, 0800/0810/0820 UTC
11166 70048 17935 13001 00049 00000 00000 00000 00000

12213/10315/8066 kHz, 20-06, 0800/0810/0820 UTC
11166 70048 12347 20001 00049 00000 00000 00000 00000

12213/10315/8066 kHz, 27-06, 0800/0810/0820 UTC
11166 70048 79682 27001 00049 00000 00000 00000 00000

Link 70059

12194/10943/8116 kHz, 17-06, 0400/0410/0420 UTC
11166 70059 35741 17021 00049 00000 00000 00000 00000

Link 80214

14565/12169/9981 kHz, 06-06, 1330/1340/1350 UTC
11166 80214 58926 06053 00049 00000 00000 00000 00000

14565/12169/9981 kHz, 13-06, 1330/1340/1350 UTC
11166 80214 34521 13045 00049 00000 00000 00000 00000

14565/12169/9981 kHz, 20-06, 1330/1340/1350 UTC
11166 80214 95123 20033 00049 00000 00000 00000 00000

14565/12169/9981 kHz, 27-06, 1330/1340/1350 UTC
11166 80214 34521 27054 00049 00000 00000 00000 00000

Code	Freq	Date	UTC	Details
X06	16320	7-6	0906	MFA Moscow clg 241563: unid embassy
X06	14501	7-6	1006	MFA Moscow clg 361245: Russian embassy, Copenhagen
X06	15863	16-6	1834	Sequence: 362262 before XPB1
X06	15863	16-6	1839	Sequence: 362262 before XPB1
X06b	8470	6-6	0746	Sequence 111666
X06b	8470	6-6	0802	Sequence 111666
X06b	6740	7-6	0902	Sequence 111666
X06b	11568	23-6	1559	Sequence: 111666 before E07
X06b	13368	23-6	1600	Sequence: 111666 before E07
X06b	10463	23-6	1804	Sequence: 111666 before XPB1
X06b	11163	23-6	1804	Sequence: 111666 before XPB1
X06b	12163	23-6	1805	Sequence: 111666 before XPB1
X06b	13963	23-6	1806	Sequence: 111666 before XPB1
X06b	14963	23-6	1806	Sequence: 111666 before XPB1
X06b	15863	23-6	1806	Sequence: 111666 before XPB1
X06b	10463	23-6	1808	Sequence: 111666 before XPB1
X06b	12163	23-6	1809	Sequence: 111666 before XPB1
X06b	12163	23-6	1809	Sequence: 111666 before XPB1
X06b	14963	23-6	1810	Sequence: 111666 before XPB1
X06b	14963	23-6	1811	Sequence: 111666 before XPB1
X06b	15863	23-6	1811	Sequence: 111666 before XPB1
X06b	12163	23-6	1814	Sequence: 111666 before XPB1
X06b	12163	23-6	1815	Sequence: 111666 before XPB1
X06b	14963	23-6	1815	Sequence: 111666 before XPB1
X06b	10463	23-6	1816	Sequence: 111666 before XPB1
X06b	14963	23-6	1816	Sequence: 111666 before XPB1
X06b	15863	23-6	1817	Sequence: 111666 before XPB1
X06b	9055	24-6	0806	Sequence: 111666

XPA

11421/12151/13972 kHz, 13-06, 0710/0730/0750 UTC

976 976 976 1 976 976 976 1 976 976 976 1
 07962 00153 91210 85073 40664 92466 53188 87610 93774 54191
 15291 52246 94915 85740 42043 64231 28859 97347 59563 90199
 55810 04780 81626 07232 54076 94540 04966 73206 38132 78404
 43367 01616 06964 23162 17775 30796 01641 94905 26889 92037
 52502 97613 39413 96634 16505 58299 15926 39740 93111 50297
 65798 99865 21250 11561 14969 80651 96162 18894 89177 54204
 60587 99298 06073 12919 48005 86980 83874 72151 97350 19666
 25854 57497 90187 23281 54910 19963 92564 66452 56573 07451
 05905 90311 36199 09083 40872 87216 02061 49044 59407 77906
 99351 96035 67223 11626 27401 01676 08872 07979 78033 10218
 27619 73849 74535 29317 29109 38816 35850 55316 26236 83557
 88424 06047 19725 19336 91667 44490 21841 49925 76413 46373
 11524 82704 19263 24992 31485 92799 63667 34917 76739 71082
 43723 90624 11568 44926 77617 03202 01061 24289 39740 45509
 05443 00252 17769 84867 72790 67343 48698 25692 75067 27007
 05538 35734 65511 70826 79637 44317

11421/12151/13972 kHz, 18-06/20-06/27-06, 0710/0730/0750 UTC

976 976 976 1 976 976 976 1 976 976 976 1
00313 00121 61596 15217 37644 83041 42558 42998 03298 29439
06602 75998 69728 89785 29927 98584 76878 91248 56896 84402
12814 93693 81617 78020 63370 76712 19708 49921 07750 74672
68487 32332 81293 26274 48740 29455 41945 99874 36786 97805
09896 25540 99138 46036 79716 70121 29453 14152 76837 06162
18608 74769 93148 81146 13293 94393 73815 65318 86134 65927
34894 96812 56293 45814 61214 80222 11003 74250 83959 83404
42194 51542 46080 32418 58736 32028 81848 07725 20201 56701
34505 87513 91658 65436 23310 59806 18122 05130 43626 73348
38094 60573 01624 20948 39839 22004 37540 59286 11988 06003
96714 25040 85889 09676 80313 35803 76013 18789 18108 58205
94546 69770 03902 38843 17802 48582 45749 01988 67385 15906
07281 59572 40293 02070

XPA2**16167/14663/13923 kHz, 01-06, 2100/2120/2140 UTC**

09636 00084 83245 23518 12772 75267 06285 99266 20063 88137
73762 97315 56708 81878 06538 50023 14492 54978 51217 36225
40380 60546 70604 23153 75287 48470 31264 31496 92778 72060
73576 85990 00295 82249 65476 13855 15043 97164 36610 10938
04438 73400 72999 19919 86975 33658 42357 54936 50758 43316
55694 23268 19177 02590 34955 55209 71965 55886 22888 41701
64331 01095 40387 99664 54261 25275 90513 49706 30869 54983
71011 94679 70946 40619 83591 60796 91352 14776 84278 94209
84767 57712 94184 76744 34938 79067 56150

14738/13438/12138 kHz, 02-06, 2100/2120/2140 UTC

00499 00106 30548 16452 78226 66297 16177 59215 74642 19062
88611 19664 37884 27703 33032 69357 40436 78602 55716 87850
93130 94693 57093 46652 57155 78113 97700 35452 94550 89008
76095 27501 39294 06312 74067 19644 95055 06536 87782 18644
56105 03489 24918 75265 63127 98883 55374 43823 33519 33148
78423 34883 04531 04067 06515 15269 83121 56133 59257 57488
23703 92630 06739 89256 59758 88614 36484 27359 44274 35193
85787 91161 53443 67994 90830 60577 70547 60654 46767 27552
49387 37313 44272 95896 82121 33645 42951 37194 86620 72527
90534 43827 32676 51216 56866 79017 63855 80136 17503 75672
82092 47964 06583 81892 95622 02030 65218 29758 53605

14892/13492/12192 kHz, 03-06, 1500/1520/1540 UTC

03733 00001 00000 36655

16167/14663/13923 kHz, 07-06/14-06/15-06, 2100/2120/2140 UTC

09634 00090 06920 62770 26373 98549 86538 39021 02951 58737
59711 21974 65631 43136 37758 60337 37690 74278 87015 01875
79525 27545 55420 63787 48434 47024 26242 30070 31869 04371
35903 67281 72414 77805 51375 54170 18538 64962 53499 21981
50161 98053 25325 25297 83067 96329 40381 47288 32475 87236
50646 57334 76534 39667 29894 97695 97295 10153 64088 49091
48209 87573 90166 40050 38047 26945 32532 96942 36801 32835
98370 38544 08370 33956 47191 63956 89315 09134 44541 43251
53419 86841 96220 25058 84486 97600 67452 56813 14832 59119
39460 33036 56137

14892/13492/12192 kHz, 03-06, 1500/1520/1540 UTC

07461 00001 00000 33665

14738/13438/12138 kHz, 09-06, 2100/2120/2140 UTC

09542 00102 56725 62592 53280 ... 48907 43505 54523

2100 UTC: Transmission goes off after 39 seconds then 5 minutes later X06b

14892/13492/12192 kHz, 10-06/15-06, 1500/1520/1540 UTC

00146 00125 60829 67509 19396 98198 32378 90617 30559 45683
41145 10782 89368 87118 33223 15113 40976 90846 92015 28572
93816 86546 32319 44984 77295 17422 62962 70319 21673 65311
49465 67185 11034 23023 16092 02684 40585 96171 04320 41635
62856 25567 06605 86405 82341 48600 76997 19931 35543 08330
21900 55257 36345 40807 81221 12876 18734 90214 15707 31928
33584 21826 92088 77868 68613 82819 27156 89260 13932 57843
44099 07994 87424 30775 15545 62996 75257 12376 24698 38063
71264 12687 49639 15451 08144 60508 34408 43635 37073 08379
75588 28933 04628 15990 23140 46080 15049 82030 44131 12074
38896 48903 59162 04663 56973 64267 26144 72760 23557 05484
86926 33594 81796 55682 66906 08537 06841 31617 64312 95732
30398 44681 06484 57639 21251 54875 20227 53067

13417/14817/15917 kHz, 11-06/13-06/25-06/27-06, 1600/1620/1640 kHz

00343 00125 63195 90411 80993 25612 99894 91869 71181 49118
97782 36286 20782 81116 93037 56212 66709 57417 39191 34493
60541 86520 45369 59003 93227 50845 33023 03958 24514 06045
19917 13206 79941 43960 45757 27782 26977 81993 94556 71440
62272 33411 18770 34215 83789 94946 55614 07459 39708 71182
04776 96489 42222 27611 56165 47544 48022 45474 43777 69813
26016 93116 03985 90065 29318 48741 15462 10522 62938 37606
54855 45817 46880 03139 86912 35835 68256 83728 04564 20894
69067 59707 85788 30831 11020 83833 32956 79061 11439 99293
75810 33845 23198 52319 40602 14982 30174 41882 06252 64839
60772 37052 72812 37429 40877 21677 43019 53424 56540 16211
90599 80677 26545 47420 72673 66138 93099 86681 59429 02631
70690 70759 68456 66754 58815 77027 64597 67145

10324/11524/13542 kHz, 12-06, 0700/0720/0740 UTC

00509 00113 18752 04424 52462 24386 30177 11976 92528 78059
94633 43438 64830 47814 04556 09253 64892 10223 90658 86959
22179 68297 19079 62900 75755 56369 16212 56158 92235 34736
74613 11085 11310 99662 23920 12322 63954 89784 90781 01870
83907 28796 02531 45253 66947 91824 89621 78138 60609 00654
17789 33233 89334 58339 91348 33207 53361 69155 72357 53907
99422 38900 98635 23404 67169 19254 21776 44524 98749 13538
67095 67439 18392 36630 82837 90031 25769 47089 98068 76586
65407 36616 76083 25141 94584 44406 70538 84284 56340 58018
38076 23780 69962 79957 65783 46809 30213 82925 10080 67843
82678 50639 79611 91211 04809 06316 03322 76555 84852 34655
89478 07518 90485 45093 73352 03421

17417/15812/14504 kHz, 12-06, 0910/0930/0950 UTC

09995 00058 76884 33900 61031 14700 69501 06864 84062 69352
22872 41371 52750 69023 07188 46638 67049 50397 72420 29623
53614 68698 44494 45335 87378 84519 10741 23967 53526 03359
84355 78674 82947 63100 05756 12635 88635 86937 49486 43617
62703 88206 80581 85627 13863 58994 33002 58720 19536 74519
82193 08578 05234 79064 13405 15265 17358 09447 01074 36281
51733

13527/12227/11427 kHz, 13-06/15-06, 0910/0930/0950 UTC

09940 00054 78579 42296 55799 02092 01196 90573 11019 54850
71301 79472 28579 09375 15537 81383 80660 48338 96240 04452
98467 71961 16374 86385 59039 60578 62105 83461 24565 16745
89236 02294 98922 46382 25061 80348 08130 76856 99418 02069
52055 07854 57252 26990 82529 16564 31272 20451 31981 52739
47199 39656 17024 30862 49101 43106 43305

10324/11524/13542 kHz, 17-06/19-06/24-06/26-06, 0700/0720/0740 UTC

00418 00193 45310 15237 41769 59112 96181 01655 65180 88317
58996 17070 30449 52769 98472 68302 59507 60026 82333 79141
04210 08206 38813 39993 93963 83127 12868 51216 07573 32554
78199 69968 71915 77452 53300 36870 96301 94812 89769 50246
59045 22199 05994 69306 47307 09710 31583 27717 78096 47747
50688 23837 05227 56768 59068 95231 77927 57045 73612 21983
31702 11501 71792 32563 89513 35327 89496 33655 16012 88206
16077 97896 94554 58675 46178 50759 93975 02373 71570 58370
91536 11522 50927 55197 59065 48997 06527 16431 00467 54135
31458 61818 33295 70939 64800 11507 94206 03295 61248 63658
02076 15251 49028 71418 60421 48463 20410 74965 09503 69478
43898 66521 43177 20528 60116 56326 99541 75083 67252 18246
73912 83810 55331 22340 64553 49356 27236 50420 01692 04699
09194 67242 09530 68078 80985 37840 30143 20454 16102 80252
10520 86700 09385 83458 56565 06378 58755 37377 55589 16048
92811 23803 31545 87334 15653 59353 99419 31187 44999 50312
96539 61243 68812 81578 85128 11819 68604 71709 30292 57160
72145 36895 24102 60084 06831 85763 91506 99058 18552 03820
15524 34803 66548 73353 17263 28768 01136 63105 02619 26737
67688 21545 98318 23471 08843 46440

17417/15812/14504 kHz, 17-06, 0910/0930/0950 UTC

07383 00001 00000 34267

14892/13492/12192 kHz, 17-06, 1500/1520/1540 UTC

07906 00001 00000 44657

13417/14817/15917 kHz, 18-06, 1600/1620/1640 kHz

03436 00001 00000 36256

17417/15812/14504 kHz, 19-06, 0910/0930/0950 UTC

04089 00001 00000 35664

13427/12227/11427 kHz, 20-06/22-06, 0910/0930/0950 UTC

00462 00032 13477 07473 29977 36273 58598 67951 06841 16188
78598 23137 79464 79102 05386 38526 96204 41947 88941 10990
59898 59964 38280 97027 20604 50209 06803 40448 97806 43506
08079 88862 51579 65162 07237

13417/14817/15917 kHz, 20-06, 1600/1620/1640 kHz

02664 00001 00000 36260

16167/14663/13923 kHz, 21-06/22-06, 2100/2120/2140 UTC

06079 00036 01212 05307 68026 13370 08445 64077 88610 38532
98971 07925 01782 00928 47481 08259 95520 81534 95732 07748
59707 71627 21967 80659 86331 28106 51302 61913 87723 07647
00506 38893 63241 80801 02955 49249 44841 07635 65575

14892/13492/12192 kHz, 22-06, 1500/1520/1540 UTC

02550 00001 00000 33657

17417/15812/14504 kHz, 24-06, 0910/0930/0950 UTC

00376 00232 13465 05475 67179 67353 40734 32923 95640 81472
43942 01041 71158 95910 45632 14866 99064 51356 62113 37637
30357 81536 60846 22840 24429 33163 64305 35031 77535 90735
83070 01361 25410 17131 68909 23638 82766 36394 56695 10704
13386 77001 33543 77784 39364 50567 19113 18055 10582 02829
49496 80386 66541 47796 60800 63534 38001 86984 95319 51331
80512 37251 77721 52186 72625 85742 19112 24593 59436 30552
10173 68926 10191 98706 37274 57642 24691 53486 20781 14426
73525 64563 39576 25784 21793 18348 05169 23944 48322 37802
20362 82977 77346 31637 75573 05310 88099 15213 74884 54671
26566 85699 60011 17432 73199 47818 19508 28910 59089 98220
39003 54793 23192 07673 20668 37457 26012 90404 64846 39542
75549 76102 96778 52032 64843 95262 81797 35115 77978 61322
36488 59191 58926 19036 22462 29691 88599 35265 75250 21250
01605 74206 15378 50823 71635 93691 89111 40749 26372 34687
73195 20613 04353 52824 88553 91890 28358 93472 65430 73027
66942 08630 71387 91395 85270 72321 26480 55830 54339 23719
38379 70654 37155 16003 30993 67962 45762 26368 25513 36376
22059 16151 59129 81471 37910 50478 34921 89238 15749 40152
37381 65217 73717 68034 93069 42305 96970 82438 66849 02822
95437 30712 61838 54673 78884 27267 05403 87799 07757 09559
04400 02257 39238 41895 78898 75891 73430 60227 02552 19813
19892 11140 77875 76918 40240 70734 23166 14318 59312 88719
73908 96212 06906 60462 15145

14892/13492/12192 kHz, 24-06/29-06, 1500/1520/1540 UTC

00146 00125 60829 67509 19396 98198 32378 90617 30559 45683
41145 10782 89368 87118 33223 15113 40976 90846 92015 28572
93816 86546 32319 44984 77295 17422 62962 70319 21673 65311
49465 67185 11034 23023 16092 02684 40585 96171 04320 41635
62856 25567 06605 86405 82341 48600 76997 19931 35543 08330
21900 55257 36345 40807 81221 12876 18734 90214 15707 31928
33584 21826 92088 77868 68613 82819 27156 89260 13932 57843
44499 07994 87424 30775 15545 62996 75257 12376 24698 38063
71264 12687 49639 15451 08144 60508 34408 43635 37073 08379
75588 28933 04628 15990 23140 46080 15049 82030 44131 12074
38896 48903 59162 04663 56973 64267 26144 72760 23557 05484
86926 33594 81796 55682 66906 08537 06841 31617 64312 95732
30398 44681 06484 57639 21251 54875 20227 53067

13427/12227/10827 kHz, 23-06/25-06, 2100/2120/2140 UTC

00107 00020 65512 38069 86751 69968 58362 45774 18384 11273
28036 20308 64791 72989 59666 61696 53874 14962 01175 48965
41111 54879 42570

13527/12227/11427 kHz, 27-06, 0910/0930/0950 UTC

02381 00001 00000 33262

16167/14663/13923 kHz, 28-06/29-06, 2100/2120/2140 UTC

00441 00034 71878 25465 23868 65442 96649 78660 93619 51854
74528 60599 70453 61562 88499 29327 46027 47760 22520 63266
13054 10448 94674 86691 94966 06176 81748 21103 63509 40158
44659 92047 90986 34350 34318 69106 47125

13527/12227/11427 kHz, 29-06, 0910/0930/0950 UTC

06834 00001 00000 37261

13427/12227/10827 kHz, 30-06, 2100/2120/2140 UTC

04928 00001 00000 41656

XPB1

MFSK-16 transmissions

15863/14963/13963/12163/11163/10463 kHz, 04-06, 1900/1910/1920/1930/1940/1950 UTC
15863/14963/13963/12163/11163/10463 kHz, 09-06, 1900/1910/1920/1930/1940/1950 UTC
15863/14963/13963/12163/11163/10463 kHz, 11-06, 1900/1910/1920/1930/1940/1950 UTC
15863/14963/13963/12163/11163/10463 kHz, 16-06, 1900/1910/1920/1930/1940/1950 UTC
15863/14963/13963/12163/11163/10463 kHz, 18-06, 1900/1910/1920/1930/1940/1950 UTC
15863/14963/13963/12163/11163/10463 kHz, 23-06, 1900/1910/1920/1930/1940/1950 UTC
15863/14963/13963/12163/11163/10463 kHz, 25-06, 1900/1910/1920/1930/1940/1950 UTC
15863/14963/13963/12163/11163/10463 kHz, 30-06, 1900/1910/1920/1930/1940/1950 UTC

DIPLOMATIC STATIONS

North Korean diplomatic stations

12102 kHz, 21-6, 1231 UTC, DPRK-ARQ 600 LSB
13376 kHz, 22-6, 0803 UTC, DPRK-ARQ 600 LSB
14712 kHz, 26-6, 0820 UTC, DPRK-ARQ 600 LSB
16122 kHz, 26-6, 1351 UTC, DPRK-ARQ 600 LSB
16119 kHz, 26-6, 1356 UTC, DPRK-ARQ 600 LSB
13875 kHz, 27-6, 1359 UTC, DPRK-ARQ 600 LSB

Egyptian diplomatic stations

13991.7 kHz, 20-06, 1419 UTC, SITOR-A 100/170
13991.7 kHz, 20-06, 1422 UTC, SITOR-A 100/170
13991 kHz, 20-06, 1424 UTC, Codan chirp
12519.7 kHz, 21-06, 1248 UTC, SITOR-A 100/170

OOVP: Egyptian embassy Islamabad clg SSTB: MFA Cairo
SSTB: MFA Cairo msg to OOVP: Egyptian embassy Islamabad
99901: MFA Cairo clg 44405: Egyptian embassy Islamabad
Egyptian diplo i.p.

UTILITY ROUND-UP

Jammers

3480 kHz, 4-6, 1557 UTC North Korean jammer covering Voice of the People AM
4450 kHz, 4-6, 1609 UTC South Korean for PBS Pyongyang Pansong broadcast
3480 kHz, 13-6, 1600 UTC Voice of the People Goyang being jammed
3985 kHz, 13-6, 1607 UTC North Korean jammer jamming Echo of Hope

US JCS Foxtrot Messages & Emergency Action Messages

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

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

Date	UTC	Callsign	Details
12-06	0047	Mail Hub	54 chr EAM EBND43 VIQFRMEMH75ZXCSQ5437WWVFR7DZKNLOTKWWPCJT34KNLENE
12-06	0057	Mail Hub	30 chr EAM EBCTWK KSGH7SBBDO4NVUHCALFF7E2I
12-06	0104	Mail Hub	30 chr EAM EBKPLZ HA3SXUYFE6SJU446ZEDNM3X3
12-06	0115	Mail Hub	30 chr EAM OQFS6H IGBXCMAOJBH4HEEV2VDRWPMZ
12-06	0118	Mail Hub	30 chr EAM OQD6H4 T2FVL2K2G2A3JQPYTL54RBJC
12-06	0130	Mail Hub	30 chr EAM OQW4FK UVGFQ3JJUVIKIMWWZFXC7HLR
12-06	0135	Mail Hub	30 chr EAM OQZPKC DOBB6X6Z67ABUWUVGXIYCRH7
12-06	0146	Mail Hub	30 chr EAM OQTCNP WRXHYSUREE6PRHAOMHJWAF2U

12-06	0212	Mail Hub	30 chr EAM OQDXE7 PF4J6RKfZPL4FUPAET5NR4YT
12-06	0328	Mail Hub	Skyking message: The Doors time 28 auth TQ
12-06	0454	Mail Hub	30 chr EAM OQHPKD RT2N3Z3KT2TD5QLDV5HV2JQ4
12-06	0557	Mail Hub	30 chr EAM OQPQAJ OGVVG4CKCM2E5SDWNPVYOSUH
12-06	1413	Mail Hub	30 chr EAM for Skippy EBTSHI OBRAQA57HBR5DERG6Z45Z3DX
12-06	1443	Mail Hub	30 chr EAM for Skippy EBD77Z OOMF4QXKFENGORE5S5SKTPDL
12-06	1627	Mail Hub	52 chr EAM EBV5AE 7DVAD7HX5KPXB5NUJ2GNUJCRUVXEVABYNU4UVPEAP43IYD
12-06	1803	Mail Hub	30 chr EAM for Skippy EBMDTV F7YSAUNUOV827NXVU6CQXFQ
12-06	1822	Mail Hub	30 chr EAM for Skippy EBCO7D HPTJOW4ISLWL2NPRL3RR6TT2
12-06	2229	Mail Hub	30 chr EAM for Skippy EBTOP3 DRJTF3DZ2EGXMD4OG3LC3MYD
12-06	2241	Mail Hub	30 chr EAM for Skippy EBLWSV AWKCQLHUK4KXVRZGC5XRLQX3
13-06	0115	Big Burley	30 chr EAM OQ7RY7 VRJXWNTN4KPN3IEX4ZGILKXO
13-06	0154	Big Burley	30 chr EAM EB5Y7F RRBXIRQJWLR5ES3OB7EAO2LP
13-06	0226	Big Burley	30 chr EAM OQQFWB 5FRNBOLXRASS3BC3OQF5LPEK
13-06	0345	Big Burley	30 chr EAM B5QO4V YG5TD6JLIVXBRTYUOOZJC7U
13-06	0425	Big Burley	30 chr EAM OQFCYE IBTZOK2V6UGDJXE4LB46SLRU
13-06	0927	Big Burley	94 chr EAM J2GDDN NZ7JVSBDUE6PPIERJJ46PFJB4FJZ3EB3Y73UUUUR77TPOZ7AR6WG3WKQ4IMMMMP4NNNNZ6LK OLAZS24TCOY6GYQOQ
13-06	1112	Big Burley	30 chr EAM OQ3CA4 E4HBXSREEG6U3TTHL5J36RHZ
13-06	1202	Big Burley	30 chr EAM for Flipper B5YFE3 QXRHM6ALJ3INY43J2VEKM47J
13-06	1223	Big Burley	30 chr EAM for Flipper B5DPB6 L3AN2VQA6LX7UP35JVOELV6R
13-06	1409	Big Burley	30 chr EAM OQ72NN 6E37NHNZXHROG5OVJPD3NFPX
13-06	1526	Big Burley	30 chr EAM B56C2U PF7NQUNFEOYIWSBGP72EHSX7
13-06	1530	Big Burley	30 chr EAM OQG7NP FTOQFNQJ27WS5GVLUWM6I7YD
13-06	1534	Big Burley	30 chr EAM OQFBNU NDEGRNLEEQMZ3MWQOFI3XKYJ
13-06	1608	Big Burley	30 chr EAM B5AUBQ 3MUFVWCN72BULFNAQ4MM2X2Y
13-06	1710	Big Burley	30 chr EAM for Flipper B5RCVU GBTOQ5QOZMQ4EPALBBPWMLIJ
13-06	1732	Big Burley	30 chr EAM for Flipper B5X7ZD BTZKZZR7FXI2F2F7N5M7OPX6
13-06	1840	Big Burley	30 chr EAM OQQUUO HPJCFQUH7IW3WNDXFM4BGGQF3
13-06	1847	Big Burley	30 chr EAM OQVOG2 K4X4F4RFQOB7TXBHY5DTWR6I
13-06	1930	Big Burley	30 chr EAM OQ6GFR WEPF3H3KT6XXPIU5YKQBXCZV
13-06	1933	Big Burley	30 chr EAM OQ74HG HTHN4274DCOO66RRAZ72FKCS
13-06	1953	Big Burley	30 chr EAM for Flipper B5GOEN GGYM3P76GXN6AFZELOTFJN
13-06	2016	Big Burley	30 chr EAM OQTMXD EFNVE2DLAB2D3N6KYB7HXANJ
13-06	2023	Big Burley	30 chr EAM for Flipper B5POHR 2UMH34QNMSGJE53FSB6YDVQ
13-06	2323	Big Burley	30 chr EAM B5UAAN BXFX3NMMDGKOP573OPDEFZI
13-06	2347	Big Burley	30 chr EAM OQ37HL ZNJZFT4IQYCW846CAP7K643I
13-06	2350	Big Burley	30 chr EAM OQWARJ DHUOYPHAEUG2RHRISW1324ZY
14-06	0040	Commence	30 chr EAM OQW4SU HIZMAORG7QSEWFL4JTDMP2SB
14-06	0044	Commence	30 chr EAM OQIT7T 3BXJZNN3TXSVUHWLSKFXUNDB
14-06	0056	Commence	30 chr EAM OQPMQB VG3AHS5E2T4Q65IBUMIJQECK
14-06	0101	Commence	30 chr EAM OQWVSU HIZMAOR67QSEWFL4JTDMP2SB
14-06	0117	Commence	30 chr EAM OQ6HED 7EQBHUA53DWWMXNBDVZ6TVGA
14-06	0633	Commence	30 chr EAM OQW5LP WXLRWK2BM6JHKFNHGQOGSXA
14-06	0657	Commence	30 chr EAM OQL57J MKEBBA2BXPYWGEXTCDXSXIETL
14-06	1143	Commence	30 chr EAM for Flipper B5X6HK S7U7JT64GMCXR4LU3G35K2AG
14-06	1146	Commence	30 chr EAM for Flipper B5X6HK S7U7JT64GMCXR4LU3G35K2AG
14-06	1159	Commence	30 chr EAM for Flipper B5RW3F HJ3OSQV4LEVATRQYRI5KJEUO
14-06	1203	Commence	30 chr EAM for Flipper B5RW3F HJ3OSQV4LEVATRQYRI5KJEUO
14-06	1611	Commence	30 chr EAM OQ5DVR 2MEIGOUHYZ4RTOUQUR25DNLY
14-06	2138	Commence	92 chr EAM J27VTM XQVU7CYRRH4EOTG47GH67XXT63IXOVVBOIASSSSAZ7SLSSPKM7VISUNSAIFWGX7HKVPASOZZJ 5555XDW4SAF4Q
14-06	2338	Commence	41 chr EAM B5SOGX IZFLOU3MVEX745DHKLEDHKZG5WT2APHVQHL
15-06	0034	Stairway	30 chr EAM B5DMVU PARKI2IFW3RXQNW6XKGVJIJ3
15-06	0038	Stairway	30 chr EAM for Massive B5VDYW CJX563ZBZBAHTBX3VTMMTLOC
15-06	0055	Stairway	Skyking message: The Doors time 55 auth BU

15-06	0307	Stairway	30 chr EAM OQ4F67 QQBS4BOVIXJFWPGRHGA2Z6Y
15-06	0224	Stairway	Skyking message: Roses time 24 auth BX
15-06	0335	Stairway	Skyking message: Roses time 35 auth WG
15-06	0401	Stairway	Skyking message: Roses time 01 auth JJ
16-06	0417	Plustime	30 chr EAM OQF3VC YAW43E44FXACRESX6TW76FLP
16-06	0549	Plustime	30 chr EAM OQIOJL DZWBPBMRH5V6YWOY6NBCIM4LZ
16-06	0456	Plustime	30 chr EAM OQQHSS 3YBKCMVTSNBGL66DOEJ2DIHS
16-06	0747	Plustime	30 chr EAM OQRNW2 USVCT2C66RVO54C3YAFU5LPI
16-06	1733	Plustime	30 chr EAM OQB3AK 573XDZOAQIB3A3BYS27FBZT
17-06	0224	Dogmatic	30 chr EAM OQ5KZD BQP2LHLY5UWTL5VT7ST2G6DF
17-06	1311	Dogmatic	30 chr EAM B5W5J3 LYWOL6E3PM6Q4NHXKEKOC6TU
17-06	1342	Dogmatic	30 chr EAM OQR6AT 6JE2GE6QVEXFOJFZHRA3QCWP
17-06	1417	Dogmatic	46 chr EAM B5W64R CTOF6SXGAEGN4F6YVAT6Y2GT2UVTMPSSKUTN5MT2
17-06	1509	Dogmatic	36 chr EAM B5VQRU YDJZ64OFHW2QCOPV3FHISKYOTCWDAX7
17-06	1516	Dogmatic	30 chr EAM OQTQMU EKY4Z24ISMWAUDQUB4Y3NTHV
17-06	1526	Dogmatic	30 chr EAM OQWRON 4P5CKIKHGCJVJGOXUKYKGFOWX
17-06	1530	Dogmatic	30 chr EAM OQWRON 4P5CKIKHGCJVJGOXUKYKGFOWX
17-06	1532	Dogmatic	30 chr EAM OQTQMU EKY4Z24ISMWAUDQUB4Y3NTHV
17-06	1655	Dogmatic	30 chr EAM OQPFUE PKLTWYXLTAEZEEV44TM4HBZE
17-06	1935	Dogmatic	30 chr EAM OQD36X 3FLPJ4VF2OSTU3QQLVZRQYDU
17-06	2149	Dogmatic	30 chr EAM OQVFYN 5A7O3EWBVD3FX4NL673EPFVU
17-06	2203	Dogmatic	30 chr EAM OQK733 KKSBOWE4R364ENMPNYKGRQAI
17-06	2213	Dogmatic	30 chr EAM OQA7AE AMGBGPJ7RDQNNQDYYV6D4VM3
17-06	2215	Dogmatic	30 chr EAM QEAD4 3BBU47FV5BPZY56B23E5ZN26
17-06	2218	Dogmatic	30 chr EAM OQYFWF KZFTUO7UJ6OZ7LPW3BIRT7XL
17-06	1935	Dogmatic	30 chr EAM OQKAQG 2S4FW7NPN3DJ4VJBC2I4L2CW
18-06	0108	Astrocaps	30 chr EAM B554TG X3KQBH3WNEDRJHHIVB63HK7O
18-06	0213	Astrocaps	30 chr EAM OQECWS VADDX233HWI3P5AZNTUV5XHZ
18-06	0227	Astrocaps	30 chr EAM OQC25L BSOZHHA5BCKA7U4SESEWKR4
18-06	2232	Astrocaps	30 chr EAM QLEBX LNUQT3U2HE7DN4MKB4LIHFA
19-06	0047	Horsefly	30 chr EAM B5TEND YHZKWT3TFGTSBGUHANBHLJLO
19-06	0102	Horsefly	30 chr EAM OQUTOA TKA73DRLKZ3NDJAGJQ7INO4T
19-06	0120	Horsefly	30 chr EAM OQGW53 4WM2Y7SU6WJSBV7WBSGTA6XL
19-06	0444	Horsefly	Skyking message: Skynyrd time 44 auth AL
19-06	0505	Horsefly	30 chr EAM OQNED7 2HS5OPELRF54AAA4KG4LUJZ
19-06	0508	Horsefly	30 chr EAM OQYSIQ 2W2W4O32BGSDA5VTXSLXSUTQ
19-06	0512	Horsefly	30 chr EAM OQM7RS PFXMHG4KBFAN2MUI4VSH4OP
19-06	0615	Horsefly	30 chr EAM OQ5ML6 EDT4N57KCTS6MY44SUWORJFY
20-06	1324	Rectangle	116 chr EAM N6AJ4W UIQABYDM3PRPJYGRPIBK4FWF4FCPJV6PJMMMM3ZK2GTKBNOGWVRFJWL32KFUMJQMQXD CC2KC5RRRRS6GAE3IEB62DEEVHUEIIII7DA5INWHB
20-06	1332	Rectangle	30 chr EAM for Glacial B54TD4 - HXSE27MSMNAQC6MFSR5H47G4
20-06	1336	Rectangle	30 chr EAM for Glacial B5A4SF ZWXXD4IF4CLPTRYECNR3FM4F
20-06	1340	Rectangle	116 chr EAM N6AJ4W UIQABYDM3PRPJYGRPIBK4FWF4FCPJV6PJMMMM3ZK2GTKBNOGWVRFJWL32KFUMJQMQXD CC2KC5RRRRS6GAE3IEB62DEEVHUEIIII7DA5INWHB
20-06	1400	Rectangle	116 chr EAM N6AJ4W UIQABYDM3PRPJYGRPIBK4FWF4FCPJV6PJMMMM3ZK2GTKBNOGWVRFJWL32KFUMJQMQXD CC2KC5RRRRS6GAE3IEB62DEEVHUEIIII7DA5INWHB
20-06	1430	Rectangle	116 chr EAM N6AJ4W UIQABYDM3PRPJYGRPIBK4FWF4FCPJV6PJMMMM3ZK2GTKBNOGWVRFJWL32KFUMJQMQXD CC2KC5RRRRS6GAE3IEB62DEEVHUEIIII7DA5INWHB
20-06	1500	Rectangle	116 chr EAM N6AJ4W UIQABYDM3PRPJYGRPIBK4FWF4FCPJV6PJMMMM3ZK2GTKBNOGWVRFJWL32KFUMJQMQXD CC2KC5RRRRS6GAE3IEB62DEEVHUEIIII7DA5INWHB
20-06	1540	Rectangle	116 chr EAM N6AJ4W UIO- QABYDM3PRPJYGRPIBK4FWF4FCPJV6PJMMMM3ZK2GTKBNOGWVRFJWL32KFUMJQMQXDCC 2KC5RRRRS6GAE3IEB62DEEVHUEIIII7DA5INWHB
20-06	1600	Rectangle	116 chr EAM N6AJ4W

			UIQABYDM3PRPJYGRPIBK4FWF4FCPJVV6PJMMMM3ZK2GTBNOGWVRFJWL32KFUMJQMQXD CC2KC5RRRRS6GAE3IEB62DEEVHUEIIII7DA5INWHB
20-06	1700	Rectangle	116 chr EAM N6AJ4W UIQABYDM3PRPJYGRPIBK4FWF4FCPJVV6PJMMMM3ZK2GTBNOGWVRFJWL32KFUMJQMQXD CC2KC5RRRRS6GAE3IEB62DEEVHUEIIII7DA5INWHB
20-06	1728	Rectangle	30 chr EAM B5DKU6 5WDHPANALVFPGZMOUCS6OGPI
20-06	1731	Rectangle	116 chr EAM N6AJ4W UIQABYDM3PRPJYGRPIBK4FWF4FCPJVV6PJMMMM3ZK2GTBNOGWVRFJWL32KFUMJQMQXD CC2KC5RRRRS6GAE3IEB62DEEVHUEIIII7DA5INWHB
20-06	1808	Rectangle	52 chr EAM B5Y74K LTZ4JKF54VE263GA73SE4TEFDWDINMLDFTKDWD7LEXQIL6
20-06	1916	Rectangle	68 chr EAM B55F7I UWQH7NQN5VCLAYS5M5YSQV5EM3ZEXGXE67TS3OUXGXLDWSSOBUKEL6MJSBBGI
20-06	1923	Rectangle	30 chr EAM OQDLA3 FE7Z7K3PNI4RDWXMKLC2NKEY
20-06	2138	Rectangle	120 chr EAM N6CPLZ RQUR7RXSLFWJGZPU6PECS6THQQUBFGEG44IVVVVFOGCTGFI77QKJYXYKWLLLL3DGIL3PPG6F6 OTO3V6CCCCZ2GAK2O3CR32GXNWLEZZZPV3JJG6FB
21-06	0048	Lifelong	30 chr EAM B5BAH2 A4AMLDRHXHH2EKJSA6YZEV2
21-06	0117	Lifelong	30 chr EAM OQKJWW ARSTXS6VYPLBM3WI75W6DVNK
21-06	0240	Lifelong	Skyking message: The Who time 41 auth AQ
21-06	0251	Lifelong	Skyking message: Rowling time 51 auth FA
21-06	0307	Lifelong	Skyking message: Skynyrd time 07 auth WZ
21-06	0310	Lifelong	Skyking message: The Who time 10 auth UE
21-06	0318	Lifelong	Skyking message: Rowling time 18 auth AM
21-06	0352	Lifelong	Skyking message: The Who time 52 auth AV
21-06	1412	Lifelong	30 chr EAM for Cava B5HNZL 7GQ7M6WHFC464M62SH5M7OEJ
21-06	1424	Lifelong	30 chr EAM for Cava B5FRD5 YUEUYQ6RA5FQA4MS35FGWEGP
21-06	1523	Lifelong	30 chr EAM for Cava B5JCYQ E5SQFZH7ZOI3242AQZ6QLF3M
21-06	1535	Lifelong	30 chr EAM for Cava B5HYFY SJFKKCUAPZYGMQYHKYGGRRMM
21-06	1552	Lifelong	30 chr EAM OQFOCC C3C4OLBHJTLJLNGQQ6GGL5YJP
21-06	1622	Lifelong	30 chr EAM for Cava B5PFAZ BVUOOCTQPBFIUJKYPAPE64QJ
21-06	1642	Lifelong	30 chr EAM for Cava B5RURE 2EH7T6SZUL2OIJ3BRCN7BFN4
21-06	1800	Lifelong	30 chr EAM B5FZOM GYMHIYXE3BKSCJIZWJA3IJFM
21-06	1900	Lifelong	30 chr EAM OQD27A YQROQWKKEJ3EIRJNO7Z4IOQ
21-06	1903	Lifelong	30 chr EAM OQULK3 LYLZ5VEAG6LZ27NWDYYPWFU
21-06	1906	Lifelong	30 chr EAM OQD27A YQROQWKKEJ3EIRJNO7Z4IOQ
21-06	1909	Lifelong	30 chr EAM OQN2NG WIPHO2HBQOE3K4O3MURTC2SO
21-06	1912	Lifelong	30 chr EAM OQ2MY4 XU66OPM4DAEFRYJFYWQ7K2WC
21-06	1930	Lifelong	30 chr EAM OQD27A YQROQWKKEJ3EIRJNO7Z4IOQ
21-06	1933	Lifelong	30 chr EAM OQWKJP 7NYV3A6XWQBSPMEB5IDEGLO
21-06	1936	Lifelong	30 chr EAM OQN2NG WIPHO2HBQOE3K4O3MURTC2SO
21-06	1941	Lifelong	30 chr EAM OQA3CY TVPFRW6W7NSNLIKQK7FSNEGL
21-06	2334	Lifelong	30 chr EAM OQ6YEV X2MSC44CRWNALE5CDVV5LOKZ
21-06	2337	Lifelong	30 chr EAM OQJGHS HPUWKLEDHQHQ5MHNYH72OJRB
21-06	2340	Lifelong	30 chr EAM OQOPC2 FKMLGYQ5TWQSNTSBB3X4QRAJ
21-06	2344	Lifelong	51 chr EAM B5K7EZ 4XY446TCRRQCRDECRSCEQ5TBU3MDL4PVITRMOXNZF27LN
22-06	0000	Samworth	30 chr EAM OQOPC2 FKMLGYQQTWQSNTSBB3X4QRAJ
22-06	0002	Samworth	30 chr EAM OQJGHS HPUWKLEDHQHQ5MHNYH72OJRB
22-06	0004	Samworth	30 chr EAM OQ6YEV X2MSC44CRWNALE5CDVVGLOKZ
22-06	0010	Samworth	30 chr EAM OQJQJ CHUFKEZLSTXTJQBZMQJWS5YP
22-06	0030	Samworth	30 chr EAM OQOPC2 FKMLGYQQTWQSNTSBB6X4QRAJ
22-06	0033	Samworth	30 chr EAM OQJGHS HPUWKLEDHQHQ5MHNYH72OJRB
22-06	0035	Samworth	30 chr EAM OQ6YEV X2MSC44CRWNALE5CDVVGLOUZ
22-06	1529	Samworth	30 chr EAM OQBJHB A5GYEOMXXQ3YWNWCBEDBJ2CP
22-06	1531	Samworth	30 chr EAM OQEBF4 762BJJP4NPGE7RKIOWZDFKOE
23-06	0449	Prologue	30 chr EAM OQUSNJ HPSVTM4OY7Q6L7TXF7ZKXHRB
23-06	0454	Prologue	Skyking message: Roses time 54 auth CD
23-06	1444	Prologue	30 chr EAM OQGD3L DZL7PFXDHBRZVFLDP76IJFLQ
23-06	1447	Prologue	30 chr EAM OQF7QG H76W5QW6PBWEVMT5TTLN7HGV

23-06	1459	Prologue	30 chr EAM OQGS7B KHKZDRZX4JVJSOEEHW6LSZYC
23-06	1501	Prologue	30 chr EAM OQF7QG H76W5QW6PBWEVMT5TTLN7HGV
23-06	1504	Prologue	30 chr EAM OQGD3L DZL7PFXDHBRZVFLDP76IJFLQ
23-06	2223	Prologue	30 chr EAM OQF5U6 6HUMPSFQLV3URWHEATGWUKZO
23-06	2233	Prologue	30 chr EAM OQWBQF IZSRH363R5FVUJVHO4KR2I7O
23-06	2247	Prologue	30 chr EAM OQWQ63 C2PBCJ7QYHDWIMBVDPCPSREYZ
24-06	0217	Tea Tray	30 chr EAM OQDMWV 5OTVJHQXVLDQHL2EYHCXV3B5
24-06	1506	Tea Tray	30 chr EAM B5KUA2 3NWAGTMP7NQBZFDZRGJKTEDO
24-06	1510	Tea Tray	30 chr EAM B5FME2 ZPCBPSGZ5LESBVAOZA73X7PK
24-06	1632	Tea Tray	30 chr EAM OQPVRQ INZPXGT32FOCMZOATJ2NTQXP
24-06	1654	Tea Tray	30 chr EAM OQTAIT I7OWJK2VCVJWUT6CLY7NHDOB
24-06	1937	Tea Tray	30 chr EAM OQQ6GB FDJPUACTI32KDAAQS7PR6DEL
24-06	2202	Tea Tray	30 chr EAM OQBAIL NFYUXAXO3B6EZCUDY66RPIYL
25-06	0243	Tabilion	30 chr EAM OQTSKT AXOJNP6GMP4IPQWCEY57IWKY
25-06	2125	Tabilion	30 chr EAM OQV47I MSZVPAHAZVKGVZWAMFWHVKCP
26-06	1745	Proball	30 chr EAM OQ3TJR DNVB6JXZ4BAP5Q5JSF3L6
27-06	0017	Tree Frog	30 chr EAM OQHVFN T6LFEM4EFUB5T6GOEXXGV2JC
27-06	0422	Tree Frog	30 chr EAM OQYJLR SV7DN26ZL3WFJGXYTJ2IGDLM
27-06	0436	Tree Frog	30 chr EAM OQ4M2V JQYUDVUMKXPU6WB36OXSL7HW
27-06	1803	Tree Frog	30 chr EAM OQNYGO FGHLU4AXHWR7XIXWEIBZCXNJ
28-06	0737	Mackinaw	Skyking message: Duran Duran time 37 auth DY
28-06	1407	Mackinaw	30 chr EAM OQPXSU YXTRUBDTCYDITMC6PS3DR6WS
28-06	1905	Mackinaw	36 chr EAM B54G4D ITEIKTVTEAF6WFGAALUGDFMEDMWBI7
28-06	1913	Mackinaw	47 chr EAM B5Q3IJ VPAPZDP5HHLLPODZ4FLOEUR5KWGL2YLECTNXHUHLT
28-06	1916	Mackinaw	47 chr EAM B5Q3IJ VPAPZDP5HHLLPODZ4FLOEUR5KWGL2YLECTNXHUHLT
28-06	2202	Mackinaw	30 chr EAM OQTY4J XK4UPQPICNYB5LTGHPXAVUYN
28-06	2346	Mackinaw	30 chr EAM OQDSCJ 62RRX2Z3QLOALPM5UBYJD7HP
28-06	2348	Mackinaw	30 chr EAM OQIZHO MST6K7GHN3O4JRPQ2KOKCD4Q
28-06	2350	Mackinaw	30 chr EAM OQZ5Q7 6IEUVA2ULPF3OV6YPENLDQOI
28-06	2352	Mackinaw	30 chr EAM OQ2R5F FJHVYDE22FAFU3L46XHLM32E
29-06	0019	Decurrent	Skyking message: The Doors time 19 auth JN
29-06	0104	Decurrent	Skyking message: Rush time 04 auth DM
29-06	0132	Decurrent	Skyking message: Springsteen time 32 auth LZ
29-06	0449	Decurrent	30 chr EAM OQ6LUM OQVO2LLFWY7YHRJ5L4ANUK4S
29-06	0503	Decurrent	30 chr EAM OQ32R2 WSE67IXRSALHVZUYWLHQVX57
29-06	0517	Decurrent	30 chr EAM TLZKD5 Q2E5ROLELUGCQ55IWIZFSK6E
29-06	0519	Decurrent	30 chr EAM TL7636 CSCDLESH3AYOPEDZONE2SROG
29-06	1349	Decurrent	30 chr EAM TLLHFH O77ZZ7WAAHKOJUOAJQPYWO34
29-06	1358	Decurrent	30 chr EAM TLAHV2 MXOXWNCJUZVXTS2H5G74NLC2
29-06	1415	Decurrent	30 chr EAM TLJ3JR 7VPTUOHOUAAGAA4Y73MA4A6
29-06	1420	Decurrent	30 chr EAM TL3AID 4ZJ2AUCFVRZMLBAG2ME473DY
29-06	2205	Decurrent	41 chr EAM B5WILN KYQI2YNME3OQRUVTWWEVTWVQPLJBALGNRYO
29-06	2215	Decurrent	36 chr EAM B5DXOO T2WIWZ3DDLDYBZ3XITA6GLV2BQBCNF
30-06	0047	Umbrella	30 chr EAM TLPI7D UWYRII6B72YOSRH5QFHU6DL2
30-06	0244	Umbrella	30 chr EAM TL7C6P QU4HSDUZ4T6JMJV3M37GQM32
30-06	0341	Umbrella	30 chr EAM TLITLV KICJJUX77NKCEGP46LPXRU3Y
30-06	0434	Umbrella	30 chr EAM TLCWZU 3ORGNHCRL7NM7Z7NWNQYGIVE
30-06	0505	Umbrella	30 chr EAM TL666Z 3MXJKDGY4M7MUVDCPISJQA72
30-06	0523	Umbrella	30 chr EAM TLCFPA 72NHGWXR7P55MCUMHJTPWEZO
30-06	0527	Umbrella	30 chr EAM TLHTFI YVR5UJEYTF4W3Y7EY6Z3UPYW
30-06	0531	Umbrella	30 chr EAM TLPODE 6WUQ7Z6WQF7BQMG53DVHAITS
30-06	1746	Umbrella	144 chr EAM N6USJM Q6P26KKX7EYMAXC5SCWZ72J3YBGQNG23CU7FM7XHKUVJHWRRDPZRR6666QAVYMAIXXIWB RD6QD2NCJWSLMDSGINVZ44WF7WA22VXQ2Q6666WZ7NAEJJJEFTT2TGT3NNNNTER44GEIF
30-06	1845	Umbrella	176 chr EAM N6RIK7 2D22UWN43Z3CFHX7AXDQALU27JIOOOZZVN43G3R3AEEEEHC5K444V66CFJPJSVOMMMM37A ZTTT6HGAVUMUVMYNNNNKQYAPBAEZNOG6A4OA2QOGHYRFJWYD2KFI76MUYPKQIPDRRR RS6GAB7R3632XXJUHUHIIII7DA5GEPQB

30-06	2149	Umbrella	30 chr EAM TLCMAK JEWLVD6OST7O6UDJ47U4OJYF
30-06	2343	Umbrella	30 chr EAM TLBWQJ BF6ABDZ4MFABRWJRA74DYGA3

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by Gwr, F5JBR, AB, JPL, JU

Strategic messages (CW)

Note that TUZR belongs to the Pip network.

kHz	Date	UTC	Details
5437	6-6	0935	XXX XXX WEGI WEGI 84016 SOLXFATARA 0020 6061 K
5437	6-6	0935	XXX XXX WEGI WEGI 84016 SOLXFATARA 0020 6061 K
5436	17-6	1037	XXX XXX WEGI WEGI 43858 KRINOFJL 6319 8365 K
5436	17-6	1126	XXX XXX WEGI WEGI 34564 MIKROAJON 5567 5735
12593	19-6	0900	XXX XXX C1OB C1OB 51971 WAKODYM 2917 1735 on 12593//13396//14108 kHz
12593	19-6	0900	XXX XXX C1OB C1OB 51971 WAKODYM 2917 1735 on 12593//13396//14108 kHz
5437	19-6	0903	XXX XXX C1OB C1OB 51971 GAKODYM 2917 1735 K
14552	19-6	0905	XXX XXX C1OB C1OB 32741 AFFEKTWNYJ 5552 5291
14552	19-6	0905	XXX XXX C1OB C1OB 32741 AFFEKTWNYJ 5552 5291
12593	19-6	0908	XXX XXX C1OB C1OB 00517 BORTNIK 6175 8512 PRYQOZOW 2128 3553 on 12593//13396//14108 kHz
12593	19-6	0908	XXX XXX C1OB C1OB 00517 BORTNIK 6175 8512 PRYQOZOW 2128 3553 on 12593//13396//14108 kHz
5416	19-6	0915	XXX XXX ONG4 ONG4 55803 MEDOWLET 1992 4874 K
14552	19-6	0929	WLHN WLHN 07546 UMOMETR 6448 2371 OeIHOSPID 2328 7894
14552	19-6	0929	WLHN WLHN 07546 UMOMETR 6448 2371 OeIHOSPID 2328 7894
5437	19-6	0930	XXX XXX WLHN WLHN 07546 UMOETR 6448 2371 ChiHOSPIG 2328 7894
5416	19-6	0939	XXX XXX ONG4 ONG4 65950 APISOFOND 7304 6332 K
12593	19-6	1005	XXX XXX C1OB C1OB 29980 TRILOBIT 9270 2151 on 12593//13396//14108 kHz
12593	19-6	1005	XXX XXX C1OB C1OB 29980 TRILOBIT 9270 2151 on 12593//13396//14108 kHz
12593	19-6	1050	XXX XXX H2TM H2TM 42344 ASPEKTNYJ 5313 3083 on 12593//13396//14108 kHz
12593	19-6	1050	XXX XXX H2TM H2TM 42344 ASPEKTNYJ 5313 3083 on 12593//13396//14108 kHz
12593	19-6	1055	XXX XXX H2TM H2TM 34918 WSTAWANXE 1191 9026 on 12593//13396//14108 kHz
12593	19-6	1055	XXX XXX H2TM H2TM 34918 WSTAWANXE 1191 9026 on 12593//13396//14108 kHz
5293	19-6	1058	XXX XXX H2TM H2TM 34918 WSTAWAN'E 1191 9026 K //5437 kHz
5437	19-6	1058	XXX XXX H2TM H2TM 34918 WSTAWAN'E 1191 9026 K //5293 kHz
12593	19-6	1058	XXX XXX 9U2W 9U2W 37331 IDOLODRAP 6152 6907 on 12593//13396//14108 kHz
12593	19-6	1058	XXX XXX 9U2W 9U2W 37331 IDOLODRAP 6152 6907 on 12593//13396//14108 kHz
5293	19-6	1059	XXX XXX 9U2W 9U2W 37331 IDOLODRAP 6152 6907 K //5437 kHz
5437	19-6	1059	XXX XXX 9U2W 9U2W 37331 IDOLODRAP 6152 6907 K //5293 kHz
12593	19-6	1110	XXX XXX H2TM H2TM 65031 WYSYPNOJ 8568 9136 BRITANKA 2518 3834 on 12593//13396//14108 kHz
12593	19-6	1110	XXX XXX H2TM H2TM 65031 WYSYPNOJ 8568 9136 BRITANKA 2518 3834 on 12593//13396//14108 kHz
12593	19-6	1113	XXX XXX H2TM H2TM 12668 GANGOHLUeP 6633 4159 on 12593//13396//14108 kHz
12593	19-6	1113	XXX XXX H2TM H2TM 12668 GANGOHLUeP 6633 4159 on 12593//13396//14108 kHz
5293	19-6	1115	XXX XXX H2TM H2TM 12668 GANGOHLyUP 6633 4159 K //5437 kHz
5437	19-6	1115	XXX XXX H2TM H2TM 12668 GANGOHLyUP 6633 4159 K //5293 kHz
12593	19-6	1130	XXX XXX C1OB C1OB 56725 GITOKOBE 4245 7370 on 12593//13396//14108 kHz
12593	19-6	1130	XXX XXX C1OB C1OB 56725 GITOKOBE 4245 7370 on 12593//13396//14108 kHz

5437 21-6 0908 XXX XXX TUZR TUZR 93464 084 =
 DDDDD XYuIKO RShYJZ MZLUS IRYHU MZLUS IRYHU MZLUS IRYHU YChMSSh
 YuFHWR JCISF NZBWL ZShchGDF ITUXS YaRZhLY XAShZP YCMTI GFKMSH
 OILPO TRXChP WShchOIJ YuIYaYYa PATTCh DYuEshYu PYJRW NAGYP ChOPFPzh
 EYuAZhC KCSchON TOAKSh ZhChLDH ChXMRA BKTJT HGyURW ShUShEM UNAEF
 CHShchCD PEAAC ChEGZCh YuOBKB ISLDC FOGBS UOKDM ZOChNX ChBRMJ IUPLT
 TFDMA SHIKMB WCKJO IJTOW BIYuJP NFZhUYu KASHWH IEMLO UKEYO EFMECh
 YTKAI XWGTN ChYuChC BGShCB ChYuWRF PJISK UMCNG HHFES HZhYGSch
 YYuHGyU LLYaSA ZhFNUP ShchShYuBI DMYaPK WGCDF ShShchYZhH KZhGLCh
 LMChYuF LOKUZh ZROHY WYCAG HIIGyU SHXBJ SLShYaYu GBFTYa ShYaLRC
 AYMUe KRJRK OUJXY FChChTSh DBPXP LWIMS TKOXP YYuERCh YuYuOBZh
 YYuCSHx UDRMSh ChBGEX ChYaHRI YuITXI WSGNL MAJEL OUCCW PECOS NKLNT
 DFZhRI WYaYaPE = K

5437 21-6 0918 XXX XXX TUZR TUZR 17907 ARABOROM 9879 6977 K

5437 21-6 0921 XXX XXX TUZR TUZR 07827 BRODOHREN 6153 0118 POWREZhDENIE 3791 6834 K

5437 21-6 0925 XXX XXX TUZR TUZR 89889 WWODOWTUZ 4209 2061 K

5416 21-6 1421 XXX XXX ONG4 ONG4 32120 NOZhIK 0336 9581 K

5416 21-6 1432 XXX XXX CSTShch CSTShch RGR79 RGR79 6262 5265 15924 ZUTOWOB 6182 5309 K

5416 21-6 1436 XXX XXX SPSchL SPSchL 32120 WZDUWAN'E 7467 0954 K

5416 21-6 1438 XXX XXX SPSchL SPSchL 53618 NOZhIK 0336 9581 K

5416 21-6 1440 XXX XXX SPSchL SPSchL 53618 IDIShOShLAG 0718 8805 K

5416 21-6 1442 XXX XXX SPSchL SPSchL 82196 NAREChIE 1604 7261 K

5416 21-6 1444 XXX XXX SPSchL SPSchL 96487 KOLYuShKA 2088 4803 K

5416 21-6 1446 XXX XXX SPSchL SPSchL 28011 IDIShOShLAG 0718 8805 K

5416 21-6 1449 XXX XXX SPSchL SPSchL 13465 LIChNYJ 3362 0101 K

5416 21-6 1451 XXX XXX SPSchL SPSchL 78657 ZAWUCh 8301 3765 K

5416 21-6 1453 XXX XXX SPSchL SPSchL 11314 IGLEChIMYJ 7133 2523 INTR'ER 2353 0143 K

5416 21-6 1456 XXX XXX SPSchL SPSchL 71406 ZODPIJ 3906 0157 K

5416 21-6 1502 XXX XXX 4UFN 4UFN ShchEMW ShchEMW 276P 276P P4I4 P4I4 JZh3W JZh3W 54162 KISELEK 9846 7518 K

5416 21-6 1505 XXX XXX SPSchL SPSchL 49271 MILOSTYN'KA 3856 1023 K

5416 21-6 1507 XXX XXX CSTShch CSTShch X2KU X2KU 48436 ZUDOLOB 6182 5309 K

5416 21-6 1509 XXX XXX SPSchL SPSchL 69827 KOTOGIK 1627 5003 K

5416 21-6 1511 XXX XXX SPSchL SPSchL 31927 LICENZIAT 4667 9366 K

16112 27-6 1125 u u u u XXX XXX KZJT KZJT
 33915 45328 133 =
 11111 44705 92222 91544 60448 04766 18682 48946 45997 26185
 17154 39368 46205 64155 58126 47700 16117 55555 52239 09132
 39411 57889 25767 05889 00413 19344 27026 = K

Monolith Stations

Notes from Gwraspe:

- June 14/17th: A lot of Pip/Wheel/Vega-33 logs from Friday 14th and 28 logs from the 17th Pip/Wheel/WEGI. Pip and Wheel gave many codewords today that are recycled from previous transmissions, also two very rare occurrences of Wheel sending message before Pip.
- June 18th: A huge morning for Squeaky Wheel today, messages for a selective callsign at the same time Pip was using a selective callsign (join exercise) as well as a brand new callsign in a 'dlya' message of Firna-85!
- June 19th: Again a VERY busy day for the Pip and Vega-33. No Squeaky Wheel today.
 June 21st: Note that on Wednesday, June 19th, when Pip and Vega-33 were super active, a lot of the Vega-33 messages used the same proceeding number groups as earlier Pip message. Clearly, Vega-33 is connected station from Southern District
 For example;
 GNVY 62662 MATYeR' 3841 3719 BOLOPRIZ 5432 1308 KRAYeVYeD 5117 6339 - Vega-33 25715 NYeBOL'ShOJ 5117 6339
 GNVY 37919 AVANTYuRIZM 2518 3834 - Vega-33 21826 NYeBOL'ShOJ 2518 3834
 Both Vega-33 using same codeword there oddly.
 GNVY 84252 KYeDROZAYaC 6758 5638 KYeRNOTRAL 5745 6142 DUHOPAL 2475 6428 KONOVID 5783 2846 - Vega-33 51099
 VSTAVKA 2475 6428

Freq	Date	UTC	Details
5448	5-6	0829	8S1Shch 24999 ZYeRNOVKA 8486 8248
5448	5-6	0848	8S1Shch 39566 BOBROMARSh 4435 4376
5448	5-6	0854	8S1Shch 26590 AISTOPIIT 4502 0707
5448	5-6	0916	42FT DMC3 8MUO 51831 02384 28705 99992 DYMOBUFF 4158 0385
5448	5-6	0932	8S1Shch 45786 LYuKOKAN 7701 5782
5448	5-6	0934	8S1Shch 16593 KRAMBOL 5393 4808
5448	5-6	0945	8S1Shch 88978 MARANIYe 3887 9093
5448	5-6	1028	61HZh ZBIL L7O5 V'Z' NLCYe LI27 V2MZ SB7Z 'O6P Y8VM
5448	6-6	0939	8S1Shch 78470 NATROTYL 3827 7395
5448	6-6	1104	8S1Shch 97470 VITRINA 3977 6036 ILOSPYeH 7602 2239
5448	12-6	1340	Pip marker
5448	14-6	0837	8S1Shch 81723 BARABANNYJ 0797 8461
5448	14-6	0845	8S1Shch 90330 IMBIRNYJ 6851 6689
5448	14-6	0851	8S1Shch 42719 47589 VKUSOMAI 6092 9432 ZhIDOGILIF 2236 6407
5448	14-6	0955	N1DU 53OB 78MV DYeAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM
5448	14-6	1148	V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ 27Shch' N1DU 53OB 78MV
5448	14-6	1512	8S1Shch 30056 VANILIN 5707 2583
5448	14-6	1512	8S1Shch 81714 DZhUTOShU 8063 7841
5448	14-6	1518	8S1Shch 56793 LIF 8462 4976 YeES 0562 0729
5448	17-6	0945	8S1Shch 56531 LYuKSOKYuRI 7214 5928
5448	17-6	0945	8S1Shch [missing] DYuKOKAN 2881 3474
5448	17-6	0951	8S1Shch 73560 DRIPIRIS 1234 5678 KRYuChKOV 8379 5843
5448	17-6	0955	8S1Shch 97796 ILOSPYeH 0119 4133
5448	17-6	1000	8S1Shch 24615 VANOTRUT 2186 6686
5448	17-6	1014	8S1Shch 98264 DOGOPOST 4148 3900 GNOYeRODNYJ 1156 2124
5448	17-6	1016	8S1Shch 90487 DURNOJ 7223 8340
5448	17-6	1022	8S1Shch 00693 KVADRATIK 3817 1856
5448	17-6	1024	8S1Shch 43537 LYeSISTYJ 5878 2061
5448	17-6	1029	8S1Shch 58184 MAFIYa 6008 8179
5448	17-6	1132	8S1Shch 40031 DYuMOBUFF 6915 8256
5448	17-6	1235	TUZR 5J7Shch DMC3 49FT C2ZA INNC ShchGJP TZLM FY5Ye F61N
5448	17-6	1558	8S1Shch 26245 KRAMBOL 8976 0518
5448	18-6	1009	8S1Shch 96999 BRYeHOSORT 8830 4073 VYPOLNYeN'Ye 3802 4665
5448	18-6	1020	GNVY 55776 BRYeGOSVOD 0465 4237
5448	18-6	1045	GNVY 12572 VGIBOKUM 4866 5452 BRAKOGUB 3003 4755
5448	18-6	1049	GNVY 20734 GURTOGIT 1774 3344 GRAFOPYL 1922 9898
5448	18-6	1100	GVNY 39486 DURASHLIVYJ 6106 3114
5448	18-6	1132	PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z'
5448	19-6	0915	8S1Shch 90682 KRYuChKOV 8379 5843 (same word and follow-up numbers as the 2 word message on 17-06, 0951 UTC)
5448	19-6	0922	8S1Shch 31754 NYeSGIBAYeMYJ 6148 9216 MORGOSHTOF 6072 1717
5448	19-6	0939	8S1Shch 89302 NORIYa 6563 2373
5448	19-6	0942	GNVY 51408 BLAGODARNYJ 1316 8498
5448	19-6	0944	49FT 33160 KOBYeLYeK 5549 6719
5448	19-6	0950	DMC3 95837 GROGOKADR 8258 0670
5448	19-6	0953	TUZR 14419 INOKOSKOL 4954 8536
5448	19-6	0954	8MUO 49263 AZHURNYJ 5909 1197
5448	19-6	1004	8S1Shch 81991 NAVODNYeN'Ye 4150 1737 GRANADA 6852 4641
5448	19-6	1005	8MUO 48461 BLIZKIJ 8773 8700
5448	19-6	1007	49FT 12260 NYeFOSPOJ 8773 5863
5448	19-6	1011	TUZR 68165 ZIYaN'Ye 4314 0617

Freq	Date	UTC	Details
5448	19-6	1017	8S1Shch 34808 GITOMGU 8346 5019 AGAROSHchIT 2899 1574 YeNOTOVZOR 9116 0356
5448	19-6	1019	8S1Shch 87020 NYeNASTOYaShchIJ 6043 2635
5448	19-6	1022	DMC3 32077 ADGYeZIONNYJ 8773 2873
5448	19-6	1026	8S1Shch 87020 ZhBANOKVAS 7943 1900
5448	19-6	1031	8S1Shch 94764 NRAVOVIST 0086 3959
5448	19-6	1040	8S1Shch 35388 BOGOBLIK 4674 8473
5448	19-6	1051	8S1Shch 94731 MIGOSH LIH 1357 1695 AZOTOMOT 1323 4981
5448	19-6	1109	8S1Shch 78122 NAVALIVAN'Ye 9414 0481 KOSH OBLIN 2470 3834
5448	19-6	1114	8S1Shch 92847 ZhUIROZhRYeC 7715 3855 OBOZOGIMN 0540 4824
5448	19-6	1122	TUZR 70610 KLYeShOLYuK 6152 6907
5448	19-6	1127	GNVY 62662 MATYeR' 3841 3719 BOLOPRIZ 5432 1308 KRAYeVYeD 5117 6339
5448	19-6	1134	GNVY 84252 KYeDROZAYaC 6758 5638 KYeRNOTRAL 5745 6142 DUHOPAL 2475 6428 KONOVOV 5783 2846
5448	19-6	1137	GNVY 37919 AVANTYURIZM 2518 3834
5448	19-6	1140	8S1Shch 88521 BRYeZhNYeVSKIJ 8541 1216
5448	21-6	0907	8S1Shch 64914 LYeDOSHIP 2964 9427
5448	21-6	0918	8S1Shch 32641 NAVOZNIK 7514 6486

Recordings

<http://priyom.org/media/220231/s30-5448usb-20190605-0829z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/220237/s30-5448usb-20190605-0848z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/220243/s30-5448usb-20190605-0854z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/220254/s30-5448usb-20190605-0916z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/220260/s30-5448usb-20190605-0923z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/220266/s30-5448usb-20190605-0934z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/220272/s30-5448usb-20190605-0945z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/220278/s30-5448usb-20190605-1028z-dlya-bygwrasp.e.ogg>
<http://priyom.org/media/221630/s30-5448usb-20190619-0915z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221636/s30-5448usb-20190619-0922z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221642/s30-5448usb-20190619-0939z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221645/s30-5448usb-20190619-0942z-msg-gnv-y-bygwrasp.e.ogg>
<http://priyom.org/media/221648/s30-5448usb-20190619-0944z-msg-49ft-bygwrasp.e.ogg>
<http://priyom.org/media/221651/s30-5448usb-20190619-0950z-msg-dmc3-bygwrasp.e.ogg>
<http://priyom.org/media/221654/s30-5448usb-20190619-0953z-msg-tuzr-bygwrasp.e.ogg>
<http://priyom.org/media/221657/s30-5448usb-20190619-0954z-msg-8muo-bygwrasp.e.ogg>
<http://priyom.org/media/221660/s30-5448usb-20190619-1004z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221663/s30-5448usb-20190619-1005z-msg-8muo-bygwrasp.e.ogg>
<http://priyom.org/media/221669/s30-5448usb-20190619-1007z-msg-49ft-bygwrasp.e.ogg>
<http://priyom.org/media/221672/s30-5448usb-20190619-1011z-msg-tuzr-bygwrasp.e.ogg>
<http://priyom.org/media/221681/s30-5448usb-20190619-1017z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221687/s30-5448usb-20190619-1019z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221690/s30-5448usb-20190619-1022z-msg-dmc3-bygwrasp.e.ogg>
<http://priyom.org/media/221693/s30-5448usb-20190619-1026z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221702/s30-5448usb-20190619-1031z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221708/s30-5448usb-20190619-1040z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221708/s30-5448usb-20190619-1051z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221717/s30-5448usb-20190619-1109z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221720/s30-5448usb-20190619-1114z-msg-bygwrasp.e.ogg>
<http://priyom.org/media/221723/s30-5448usb-20190619-1122z-msg-tuzr-bygwrasp.e.ogg>
<http://priyom.org/media/221726/s30-5448usb-20190619-1127z-msg-gnv-y-bygwrasp.e.ogg>
<http://priyom.org/media/221729/s30-5448usb-20190619-1134z-msg-gnv-y-bygwrasp.e.ogg>
<http://priyom.org/media/221738/s30-5448usb-20190619-1137z-msg-gnv-y-bygwrasp.e.ogg>
<http://priyom.org/media/221747/s30-5448usb-20190619-1140z-msg-bygwrasp.e.ogg>

S32 Squeaky Wheel

Freq	Date	UTC	Details
5473	5-6	0814	Al'fa-45 33670 KADROZhID 8953 8198
5473	5-6	0835	Al'fa-45 45980 ODUTLOVATYJ 1407 8384
5473	5-6	0853	Al'fa-45 85117 IROROSS 6124 1355
5473	5-6	0900	Al'fa-45 56399 LAZOTATA 5821 2500
5473	5-6	0922	Al'fa-45 83839 GNYeVOSTAN 5610 4656
5473	5-6	0929	Al'fa-45 22891 MYeRTVYeCKIJ 6004 1156
5473	5-6	0939	Al'fa-45 11721 LAPChATKA 5664 2682
5473	5-6	0950	Al'fa-45 28017 MORGOKORD 8772 6234
5473	6-6	0945	Al'fa-45 47706 NYeSTOYaShchIJ 7212 4058
5473	6-6	1110	Al'fa-45 44642 MAVRODYeN' 1038 3742
5473	6-6	1218	Stazher-29 Zaslonka-27 Pesochnyj-21 Sliva-94 Fontan-34 Fakyel-36 Kovboj-39 Kurgan-40
5473	12-6	1340	Squeaky Wheel marker
5473	14-6	0844	Al'fa-45 37461 ZUBOSKAL 3375 8503
5473	14-6	0850	Al'fa-45 84617 AKTUARIJ 5100 2577
5473	14-6	1021	Al'fa-45 13339 KOZYR' 1440 3219
5473	14-6	1519	Al'fa-45 59294 JODOBIMS 9334 2071 MOROShKA 5775 7151
5473	17-6	0949	Al'fa-45 97642 LYeVYJ 2362 2556
5473	17-6	0954	Al'fa-45 18054 GARDINA 7578 5788
5473	17-6	0956	Al'fa-45 84130 KNUTOVISHchYe 0787 6547
5473	17-6	1001	Al'fa-45 08880 DRUGOMIF 1200 3210
5473	17-6	1015	Al'fa-45 21967 KARPOTYuK 1456 0147
5473	17-6	1017	Al'fa-45 91800 DRUGOZOB 9874 2545
5473	17-6	1022	Al'fa-45 67498 OVACIYa 2552 3212 given before pip
5473	17-6	1024	Al'fa-45 81168 INDIJ 1478 9874 given before pip
5473	17-6	1031	Al'fa-45 33325 GRIBOChAD 3015 7887
5473	17-6	1054	Al'fa-45 [missing] KRYPIL'ShchIK 3328 4684
5473	17-6	1137	Al'fa-45 36266 AFONIYa 3556 5465
5473	17-6	1257	Al'fa-45 51308 KARTOShKA 6465 4865
5473	17-6	1604	Al'fa-45 64629 KISYeLYeK 1331 2545
5473	18-6	0956	Al'fa-45 87468 DZhUTOKRYaShch 9492 1325
5473	18-6	0959	Al'fa-45 13336 MYeTYeORIKa 9669 9555
5473	18-6	1002	Al'fa-45 06004 NYeDOLGIJ 6013 3013
5473	18-6	1016	Al'fa-45 87678 VITYeYeVATYJ 5451 3837
5473	18-6	1020	G8BS 97411 NOZhOBER 5720 1059
5473	18-6	1024	Al'fa-45 79481 MODYeRN 4071 5974
5473	18-6	1032	G8BS 84358 GYeSTYeNYeVO 2225 5768
5473	18-6	1042	G8BS 58427 MOChYeNIYe 5277 2592
5473	18-6	1044	G8BS 55050 KYeBOSLOT 0462 4523
5473	18-6	1046	G8BS 59047 BROVNYJ 2815 0891
5473	18-6	1103	G8BS 06319 VTUZ 5008 0275 LOROHRYuK 1452 0214
5473	18-6	1107	G8BS 67569 ZhUIROBOKS 1089 6090 DOYaROShTOF 7101 5494
5473	18-6	1111	G8BS 21271 GVARDIYa 1357 8364
5473	18-6	1202	Penza-07 Yahta-94 Firna-85 Stupa-32 Dzhigit-46 Landysh-74 Storozh-62 Nevka-26
5473	21-6	0913	Al'fa-45 84472 BYeZRABOTNYJ 1200 4412
5473	21-6	0922	Al'fa-45 85558 VKUSOHLAM 3516 1844

Recordings

<http://priyom.org/media/220234/s32-5473usb-20190605-0835z-msg-bygwraspe.ogg>
<http://priyom.org/media/220224/s32-5473usb-20190605-0814z-msg-bygwraspe.ogg>
<http://priyom.org/media/220240/s32-5473usb-20190605-0853z-msg-bygwraspe.ogg>
<http://priyom.org/media/220249/s32-5473usb-20190605-1000z-msg-bygwraspe.ogg>
<http://priyom.org/media/220257/s32-5473usb-20190605-0922z-msg-bygwraspe.ogg>

<http://priyom.org/media/220269/s32-5473usb-20190605-0839zz-msg-bygwraspe.ogg>
<http://priyom.org/media/220275/s32-5473usb-20190605-0950z-msg-bygwraspe.ogg>
<http://priyom.org/media/220263/s32-5473usb-20190605-0929z-msg-bygwraspe.ogg>
<http://priyom.org/media/220352/s32-5473usb-20190606-1218z-dlya-bygwraspe.ogg>

Vega-33

Freq	Date	UTC	Details
5372	6-6	1111	Vega-33 89499 ODYeROKLICH 7311 2614
5372	14-6	0840	Vega-33 02164 KONIK 6963 2078
5372	14-6	0848	Vega-33 09259 BORZOISYeC 4429 2509
5372	19-6	0917	Vega-33 05712 MAYaKONYeUD 3667 2161
5372	19-6	0934	Vega-33 98767 NOZhOBER 7574 5733
5372	19-6	1006	Vega-33 70688 BOKOZhGUT 6870 6853
5372	19-6	1014	Vega-33 96523 BYeSTYeNYeVOJ 4687 8012
5372	19-6	1015	Vega-33 21189 LYeChYeBNICA 0426 6302
5372	19-6	1018	Vega-33 16457 AKTUARIJ 6718 8666
5372	19-6	1028	Vega-33 55333 LYuFTOZMYeJ 8399 6298
5372	19-6	1031	Vega-33 98173 LEPOSKID 5442 5327
5372	19-6	1035	Vega-33 01612 DZhUTOKRYaZh 0497 3058
5372	19-6	1049	Vega-33 45114 IZIBIRATYeL' 2400 3409
5372	19-6	1101	Vega-33 63733 NAPRYaZhYeNRIYe 1501 2177
5372	19-6	1135	Vega-33 49772 GLOBOIT 9413 6601 BOKOKRIT 8028 7051
5372	19-6	1139	Vega-33 12649 ZYeTOFISK 2790 0163
5372	19-6	1144	Vega-33 25715 NYeBOL'ShOJ 5117 6339
5372	19-6	1148	Vega-33 51099 VSTAVKA 2475 6428
5372	19-6	1151	Vega-33 21826 NYeBOL'ShOJ 2518 3834
5372	19-6	1153	Vega-33 53550 KLOPOVYeST 4288 9170

Recordings

<http://priyom.org/media/220345/vega33-5372usb-20190606-1111z-msg-bygwraspe.ogg>
<http://priyom.org/media/221633/vega33-5372usb-20190619-0917z-msg-bygwraspe.ogg>
<http://priyom.org/media/221639/vega33-5372usb-20190619-0934z-msg-bygwraspe.ogg>
<http://priyom.org/media/221666/vega33-5372usb-20190619-1006z-msg-bygwraspe.ogg>
<http://priyom.org/media/221675/vega33-5372usb-20190619-1014z-msg-bygwraspe.ogg>
<http://priyom.org/media/221678/vega33-5372usb-20190619-1015z-msg-bygwraspe.ogg>
<http://priyom.org/media/221684/vega33-5372usb-20190619-1018z-msg-bygwraspe.ogg>
<http://priyom.org/media/221696/vega33-5372usb-20190619-1028z-msg-bygwraspe.ogg>
<http://priyom.org/media/221699/vega33-5372usb-20190619-1031z-msg-bygwraspe.ogg>
<http://priyom.org/media/221705/vega33-5372usb-20190619-1035z-msg-bygwraspe.ogg>
<http://priyom.org/media/221711/vega33-5372usb-20190619-1049z-msg-bygwraspe.ogg>
<http://priyom.org/media/221714/vega33-5372usb-20190619-1101z-msg-bygwraspe.ogg>
<http://priyom.org/media/221732/vega33-5372usb-20190619-1135z-msg-bygwraspe.ogg>
<http://priyom.org/media/221750/vega33-5372usb-20190619-1144z-msg-bygwraspe.ogg>
<http://priyom.org/media/221744/vega33-5372usb-20190619-1148z-msg-bygwraspe.ogg>
<http://priyom.org/media/221753/vega33-5372usb-20190619-1151z-msg-bygwraspe.ogg>
<http://priyom.org/media/221756/vega33-5372usb-20190619-1153z-msg-bygwraspe.ogg>

Channel markers

3240 kHz, 12-6, 1340 UTC D marker
 4070 kHz, 12-6, 1340 UTC Air Horn marker
 4182 kHz, 12-6, 1340 UTC Dash marker
 4310 kHz, 12-6, 1340 UTC Goose marker
 4770 kHz, 12-6, 1340 UTC Alarm marker
 4770 kHz, 20-6, 0918 UTC Alarm marker

Alarm recording: <http://www.numbersoddities.nl/Alarm-2019-06-20-0917utc-4770khz.mp3>

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

RNv – Russian Navy

4766 kHz, 21-06, 1721 UTC CHINARA: Russian Navy Pacific Fleet HQ, Strelok clg SERVANT
4766 kHz, 21-06, 1725 UTC GREYDER: Russian Navy Pacific Fleet HQ, Vladivostok clg TAMBOR
4766 kHz, 22-06, 1506 UTC GREYDER: Russian Navy Pacific Fleet HQ, Vladivostok clg CAMPANIL FLYTA CEYLIANAH
4766 kHz, 23-06, 1214 UTC GREYDER: Russian Navy Pacific Fleet HQ, Vladivostok clg various ships and ground stations

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

5882 kHz, 15-06, 0903 UTC. Russian Pacific Fleet. RLO51 wkg RJD93

431 15 15 1200 431 =

FM RLO51 FOR RJH45 / RJH48 / RJZ4 =

15091 99544 11408 41698 63404 10070 40106 54000 70266 22200 15010 =

AR RLO51

7817 kHz, 17-06, 0515 UTC. Russian Pacific Fleet HQ, Strelok. RJD97 wkg RAS95 (Collective callsign)

QTC 192 25 17 0815 192 =

AAAAA LUPIK SEDAN LARGO FINIP OTDEL MEKVA UBYTA POSEF SULIK

NAMET STENA SKUVA FITIK RUBKA GRISA ULESA NAPOR ZANOS GILXT

MAPAS USTON GRIFA PUDIK AVK BK AR

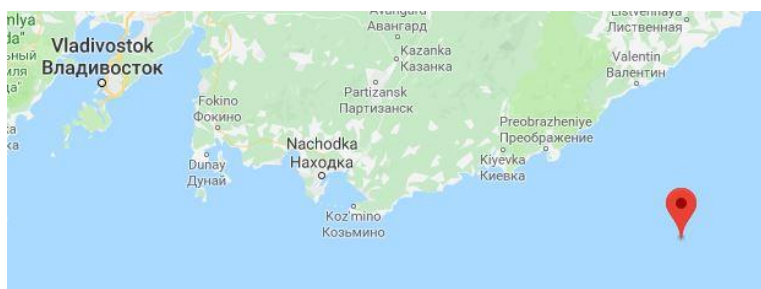
5882.2 kHz, 20-06, 0610 UTC. Russian Pacific Fleet.

RAG57 wkg RJD93

QSO and QTC SML FM RAG57 FOR RJH45 RJH48 20031

99426 11345

Position: <https://goo.gl/maps/xzWbqYGJKTdwwmYm6>



5054 kHz, 20-06, 1205 UTC. Russian Pacific Fleet.

RGL80 wkg RCC

QTC SML FM RGL80 FOR RJH45 RJH48 = 20121 99474

11393

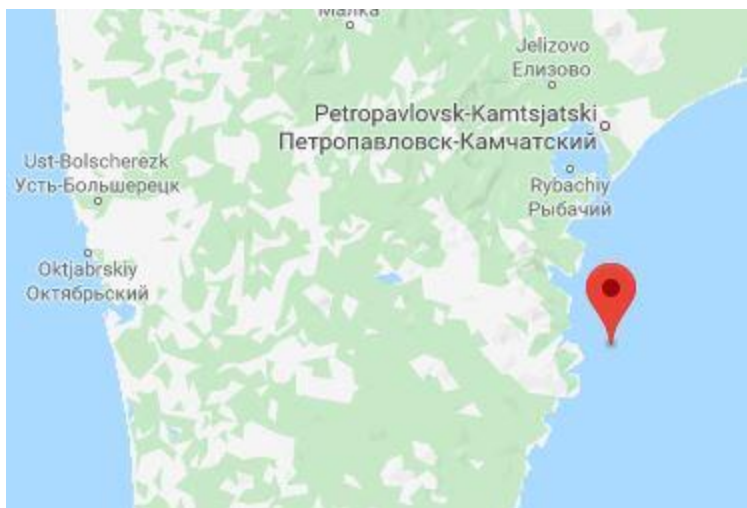
Position: <https://goo.gl/maps/kSyixGcbC3qbjBFZ7>



5054 kHz, 20-06, 1215 UTC. Russian Pacific Fleet. RJI54 wkg RCC

QTC SML 523 15 20 1505 523 =
FM RJI54 FOR RJH45 RJH48 =
20121 99524 11587 41/92 /1816 10080 40146 56020
74114 8//// 22242 00050 =
AR RJI54 K

Position: <https://goo.gl/maps/Jyta8TvAVTuDMQmHA>



5054 kHz, 20-06, 1210 UTC. Russian Pacific Fleet. RCQD wkg RCC

QTC SML 949 15 20 1500 949 =
FM RCQD FOR RJH45 RJH48 RJE60 =
20121 99524 11587 41/92 91615 10080 40140 54000 74341 22242 00060 =
AR DCQD K

5054 kHz, 20-06, 1815 UTC. Russian Pacific Fleet. RJI54 wkg RCC

QTC SML 667 15 20 2100 667 =
FM RJI54 FOR RJH45 RJH48 =
20181 99520 11583 41596 21806 10060 40173 52077 80112 82110
22280 00050 =
AR RJI54 K

5054 kHz, 20-06, 1818 UTC. Russian Pacific Fleet. RAG57 wkg RCC

QTC SML 817 14 20 2111 817 =
FM RAG57 FOR RJH45 RJH48 =
20181 99426 11336 41496 98003 10140 40050 54000 70222 89/// 22200 =
AR RAG57

5054 kHz, 20-06, 1821 UTC. Russian Pacific Fleet. RGL80 wkg RCC

QTC SML 174 15 20 2102 174 =
FM RGL80 FOR RJH45 RJH48 =
20181 99447 11381 41/97 90508 10113 40070 57015 75052 22252 00112 2//// =
AR RGL80 K

5882 kHz, 21-06, 0557 UTC. RAI44 wkg RJD93

QTC SML RAI44 185 10 21 0900 184 =
FM RAI44 FOR RJH45 RJH48 RJZ4 =
21060 99502 11409 44/98 40103 40066 54000 70000
22282 21009 =
AR RAI44 K

Location: <https://goo.gl/maps/TfYsTn7YPCPJUZnh9>



5882 kHz, 21-06, 0602 UTC. RLO51 wkg RJD93

QTC SML 322 15 21 0900 322 =
FM RLO51 FOR RJH45/RJH48/RJZ4 =
21061 99463 11429 41/98 31404 10140 40093 54000
70021 22233 21010 =
AR RLO51 K

Location: <https://goo.gl/maps/7jNMjPrccSWakP9x7>



5882 kHz, 21-06, 0609 UTC. RAG57 wkg RJD93

QTC SML 223 14 21 0900 223 =
FM RAG57 FOR RJH45 RJH48 =
21061 99426 11336 41498 50907 10160 40040 54000
70222 85426 22200 =
AR RAG57 K

Location: <https://goo.gl/maps/uAdp3Qs5zHF9gunh6>



5054 kHz, 21-06, 1802 UTC. RCQD wkg RCC

QTC SML 741 15 21 2100 741 =
FM RCQD FOR RJE60 RJH45 RJH48 =
21181 99521 11583 41/92 90000 20000 40160 57013 74342 22200 00060 =
AR DCQD K

Position: <https://goo.gl/maps/aDJpnfrYxGQkzUGJ6>

5054 kHz, 21-06, 1805 UTC. RMRA wkg RCC

QTC SML 846 14 21 2100 846 =
FM RMRA FOR RJH45 RJH48 RJE60 =
21181 99504 11567 43/92 92504 10101 41020 51001 70222 8//// =
AR RMRA KL

Position: <https://goo.gl/maps/Ava2gheVzqD5CqJC7>

5054 kHz, 21-06, 1808 UTC. RJI54 wkg RCC

QTC SML 314 15 21 2101 314 =
FM RJI54 FOR RJH45 RJH48 =
21181 99520 11583 41/92 0000 10070 40173 54000 74545 8//// 22200 00050 =
AR RJI54 K

Position: <https://goo.gl/maps/FiwvLwYhNVXxbL4j6>

5054 kHz, 21-06, 1811 UTC. RLP69 wkg RCC

QTC SML 347 17 21 1800 347 =

FM RLP69 FOR RJH45 RJH48 RJE60 =

21151 99509 11592 45596 82

Position: <https://goo.gl/maps/ekB45Vhb9nRuAWUQ7>

7348 kHz, 22-06, 0607 UTC. RMRA wkg RCC. QSX on 5788 kHz

QTC SML 713 15 22 0900 713 =

FM RMRA FOR RJH45 RJH48 RJE60 =

22061 99499 11539 43/97 93207 10111 41021 51000 70222 8//// =

AR RMRA K

Position: <https://goo.gl/maps/HSDYK5wQ4kTQTpM88>

5054 kHz, 22-06, 1202 UTC. RJI54 wkg RCC

QTC SM 129 15 22 1500 129 =

FM RJI54 FOR RJH45 RJH48 =

22121 99505 11569 41/93 /2708 10070 40173 52014 74304 8//// 22252 00050 =

AR RJI54

Position: <https://goo.gl/maps/duvkgB6R1A3Tye9x9>

5054 kHz, 21-06, 1206 UTC. RMRA wkg RCC

QTC SML 179 14 22 1202 179 =

FM RMRA FOR RJH45 RJH48 RJE60 =

22121 99494 11525 43/95 93607 10071 41022 51001 70222 8//// =

AR RMRA

Position: <https://goo.gl/maps/iDg1PJ8K9LqAunqm8>

5054 kHz, 22-06, 1755 UTC. RJP42 wkg RCC. QSX on 4366 kHz

QTC SML : 789 14 22 2055 789 =

FM RJP42 FOR RJH45 RJH48 =

22181 99457 11438 41/98 93206 10090 40140 54000 72166 8//// 22232 =

AR RJP42 K

Position: <https://goo.gl/maps/CXU6re6p63h9136EA>

5054 kHz, 22-06, 1802 UTC. RMRA wkg RCC. QSX on 4366 kHz

QTC SML 986 14 22 2100 986 =

FM RMRA FOR RJH45 RJH48 RJE60 =

22181 99490 11513 43/92 92307 10061 41020 52001 70202 8//// =

AR RMRA K

Position: <https://goo.gl/maps/RKmbmZnzNStLvcHW9>

5054 kHz, 22-06, 1805 UTC. RJI54 wkg RCC. QSX on 4366 kHz

QTC SML 918 16 22 2100 918 =

FM RJI54 FOR RJH45 RJH48 RJE60 =

22181 99495 11560 41/97 /2007 10070 40163 54000 70200 8//// 22252 00050 =

AR RJI54 K

Position: <https://goo.gl/maps/AUDxdMtaRgLheerR7>

8167 kHz, 23-06, 0601 UTC. RJP42 wkg RJS

QTC SML 194 14 23 0900 194 =

FM RJP42 FOR RJH45 RJH48 =

23061 99450 11462 41498 61407 10170 40130 54000 70111 8//// 22232 =

AR RJP42 K

Position: <https://goo.gl/maps/vnm27AsLByrfoBJu6>

7348 kHz, 23-06, 0602 UTC. RMRA wkg RCC. QSX on 5788 kHz

QTC SML

FM RMRA FOR RJH45 RJH48 RJE60 =

23061 99480 11488 43/92 91806 10101 41018 56002 70222 8//// =

AR RMRA K

Position: <https://goo.gl/maps/N7ekz5efWHcyzYR7>

5882 kHz, 23-06, 0610 UTC. RLO51 wkg RJD93

QTC SML 265 14 23 0900 264 =

FM RLO51 FOR RJH45/RJH48/RJZ4 =

23061 99449 11407 41/96 01409

Position: <https://goo.gl/maps/xzv53WEjZcBapoJNA>

5054 kHz, 23-06, 1205 UTC. RCQD wkg RCC. QSX on 4366 kHz

QTC SML 241 15 23 2500 241 =

FM RCQD FOR RJE60 RJH45 RJH48 =

23121 99480 11531 41/92 90706 10090 40170 56000 74341 22252 00050 =

AR RCQD K

Position: <https://goo.gl/maps/kinLj9XNqezn8jH8A>

5054 kHz, 23-06, 1207 UTC. RJI54 wkg RCC. QSX on 4366 kHz

QTC SML 796 15 23 1501 796 =

FM RJI54 FOR RJE60 RJH45 RJH48 =

23121 99480 11531 41/95 0906 10070 40199 52013 74344 8/// 22232 00050 =

AR RJI54 K

Position: <https://goo.gl/maps/kinLj9XNqezn8jH8A>

3876 kHz, 28-06, 1757 UTC, i.p.

AR DE RHI86 K

RJQ.. 72 9 RPT I.. 33 K

RHI86 RPT 16803 76290 K

RJE70 .. 29 K (Both stations on this frequency)

RHI86 OK QRU K

RJD52 DE RHI86 QSA ? QTC K

QSA 1 K

RHI86 142 17 28 2101 142 =

FM RHI86 FOR RJD52 RJD88 RIW =

28181 99430 10473 41/97 61408 .026. 4//// 5//// 2220.

1//// 2//// 5//// 28012 = DE RHI86 K (1

RJD52 R 142 K

RHI86 OK QRU K

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

8816 kHz, 05-06, 0612 UTC

RJC38 RJF94 DE 54585 QTO 0603 QRD XMWB XUMU QBD 0800 QRE 0933 K

QTH 15851 13214 QTR 0705 QBG 7900 K

QTH 15940 12358 QTR 0800 QBD 0545 K

QTH 15609 11955 QTR 0854 QBG 7900 QRE XMWB 0925 K

QQM XMWB 0920 SK

8816 kHz, 05-06, 0734 UTC

RJF94 RJC38 DE 10563 QTO 0723 QRD XLAA XLMD QRE 0850 QBD 0530 K

QTH 16529 13847 QTR 0823 QBG 6300 K

QQM XLAA 0842 SK

8816 kHz, 05-06, 1009 UTC

RJF94 RJC38 DE 10563 QTO 1001 QRD XUMO XLAA QRE 1220 QBD 0700 K
QTH 15949 13812 QTR 1109 QBG 6700 K
QQM XUMO 1205 SK

8816 kHz, 05-06, 1342 UTC

RJF94 RJC38 DE 10563 QTO 1333 QRD XRKE XUMO QRE 1600 QBD 0630 K
QTH 15124 14019 QTR 1435 QBG 7000 K
QAY URRR 1532 QBK 6000 K
QQM XRKE 1601 SK

8816 kHz, 06-06, 1458 UTC

RJC38 RJF94 DE 54585 QTO 1450 QRD XUMU XMWB QBD 0800 QRE 1800 K
QTH 15930 12257 QTR 1555 QBG 7600 K
QTH 15858 13300 QTR 1658 QBD 0545 QRE XUMU 1755 K
QQM XUMU 1758 SK

8816 kHz, 06-06, 2111 UTC

RJC38 RJF94 DE 54585 QTO 2000 QRD XLMD XUMU QBD 0730 QRE 2315 K
QQI ULWC 2047 QBG 7300 K
QAY XLPB 2115 QBD 0545 K
QQM XLMD 2300 SK

LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	4597	1-6	0949	Sat	North Korean military: VVV B4U (x3) DE .7P QRU 5540 546. K	CW	(JPL-Sib)
---	5639	4-6	1815	Tue	Chinese station repeating phrases twice. Similar to VC01	USB	(BW3-KOR)
---	3240	12-6	1340	Wed	D marker	USB	(AB-RUS)
---	4070	12-6	1340	Wed	Air Horn marker	USB	(AB-RUS)
---	4182	12-6	1340	Wed	Dash marker	USB	(AB-RUS)
---	4310	12-6	1340	Wed	Goose marker	USB	(AB-RUS)
---	4770	12-6	1340	Wed	Alarm marker	USB	(AB-RUS)
---	5596	16-6	0601	Sun	North Korean Military: FSG wkg FWP 7HP	CW	(F5JBR-J)
---	4770	20-6	0918	Thu	Alarm marker	USB	(AB-RUS)
---	4626	21-6	1710	Fri	North Korean Military i.p. VVV 6TX de 1AR QRU 4501 4501 SK SK	CW	(F5JBR-J)
---	5596	22-6	0559	Sat	North Korean Military i.p. FSG wkg FWP, 7HP, MJ6	CW	(F5JBR-J)
DPRK	12102	21-6	1231	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13376	22-6	0803	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	14712	26-6	0820	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16122	26-6	1351	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16119	26-6	1356	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13875	27-6	1359	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	5731	6-6	2130	Thu	315 ...	USB	(AB)
E06	5731	7-6	2130	Fri	315 972 46 15464	USB	(HFD)
E06	12212	20-6	0300	Thu	361 708 39 37040 //14932 kHz	USB	(HFD-CHN)
E06	14932	20-6	0300	Thu	361 708 39 37040 //12212 kHz	USB	(HFD-CHN)
E06	12212	20-6	0400	Thu	361 ...	USB	(HFD-CHN)
E06	13985	20-6	0500	Thu	328 694 51 49342 45929 55658 ... 64675 32472 14711 694 51 00000	USB	(AB)
E06	15830	20-6	0600	Thu	328 694 51 49342 45929 55658 ... 64675 32472 14711 694 51 00000	USB	(AB)
E06	5935	20-6	2030	Thu	724 947 42 58375 38195 96930 ... 57693 48690 03856 947 42 00000	USB	(AB)
E06	13985	21-6	0500	Fri	328 694 51 49342 45929 55658 ... 64675 32472 14711 694 51 00000	USB	(AB)
E06	15830	21-6	0600	Fri	328 694 51 49342 45929 55658 ... 64675 32472 14711 694 51 00000	USB	(AB)
E06	5731	21-6	2130	Fri	315 947 42 58375 38195 96930 ... 57693 48690 03856 947 42 00000	USB	(AB)
E07	9064	2-6	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	2-6	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	2-6	1300	Sun	024 024 024 000	USB	(MPJ)
E07	10264	2-6	1320	Sun	024 024 024 000	USB	(MPJ)
E07	13368	2-6	1700	Sun	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB)
E07	11568	2-6	1720	Sun	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB)
E07	10468	2-6	1740	Sun	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB)

E07	16328	3-6	1900	Mon	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/RL/MPJ)
E07	14828	3-6	1920	Mon	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/RL/HFD/MPJ)
E07	13428	3-6	1940	Mon	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/RL/HFD)
E07	16331	4-6	0700	Tue	373 1 178 58 66316	USB	(HFD)
E07	18731	4-6	0720	Tue	373 1	USB	(HFD)
E07	19331	4-6	0740	Tue	373 1	USB	(HFD)
E07	18637	4-6	1100	Tue	648 1 238 48 28444 80563 91733 ... 30503 24270 59288 000 000	USB	(MPJ/HFD)
E07	17437	4-6	1120	Tue	648 1 238 48 28444 80563 91733 ... 30503 24270 59288 000 000	USB	(MPJ/HFD)
E07	15837	4-6	1140	Tue	648 1 238 48 28444 80563 91733 ... 30503 24270 59288 000 000	USB	(MPJ/HFD)
E07	16328	5-6	1700	Wed	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB)
E07	14828	5-6	1720	Wed	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB)
E07	13428	5-6	1740	Wed	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB)
E07	16328	5-6	1900	Wed	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB)
E07	14828	5-6	1920	Wed	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(RL)
E07	13428	5-6	1940	Wed	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(RL)
E07	9064	6-6	1300	Thu	024 024 024 000	USB	(MPJ)
E07	10264	6-6	1320	Thu	024 024 024 000	USB	(MPJ)
E07	13417	6-6	1410	Thu	603 5559 86 (?) 12..4 72... 9022. ... 15326 61618 ... 000 000	USB	(MPJ)
E07	18637	7-6	1100	Fri	648 1 238 48 28444 80563 91733 ... 36503 24270 59288 000 000	USB	(MPJ)
E07	17437	7-6	1120	Fri	648 1 238 48 28444 80563 91733 ... 36503 24270 59288 000 000	USB	(MPJ)
E07	15837	7-6	1140	Fri	648 1 238 48 28444 80563 91733 ... 36503 24270 59288 000 000	USB	(MPJ)
E07	13417	8-6	1410	Sat	603 1 5559 86 12354 27613 90220 ... 15326 28558 61698 000 000	USB	(MPJ)
E07	14717	8-6	1430	Sat	603 1 5559 86 12354 27613 90220 ... 15326 28558 61698 000 000	USB	(MPJ)
E07	15817	8-6	1450	Sat	603 1 5559 86 12354 27613 90220 ... 15326 28558 61698 000 000	USB	(MPJ)
E07	9064	9-6	1300	Sun	024 1 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(MPJ)
E07	10264	9-6	1320	Sun	024 1 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(MPJ)
E07	11464	9-6	1340	Sun	024 1 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(MPJ)
E07	13368	9-6	1700	Sun	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB/MPJ/HFD)
E07	11568	9-6	1720	Sun	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB/MPJ/HFD)
E07	10468	9-6	1740	Sun	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB/MPJ/HFD)
E07	16328	10-6	1900	Mon	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/MPJ/RL)
E07	14828	10-6	1920	Mon	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/MPJ/RL)
E07	13428	10-6	1940	Mon	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/MPJ/RL)
E07	18637	11-6	1100	Tue	648 648 648 00000	USB	(MPJ)
E07	17437	11-6	1120	Tue	648 648 648 00000	USB	(MPJ)
E07	13368	12-6	1700	Wed	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB/MPJ)
E07	11568	12-6	1720	Wed	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB/MPJ)
E07	10468	12-6	1740	Wed	354 354 354 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB/MPJ)
E07	16328	12-6	1900	Wed	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/MPJ/RL)

E07	14828	12-6	1920	Wed	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/MPJ/RL)
E07	13428	12-6	1940	Wed	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/RL)
E07	9064	13-6	1300	Thu	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB/MPJ)
E07	10264	13-6	1320	Thu	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB/MPJ)
E07	11464	13-6	1340	Thu	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB/MPJ)
E07	13417	13-6	1410	Thu	603 603 603 000	USB	(AB/MPJ)
E07	14717	13-6	1430	Thu	603 603 603 000	USB	(AB/MPJ)
E07	16331	14-6	0700	Fri	373 373 373 000	USB	(AB)
E07	18731	14-6	0720	Fri	373 373 373 000	USB	(AB)
E07	18637	14-6	1100	Fri	648 648 648 000	USB	(AB/MPJ)
E07	17437	14-6	1120	Fri	648 648 648 000	USB	(AB/MPJ)
E07	9064	15-6	0600	Sat	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB)
E07	10264	15-6	0620	Sat	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB)
E07	11464	15-6	0640	Sat	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB)
E07	13417	15-6	1410	Sat	603 603 603 000	USB	(AB/MPJ)
E07	14717	15-6	1430	Sat	603 603 603 000	USB	(AB/MPJ)
E07	9064	16-6	0600	Sun	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB)
E07	10264	16-6	0620	Sun	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB)
E07	11464	16-6	0640	Sun	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB)
E07	9064	16-6	1300	Sun	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB/MPJ)
E07	10264	16-6	1320	Sun	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB/MPJ)
E07	11464	16-6	1340	Sun	024 024 024 1 131 19 131 19 47672 87025 54000 ... 76737 86218 06116 000 000	USB	(AB/MPJ)
E07	13368	16-6	1700	Sun	354 354 354 000	USB	(AB/MPJ)
E07	11568	16-6	1720	Sun	354 354 354 000	USB	(AB/MPJ)
E07	16328	17-6	1900	Mon	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/MPJ/RL)
E07	14828	17-6	1920	Mon	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/MPJ/RL)
E07	13428	17-6	1940	Mon	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/RL)
E07	18637	18-6	1100	Tue	648 648 648 1 277 102 277 102 23451 41947 24373 ... 03758 03117 87504 000 000	USB	(AB/MPJ)
E07	17437	18-6	1120	Tue	648 648 648 1 277 102 277 102 23451 41947 24373 ... 03758 03117 87504 000 000	USB	(AB/MPJ)
E07	15837	18-6	1140	Tue	648 648 648 1 277 102 277 102 23451 41947 24373 ... 03758 03117 87504 000 000	USB	(AB/MPJ)
E07	13368	19-6	1700	Wed	354 354 354 000	USB	(AB/MPJ)
E07	11568	19-6	1720	Wed	354 354 354 000	USB	(AB/MPJ)
E07	16328	19-6	1900	Wed	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/MPJ)
E07	14828	19-6	1920	Wed	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB/MPJ)
E07	13428	19-6	1940	Wed	384 384 384 1 253 64 253 64 72595 38519 33380 ... 24959 35318 79283 000 000	USB	(AB)
E07	13417	20-6	1410	Thu	603 603 603 000	USB	(AB/MPJ)
E07	14717	20-6	1430	Thu	603 603 603 000	USB	(AB/MPJ)
E07	16331	21-6	0700	Fri	373 373 373 1 178 58 178 58 66316 84834 67600 96901 ... 32943 91116 27637 000 000	USB	(AB)
E07	18731	21-6	0720	Fri	373 373 373 1 178 58 178 58 66316 84834 67600 96901 ... 32943 91116 27637 000 000	USB	(AB)

E07	19331	21-6	0740	Fri	373 373 373 1 178 58 178 58 66316 84834 67600 96901 ... 32943 91116 27637 000 000	USB	(AB)
E07	18637	21-6	1100	Fri	648 648 648 1 277 102 277 102 23451 41947 24373 ... 03758 03117 87504 000 000. Stops after 5 mins and restarts	USB	(AB/MPJ)
E07	17437	21-6	1120	Fri	648 648 648 1 277 102 277 102 23451 41947 24373 ... 03758 03117 87504 000 000	USB	(AB/MPJ)
E07	15837	21-6	1140	Fri	648 648 648 1 277 102 277 102 23451 41947 24373 ... 03758 03117 87504 000 000	USB	(AB/MPJ)
E07	9064	22-6	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	22-6	0620	Sat	024 024 024 000	USB	(AB)
E07	13417	22-6	1410	Sat	603 603 603 000	USB	(AB/MPJ)
E07	14717	22-6	1430	Sat	603 603 603 000	USB	(AB/MPJ)
E07	9064	23-6	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	23-6	0620	Sun	024 024 024 000	USB	(AB)
E07	13368	23-6	1700	Sun	354 354 354 1 263 130 263 130 50437 91586 30910 ... 25581 63754 48073 000 000	USB	(AB)
E07	11568	23-6	1720	Sun	354 354 354 1 263 130 263 130 50437 91586 30910 ... 25581 63754 48073 000 000	USB	(AB)
E07	10468	23-6	1740	Sun	354 354 354 1 263 130 263 130 50437 91586 30910 ... 25581 63754 48073 000 000	USB	(AB)
E07	16328	24-6	1900	Mon	384 384 384 000	USB	(AB/MPJ)
E07	14828	24-6	1920	Mon	384 384 384 000	USB	(AB/MPJ)
E07	18637	25-6	1100	Tue	648 648 648 000	USB	(AB/MPJ)
E07	17437	25-6	1120	Tue	648 648 648 000	USB	(AB/MPJ)
E07	13368	26-6	1700	Wed	354 354 354 1 263 130 263 130 50437 91586 30910 ... 25581 63754 48073 000 000	USB	(AB/MPJ)
E07	11568	26-6	1720	Wed	354 354 354 1 263 130 263 130 50437 91586 30910 ... 25581 63754 48073 000 000	USB	(AB/MPJ)
E07	10468	26-6	1740	Wed	354 354 354 1 263 130 263 130 50437 91586 30910 ... 25581 63754 48073 000 000	USB	(AB/MPJ)
E07	16328	26-6	1900	Wed	384 384 384 000	USB	(AB/MPJ/RL)
E07	14828	26-6	1920	Wed	384 384 384 000	USB	(AB/MPJ/RL)
E07	13417	27-6	1410	Thu	603 603 603 000	USB	(AB/MPJ)
E07	14717	27-6	1430	Thu	603 603 603 000	USB	(AB/MPJ)
E07	16331	28-6	0700	Fri	373 373 373 000	USB	(AB)
E07	18731	28-6	0720	Fri	373 373 373 000	USB	(AB)
E07	18637	28-6	1100	Fri	648 648 648 000	USB	(AB/MPJ)
E07	17437	28-6	1120	Fri	648 648 648 000	USB	(AB/MPJ)
E07	9064	29-6	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	29-6	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	29-6	1300	Sat	024 024 024 000	USB	(AB/MPJ)
E07	10264	29-6	1320	Sat	024 024 024 000	USB	(AB/MPJ)
E07	13417	29-6	1410	Sat	603 603 603 000	USB	(AB/MPJ)
E07	14717	29-6	1430	Sat	603 603 603 000	USB	(AB/MPJ)
E07	9064	30-6	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	30-6	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	30-6	1300	Sun	024 024 024 000	USB	(AB/MPJ)
E07	10264	30-6	1320	Sun	024 024 024 000	USB	(AB/MPJ)

E07	13368	30-6	1700	Sun	354 354 354 1 5700 60 5700 60 02140 00129 99359 ... 41643 68358 20365 000 000	USB	(AB/MPJ)
E07	11568	30-6	1720	Sun	354 354 354 1 5700 60 5700 60 02140 00129 99359 ... 41643 68358 20365 000 000	USB	(AB/MPJ)
E07	10468	30-6	1740	Sun	354 354 354 1 5700 60 5700 60 02140 00129 99359 ... 41643 68358 20365 000 000	USB	(AB/MPJ)
E07a	13373	1-6	0800	Sat	338 338 338 000	USB	(AB/HFD)
E07a	14373	1-6	0820	Sat	338 338 338 000	USB	(AB/HFD)
E07a	12166	5-6	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	5-6	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	11082	7-6	1530	Fri	101 101 101 000	USB	(MPJ/GHn/HFD)
E07a	12180	7-6	1610	Fri	101 101 101 000. 12182 kHz expected	USB	(MPJ/HFD)
E07a	12166	12-6	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	12-6	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7933	13-6	0430	Thu	912 912 912 000	USB	(AB/HFD)
E07a	9133	13-6	0450	Thu	912 912 912 000	USB	(AB/HFD)
E07a	12182	14-6	1510	Fri	101 101 101 000	USB	(AB/MPJ)
E07a	11082	14-6	1530	Fri	101 101 101 000	USB	(AB/MPJ)
E07a	13373	15-6	0800	Sat	338 338 338 000	USB	(AB)
E07a	14373	15-6	0820	Sat	338 338 338 000	USB	(AB)
E07a	12166	19-6	2000	Wed	172 172 172 000	USB	(AB)
E07a	10766	19-6	2020	Wed	172 172 172 000	USB	(AB)
E07a	7933	20-6	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	20-6	0450	Thu	912 912 912 000	USB	(AB)
E07a	12182	21-6	1510	Fri	101 101 101 000	USB	(AB/GHn/MPJ)
E07a	11082	21-6	1530	Fri	101 101 101 000	USB	(AB/MPJ)
E07a	13373	22-6	0800	Sat	338 338 338 000	USB	(AB)
E07a	14373	22-6	0820	Sat	338 338 338 000	USB	(AB)
E07a	12166	26-6	2000	Wed	172 172 172 000	USB	(AB)
E07a	10766	26-6	2020	Wed	172 172 172 000	USB	(AB)
E07a	7933	27-6	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	27-6	0450	Thu	912 912 912 000	USB	(AB)
E07a	12182	28-6	1510	Fri	101 101 101 000	USB	(AB/GHn/MPJ)
E07a	11082	28-6	1530	Fri	101 101 101 000	USB	(AB/MPJ)
E07a	13373	29-6	0800	Sat	338 338 338 000	USB	(AB)
E07a	14373	29-6	0820	Sat	338 338 338 000	USB	(AB)
E11	6480	1-6	0710	Sat	498/00	USB	(AB)
E11	5373	1-6	0805	Sat	316/00	USB	(AB)
E11	11092	1-6	1300	Sat	583/00	USB	(MPJ)
E11	12984	1-6	1345	Sat	918/00	USB	(MPJ)
E11	4783	1-6	1705	Sat	393/00	USB	(AB/MPJ)
E11	7984	1-6	1730	Sat	405/00	USB	(AB/MPJ)

E11	5082	1-6	1930	Sat	360/00	USB	(AB)
E11	6480	2-6	0710	Sun	491/00	USB	(AB)
E11	7863	2-6	1625	Sun	977/00	USB	(AB/MPJ)
E11	14940	2-6	1650	Sun	926/00	USB	(AB-POL/MPJ)
E11	4783	2-6	1705	Sun	232/00	USB	(MPJ)
E11	14410	2-6	1745	Sun	247/00	USB	(AB)
E11	9610	2-6	1910	Sun	613/00	USB	(AB/MPJ)
E11	5082	2-6	1930	Sun	363/00	USB	(AB)
E11	7469	3-6	0450	Mon	412/00	USB	(HFD)
E11	5409	3-6	1530	Mon	524/00	USB	(MPJ)
E11	14410	3-6	1745	Mon	246/00	USB	(MPJ)
E11	7600	3-6	1900	Mon	641/00	USB	(AB/MPJ)
E11	6304	4-6	1205	Tue	462/00	USB	(MPJ)
E11	7984	5-6	1730	Wed	404/00	USB	(AB)
E11	14575	6-6	1545	Thu	333/00	USB	(MPJ)
E11	8088	6-6	1720	Thu	411/00	USB	(MPJ)
E11	7600	6-6	1900	Thu	648/00	USB	(MPJ)
E11	14940	7-6	1650	Fri	920/00	USB	(MPJ)
E11	9610	7-6	1910	Fri	6510/00	USB	(AB-POL/MPJ)
E11	4783	8-6	1705	Sat	395/00	USB	(MPJ)
E11	7984	8-6	1730	Sat	409/00	USB	(MPJ)
E11	5082	8-6	1930	Sat	363/00	USB	(AB)
E11	7863	9-6	1625	Sun	978/00	USB	(MPJ)
E11	14940	9-6	1650	Sun	921/00	USB	(MPJ)
E11	14410	9-6	1745	Sun	240/00	USB	(AB)
E11	14410	9-6	1745	Sun	249/00	USB	(MPJ)
E11	9610	9-6	1910	Sun	612/00	USB	(AB/MPJ)
E11	5082	9-6	1930	Sun	366/00	USB	(AB)
E11	14410	10-6	1745	Mon	240/00	USB	(AB/MPJ)
E11	7600	10-6	1900	Mon	644/00	USB	(AB)
E11	12984	11-6	1345	Tue	911/00	USB	(AB/MPJ)
E11	4783	11-6	1705	Tue	238/00	USB	(AB)
E11	12630	11-6	1925	Tue	551/00	USB	(AB)
E11	8565	12-6	0315	Wed	250/00	USB	(AB/HFD)
E11	15800	12-6	0640	Wed	949/00	USB	(AB-POL)
E11	7984	12-6	1730	Wed	404/00	USB	(MPJ)
E11	8565	13-6	0315	Thu	???	USB	(AB)
E11	13424	13-6	0645	Thu	518/00	USB	(AB)
E11	6923	13-6	0930	Thu	273/00	USB	(AB)

E11	11092	13-6	1300	Thu	588/00	USB	(AB/MPJ)
E11	10356	13-6	1530	Thu	267/00	USB	(AB/MPJ)
E11	8088	13-6	1730	Thu	410/00	USB	(AB/MPJ)
E11	7600	13-6	1900	Thu	641/00	USB	(AB/GHn/MPJ)
E11	12630	13-6	1925	Thu	551/00	USB	(AB/MPJ)
E11	6849	14-6	0635	Fri	350/00	USB	(AB)
E11	8680	14-6	0700	Fri	571/00	USB	(AB)
E11	15720	14-6	0745	Fri	344/00	USB	(AB-POL)
E11	12397	14-6	1000	Fri	306/00	USB	(AB)
E11	14940	14-6	1650	Fri	920/00	USB	(AB-POL/MPJ)
E11	9610	14-6	1910	Fri	613/00	USB	(MPJ)
E11	6480	15-6	0710	Sat	496/00	USB	(AB)
E11	5737	15-6	0805	Sat	311/00	USB	(AB)
E11	11092	15-6	1300	Sat	583/00	USB	(AB/MPJ)
E11	12984	15-6	1345	Sat	911/00	USB	(AB/MPJ)
E11	7984	15-6	1730	Sat	409/00	USB	(AB/MPJ)
E11	5082	15-6	1930	Sat	369/00	USB	(AB)
E11	6849	16-6	0435	Sun	358/00	USB	(AB)
E11	6480	16-6	0710	Sun	492/00	USB	(AB)
E11	5737	16-6	0805	Sun	310/00	USB	(AB)
E11	14940	16-6	1650	Sun	921/00	USB	(AB/GHn/MPJ)
E11	4783	16-6	1705	Sun	232/00	USB	(AB/MPJ)
E11	14410	16-6	1745	Sun	249/00	USB	(AB/MPJ)
E11	9610	16-6	1910	Sun	Probably 610/00	USB	(MPJ)
E11	5082	16-6	1930	Sun	360/00	USB	(AB/MPJ)
E11	7469	17-6	0450	Mon	418/00	USB	(AB)
E11	11559	17-6	0600	Mon	188/00	USB	(AB)
E11	15800	17-6	0640	Mon	941/00	USB	(AB)
E11	9610	17-6	0745	Mon	260/00	USB	(AB)
E11	7439	17-6	0900	Mon	530/00	USB	(AB)
E11	8545	17-6	1045	Mon	690/00	USB	(AB)
E11	5409	17-6	1530	Mon	521/00	USB	(AB)
E11	6304	18-6	1205	Tue	466/00	USB	(AB/MPJ)
E11	12984	18-6	1345	Tue	911/00	USB	(MPJ)
E11	14575	18-6	1645	Tue	335/00	USB	(MPJ)
E11	12630	18-6	1925	Tue	553/00	USB	(AB)
E11	8565	19-6	0315	Wed	259/00	USB	(AB)
E11	15800	19-6	0640	Wed	941/00	USB	(AB)
E11	15720	19-6	0745	Wed	346/00	USB	(AB)

E11	17378	19-6	0820	Wed	132/00	USB	(AB)
E11	7439	19-6	0900	Wed	533/00	USB	(AB)
E11	6923	19-6	0930	Wed	279/00	USB	(AB)
E11	6923	19-6	0930	Wed	279/00	USB	(AB)
E11	8545	19-6	1045	Wed	693/00	USB	(AB)
E11	6304	19-6	1205	Wed	469/00	USB	(AB)
E11	7863	19-6	1625	Wed	970/00	USB	(AB/MPJ)
E11	4783	19-6	1705	Wed	390/00	USB	(AB)
E11	4909	20-6	0820	Thu	430/00	USB	(AB)
E11	6923	20-6	0930	Thu	276/00	USB	(AB)
E11	11092	20-6	1300	Thu	580/00	USB	(AB/MPJ)
E11	10356	20-6	1530	Thu	260/00	USB	(AB/GHn/MPJ)
E11	8088	20-6	1730	Thu	413/00	USB	(AB/MPJ/Kris)
E11	12630	20-6	1925	Thu	557/00	USB	(AB)
E11	11559	21-6	0600	Fri	188/00	USB	(AB)
E11	15720	21-6	0745	Fri	342/00	USB	(AB)
E11	12397	21-6	1000	Fri	308/00	USB	(AB)
E11	5409	21-6	1530	Fri	521/00	USB	(AB/MPJ)
E11	12229	21-6	1650	Fri	925/00	USB	(AB-POL)
E11	9610	21-6	1910	Fri	616/00	USB	(MPJ)
E11	5737	22-6	0805	Sat	311/00	USB	(AB)
E11	11092	22-6	1300	Sat	588/00	USB	(AB/MPJ)
E11	12984	22-6	1345	Sat	918/00	USB	(AB/MPJ)
E11	4783	22-6	1705	Sat	394/00	USB	(AB)
E11	5737	23-6	0805	Sun	310/00	USB	(AB)
E11	5737	23-6	0805	Sun	310/00	USB	(AB)
E11	7863	23-6	1625	Sun	976/00	USB	(AB)
E11	12229	23-6	1650	Sun	922/00	USB	(AB)
E11	9610	23-6	1910	Sun	612/00	USB	(AB-POL)
E11	11559	24-6	0600	Mon	189/00	USB	(AB)
E11	9610	24-6	0745	Mon	264/00	USB	(AB)
E11	8545	24-6	1045	Mon	694/00	USB	(AB)
E11	5409	24-6	1530	Mon	521/00	USB	(AB/MPJ)
E11	14410	24-6	1745	Mon	244/00	USB	(AB/MPJ)
E11	7600	24-6	1900	Mon	646/00	USB	(AB/MPJ)
E11	17378	25-6	0820	Tue	132/00	USB	(AB-POL)
E11	12153	25-6	0845	Tue	159/00	USB	(AB)
E11	6304	25-6	1205	Tue	461/00	USB	(MPJ)
E11	12984	25-6	1345	Tue	919/00	USB	(MPJ)

E11	14575	25-6	1645	Tue	335/00	USB	(MPJ)
E11	12630	25-6	1925	Tue	557/00	USB	(AB)
E11	15720	26-6	0745	Wed	346/00	USB	(AB-AUT)
E11	17378	26-6	0820	Wed	134/00	USB	(AB)
E11	8545	26-6	1045	Wed	693/00	USB	(AB)
E11	6304	26-6	1205	Wed	465/00	USB	(AB/MPJ)
E11	7863	26-6	1625	Wed	977/00	USB	(AB/MPJ)
E11	4783	26-6	1705	Wed	392/00	USB	(AB/MPJ)
E11	7984	26-6	1730	Wed	409/00	USB	(AB)
E11	13424	27-6	0645	Thu	517/00	USB	(AB)
E11	4909	27-6	0820	Thu	431/00	USB	(AB-POL)
E11	12153	27-6	0845	Thu	156/00	USB	(AB)
E11	6923	27-6	0930	Thu	271/00	USB	(AB)
E11	11092	27-6	1300	Thu	585/00	USB	(AB)
E11	10356	27-6	1530	Thu	260/00	USB	(AB/GHn/MPJ)
E11	14575	27-6	1645	Thu	338/00	USB	(AB/MPJ)
E11	7600	27-6	1900	Thu	648/00	USB	(AB/MPJ)
E11	12630	27-6	1925	Thu	554/00	USB	(AB)
E11	6849	28-6	0435	Fri	350/00	USB	(AB)
E11	11559	28-6	0600	Fri	181/00	USB	(AB)
E11	8680	28-6	0700	Fri	573/00	USB	(AB)
E11	15720	28-6	0745	Fri	340/00	USB	(AB)
E11	12397	28-6	1000	Fri	308/00	USB	(AB)
E11	5409	28-6	1530	Fri	522/00	USB	(AB/MPJ)
E11	12229	28-6	1650	Fri	921/00	USB	(AB/MPJ)
E11	6480	29-6	0710	Sat	492/00	USB	(AB)
E11	11092	29-6	1300	Sat	583/00	USB	(AB/MPJ)
E11	12984	29-6	1345	Sat	912/00	USB	(AB/MPJ)
E11	4783	29-6	1705	Sat	390/00	USB	(AB/MPJ)
E11	7984	29-6	1730	Sat	400/00	USB	(AB/MPJ)
E11	6480	30-6	0710	Sun	492/00	USB	(AB)
E11	5371	30-6	1605	Sun	238/00	USB	(AB/MPJ)
E11	7863	30-6	1625	Sun	974/00	USB	(AB/MPJ)
E11	12229	30-6	1650	Sun	926/00	USB	(AB/MPJ)
E11	14410	30-6	1745	Sun	248/00	USB	(AB-POL/MPJ)
E11	5082	30-6	1930	Sun	360/00	USB	(AB/MPJ)
E11a	12984	4-6	1345	Tue	910/40 Attention 15566 06084 51727 ... 13606 12235 31987	USB	(MPJ)
E11a	12630	4-6	1925	Tue	556/34 Attention 84613 19568 60812 ... 36532 62729 33311 Attention (message repeated) Out	USB	(AB)
E11a	11092	6-6	1300	Thu	588/38 Attention 35322 53350 66035 ... 66823 52331 80020	USB	(MPJ)

E11a	10356	6-6	1530	Thu	264/37 Attention 87294 23247 63291 ... 47784 71877 21563 Attention (message repeated) Out	USB	(GHn/MPJ/HFD)
E11a	11092	8-6	1300	Sat	588/38 Attention 35322 53350 66035 ... 66823 52331 80020	USB	(MPJ)
E11a	12984	8-6	1345	Sat	910/40 Attention 15566 06084 51727 ... 13606 12235 31987	USB	(MPJ)
E11a	4783	9-6	1705	Sun	236/39 Attention 90872 67455 05840 ... 18633 52679 84657	USB	(MPJ)
E11a	5409	10-6	1530	Mon	525/34 Attention 55398 40359 83903 ... 78828 09804 21518 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	8545	10-6	1945	Mon	696/39 Attention 15090 57930 00620 ... 54921 16491 67348	USB	(MPJ)
E11a	6304	11-6	1205	Tue	464/36 Attention 73784 46167 68405 ... 79248 47888 61965	USB	(MPJ)
E11a	14575	11-6	1645	Tue	332/36 Attention 78228 66487 69644 ... 84093 35089 17384 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	8545	12-6	1045	Wed	696/39 Attention 15090 57930 00620 ... 54921 16491 67348 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6304	12-6	1205	Wed	464/36 Attention 73784 ...	USB	(HFD)
E11a	7863	12-6	1625	Wed	970/38 Attention 84594 47708 86569 ... 31689 55340 86458 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4783	12-6	1705	Wed	392/39 Attention 14490 98680 93390 ... 20022 45564 05097 Attention (message repeated) Out	USB	(MPJ)
E11a	14575	13-6	1645	Thu	332/36 Attention 78228 66487 69644 ... 84093 35089 17384 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5409	14-6	1530	Fri	525/34 Attention 55398 40359 83903 ... 78828 09804 21518 Attention (message repeated) Out	USB	(MPJ)
E11a	4783	15-6	1705	Sat	392/39 Attention 14490 98680 93390 ... 20022 45564 05097 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7863	16-6	1625	Sun	970/38 Attention 84594 47708 86569 ... 31689 55340 86458 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	14410	17-6	1745	Mon	248/35 Attention 74739 17573 06910 ... 53951 13730 06076 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	7600	17-6	1900	Mon	647/34 Attention 33556 12150 73677 ... 12225 92545 95317 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10429	18-6	0715	Tue	636/31 Attention 26884 11587 43414 ... 49763 00457 51635 Attention (message repeated) Out	USB	(AB)
E11a	12153	18-6	0845	Tue	155/30 Attention 37679 35048 54367 ... 95956 91471 74899 Attention (message repeated) Out	USB	(AB)
E11a	7984	19-6	1730	Wed	402/32 Attention 96549 35317 28527 ... 75813 73344 73450 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	13424	20-6	0645	Thu	512/33 Attention 30948 58251 85134 ... 24651 22716 07173 Attention (message repeated) Out	USB	(AB)
E11a	7600	20-6	1900	Thu	647/34 Attention 33556 12150 73677 ... 12225 92545 95317 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6849	21-6	0435	Fri	350/35 Attention 96529 67193 41048 ... 89293 28932 74645 Attention (message repeated) Out	USB	(AB)
E11a	8680	21-6	0700	Fri	574/33 Attention 61585 59092 24981 ... 84528 70773 32976 Attention (message repeated) Out	USB	(AB)
E11a	6480	22-6	0710	Sat	490/33 Attention 99683 48836 74383 ... 21054 95331 98003 Attention (message repeated) Out	USB	(AB)
E11a	7984	22-6	1730	Sat	402/32 Attention 96549 35317 28527 ... 75813 73344 73450 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5082	22-6	1930	Sat	363/33 Attention 84513 41110 86584 ... 95839 80217 92051 Attention (message repeated) Out	USB	(AB)
E11a	6480	23-6	0710	Sun	490/33 Attention 99683 48836 74383 ... 21054 95331 98003 Attention (message repeated) Out	USB	(AB)
E11a	5371	23-6	1605	Sun	231/35 Attention ...	USB	(AB)
E11a	14410	23-6	1745	Sun	248/35 Attention 74739 17573 06910 ... 53951 13730 06076 Attention (message repeated) Out	USB	(AB-POL)
E11a	5082	23-6	1930	Sun	363/33 Attention 84513 41110 86584 ... 95839 80217 92051 Attention (message repeated) Out	USB	(AB)
E11a	7469	24-6	0450	Mon	418/30 Attention 71710 71464 79017 ... 74773 59030 43760 Attention (message repeated) Out	USB	(AB)
E11a	7439	24-6	0900	Mon	533/32 Attention 31819 45307 53205 ... 49892 26962 49292 Attention (message repeated) Out	USB	(AB)
E11a	15800	26-6	0640	Wed	940/24 Attention 57932 88231 54603 ... 27676 86509 24604 Attention (message repeated) Out	USB	(AB)
E11a	7439	26-6	0900	Wed	533/32 Attention 31819 45307 53205 ... 49892 26962 49292 Attention (message repeated) Out	USB	(AB)
E11a	8088	27-6	1730	Thu	418/30 Attention 71710 71464 79017 ... 74773 59030 43760 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	9610	28-6	1910	Fri	610/35 Attention 93529 30019 54504 ... 88585 60227 42790 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	5737	29-6	0805	Sat	319/34 Attention 63598 05203 19029 ... 75237 84215 19429 Attention (message repeated) Out	USB	(AB)

E11a	9610	30-6	1910	Sun	610/35 Attention 93529 30019 54504 ... 88585 60227 42790 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E17z	16781	13-6	0800	Thu	Distorted sound. Should be on 16780 kHz. 674 908 5 01405 15003 24357 60583 54545 908 5 00000	USB	(AB)
E17z	12851	13-6	0810	Thu	Distorted sound. Should be on 12850 kHz. 674 908 5 01405 15003 24357 60583 54545 908 5 00000	USB	(AB)
E17z	16781	20-6	0800	Thu	Distorted sound. Should be on 16780 kHz. 674 291 5 40639 33180 48007 37230 46446 291 5 00000	USB	(AB)
E17z	12851	20-6	0810	Thu	Distorted sound. Should be on 12850 kHz. 674 291 5 40639 33180 48007 37230 46446 291 5 00000	USB	(AB)
EGY	13991.7	20-6	1419	Thu	OOVP: Egyptian embassy Islamabad clg SSTB: MFA Cairo	SITOR-A 100/170	(AB)
EGY	13991.7	20-6	1422	Thu	SSTB: MFA Cairo msg to OOVP: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	13991	20-6	1424	Thu	99901: MFA Cairo clg 44405: Egyptian embassy Islamabad	Codan chirp	(AB)
EGY	12519.7	21-6	1248	Fri	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
F01	14621	5-6	1840	Wed	Russian diplo/intel.)576 100000+++++++	FSK 200/500	(AB)
F01	12206	5-6	1850	Wed	Russian diplo/intel.)576 100000+++++++	FSK 200/500	(AB/HFD)
F01	10465	5-6	1900	Wed	Russian diplo/intel.)576 100000+++++++	FSK 200/500	(AB/HFD)
F01	16218	24-6	0025	Mon	Russian diplo/intel. Header: 11177 00117 13684 20031 02849	FSK 200/500	(AB-USA)
F01	13949	24-6	0035	Mon	Russian diplo/intel. Header: 11177 00117 13684 20031 02849	FSK 200/500	(AB-USA)
F01	16218	24-6	0125	Mon	Russian diplo/intel. Header: 11177 00117 13684 20031 02849	FSK 200/500	(AB-USA)
F01	13949	24-6	0135	Mon	Russian diplo/intel. Header: 11177 00117 13684 20031 02849	FSK 200/500	(AB-USA)
F03a	12385	6-6	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	6-6	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	10-6	1830	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	10-6	1835	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	11-6	1800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	11-6	1805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	13-6	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	13-6	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	13-6	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	13-6	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	17-6	0630	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	17-6	0635	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	17-6	1830	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	17-6	1835	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	11531	18-6	0945	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	11531	18-6	0950	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	18-6	1800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	18-6	1805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	19-6	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)

F03a	18030	19-6	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	20-6	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	20-6	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	20-6	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	20-6	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	11531	21-6	0945	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	11531	21-6	0950	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	24-6	1830	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	24-6	1835	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	11531	25-6	0945	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	11531	25-6	0950	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	25-6	1800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	25-6	1805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	26-6	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	26-6	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	27-6	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	27-6	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	27-6	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	27-6	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	28-6	1330	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	28-6	1335	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03c	10210	14-6	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	14-6	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	17-6	0940	Mon	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	17-6	0945	Mon	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	21-6	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	21-6	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	24-6	0940	Mon	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	24-6	0945	Mon	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	28-6	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	28-6	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03f	10210	13-6	1000	Thu	Polish intel	FSK-2 400/800 ACF 992	(AB)
F03f	10210	13-6	1005	Thu	Polish intel	FSK-2 400/800 ACF 992	(AB)
F03f	10210	17-6	1000	Mon	Polish intel	FSK-2 400/800 ACF 992	(AB)
F03f	10210	17-6	1005	Mon	Polish intel	FSK-2 400/800 ACF 992	(AB)
F03f	10210	20-6	1000	Thu	Polish intel	FSK-2 400/800 ACF 992	(AB)
F03f	10210	20-6	1005	Thu	Polish intel	FSK-2 400/800 ACF 992	(AB)
F03f	10210	24-6	1000	Mon	Polish intel	FSK-2 400/800 ACF 992	(AB)
F03f	10210	24-6	1005	Mon	Polish intel	FSK-2 400/800 ACF 992	(AB)

F03f	10210	27-6	1000	Thu	Polish intel	FSK-2 400/800 ACF 992	(AB)
F03f	10210	27-6	1005	Thu	Polish intel	FSK-2 400/800 ACF 992	(AB)
F03g	17410	18-6	0725	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	18-6	0730	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	20-6	0725	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	20-6	0730	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	27-6	0725	Thu	Polish Intel.	FSK-4 100/200	(AB-AUT)
F03g	17410	27-6	0730	Thu	Polish Intel.	FSK-4 100/200	(AB-AUT)
F03i	6433	12-6	1100	Wed	Polish Intel.	FSK-2 100/800	(AB)
F03i	6433	12-6	1105	Wed	Polish Intel.	FSK-2 100/800	(AB)
F03i	6433	19-6	1100	Wed	Polish Intel.	FSK-2 100/800	(AB-POL)
F03i	6433	19-6	1105	Wed	Polish Intel.	FSK-2 100/800	(AB-POL)
F03i	6433	25-6	1100	Tue	Polish Intel.	FSK-2 100/800	(AB)
F03i	6433	25-6	1105	Tue	Polish Intel.	FSK-2 100/800	(AB)
F03i	6433	26-6	1100	Wed	Polish Intel.	FSK-2 100/800	(AB-POL/MPJ)
F03i	6433	26-6	1105	Wed	Polish Intel.	FSK-2 100/800	(AB-POL/MPJ)
F03j	8803	11-6	0615	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	11-6	0620	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	12-6	0915	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	12-6	0920	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	12-6	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	12-6	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	13-6	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	13-6	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	13-6	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	13-6	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	17-6	1030	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	17-6	1035	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	18-6	0835	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	18-6	0840	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	19-6	0915	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	19-6	0920	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	19-6	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	19-6	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	20-6	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	20-6	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	20-6	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	20-6	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	20-6	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)

F03j	6304	20-6	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	24-6	1030	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	24-6	1035	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	25-6	0835	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	25-6	0840	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	26-6	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	26-6	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	27-6	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	27-6	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	27-6	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	27-6	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	27-6	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	27-6	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03k	8545	17-6	1100	Mon	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	17-6	1105	Mon	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	20-6	1100	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	20-6	1105	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	24-6	1100	Mon	Polish intel.	FSK-2 400/800 ACF 896	(AB/MPJ)
F03k	8545	24-6	1105	Mon	Polish intel.	FSK-2 400/800 ACF 896	(AB/MPJ)
F03k	8545	27-6	1100	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	27-6	1105	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F06	13366	1-6	1100	Sat	Russian diplo/intel. 11166 50046 17935 01076 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	11438	1-6	1110	Sat	Russian diplo/intel. 11166 50046 17935 01076 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	9308	1-6	1120	Sat	Russian diplo/intel. 11166 50046 17935 01076 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	19166	1-6	2100	Sat	Russian diplo/intel. 11166 40133 14279 01038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16266	1-6	2110	Sat	Russian diplo/intel. 11166 40133 14279 01038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14541	1-6	2120	Sat	Russian diplo/intel. 11166 40133 14279 01038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19838	2-6	1530	Sun	Russian diplo.intel. 11166 10053 13579 02066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16238	2-6	1540	Sun	Russian diplo.intel. 11166 10053 13579 02066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13546	2-6	1550	Sun	Russian diplo.intel. 11166 10053 13579 02066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19936	4-6	1650	Tue	Russian diplo/intel. 11166 10053 12496 04070 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	16354	4-6	1700	Tue	Russian diplo/intel. 11166 10053 12496 04070 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	13955	4-6	1710	Tue	Russian diplo/intel. 11166 10053 12496 04070 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	14565	6-6	1330	Thu	Russian diplo/intel. 11166 80214 58926 06053 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	12169	6-6	1340	Thu	Russian diplo/intel. 11166 80214 58926 06053 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	9981	6-6	1360	Thu	Russian diplo/intel. 11166 80214 58926 06053 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	16266	8-6	2110	Sat	Russian diplo/intel. 11166 40133 13579 08038 00049 00000 00000 00000 00000	FSK 200/1000	(RL)
F06	19838	9-6	1530	Sun	Russian diplo/intel. 11166 10053 14279 09066 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	16238	9-6	1540	Sun	Russian diplo/intel. 11166 10053 14279 09066 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)

F06	13546	9-6	1550	Sun	Russian diplo/intel. 11166 10053 14279 09066 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	12209	11-6	0030	Tue	Russian diplo/intel. 11166 60070 74123 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10354	11-6	0040	Tue	Russian diplo/intel. 11166 60070 74123 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8179	11-6	0050	Tue	Russian diplo/intel. 11166 60070 74123 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19936	11-6	1650	Tue	Russian diplo/intel. 11166 10053 13579 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16354	11-6	1700	Tue	Russian diplo/intel. 11166 10053 13579 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13955	11-6	1710	Tue	Russian diplo/intel. 11166 10053 13579 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17512	12-6	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 12634 08035 03029 and 11166 40122 57129 08036 02279	FSK 200/1000	(AB-J)
F06	15930	12-6	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 12634 08035 03029 and 11166 40122 57129 08036 02279	FSK 200/1000	(AB-J)
F06	13503	12-6	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 12634 08035 03029 and 11166 40122 57129 08036 02279	FSK 200/1000	(AB-J)
F06	15609	12-6	0800	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	13424	12-6	0810	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(Priyom)
F06	11516	12-6	0820	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(Priyom)
F06	15629	12-6	0915	Wed	Russian diplo/intel. 11166 10031 52179 12026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13376	12-6	0925	Wed	Russian diplo/intel. 11166 10031 52179 12026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11544	12-6	0935	Wed	Russian diplo/intel. 11166 10031 52179 12026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17512	13-6	0600	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 12634 08035 03029 and 11166 40122 57129 08036 02279	FSK 200/1000	(AB-J)
F06	15930	13-6	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 12634 08035 03029 and 11166 40122 57129 08036 02279	FSK 200/1000	(AB-J)
F06	13503	13-6	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 12634 08035 03029 and 11166 40122 57129 08036 02279	FSK 200/1000	(AB-J)
F06	12213	13-6	0800	Thu	Russian diplo/intel. 11166 70048 17935 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15609	13-6	0800	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	10315	13-6	0810	Thu	Russian diplo/intel. 11166 70048 17935 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13424	13-6	0810	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	8066	13-6	0820	Thu	Russian diplo/intel. 11166 70048 17935 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11516	13-6	0820	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	14565	13-6	1330	Thu	Russian diplo/intel. 11166 80214 34521 13045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12169	13-6	1340	Thu	Russian diplo/intel. 11166 80214 34521 13045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9981	13-6	1350	Thu	Russian diplo/intel. 11166 80214 34521 13045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19166	15-6	2100	Sat	Russian diplo/intel. 11166 40133 13579 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	16266	15-6	2110	Sat	Russian diplo/intel. 11166 40133 13579 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	14541	15-6	2120	Sat	Russian diplo/intel. 11166 40133 13579 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19838	16-6	1530	Sun	Russian diplo.intel. 11166 10053 14965 16066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16238	16-6	1540	Sun	Russian diplo.intel. 11166 10053 14965 16066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)

F06	13546	16-6	1550	Sun	Russian diplo.intel. 11166 10053 14965 16066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12194	17-6	0400	Mon	Russian diplo/intel. 11166 70059 35741 17021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10943	17-6	0410	Mon	Russian diplo/intel. 11166 70059 35741 17021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8116	17-6	0420	Mon	Russian diplo/intel. 11166 70059 35741 17021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12209	18-6	0030	Tue	Russian diplo/intel. 11166 60070 17935 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10354	18-6	0040	Tue	Russian diplo/intel. 11166 60070 17935 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8179	18-6	0050	Tue	Russian diplo/intel. 11166 60070 17935 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19936	18-6	1650	Tue	Russian diplo/intel. 11166 10053 78963 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16354	18-6	1700	Tue	Russian diplo/intel. 11166 10053 78963 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13955	18-6	1710	Tue	Russian diplo/intel. 11166 10053 78963 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17512	19-6	0600	Wed	Russian diplo/intel. 11166 40122 63824 19069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	15930	19-6	0610	Wed	Russian diplo/intel. 11166 40122 63824 19069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	13503	19-6	0620	Wed	Russian diplo/intel. 11166 40122 63824 19069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	12213	20-6	0800	Thu	Russian diplo/intel. 11166 70048 12347 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10315	20-6	0810	Thu	Russian diplo/intel. 11166 70048 12347 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8066	20-6	0820	Thu	Russian diplo/intel. 11166 70048 12347 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14565	20-6	1330	Thu	Russian diplo/intel. 11166 80214 95123 20033 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12169	20-6	1340	Thu	Russian diplo/intel. 11166 80214 95123 20033 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9981	20-6	1350	Thu	Russian diplo/intel. 11166 80214 95123 20033 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19166	22-6	2100	Sat	Russian diplo/intel. 11166 40133 16492 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16266	22-6	2110	Sat	Russian diplo/intel. 11166 40133 16492 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14541	22-6	2120	Sat	Russian diplo/intel. 11166 40133 16492 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	19838	23-6	1520	Sun	Russian diplo.intel. Test: 464646464646464646464646464646	FSK 200/1000	(AB)
F06	19838	23-6	1530	Sun	Russian diplo.intel. 11166 10053 13579 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16238	23-6	1540	Sun	Russian diplo.intel. 11166 10053 13579 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13546	23-6	1550	Sun	Russian diplo.intel. 11166 10053 13579 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12209	25-6	0030	Tue	Russian diplo/intel. 11166 60070 97531 25075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10354	25-6	0040	Tue	Russian diplo/intel. 11166 60070 97531 25075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8179	25-6	0050	Tue	Russian diplo/intel. 11166 60070 97531 25075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19936	25-6	1650	Tue	Russian diplo/intel. 11166 10053 52369 25001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ/SP1)
F06	16354	25-6	1700	Tue	Russian diplo/intel. 11166 10053 52369 25001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	13955	25-6	1710	Tue	Russian diplo/intel. 11166 10053 52369 25001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	17512	26-6	0600	Wed	Russian diplo/intel. Header: 11166 40122 72985 22037 03779	FSK 200/1000	(AB-J)
F06	15930	26-6	0610	Wed	Russian diplo/intel. Header: 11166 40122 72985 22037 03779	FSK 200/1000	(AB-J)
F06	13503	26-6	0620	Wed	Russian diplo/intel. Header: 11166 40122 72985 22037 03779	FSK 200/1000	(AB-J)
F06	15609	26-6	0800	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	13424	26-6	0810	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	11516	26-6	0820	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	15629	26-6	0915	Wed	Russian diplo/intel. 11166 10031 13579 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/SP1)

F06	13376	26-6	0925	Wed	Russian diplo/intel. 11166 10031 13579 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11544	26-6	0935	Wed	Russian diplo/intel. 11166 10031 13579 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17512	27-6	0600	Thu	Russian diplo/intel. Header: 11166 40122 72985 22037 03779	FSK 200/1000	(AB-J)
F06	15930	27-6	0610	Thu	Russian diplo/intel. Header: 11166 40122 72985 22037 03779	FSK 200/1000	(AB-J)
F06	13503	27-6	0620	Thu	Russian diplo/intel. Header: 11166 40122 72985 22037 03779	FSK 200/1000	(AB-J)
F06	12213	27-6	0750	Thu	Russian diplo/intel. 4646464646464646 4646464646464646	FSK 200/1000	(AB)
F06	12213	27-6	0800	Thu	Russian diplo/intel. 11166 70048 79682 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15609	27-6	0800	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	10315	27-6	0810	Thu	Russian diplo/intel. 11166 70048 79682 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13424	27-6	0810	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	8066	27-6	0820	Thu	Russian diplo/intel. 11166 70048 79682 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11516	27-6	0820	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	14565	27-6	1330	Thu	Russian diplo/intel. 11166 80214 34521 27054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12169	27-6	1340	Thu	Russian diplo/intel. 11166 80214 34521 27054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9981	27-6	1350	Thu	Russian diplo/intel. 11166 80214 34521 27054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19166	29-6	2100	Sat	Russian diplo/intel. 11166 40133 17935 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16266	29-6	2110	Sat	Russian diplo/intel. 11166 40133 17935 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14541	29-6	2120	Sat	Russian diplo/intel. 11166 40133 17935 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	19838	30-6	1530	Sun	Russian diplo.intel. 11166 10053 16895 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16238	30-6	1540	Sun	Russian diplo.intel. 11166 10053 16895 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13546	30-6	1550	Sun	Russian diplo.intel. 11166 10053 16895 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
G06	5344	3-6	1701	Mon	145 145 145 00000	USB	(MPJ/HFD)
G06	5890	6-6	1300	Thu	329 329 329 00000	USB	(MPJ)
G06	5344	10-6	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
G06	5344	10-6	1716	Mon	111 111 111	USB	(AB)
G06	5915	10-6	1800	Mon	145 145 145 00000. Windows shut down sound	USB	(AB)
G06	7533	12-6	1149	Wed	11	USB	(AB)
G06	7533	12-6	1200	Wed	145 145 145 00000	USB	(AB)
G06	6981	12-6	1300	Wed	145 145 145 145 00000. Windows shut down sound	CW	(AB)
G06	6887	13-6	1830	Thu	842 973 48 90874 56432 12456 ... 56546 45442 45678 973 48 000 000	USB	(AB/GHn/MPJ)
G06	5937	14-6	1930	Fri	218 973 48 90874 56432 12456 ... 56546 45442 45678 973 48 000 000. Windows shut down sound	USB	(AB)
G06	7323	17-6	0801	Mon	329 329 329 00000 Late start	USB	(AB)
G06	5890	20-6	1300	Thu	329 329 329 00000. Windows shut down sound	USB	(AB-FIN/MPJ)
G06	6887	27-6	1804	Thu	111 111 111 00000	USB	(AB)
G06	6887	27-6	1809	Thu	111 111 111 00000	USB	(AB)
G06	6887	27-6	1830	Thu	842 968 43 43057 32409 32495 ... 29384 88773 36125 968 43 00000 Windows shut down sound	USB	(AB/MPJ)
G06	5935	28-6	1930	Fri	218 968 43 43057 32409 32495 ... 29384 88773 36125 968 43 00000 Windows sound 21 Windows shut down sound	USB	(AB)

HM01	11435	1-6	1556	Sat	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11435	2-6	1555	Sun	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11435	3-6	1559	Mon	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11530	4-6	1700	Tue	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11635	5-6	1759	Wed	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11635	6-6	1700	Thu	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11435	7-6	1600	Fri	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11435	8-6	1600	Sat	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11435	9-6	1600	Sun	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11530	10-6	1655	Mon	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11635	10-6	2056	Mon	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RL)
HM01	10715	10-6	2156	Mon	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RL)
HM01	11435	11-6	1602	Tue	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11435	12-6	1556	Wed	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11530	13-6	1655	Thu	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	9330	14-6	0658	Fri	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(AB)
HM01	9065	14-6	0758	Fri	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(AB)
HM01	11435	14-6	1557	Fri	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	15-6	1559	Sat	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	16-6	1558	Sun	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11530	17-6	1659	Mon	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	18-6	1559	Tue	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	19-6	1627	Wed	76567 22185 10211 61712 01551 64443	AM/RDFT	(RR2)
HM01	11530	20-6	1655	Thu	76567 22185 10211 61712 01551 64443 (repeating groups of 19 June)	AM/RDFT	(RR2)
HM01	11435	21-6	1559	Fri	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
HM01	11435	22-6	1559	Sat	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
HM01	11435	23-6	1558	Sun	Radio Habana Cuba followed by 76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
HM01	10715	23-6	2156	Sun	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RL)
HM01	10860	24-6	0458	Mon	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(AB)
HM01	9330	24-6	0658	Mon	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(AB)
HM01	9065	24-6	0801	Mon	i.p. 76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(AB)
HM01	11435	24-6	1555	Mon	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
HM01	11435	25-6	1555	Tue	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
HM01	16180	25-6	2056	Tue	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RL)
HM01	17480	25-6	2156	Tue	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RL)
HM01	11435	26-6	1558	Wed	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
HM01	10715	26-6	2156	Wed	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(AB)
HM01	11530	27-6	1655	Thu	76567 22185 10211 61712 01551 64443 (repeating groups of 19 June)	AM/RDFT	(RR2)

HM01	17480	27-6	2156	Thu	76567 22185 10211 61712 01551 64443 (repeating groups of 19 June)	AM/RDFT	(RL)
HM01	11435	28-6	1556	Fri	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
HM01	11635	28-6	2056	Fri	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RL)
HM01	11435	29-6	1556	Sat	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
Jammer	3480	4-6	1557	Tue	North Korean jammer covering Voice of the People	AM	(BW3-KOR)
Jammer	4450	4-6	1609	Tue	South Korean for PBS Pyongyang Pansong broadcast	AM	(BW3-KOR)
Jammer	3480	13-6	1600	Thu	Voice of the People Goyang being jammed	AM	(BW3-J)
Jammer	3985	13-6	1607	Thu	North Korean jammer jamming Echo of Hope	AM	(BW3-J)
M01	6435	1-6	1500	Sat	025 731 731 = 30 30 = = 56947 46533 34563 ... 99679 37135 04017 = 731 731 = 30 30 000	CW	(AB/MPJ)
M01	6780	2-6	0700	Sun	Errors 025 752 752 30 30 = = 45124 30623 78649 ... 58150 951199557 752 752 30 30 000	CW	(AB)
M01	5280	4-6	1800	Tue	025 121 121 30 30 = = 36161 54618 87533 ... 23612 02305 87607 = = 121 121 30 30 000	CW	(MPJ)
M01	4905	4-6	2000	Tue	025 517 517 30 30 = = = 89045 38745 58424 ... 40342 01896 82532 = = = 517 517 30 30 000	CW	(AB)
M01	5280	6-6	1801	Thu	025 (5 mins) 318 318 30 30 = = 80057 45242 88398 ... 99040 35320 9555927 95927 = = 802 802 30 30 000. (Ending and postamble as sent)	CW	(MPJ)
M01	6435	8-6	1500	Sat	025 211 211 30 30 = = 16645 05362 60377 ... 933 Es 93440 39657 86220 = = 211 211 30 30 000	CW	(MPJ)
M01	5820	11-6	1800	Tue	025 074 074 30 30 = = 97293 87939 88235 ... 06072 54124 73922 = = 074 0740 30 30 000	CW	(AB/MPJ)
M01	5280	13-6	1800	Thu	025 732 732 30 30 = = = 32965 20422 89435 ... 09217 78806 06374 = = = 732 732 30 30 000	CW	(MPJ)
M01	6780	16-6	0700	Sun	025 210 210 30 30 = = 89740 99050 05251 ... 79284 25788 03715 = = 210 210 30 30 000	CW	(AB)
M01	5820	18-6	1800	Tue	025 213 213 30 30 = = 96597 27518(?) 83635 ... 22294 72163 83160 = = 213 213 30 30 000	CW	(MPJ)
M01	4905	18-6	2000	Tue	025 391 391 30 30 = = 16460 95985 53599 ... 72568 01740 97077 = = 391 391 30 30 000	CW	(AB)
M01	5280	20-6	1800	Thu	025 351 351 30 30 = = 81482 07240 48003 ... 35073 81233 97273 = = 351 351 30 30 000	CW	(AB/MPJ)
M01	4905	20-6	2000	Thu	025 809 809 30 30 = = 61758 66005 24235 ... 92386 27215 25359 = = 809 809 30 30 000	CW	(AB)
M01	6435	22-6	1500	Sat	025 219 219 30 30 // 60253 (20253) 66540 22214 ... 09131 61436 39290 // 219 219 30 30 000	CW	(AB/MPJ)
M01	6780	23-6	0700	Sun	025 793 793 30 30 = = 54103 32316 35827 ... 54240 18964 41266 = = = 793 793 30 30 000	CW	(AB)
M01	5820	25-6	1800	Tue	025 258 258 30 30 = = = .0809 6.67. (61671) 57920 52070 ... 20489 53367 14414 = = = 258 258 30 30 000	CW	(AB/MPJ)
M01	4905	25-6	2000	Tue	025 372 372 30 30 = = 22790 35489 86177 ... 32614 13496 24225 = = 372 372 30 30 000	CW	(AB)
M01	5280	27-6	1800	Thu	025 ... (barely audible)	CW	(AB/MPJ)
M01	6435	29-6	1500	Sat	025 169 169 30 30 = = 21235 01876 37413 ... 82393 72676 60611 = = 169 169 30 30 000	CW	(MPJ/HFD)
M01	6780	30-6	0700	Sun	025 125 125 30 30 = = 81589 45952 04409 ... 74044 25525 47997 = = 125 125 30 30 000	CW	(AB)
M01b	5125	3-6	1810	Mon	364 367 367 33 33 = = 72762 35906 29332 ... 75071 51341 57133 = = 367 367 33 33 000 //5735 kHz	MCW	(MPJ)
M01b	5735	3-6	1810	Mon	364 367 367 33 33 = = 72762 35906 29332 ... 75071 51341 57133 = = 367 367 33 33 000 //5125 kHz	MCW	(MPJ)
M01b	5150	3-6	1915	Mon	858 367 367 33 33 = = 72762 35906 29332 ... 75071 51341 57133 = = 367 367 33 33 000 //5475 kHz	MCW	(MPJ)
M01b	5475	3-6	1915	Mon	858 367 367 33 33 = = 72762 35906 29332 ... 75071 51341 57133 = = 367 367 33 33 000 //5150 kHz	MCW	(MPJ)
M01b	5095	6-6	1840	Thu	Carriers only since 18:32. No Morse. //5760 kHz	MCW	(MPJ)

M01b	5760	6-6	1840	Thu	Carriers only since 18:32. No Morse. //5095 kHz	MCW	(MPJ)
M01b	5075	7-6	1902	Fri	336 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5465 kHz	MCW	(MPJ)
M01b	5465	7-6	1902	Fri	336 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5075 kHz	MCW	(MPJ)
M01b	5125	10-6	1810	Mon	364 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5735 kHz	MCW	(MPJ)
M01b	5735	10-6	1810	Mon	364 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5125 kHz	MCW	(MPJ)
M01b	5150	10-6	1915	Mon	858 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5475 kHz	MCW	(MPJ/Remy)
M01b	5475	10-6	1915	Mon	858 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5150 kHz	MCW	(MPJ/Remy)
M01b	5095	13-6	1832	Thu	815 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5760 kHz	MCW	(MPJ)
M01b	5760	13-6	1832	Thu	815 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5095 kHz	MCW	(MPJ)
M01b	5075	14-6	1902	Fri	336 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5465 kHz	MCW	(MPJ)
M01b	5465	14-6	1902	Fri	336 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5075 kHz	MCW	(MPJ)
M01b	5125	17-6	1810	Mon	364 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5735 kHz	MCW	(MPJ)
M01b	5735	17-6	1810	Mon	364 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5125 kHz	MCW	(MPJ)
M01b	5150	17-6	1915	Mon	858 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5475 kHz	MCW	(MPJ)
M01b	5475	17-6	1915	Mon	858 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5150 kHz	MCW	(MPJ)
M01b	5095	20-6	1832	Thu	815 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5760 kHz	MCW	(AB/MPJ)
M01b	5760	20-6	1832	Thu	815 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5095 kHz	MCW	(AB/MPJ)
M01b	5065	20-6	1940	Thu	936 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5805 kHz	MCW	(AB)
M01b	5805	20-6	1940	Thu	936 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5065 kHz	MCW	(AB)
M01b	5075	21-6	1902	Fri	336 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5465 kHz	MCW	(AB/MPJ)
M01b	5465	21-6	1902	Fri	336 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5075 kHz	MCW	(AB/MPJ)

					kHz		
M01b	4895	21-6	2010	Fri	467 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5340 kHz	MCW	(AB)
M01b	5340	21-6	2010	Fri	467 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //4895 kHz	MCW	(AB)
M01b	5125	24-6	1810	Mon	364 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5735 kHz	MCW	(MPJ)
M01b	5735	24-6	1810	Mon	364 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5125 kHz	MCW	(MPJ)
M01b	5150	24-6	1915	Mon	858 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5475 kHz	MCW	(AB/MPJ)
M01b	5475	24-6	1915	Mon	858 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5150 kHz	MCW	(AB/MPJ)
M01b	5095	27-6	1830	Thu	815 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5760 kHz	MCW	(AB/MPJ)
M01b	5760	27-6	1830	Thu	815 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5095 kHz	MCW	(AB/MPJ)
M01b	5065	27-6	1940	Thu	936 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5805 kHz	MCW	(AB)
M01b	5805	27-6	1940	Thu	936 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5065 kHz	MCW	(AB)
M01b	5075	28-6	1902	Fri	336 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5465 kHz	MCW	(AB/MPJ)
M01b	5465	28-6	1902	Fri	336 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5075 kHz	MCW	(AB/MPJ)
M01b	4895	28-6	2010	Fri	467 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //5340 kHz	MCW	(AB)
M01b	5340	28-6	2010	Fri	467 367 367 33 33 == 72762 35906 29332 ... 75071 51341 57133 == 367 367 33 33 000 //4895 kHz	MCW	(AB)
M12	8047	1-6	2000	Sat	463 463 463 1 5184 95 5184 95 62278 16924 51584 ... 30203 47101 92232 000 000	CW	(AB)
M12	6802	1-6	2020	Sat	463 463 463 1 5184 95 5184 95 62278 16924 51584 ... 30203 47101 92232 000 000	CW	(AB)
M12	5788	1-6	2040	Sat	463 463 463 1 5184 95 5184 95 62278 16924 51584 ... 30203 47101 92232 000 000	CW	(AB)
M12	16117	3-6	1400	Mon	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(MPJ/HFD)
M12	14717	3-6	1420	Mon	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(MPJ/HFD)
M12	13417	3-6	1440	Mon	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(MPJ/HFD)
M12	11435	3-6	1710	Mon	938 1 5828 105 31700 67257 79078 ... 86794 62057 25825 000 000	CW	(MPJ)
M12	10587	3-6	1730	Mon	938 1 5828 105 31700 67257 79078 ... 86794 62057 25825 000 000	CW	(MPJ)
M12	9327	3-6	1750	Mon	938 1 5828 105 31700 67257 79078 ... 86794 62057 25825 000 000	CW	(MPJ)
M12	8047	3-6	1800	Mon	463 1 9708 97 82018 66450 26876 ... 82062 63240 61014 000 000	CW	(MPJ)

M12	6802	3-6	1820	Mon	463 1 9708 97 82018 66450 26876 ... 82062 63240 61014 000 000	CW	(MPJ)
M12	5788	3-6	1840	Mon	463 1 9708 97 82018 66450 26876 ... 82062 63240 61014 000 000	CW	(MPJ)
M12	10343	3-6	2000	Mon	124 124 124 1 9057 106 9057 106 00458 41819 86466 ... 44163 60350 85009 000 000	CW	(AB/RL)
M12	9264	3-6	2020	Mon	124 124 124 1 9057 106 9057 106 00458 41819 86466 ... 44163 60350 85009 000 000	CW	(AB/RL)
M12	8116	3-6	2040	Mon	124 124 124 1 9057 106 9057 106 00458 41819 86466 ... 44163 60350 85009 000 000	CW	(AB/RL)
M12	14493	3-6	2110	Mon	431 431 431 000	CW	(RL)
M12	13393	3-6	2130	Mon	431 431 431 000	CW	(RL)
M12	11435	4-6	1800	Tue	938 1 6809 106 00311 35785 98092 ... 13542 53201 54381 000 000	CW	(MPJ)
M12	10598	4-6	1820	Tue	938 1 6809 106 00311 35785 98092 ... 13542 53201 54381 000 000	CW	(MPJ)
M12	9327	4-6	1840	Tue	938 1 6809 106 00311 35785 98092 ... 13542 53201 54381 000 000	CW	(MPJ)
M12	11484	5-6	1210	Wed	314 1	CW	(HFD)
M12	12184	5-6	1230	Wed	314 1	CW	(HFD)
M12	13384	5-6	1250	Wed	314 1	CW	(HFD)
M12	16117	5-6	1400	Wed	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(AB)
M12	14717	5-6	1420	Wed	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(AB)
M12	13417	5-6	1440	Wed	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(AB)
M12	12162	5-6	1710	Wed	546 546 546 1 5195 108 5195 108 38620 62613 15916 ... 06122 60988 54066 000 000	CW	(AB)
M12	11566	5-6	1730	Wed	546 546 546 1 5195 108 5195 108 38620 62613 15916 ... 06122 60988 54066 000 000	CW	(AB)
M12	10711	5-6	1750	Wed	546 546 546 1 5195 108 5195 108 38620 62613 15916 ... 06122 60988 54066 000 000	CW	(AB)
M12	16217	5-6	1950	Wed	284 284 284 000	CW	(AB/HFD)
M12	14817	5-6	2010	Wed	284 284 284 000	CW	(AB/RL/HFD)
M12	8023	5-6	2210	Wed	239 239 239 1 335 104 335 104 75900 10231 33896 41627 ... 17650 52214 11797 78346 000 000	CW	(RL)
M12	9323	5-6	2210	Wed	239 239 239 1 335 104 335 104 75900 10231 33896 41627 ... 17650 52214 11797 78346 000 000	CW	(RL)
M12	10223	5-6	2210	Wed	239 239 239 1 335 104 335 104 75900 10231 33896 41627 ... 17650 52214 11797 78346 000 000	CW	(RL)
M12	14581	6-6	0700	Thu	541 1	CW	(HFD)
M12	13481	6-6	0720	Thu	541 1	CW	(HFD)
M12	12181	6-6	0740	Thu	541 1	CW	(HFD)
M12	12162	6-6	1700	Thu	546 1 7523 109 72738 84899 80069 ... 38695 49611 76325 000 000	CW	(MPJ)
M12	11566	6-6	1720	Thu	546 1 7523 109 72738 84899 80069 ... 38695 49611 76325 000 000	CW	(MPJ)
M12	10711	6-6	1740	Thu	546 1 7523 109 72738 84899 80069 ... 38695 49611 76325 000 000	CW	(MPJ)
M12	12162	6-6	1800	Thu	546 1 1036 106 53078 28523 61996 ... 72013 09371 30001 000 000	CW	(MPJ)
M12	12162	6-6	1800	Thu	546 546 546 1 1036 106 1036 106 53078 28523 61996 ... 72013 09371 30001 000 000	CW	(AB)
M12	11566	6-6	1820	Thu	546 1 1036 106 53078 28523 61996 ... 72013 09371 30001 000 000	CW	(MPJ)
M12	11566	6-6	1820	Thu	546 546 546 1 1036 106 1036 106 53078 28523 61996 ... 72013 09371 30001 000 000	CW	(AB)
M12	10711	6-6	1840	Thu	546 546 546 1 1036 106 1036 106 53078 28523 61996 ... 72013 09371 30001 000 000	CW	(AB)
M12	10711	6-6	1840	Thu	546 1 1036 106 53078 28523 61996 ... 72013 09371 30001 000 000	CW	(AB/MPJ)
M12	13384	7-6	1210	Fri	314 1 5950 53 58636 84278 97659 ... 98475 99665 68216 000 000	CW	(MPJ)
M12	12184	7-6	1230	Fri	314 1 5950 53 58636 84278 97659 ... 98475 99665 68216 000 000	CW	(MPJ)
M12	11484	7-6	1250	Fri	314 1 5950 53 58636 84278 97659 ... 98475 99665 68216 000 000	CW	(MPJ)

M12	11144	7-6	2100	Fri	153 153 153 1 5312 53 5312 53 00568 39489 71902 ... 08428 39184 49747 000 000	CW	(AB)
M12	10544	7-6	2120	Fri	153 153 153 1 5312 53 5312 53 00568 39489 71902 ... 08428 39184 49747 000 000	CW	(AB)
M12	9344	7-6	2140	Fri	153 153 153 1 5312 53 5312 53 00568 39489 71902 ... 08428 39184 49747 000 000	CW	(AB)
M12	8047	8-6	2000	Sat	463 463 463 1 3106 99 3106 99 61944 27767 15441 ... 10646 03200 39862 000 000	CW	(AB)
M12	6802	8-6	2020	Sat	463 463 463 1 3106 99 3106 99 61944 27767 15441 ... 10646 03200 39862 000 000	CW	(AB)
M12	5788	8-6	2040	Sat	463 463 463 1 3106 99 3106 99 61944 27767 15441 ... 10646 03200 39862 000 000	CW	(AB)
M12	11144	8-6	2100	Sat	153 153 153 1 5312 53 5312 53 00568 39489 71902 68154...78012 08428 39184 49747 000 000	CW	(RL/HFD)
M12	10544	8-6	2120	Sat	153 153 153 1 5312 53 5312 53 00568 39489 71902 68154...78012 08428 39184 49747 000 000	CW	(RL/HFD)
M12	9344	8-6	2140	Sat	153 153 153 1 5312 53 5312 53 00568 39489 71902 68154...78012 08428 39184 49747 000 000	CW	(RL/HFD)
M12	10223	8-6	2210	Sat	239 239 239 1 335 104 335 104 75900 10231 33896 41627...17650 52214 11797 78346 000 000	CW	(RL)
M12	9323	8-6	2230	Sat	239 239 239 1 335 104 335 104 75900 10231 33896 41627...17650 52214 11797 78346 000 000	CW	(RL)
M12	8023	8-6	2250	Sat	239 239 239 1 335 104 335 104 75900 10231 33896 41627...17650 52214 11797 78346 000 000	CW	(RL)
M12	16117	10-6	1400	Mon	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(AB/MPJ)
M12	14717	10-6	1420	Mon	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(AB/MPJ)
M12	13417	10-6	1440	Mon	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(AB/MPJ)
M12	11435	10-6	1710	Mon	938 938 938 1 7052 107 7052 107 54894 50381 69738 ... 60984 96935 31234 000 000	CW	(AB/MPJ)
M12	10598	10-6	1730	Mon	938 938 938 1 7052 107 7052 107 54894 50381 69738 ... 60984 96935 31234 000 000	CW	(AB/MPJ)
M12	9327	10-6	1750	Mon	938 938 938 1 7052 107 7052 107 54894 50381 69738 ... 60984 96935 31234 000 000	CW	(AB/MPJ)
M12	8047	10-6	1800	Mon	463 463 463 1 8789 96 8789 96 07010 43506 17302 ... 13689 69193 75723 000 000	CW	(AB/MPJ)
M12	6802	10-6	1820	Mon	463 463 463 1 8789 96 8789 96 07010 43506 17302 ... 13689 69193 75723 000 000	CW	(AB/MPJ)
M12	5788	10-6	1840	Mon	463 463 463 1 8789 96 8789 96 07010 43506 17302 ... 13689 69193 75723 000 000	CW	(AB/MPJ)
M12	10343	10-6	2000	Mon	124 124 124 1 8961 101 8961 101 08121 94580 81569 ... 90657 33994 48478 000 000	CW	(AB/RL)
M12	9264	10-6	2020	Mon	124 124 124 1 8961 101 8961 101 08121 94580 81569 ... 90657 33994 48478 000 000	CW	(AB/RL)
M12	8116	10-6	2040	Mon	124 124 124 1 8961 101 8961 101 08121 94580 81569 ... 90657 33994 48478 000 000	CW	(AB/RL)
M12	9317	11-6	0530	Tue	135 135 135 1 1123 109 1123 109 06170 38972 13647 ... 14561 86177 68636 000 000	CW	(AB)
M12	10484	11-6	0550	Tue	135 135 135 1 1123 109 1123 109 06170 38972 13647 ... 14561 86177 68636 000 000	CW	(AB)
M12	11552	11-6	0610	Tue	135 135 135 1 1123 109 1123 109 06170 38972 13647 ... 14561 86177 68636 000 000	CW	(AB)
M12	11435	11-6	1800	Tue	938 938 938 1 5339 110 5339 110 33003 91466 90013 ... 93982 85885 21603 000 000	CW	(AB)
M12	10598	11-6	1820	Tue	938 938 938 1 5339 110 5339 110 33003 91466 90013 ... 93982 85885 21603 000 000	CW	(AB)
M12	9327	11-6	1840	Tue	938 938 938 1 5339 110 5339 110 33003 91466 90013 ... 93982 85885 21603 000 000	CW	(AB)
M12	13384	12-6	1210	Wed	314 314 314 1 5950 53 5950 53 58636 84278 97659 ... 98475 99665 68216 000 000	CW	(AB/MPJ)
M12	12184	12-6	1230	Wed	314 314 314 1 5950 53 5950 53 58636 84278 97659 ... 98475 99665 68216 000 000	CW	(AB/MPJ)
M12	11484	12-6	1250	Wed	314 314 314 1 5950 53 5950 53 58636 84278 97659 ... 98475 99665 68216 000 000	CW	(AB/MPJ)
M12	16117	12-6	1400	Wed	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(AB/MPJ)
M12	14717	12-6	1420	Wed	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(AB/MPJ)
M12	13417	12-6	1440	Wed	174 174 174 1 5130 245 5130 245 83390 72839 05121 ... 25537 64478 23002 000 000	CW	(AB/MPJ)
M12	12162	12-6	1710	Wed	546 546 546 1 4836 104 4836 104 26007 46667 97186 ... 17872 74776 60541 000 000	CW	(AB/MPJ)
M12	11566	12-6	1730	Wed	546 546 546 1 4836 104 4836 104 26007 46667 97186 ... 17872 74776 60541 000 000	CW	(AB/MPJ)
M12	10711	12-6	1750	Wed	546 546 546 1 4836 104 4836 104 26007 46667 97186 ... 17872 74776 60541 000 000	CW	(AB/MPJ)

M12	16217	12-6	1950	Wed	284 284 284 000	CW	(AB/RL)
M12	14817	12-6	2010	Wed	284 284 284 000	CW	(AB/RL)
M12	10223	12-6	2210	Wed	239 239 239 1 6328 98 6328 98 82071 11131 74776 ... 14982 27387 02666 000 000	CW	(AB/RL)
M12	9323	12-6	2230	Wed	239 239 239 1 6328 98 6328 98 82071 11131 74776 ... 14982 27387 02666 000 000	CW	(AB/RL)
M12	8023	12-6	2250	Wed	239 239 239 1 6328 98 6328 98 82071 11131 74776 ... 14982 27387 02666 000 000	CW	(AB/RL)
M12	14581	13-6	0700	Thu	541 541 541 1 6048 80 6048 80 99493 55970 00772 ... 34078 04470 13443 000 000	CW	(AB-J)
M12	13481	13-6	0720	Thu	541 541 541 1 6048 80 6048 80 99493 55970 00772 ... 34078 04470 13443 000 000	CW	(AB-J)
M12	12181	13-6	0740	Thu	541 541 541 1 6048 80 6048 80 99493 55970 00772 ... 34078 04470 13443 000 000	CW	(AB-J)
M12	12162	13-6	1700	Thu	546 546 546 1 5016 106 5106 106 34732 37195 24680 ... 04164 01681 62173 000 000	CW	(AB/MPJ)
M12	11566	13-6	1720	Thu	546 546 546 1 5016 106 5106 106 34732 37195 24680 ... 04164 01681 62173 000 000	CW	(AB/MPJ)
M12	10711	13-6	1740	Thu	546 546 546 1 5016 106 5106 106 34732 37195 24680 ... 04164 01681 62173 000 000	CW	(AB/MPJ)
M12	12162	13-6	1800	Thu	546 546 546 1 1211 110 1211 110 81902 06533 43288 ... 04303 36912 50447 000 000	CW	(AB/MPJ)
M12	11566	13-6	1820	Thu	546 546 546 1 1211 110 1211 110 81902 06533 43288 ... 04303 36912 50447 000 000	CW	(AB/MPJ)
M12	10711	13-6	1840	Thu	546 546 546 1 1211 110 1211 110 81902 06533 43288 ... 04303 36912 50447 000 000	CW	(AB/MPJ)
M12	14493	13-6	2110	Thu	431 431 431 000	CW	(AB/RL)
M12	13393	13-6	2130	Thu	431 431 431 000	CW	(AB)
M12	13384	14-6	1210	Fri	314 314 314 1 5950 53 5950 53 58636 84278 97659 ... 98475 99665 68216 000 000	CW	(AB/MPJ)
M12	12184	14-6	1230	Fri	314 314 314 1 5950 53 5950 53 58636 84278 97659 ... 98475 99665 68216 000 000	CW	(AB/MPJ)
M12	11484	14-6	1250	Fri	314 314 314 1 5950 53 5950 53 58636 84278 97659 ... 98475 99665 68216 000 000	CW	(AB/MPJ)
M12	16217	14-6	1950	Fri	284 284 284 000	CW	(AB)
M12	14817	14-6	2010	Fri	284 284 284 000	CW	(AB)
M12	11144	14-6	2100	Fri	153 153 153 1 5312 53 5312 53 00568 39489 71902 ... 08428 39184 49747 000 000	CW	(AB/RL)
M12	10544	14-6	2120	Fri	153 153 153 1 5312 53 5312 53 00568 39489 71902 ... 08428 39184 49747 000 000	CW	(AB/RL)
M12	9344	14-6	2140	Fri	153 153 153 1 5312 53 5312 53 00568 39489 71902 ... 08428 39184 49747 000 000	CW	(AB/RL)
M12	11144	15-6	2100	Sat	153 153 153 1 5312 53 5312 53 00568 39489 71902 ... 08428 39184 49747 000 000	CW	(AB)
M12	10544	15-6	2120	Sat	153 153 153 1 5312 53 5312 53 00568 39489 71902 ... 08428 39184 49747 000 000	CW	(AB)
M12	9344	15-6	2140	Sat	153 153 153 1 5312 53 5312 53 00568 39489 71902 ... 08428 39184 49747 000 000	CW	(AB/RL)
M12	10223	15-6	2210	Sat	239 239 239 1 6328 98 6328 98 82071 11131 74776 ... 14982 27387 02666 000 000	CW	(AB/RL)
M12	9323	15-6	2230	Sat	239 239 239 1 6328 98 6328 98 82071 11131 74776 ... 14982 27387 02666 000 000	CW	(AB/RL)
M12	8023	15-6	2250	Sat	239 239 239 1 6328 98 6328 98 82071 11131 74776 ... 14982 27387 02666 000 000	CW	(AB/RL)
M12	15918	17-6	0210	Mon	989 1	CW	(HFD)
M12	14818	17-6	0230	Wed	989 1	CW	(HFD)
M12	13918	17-6	0250	Mon	989 1	CW	(HFD)
M12	16117	17-6	1400	Mon	174 174 174 000	CW	(AB/MPJ)
M12	14717	17-6	1420	Mon	174 174 174 000	CW	(AB/MPJ)
M12	11435	17-6	1710	Mon	938 938 938 1 3677 108 3677 108 62224 11742 02377 ... 00392 04024 37917 000 000	CW	(AB/MPJ)
M12	10598	17-6	1730	Mon	938 938 938 1 3677 108 3677 108 62224 11742 02377 ... 00392 04024 37917 000 000	CW	(AB/MPJ)
M12	9327	17-6	1750	Mon	938 938 938 1 3677 108 3677 108 62224 11742 02377 ... 00392 04024 37917 000 000	CW	(AB/MPJ)
M12	8047	17-6	1800	Mon	463 463 463 1 110 97 110 97 64039 55748 03247 ... 50828 60435 76546 000 000	CW	(AB/MPJ)

M12	6802	17-6	1820	Mon	463 463 463 1 110 97 110 97 64039 55748 03247 ... 50828 60435 76546 000 000	CW	(AB/MPJ)
M12	5788	17-6	1840	Mon	463 463 463 1 110 97 110 97 64039 55748 03247 ... 50828 60435 76546 000 000	CW	(AB/MPJ)
M12	10343	17-6	2000	Mon	124 124 124 1 1063 107 1063 107 12967 21650 34653 ... 90243 32063 83185 000 000	CW	(AB/RL)
M12	9264	17-6	2020	Mon	124 124 124 1 1063 107 1063 107 12967 21650 34653 ... 90243 32063 83185 000 000	CW	(AB)
M12	8116	17-6	2040	Mon	124 124 124 1 1063 107 1063 107 12967 21650 34653 ... 90243 32063 83185 000 000	CW	(AB)
M12	14493	17-6	2110	Mon	431 431 431 000	CW	(AB)
M12	13393	17-6	2130	Mon	431 431 431 000	CW	(AB/RL)
M12	11435	18-6	1800	Tue	938 938 938 1 3146 108 3146 108 69849 35791 19552 ... 91191 08325 92432 000 000	CW	(AB/MPJ)
M12	10598	18-6	1820	Tue	938 938 938 1 3146 108 3146 108 69849 35791 19552 ... 91191 08325 92432 000 000	CW	(AB/MPJ)
M12	9327	18-6	1840	Tue	938 938 938 1 3146 108 3146 108 69849 35791 19552 ... 91191 08325 92432 000 000	CW	(AB/MPJ)
M12	13384	19-6	1210	Wed	314 314 314 000	CW	(AB/MPJ)
M12	12184	19-6	1230	Wed	314 314 314 000	CW	(AB/MPJ)
M12	16117	19-6	1400	Wed	174 174 174 000	CW	(AB/MPJ)
M12	14717	19-6	1420	Wed	174 174 174 000	CW	(AB/MPJ)
M12	12162	19-6	1710	Wed	546 546 546 1 1104 105 1104 105 06865 03335 16923 ... 15653 08119 03984 000 000	CW	(AB/MPJ)
M12	11566	19-6	1730	Wed	546 546 546 1 1104 105 1104 105 06865 03335 16923 ... 15653 08119 03984 000 000	CW	(AB/MPJ)
M12	10711	19-6	1750	Wed	546 546 546 1 1104 105 1104 105 06865 03335 16923 ... 15653 08119 03984 000 000	CW	(AB/MPJ)
M12	16217	19-6	1950	Wed	284 284 284 000	CW	(AB)
M12	14817	19-6	2010	Wed	284 284 284 000	CW	(AB)
M12	10223	19-6	2210	Wed	239 239 239 1 7373 82 7373 82 02284 80225 13920 ... 03604 41711 25708 000 000	CW	(AB)
M12	9323	19-6	2230	Wed	239 239 239 1 7373 82 7373 82 02284 80225 13920 ... 03604 41711 25708 000 000	CW	(AB)
M12	8023	19-6	2250	Wed	239 239 239 1 7373 82 7373 82 02284 80225 13920 ... 03604 41711 25708 000 000	CW	(AB)
M12	14581	20-6	0700	Thu	541 541 541 000	CW	(AB-J)
M12	13481	20-6	0720	Thu	541 541 541 000	CW	(AB-J)
M12	12162	20-6	1700	Thu	546 546 546 1 6085 106 6085 106 55668 13718 72232 ... 31194 25022 84944 000 000	CW	(AB/MPJ)
M12	11566	20-6	1720	Thu	546 546 546 1 6085 106 6085 106 55668 13718 72232 ... 31194 25022 84944 000 000	CW	(AB/MPJ)
M12	10711	20-6	1740	Thu	546 546 546 1 6085 106 6085 106 55668 13718 72232 ... 31194 25022 84944 000 000	CW	(AB/MPJ)
M12	12162	20-6	1800	Thu	546 546 546 1 9554 109 9554 109 98487 30620 86235 ... 72707 96287 44547 000 000	CW	(AB/MPJ)
M12	11566	20-6	1820	Thu	546 546 546 1 9554 109 9554 109 98487 30620 86235 ... 72707 96287 44547 000 000	CW	(AB/MPJ)
M12	10711	20-6	1840	Thu	546 546 546 1 9554 109 9554 109 98487 30620 86235 ... 72707 96287 44547 000 000	CW	(AB/MPJ)
M12	14377	20-6	2000	Thu	317 317 317 1 8256 107 8256 107 05727 67631 89275 ... 75673 11900 35382 000 000	CW	(AB)
M12	13461	20-6	2020	Thu	317 317 317 1 8256 107 8256 107 05727 67631 89275 ... 75673 11900 35382 000 000	CW	(AB)
M12	12114	20-6	2040	Thu	317 317 317 1 8256 107 8256 107 05727 67631 89275 ... 75673 11900 35382 000 000	CW	(AB)
M12	14493	20-6	2110	Thu	431 431 431 000	CW	(AB)
M12	13393	20-6	2130	Thu	431 431 431 000	CW	(AB)
M12	13384	21-6	1210	Fri	314 314 314 000	CW	(AB/MPJ)
M12	12184	21-6	1230	Fri	314 314 314 000	CW	(AB/MPJ)
M12	16217	21-6	1950	Fri	284 284 284 000	CW	(AB/RL)
M12	14817	21-6	2010	Fri	284 284 284 000	CW	(AB/RL)

M12	11144	21-6	2100	Fri	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB/RL)
M12	10544	21-6	2120	Fri	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB/RL)
M12	9344	21-6	2140	Fri	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB/RL)
M12	8047	22-6	2000	Sat	463 463 463 1 1401 91 1401 91 28223 08147 ... 87557 66644 17869 000 000	CW	(AB)
M12	6802	22-6	2020	Sat	463 463 463 1 1401 91 1401 91 28223 08147 ... 87557 66644 17869 000 000	CW	(AB)
M12	5788	22-6	2040	Sat	463 463 463 1 1401 91 1401 91 28223 08147 ... 87557 66644 17869 000 000	CW	(AB)
M12	11144	22-6	2100	Sat	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB)
M12	10544	22-6	2120	Sat	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB)
M12	9344	22-6	2140	Sat	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB)
M12	10223	22-6	2210	Sat	239 239 239 1 7373 82 7373 82 02284 80225 13920 ... 03604 41711 25708 000 000 Stopped and restarted after 3 minutes	CW	(AB)
M12	9323	22-6	2230	Sat	239 239 239 1 7373 82 7373 82 02284 80225 13920 ... 03604 41711 25708 000 000	CW	(AB)
M12	8023	22-6	2250	Sat	239 239 239 1 7373 82 7373 82 02284 80225 13920 ... 03604 41711 25708 000 000	CW	(AB)
M12	16117	24-6	1400	Mon	174 174 174 1 121 78 121 78 14492 86971 36717 ... 25341 80530 30506 000 000	CW	(AB/MPJ)
M12	14717	24-6	1420	Mon	174 174 174 1 121 78 121 78 14492 86971 36717 ... 25341 80530 30506 000 000	CW	(AB/MPJ)
M12	13417	24-6	1440	Mon	174 174 174 1 121 78 121 78 14492 86971 36717 ... 25341 80530 30506 000 000	CW	(AB/MPJ)
M12	11435	24-6	1710	Mon	938 938 938 1 8335 108 8335 108 38330 14134 81859 ... 07136 53511 87739 000 000	CW	(AB/MPJ)
M12	10598	24-6	1730	Mon	938 938 938 1 8335 108 8335 108 38330 14134 81859 ... 07136 53511 87739 000 000	CW	(AB/MPJ)
M12	9327	24-6	1750	Mon	938 938 938 1 8335 108 8335 108 38330 14134 81859 ... 07136 53511 87739 000 000	CW	(AB/MPJ)
M12	8047	24-6	1800	Mon	463 1 6735 99 20208 81376 13162 ... 58598 55599 98815 000 000	CW	(MPJ)
M12	6802	24-6	1820	Mon	463 1 6735 99 20208 81376 13162 ... 58598 55599 98815 000 000	CW	(MPJ)
M12	5788	24-6	1840	Mon	463 1 6735 99 20208 81376 13162 ... 58598 55599 98815 000 000	CW	(MPJ)
M12	10343	24-6	2000	Mon	124 124 124 1 2570 104 2570 104 71905 34538 55643 ... 40282 88298 23526 000 000	CW	(AB)
M12	9264	24-6	2020	Mon	124 124 124 1 2570 104 2570 104 71905 34538 55643 ... 40282 88298 23526 000 000	CW	(AB)
M12	8116	24-6	2040	Mon	124 124 124 1 2570 104 2570 104 71905 34538 55643 ... 40282 88298 23526 000 000	CW	(AB)
M12	11435	25-6	1800	Tue	938 938 938 1 9402 104 9402 104 35367 92020 47552 ... 69666 08380 16693 000 000	CW	(AB/MPJ)
M12	10598	25-6	1820	Tue	938 938 938 1 9402 104 9402 104 35367 92020 47552 ... 69666 08380 16693 000 000	CW	(AB/MPJ)
M12	9327	25-6	1840	Tue	938 938 938 1 9402 104 9402 104 35367 92020 47552 ... 69666 08380 16693 000 000	CW	(AB/MPJ)
M12	13384	26-6	1210	Wed	314 314 314 000	CW	(AB/MPJ)
M12	12184	26-6	1230	Wed	314 314 314 000	CW	(AB/MPJ)
M12	16117	26-6	1400	Wed	174 174 174 1 121 78 121 78 14492 86971 36717 ... 25341 80530 30506 000 000	CW	(AB)
M12	14717	26-6	1420	Wed	174 174 174 1 121 78 121 78 14492 86971 36717 ... 25341 80530 30506 000 000	CW	(AB)
M12	13417	26-6	1440	Wed	174 174 174 1 121 78 121 78 14492 86971 36717 ... 25341 80530 30506 000 000	CW	(AB)
M12	12162	26-6	1710	Wed	546 546 546 1 2929 112 2929 112 11292 31384 92525 ... 67434 99321 54117 000 000	CW	(AB/MPJ)
M12	11566	26-6	1730	Wed	546 546 546 1 2929 112 2929 112 11292 31384 92525 ... 67434 99321 54117 000 000	CW	(AB/MPJ)
M12	10711	26-6	1750	Wed	546 546 546 1 2929 112 2929 112 11292 31384 92525 ... 67434 99321 54117 000 000	CW	(AB/MPJ)
M12	16217	26-6	1950	Wed	284 284 284 000	CW	(AB/RL)
M12	14817	26-6	2010	Wed	284 284 284 000	CW	(AB/RL)
M12	10223	26-6	2210	Wed	239 239 239 1 101 70 101 70 64246 18612 74246 ... 47377 08297 06899 000 000	CW	(AB/RL)

M12	9323	26-6	2230	Wed	239 239 239 1 101 70 101 70 64246 18612 74246 ... 47377 08297 06899 000 000	CW	(AB/RL)
M12	8023	26-6	2250	Wed	239 239 239 1 101 70 101 70 64246 18612 74246 ... 47377 08297 06899 000 000	CW	(AB/RL)
M12	14581	27-6	0700	Thu	541 541 541 000	CW	(AB-J)
M12	13481	27-6	0720	Thu	541 541 541 000	CW	(AB-J)
M12	12162	27-6	1700	Thu	546 546 546 1 8545 110 8545 110 27047 75153 29146 ... 42661 26208 60778 000 000	CW	(AB/MPJ)
M12	11566	27-6	1720	Thu	546 546 546 1 8545 110 8545 110 27047 75153 29146 ... 42661 26208 60778 000 000	CW	(AB/MPJ)
M12	10711	27-6	1740	Thu	546 546 546 1 8545 110 8545 110 27047 75153 29146 ... 42661 26208 60778 000 000	CW	(AB/MPJ)
M12	12162	27-6	1800	Thu	546 546 546 1 8989 109 8989 109 09044 82770 41222 ... 80093 50129 56380 000 000	CW	(AB)
M12	11566	27-6	1820	Thu	546 546 546 1 8989 109 8989 109 09044 82770 41222 ... 80093 50129 56380 000 000	CW	(AB)
M12	10711	27-6	1840	Thu	546 546 546 1 8989 109 8989 109 09044 82770 41222 ... 80093 50129 56380 000 000	CW	(AB)
M12	14377	27-6	2000	Thu	317 317 317 1 6391 103 6391 103 24091 01904 88521 ... 17406 16592 14930 000 000	CW	(AB)
M12	13461	27-6	2020	Thu	317 317 317 1 6391 103 6391 103 24091 01904 88521 ... 17406 16592 14930 000 000	CW	(AB)
M12	12114	27-6	2040	Thu	317 317 317 1 6391 103 6391 103 24091 01904 88521 ... 17406 16592 14930 000 000	CW	(AB)
M12	14493	27-6	2110	Thu	431 431 431 000	CW	(AB)
M12	13393	27-6	2130	Thu	431 431 431 000	CW	(AB/RL)
M12	13384	28-6	1210	Fri	314 314 314 000	CW	(AB/SP1/MPJ)
M12	12184	28-6	1230	Fri	314 314 314 000	CW	(AB/SP1/MPJ)
M12	16217	28-6	1950	Fri	284 284 284 000	CW	(AB/RL)
M12	14817	28-6	2010	Fri	284 284 284 000	CW	(AB/RL)
M12	11144	28-6	2100	Fri	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB/SP1/RL)
M12	10544	28-6	2120	Fri	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB/SP1/RL)
M12	9344	28-6	2140	Fri	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB/RL)
M12	8047	29-6	2000	Sat	463 463 463 1 6356 93 6356 93 83076 26293 40268 ... 65826 20331 33072 000 000	CW	(AB)
M12	6802	29-6	2020	Sat	463 463 463 1 6356 93 6356 93 83076 26293 40268 ... 65826 20331 33072 000 000	CW	(AB)
M12	5788	29-6	2040	Sat	463 463 463 1 6356 93 6356 93 83076 26293 40268 ... 65826 20331 33072 000 000	CW	(AB)
M12	11144	29-6	2100	Sat	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB)
M12	10544	29-6	2120	Sat	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB)
M12	9344	29-6	2140	Sat	153 153 153 1 9534 190 9534 190 34893 44867 97658 ... 95503 62247 99552 000 000	CW	(AB)
M12	10223	29-6	2210	Sat	239 239 239 1 101 70 101 70 64246 18612 74246 ... 47377 08297 06899 000 000	CW	(AB/RL/HFD)
M12	9323	29-6	2230	Sat	239 239 239 1 101 70 101 70 64246 18612 74246 ... 47377 08297 06899 000 000	CW	(AB/RL/HFD)
M12	8023	29-6	2250	Sat	239 239 239 1 101 70 101 70 64246 18612 74246 ... 47377 08297 06899 000 000	CW	(AB/RL/HFD)
M14	6953	4-6	1600	Tue	239 239 239 00000	MCW	(MPJ)
M14	7605	7-6	1900	Fri	735 735 735 00000	MCW	(AB/MPJ/HFD)
M14	6876	7-6	2000	Fri	735 735 735 00000	CW	(HFD)
M14	6856	11-6	1820	Tue	163 321 321 42 42 = = 10774 91670 45912 ... 81980 38525 93164 = = 321 21 42 42 00000	MCW	(AB/MPJ)
M14	5938	12-6	1920	Wed	417 321 321 42 42 = = 10774 91670 45912 ... 81980 38525 93164 = = 321 321 42 42 00000	MCW	(AB/MPJ)
M14	4730	15-6	0800	Sat	523 562 562 42 42 = = 93164 38525 81980 ... 84279 63253 66870 = = 562 562 42 42 00000	MCW	(AB-POL)
M14	4730	15-6	0814	Sat	Test: 834	MCW	(AB-POL)
M14	4650	15-6	0900	Sat	523 562 562 42 42 = = 93164 38525 81980 ... 84279 63253 66870 = = 562 562 42 42 00000	MCW	(AB-POL)

M14	6953	18-6	1600	Tue	239 239 239 00000	MCW	(MPJ)
M14	7390	19-6	1510	Wed	Test: 96559 75032 923970	MCW	(AB)
M14	7390	19-6	1512	Wed	Test: 73326 50526 68555 65168 65353 82356 12953 583	MCW	(AB)
M14	7390	19-6	1600	Wed	239 239 239 00000	MCW	(AB/MPJ/HFD)
M14	7605	21-6	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	6876	21-6	2000	Fri	735 735 735 00000	MCW	(AB)
M14	4730	22-6	0800	Sat	523 485 485 43 43 == 37568 73582 12845 ... 25364 72537 15726 == 485 485 43 43 00000	MCW	(AB-POL)
M14	4650	22-6	0900	Sat	523 485 485 43 43 == 37568 73582 12845 ... 25364 72537 15726 == 485 485 43 43 00000	MCW	(AB-POL)
M14	6856	25-6	1820	Tue	163 562 562 42 42 == 93164 38525 81980 ... 84279 63253 66870 == 562 562 42 42 00000	MCW	(AB/MPJ)
M14	5928	26-6	1920	Wed	417 562 562 42 42 == 93164 38525 81980 ... 84279 63253 66870 == 562 562 42 42 00000	MCW	(AB/MPJ)
M14	4730	29-6	0800	Sat	523 562 562 42 42 == 93164 38525 81980 ... 84279 63253 66870 == 562 562 42 42 00000	MCW	(AB-POL)
M14	4650	29-6	0900	Sat	523 562 562 42 42 == 93164 38525 81980 ... 84279 63253 66870 == 562 562 42 42 00000	MCW	(AB-POL)
M21	9144	14-6	0635	Fri	=99?0936?9????? =99?0938?9????? =99?0940?9?????	CW	(F5JBR-J)
M21	6843.5	16-6	0622	Sun	=990922??0????? =990923??0????? =990924??0?????	CW	(F5JBR-J)
M21	3369	17-6	1708	Mon	=99?2008?9????? =99?2010?9????? =99?2012?9?????	CW	(F5JBR-J)
M21	5156	19-6	1152	Wed	=991452??0????? =991453??0????? =991454??0?????	CW	(F5JBR-J)
M21	5156	22-6	1655	Sat	Russian Air Defense =991955??0????? =991956??0????? =991957??0?????	CW	(F5JBR-J)
M21	4613	22-6	1747	Sat	Russian Air Defense =992045??0????? =992046??0????? =992047??0?????	CW	(F5JBR-J)
M22	6607	16-6	1705	Sun	VVV 4XZ 4XZ == TR AR NW QTC 1 NR 353 == NR 353 KL V IO4J 04161 WW4M GR 91 == WAMWL YQLDG EWLRY QORPO HYGAC ... AR AR	CW	(AB)
M23	5345	12-6	1458	Wed	222 (R12)	CW	(AB)
M23	5345	13-6	1458	Thu	222 (R12)	CW	(AB)
M23	5345	14-6	1428	Fri	222 (R12)	CW	(AB/BR)
M23	5345	14-6	1458	Fri	222 (R12)	CW	(AB/BR)
M23	5345	14-6	1528	Fri	222 (R12)	CW	(AB/BR)
M23	5345	15-6	1428	Sat	222 (R12)	CW	(AB)
M23	5345	15-6	1458	Sat	222 (R12)	CW	(AB)
M23	5345	15-6	1528	Sat	222 (R12)	CW	(AB)
M23	5345	16-6	1428	Sun	222 (R12)	CW	(AB)
M23	5345	16-6	1458	Sun	222 (R12)	CW	(AB)
M23	5345	16-6	1528	Sun	222 (R12)	CW	(AB)
M23	5345	17-6	1428	Mon	222 (R12)	CW	(AB)
M23	5345	17-6	1458	Mon	222 (R12)	CW	(AB)
M23	5345	17-6	1528	Mon	222 (R12)	CW	(AB)
M23	5345	18-6	1428	Tue	222 (R12)	CW	(BR)
M23	5345	18-6	1458	Tue	222 (R12)	CW	(BR)
M23	5345	18-6	1528	Tue	222 (R12)	CW	(BR)
M23	5345	19-6	1428	Wed	222 (R12)	CW	(AB)
M23	5345	19-6	1458	Wed	222 (R12)	CW	(AB)

M23	5345	19-6	1528	Wed	222 (R12)	CW	(AB)
M32	5437	6-6	0935	Thu	XXX XXX WEGI WEGI 84016 SOLXFATARA 0020 6061 K	CW	(Gwr)
M32	5437	6-6	0935	Thu	XXX XXX WEGI WEGI 84016 SOLXFATARA 0020 6061 K	CW	(Gwr)
M32	5436	17-6	1037	Mon	XXX XXX WEGI WEGI 43858 KRINOFAJL 6319 8365 K	CW	(Gwr)
M32	5436	17-6	1126	Mon	XXX XXX WEGI WEGI 34564 MIKRORAJON 5567 5735	CW	(Gwr)
M32	12593	19-6	0900	Wed	XXX XXX C1OB C1OB 51971 WAKODYM 2917 1735 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	0900	Wed	XXX XXX C1OB C1OB 51971 WAKODYM 2917 1735 on 12593//13396//14108 kHz	CW	(JU)
M32	5437	19-6	0903	Wed	XXX XXX C1OB C1OB 51971 GAKODYM 2917 1735 K	CW	(Gwr)
M32	14552	19-6	0905	Wed	XXX XXX C1OB C1OB 32741 AFFEKTIWNYJ 5552 5291	CW	(JU)
M32	14552	19-6	0905	Wed	XXX XXX C1OB C1OB 32741 AFFEKTIWNYJ 5552 5291	CW	(JU)
M32	12593	19-6	0908	Wed	XXX XXX C1OB C1OB 00517 BORTNIK 6175 8512 PRYQOZOW 2128 3553 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	0908	Wed	XXX XXX C1OB C1OB 00517 BORTNIK 6175 8512 PRYQOZOW 2128 3553 on 12593//13396//14108 kHz	CW	(JU)
M32	5416	19-6	0915	Wed	XXX XXX ONG4 ONG4 55803 MEDOWLET 1992 4874 K	CW	(Gwr)
M32	14552	19-6	0929	Wed	WLHN WLHN 07546 UMOMETR 6448 2371 OeIHOSPID 2328 7894	CW	(JU)
M32	14552	19-6	0929	Wed	WLHN WLHN 07546 UMOMETR 6448 2371 OeIHOSPID 2328 7894	CW	(JU)
M32	5437	19-6	0930	Wed	XXX XXX WLHN WLHN 07546 UMOETR 6448 2371 ChiHOSPIG 2328 7894	CW	(Gwr)
M32	5416	19-6	0939	Wed	XXX XXX ONG4 ONG4 65950 APISOFOND 7304 6332 K	CW	(Gwr)
M32	12593	19-6	1005	Wed	XXX XXX C1OB C1OB 29980 TRILOBIT 9270 2151 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	1005	Wed	XXX XXX C1OB C1OB 29980 TRILOBIT 9270 2151 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	1050	Wed	XXX XXX H2TM H2TM 42344 ASPEKTNYJ 5313 3083 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	1050	Wed	XXX XXX H2TM H2TM 42344 ASPEKTNYJ 5313 3083 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	1055	Wed	XXX XXX H2TM H2TM 34918 WSTAWANXE 1191 9026 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	1055	Wed	XXX XXX H2TM H2TM 34918 WSTAWANXE 1191 9026 on 12593//13396//14108 kHz	CW	(JU)
M32	5293	19-6	1058	Wed	XXX XXX H2TM H2TM 34918 WSTAWAN'E 1191 9026 K //5437 kHz	CW	(Gwr)
M32	5437	19-6	1058	Wed	XXX XXX H2TM H2TM 34918 WSTAWAN'E 1191 9026 K //5293 kHz	CW	(Gwr)
M32	12593	19-6	1058	Wed	XXX XXX 9U2W 9U2W 37331 IDOLODRAP 6152 6907 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	1058	Wed	XXX XXX 9U2W 9U2W 37331 IDOLODRAP 6152 6907 on 12593//13396//14108 kHz	CW	(JU)
M32	5293	19-6	1059	Wed	XXX XXX 9U2W 9U2W 37331 IDOLODRAP 6152 6907 K //5437 kHz	CW	(Gwr)
M32	5437	19-6	1059	Wed	XXX XXX 9U2W 9U2W 37331 IDOLODRAP 6152 6907 K //5293 kHz	CW	(Gwr)
M32	12593	19-6	1110	Wed	XXX XXX H2TM H2TM 65031 WYSYPNOJ 8568 9136 BRITANKA 2518 3834 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	1110	Wed	XXX XXX H2TM H2TM 65031 WYSYPNOJ 8568 9136 BRITANKA 2518 3834 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	1113	Wed	XXX XXX H2TM H2TM 12668 GANGOHLuEP 6633 4159 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	1113	Wed	XXX XXX H2TM H2TM 12668 GANGOHLuEP 6633 4159 on 12593//13396//14108 kHz	CW	(JU)
M32	5293	19-6	1115	Wed	XXX XXX H2TM H2TM 12668 GANGOHLyUP 6633 4159 K //5437 kHz	CW	(Gwr)
M32	5437	19-6	1115	Wed	XXX XXX H2TM H2TM 12668 GANGOHLyUP 6633 4159 K //5293 kHz	CW	(Gwr)

M32	12593	19-6	1130	Wed	XXX XXX C1OB C1OB 56725 GITOKOBE 4245 7370 on 12593//13396//14108 kHz	CW	(JU)
M32	12593	19-6	1130	Wed	XXX XXX C1OB C1OB 56725 GITOKOBE 4245 7370 on 12593//13396//14108 kHz	CW	(JU)
M32	5437	21-6	0908	Fri	XXX XXX TUZR TUZR 93464 084 = DDDDD XYuIKO RShYJZ MZLUS IRYHU MZLUS IRYHU MZLUS ... NKLNT DFZhRI WYYaPaPE = K	CW	(Gwr)
M32	5437	21-6	0918	Fri	XXX XXX TUZR TUZR 17907 ARABOROM 9879 6977 K	CW	(Gwr)
M32	5437	21-6	0921	Fri	XXX XXX TUZR TUZR 07827 BRODOHREN 6153 0118 POWREZhDENIE 3791 6834 K	CW	(Gwr)
M32	5437	21-6	0925	Fri	XXX XXX TUZR TUZR 89889 WWODOWTUZ 4209 2061 K	CW	(Gwr)
M32	5416	21-6	1421	Fri	XXX XXX ONG4 ONG4 32120 NOZhIK 0336 9581 K	CW	(Gwr)
M32	5416	21-6	1432	Fri	XXX XXX CSTShch CSTShch RGR79 RGR79 6262 5265 15924 ZUTOWOB 6182 5309 K	CW	(Gwr)
M32	5416	21-6	1436	Fri	XXX XXX SPSchL SPSchL 32120 WZDUWAN'E 7467 0954 K	CW	(Gwr)
M32	5416	21-6	1438	Fri	XXX XXX SPSchL SPSchL 53618 NOZhIK 0336 9581 K	CW	(Gwr)
M32	5416	21-6	1440	Fri	XXX XXX SPSchL SPSchL 53618 IDShOShLAG 0718 8805 K	CW	(Gwr)
M32	5416	21-6	1442	Fri	XXX XXX SPSchL SPSchL 82196 NAREChIE 1604 7261 K	CW	(Gwr)
M32	5416	21-6	1444	Fri	XXX XXX SPSchL SPSchL 96487 KOLYuShKA 2088 4803 K	CW	(Gwr)
M32	5416	21-6	1446	Fri	XXX XXX SPSchL SPSchL 28011 IDShOShLAG 0718 8805 K	CW	(Gwr)
M32	5416	21-6	1449	Fri	XXX XXX SPSchL SPSchL 13465 LIChNYJ 3362 0101 K	CW	(Gwr)
M32	5416	21-6	1451	Fri	XXX XXX SPSchL SPSchL 78657 ZAWUCh 8301 3765 K	CW	(Gwr)
M32	5416	21-6	1453	Fri	XXX XXX SPSchL SPSchL 11314 IGLEChIMYJ 7133 2523 INTR'ER 2353 0143 K	CW	(Gwr)
M32	5416	21-6	1456	Fri	XXX XXX SPSchL SPSchL 71406 ZODPIJ 3906 0157 K	CW	(Gwr)
M32	5416	21-6	1502	Fri	XXX XXX 4UFN 4UFN ShchEMW ShchEMW 276P 276P P4I4 P4I4 JZh3W JZh3W 54162 KISELEK 9846 7518 K	CW	(Gwr)
M32	5416	21-6	1505	Fri	XXX XXX SPSchL SPSchL 49271 MILOSTYN'KA 3856 1023 K	CW	(Gwr)
M32	5416	21-6	1507	Fri	XXX XXX CSTShch CSTShch X2KU X2KU 48436 ZUDOLOB 6182 5309 K	CW	(Gwr)
M32	5416	21-6	1509	Fri	XXX XXX SPSchL SPSchL 69827 KOTOGIK 1627 5003 K	CW	(Gwr)
M32	5416	21-6	1511	Fri	XXX XXX SPSchL SPSchL 31927 LICENZIAT 4667 9366 K	CW	(Gwr)
M32	16112	27-6	1125	Thu	u u u u XXX XXX KZJT KZJT 33915 45328 133 = 11111 44705 92222 ... 00413 19344 27026 = k //14411 kHz	CW	(JU)
M32a	3876	28-6	1757	Fri	i.p. AR DE RHI86 K	CW	(JPL-Sib)
M32c	8816	5-6	0612	Wed	rjc38 rjf94 de 54585 qto 0603 qrd XMWB XUMU qbd 0800 qre 0933 k. qth 15851 13214 qtr 0705 qbg 7900 k	CW	(WP3)
M32c	8816	6-6	2111	Thu	rjc38 rjf94 de 54585 qto 2000 qrd XLMD XUMU qbd 0730 qre 2315 k. qql ULWC 2047 qbg 7300 k	CW	(WP3)
M41	5037	20-6	1800	Thu	i.p. GPY1 GPY1 AR	CW	(F5JBR-J)
M41	5037	21-6	1800	Fri	GPY1 GPY1 AR	CW	(F5JNR-J)
M42	11160	18-6	1736	Tue	Russian diplo/intel.	Serdolik MFSK/OFDM/MFSK	(AB)
M42	13427	20-6	1351	Thu	Russian diplo/intel i.p.	Serdolik MFSK/OFDM/MFSK	(AB)
M42	10847	21-6	1241	Fri	Russian Intel i.p.	8x62.5Bd QPSK/250Bd BPSK	(AB)

M42	13397	23-6	1030	Sun	Russian Intel, Chita, wkg Russian Intel, Orenburg. 11100 60102 06320 23131 05009 + 5FGs and 11100 60102 84571 23132 05009 + 5LGs (QXS 14380 kHz)	RTTY 100/500	(Danix)
M42	14380	23-6	1030	Sun	Russian Intel, Orenburg wkg Russian Intel, Chita. i/p 5FGs and 11100 60102 12385 23132 05003 + 5LGs (QXS 13397 kHz)	RTTY 100/500	(Danix)
M42b	9056	15-6	0815	Sat	GKNM wkg 1 outstation. Message in FSK 50/500, opchat in CW	CW/FSK 50/500	(F5JBR-J)
M42b	5072	18-6	1505	Tue	V1SD wkg WO8N. QTC 5 QTC 5 = XXX FM 49653 FOR 49490 = 29493 77636 86635 45684 85164 90020 87934 82107 K	CW	(F5JBR-J)
M42b	7623	19-6	0603	Wed	CDXE wkg NCHA (collective callsign) and Outstations BCKL, N3C9, MG1X, AJ2L	CW	(F5JBR-J)
M42b	7623	19-6	0607	Wed	NCHA NCHA QTC 2 K. VVV QTC NR 143 30 19 0902 143 = 7743 = K = VVV CHVAR OOQMG ODSOL KBTPL ... K	CW	(F5JBR-J)
M42b	7623	19-6	0618	Wed	N3C9 de CDXE K. N3C9 de CDXE K. MG1X de CDXE K. MG1X de CDXE K. MG1X de CDXE RPT K	CW	(F5JBR-J)
M42b	7623	19-6	0623	Wed	BCKL de CDXE K. BCKL de CDXE K. BCKL de CDXE RPT NR K. AJ2L de CDXE K. AJ2L de CDXE K	CW	(F5JBR-J)
M42b	7623	19-6	0631	Wed	NCHA NCHA QTC2 K. VVV QTC NR 144 30 19 0922 1443 = 7743 = K	CW	(F5JBR-J)
M42b	7623	19-6	0635	Wed	NCHA NCHA QTC 2 K. VVV QTC NR 145 30 19 0934 145 = 7743 = K	CW	(F5JBR-J)
M42b	7623	19-6	0638	Wed	N3C9 de CDXE K. N3C9 de CDXE K. MG1X de CDXE K	CW	(F5JBR-J)
M42b	7623	19-6	0642	Wed	N3C9 de CDXE K. N3C9 de CDXE NR RPT K. N3C9 de CDXE R QRG K	CW	(F5JBR-J)
M42b	7623	19-6	0644	Wed	BCKL de CDXE K. BCKL de CDXE K	CW	(F5JBR-J)
M42b	7623	19-6	0816	Wed	NCHA NCHA SK SK. CQ NCHA SK SK	CW	(F5JBR-J)
M42b	5291	19-6	1731	Wed	D358 de 1R81 QSY 51625 K. QSA NO QAP	CW	(F5JBR-J)
M42b	9161	22-6	0910	Sat	W7AD wkg TI4O in CW and 50/500 RTTY. QXS 6807 kHz. RTTY traffic from Moscow: 273 180 22 0850 4782 = 14398 95095 41454 ... 00779 02233 00799	CW/FSK 50/500	(Danix)
M51a	3881	15-6	1112	Sat	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //6825 kHz	CW	(AB)
M51a	6825	15-6	1112	Sat	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //3881 kHz	CW	(AB)
M51a	3881	16-6	0645	Sun	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //6825 kHz	CW	(AB)
M51a	6825	16-6	0645	Sun	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //3881 kHz	CW	(AB)
M51a	3881	16-6	0900	Sun	VVV DE FAV22 QLH 3881/6825 KHZ DIMANCHE 5/LEÑON NUM ¶RO 1/1 VITESSE 420 COD ¶ = //6825 kHz	CW	(AB)
M51a	6825	16-6	0900	Sun	VVV DE FAV22 QLH 3881/6825 KHZ DIMANCHE 5/LEÑON NUM ¶RO 1/1 VITESSE 420 COD ¶ = //3881 kHz	CW	(AB)
M51a	3881	16-6	1020	Sun	VVV DE FAV22 QLH 3881/6825 KHZ DIMANCHE 5/LEÑON NUM ¶RO 1/2 VITESSE 600 COD ¶ = etc //6825 kHz	CW	(AB)
M51a	6825	16-6	1020	Sun	VVV DE FAV22 QLH 3881/6825 KHZ DIMANCHE 5/LEÑON NUM ¶RO 1/2 VITESSE 600 COD ¶ = etc //3881 kHz	CW	(AB)
M51a	3881	17-6	0715	Mon	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //6825 kHz	CW	(AB)
M51a	6825	17-6	0715	Mon	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //3881 kHz	CW	(AB)
M51a	3881	17-6	0900	Mon	VVV DE FAV22 QLH 3881/6825 KHZ LUNDI-LEÑON NUM ¶RO 21-1/1 VITESSE 420 COD ¶ = etc //6825 kHz	CW	(AB)
M51a	6825	17-6	0900	Mon	VVV DE FAV22 QLH 3881/6825 KHZ LUNDI-LEÑON NUM ¶RO 21-1/1 VITESSE 420 COD ¶ = etc //3881 kHz	CW	(AB)

M51a	3881	17-6	1130	Mon	VVV DE FAV22 QLH 3881/6825 KHZ LUNDI-LEÑON NUM ¶RO 21-2/1 VITESSE 420 COD ¶ = etc //6825 kHz	CW	(AB)
M51a	6825	17-6	1130	Mon	VVV DE FAV22 QLH 3881/6825 KHZ LUNDI-LEÑON NUM ¶RO 21-2/1 VITESSE 420 COD ¶ = etc //3881 kHz	CW	(AB)
M51a	3881	19-6	0830	Wed	VVV DE FAV22 QLH 3881/6825 KHZ Mercredi-Lepon numÚro 23-1/1 Vitesse 720 codÚ = ... Off just after the start of the 2nd message //6825 kHz	CW	(AB)
M51a	6825	19-6	0830	Wed	VVV DE FAV22 QLH 3881/6825 KHZ Mercredi-Lepon numÚro 23-1/1 Vitesse 720 codÚ = ... Off just after the start of the 2nd message //3881 kHz	CW	(AB)
M51a	3881	19-6	0915	Wed	Endles streams of 5-character groups composed of various M51a lessons. Then four messages after VVV DE FAV22 QLH 3881/6825 KHZ //6825 kHz	CW	(AB)
M51a	6825	19-6	0915	Wed	Endles streams of 5-character groups composed of various M51a lessons. Then four messages after VVV DE FAV22 QLH 3881/6825 KHZ //3881 kHz	CW	(AB)
M51a	3881	19-6	1130	Wed	VVV DE FAV22 FAV22 QLH 3881/6825 KHZ MERCREDI-LEÑON NUM ¶RO 23-2/1 VITESSE 720 COD ¶ = etc CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	6825	19-6	1130	Wed	VVV DE FAV22 FAV22 QLH 3881/6825 KHZ MERCREDI-LEÑON NUM ¶RO 23-2/1 VITESSE 720 COD ¶ = etc CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	19-6	1215	Wed	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION). //6825 kHz	CW	(AB)
M51a	6825	19-6	1215	Wed	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION). //3881 kHz	CW	(AB)
M51a	3881	20-6	0530	Thu	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION). //6825 kHz	CW	(AB)
M51a	6825	20-6	0530	Thu	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION). //3881 kHz	CW	(AB)
M51a	3881	20-6	0830	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages. CQ DE FAV22 VA	CW	(AB)
M51a	6825	20-6	0830	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages. CQ DE FAV22 VA	CW	(AB)
M51a	3881	20-6	1142	Thu	Started just before the end of message 24-2/2. Two more messages were sent, then marker SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION).	CW	(AB)
M51a	6825	20-6	1142	Thu	Started just before the end of message 24-2/2. Two more messages were sent, then marker SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION).	CW	(AB)
M51a	3881	21-6	0830	Fri	VVV DE FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	21-6	0830	Fri	VVV DE FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	21-6	1130	Fri	VVV DE FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	21-6	1130	Fri	VVV DE FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	22-6	0700	Sat	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	22-6	0700	Sat	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	22-6	0830	Sat	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	22-6	0830	Sat	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	24-6	0830	Mon	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA	CW	(AB)
M51a	6825	24-6	0830	Mon	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22	CW	(AB)

					VA		
M51a	3881	24-6	1130	Mon	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA	CW	(AB)
M51a	6825	24-6	1130	Mon	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA	CW	(AB)
M51a	3881	26-6	0830	Wed	VVV DE FAV22 QLH 3881/6825 KHZ followed by four messages //6825 kHz	CW	(AB)
M51a	6825	26-6	0830	Wed	VVV DE FAV22 QLH 3881/6825 KHZ followed by four messages //3881 kHz	CW	(AB)
M51a	3881	27-6	0830	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages. CQ DE FAV22 VA	CW	(AB)
M51a	6825	27-6	0830	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages. CQ DE FAV22 VA	CW	(AB)
M51a	3881	27-6	1130	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages. CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	27-6	1130	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages. CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	28-6	0830	Fri	VVV DE FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	28-6	0830	Fri	VVV DE FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	28-6	1130	Fri	VVV DE FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	28-6	1130	Fri	VVV DE FAV22 QLH 3881/6825 KHZ followed by 4 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	29-6	0700	Sat	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	29-6	0700	Sat	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	29-6	0820	Sat	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	29-6	0820	Sat	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	30-6	0700	Sun	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	30-6	0700	Sun	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	30-6	0820	Sun	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	30-6	0820	Sun	VVV DE FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51b	3881	27-6	0444	Thu	Endless 5-character messages: NVCMD CBSNW NSKKS NCNSW PLWOE CVCSB QYSUW NCPSL ALQKO 02365 ... //6825 kHz	CW	(AB)
M51b	6825	27-6	0444	Thu	Endless 5-character messages: NVCMD CBSNW NSKKS NCNSW PLWOE CVCSB QYSUW NCPSL ALQKO 02365 ... //3881 kHz	CW	(AB)
M51b	3881	27-6	0650	Thu	Endless 5-character messages //6825 kHz	CW	(AB)
M51b	6825	27-6	0650	Thu	Endless 5-character messages //3881 kHz	CW	(AB)
M89	6913	1-6	0944	Sat	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	1-6	0944	Sat	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5691	1-6	0946	Sat	V HFL2 (x3) DE M6NY (x2)	CW	(JPL)
M89	4131	1-6	1350	Sat	V JKDJ (x3) DE SLBC (x2) //4886	CW	(JPL)
M89	4886	1-6	1350	Sat	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	3156	1-6	1353	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)

M89	3597	1-6	1353	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	1-6	1355	Sat	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different round slip	CW	(JPL)
M89	4489	1-6	1355	Sat	V HFL2 (x3) DE M6NY (x2) //4192 sending different round slip	CW	(JPL)
M89	6913	6-6	0658	Thu	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	6-6	0658	Thu	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5691	6-6	0704	Thu	V HFL2 (x3) DE M6NY (x2)	CW	(JPL)
M89	5154	6-6	0709	Thu	i.p. 456T ATN5 4UDT 4N65 A63D 7DU4 ...	CW	(JPL)
M89	4635	6-6	0712	Thu	VV 6UCA 6UCA K QSL 1510 HR WK NR 319 K	CW	(JPL)
M89	3156	6-6	2016	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	6-6	2016	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4489	6-6	2018	Thu	V D72H (x3) DE 1HM4 (x2)	CW	(JPL)
M89	10383	14-6	0657	Fri	V D72H de 1HM4	CW	(F5JBR-J)
M89	3156	15-6	1321	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	15-6	1321	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	15-6	1328	Sat	V D72H (x3) DE 1HM4 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	15-6	1328	Sat	V HFL2 (x3) DE M6NY (x2) //4489 sending different roundslip	CW	(JPL)
M89	3156	15-6	1627	Sat	V 3JWV de QH4P //3597 kHz	CW	(F5JBR-J)
M89	3597	15-6	1627	Sat	V 3JWV de QH4P //3156 kHz	CW	(F5JBR-J)
M89	4192	15-6	1640	Sat	V D72H de 1HM4	CW	(F5JBR-J)
M89	4489	15-6	1719	Sat	V HFLU de M6NY	CW	(F5JBR-J)
M89	7397	16-6	0543	Sun	V 3JWV de QH4P	CW	(F5JBR-J)
M89	5818	16-6	1110	Sun	i.p. 516 1830 RMKS = 3921 TO 3922 AR K followed by a message and Chinese voice traffic	CW	(EW)
M89	3156	16-6	1153	Sun	V 3JWV (x3) DE QH4P (x2)	CW	(JPL)
M89	4192	16-6	1155	Sun	V D72H (x3) DE 1HM4 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	16-6	1155	Sun	V HFL2 (x3) DE M6NY (x2) //4489 sending different roundslip	CW	(JPL)
M89	6913	16-6	2305	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	16-6	2305	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	4192	16-6	2308	Sun	V D72H (x3) DE 1HM4 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	16-6	2308	Sun	V HFL2 (x3) DE M6NY (x2) //4489 sending different roundslip	CW	(JPL)
M89	4411	17-6	1500	Mon	i.p. LK5Y NR 0442/03 A2N3/Q4T9 AR QSY 09 QSY 09 AR VVV 1PXQ NR 0443/EX 03 = B2T3/V1N4 AR QSY 13 AR	CW	(F5JBR-J)
M89	3731	17-6	1642	Mon	KU5F wkg KD8S, 8UYT, NJ8D, C1CR, 6FWE. NR 1079/EX03 = 03C5/N42R AR. NR 1090 CK 61 19 0618 0033 RMKS =	CW	(F5JBR-J)
M89	5271	17-6	1722	Mon	H6QM wkg 8LRD. NR 4528 CK 41 27 06 18 0130 RMKS 9807 TO 6605 = message	CW	(F5JBR-J)
M89	4411	17-6	1800	Mon	i.p. QSY 06 QSY 06 VVV LK5Y NR 0453/EX04 02 = B3V1/N2T9 AR QSY 09 QSY 09	CW	(F5JBR-J)
M89	4131	18-6	1555	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4192	18-6	1713	Tue	V D72H (x3) DE 1HM4 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	18-6	1713	Tue	V HFL2 (x3) DE M6NY (x2) //4489 sending different roundslip. Sending HFLU vice HFL2	CW	(JPL)
M89	3156	18-6	1720	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)

M89	3597	18-6	1720	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	6913	19-6	0608	Wed	V 3JWV de QH4P //7397 kHz	CW	(F5JBR-J)
M89	7397	19-6	0608	Wed	V 3JWV de QH4P //6913 kHz	CW	(F5JBR-J)
M89	4186	19-6	1436	Wed	i.p. NR 061 K EEEE IEC = 7898 AR K (Normally used for exercises)	CW	(JPL)
M89	4956	19-6	1645	Wed	2UKN wkg IQAM	CW	(F5JBR-J)
M89	4433	19-6	1750	Wed	VVV L1TN NR0585/EX 04 TU =A6G9/K2B4 AR QSY 06 VVV L1TN NR 0584/EX 04 01 = G8K6/R9C2 AR QSY 02	CW	(F5JBR-J)
M89	4956	21-6	1834	Fri	UVE1 wkg 9ETI: HR MSG NR 0544 CK 41 23 06 22 0230 RMKS 8077 TO 7647 = TTUN DU36 A6AN (QX 4143 kHz)	CW	(F5JBR-J)
M89	4143	21-6	1838	Fri	9ETI wkg UVE1: QSL 0238 HR MSG GA NR 1751 CK 59 23 06 22 0230 RMKS 7647 TO 8077 = TUN6 DD4D BADN (QX 4956 kHz)	CW	(F5JBR-J)
M89	6913	25-6	0730	Tue	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	25-6	0730	Tue	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5691	25-6	0733	Tue	V HFL2 (x3) DE M6NY (x2) //10383 sending different roundslip	CW	(JPL)
M89	10383	25-6	0733	Tue	V D72H (x3) DE 1HM4 (x2) //5691 sending different roundslip	CW	(JPL)
M89	5177	25-6	1204	Tue	V JKDJ (x3) DE SLBC (x2) //11087	CW	(JPL)
M89	4192	25-6	1207	Tue	V HFL2 (x3) DE M6NY (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	25-6	1207	Tue	V D72H (x3) DE 1HM4 (x2) //4189 sending different roundslip	CW	(JPL)
M89	3156	25-6	1214	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	25-6	1214	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4205	25-6	1215	Tue	i.p. FF NR 1196/EX TIME 2015 = B6X7/Y3I5 AR	CW	(JPL)
M89	4222	25-6	1226	Tue	i.p. R R QSL 2025 2025 K R MSG GA K MSG GA K RPT 28W K	CW	(JPL)
M89	5691	28-6	0651	Fri	V HFL2 (x3) DE M6NY (x2) //10383 sending different roundslip	CW	(JPL)
M89	10383	28-6	0651	Fri	V D72H (x3) DE 1HM4 (x2) //5691 sending different roundslip	CW	(JPL)
M89	6913	28-6	0655	Fri	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	28-6	0655	Fri	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	4131	28-6	1810	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	28-6	1812	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	28-6	1812	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	28-6	1813	Fri	V D72H (x3) DE 1HM4 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	28-6	1813	Fri	V HFLU (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	4131	30-6	1944	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	30-6	1949	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	30-6	1949	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M95	5801	1-6	0936	Sat	i.p. CL/1800/Z=/4210/4387 AR QSL ? HR WK NR 160 V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	1-6	0936	Sat	i.p. CL/1800/Z=/4210/4387 AR QSL ? HR WK NR 160 V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3880	1-6	1400	Sat	7G GA K R NR NR NR 001/CCK CK 99 U4 T6TA UA5D RMKS 1234 TO 567D ...	CW	(JPL)
M95	8073	3-6	1132	Mon	BNGC DE XSV85 HR MSG GA PSE CY NR 0411 CK 181 35 0603 1550 = TT3 3U6 3AN 3U7 TAU ...	CW	(JPL)
M95	4243	3-6	1142	Mon	V HR 7G TO YR PSE CY NR 094 CK 54 35 0603 1547 = 5AA UTT TT3 3U6 3A4 TTU 773 ...	CW	(JPL)

M95	10180	6-6	0653	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	6-6	2024	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	6-6	2024	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	15-6	1315	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	15-6	1315	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	16-6	1149	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	16-6	1149	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4243	16-6	1158	Sun	i.p. 354 N3D 353 DN7 36T 4TN ... AR A HR UP SB WK AR AR //9054	CW	(JPL)
M95	4243	16-6	1158	Sun	Messages in Chinese. Female operator //9054	CW	(JPL)
M95	9054	16-6	1158	Sun	i.p. 354 N3D 353 DN7 36T 4TN ... AR A HR UP SB WK AR AR //4243	CW	(JPL)
M95	9054	16-6	1158	Sun	Messages in Chinese. Female operator //4243	CW	(JPL)
M95	3642	16-6	2300	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	16-6	2300	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	18-6	1550	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	18-6	1550	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	20-6	1432	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	20-6	1432	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	25-6	0725	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	25-6	1202	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	25-6	1202	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	10180	28-6	0648	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	28-6	1755	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	28-6	1755	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	30-6	1947	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	30-6	1947	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
MX	13257.7	13-6	0907	Thu	Beacon D, Sevastopol	CW	(AB)
MX	13257.9	13-6	0907	Thu	Beacon S, Sevoromorsk	CW	(AB)
MX	13257.7	20-6	0859	Thu	Beacon D, Sevastopol	CW	(AB)
MX	13527.9	20-6	0905	Thu	Beacon S, Sevoromorsk	CW	(AB)
MX	10872	20-6	0913	Thu	Beacon C, Moscow	CW	(AB)
MX	10872.1	20-6	0913	Thu	Beacon A, Astrakhan	CW	(AB)
MX	13528	20-6	0913	Thu	Beacon C, Moscow	CW	(AB)
MX	13528.1	20-6	0913	Thu	Beacon A, Astrakhan	CW	(AB)
MX	13528.4	20-6	0913	Thu	Beacon M, Magadan	CW	(AB-RUS)
MX	10872.4	27-6	0603	Thu	Beacon M, Magadan	CW	(AB-J)
MX	13528.3	27-6	0603	Thu	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-J)
MX	13528.4	27-6	0603	Thu	Beacon M, Magadan	CW	(AB-J)
MX	16332.4	27-6	0604	Thu	Beacon M, Magadan	CW	(AB-J)
MX	7039.4	27-6	0607	Thu	Beacon M, Magadan	CW	(AB-J)

MX	20048.3	27-6	0607	Thu	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-J)
MX	8495.3	27-6	0609	Thu	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-J)
MX	8495.4	27-6	0609	Thu	Beacon M, Magadan	CW	(AB-J)
MX	10871.7	27-6	0624	Thu	Beacon D, Sevastopol	CW	(AB)
MX	13527.7	27-6	0624	Thu	Beacon D, Sevastopol	CW	(AB)
MX	13527.9	27-6	0624	Thu	Beacon S, Sevoromorsk	CW	(AB)
MX	13528.1	27-6	0624	Thu	Beacon A, Astrakhan	CW	(AB)
MX	10872.4	27-6	0828	Thu	Beacon M, Magadan	CW	(AB-RUS)
MX	13428.2	27-6	0828	Thu	Beacon F, Vladivostok	CW	(AB-RUS)
MX	13428.4	27-6	0828	Thu	Beacon M, Magadan	CW	(AB-RUS)
MX	13528.3	27-6	0828	Thu	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-RUS)
MX	16332.2	27-6	0828	Thu	Beacon F, Vladivostok	CW	(AB-RUS)
MX	20048.3	27-6	0828	Thu	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-RUS)
MX	7039.2	27-6	0829	Thu	Beacon F, Vladivostok	CW	(AB-RUS)
MX	7039.3	27-6	0829	Thu	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-RUS)
MX	7039.4	27-6	0829	Thu	Beacon M, Magadan	CW	(AB-RUS)
MX	8495.4	27-6	0829	Thu	Beacon M, Magadan	CW	(AB-RUS)
P03a	7840	1-6	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	1-6	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	1-6	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	1-6	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	2-6	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	2-6	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	4840	2-6	1725	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	4840	2-6	1730	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	5-6	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	5-6	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	4840	9-6	1725	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	4840	9-6	1730	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	10-6	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	10-6	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	10-6	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	10-6	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	11-6	1415	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	11-6	1420	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	4840	11-6	1725	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	4840	11-6	1730	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	12-6	1225	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	12-6	1230	Wed	Polish intel.	BPSK-62.5Bd	(AB)

P03a	7840	12-6	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	12-6	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	12-6	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	12-6	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	12-6	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	12-6	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	13-6	1515	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	13-6	1520	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	14-6	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	14-6	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14769	14-6	1440	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14769	14-6	1445	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	14-6	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	14-6	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	14-6	1635	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	14-6	1640	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	15-6	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	15-6	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	15-6	1225	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	15-6	1230	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	15-6	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	15-6	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	15-6	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	15-6	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	16-6	0500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	16-6	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	16-6	1410	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	16-6	1415	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	16-6	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	16-6	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	17-6	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	17-6	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	17-6	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	17-6	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	19-6	1225	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	19-6	1230	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	19-6	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	19-6	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	19-6	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)

P03a	16125	19-6	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	20-6	1515	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	20-6	1520	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	21-6	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	21-6	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	21-6	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	21-6	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	21-6	1635	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	21-6	1640	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	22-6	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	22-6	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	22-6	1225	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	11107	22-6	1230	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	7840	22-6	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	22-6	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	22-6	1500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	22-6	1505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	22-6	1515	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	22-6	1520	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	22-6	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	22-6	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	23-6	0500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	23-6	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	23-6	1410	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	23-6	1415	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	23-6	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	23-6	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	24-6	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	24-6	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	24-6	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	24-6	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	26-6	1225	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	26-6	1230	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	26-6	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	26-6	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	26-6	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	26-6	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	26-6	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	26-6	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)

P03a	14972	27-6	1415	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	27-6	1420	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	27-6	1515	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	27-6	1520	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	28-6	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	28-6	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	28-6	1635	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	28-6	1640	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	29-6	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	29-6	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	29-6	1225	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	29-6	1230	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	29-6	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	29-6	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	29-6	1515	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	29-6	1520	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	29-6	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	29-6	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	30-6	0500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	30-6	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	30-6	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	30-6	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	30-6	1410	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	30-6	1415	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	30-6	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	30-6	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03b	8597	19-6	1120	Wed	Polish Intel.	QPSK-62.5Bd	(AB)
P03b	8597	19-6	1125	Wed	Polish Intel.	QPSK-62.5Bd	(AB)
P03b	8597	23-6	1120	Sun	Polish Intel.	QPSK-62.5Bd	(MPJ)
P03b	8597	23-6	1125	Sun	Polish Intel.	QPSK-62.5Bd	(MPJ)
P03b	8597	26-6	1120	Wed	Polish Intel.	QPSK-62.5Bd	(AB)
P03b	8597	26-6	1125	Wed	Polish Intel.	QPSK-62.5Bd	(AB)
P03c	6849	12-6	0430	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	12-6	0435	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	19-6	0430	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	19-6	0435	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	20-6	0430	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	20-6	0435	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	26-6	0430	Wed	Polish Intel.	BPSK 125Bd	(AB)

P03c	6849	26-6	0435	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	27-6	0430	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	27-6	0435	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03e	14415	23-6	1440	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	23-6	1445	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	28-6	1440	Fri	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	28-6	1445	Fri	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	30-6	1440	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	30-6	1445	Sun	Polish Intel.	QPSK 100Bd	(AB)
Q26	8073	3-6	1132	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	3-6	1142	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)
RMv	5372	6-6	1111	Thu	Vega-33 89499 ODYeROKLICh 7311 2614	USB	(Gwr)
RMv	5372	14-6	0840	Fri	Vega-33 02164 KONIK 6963 2078	USB	(Gwr)
RMv	5372	14-6	0848	Fri	Vega-33 09259 BORZOPISYeC 4429 2509	USB	(Gwr)
RMv	5372	19-6	0917	Wed	Vega-33 05712 MAYaKONYeUD 3667 2161	USB	(Gwr)
RMv	5372	19-6	0934	Wed	Vega-33 98767 NOZhOBER 7574 5733	USB	(Gwr)
RMv	5372	19-6	1006	Wed	Vega-33 70688 BOKOZhGUT 6870 6853	USB	(Gwr)
RMv	5372	19-6	1014	Wed	Vega-33 96523 BYeSTYeNYeVOJ 4687 8012	USB	(Gwr)
RMv	5372	19-6	1015	Wed	Vega-33 21189 LYeChYeBNICA 0426 6302	USB	(Gwr)
RMv	5372	19-6	1018	Wed	Vega-33 16457 AKTUARIJ 6718 8666	USB	(Gwr)
RMv	5372	19-6	1028	Wed	Vega-33 55333 LYuFTOZMYeJ 8399 6298	USB	(Gwr)
RMv	5372	19-6	1031	Wed	Vega-33 98173 LEPOSKID 5442 5327	USB	(Gwr)
RMv	5372	19-6	1035	Wed	Vega-33 01612 DZhUTOKRYaZh 0497 3058	USB	(Gwr)
RMv	5372	19-6	1049	Wed	Vega-33 45114 IZIBIRATYeL' 2400 3409	USB	(Gwr)
RMv	5372	19-6	1101	Wed	Vega-33 63733 NAPRYaZhYeNRIYe 1501 2177	USB	(Gwr)
RMv	5372	19-6	1135	Wed	Vega-33 49772 GLOBOIT 9413 6601 BOKOKRIT 8028 7051	USB	(Gwr)
RMv	5372	19-6	1139	Wed	Vega-33 12649 ZYeTOFISK 2790 0163	USB	(Gwr)
RMv	5372	19-6	1144	Wed	Vega-33 25715 NYeBOL'ShOJ 5117 6339	USB	(Gwr)
RMv	5372	19-6	1148	Wed	Vega-33 51099 VSTAVKA 2475 6428	USB	(Gwr)
RMv	5372	19-6	1151	Wed	Vega-33 21826 NYeBOL'ShOJ 2518 3834	USB	(Gwr)
RMv	5372	19-6	1153	Wed	Vega-33 53550 KLOPOVYeST 4288 9170	USB	(Gwr)
S06	13944	5-6	1510	Wed	ip ends 219/40 00000	USB	(HFD)
S06	11496	5-6	1600	Wed	387 546 22 11111 11111 00056 ...	USB	(HFD)
S06	16022	6-6	0830	Thu	842 175 44 60406 ...	USB	(HFD)
S06	13925	6-6	0930	Thu	842 ...	USB	(HFD)
S06	9336	7-6	2000	Fri	627 627 627 00000	USB	(HFD)
S06	7314	7-6	2100	Fri	627 627 627 00000	USB	(HFD)
S06	16022	20-6	0830	Thu	842 135 40 37697 88678 55775 ... 86584 26531 54226 135 40 00000	USB	(AB-CHN)
S06	13925	20-6	0930	Thu	842 135 40 37697 88678 55775 ... 86584 26531 54226 135 40 00000	USB	(AB-RUS)

S06	16022	21-6	0830	Fri	842 135 40 37697 88678 55775 ... 86584 26531 54226 135 40 00000	USB	(AB-CHN)
S06	13925	21-6	0930	Fri	842 135 40 37697 88678 55775 ... 86584 26531 54226 135 40 00000	USB	(AB-CHN)
S06	9336	21-6	2000	Fri	627 627 627 00000	USB	(AB)
S06	7314	21-6	2100	Fri	627 627 627 00000	USB	(AB)
S06	16022	27-6	0830	Thu	842 609 47 45556 16545 66242 ... 65744 69792 22631 609 47 00000	USB	(AB-RUS)
S06	13925	27-6	0930	Thu	842 609 47 45556 16545 66242 ... 65744 69792 22631 609 47 00000	USB	(AB-RUS)
S06	16022	28-6	0830	Fri	842 609 47 45556 16545 66242 ... 65744 69792 22631 609 47 00000	USB	(AB-J)
S06	13925	28-6	0930	Fri	842 609 47 45556 16545 66242 ... 65744 69792 22631 609 47 00000	USB	(AB-J)
S06s	12460	1-6	0800	Sat	254 879 6 42881 54814 38884 24421 40239 38792 879 6 00000	USB	(AB/HFD)
S06s	10250	1-6	0810	Sat	254 879 6 42881 54814 38884 24421 40239 38792 879 6 00000	USB	(AB/HFD)
S06s	10230	3-6	1200	Mon	831 972 5 33796 13577 14526 46647 69302 972 5 00000	USB	(MPJ)
S06s	12165	3-6	1210	Mon	831 972 5 33796 13577 14526 46647 69302 972 5 00000	USB	(MPJ)
S06s	4820	4-6	1000	Tue	893 524 6 88554 82045 36717 24042 75956 81670 524 6 00000	USB	(MPJ)
S06s	5660	4-6	1010	Tue	893 524 6 88554 82045 36717 24042 75956 81670 524 6 00000	USB	(MPJ)
S06s	6810	4-6	1100	Tue	754 980 6 54545 50128 99477 83574 48874 94031 980 6 00000	USB	(MPJ)
S06s	7560	4-6	1110	Tue	754 980 6 54545 50128 99477 83574 48874 94031 980 6 00000	USB	(MPJ)
S06s	6766	4-6	1500	Tue	537 901 6 96320 36793 53038 76342 15009 21816 901 6 00000	USB	(MPJ)
S06s	7744	4-6	1510	Tue	537 901 6 96320 36793 53038 76342 15009 21816 901 6 00000	USB	(MPJ)
S06s	13145	6-6	1200	Thu	425 801 6 88146 57856 98835 46186 16945 80744 801 6 00000	USB	(MPJ)
S06s	14535	6-6	1210	Thu	425 801 6 88146 57856 98835 46186 16945 80744 801 6 00000	USB	(MPJ)
S06s	10230	10-6	1200	Mon	831 972 5 33796 13577 74526 46647 79302 972 5 00000	USB	(MPJ)
S06s	12165	10-6	1210	Mon	831 972 5 33796 13577 74526 46647 79302 972 5 00000	USB	(MPJ)
S06s	6810	11-6	1100	Tue	754 980 6 54545 50128 99477 83574 48874 94031 980 6 00000	USB	(MPJ)
S06s	7560	11-6	1100	Tue	754 980 6 54545 50128 99477 83574 48874 94031 980 6 00000	USB	(MPJ)
S06s	6766	11-6	1500	Tue	537 901 6 96320 36793 53038 76342 15009 21816 901 6 00000	USB	(AB/MPJ)
S06s	7744	11-6	1510	Tue	537 901 6 96320 36793 53038 76342 15009 21816 901 6 00000	USB	(AB/MPJ)
S06s	14977	12-6	0740	Wed	745 209 6 34053 32546 33766 37399 32148 35819 209 6 00000	USB	(AB)
S06s	11565	12-6	0830	Wed	464 892 5 88620 58069 61732 74537 57440 892 5 00000	USB	(AB)
S06s	12560	12-6	0840	Wed	464 892 5 88620 58069 61732 74537 57440 892 5 00000	USB	(AB)
S06s	14580	12-6	1000	Wed	729 814 5 01405 15003 24357 60583 54545 814 5 00000	USB	(AB/MPJ)
S06s	16020	12-6	1010	Wed	729 814 5 01405 15003 24357 60583 54545 814 5 00000	USB	(AB/MPJ)
S06s	9255	13-6	0930	Thu	314 908 5 11171 64385 82707 06123 22536 908 5 00000	USB	(AB)
S06s	10325	13-6	0940	Thu	314 908 5 11171 64385 82707 06123 22536 908 5 00000	USB	(AB)
S06s	13145	13-6	1200	Thu	425 801 6 88146 57856 98835 46186 16945 80744 801 6 00000	USB	(AB/MPJ)
S06s	14535	13-6	1210	Thu	425 801 6 88146 57856 98835 46186 16945 80744 801 6 00000	USB	(AB/MPJ)
S06s	10290	14-6	0630	Fri	516 293 7 27184 26129 22982 83321 85246 22992 22529 293 7 00000	USB	(AB)
S06s	9655	14-6	0640	Fri	516 293 7 27184 26129 22982 83321 85246 22992 22529 293 7 00000	USB	(AB)
S06s	6844	14-6	0900	Fri	624 897 5 42990 22000 32968 25222 36880 897 5 00000	USB	(AB)
S06s	7161	14-6	0910	Fri	624 897 5 42990 22000 32968 25222 36880 897 5 00000	USB	(AB)

S06s	16320	17-6	0630	Mon	524 879 6 98058 55693 07628 61154 97511 24047 879 6 00000	USB	(AB)
S06s	14875	17-6	0640	Mon	524 879 6 98058 55693 07628 61154 97511 24047 879 6 00000	USB	(AB)
S06s	8221	17-6	0830	Mon	371 204 5 62795 74228 64661 44999 47730 204 5 00000	USB	(AB)
S06s	9353	17-6	0840	Mon	371 204 5 62795 74228 64661 44999 47730 204 5 00000	USB	(AB)
S06s	16381	17-6	0900	Mon	Distorted audio. Should be on 16380 kHz. 872 431 5 12444 31625 89531 52814 95931 431 5 00000	USB	(AB)
S06s	14836	17-6	0910	Mon	Distorted audio. Should be on 14535 kHz. 872 431 5 12444 31625 89531 52814 95931 431 5 00000	USB	(AB)
S06s	10230	17-6	1200	Mon	831 267 5 33445 69424 38167 05423 75458 267 5 00000	USB	(AB/MPJ)
S06s	12165	17-6	1210	Mon	831 267 5 33445 69424 38167 05423 75458 267 5 00000	USB	(AB/MPJ)
S06s	7365	18-6	0730	Tue	427 908 5 98058 55693 07628 61154 97511 908 5 00000	USB	(AB)
S06s	11655	18-6	0740	Tue	427 908 5 98058 55693 07628 61154 97511 908 5 00000	USB	(AB)
S06s	6810	18-6	1100	Tue	754 231 6 33445 69424 38167 05423 76458 59421 231 6 000000	USB	(AB-AUT/MPJ)
S06s	7560	18-6	1110	Tue	754 231 6 33445 69424 38167 05423 76458 59421 231 6 000000	USB	(AB-AUT/MPJ)
S06s	6766	18-6	1500	Tue	537 419 6 37888 32451 33983 42283 32618 31250 419 6 00000	USB	(MPJ)
S06s	7744	18-6	1510	Tue	537 419 6 37888 32451 33983 42283 32618 31250 419 6 00000	USB	(MPJ)
S06s	14977	19-6	0740	Wed	745 829 6 60241 06194 40729 11644 01699 75984 829 6 00000	USB	(AB)
S06s	11565	19-6	0830	Wed	464 875 9 08704 77511 52626 82027 29630 41019 28146 38590 46291 875 9 00000	USB	(AB)
S06s	12560	19-6	0840	Wed	464 875 9 08704 77511 52626 82027 29630 41019 28146 38590 46291 875 9 00000	USB	(AB)
S06s	14580	19-6	1000	Wed	729 845 6 93284 74659 25754 26242 28716 70094 845 6 00000	USB	(AB)
S06s	16020	19-6	1010	Wed	729 845 6 93284 74659 25754 26242 28716 70094 845 6 00000	USB	(AB)
S06s	9256	20-6	0930	Thu	Distorted audio. Should be on 9255 kHz. 314 298 5 37218 30440 35401 34072 83030 298 5 00000	USB	(AB)
S06s	10326	20-6	0940	Thu	Distorted audio. Should be on 10325 kHz. 314 298 5 37218 30440 35401 34072 83030 298 5 00000	USB	(AB)
S06s	13145	20-6	1200	Thu	425 807 6 85518 83939 48340 40054 40909 39394 807 6 00000	USB	(AB/MPJ)
S06s	14535	20-6	1210	Thu	425 807 6 85518 83939 48340 40054 40909 39394 807 6 00000	USB	(AB/MPJ)
S06s	10290	21-6	0630	Fri	516 847 9 37545 30989 41691 43753 32543 40926 36892 45221 43796 847 9 00000	USB	(AB)
S06s	9655	21-6	0640	Fri	516 847 9 37545 30989 41691 43753 32543 40926 36892 45221 43796 847 9 00000	USB	(AB)
S06s	6844	21-6	0900	Fri	624 853 7 42990 33000 32968 35332 36880 33582 44060 853 7 00000	USB	(AB-POL)
S06s	7161	21-6	0910	Fri	624 853 7 42990 33000 32968 35332 36880 33582 44060 853 7 00000	USB	(AB)
S06s	8221	24-6	0830	Mon	371 204 5 62795 74228 64661 44999 47730 204 5 00000	USB	(AB)
S06s	9353	24-6	0840	Mon	371 204 5 62795 74228 64661 44999 47730 204 5 00000	USB	(AB)
S06s	16381	24-6	0900	Mon	Should be on 16380 kHz. 872 431 5 12444 31625 89531 52814 95931 431 5 00000	AM/USB	(AB)
S06s	14836	24-6	0910	Mon	Should be on 14535 kHz. 872 431 5 12444 31625 89531 52814 95931 431 5 00000	AM/USB	(AB-AUT)
S06s	10230	24-6	1200	Mon	831 267 5 33445 69424 38167 05423 75458 267 5 00000	USB	(AB)
S06s	12165	24-6	1210	Mon	831 267 5 33445 69424 38167 05423 75458 267 5 00000	USB	(AB)
S06s	14374	25-6	0800	Tue	Should be on 14373 kHz. 352 470 6 62795 74228 56551 44999 47773 55580 470 6 00000	AM/USB	(AB)
S06s	12396	25-6	0810	Tue	Should be on 12395 kHz. 352 470 6 62795 74228 56551 44999 47773 55580 470 6 00000	AM/USB	(AB)
S06s	4820	25-6	1000	Tue	893 247 5 12444 38625 89531 52814 95931 247 5 00000	USB	(AB)

S06s	5660	25-6	1010	Tue	893 247 5 12444 38625 89531 52814 95931 247 5 00000	USB	(AB)
S06s	6810	25-6	1100	Tue	754 231 6 33445 69424 38167 05423 76458 59421 231 6 000000	USB	(AB-AUT/MPJ)
S06s	7560	25-6	1110	Tue	754 231 6 33445 69424 38167 05423 76458 59421 231 6 000000	USB	(AB-AUT/MPJ)
S06s	6766	25-6	1500	Tue	537 419 6 37888 32451 33983 42283 32618 31250 419 6 00000	USB	(MPJ)
S06s	7744	25-6	1510	Tue	537 419 6 37888 32451 33983 42283 32618 31250 419 6 00000	USB	(MPJ)
S06s	14977	26-6	0740	Wed	745 829 6 60241 06194 40729 11644 01699 75984 829 6 00000	USB	(AB)
S06s	11565	26-6	0830	Wed	464 875 9 08704 77511 52626 82027 29630 41019 28146 38590 46291 875 9 00000	USB	(AB)
S06s	12560	26-6	0840	Wed	464 875 9 08704 77511 52626 82027 29630 41019 28146 38590 46291 875 9 00000	USB	(AB)
S06s	14580	26-6	1000	Wed	729 845 6 93284 74659 25754 26242 28716 70094 845 6 00000	USB	(AB)
S06s	16020	26-6	1010	Wed	729 845 6 93284 74659 25754 26242 28716 70094 845 6 00000	USB	(AB)
S06s	9255	27-6	0930	Thu	314 298 5 37218 30440 35401 34072 83030 298 5 00000	USB	(AB)
S06s	10325	27-6	0940	Thu	314 298 5 37218 30440 35401 34072 83030 298 5 00000	USB	(AB)
S06s	13145	27-6	1200	Thu	425 807 6 85518 83939 48340 40054 40909 39394 807 6 00000	USB	(AB)
S06s	14535	27-6	1210	Thu	425 807 6 85518 83939 48340 40054 40909 39394 807 6 00000	USB	(AB)
S06s	10290	28-6	0630	Fri	516 847 9 37545 30989 41691 43753 32543 40926 36892 45221 43796 847 9 00000	USB	(AB)
S06s	9655	28-6	0640	Fri	516 847 9 37545 30989 41691 43753 32543 40926 36892 45221 43796 847 9 00000	USB	(AB)
S06s	6844	28-6	0900	Fri	624 853 7 42990 33000 32968 35332 36880 33582 44060 853 7 00000	USB	(AB)
S06s	7161	28-6	0910	Fri	624 853 7 42990 33000 32968 35332 36880 33582 44060 853 7 00000	USB	(AB)
S11a	11092	1-6	1540	Sat	564/00	USB	(AB/MPJ)
S11a	12457	1-6	1850	Sat	284/00	USB	(AB/MPJ)
S11a	6977	4-6	1020	Tue	422/00	USB	(MPJ)
S11a	11092	5-6	1540	Wed	561/00	USB	(GHn)
S11a	5149	7-6	1100	Fri	377/32 Vnimanije 41620 54308 77670 ... 90797 36674 93568 Konets	USB	(MPJ)
S11a	11092	8-6	1540	Sat	560/00	USB	(GHn/MPJ)
S11a	12457	8-6	1850	Sat	284/00	USB	(MPJ)
S11a	5844	11-6	0455	Tue	322/00	USB	(AB)/HFD)
S11a	5149	12-6	1100	Wed	378/00	USB	(AB/MPJ-CZ)
S11a	11092	12-6	1540	Wed	564/39 Vnimanije 83377 46094 58904 ... 98244 35693 91693 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
S11a	12457	12-6	1850	Wed	288/31 Vnimanije 26153 12304 95678 ... 13993 76805 39332 Vnimanije (message repeated) Konets	USB	(AB)
S11a	10210	13-6	1020	Thu	472/00	USB	(AB)
S11a	5844	14-6	0455	Fri	320/00	USB	(AB)
S11a	6977	14-6	1020	Fri	425/40 Vnimanije 86660 70317 08075 ... 75567 42497 35291 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5149	14-6	1100	Fri	373/00	USB	(AB/MPJ)
S11a	11092	15-6	1540	Sat	564/39 Vnimanije 83377 46094 58904 ... 98244 35693 91693 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
S11a	12457	15-6	1850	Sat	288/31 Vnimanije 26153 12304 95678 ... 13993 76805 39332 Vnimanije (message repeated)	USB	(AB/MPJ)

					Konets		
S11a	5082	17-6	0915	Mon	482/00	USB	(AB)
S11a	10210	17-6	1020	Mon	477/00	USB	(AB)
S11a	5844	18-6	0455	Tue	328/00	USB	(AB)
S11a	5149	19-6	1100	Wed	379/00	USB	(AB)
S11a	11092	19-6	1540	Wed	569/00	USB	(AB/MPJ)
S11a	12457	19-6	1850	Wed	281/00	USB	(AB/MPJ)
S11a	10210	20-6	1020	Thu	476/00	USB	(AB)
S11a	5844	21-6	0455	Fri	329/00	USB	(AB)
S11a	5082	21-6	0915	Fri	482/00	USB	(AB)
S11a	6977	21-6	1020	Fri	426/00	USB	(AB)
S11a	5149	21-6	1100	Fri	379/00	USB	(AB/MPJ)
S11a	11092	22-6	1540	Sat	565/00	USB	(GHn/MPJ)
S11a	12457	22-6	1850	Sat	287/00	USB	(AB/MPJ)
S11a	5082	24-6	0915	Mon	483/33 Vnimanaye 40807 40170 03747 ... 07562 08025 32576 Vnimanaye (message repeated) Konets	USB	(AB-POL)
S11a	10210	24-6	1020	Mon	477/37 Vnimanaye 12696 57849 26755 ... 52813 95523 43422 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	6977	25-6	1020	Tue	427/00	USB	(AB)
S11a	5149	26-6	1100	Wed	378/00	USB	(AB/MPJ)
S11a	11092	26-6	1540	Wed	565/00	USB	(AB/MPJ)
S11a	12457	26-6	1850	Wed	281/00	USB	(AB)
S11a	10210	27-6	1020	Thu	477/37 Vnimanaye 12696 57849 26755 ... 52813 95523 43422 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	5844	28-6	0455	Fri	322/00	USB	(AB)
S11a	5082	28-6	0915	Fri	483/33 Vnimanaye 40807 40170 03747 ... 07562 08025 32576 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	6977	28-6	1020	Fri	424/00	USB	(AB)
S11a	5149	28-6	1100	Fri	377/00	USB	(AB/MPJ)
S11a	11092	29-6	1540	Sat	567/00	USB	(AB/GHn)
S11a	12457	29-6	1850	Sat	284/00	USB	(AB/MPJ)
S28	4625	12-6	1340	Wed	Buzzer marker	USB	(AB-RUS)
S30	5448	5-6	0829	Wed	8S1Shch 24999 ZYeRNOVKA 8486 8248	USB	(Gwr)
S30	5448	5-6	0848	Wed	8S1Shch 39566 BOBROMARsh 4435 4376	USB	(Gwr)
S30	5448	5-6	0854	Wed	8S1Shch 26590 AISTOPIIT 4502 0707	USB	(Gwr)
S30	5448	5-6	0916	Wed	42FT DMC3 8MUO 51831 02384 28705 99992 DYMOBUFF 4158 0385	USB	(Gwr)
S30	5448	5-6	0932	Wed	8S1Shch 45786 LYuKOKAN 7701 5782	USB	(Gwr)
S30	5448	5-6	0934	Wed	8S1Shch 16593 KRAMBOL 5393 4808	USB	(Gwr)
S30	5448	5-6	0945	Wed	8S1Shch 88978 MARANIYe 3887 9093	USB	(Gwr)

S30	5448	5-6	1028	Wed	61HZh ZBIL L7O5 V'Z' NLCYe LI27 V2MZ SB7Z 'O6P Y8VM	USB	(Gwr)
S30	5448	6-6	0939	Thu	8S1Shch 78470 NATROTYL 3827 7395	USB	(Gwr)
S30	5448	6-6	1104	Thu	8S1Shch 97470 VITRINA 3977 6036 ILOSPYeH 7602 2239	USB	(Gwr)
S30	5448	12-6	1340	Wed	Pip marker	USB	(AB-RUS)
S30	5448	14-6	0837	Fri	8S1Shch 81723 BARABANNYJ 0797 8461	USB	(Gwr)
S30	5448	14-6	0845	Fri	8S1Shch 90330 IMBIRNYJ 6851 6689	USB	(Gwr)
S30	5448	14-6	0851	Fri	8S1Shch 42719 47589 VKUSOMAS 6092 9432 ZhIDOGILF 2236 6407	USB	(Gwr)
S30	5448	14-6	0955	Fri	N1DU 53OB 78MV DYeAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM	USB	(Gwr)
S30	5448	14-6	1148	Fri	V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ 27Shch' N1DU 53OB 78MV	USB	(Gwr)
S30	5448	14-6	1512	Fri	8S1Shch 30056 VANILIN 5707 2583	USB	(Gwr)
S30	5448	14-6	1512	Fri	8S1Shch 81714 DZhUTOShU 8063 7841	USB	(Gwr)
S30	5448	14-6	1518	Fri	8S1Shch 56793 LIF 8462 4976 YeES 0562 0729	USB	(Gwr)
S30	5448	17-6	0945	Mon	8S1Shch 56531 LYuKSOKYuRI 7214 5928	USB	(Gwr)
S30	5448	17-6	0945	Mon	8S1Shch [missing] DYuKOKAN 2881 3474	USB	(Gwr)
S30	5448	17-6	0951	Mon	8S1Shch 73560 DRIPRIS 1234 5678 KRYuChKOV 8379 5843	USB	(Gwr)
S30	5448	17-6	0955	Mon	8S1Shch 97796 ILOSPYeH 0119 4133	USB	(Gwr)
S30	5448	17-6	1000	Mon	8S1Shch 24615 VANOTRUT 2186 6686	USB	(Gwr)
S30	5448	17-6	1014	Mon	8S1Shch 98264 DOGOPOST 4148 3900 GNOYeRODNYJ 1156 2124	USB	(Gwr)
S30	5448	17-6	1016	Mon	8S1Shch 90487 DURNOJ 7223 8340	USB	(Gwr)
S30	5448	17-6	1022	Mon	8S1Shch 00693 KVADRATIK 3817 1856	USB	(Gwr)
S30	5448	17-6	1024	Mon	8S1Shch 43537 LYeSISTYJ 5878 2061	USB	(Gwr)
S30	5448	17-6	1029	Mon	8S1Shch 58184 MAFIYa 6008 8179	USB	(Gwr)
S30	5448	17-6	1132	Mon	8S1Shch 40031 DYuMOBUFF 6915 8256	USB	(Gwr)
S30	5448	17-6	1235	Mon	TUZR 5J7Shch DMC3 49FT C2ZA INNC ShchGJP TZLM FY5Ye F61N	USB	(Gwr)
S30	5448	17-6	1558	Mon	8S1Shch 26245 KRAMBOL 8976 0518	USB	(Gwr)
S30	5448	18-6	1009	Tue	8S1Shch 96999 BRYeHOSORT 8830 4073 VYPOLNYeN'Ye 3802 4665	USB	(Gwr)
S30	5448	18-6	1020	Tue	GNVY 55776 BRYeGOSVOD 0465 4237	USB	(Gwr)
S30	5448	18-6	1045	Tue	GNVY 12572 VGIBOKUM 4866 5452 BRAKOGUB 3003 4755	USB	(Gwr)
S30	5448	18-6	1049	Tue	GNVY 20734 GURTOGIT 1774 3344 GRAFOPYL 1922 9898	USB	(Gwr)
S30	5448	18-6	1100	Tue	GVNY 39486 DURASHLIVYJ 6106 3114	USB	(Gwr)
S30	5448	18-6	1132	Tue	PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z'	USB	(Gwr)
S30	5448	19-6	0915	Wed	8S1Shch 90682 KRYuChKOV 8379 5843 (same word and follow-up numbers as the 2 word message on 17-06, 0951 UTC)	USB	(Gwr)
S30	5448	19-6	0922	Wed	8S1Shch 31754 NYeSGIBAYeMYJ 6148 9216 MORGOShTOF 6072 1717	USB	(Gwr)
S30	5448	19-6	0939	Wed	8S1Shch 89302 NORIYa 6563 2373	USB	(Gwr)
S30	5448	19-6	0942	Wed	GNVY 51408 BLAGODARNYJ 1316 8498	USB	(Gwr)
S30	5448	19-6	0944	Wed	49FT 33160 KObYeLYeK 5549 6719	USB	(Gwr)
S30	5448	19-6	0950	Wed	DMC3 95837 GROGOKADR 8258 0670	USB	(Gwr)
S30	5448	19-6	0953	Wed	TUZR 14419 INOKOSKOL 4954 8536	USB	(Gwr)

S30	5448	19-6	0954	Wed	8MUO 49263 AZhURNYJ 5909 1197	USB	(Gwr)
S30	5448	19-6	1004	Wed	8S1Shch 81991 NAVODNYeN'Ye 4150 1737 GRANADA 6852 4641	USB	(Gwr)
S30	5448	19-6	1005	Wed	8MUO 48461 BLIZKIJ 8773 8700	USB	(Gwr)
S30	5448	19-6	1007	Wed	49FT 12260 NYeFOSPOJ 8773 5863	USB	(Gwr)
S30	5448	19-6	1011	Wed	TUZR 68165 ZIYaN'Ye 4314 0617	USB	(Gwr)
S30	5448	19-6	1017	Wed	8S1Shch 34808 GITOMGU 8346 5019 AGAROShchIT 2899 1574 YeNOTOVZOR 9116 0356	USB	(Gwr)
S30	5448	19-6	1019	Wed	8S1Shch 87020 NYeNASTOYaShchIJ 6043 2635	USB	(Gwr)
S30	5448	19-6	1022	Wed	DMC3 32077 ADGYeZIONNYJ 8773 2873	USB	(Gwr)
S30	5448	19-6	1026	Wed	8S1Shch 87020 ZhBANOKVAS 7943 1900	USB	(Gwr)
S30	5448	19-6	1031	Wed	8S1Shch 94764 NRAVOVIST 0086 3959	USB	(Gwr)
S30	5448	19-6	1040	Wed	8S1Shch 35388 BOGOBLIK 4674 8473	USB	(Gwr)
S30	5448	19-6	1051	Wed	8S1Shch 94731 MIGOShLIH 1357 1695 AZOTOMOT 1323 4981	USB	(Gwr)
S30	5448	19-6	1109	Wed	8S1Shch 78122 NAVALIVAN'Ye 9414 0481 KOShOBLIN 2470 3834	USB	(Gwr)
S30	5448	19-6	1114	Wed	8S1Shch 92847 ZhUIROZhRYeC 7715 3855 OBOZOGIMN 0540 4824	USB	(Gwr)
S30	5448	19-6	1122	Wed	TUZR 70610 KLYeShOLYuK 6152 6907	USB	(Gwr)
S30	5448	19-6	1127	Wed	GNVY 62662 MATYeR' 3841 3719 BOLOPRIZ 5432 1308 KRAYeVYeD 5117 6339	USB	(Gwr)
S30	5448	19-6	1134	Wed	GNVY 84252 KYeDROZAYaC 6758 5638 KYeRNOTRAL 5745 6142 DUHOPAL 2475 6428 KONOVID 5783 2846	USB	(Gwr)
S30	5448	19-6	1137	Wed	GNVY 37919 AVANTYuRIZM 2518 3834	USB	(Gwr)
S30	5448	19-6	1140	Wed	8S1Shch 88521 BRYeZhNYeVSKIJ 8541 1216	USB	(Gwr)
S30	5448	21-6	0907	Fri	8S1Shch 64914 LYeDOSHIP 2964 9427	USB	(Gwr)
S30	5448	21-6	0918	Fri	8S1Shch 32641 NAVOZNIK 7514 6486	USB	(Gwr)
S32	5473	5-6	0814	Wed	Al'fa-45 33670 KADROZhID 8953 8198	USB	(Gwr)
S32	5473	5-6	0835	Wed	Al'fa-45 45980 ODUTLOVATYJ 1407 8384	USB	(Gwr)
S32	5473	5-6	0853	Wed	Al'fa-45 85117 IROROSS 6124 1355	USB	(Gwr)
S32	5473	5-6	0900	Wed	Al'fa-45 56399 LAZOTATA 5821 2500	USB	(Gwr)
S32	5473	5-6	0922	Wed	Al'fa-45 83839 GNYeVOSTAN 5610 4656	USB	(Gwr)
S32	5473	5-6	0929	Wed	Al'fa-45 22891 MYeRTVYeCKIJ 6004 1156	USB	(Gwr)
S32	5473	5-6	0939	Wed	Al'fa-45 11721 LAPChATKA 5664 2682	USB	(Gwr)
S32	5473	5-6	0950	Wed	Al'fa-45 28017 MORGOKORD 8772 6234	USB	(Gwr)
S32	5473	6-6	0945	Thu	Al'fa-45 47706 NYeSTOYaShchIJ 7212 4058	USB	(Gwr)
S32	5473	6-6	1110	Thu	Al'fa-45 44642 MAVRODYeN' 1038 3742	USB	(Gwr)
S32	5473	6-6	1218	Thu	Stazher-29 Zaslonka-27 Pesochnyj-21 Sliva-94 Fontan-34 Fakyel-36 Kovboj-39 Kurgan-40	USB	(Gwr)
S32	5473	12-6	1340	Wed	Squeaky Wheel marker	USB	(AB-RUS)
S32	5473	14-6	0844	Fri	Al'fa-45 37461 ZUBOSKAL 3375 8503	USB	(Gwr)
S32	5473	14-6	0850	Fri	Al'fa-45 84617 AKTUARIJ 5100 2577	USB	(Gwr)
S32	5473	14-6	1021	Fri	Al'fa-45 13339 KOZYR' 1440 3219	USB	(Gwr)
S32	5473	14-6	1519	Fri	Al'fa-45 59294 JODOBIMS 9334 2071 MOROShKA 5775 7151	USB	(Gwr)
S32	5473	17-6	0949	Mon	Al'fa-45 97642 LYeVYJ 2362 2556	USB	(Gwr)

S32	5473	17-6	0954	Mon	Al'fa-45 18054 GARDINA 7578 5788	USB	(Gwr)
S32	5473	17-6	0956	Mon	Al'fa-45 84130 KNUTOVISHchYe 0787 6547	USB	(Gwr)
S32	5473	17-6	1001	Mon	Al'fa-45 08880 DRUGOMIF 1200 3210	USB	(Gwr)
S32	5473	17-6	1015	Mon	Al'fa-45 21967 KARPOTYuK 1456 0147	USB	(Gwr)
S32	5473	17-6	1017	Mon	Al'fa-45 91800 DRUGOZOB 9874 2545	USB	(Gwr)
S32	5473	17-6	1022	Mon	Al'fa-45 67498 OVACIYa 2552 3212 given before pip	USB	(Gwr)
S32	5473	17-6	1024	Mon	Al'fa-45 81168 INDIJ 1478 9874 given before pip	USB	(Gwr)
S32	5473	17-6	1031	Mon	Al'fa-45 33325 GRIBOChAD 3015 7887	USB	(Gwr)
S32	5473	17-6	1054	Mon	Al'fa-45 [missing] KRYPIL'ShchIK 3328 4684	USB	(Gwr)
S32	5473	17-6	1137	Mon	Al'fa-45 36266 AFONIYa 3556 5465	USB	(Gwr)
S32	5473	17-6	1257	Mon	Al'fa-45 51308 KARTOShKA 6465 4865	USB	(Gwr)
S32	5473	17-6	1604	Mon	Al'fa-45 64629 KISYeLYeK 1331 2545	USB	(Gwr)
S32	5473	18-6	0956	Tue	Al'fa-45 87468 DZhUTOKRYaShch 9492 1325	USB	(Gwr)
S32	5473	18-6	0959	Tue	Al'fa-45 13336 MYeTYeORIKa 9669 9555	USB	(Gwr)
S32	5473	18-6	1002	Tue	Al'fa-45 06004 NYeDOLGIJ 6013 3013	USB	(Gwr)
S32	5473	18-6	1016	Tue	Al'fa-45 87678 VITYeYeVATYJ 5451 3837	USB	(Gwr)
S32	5473	18-6	1020	Tue	G8BS 97411 NOZhOBER 5720 1059	USB	(Gwr)
S32	5473	18-6	1024	Tue	Al'fa-45 79481 MODYeRN 4071 5974	USB	(Gwr)
S32	5473	18-6	1032	Tue	G8BS 84358 GYeSTYeNYeVO 2225 5768	USB	(Gwr)
S32	5473	18-6	1042	Tue	G8BS 58427 MOChYeNIYe 5277 2592	USB	(Gwr)
S32	5473	18-6	1044	Tue	G8BS 55050 KYeBOSLOT 0462 4523	USB	(Gwr)
S32	5473	18-6	1046	Tue	G8BS 59047 BROVNYJ 2815 0891	USB	(Gwr)
S32	5473	18-6	1103	Tue	G8BS 06319 VTUZ 5008 0275 LOROHRYuK 1452 0214	USB	(Gwr)
S32	5473	18-6	1107	Tue	G8BS 67569 ZhUIROBOKS 1089 6090 DOYaROShTOF 7101 5494	USB	(Gwr)
S32	5473	18-6	1111	Tue	G8BS 21271 GVARDIYa 1357 8364	USB	(Gwr)
S32	5473	18-6	1202	Tue	Penza-07 Yahta-94 Firna-85 Stupa-32 Dzhigit-46 Landysh-74 Storozh-62 Nevka-26	USB	(Gwr)
S32	5473	21-6	0913	Fri	Al'fa-45 84472 BYeZRABOTNYJ 1200 4412	USB	(Gwr)
S32	5473	21-6	0922	Fri	Al'fa-45 85558 VKUSOHLAM 3516 1844	USB	(Gwr)
UM10	3280	15-6	1645	Sat	10-minutes net: HUU4	CW	(F5JBR-J)
UM10	4311	17-6	1557	Mon	10-minutes net: QK4S	CW	(JPL-J)
UM10	3525	17-6	1655	Mon	10-minutes net: QK4S //4310 kHz	CW	(F5JBR-J)
UM10	4310	17-6	1655	Mon	10-minutes net: QK4S //3525 kHz	CW	(F5JBR-J)
UM10	3280	17-6	1715	Mon	10-minutes net: HUU4	CW	(F5JBR-J)
UM10	3280	18-6	1716	Tue	10-minutes net: HUU4 //3780 kHz	CW	(JPL-CHN)
UM10	3780	18-6	1716	Tue	10-minutes net: HUU4 //3280 kHz	CW	(JPL-CHN)
UM10	3525	18-6	1934	Tue	10-minutes net: QK4S //4310 kHz	CW	(JPL-Sib)
UM10	4310	18-6	1934	Tue	10-minutes net: QK4S //3525 kHz	CW	(JPL-Sib)
UM10	7380	20-6	0925	Thu	10-minutes net: MIBH	CW	(F5JBR-J)
UM10	4310	20-6	1433	Thu	10-minutes net: QK4S //3535 kHz	CW	(JPL-J)

V15	3320	22-6	1445	Sat	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //6400 kHz	AM	(AB-J)
V15	6400	22-6	1445	Sat	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //3320 kHz	AM	(AB-J)
V24	6215	7-6	1500	Fri	Popsong followed by a message in Korean	AM	(MDK2)
V24	4925	11-6	1430	Tue	Piani music followed by a message in Korean	AM	(W9SPY)
V24	4925	13-6	1430	Thu	Piano music followed by a message in Korean	AM	(AB-J)
V24	4925	15-6	1430	Sat	Message in Korean	AM	(AB)
V26	4243	3-6	1142	Mon	Messages in Chinese. Female operator	USB	(JPL)
V28	4494	10-6	2203	Mon	Parrot. Message in Korean. Female operator	AM	(HK)
V28	4983	10-6	2203	Mon	Parrot. Message in Korean	AM	(HK)
V28	4625	17-6	1004	Mon	Parrot. Message in Korean	AM	(HK)
V28	5151	17-6	1004	Mon	Parrot. Message in Korean	AM	(HK)
VC01	3206	6-6	1606	Thu	Chinese Robot i.p.	USB	(BW3-KOR)
VC01	3206	11-6	1619	Tue	Chinese Robot i.p.	USB	(BW3-KOR)
VC01	3206	13-6	1555	Thu	Chinese Robot i.p.	USB	(BW3-J)
VC01	4225	13-6	1610	Thu	VC01 variant	LSB	(BW3-J)
X06	16320	7-6	0906	Fri	MFA Moscow clg 241563: unid embassy	MFSK-6	(ES-HOL)
X06	14501	7-6	1006	Fri	MFA Moscow clg 361245: Russian embassy, Copenhagen	MFSK-6	(ES-HOL)
X06	15863	16-6	1834	Sun	Sequence: 362262 before XPB1	MFSK-6	(AB)
X06	15863	16-6	1839	Sun	Sequence: 362262 before XPB1	MFSK-6	(AB)
X06b	8470	6-6	0746	Thu	Sequence 111666	MFSK-6	(ES-HOL)
X06b	8470	6-6	0802	Thu	Sequence 111666	MFSK-6	(ES-HOL)
X06b	6740	7-6	0902	Fri	Sequence 111666	MFSK-6	(ES-HOL)
X06b	11568	23-6	1559	Sun	Sequence: 111666 before E07	MFSK-6	(AB)
X06b	13368	23-6	1600	Sun	Sequence: 111666 before E07	MFSK-6	(AB)
X06b	10463	23-6	1804	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	11163	23-6	1804	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	12163	23-6	1805	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	13963	23-6	1806	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	14963	23-6	1806	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	15863	23-6	1806	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	10463	23-6	1808	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	12163	23-6	1809	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	12163	23-6	1809	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	14963	23-6	1810	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	14963	23-6	1811	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	15863	23-6	1811	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	12163	23-6	1814	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	12163	23-6	1815	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	14963	23-6	1815	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)

X06b	10463	23-6	1816	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	14963	23-6	1816	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	15863	23-6	1817	Sun	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	9055	24-6	0806	Mon	Sequence: 111666	MFSK-6	(AB)
XPA1	11421	4-6	0710	Tue	Message	MFSK-20/10Bd	(HFD)
XPA1	12151	4-6	0730	Tue	Message	MFSK-20/10Bd	(HFD)
XPA1	13972	4-6	0750	Tue	Message	MFSK-20/10Bd	(HFD)
XPA1	11421	13-6	0710	Thu	976 976 976 1 07962 00153 91210 ... 70826 79637 44317	MFSK-20/10Bd	(AB)
XPA1	12151	13-6	0730	Thu	976 976 976 1 07962 00153 91210 ... 70826 79637 44317	MFSK-20/10Bd	(AB)
XPA1	13972	13-6	0750	Thu	976 976 976 1 07962 00153 91210 ... 70826 79637 44317	MFSK-20/10Bd	(AB)
XPA1	11421	18-6	0710	Tue	976 976 976 1 00313 00121 61596 ... 59572 40293 02070	MFSK-20/10Bd	(AB)
XPA1	12151	18-6	0730	Tue	976 976 976 1 00313 00121 61596 ... 59572 40293 02070	MFSK-20/10Bd	(AB)
XPA1	13972	18-6	0750	Tue	976 976 976 1 00313 00121 61596 ... 59572 40293 02070	MFSK-20/10Bd	(AB)
XPA1	11421	20-6	0710	Thu	976 976 976 1 00313 00121 61596 ... 59572 40293 02070	MFSK-20/10Bd	(AB)
XPA1	12151	20-6	0730	Thu	976 976 976 1 00313 00121 61596 ... 59572 40293 02070	MFSK-20/10Bd	(AB)
XPA1	13972	20-6	0750	Thu	976 976 976 1 00313 00121 61596 ... 59572 40293 02070	MFSK-20/10Bd	(AB)
XPA1	11421	27-6	0710	Thu	976 976 976 1 00313 00121 61596 ... 59572 40293 02070	MFSK-20/10Bd	(AB)
XPA1	12151	27-6	0730	Thu	976 976 976 1 00313 00121 61596 ... 59572 40293 02070	MFSK-20/10Bd	(AB)
XPA1	13972	27-6	0750	Thu	976 976 976 1 00313 00121 61596 ... 59572 40293 02070	MFSK-20/10Bd	(AB)
XPA2	16167	1-6	2100	Sat	09636 00084 83245 ... 34938 79067 56150	MFSK-16/20Bd	(AB)
XPA2	14663	1-6	2120	Sat	09636 00084 83245 ... 34938 79067 56150	MFSK-16/20Bd	(AB)
XPA2	13923	1-6	2140	Sat	09636 00084 83245 ... 34938 79067 56150	MFSK-16/20Bd	(AB)
XPA2	14738	2-6	2100	Sun	00499 00106 30548 ... 65218 29758 53605	MFSK-16/20Bd	(AB)
XPA2	13438	2-6	2120	Sun	00499 00106 30548 ... 65218 29758 53605	MFSK-16/20Bd	(AB)
XPA2	12138	2-6	2140	Sun	00499 00106 30548 ... 65218 29758 53605	MFSK-16/20Bd	(AB)
XPA2	14892	3-6	1500	Mon	03733 00001 00000 36655	MFSK-16/20Bd	(MPJ)
XPA2	13492	3-6	1520	Mon	03733 00001 00000 36655	MFSK-16/20Bd	(MPJ)
XPA2	12192	3-6	1540	Mon	03733 00001 00000 36655	MFSK-16/20Bd	(MPJ)
XPA2	14738	4-6	2100	Tue	09636 00084 83245 ... 34938 79067 56150	MFSK-16/20Bd	(AB)
XPA2	13438	4-6	2120	Tue	09636 00084 83245 ... 34938 79067 56150	MFSK-16/20Bd	(AB)
XPA2	12138	4-6	2140	Tue	09636 00084 83245 ... 34938 79067 56150	MFSK-16/20Bd	(AB)
XPA2	10324	5-6	0700	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	11524	5-6	0720	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	13524	5-6	0740	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	13527	6-6	0910	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	12227	6-6	0930	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	11427	6-6	0950	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	13417	6-6	1600	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	14817	6-6	1620	Thu	Message	MFSK-16/20Bd	(HFD)

XPA2	15917	6-6	1640	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	16167	7-6	2100	Fri	09634 00090 06920 ... 39460 33036 56137	MFSK-16/20Bd	(AB)
XPA2	14663	7-6	2120	Fri	09634 00090 06920 ... 39460 33036 56137	MFSK-16/20Bd	(AB)
XPA2	13923	7-6	2140	Fri	09634 00090 06920 ... 39460 33036 56137	MFSK-16/20Bd	(AB/RL)
XPA2	14892	8-6	1500	Sat	07461 00001 00000 33665	MFSK-16/20Bd	(MPJ)
XPA2	13492	8-6	1520	Sat	07461 00001 00000 33665	MFSK-16/20Bd	(MPJ)
XPA2	12192	8-6	1540	Sat	07461 00001 00000 33665	MFSK-16/20Bd	(MPJ)
XPA2	16167	8-6	2100	Sat	Message	MFSK-16/20Bd	(HFD)
XPA2	14663	8-6	2120	Sat	Message	MFSK-16/20Bd	(HFD)
XPA2	13923	8-6	2140	Sat	Message	MFSK-16/20Bd	(HFD)
XPA2	14738	9-6	2100	Sun	Transmission goes off after 39 seconds then 5 minutes later X06b	MFSK-16/20Bd	(Dan/HFD)
XPA2	13438	9-6	2120	Sun	09542 00102 56725 62592 53280 ... 48907 43505 54523	MFSK-16/20Bd	(Dan/HFD)
XPA2	12138	9-6	2140	Sun	09542 00102 56725 62592 53280 ... 48907 43505 54523	MFSK-16/20Bd	(Dan/HFD)
XPA2	14892	10-6	1500	Mon	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)
XPA2	13492	10-6	1520	Mon	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)
XPA2	12192	10-6	1540	Mon	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)
XPA2	13417	11-6	1600	Tue	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(AB/MPJ)
XPA2	14817	11-6	1620	Tue	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(AB/MPJ)
XPA2	15917	11-6	1640	Tue	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(AB/MPJ)
XPA2	10324	12-6	0700	Wed	00509 00113 18752 ... 45093 73352 03421	MFSK-16/20Bd	(AB)
XPA2	11524	12-6	0720	Wed	00509 00113 18752 ... 45093 73352 03421	MFSK-16/20Bd	(AB)
XPA2	13542	12-6	0740	Wed	00509 00113 18752 ... 45093 73352 03421	MFSK-16/20Bd	(AB)
XPA2	17417	12-6	0910	Wed	09995 00058 76884 ... 01074 36281 51733	MFSK-16/20Bd	(AB)
XPA2	15812	12-6	0930	Wed	09995 00058 76884 ... 01074 36281 51733	MFSK-16/20Bd	(AB)
XPA2	14504	12-6	0950	Wed	09995 00058 76884 ... 01074 36281 51733	MFSK-16/20Bd	(AB)
XPA2	13527	13-6	0910	Thu	09940 00054 78579 ... 49101 43106 43305	MFSK-16/20Bd	(AB)
XPA2	12227	13-6	0930	Thu	09940 00054 78579 ... 49101 43106 43305	MFSK-16/20Bd	(AB)
XPA2	11427	13-6	0950	Thu	09940 00054 78579 ... 49101 43106 43305	MFSK-16/20Bd	(AB)
XPA2	13417	13-6	1600	Thu	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(AB/MPJ)
XPA2	14817	13-6	1620	Thu	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(AB/MPJ)
XPA2	15917	13-6	1640	Thu	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(AB/MPJ)
XPA2	16167	14-6	2100	Fri	09634 00090 06920 ... 39460 33036 56137	MFSK-16/20Bd	(AB)
XPA2	14663	14-6	2120	Fri	09634 00090 06920 ... 39460 33036 56137	MFSK-16/20Bd	(AB)
XPA2	13923	14-6	2140	Fri	09634 00090 06920 ... 39460 33036 56137	MFSK-16/20Bd	(AB)
XPA2	13527	15-6	0910	Sat	09940 00054 78579 ... 49101 43106 43305	MFSK-16/20Bd	(AB)
XPA2	12227	15-6	0930	Sat	09940 00054 78579 ... 49101 43106 43305	MFSK-16/20Bd	(AB)
XPA2	11427	15-6	0950	Sat	09940 00054 78579 ... 49101 43106 43305	MFSK-16/20Bd	(AB)
XPA2	14892	15-6	1500	Sat	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)
XPA2	13492	15-6	1520	Sat	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)

XPA2	12192	15-6	1540	Sat	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)
XPA2	16167	15-6	2100	Sat	09634 00090 06920 ... 39460 33036 56137	MFSK-16/20Bd	(AB)
XPA2	14663	15-6	2120	Sat	09634 00090 06920 ... 39460 33036 56137	MFSK-16/20Bd	(AB)
XPA2	13923	15-6	2140	Sat	09634 00090 06920 ... 39460 33036 56137	MFSK-16/20Bd	(AB)
XPA2	10324	17-6	0700	Mon	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	11524	17-6	0720	Mon	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	13542	17-6	0740	Mon	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	17417	17-6	0910	Mon	07383 00001 00000 34267	MFSK-16/20Bd	(AB)
XPA2	15812	17-6	0930	Mon	07383 00001 00000 34267	MFSK-16/20Bd	(AB)
XPA2	14504	17-6	0950	Mon	07383 00001 00000 34267	MFSK-16/20Bd	(AB)
XPA2	14892	17-6	1500	Mon	07906 00001 00000 44657	MFSK-16/20Bd	(AB)
XPA2	13492	17-6	1520	Mon	07906 00001 00000 44657	MFSK-16/20Bd	(AB)
XPA2	12192	17-6	1540	Mon	07906 00001 00000 44657	MFSK-16/20Bd	(AB)
XPA2	13417	18-6	1600	Tue	03436 00001 00000 36256	MFSK-16/20Bd	(MPJ)
XPA2	14817	18-6	1620	Tue	03436 00001 00000 36256	MFSK-16/20Bd	(MPJ)
XPA2	15917	18-6	1640	Tue	03436 00001 00000 36256	MFSK-16/20Bd	(MPJ)
XPA2	10324	19-6	0700	Wed	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	11524	19-6	0720	Wed	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	13542	19-6	0740	Wed	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	17417	19-6	0910	Wed	04089 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	15812	19-6	0930	Wed	04089 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	14504	19-6	0950	Wed	04089 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	13527	20-6	0910	Thu	00462 00032 13477 ... 51579 65162 07237	MFSK-16/20Bd	(AB)
XPA2	12227	20-6	0930	Thu	00462 00032 13477 ... 51579 65162 07237	MFSK-16/20Bd	(AB)
XPA2	11427	20-6	0950	Thu	00462 00032 13477 ... 51579 65162 07237	MFSK-16/20Bd	(AB)
XPA2	13417	20-6	1600	Thu	02664 00001 00000 36260	MFSK-16/20Bd	(AB/MPJ)
XPA2	14817	20-6	1620	Thu	02664 00001 00000 36260	MFSK-16/20Bd	(AB/MPJ)
XPA2	15917	20-6	1640	Thu	02664 00001 00000 36260	MFSK-16/20Bd	(AB/MPJ)
XPA2	16167	21-6	2100	Fri	06079 00036 01212 ... 44841 07635 65575	MFSK-16/20Bd	(AB)
XPA2	14663	21-6	2120	Fri	06079 00036 01212 ... 44841 07635 65575	MFSK-16/20Bd	(AB)
XPA2	13923	21-6	2140	Fri	06079 00036 01212 ... 44841 07635 65575	MFSK-16/20Bd	(AB/RL)
XPA2	13527	22-6	0910	Sat	00462 00032 13477 ... 51579 65162 07237	MFSK-16/20Bd	(AB)
XPA2	12227	22-6	0930	Sat	00462 00032 13477 ... 51579 65162 07237	MFSK-16/20Bd	(AB)
XPA2	11427	22-6	0950	Sat	00462 00032 13477 ... 51579 65162 07237	MFSK-16/20Bd	(AB)
XPA2	14892	22-6	1500	Sat	02550 00001 00000 33657	MFSK-16/20Bd	(AB/MPJ)
XPA2	13492	22-6	1520	Sat	02550 00001 00000 33657	MFSK-16/20Bd	(AB/MPJ)
XPA2	12192	22-6	1540	Sat	02550 00001 00000 33657	MFSK-16/20Bd	(AB/MPJ)
XPA2	16167	22-6	2100	Sat	06079 00036 01212 ... 44841 07635 65575	MFSK-16/20Bd	(AB)
XPA2	14663	22-6	2120	Sat	06079 00036 01212 ... 44841 07635 65575	MFSK-16/20Bd	(AB)

XPA2	13923	22-6	2140	Sat	06079 00036 01212 ... 44841 07635 65575	MFSK-16/20Bd	(AB)
XPA2	12227	23-6	2120	Sun	00107 00020 65512 ... 41111 54879 42570	MFSK-16/20Bd	(RL)
XPA2	10827	23-6	2140	Sun	00107 00020 65512 ... 41111 54879 42570	MFSK-16/20Bd	(RL)
XPA2	10324	24-6	0700	Mon	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	11524	24-6	0720	Mon	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	13542	24-6	0740	Mon	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	17417	24-6	0910	Mon	00376 00232 13465 ... 06906 60462 15145	MFSK-16/20Bd	(AB)
XPA2	15812	24-6	0930	Mon	00376 00232 13465 ... 06906 60462 15145	MFSK-16/20Bd	(AB)
XPA2	14504	24-6	0950	Mon	00376 00232 13465 ... 06906 60462 15145	MFSK-16/20Bd	(AB)
XPA2	14892	24-6	1500	Mon	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)
XPA2	13492	24-6	1520	Mon	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)
XPA2	12192	24-6	1540	Mon	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)
XPA2	13417	25-6	1600	Tue	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(MPJ)
XPA2	14817	25-6	1620	Tue	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(MPJ)
XPA2	15917	25-6	1640	Tue	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(MPJ)
XPA2	13427	25-6	2100	Tue	00107 00020 65512 ... 41111 54879 42570	MFSK-16/20Bd	(AB)
XPA2	12227	25-6	2120	Tue	00107 00020 65512 ... 41111 54879 42570	MFSK-16/20Bd	(AB)
XPA2	10827	25-6	2140	Tue	00107 00020 65512 ... 41111 54879 42570	MFSK-16/20Bd	(AB)
XPA2	10324	26-6	0700	Wed	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	11524	26-6	0720	Wed	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	13542	26-6	0740	Wed	00418 00193 45310 ... 23471 08843 46440	MFSK-16/20Bd	(AB)
XPA2	17417	26-6	0910	Wed	00376 00232 13465 ... 06906 60462 15145	MFSK-16/20Bd	(AB)
XPA2	15812	26-6	0930	Wed	00376 00232 13465 ... 06906 60462 15145	MFSK-16/20Bd	(AB)
XPA2	14504	26-6	0950	Wed	00376 00232 13465 ... 06906 60462 15145	MFSK-16/20Bd	(AB/SP1)
XPA2	13527	27-6	0910	Thu	02381 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	12227	27-6	0930	Thu	02381 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	11427	27-6	0950	Thu	02381 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	13417	27-6	1600	Thu	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(AB/MPJ)
XPA2	14817	27-6	1620	Thu	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(AB/MPJ)
XPA2	15917	27-6	1640	Thu	00343 00125 63195 ... 77027 64597 67145	MFSK-16/20Bd	(AB/MPJ)
XPA2	16167	28-6	2100	Fri	00441 00034 71878 ... 34350 34318 69106 47125	MFSK-16/20Bd	(AB)
XPA2	14663	28-6	2120	Fri	00441 00034 71878 ... 34350 34318 69106 47125	MFSK-16/20Bd	(AB)
XPA2	13923	28-6	2140	Fri	00441 00034 71878 ... 34350 34318 69106 47125	MFSK-16/20Bd	(AB)
XPA2	13527	29-6	0910	Sat	06834 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	12227	29-6	0930	Sat	06834 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	11427	29-6	0950	Sat	06834 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	14892	29-6	1500	Sat	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)
XPA2	13492	29-6	1520	Sat	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)
XPA2	12192	29-6	1540	Sat	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(AB/MPJ)

XPA2	16167	29-6	2100	Sat	00441 00034 71878 ... 34350 34318 69106 47125	MFSK-16/20Bd	(AB)
XPA2	14663	29-6	2120	Sat	00441 00034 71878 ... 34350 34318 69106 47125	MFSK-16/20Bd	(AB)
XPA2	13923	29-6	2140	Sat	00441 00034 71878 ... 34350 34318 69106 47125	MFSK-16/20Bd	(AB)
XPA2	13427	30-6	2100	Sun	04928 00001 00000 41656	MFSK-16/20Bd	(AB/RL)
XPA2	12227	30-6	2120	Sun	04928 00001 00000 41656	MFSK-16/20Bd	(AB/RL)
XPA2	10827	30-6	2140	Sun	04928 00001 00000 41656	MFSK-16/20Bd	(AB/RL)
XPB1	15863	4-6	1900	Tue	Russian Intelligence	MFSK-16	(AB/MPJ/HFD)
XPB1	14963	4-6	1910	Tue	Russian Intelligence	MFSK-16	(AB/MPJ/HFD)
XPB1	13963	4-6	1920	Tue	Russian Intelligence	MFSK-16	(AB/MPJ/HFD)
XPB1	12163	4-6	1930	Tue	Russian Intelligence	MFSK-16	(AB/HFD)
XPB1	11163	4-6	1940	Tue	Russian Intelligence	MFSK-16	(AB/HFD)
XPB1	10463	4-6	1950	Tue	Russian Intelligence	MFSK-16	(AB/HFD)
XPB1	15863	9-6	1900	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	14963	9-6	1910	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	13963	9-6	1920	Sun	Russian Intelligence	MFSK-16	(AB)
XPB1	12163	9-6	1930	Sun	Russian Intelligence	MFSK-16	(AB)
XPB1	11163	9-6	1940	Sun	Russian Intelligence	MFSK-16	(AB)
XPB1	10463	9-6	1950	Sun	Russian Intelligence	MFSK-16	(AB)
XPB1	15863	11-6	1900	Tue	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	14963	11-6	1910	Tue	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	13963	11-6	1920	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	12163	11-6	1930	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	11163	11-6	1940	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	10463	11-6	1950	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	15863	16-6	1900	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	14963	16-6	1910	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	13963	16-6	1920	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	12163	16-6	1930	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	11163	16-6	1940	Sun	Russian Intelligence	MFSK-16	(AB)
XPB1	10463	16-6	1950	Sun	Russian Intelligence	MFSK-16	(AB)
XPB1	15863	18-6	1900	Tue	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	14963	18-6	1910	Tue	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	13963	18-6	1920	Tue	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	12163	18-6	1930	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	11163	18-6	1940	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	10463	18-6	1950	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	15863	23-6	1900	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	14963	23-6	1910	Sun	Russian Intelligence	MFSK-16	(AB/MPJ/RL)
XPB1	13963	23-6	1920	Sun	Russian Intelligence	MFSK-16	(AB/MPJ/RL)

XPB1	12163	23-6	1930	Sun	Russian Intelligence	MFSK-16	(AB/MPJ/RL)
XPB1	11163	23-6	1940	Sun	Russian Intelligence	MFSK-16	(AB/RL)
XPB1	10463	23-6	1950	Sun	Russian Intelligence	MFSK-16	(AB/RL)
XPB1	15863	25-6	1900	Tue	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	14963	25-6	1910	Tue	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	13963	25-6	1920	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	12163	25-6	1930	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	11163	25-6	1940	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	10463	25-6	1950	Tue	Russian Intelligence	MFSK-16	(AB)
XPB1	15863	30-6	1900	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	14963	30-6	1910	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	13963	30-6	1920	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	12163	30-6	1930	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	11163	30-6	1940	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)
XPB1	10463	30-6	1950	Sun	Russian Intelligence	MFSK-16	(AB/MPJ)

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AB-AUT	Ary Boender via remote rx Austria
AB-CHN	Ary Boender via remote rx China
AB-FIN	Ary Boender via remote rx Finland
AB-J	Ary Boender via remote rx Japan
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
AB-USA	Ary Boender via remote rx USA
BR	Brian Rogers, UK
BW3-J	Barry Williams via remote rx Japan
BW3-KOR	Barry Williams via remote rx South Korea
Danix	Danix111, Poland
ES-HOL	Edward Smith via remote rx Netherlands
EW	Eddy Waters, Australia
F5JBR-J	F5JBR André via remote rx Japan
GHn	Gary Hagermann, UK
Gwr	Gwraspe
HFD	Hans-Friedrich Dumrese, Germany
HFD-CHN	Hans-Friedrich Dumrese via remote rx China
HK	Hiroyuki Komatsubara, Japan
JPL	JPL, NB, Canada (and various remote rx)
JPL-CHN	JPL via remote rx China
JPL-J	JPL via remote rx Japan
JPL-Sib	JPL via remote rx Siberia
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WP3	Wolfgang Palmberger

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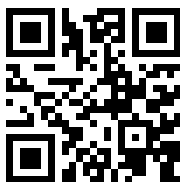
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710 27364 92886 89428 61286 13982 38998 32794 31276 81
86 88932 78987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 10
591 87364 87265 96718 27638 12673 84769 28743 98127 00
8 63298 75698 27465 87326 49876 28376 81273 98615 00
67 87432 74328 78674 29867 32867 67867 86786 43286 432
57 68768 68763 34234 34238 68768 62342 48273 48768 238
936 98432 32432 86743 43286 43286 43286 43286 43286 432
743 86743 86743 39867 32867 86743 43286 43286 43243 86
741 86743 86743 86743 86743 86743 86743 86743 86743 432
983 98798 98754 98754 98754 98754 29867 67543 67986 867
76 87698 69876 87698 69876 87612 12345 34867 86798 867
867 43298 65656 54756 56123 32143 14321 32143 14321 321
98 82787 58765 76587 58765 76587 58765 76587 58756 765
86774 96587 86768 76587 58765 86587 86587 86587 86587

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