

27364	92836	89428	81268	14982	36198	32784	31277
40932	70987	32123	49817	26346	81287	65491	87364
75654	55656	12737	72727	72727	91918	63473	67867
87629	37677	32612	53498	71296	28756	18276	98716
76329	74698	76857	98670	27601	56701	57601	73648
87364	87265	96710	27630	12673	84769	28743	98127
63298	75698	27465	87326	49876	28376	81273	98615
87432	74328	78674	29867	32867	67867	86786	43286
68768	68763	34234	34238	68768	62342	48273	48768
98432	32432	86743	43286	43286	43286	43286	43286
86743	86743	39867	32867	86743	43286	43286	43243
86743	86743	86743	86743	86743	86743	86743	86743
98798	98754	98754	98754	98754	29867	67543	67986
87698	69876	87698	69876	87612	12341	34867	86798
43298	65656	56756	56123	32143	14321	32143	14321
58765	58765	58765	58765	58765	58765	58765	58765

Numbers & Oddities

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a.k.a. The Spooks Newsletter

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Edition #303, December 2022

Editor: Ary Boender email: udxf@udxf.nl
 Numbers & Oddities <http://www.numbersoddities.nl>

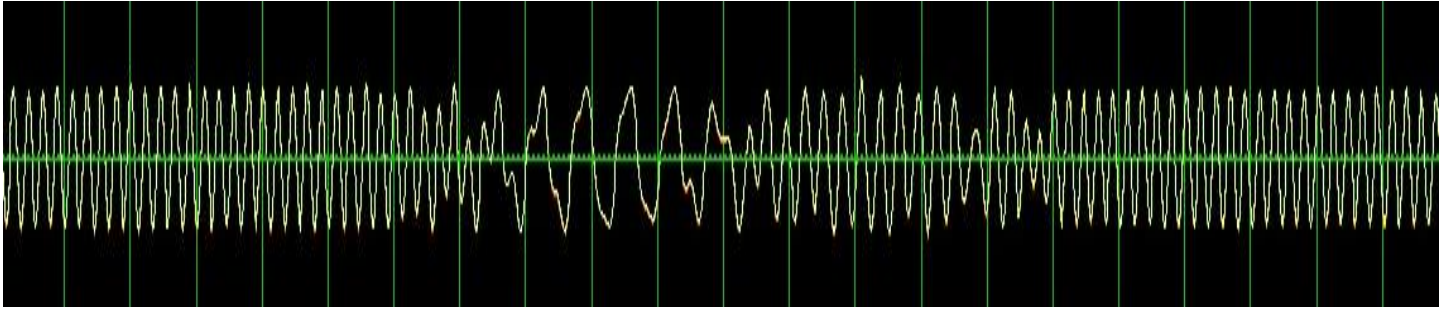
"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

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

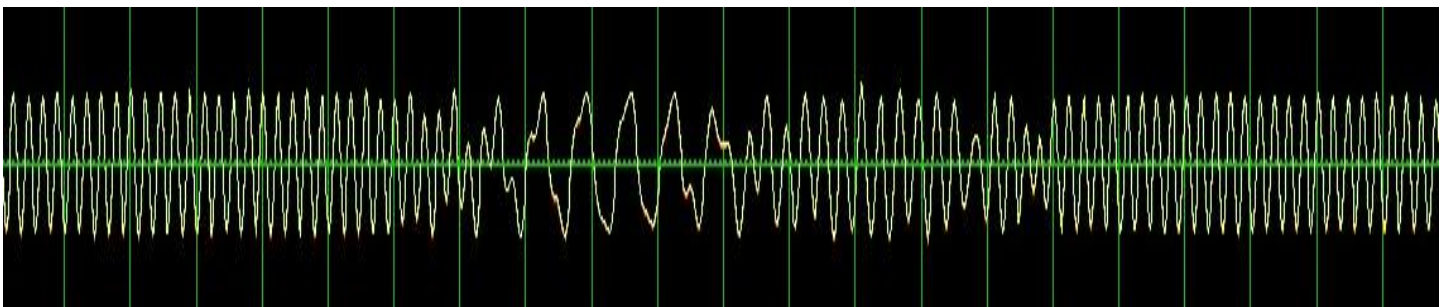


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UDXF and Numbers & Oddities wish you a prosperous and healthy 2023

سعيدة سنة (sana sa'eedah)
Happy New Year
Feliç any nou
Godt nytår
Gelukkig Nieuwjaar
Happy New Year
Bonne année
Buiti iseri irumu
Frohes Neues Jahr
Καλή χρονιά (Kali chronia)

سال مبارك (saal mubarak)
שנה טובה (shana tova)
Kung Hee Huat Tsai
Buon anno
あけましておめでとうございます
(Akemashite Omedetou Gozaimasu)
Laimigu Jauno gadu
Laimingu naujuu metu
新年快乐 (Xin Nian Kuai Le)
Szczęśliwego nowego roku

Feliz ano novo
La mulți ani!
С Новым Годом (S novim godom)
Srećna nova godina
Šťastný nový rok
Feliz año nuevo
Sawatdee Pi Mai
Yeni yılınız kutlu olsun
Hauoli makahiki

FOREWORD

December brought us more temporary Russian F06 and XPA2 schedules. F06 ID 70202 and F01 had a short holiday. HM01 had a break between 25 and 30 December. M23 was active all month long, and Eddy copied some weird stuff. Read about it in this edition of N&O.

Priyom has introduced two new designators, namely F07 and P07.
F07 mode: 5xMFSK-16/10Bd/20Hz+250Bd BPSK
P07 mode: 8xQSPK/62.5Bd/125Hz+250Bd BPSK
F07 and P07 were formerly logged as M42. The logs database has been adjusted accordingly.

For me December was a very busy month but I managed to record a lot so that I could listen between the other activities. I am glad that we also received a lot of logs and recordings. In total more than 4500 logs

Finally I'd like to thank all contributors for the many logs, info, recordings and continuing support in the past year. Also thanks to the moderators of UDXF, especially to Paolo for collecting and editing the UDXF logs, and for his excellent book "[The Big Book of SDRsharp](#)", and last but certainly not least Thomas (tiNG) for all his work on the brand new UDXF / UTDX.DE Utility Frequency List.



VOICE STATIONS

E06

14575/17420 kHz, 01-12/02-12, 0600/0700 UTC

923 768 54

18512 35224 23715 67028 93857 34233 66783 05583 18217 91589
19561 40372 51282 75463 46418 85816 02926 99057 07572 89055
14196 69346 21570 36171 57166 30070 98981 14356 14567 03646
70710 47244 25141 61690 59373 45557 05658 78851 67189 40280
85528 49622 78799 90540 14954 72828 02478 83380 32544 33489
98148 67616 03349 36715
768 54 00000

14575/17420 kHz, 15-12/15-12, 0600/0700 UTC

923 604 51

99409 99640 54532 10589 82078 72683 22051 78346 70908 33104
85865 07831 79670 29998 67698 63483 88697 20678 07313 85105
76964 74794 01860 77961 43318 24255 74232 48289 52812 38633
68860 76025 69070 30756 98383 41924 58628 22148 89641 51254
78186 23032 02421 21274 80699 06569 19382 24651 01268 82013
30635
604 51 00000

19144/17514 kHz, 22-12, 1000/1030 UTC

16318/13955 kHz, 22-12, 1300/1330 UTC

392 751 44

31843 06338 00261 98043 57417 79634 07845 11285 49339 13444
75919 86938 04702 79147 65963 30230 13763 23702 66147 23978
75457 40990 16864 00005 73183 44452 42605 42273 09261 33162
51130 26464 21528 68562 85847 25649 30508 04016 42364 36782
90568 34391 85126 07667
751 44 00000

7377/5410 kHz, 31-12, 1300/1330 UTC

480 256 41

68128 53518 23246 76308 38133 29892 12160 63004 98610 77027
77900 36871 19030 84327 99556 48826 40681 18838 64157 50440
33147 78759 64791 17214 63791 24926 19009 37644 43254 57917
06973 93248 07056 26795 68612 38242 46045 16619 94601 82040
46795
256 41 00000

Note:

Message body repeat of 5 and 6 May 2022 (and other occurrences during previous years), but as E06 480 instead of S06 480.

Group Cycle Network

14654/12177 kHz, 01-12/02-12, 0300/0400 UTC

361 259 34

54939 41684 12803 72186 97157 32812 42723 63787 18181 18155
96259 94013 24122 32359 42042 57946 25031 73902 88537 53357
61992 84303 98881 48648 15559 34080 39417 19244 56483 20133
85341 69632 24665 04240
259 34 00000

14654/12177 kHz, 08-12/09-12, 0300/0400 UTC

361 784 35
56624 18933 45190 49959 65866 53869 02070 38222 90847 18890
36618 02626 93349 44649 85874 22194 12604 22894 61472 94617
09700 97224 47213 42891 94502 66461 59636 36885 27288 61541
76255 53307 12262 81891 61164
784 35 00000

14654/12177 kHz, 15-12/16-12, 0300/0400 UTC

361 509 36
87883 76134 80053 90233 05418 84528 29832 99181 55414 85673
15882 53603 61181 46768 02486 91396 69608 64252 56781 47923
30924 31331 30121 81591 20344 14972 86806 36248 43799 53308
34869 13833 94940 09396 38582 55715
509 36 00000

14654/12177 kHz, 22-12/23-12, 0300/0400 UTC

361 284 37
76248 27751 08778 95475 81717 26431 91181 14132 16301 46387
28796 04558 46098 13311 01033 93559 28947 10396 68947 86889
70926 29649 75558 89553 21649 17050 15393 72307 00494 72498
77962 07783 70991 90480 94852 24685 05541
284 37 00000

14654/12177 kHz, 29-12/30-12, 0300/0400 UTC

361 579 38
96244 42301 33622 26391 50983 02198 47233 80621 30646 31258
87169 58080 29750 00569 76423 86485 25727 66512 17969 61061
71428 52007 94735 13134 81858 98946 25536 58512 19839 15258
94134 11602 10283 65040 93649 76157 37775 75194
579 38 00000

9382/13426 kHz, 05-12/06-12, 0210/0310 UTC

537 268 39
57934 21794 08461 73169 51383 29692 51897 13519 86041 52988
45651 04882 36969 83951 10902 27348 50588 59553 31802 73141
20315 83364 83692 81450 29466 83869 43453 83904 47404 38904
30408 02888 89827 20884 51245 69863 79168 42531 47375
268 39 00000

9382/13426 kHz, 12-12/13-12, 0210/0310 UTC

537 961 40
45038 75993 87674 59425 54088 77752 26956 48012 56638 82232
76279 70555 55521 40205 47486 51176 70931 25556 49628 08263
35407 78980 51198 84345 36965 92401 45963 94040 52569 45046
77108 63497 39116 27122 99360 59785 74119 12031 83794 33666
861 40 00000

9382/13426 kHz, 19-12/20-12, 0210/0310 UTC

537 802 41
43759 61954 60054 88265 53252 99714 74072 53094 94333 06121
92639 86314 00934 34488 75662 29140 62495 23901 52916 77191
65887 27528 59359 25853 65932 84002 85792 92283 39229 05309
12030 50037 00974 79603 14775 37204 89447 12427 67400 24033
47869
802 41 00000

9382/13426 kHz, 26-12/27-12, 0210/0310 UTC

537 691 42

72044 77080 16405 34659 13587 69101 88971 14376 69539 00443
27291 32689 87953 93073 24779 49530 07728 12649 40552 89646
73466 61571 58471 06605 99274 16680 69344 62525 11151 60004
18453 34468 22698 76024 85595 83423 23804 13874 89850 46836
87015 37915
691 42 00000

E07

9243/8143/7643 kHz, 1400/1420/1440 UTC

9243/8143/7643 kHz, 03-12.10-12/17-12/24-12, 1400/1435/1510 UTC

116 116 116 1 379 277 379 277

46463 64094 01838 02514 09047 94177 70636 22950 66591 40274
04124 45456 30463 76773 00147 69264 99700 89709 97156 94706
91208 36360 79236 51274 92298 06431 02130 21773 77451 26147
17770 16439 95126 87456 19554 12105 08279 65006 35855 83045
61596 25525 24789 77799 57688 12052 47020 98184 26115 51858
48238 98257 09590 43334 01952 72925 84923 29388 95306 72989
78082 47997 84556 54075 65493 90996 75043 15703 13355 19974
98432 69175 09509 45259 79595 23365 08311 60349 28563 93515
63329 81328 49026 77335 46969 11190 27832 08820 65116 05017
99875 58214 07532 40507 42747 06842 61699 43321 44937 87698
62077 67831 35179 45115 64512 94797 42393 02459 75676 49062
27905 26935 61197 05018 64543 75714 46755 18610 33139 11572
35491 10417 31688 52624 59823 30319 59983 13600 52954 90596
75120 54519 01494 38046 42228 11243 43482 06010 56448 26644
16179 84929 20477 57381 86032 48766 24782 58601 01780 16644
35229 06252 14163 74380 82394 99896 50434 39626 46884 49891
79120 43236 72769 02014 00409 02195 40447 19999 26452 48624
12246 26551 20105 71656 49649 61961 47119 84574 61988 47261
64967 09741 54633 32905 22878 84999 61411 92053 49261 16250
18746 74150 46312 71149 53534 59139 98878 47271 73027 29090
15073 85752 90353 61568 78301 93223 51459 58444 66863 23734
41078 47521 58034 61587 09008 90128 04146 73659 60584 10022
79653 36934 34243 00605 14638 23106 30129 87789 97070 08452
92631 66714 76149 76158 74886 64663 25539 62851 23778 70495
01771 32488 44471 77075 88323 94717 40275 48051 55707 14325
53644 96171 44926 30608 28097 96579 62371 49132 75598 43164
98775 43004 85868 12456 32286 73066 03826 65895 10957 04578
93405 41398 88435 06285 20247 00736 90582 000 000

9326/10426/11526 kHz, 0700/0720/0740 UTC

9326/10426/11526 kHz, 04-12/11-12/18-12/25-12, 0700/0735/0810 UTC

345 345 345 1 379 277 379 277

46463 64094 01838 02514 09047 94177 70636 22950 66591 40274
04124 45456 30463 76773 00147 69264 99700 89709 97156 94706
91208 36360 79236 51274 92298 06431 02130 21773 77451 26147
17770 16439 95126 87456 19554 12105 08279 65006 35855 83045
61596 25525 24789 77799 57688 12052 47020 98184 26115 51858
48238 98257 09590 43334 01952 72925 84923 29388 95306 72989
78082 47997 84556 54075 65493 90996 75043 15703 13355 19974
98432 69175 09509 45259 79595 23365 08311 60349 28563 93515
63329 81328 49026 77335 46969 11190 27832 08820 65116 05017
99875 58214 07532 40507 42747 06842 61699 43321 44937 87698
62077 67831 35179 45115 64512 94797 42393 02459 75676 49062
27905 26935 61197 05018 64543 75714 46755 18610 33139 11572
35491 10417 31688 52624 59823 30319 59983 13600 52954 90596
75120 54519 01494 38046 42228 11243 43482 06010 56448 26644

16179 84929 20477 57381 86032 48766 24782 58601 01780 16644
35229 06252 14163 74380 82394 99896 50434 39626 46884 49891
79120 43236 72769 02014 00409 02195 40447 19999 26452 48624
12246 26551 20105 71656 49649 61961 47119 84574 61988 47261
64967 09741 54633 32905 22878 84999 61411 92053 49261 16250
18746 74150 46312 71149 53534 59139 98878 47271 73027 29090
15073 85752 90353 61568 78301 93223 51459 58444 66863 23734
41078 47521 58034 61587 09008 90128 04146 73659 60584 10022
79653 36934 34243 00605 14638 23106 30129 87789 97070 08452
92631 66714 76149 76158 74886 64663 25539 62851 23778 70495
01771 32488 44471 77075 88323 94717 40275 48051 55707 14325
53644 96171 44926 30608 28097 96579 62371 49132 75598 43164
98775 43004 85868 12456 32286 73066 03826 65895 10957 04578
93405 41398 88435 06285 20247 00736 90582 000 000

13539/12139/10239 kHz, 1500/1520/1540 UTC

13539/12139/10239 kHz, 06-12/09-12, 1500/1520/1540 UTC

512 512 512 1 287 98 287 98
63377 18908 49222 07696 46012 93780 39496 71098 12943 66296
75603 96875 81781 61945 81898 48709 94824 09945 44628 39196
71968 03005 15320 11387 75086 18072 27799 06223 99376 15637
48403 06298 19837 65073 67290 09028 94949 51728 66424 73247
43039 34291 38959 10446 74349 54808 11747 31034 33680 54992
58340 45724 58516 81254 29412 81356 77176 82084 34934 90570
92233 02564 73761 85686 32723 21760 84070 32772 99112 61682
25210 78714 95788 12980 00096 63427 36928 23821 53175 29383
60806 83810 99110 08793 09179 92531 72969 93733 90915 31587
98013 00538 59524 64201 41689 83516 66623 67609 000 000

Notes from PY:

10239 kHz, 09-12, 1535 UTC: 1000Hz test tones, first DSB, then USB (no carrier)
10239 kHz, 09-12, 1536 UTC: 1000Hz test tones, first DSB, then USB (no carrier)
10239 kHz, 09-12, 1537 UTC: 1000Hz test tone, J3E USB
10239 kHz, 09-12, 1540 UTC: 512 1 287 98 63377... J3E USB modulation

When the 1540z transmission ended, I also noticed carrier spurs on each side going out at the same time as the transmitter. They're actually visible on fullday for all three transmissions, at roughly +10kHz and -10kHz, and also two more that I hadn't seen around +30kHz and -30kHz. So there was that too for transmitter artifacts, on top of the H3E and DSB.

13539/12139/10239 kHz, 20-12/23-12, 1500/1520/1540 UTC

512 512 512 1 362 118 362 118
93600 29933 24808 91726 03267 54658 58098 73549 18750 39365
46707 03149 00432 76018 29360 62124 22111 54838 63565 92131
69045 16337 52197 60366 91877 25831 79845 49538 36506 47192
95530 83126 70197 02748 15110 14055 51768 41636 41502 03085
06006 57393 23220 65616 34170 64532 02512 81359 85438 97181
68980 57526 71962 15629 43884 57777 66723 06405 50305 93593
92079 36019 91215 79858 84826 62629 30847 12239 03672 69260
12704 89881 94654 15244 70070 53705 61359 14168 24496 39932
00962 74902 00389 07285 45652 50461 66826 67286 89071 73954
83102 12213 15350 54317 23304 45196 08644 91072 35316 95600
03994 97864 49570 16944 48218 33140 85377 23416 72075 19752
34676 19949 85559 34072 07347 39596 60333 36489 000 000

10226/9226/8126 kHz, 1410/1430/1450 UTC

10226/9226/8126 kHz, 08-12/10-12, 1410/1430/1450 UTC

674 674 674 1 8343 77 8343 77
62800 56117 74570 04117 24362 83767 29440 52988 34486 52968
09325 34055 32383 94275 50762 57509 64289 86674 93325 49123
24155 79885 14154 19251 45442 27339 41972 64877 90112 24787
86294 17317 03870 98903 56466 61888 77681 98625 63474 87913

60578 91099 03387 92077 39925 42490 76181 73618 97797 21072
12380 28205 72527 96097 07921 97808 87719 70295 83315 11072
38289 05419 21896 72932 22213 43244 30596 16914 79414 01115
37837 23569 23351 87375 34455 58978 96889 000 000

10226/9226/8126 kHz, 22-12/24-12, 1410/1430/1450 UTC

674 674 674 1 126 48 126 48
21432 15770 04411 54926 87916 85900 93975 54559 70095 43799
14777 97456 83623 37516 84881 65543 30840 98000 39243 87735
37825 80016 18798 29999 59950 24088 73303 20889 09552 94275
70688 28963 89780 58196 65140 35262 23848 98744 15425 14791
78634 61228 51657 79369 20707 79639 64312 94299
79639 64312 94299 000 000

E11a

7850 kHz, 02-12/04-12, 0600 UTC

354/39 Attention
32949 04868 43928 17659 88761 22985 00151 68112 54322 55274
59311 72307 08558 90489 77126 08074 49595 97560 33388 16431
77564 91035 79052 34584 44365 41664 08259 15592 13902 87089
57097 30003 81536 40948 07208 56392 55392 02563 53537
Attention (message repeated) Out

4909 kHz, 03-12, 1530 UTC

365/37 Attention
19573 46998 59763 67791 42813 64134 52159 45674 89685 32962
10722 83144 52995 71942 43914 08286 88463 24635 01591 61474
91596 60600 80299 72880 37552 05021 47565 86639 76689 59220
64316 57758 69255 23127 64545 17697 32247
Attention (message repeated) Out

16005 kHz, 05-12/07-12, 0640 UTC

942/30 Attention
12453 56446 25274 32014 61287 49929 86377 57793 95040 86853
86658 84266 10712 85639 04766 55330 83904 77728 16961 33346
06076 84395 23718 55306 88981 03951 11674 19267 19125 17737
Attention (message repeated) Out

12924 kHz, 05-12, 1745 UTC. Id missed

24?/30 Attention
12330 95724 12973 00277 44497 79346 71003 62647 24291 38073
64180 91005 29451 91997 45451 28724 12906 09400 43811 46211
48047 34679 85790 21267 84299 63479 25189 55591 83261 57679
34637 57484 40962 52222 69472 00020 40478 34060 20821 37412
Attention (message repeated) Out

9130 kHz, 06-12/08-12, 0730 UTC

637/37 Attention
85230 87192 39843 47719 92415 88041 06736 96302 94399 10944
78270 18704 38240 41215 61475 18524 75430 16552 54923 91157
03389 07778 70395 95942 34026 04767 21635 00568 81428 99654
87609 98883 32782 41483 57392 80591 11558
Attention (message repeated) Out

13908 kHz, 06-12/08-12, 0745 UTC

228/38 Attention
05435 51637 05670 69457 29338 20842 05686 87155 03790 25617
00428 23110 67139 51565 25204 59884 11286 97894 34576 21688
09537 23841 91520 45678 36041 86972 10498 34923 38513 88598
53632 61544 71361 42768 79319 24480 94866 48860
Attention (message repeated) Out

17378 kHz, 06-12/08-12, 0845 UTC

153/33 Attention

75164 48944 47531 36080 99349 60009 49708 69727 48654 73313
58489 05489 62945 97545 85914 33136 09752 00666 90726 85666
45154 17747 06834 21439 89531 61703 96270 37187 79907 53242
93512 21947 40459

Attention (message repeated) Out

5432 kHz, 06-12, 1605 UTC

237/36 Attention

15787 59828 11693 87498 30404 91147 81399 04426 95671 62899
64372 54011 21053 81422 05883 95118 07923 40461 42060 68450
45825 45857 80828 04494 96849 69001 08954 47127 81888 66727
72880 74886 37356 67824 59305 47076

Attention (message repeated) Out

12067 kHz, 07-12, 0845 UTC

715/38 Attention

84050 40961 19510 90372 87490 87176 58952 99598 02879 82716
72482 30381 48894 17034 42563 14907 10634 92042 51205 47653
48128 73139 55247 07283 67507 48914 85753 79693 54438 18058
64430 59743 94552 75721 53740 12800 83849 53019

Attention (message repeated) Out

5082 kHz, 07-12/09-12, 1715 UTC

977/32 Attention

01232 60830 86949 63001 35079 63512 10945 44013 11005 14698
65951 40261 44664 24435 55268 12199 96192 91154 20448 65794
48593 34602 11199 50781 59379 87139 97896 37066 22122 40129
99520 90037

Attention (message repeated) Out

4505 kHz, 07-12/10-12, 1910 UTC

394/36 Attention

68468 69748 36054 06813 38763 04099 57064 78224 68492 70931
74074 48186 35808 40018 77048 98824 32231 56154 75498 30866
70708 15665 43794 27728 80705 24277 25630 11027 19406 84488
35094 63373 97925 05468 24195 00876

Attention (message repeated) Out

6849 kHz, 09-12/11-12, 1815 UTC

925/33 Attention

25430 85939 59105 24996 11293 25874 75116 55146 70108 18290
61610 83288 14474 41920 91775 01021 61907 90195 42607 81695
91006 67748 01763 73308 88838 95036 03799 42730 19586 24801
31800 43284 78427

Attention (message repeated) Out

5432 kHz, 11-12, 1605 UTC

237/36 Attention

15787 59828 11693 87498 30404 91147 81399 04426 95671 62899
64372 54011 21053 81422 05883 95118 07923 40461 42060 68450
45825 45857 80828 04494 96849 69001 08954 47127 81888 66727
72880 74996 37356 67824 59305 47076

Attention (message repeated) Out

12924 kHz, 11-12, 1745 UTC. Extremely poor signal. First half unreadable

247/40 Attention

_____ 09400 43811 46211
48047 34679 85780 21267 84299 63479 25189 55591 83261 57679
34637 57484 40962 52222 69472 00020 40478 34060 20821 37412

Attention (message repeated) Out

12153 kHz, 15-12, 0505 UTC

330/33 Attention

59846 78918 56660 58319 84685 20535 06677 02200 71282 58758
91786 14969 80639 93534 27301 13859 74210 27257 44367 81395
59712 36242 79563 49173 50724 52846 75189 84512 19125 70664
14496 09920 45288

Attention (message repeated) Out

5371 kHz, 17-12/18-12, 0700 UTC

496/36 Attention

37040 42045 85984 50025 60242 83871 68167 76116 22432 86516
91033 47767 48200 22045 17704 43288 47357 97617 69640 78234
25427 74996 97982 72096 49002 73156 73423 75581 28973 37738
90682 05210 32257 92780 04651 13053

Attention (message repeated) Out

4909 kHz, 19-12/22-12, 0450 UTC

414/32 Attention

54366 73137 08700 82368 15293 69177 76922 69207 78174 25431
54523 98783 46983 45471 17347 04554 15599 52240 03944 66698
90588 93043 89805 33795 92216 90306 87199 88283 16437 54452
00387 85650

Attention (message repeated) Out

10213 kHz, 19-12, 0745 UTC

260/40 Attention

31150 58069 06265 55062 46062 24668 22151 98105 45464 01449
29398 83491 41864 31651 71256 43307 96946 06339 92995 35141
56185 33564 84191 36925 76653 56437 64697 96567 82820 84404
17117 50294 57207 06155 98577 76912 33094 40001 43551 06222

Attention (message repeated) Out

11092 kHz, 19-12/21-12, 0900 UTC

537/38 Attention

44453 78959 44055 16014 17484 76809 24619 49041 43602 08675
54968 42837 94051 28026 11314 67530 12605 15097 31566 33389
48976 06811 07130 30269 35739 46452 05883 33566 26775 81089
78809 73827 07934 33596 32824 55893 90816 79796

Attention (message repeated) Out

4909 kHz, 19-12/22-12, 1300 UTC

315/33 Attention

96614 61800 77044 53170 21154 83627 23652 86737 65945 66064
29552 78912 34244 50523 91946 95005 43971 55059 89353 29475
39456 94542 68019 62876 73823 38728 44156 22192 60109 83187
47341 31341 64600

Attention (message repeated) Out

13363 kHz, 20-12, 1430 UTC

915/34 Attention

58854 84492 03379 71908 12147 18088 98631 91819 57012 49541
57281 85602 65778 46001 23835 20315 06681 79737 62576 43575
46039 70192 64953 35675 33606 06752 42356 42276 00741 30284
75327 80954 86947 96337

Attention (message repeated) Out

7469 kHz, 21-12/22-12, 0930 UTC

275/34 Attention

60792 52595 94273 99072 48919 88086 79698 09881 18632 52120
32614 82684 53081 67342 44892 86927 44315 50480 14798 03121
09749 53675 66941 20422 75049 30478 18969 36510 03274 16391
11297 71863 73568 29032

Attention (message repeated) Out

5149 kHz, 22-12/23-12, 0820 UTC

430/32 Attention

83036 09380 27299 37812 64961 65111 89613 19524 58387 34576
30806 23130 85623 41556 12919 15777 74396 73292 78417 52880
52436 87334 25842 58096 66875 25008 41687 83532 47212 39419
03713 05125

Attention (message repeated) Out

5409 kHz, 22-12, 1530 UTC

260/40 Attention

31150 58069 06265 55062 46062 24668 22151 98105 45464 01449
29398 83491 41864 31651 71256 43307 96946 06339 92995 35141
56185 33564 84191 36925 76653 56437 64697 96567 82820 84404
17117 50294 57207 06155 98577 76912 33094 40001 43551 06222

Attention (message repeated) Out

5082 kHz, 22-12/25-12, 2000 UTC

521/35 Attention

91473 91319 42459 23951 58311 70865 34836 65401 46277 02194
11938 77235 38736 18722 77265 41412 08077 88779 60275 73404
11490 21659 72605 08475 26709 58982 88588 72058 45467 51502
00400 24510 62009 17500 76567

Attention (message repeated) Out

11104 kHz, 26-12, 0715 UTC

752/32 Attention

93642 97258 26810 47105 91845 67926 19449 87928 73282 57180
08353 12812 57597 75553 16592 05620 23216 89350 43915 57590
05123 37354 25538 45980 86455 87759 38754 33566 58176 89860
85255 72223

Attention (message repeated) Out

14940 kHz, 26-12/30-12, 0830 UTC

185/35 Attention

57215 42696 37043 18020 89411 61293 12986 17410 73025 84100
84748 55876 00842 18163 84009 56782 56870 47869 93779 81784
92962 37737 15848 38601 60985 98177 85353 60831 99015 02692
68005 23957 39666 65965 54870

Attention (message repeated) Out

11100 kHz, 26-12/28-12, 1045 UTC

692/31 Attention

83912 25779 51529 79207 35434 75082 98835 53253 51489 11054
74212 48044 67116 82355 24941 17263 93355 98184 25791 40916
41956 89834 61783 60580 22459 06126 98031 03888 68587 22763
05003

Attention (message repeated) Out

6849 kHz, 26-12/29-12, 1900 UTC

647/35 Attention

48825 41393 24827 15185 99159 44956 34207 17005 27404 89082
02690 40146 87356 69134 81336 88337 91715 84498 62617 17196
67102 95756 97770 58990 10952 80389 92925 14108 78694 73059
39876 55357 37945 31534 29536

Attention (message repeated) Out

7840 kHz, 27-12/29-12, 0645 UTC

511/30 Attention

76374 28718 81117 16920 82198 86845 29131 84679 23923 75682
37227 15927 90012 98977 54219 51604 38752 14606 41931 94961
44143 51099 08305 92460 99227 12215 28376 31878 19986 79906

Attention (message repeated) Out

6804 kHz, 27-12/29-12, 0700 UTC

575/34 Attention

92816 23832 95849 17681 49116 93737 54238 71689 23539 12801
60945 52824 85406 25485 03984 73392 17288 50002 35531 83302
47642 46547 95221 67028 86196 87466 68509 56590 19494 56336
58678 35694 44889 12043

Attention (message repeated) Out

14611 kHz, 27-12/28-12, 0820 UTC

132/32 Attention

01211 69750 92612 84647 17387 52155 09304 74586 29873 15456
29418 41313 44001 52899 62938 92261 26055 91124 19707 25934
51808 96923 03624 06518 81025 40938 73372 16150 47071 66409
18795 09978

Attention (message repeated) Out

9079 kHz, 27-12/30-12, 1000 UTC

308/21 Attention

84248 50100 10866 68993 08988 13541 84976 51928 19010 60215
58838 16213 12855 70933 10083 95233 16499 19410 87169 56968
61326

Attention (message repeated) Out

6433 kHz, 27-12, 1205 UTC

463/36 Attention

74837 27825 45275 18026 55933 67413 59461 21859 01348 86904
82887 60865 74950 79327 75740 44896 51270 62870 22486 76714
97848 47896 53433 31326 32913 84840 05127 07506 71876 36609
47328 27641 82779 05093 85623 88570

Attention (message repeated) Out

11104 kHz, 28-12, 0715 UTC

752/32 Attention

93642 97258 26810 47105 91845 67926 19449 87928 73282 57180
08353 12812 57597 75553 16592 05620 23216 89350 43915 57590
15123 37354 25538 45980 86455 87759 38754 33566 58176 89860
85255 72223

Attention (message repeated) Out

17378 kHz, 28-12/30-12, 0745 UTC

343/32 Attention

29003 80005 77291 07266 56434 42931 42259 74863 52600 61700
97657 66630 78459 21796 53183 76745 72719 66241 03183 88491
62754 81502 51730 44246 57207 05010 19818 92688 86572 76285
37826 60425

Attention (message repeated) Out

6433 kHz, 28-12, 1205 UTC

463/36 Attention

74837 27825 45275 18026 55933 67413 59461 21859 01348 86904
82887 60865 74950 79327 75740 44896 51270 72870 22486 76714
97848 47896 53433 31326 32913 84840 05127 07506 71876 36609
57328 27641 82779 05093 85623 88570

Attention (message repeated) Out

S06

7672 kHz, 02-12, 1900 UTC 319 319 319 00000

5457 kHz, 02-12, 2000 UTC 319 319 319 00000 XP shut down sound

11616/9322 kHz, 01-12, 0400/0420 UTC

480 00000 480 973 64
19696 78494 07165 96501 61017 37333 35483 73460 46370 85545
77029 49913 03794 06161 36179 68909 29363 58738 81611 03212
08749 55881 72595 05488 61908 55458 63890 51568 53116 79502
43951 50200 33511 95692 86115 17752 08351 22383 17469 41293
46160 43090 35077 78490 71963 41410 24265 67755 11785 92260
58632 47091 80605 70430 86503 05056 30968 62332 33478 12307
04408 91930 75793 07135
973 64 00000

11616/9322 kHz, 02-12, 0400/0420 UTC

480 615 70
24884 82538 27437 95708 84325 30438 34728 42929 33149 32575
07686 79909 83186 29438 30357 09955 41372 82718 21337 51702
04190 66326 82568 51861 65119 22337 72850 21484 39749 05327
23231 81710 38255 63512 36495 29930 39929 30155 37908 62277
49454 23651 69430 13427 39589 79754 44566 99602 09983 64359
06046 75749 16782 40293 53534 42802 52721 86551 33541 65991
82404 93404 08721 90118 62433 81827 48768 62744 01097 20679
615 70 00000

11616/9322 kHz, 05-12, 0400/0420 UTC

480 729 51
86410 25887 75288 53213 76548 82424 85947 40038 46582 53441
51809 55948 22709 34837 51953 69261 86150 05839 23116 41671
10378 33880 77827 87656 01952 97542 12876 85567 99662 01001
75293 76295 11657 78417 78044 10486 95236 11703 82617 30222
09037 10105 90690 96116 92230 25043 12071 95756 50494 98637
01090
729 51 00000

11616/9322 kHz, 06-12, 0400/0420 UTC

480 513 62
79700 84518 84835 85376 96838 92891 66595 25954 20232 20496
98333 55876 39189 27912 28154 16615 40820 24490 46817 57068
20085 12356 76554 21377 37606 69196 53728 05973 23659 61999
66274 90552 51805 08935 31872 72670 30581 31570 27772 60620
86699 64606 08221 04321 38181 15323 70420 68866 80879 89908
54965 80440 36810 28884 91682 99289 37738 18791 26825 99423
42460 72334
513 62 00000

11616/9322 kHz, 07-12, 0400/0420 UTC

480 629 51
08710 98914 78454 11045 35008 17606 58195 92632 14690 61349
36697 49591 49348 22171 69374 10424 13710 09718 59525 41900
67961 31630 53912 95676 34618 96654 52104 23770 19638 38956
21777 23815 52462 87056 37162 00046 84662 25843 82821 50934
71893 25075 89946 19429 68837 32834 97365 66727 91812 57356
54437
629 51 00000

11616/9322 kHz, 08-12, 0400/0420 UTC

480 735 61
27846 73423 14213 76250 69777 43580 15833 80233 77614 64861
45118 03064 83847 06727 59400 56569 48468 48400 26161 09970
51634 35969 77274 04839 87225 43875 85222 79926 05701 82992
72218 60531 79724 22469 88179 92113 90969 17530 18484 22835
61564 60423 07454 64706 78591 96698 08493 88042 85101 74002
96824 28899 36060 15586 05767 14194 42684 35701 72477 34178
53581
735 61 00000

11616/9322 kHz, 09-12, 0400/0420 UTC

480 129 53
65998 65040 23307 60403 52161 54681 72563 46602 56088 05676
17823 91835 14340 44355 83403 55950 92430 04722 46416 35022
98351 39790 12247 32516 07125 88114 65916 09844 82324 25167
47759 58501 05521 54281 26857 60971 49563 16823 70656 32595
56647 26291 34225 61571 07112 56029 17567 89306 89888 35247
64445 98267 10554
129 53 00000

11616/9322 kHz, 12-12, 0400/0420 UTC

480 637 54
16522 59989 50132 57094 59187 61366 32330 19918 08949 70710
93355 54681 21453 79318 30002 21880 56876 51522 56197 27459
01452 76077 78680 94941 96904 57099 70440 26346 13741 24234
40329 44041 29312 66761 22321 30760 96612 21308 32826 09939
14732 67862 69514 33576 36902 13777 50081 69801 77087 70445
14383 07337 01040 52347
637 54 00000

11616/9322 kHz, 13-12, 0400/0420 UTC

480 519 62
86050 60336 17609 09286 99735 64787 41366 42503 72635 36690
04600 10778 42032 61163 01441 02420 12717 53454 39547 87822
72197 03708 07701 76206 68104 32769 98580 48223 64999 44961
16396 12883 22760 88772 24075 62241 63739 61393 09685 22265
20879 18033 76790 23339 83966 71962 88408 38832 86228 96222
19280 65169 98438 62916 96114 41846 22734 81053 30530 34819
03332 18851
519 62 00000

11616/9322 kHz, 14-12, 0400/0420 UTC

480 362 51
38098 13815 39080 26493 32280 46372 75261 00047 91694 43761
74263 07506 52488 71364 61171 40394 77717 46670 09585 72248
37784 10246 40071 69653 59333 38948 30049 60397 59793 87370
64781 07194 09748 68462 84171 60414 90323 09227 05046 88256
37794 42464 23618 07791 92567 20490 27807 65328 94765 61758
74112
362 51 00000

11616/9322 kHz, 15-12, 0400/0420 UTC

480 715 63
03977 94455 63347 52224 53406 41762 13090 29030 87679 15334
43421 50352 29509 32993 39816 00459 58881 64972 79877 74533
62864 76656 15796 34886 34716 17908 89733 31546 95756 26162
18037 67128 38427 35475 05251 10619 13981 08728 73845 89775
13235 35144 20609 16832 13836 60344 35633 27186 92453 41101
44838 35766 25368 41884 61968 40759 25859 16094 60998 29396
91861 37061 04884
715 63 00000

11616/9322 kHz, 16-12, 0400/0420 UTC

(Note: 0420z 9322 kHz The transmission was aborted in the 32nd group and not continued.)

480 236 51
18145 40487 66753 46955 97801 53698 28839 44467 55458 65793
75066 37866 01250 26149 20855 21903 72195 11148 79527 95294
97402 18940 79905 67456 25479 75254 39082 41109 31337 36171
20054 19211 44582 98812 28914 09634 66669 55876 31271 26043
69015 54954 92599 08392 89259 48576 72209 11496 67856 45914
25502
236 51 00000

11616/9322 kHz, 19-12, 0400/0420 UTC

480 971 63
74628 35614 28014 91726 65778 72963 16024 04405 23858 94519
68158 29731 88108 75662 32197 35976 21740 16690 05888 68191
06624 85042 91839 41463 03323 84196 85735 00673 43640 85154
77512 45197 47872 81461 70234 49187 83957 53708 46318 75468
10711 54432 35815 07685 72319 49376 66427 47147 36304 76020
99953 49796 92120 05351 84846 00548 52593 17774 79570 48825
25372 29143 26448
971 63 00000

11616/9322 kHz, 20-12, 0400/0420 UTC

480 523 61
44491 57245 93688 37452 79833 13793 39977 08421 41192 97601
66260 86877 22883 24071 43656 73993 33659 26489 61231 03263
56785 75163 15425 56364 73106 11500 74177 52568 51787 20456
32955 97597 38415 89811 04855 02915 95158 29697 11983 11347
72656 50805 70286 90002 18340 24742 85027 76407 50865 74932
99097 88799 55344 71543 61344 36524 79066 28834 07105 91464
32399
523 61 00000

11616/9322 kHz, 21-12, 0400/0420 UTC

(Note: 0420z 9322 kHz The transmission was interrupted in the intro and not continued.)

480 679 52
81735 43349 71820 57136 28234 79848 11363 25130 44888 73031
59152 35070 57669 92863 40578 66720 04431 98800 78874 41004
88587 76940 24625 86303 04381 35087 74825 52524 00910 91656
61187 71332 77118 19376 12358 86040 24932 29700 19760 99547
62720 08885 61736 13782 26284 41673 65668 59097 09545 83493
12789 37034
679 52 00000

11616/9322 kHz, 22-12, 0400/0420 UTC

480 512 63
38394 91398 59351 23765 44000 35647 69419 56792 15438 88713
35895 03789 67965 61228 58694 73109 62173 25263 18749 47310
75366 64976 00017 36975 89450 09791 24096 97534 93754 42271
58373 13753 24241 97897 83647 81585 01520 98924 32156 42081
99129 89502 31957 47026 10503 64264 18590 61016 68058 07551
99967 29635 04868 85470 85415 68437 18316 57979 14823 52426
36213 03164 48816
512 63 00000

11616/9322 kHz, 23-12, 0400/0420 UTC

(Note: 0400z 11616 kHz no transmission)

480 937 51
05145 29852 78278 92443 86352 10882 31319 61862 78242 12967
48184 44696 16492 82343 74289 14193 73179 83578 28339 18238
34585 57324 34859 60796 02136 93799 35354 76409 58686 32933
32755 71214 67312 27096 48861 28890 94820 27380 99456 04986
77142 79340 16786 58072 68818 39154 74088 91137 43749 46120
91865
937 51 00000

11616/9322 kHz, 26-12, 0400/0420 UTC

(Note: 0400Z 11616 kHz no transmission)

480 651 70

60057 63633 65807 10872 95769 86126 32219 84030 23992 24043
29153 22179 65621 04104 76433 30471 51579 81676 29678 55908
36479 02850 59436 26812 14732 78717 91376 97467 62534 89063
93432 27641 54168 57621 20869 51633 26061 66105 55187 16583
87028 99204 97825 94692 98156 37710 04575 99067 70741 41983
71653 57851 55737 92941 09387 26358 23143 82751 64418 41874
54774 72411 76386 50822 98842 58424 80028 62984 59794 15735
651 70 00000

11616/9322 kHz, 27-12, 0400/0420 UTC

480 392 54

83193 94268 54682 38425 72859 85380 83449 44673 98097 91214
59157 97611 43289 62155 51196 06476 41021 68153 19339 95301
12319 93605 56946 62702 84314 19464 70210 21834 08798 09721
79364 50216 30075 44487 52813 04106 75595 66839 10104 77104
67755 35614 54682 07709 80343 01362 22373 65448 88038 47617
56520 70344 82426 64706
392 54 00000

11616/9322 kHz, 28-12, 0400/0420 UTC

480 765 58

22142 61370 96057 19971 05615 57709 29965 37188 63202 68688
27699 78232 21217 77305 36448 15059 94481 07945 04484 95735
31907 23006 08032 97562 75835 88372 22388 01387 27341 68672
41952 10534 34677 38255 78883 62821 47056 18837 95048 09061
00943 79731 46963 56516 31063 61630 48407 00729 23299 09846
80407 94162 51675 27965 03264 25111 66605 87857
765 58 00000

11616/9322 kHz, 29-12, 0400/0420 UTC

480 219 53

22142 61370 96057 19971 05615 57709 29965 37188 63202 68688
27699 78232 21217 77305 36448 15059 94481 07945 04484 95735
31907 23006 08032 97562 75835 88372 22388 01387 27341 68672
41952 10534 34677 38255 78883 62821 48056 18837 95048 09061
00943 97931 46963 56516 31063 61630 48407 00729 23299 09846
80407 94162 51675
219 53 00000

11616/9322 kHz, 30-12, 0400/0420 UTC

480 753 60

74820 14270 01372 16925 73841 73848 74256 19487 93275 83726
85138 71106 86134 65488 99532 62313 94890 55586 95185 34258
62380 28627 22251 98334 23668 25440 87392 75428 96056 71870
91494 03241 09427 99233 75677 85105 44100 02366 55302 78756
68400 96204 46646 48463 93118 56854 15945 29000 85059 58052
05488 74849 06848 38982 16444 93111 75207 64377 53125 83532
753 60 00000

S11a**9050 kHz, 12-12/15-12, 0700 UTC**

471/38 Vnimaniye

94138 90598 35584 64623 76435 46193 36065 53382 21268 60207
10721 61951 26105 70757 52280 71533 18660 49405 79313 15851
14712 10994 35769 08980 92842 08179 39594 08440 41126 99855
58435 03892 42903 90062 75197 77136 74560 17624

Vnimaniye (message repeated) Konets

6252 kHz, 13-12/16-12, 1400 UTC

425/39 Vnimanije

47683 90079 23820 96714 30970 19528 69345 18930 04643 65753
82726 27843 72481 58711 83417 41350 91504 10055 62020 80371
95541 90685 16484 93438 79678 56200 80104 16271 23866 45753
24819 37786 36314 46695 90362 21207 34810 69125 61905

Vnimanije (message repeated) Konets

12530 kHz, 15-11, 0500 UTC

381/39 Vnimanije

09573 78990 33756 16277 30392 26114 71515 54919 10517 74864
74790 99071 50304 10134 91727 54542 44359 15679 62456 23923
61531 94076 53994 49972 62415 61927 75737 87416 90105 48178
24214 72586 21163 70324 04692 56896 43072 81813 35324

Vnimanije (message repeated) Konets

5371 kHz, 17-12/18-12, 0830 UTC

376/39 Vnimanije

87827 72133 22841 85603 88556 90509 60237 17256 65131 24812
99541 98248 51057 42155 98394 27293 01900 61416 50479 88737
65487 05725 16807 23692 36581 77103 27840 34033 78640 29213
35621 45089 28763 30038 21579 74687 17367 09521 43031

Vnimanije (message repeated) Konets

9057 kHz, 19-12/21-12, 0510 UTC

654/35 Vnimanije

00919 95386 37600 26761 82653 41692 21197 90104 22636 55220
50172 73421 58694 81904 42323 47742 83093 51076 91756 75124
35267 10349 83431 22894 87196 76267 71086 79664 60298 91519
51952 03666 78548 55738 59648

Vnimanije (message repeated) Konets

6252 kHz, 19-12/23-12, 0915 UTC

482/34 Vnimanije

66713 76561 83762 70727 52619 21885 53379 47249 59224 30855
22364 65153 31447 15795 19773 63780 23458 52074 81925 39436
23967 92621 96762 84380 85068 44838 34825 36884 59796 88543
74489 24410 59765 02549

Vnimanije (message repeated) Konets

11559 kHz, 20-12/22-12, 0445 UTC

794/40 Vnimanije

26814 36751 26577 34366 77540 67484 97048 99683 81149 75190
92746 12577 33500 94634 57774 40729 56042 33404 05133 42951
08782 53844 84498 21057 71930 20041 34254 87625 57997 56407
87727 69105 21135 50993 53937 02942 50646 18299 39775 46863

Vnimanije (message repeated) Konets

11486 kHz, 21-12/24-12, 1850 UTC

282/31 Vnimanije

46251 36625 88570 27660 41789 55295 20074 07638 62571 27922
25921 86297 18409 66822 09853 50378 11181 07355 88252 07928
50467 35756 11094 28405 11644 74936 52306 90091 02485 67764
67974

Vnimanije (message repeated) Konets

V07

11594 kHz, 04-12, 0100 UTC

571 571 571 1 6038 90 6038 90
00882 09724 62031 07010 28643 17692 58720 28608 78614 82470
24695 46785 70615 17868 38129 41989 23565 68720 58146 24469
77572 23117 80058 97650 16392 50343 44510 18052 94590 99639
20580 14938 76755 93566 97549 44150 76382 01533 96930 35258
86612 09341 12976 56023 00024 87142 21625 26505 95158 60751
47999 54806 25131 19123 87249 19312 86783 78572 57512 79881
96207 51907 70849 74437 21668 91658 44806 69414 38132 93440
06743 94461 34400 45754 45282 00258 39580 09661 45679 24099
15192 82697 11450 41165 36408 75512 30611 27123 31825 07892
000 000

VC01 – a.k.a. Chinese Robot (Chinese Air Defense)

6569 kHz, 12-12, 1638 UTC
6569 kHz, 16-12, 1632 UTC

VC03 - Chinese Air Defense

12778 kHz, 12-12, 1010 UTC, in progress, repeated on 12450 kHz

12450 kHz, 12-12, 1014 UTC

22 21 0765 9833 9802 9806 17 1800
1514 2503 44 2003 7303
1614 0814 8122 0806 8055 9833 9813 8133 0815 8144
1313
The message was 6x repeated

MORSE STATIONS

M01

5320 kHz, 01-12, 1800 UTC

197 729 729 30 30 = =
85674 23189 35275 10573 26486 15209 35275 41867 30789 45367
18456 26487 20785 23156 30897 34527 12564 20674 28674 10678
27032 17598 32708 23154 56386 13426 56480 25468 10648 23140
= = 30 30 729 729 000

5465 kHz, 04-12, 0700 UTC

197 942 942 30 30 = =
86754 45365 98076 23416 76849 74526 87946 26341 98456 56375
86753 45276 35476 26453 86574 92645 25476 87631 87654 93578
36578 13242 89765 56437 56435 76857 34254 76853 97896 87658
= = 942 942 30 30 000

5465 kHz, 04-12, 0700 UTC

197 942 942 30 30 = =
86754 45365 98076 23416 76849 74526 87946 26341 98456 56375
86753 45276 35476 26453 86574 92645 25476 87631 87654 93578
36578 13242 89765 56437 56435 76857 34254 76853 97896 87658
= = 942 942 30 30 000

5320 kHz, 06-12, 1800 UTC

197 167 167 30 30 = =
 25348 10674 25637 10672 37241 06729 70173 26471 67209 15270
 64529 15628 34190 27032 17492 31638 44525 10562 56673 90925
 31452 41756 20781 74750 44221 52732 74510 41562 66181 66441
 = = 167 167 30 30 000

4490 kHz, 06-12, 2000 UTC

197 365 365 30 30 = =
 19567 24175 47209 67341 27583 45170 23145 64529 45174 10011
 27032 18475 33751 64825 36149 26150 67519 30152 78142 66415
 67173 16716 51731 42741 41750 41750 85105 16429 41852 01011
 = = 365 365 30 30 000

5320 kHz, 08-12, 1759 UTC

The first half of the message was good but the second half was a mess.

197 203 204 30 30 = =
 46576 87799 98788 14234 35544 17656 09098 25436 19980 33423
 45543 24323 36545 87768 56667 566635546 35 2090920 33542
 3257645 5 46656 4665377647 4656746712321 154650 54646567
 465679889 9014232124656747456544
 = = 204 204 3 30 0..... 0..... 0.....

4490 kHz, 08-12, 1958 UTC

The first half of the message was good but the second half was a mess.

197 244 244 30 30 = =
 57656 35454 29890 58789 10099 77656 24345 60981 39078 76567
 45432 12321 98098 57678 00989376553538765 729909 9891886 8
 3765635200982834432 34316545 438989 9998937555 375576785
 28867 287 48767 86100919
 = = 244 244 30 30 0..... 0..... 0.....

5810 kHz, 10-12, 1500 UTC

197 713 713 30 30 = =
 45712 49602 71805 95402 70361 80903 32709 80115 20501 95402
 73836 92785 30502 11371 17920 12805 71803 20964 50107 19703
 30802 33507 50181 47309 95732 23804 36961 05407 32809 10491
 = = 713 713 30 30 000

5465 kHz, 11-12, 0700 UTC

197 706 706 30 30 = =
 61708 53209 81372 52830 09792 31516 70931 50102 36780 93186
 13720 64957 83782 13690 03825 60186 83501 36709 12335 74891
 13704 57793 50192 61771 95302 18704 95332 10307 06831 70955
 = = 706 706 30 30 000

5320 kHz, 13-12, 1800 UTC

197 984 984 30 30 = =
 93847 17625 09187 57483 09175 13245 09175 76848 37254 09174
 95747 91874 84538 06857 57849 10957 33810 48391 09176 33716
 91846 71637 16167 84739 01846 84937 19748 89733 76173 16342
 = = 984 984 30 30 000

5465 kHz, 18-12, 0658 UTC

VVV VVV
 197 183 183 30 30 = =
 18746 18271 01854 83184 84732 02187 97865 35472 01857 37281
 86748 14917 48482 71843 91758 32981 58704 63811 91742 07574
 81745 17151 27163 39174 19687 59175 91746 69609 70473 81031
 = = 183 183 30 30 000

5320 kHz, 20-12, 1800 UTC

197 456 456 30 30 = =
 56654 67876 20989 46533 09098 25343 12321 56567 80911 20937
 56456 37678 19890 37645 35456 67872 10988 35466 67689 10295
 24314 46537 70987 24390 57648 10198 69320 58748 10989 25467
 = = 456 456 30 30 000

4631 kHz, 22-12, 0736 UTC. Different ending; 000 000 vs 000

562 (R3m45s) 145 145 10 10 = =
 03611 54205 45240 09854 24561 71248 29351 43385 95148 24561
 = = 145 145 10 10 000 000

4490 kHz, 22-12, 2000 UTC

197 909 909 30 30 = =
 27032 19562 30892 18572 31964 51840 21492 41905 33132 09317
 67352 10905 73519 45426 10538 21325 67341 63107 42619 44510
 98153 27461 55898 31967 28561 44671 98318 77174 29051 31093
 = = 909 909 30 30 000

5810 kHz, 24-12, 1500 UTC. A mess after group 15

197 415 415 30 30 = =
 57678 13243 09098 38746 29890 35443 17656 38789 40998 16544
 48765 10989 16544 48765 10989 10982655 5438877373909930 154303
 137657 47719098 19816534 1653427766 26 47656 19890 46566
 465627654 26 36436 12233 122 576787 49890 49 46523 46319980 198
 = = 415 415 30 30 0..... 0..... 0.....

5465 kHz, 25-12, 0700 UTC. Different repeats in red

197 503 503 30 30 = =
 57678 35465 25436 14324 10989 25354 57690 19909 36545 18878 **18876**
 37465 29890 58769 25346 37648 39890 15423 26578 50989 15434
 46576 **46579** 13243 35490 57878 56768 35332 10909 37678 47656 68799
 = = 503 503 30 30 000

5320 kHz, 27-12, 1800 UTC

197 027 027 30 30 = =
 27032 01042 26082 21072 28091 23111 28111 30041 09041 45612
 89453 19050 36185 90917 47291 42785 29031 67210 13175 87210
 57492 41683 15629 63196 41630 16294 21730 23072 78320 45176
 = = 027 027 30 30 000

5320 kHz, 29-12, 1800 UTC

197 317 317 30 30 = =
 01746 47893 02113 17648 90187 58741 13176 09165 17365 96843
 76894 11781 38129 01986 16547 41561 06859 59878 57894 02857
 94873 47638 01989 **6** 75648 37827 98716 15361 09261 87164 87165
= = 30 30 000

4490 kHz, 29-12, 2000 UTC. Weak and deep fading. Partly unreadable

197 171 171 30 30 = =
 91873 47637 98175 86754 14362 98164 09175 16453 87165 19876
 15287 18746 17463 39874 28746 97865 27475 86754 98716 76857
 86758 38746 18736 87165 18745 _____ 87623 09176 1 _____ 98163
 = = 171 171 30 30 000

5810 kHz, 31-12, 1500 UTC

197 607 607 30 30 = =
 90561 31787 94506 32791 57205 44709 08302 91523 64891 32708
 41631 79305 13406 01471 10630 80137 49509 30358 91571 41803
 30179 61805 93402 64831 32709 57309 13605 95702 80371 95604
 = = 30 30 607 607 000

M01a

6454 kHz, 13-12, 1835 UTC, in progress

..... 333 = 473 50

28963 97835 90567 54086 73251 75634 08697 53736 94087 75621
94086 75361 28937 18625 37264 36250 08963 73890 67567 38934
76936 75874 37873 93605 76984 38006 37006 93573 64053 76937
62053 93456 76963 76934 76983 38969 87567 97653 38930 08936
21635 16735 16996 88790 86375 93605 74053 76934 08936 75631
= 473 50 000

111 333 = 473 50

28963 97835 90567 54086 73251 75634 08697 53736 94087 75621
94086 75361 28937 18625 37264 36250 08963 73890 67567 38934
76936 75874 37873 93605 76984 38006 37006 93573 64053 76937
62053 93456 76963 76934 76983 38969 87567 97653 38930 08936
21635 16735 16996 88790 86375 93605 74053 76934 08936 75631
= 473 50 000

Another message at 1850z but it was too weak to copy

M12

13386/12189/11491 kHz, 1110/1130/1150 UTC

13386/12189/11491 kHz, 01-12, 1110/1130/1150 UTC

725 725 725 1 6278 95 6278 95
08868 09974 45140 49915 17910 56686 96396 35043 87774 16166
07994 29652 43005 72177 99587 30179 94016 17344 48418 57626
94397 12121 27963 92843 08632 15392 63909 51144 95132 78779
28296 07065 68295 88978 81393 47315 27590 70938 70488 13173
98991 14262 33912 82297 88580 76411 05585 48678 38314 41250
90204 02084 49141 88058 05403 94436 53912 92534 17733 46996
50670 36164 68628 00912 52717 28179 35470 56119 31888 30552
36771 33507 54461 03913 48828 34924 12646 68657 10133 87168
91328 58497 93355 28005 27341 36499 62244 08450 83788 77571
07105 17905 83591 61905 34497 000 000

13386/12189/11491 kHz, 08-12, 1110/1130/1150 UTC

725 725 725 1 3113 92 3113 92
21909 87571 80465 99112 97999 08220 98104 91034 11656 13766
90942 41018 94372 08325 89860 71427 71651 88779 80945 68935
39508 01334 36831 88764 21537 79403 92164 75671 65335 12527
81393 23230 07295 15194 22057 67275 54135 89223 43260 83373
61585 60716 40474 56847 23879 99348 34439 48389 71067 38524
24901 22885 67332 95180 73049 13106 04195 85427 10422 97737
77617 94409 91825 26473 41818 78720 45728 27925 41327 01160
33903 68520 07205 33642 56119 38638 57016 05792 41714 78274
65745 61809 82244 36035 76628 39062 45981 99669 87793 29271
08916 08561 000 000

13386/12189/11491 kHz, 15-12, 1110/1130/1150 UTC

725 725 725 1 1707 95 1707 95
58085 49856 65931 91645 42031 44840 56913 87404 21860 76954
07340 28761 91351 06803 17503 34324 75209 72410 90785 08350
08922 32316 85414 49353 71703 19752 41723 96976 59341 45640
15722 90981 34892 78285 89597 88389 53340 94494 86152 01324
52782 29744 17085 91392 23347 17067 64134 25417 06953 06293
97492 19311 59077 66742 37211 53816 54037 99112 32302 16276
48869 15386 81246 08798 74629 13299 91041 66336 36253 19832
28299 02578 83386 61730 35335 01187 15876 08151 31648 92487
02439 74848 81697 25615 79216 19955 77217 80589 60762 24675
46229 10377 85381 18528 19829 000 000

13386/12189/11491 kHz, 22-12, 1110/1130/1150 UTC

725 725 725 1 8576 98 8576 98
39512 07368 37763 03131 40778 38814 14523 86699 72109 75823
09783 21837 28026 91544 36233 29771 80583 26680 68317 82830
59570 37341 34019 23284 24728 43065 01475 84780 53277 18124
40987 02295 06781 20260 75389 92057 61810 91505 62820 85464
15517 96188 81629 88571 05204 46171 37405 05641 39616 45621
90644 63472 34374 07669 31167 08049 99951 31969 70917 95876
69028 88073 72073 35861 98962 22988 49372 09663 40231 49185
37257 89306 68288 78243 38137 86647 20124 77804 06506 58344
56751 56878 23834 57941 90292 73161 02101 52519 09022 67151
88834 54724 15258 91828 31850 00976 91553 13866 00 000

13386/12189/11491 kHz, 29-12, 1110/1130/1150 UTC

725 725 725 1 1804 93 1804 93
91084 52029 84014 50642 42121 64585 54584 83190 31520 95580
42049 69878 16263 39266 28639 26912 09681 33198 84409 69996
02828 55656 90747 10449 98387 74642 37942 81496 87528 87937
65496 29941 09223 10229 05481 22009 04266 73070 91985 84296
74647 00573 98950 56665 80529 86623 80141 68895 77230 02379
28537 79448 43245 96544 77618 07118 53930 04764 73401 34881
47921 41457 97252 14935 59807 33694 59304 83616 89184 91880
95425 48957 05411 04104 77776 57057 24890 04049 94135 35073
50732 27760 78375 56460 63614 25312 06222 27461 37442 00489
70366 13680 73630 000 000

5832/6832/7732 kHz, 2200/2220/2240 UTC**5832/6832/7732 kHz, 02-12/03-12, 2200/2220/2240 UTC**

887 887 887 1 251 92 251 92
74126 09232 41482 44694 35424 91003 85818 55454 30549 79895
09350 01512 49037 03489 70551 27027 72773 49645 04905 25572
24303 52185 22420 07758 49801 88387 86153 96835 31747 21139
91518 19263 90816 54180 86577 34210 90118 46798 49072 62594
99408 58169 62464 42431 22192 71137 56288 19040 93123 83077
25991 21068 15991 51882 47163 55967 64390 36229 55360 77237
66888 87208 07349 92240 04269 01857 71710 56557 63890 89388
77932 97385 40776 39258 34978 38540 25199 02970 94322 63488
27782 60211 60669 87822 85175 26516 92090 74184 18340 08569
04799 17885 000 000

5832/6832/7732 kHz, 09-12/10-12/16-12/17-12, 2200/2220/2240 UTC

887 887 887 1 436 82 436 83
61777 30305 98877 00789 81529 92435 83159 97499 79224 21928
54676 94277 48880 29945 88894 81354 86102 71581 20830 68006
35376 68860 64864 55829 25591 20527 24998 91427 52233 48981
19482 03842 82151 72689 56831 08560 13875 81008 11664 64946
70887 95155 17460 36985 13457 30849 09874 95541 25831 31644
11675 85129 74804 25070 10790 41522 32815 75724 92442 68799
40875 03962 24805 83733 79445 94703 33365 88959 38997 07842
32602 40902 78837 80904 22081 85131 37436 59365 54297 96463
51633 53791 000 000

12205/13559/14728 kHz, 1230/1250/1310 UTC**12205/13559/14728 kHz, 05-12, 1230/1250/1310 UTC**

973 973 973 1 3676 60 3676 60
96535 53838 45938 33000 29093 88208 61659 06081 87046 68476
54141 95697 71851 38447 62183 59537 94542 29249 40114 79522
74099 23206 09327 26329 36943 61946 53209 54549 96179 47831
05239 14563 13831 77221 80930 64258 82526 91907 18908 58862
74623 96922 72084 87671 57140 91844 86530 36387 31680 98150
81056 03113 77474 06771 13798 30341 19246 75070 05149 57939
000 000

12205/13559/14728 kHz, 12-12, 1230/1250/1310 UTC

973 973 973 1 6229 60 6229 60
51525 05648 32763 89727 26688 11266 88250 89666 24003 87132
37238 84634 93980 59165 83065 86540 39942 05862 33217 84208
85573 07570 29130 94559 90442 50996 34561 84102 39069 41807
49608 70158 97616 74512 52436 09848 32821 38484 73612 53992
06671 25247 72664 79393 90675 25201 60828 75009 85907 46975
59962 99919 62221 73487 18304 40601 65545 60298 75812 62690
000 000

12205/13559/14728 kHz, 19-12, 1230/1250/1310 UTC

973 973 973 1 5125 56 5125 56
44705 79296 54608 88053 56907 36110 22753 38737 93370 67629
76375 75622 18193 27175 00684 22100 50912 69905 82416 11438
96979 60532 53527 08967 38117 85523 08721 81226 53579 46235
22864 05791 05302 75308 96701 92412 13161 80170 33214 09542
82145 55844 81569 83784 64605 64650 07983 91616 32622 18516
62606 46189 09234 12620 67521 47374 000 000

12205/13559/14728 kHz, 26-12, 1230/1250/1310 UTC

973 973 973 1 9573 64 9573 64
11075 55862 98041 27983 83659 62344 05247 86173 26261 76899
24760 84488 22322 46663 66250 11041 03351 57549 41280 03947
10263 62258 73078 98816 60268 54359 81679 01725 35952 00491
24881 08577 18760 57388 70652 01647 49337 33868 16943 48356
37613 18250 91192 25386 28796 11128 27174 73205 50359 04911
95494 59752 06068 10355 83321 15196 61009 73228 75785 80677
01362 52183 97795 86971 000 000

15909/14609/13909 kHz, 1400/1420/1440 UTC

15909/14609/13909 kHz, 05-12/08-12, 1400/1420/1440 UTC

969 969 969 1 245 131 245 131 245
24079 73010 87615 43360 74164 90227 56003 57592 85422 33864
66061 81002 01498 21649 19219 01111 28596 98908 37426 83304
65101 52891 76224 63006 81029 08592 34153 00436 31908 58718
40774 67828 42771 95435 01094 88683 29807 32596 78879 10557
66374 79558 69755 25431 92390 92830 97577 47338 28383 65990
84159 17207 21789 04099 40066 81502 22980 14062 84703 69209
17411 64755 01094 72406 26879 39893 58006 06356 68607 55200
98602 59157 60885 02893 90122 48930 60082 71224 02664 31330
14771 02909 11435 15963 91249 56019 78711 02212 36893 97799
41815 05046 83345 41690 12898 93592 70189 58913 52205 29202
85389 18164 95666 59004 87337 00355 96839 02776 13244 07470
87507 19099 51398 72601 91376 90890 22386 71264 33046 21763
37393 15418 26662 41318 44957 13177 29845 01377 35238 99075
66405 000 000

15909/14609/13909 kHz, 19-12/22-12, 1400/1420/1440 UTC

969 969 969 1 8285 98 8285 98
37471 67336 44301 28601 10332 32745 13097 70802 69054 44432
85992 51408 32624 70857 11548 29694 57096 75676 48903 77983
54544 42360 93831 10505 52225 34404 06231 57565 51588 69677
27645 94176 60526 59131 60632 36435 21558 74619 78062 83324
88064 79729 28091 59442 30241 74655 01159 35112 10179 99584
36609 39996 01241 10638 14577 59190 61878 83407 91572 13890
97594 64649 01704 58377 23021 16817 80718 99603 60193 87669
53492 37208 25975 12468 32853 33671 86614 96644 62498 93424
73768 99554 62497 91993 62134 68185 78982 34525 68335 20238
95593 71854 95455 05727 79854 59095 86488 06923 000 000

14354/12154/11154 kHz, 0300/0320/0340 UTC

14354/12154/11154 kHz, 06-12, 0300/0320/0340 UTC

311 311 311 1 6002 144 6002 144
86600 07872 03761 98824 68058 09062 34698 88442 90912 93302
19652 36229 76849 31294 40740 19390 61130 53540 53961 29509
48578 86989 85883 40066 69251 24285 70961 70880 76804 58447
13332 55068 49807 77131 03483 36404 55827 80891 68485 85472
17582 19459 45649 50294 22435 16047 42816 73961 92514 89973
61698 74072 34382 55530 26108 24529 78552 86076 03138 05379
73725 47628 55462 08319 63630 67459 82040 46130 46181 44564
68704 58142 14322 07584 23930 25952 29344 44668 53182 04433
90347 79939 13774 45843 90362 05294 67970 39079 49620 25347
75700 74352 12680 25525 04443 14318 30170 08198 04640 39703
19891 28512 53171 61277 10152 15262 53679 22694 99437 05860
99714 04135 88027 80766 96039 43988 93202 36293 03803 64566
50973 76738 96636 03487 90857 69986 18532 53839 85058 99777
06415 43976 54617 81775 76715 91635 15259 07161 25060 18874
88785 63374 77097 46733 000 000

16234/17434/18234 kHz, 0800/0820/0840 UTC

16234/17434/18234 kHz, 07-12/11-12/14-12/18-12, 0800/0820/0840 UTC

242 242 242 1 8151 212 8151 212
61781 36292 61800 12400 27088 74363 87028 59301 09759 04713
22903 66641 15901 98784 72971 85818 69452 65021 09281 81658
71886 91113 63233 06852 03458 22518 84875 12866 04045 04728
94101 27947 56623 06694 80159 17812 86213 70262 44278 65856
16035 84527 63182 82386 46421 84430 68016 82500 57964 02825
53802 62712 97886 78101 62531 45184 37127 68176 95413 80897
66336 80415 26902 28671 32195 96921 52596 69713 41042 65797
20280 86105 27699 66267 92779 85031 82401 63547 83120 73637
09201 95986 75438 86386 46054 37345 21442 14439 92992 33482
87484 46162 51915 92624 82763 24521 79751 53581 30685 42113
64621 19647 23898 09767 92366 22199 06369 97476 02341 14114
33370 74421 44139 10328 52719 78206 11124 90555 48108 90785
28085 42777 92262 95179 04029 01359 31727 71785 66874 06705
71718 81158 01846 62289 16767 04141 28570 25085 84468 48634
24992 02117 32163 41584 11593 51701 26103 14691 12192 81016
25828 78054 11739 12299 02911 53996 79831 92690 22200 34425
59094 27744 15124 10323 87291 11804 69128 55938 46278 83591
13549 80356 80393 36074 32347 14840 97991 88776 60591 58204
19843 54611 12797 11898 18542 14048 13923 15975 43300 86070
75635 28766 23788 49914 21855 16945 45375 14986 96354 98448
63970 53420 73473 73907 20364 22277 73374 06166 29343 52316
83141 43537 000 000

6792/5892/5092 kHz, 2100.2120/2140 UTC

6792/5892/5092 kHz, 07-12/09-12, 2100.2120/2140 UTC

780 780 780 1 315 147 315 147
75100 76284 93312 46371 92600 80662 64199 09806 87316 71351
33645 52090 02917 08934 68246 50465 69327 57367 08367 76893
73933 93252 72007 95977 86195 62925 28342 75280 32296 75893
69043 67763 46242 23240 29951 81801 72177 97980 13228 51940
79416 11891 10547 87543 90369 34566 04078 60494 93720 75013
14723 48217 30074 87321 61812 62586 49134 21533 22747 42476
21773 79450 06810 64537 23432 33560 54509 74033 20738 51040
29028 37462 22627 01854 55847 05297 17210 91394 20387 22205
39022 26850 36070 98264 04151 51210 55557 27113 92506 26705
44312 85852 48459 93032 75831 94594 38049 78504 43787 11967
43027 79164 83388 01955 38721 91401 20243 39279 54065 40678
67095 95477 01803 16049 58849 12099 27309 55575 72415 57693

36523 63320 13007 41569 28665 20242 56910 96151 09761 96017
99977 25779 22568 54158 35998 79624 93356 66012 88712 45801
29608 23174 17946 23098 49405 95738 27581 000 000

6792/5892/5092 kHz, 21-12/23-12, 2100.2120/2140 UTC

780 780 780 1 5533 165 5533 165
69471 36858 48390 22065 01748 36349 69193 46795 51535 84937
52977 89351 32586 38498 83905 12220 73631 01513 65159 42783
44642 33702 39350 76510 70687 45587 11150 19921 04880 80422
24223 92898 15764 28434 57878 55297 22597 06302 29172 94188
06533 65237 96769 71398 47854 97152 72939 39005 14502 71297
65207 12284 85958 53785 80270 02944 14296 17214 90017 79442
89070 98551 95140 29606 49258 15410 95468 73861 45785 34212
38127 21702 66799 58486 08153 18467 35189 54390 19834 94128
13998 72433 50707 34292 53680 34939 79676 80690 22896 29365
75690 87465 85762 66142 19092 54653 19937 61610 81199 22001
66917 40743 21941 83497 07019 38409 13126 35397 16480 50421
77745 97492 36024 48056 01134 25360 74737 18167 52753 74257
10260 60349 83820 67944 54075 21125 75422 91306 51625 68317
51629 00324 68532 85724 52344 57248 51209 62489 99017 54332
25153 39285 71045 44566 55484 62274 39855 20948 19772 42633
02013 21048 31850 60002 52857 09794 11848 05281 70142 69182
68868 53136 80155 68598 84258 000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC
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11435/10598/9327 kHz, 10-12, 1800/1820/1840 UTC

938 938 938 1 8923 75 8923 75
11983 72588 52210 05466 97148 26721 75562 94055 64220 90095
83045 40401 14260 07591 65819 55938 15872 44117 89934 21520
25179 35940 91120 56546 55412 66466 49736 64089 95618 78739
66064 60942 60275 93853 05656 09335 89170 88180 55652 92858
30198 19594 67594 68477 02958 58137 71741 87299 93133 89614
07178 00612 27217 59185 76578 70610 62988 90060 81067 11068
87854 32380 93406 08447 59577 73907 60031 83333 76150 47007
36683 82186 73314 93088 64000 000 000

11435/10598/9327 kHz, 17-12, 1800/1820/1840 UTC

938 938 938 1 7756 77 7756 77
18744 96966 00475 88102 15120 78014 64640 01694 96998 15807
04225 56547 06720 54964 62152 55248 29944 11394 46123 38792
75150 72709 04154 16378 40020 00918 68210 77336 84394 04672
75918 64950 73513 11947 32909 07179 54181 18134 28739 58262
94109 46917 93164 22691 30604 45514 15450 02097 49954 86197
21249 88064 90866 38663 92727 40165 83632 02051 22347 30290
09557 04975 76406 54445 18141 78243 38255 87162 63204 67281
96839 18149 11441 93957 83729 76004 95433 000 000

11435/10598/9327 kHz, 31-12, 1800/1820/1840 UTC

938 938 938 1 3778 74 3778 74
99514 21096 41468 72724 45782 63535 92595 62459 36370 62183
81360 42797 95747 26411 48230 72986 31706 78981 45470 79898
97068 99063 22824 78779 46597 83532 73096 50017 87259 27232
82094 32099 54735 82868 68501 64905 11203 53053 39111 40800
08546 06987 82048 42600 51224 66497 65994 35743 83174 19737
23805 85299 32011 32094 84261 10583 79025 26946 72759 52060
89888 70183 80461 31868 73526 56776 89874 81237 14008 78135
44473 53512 03424 81623 000 000

6832/7532/8132 kHz, 0030/0050/0110 UTC

6832/7532/8132 kHz, 13-12/16-12, 0030/0050/0110 UTC

851 851 851 1 5081 178 5081 178
29340 05191 64861 72036 02811 16849 93314 32196 46986 58810
80216 76050 95218 51983 41192 26169 49073 02044 24452 18659
24049 94177 46748 79056 14946 79998 83810 78625 05876 01035
25652 93719 41630 86012 02184 90181 22608 98875 64914 85296
84830 27016 30217 53653 15658 40390 46363 08540 16187 39644
69840 84844 85231 06907 60841 88801 14656 80487 05724 61791
45837 47055 09828 77676 60244 52199 93935 28035 57010 51245
74791 48620 88375 59971 46905 66583 17673 61625 75964 74481
80346 74131 26845 27411 04154 98733 71451 37687 99199 63746
59772 77037 57273 69549 11211 34297 03514 27757 61013 86903
54472 82297 09943 87562 18893 96618 80371 54018 89644 38128
38691 11064 44672 57334 58450 33683 12983 73283 25038 93937
67327 52106 12325 88881 48037 57991 29222 33764 49602 24530
24585 21242 24705 37359 36867 08881 56583 70723 84212 57929
74524 57679 14085 64631 35865 21575 58027 58639 13875 09232
30818 10400 79529 99431 18829 90903 76778 01300 30530 67719
04141 32876 75615 78134 95431 39282 02187 30102 97690 78615
72150 98360 77041 37995 99141 43448 27894 79767 000 000

6832/7532/8132 kHz, 27-12, 0030/0050/0110 UTC

851 851 851 1 206 164 206 164
81475 36089 17663 12984 81927 50693 75768 65442 06667 37226
90638 40438 63468 81857 73992 17340 27137 86925 88255 13502
15808 03365 23708 23633 28756 46253 59203 15351 64271 75951
31498 49466 16874 46101 08422 92639 85293 83430 70834 69198
59612 69340 92125 94003 09818 91203 60009 14496 76650 64903
10625 94258 14233 88124 00642 71094 36758 42417 39431 26708
80041 84889 04748 27827 20759 60178 81892 98415 73649 42207
45891 90266 33985 35208 41677 55649 92994 30767 50743 70079
10723 51197 38862 33783 54115 50257 31701 86142 13273 47272
69505 46939 86784 98906 95934 63133 22649 81641 92068 56943
54749 30985 59252 92198 01391 88803 07924 72119 01077 55422
62541 17430 73286 51575 71960 74047 58599 33538 50919 87988
47926 79391 06818 42285 28585 94157 31089 18088 15206 90301
13680 25325 38263 90437 43753 55981 78324 79590 68768 85321
87118 29979 83868 35996 58306 44868 73690 79715 74529 01145
67013 54239 83500 34670 36765 42184 91695 15027 40749 95317
37960 91286 77409 32641 000 000

9134/8134/7534 kHz, 2300/2320/2340 UTC

9134/8134/7534 kHz, 22-12, 2300/2320/2340 UTC

457 457 457 1 441 95 441 95
12761 25110 31135 72188 48176 99627 87357 28566 29337 34680
84794 66758 20931 10053 50460 66010 75062 24221 19158 94432
36085 24994 51769 69569 10860 96595 42484 89763 65304 25977
44049 91930 79787 83247 05004 04117 80456 05079 27791 02424
31335 54484 14073 27737 57030 83107 22001 64257 17670 22234
24521 53617 52063 35176 92619 50127 12669 41329 42008 24372
27303 75183 15180 86507 56005 23755 36308 83492 29986 96906
89679 81242 28879 67488 89567 57832 65359 39277 54330 04453
74000 86787 67041 75960 55931 73926 52539 73574 94944 33007
47101 51438 06197 44579 22342 000 000

12211 kHz, 01-12, 0505 UTC. Off during group 56

10243 kHz, 01-12, 0520 UTC. No transmission

952 952 952 00000 816 816 57 57 = =
16371 09926 90094 92373 33323 22800 03523 47270 59005 69216
35692 58856 22086 67691 30042 73592 76228 68353 21273 60270
16833 80402 91396 84006 19750 09434 75102 26816 12905 59312
87876 21960 16773 78280 75309 94242 14632 54002 07036 23461
38548 87208 63744 73182 82013 98652 90681 52040 75183 49051
16106 99738 83650 76696 58117 149

12211/10243 kHz, 02-12, 0500/0520 UTC

952 734 734 51 51 = =
68335 11875 83506 43013 30607 60505 02772 68633 48832 20496
38370 81379 69033 17447 70710 20375 47262 08738 47318 01350
27670 17633 72087 56646 11296 20994 62602 15560 26526 45293
48954 92197 37141 50617 12509 73050 48901 07346 88045 21449
00605 95190 77720 41109 50558 79292 50273 65947 94390 43049
23937
= = 734 734 51 51 00000

12211/10243 kHz, 05-12, 0500/0522 UTC

952 861 861 52 52 = =
83521 94975 29117 17903 45799 98010 12213 21327 44352 06435
75101 52008 40958 15532 01208 37101 96565 30898 97781 84225
81078 36110 28002 10704 63316 61277 47461 94779 10837 00903
87249 59739 54310 54505 50792 26888 96131 88426 16653 98303
67956 42274 64484 55320 66855 28425 66298 83664 24765 98033
10271 61197
= = 861 861 52 52 00000

12211/10243 kHz, 06-12, 0501/0523 UTC

952 743 743 51 51 = =
99236 12912 95656 10164 56275 27977 83536 28259 19811 08906
94176 60169 16556 96846 46282 39236 87307 41275 89644 01508
22737 22668 37269 40106 03957 99102 17122 57734 33814 06476
91953 59519 69846 67010 20614 53366 94827 85764 59323 50033
85854 39805 26309 80087 67908 89755 78266 69950 62821 68381
72071
= = 743 743 51 51 00000

12211/10243 kHz, 07-12, 0500/0520 UTC

952 186 186 52 52 = =
52985 83296 73652 94729 48203 88945 49186 06414 64480 98562
33261 80849 77581 21717 02405 19116 60068 32027 53791 27464
20132 30097 63653 28156 49515 51857 72755 05544 47697 58257
78593 85855 14545 67241 39029 74100 28584 13949 17035 96543
53158 50070 21241 22184 37529 18307 21964 61674 05252 62863
47426 67119
= = 186 186 52 52 (no closing nulls)

12211 kHz, 08-12, 0502 UTC

952 740 740 51 51 = =
52985 83296 73652 94729 off

10243 kHz, 08-12, 0520 UTC. No transmission

12211 kHz, 09-12, 0500 UTC. Carrier for 2 mins at 0509z

10243 kHz, 09-12, 0520 UTC. Carrier only till 0537z

12211/10243 kHz, 12-12, 0500/0520 UTC

952 784 784 56 56 = =
10609 99643 88648 21593 94771 72322 90162 13805 49254 62932
89565 19450 04909 99736 73174 70087 94408 95487 26693 78977
82755 43730 35498 36263 11956 85911 38931 74177 95785 28977
37033 94453 25598 18146 73149 75129 73099 94540 40862 98933
01037 92377 88670 70446 17732 55391 20863 14211 36402 77181
18019 70991 25202 95181 25579 34365
= = 784 784 56 56 00000

12211/10243 kHz, 13-12, 0501/0523 UTC

952 301 301 52 52 = =
53819 84248 19075 33973 74139 37558 63591 43557 42903 14796
62886 35543 30291 38526 63058 81805 77578 99674 16465 07780
05187 41530 20487 80034 19267 36425 19671 10728 02760 84775
19686 21155 01860 91174 86540 31560 43839 97223 29480 69406
47142 75786 91027 13292 09713 16362 92577 14695 86477 56253
08999 87569
= = 301 301 52 52 00000

12211/10243 kHz, 14-12, 0500/0527 UTC

952 687 687 51 51 = =
66683 83362 63511 75006 46108 94193 44701 08606 14767 52808
74436 40877 95579 61475 77415 37092 98764 65600 27220 72938
16707 71806 55483 74141 90795 25888 60384 52660 61176 05304
87888 06659 35348 05918 84184 76435 36542 27661 42749 73486
17834 88807 94477 24917 52901 23549 14316 00359 39395 42565
42839
= = 687 687 51 51 00000

12211/10243 kHz, 15-12, 0500/0520 UTC

0500: 1m40s pause after the 952 callup

952 310 310 52 52 = =
26017 00800 06440 77877 99228 91661 31549 91311 75272 63424
83911 00072 49805 69730 83574 38550 40567 03170 87891 40557
26832 86261 15195 01445 78797 12147 17010 82911 00347 52177
84735 90173 33637 72581 01739 76174 98934 27405 76796 52546
68147 19905 19821 11990 95477 49589 45808 91770 53651 87089
17950 33013
= = 310 310 52 52 00000

12211 kHz, 16-12, 0508 UTC Late start. Sent only 3 09166 88301. Off after 19 secs

10243 kHz, 16-12, 0521 UTC Late start. 952 (5x) Off. Back after 3m10s with 88483 99729 751 then off again

12211/10243 kHz, 19-12, 0500/0520 UTC

952 138 138 59 59 = =
25164 53705 84375 72301 83541 16577 84789 60412 33113 03567
85628 45106 14463 76565 66133 46592 23626 65713 01897 42220
19302 99261 82874 00291 10649 36251 45551 84664 99069 69216
55220 09856 72444 89099 99278 51306 75242 29553 77508 40521
02951 32829 00264 99751 94254 04434 30505 95927 19408 48745
30620 18499 88239 02768 99964 10903 26217 10225 14069
= = 138 138 59 59 00000

12211/10243 kHz, 20-12, 0500/0520 UTC

952 406 406 53 53 = =
42304 50453 07342 28300 19590 53208 55384 03040 81846 86866
33510 32575 72785 01505 24690 69718 21279 40582 16703 80789
71017 57977 31066 08993 91124 39807 75884 57417 84914 16972
52309 40107 38981 79355 69308 74629 79810 27628 46418 14591
30100 23581 09168 45528 81962 24932 06875 92618 29229 15551
07488 13641 26004
= = 406 406 53 53 00000

12211 kHz, 21-12, 0505 UTC. Started at 0505z with group 4.

10143 kHz, 21-12, 0520 UTC

952 713 713 54 54 = =
53484 40736 26748 20628 09448 77246 92660 66522 18146 04664
88354 32835 63052 66505 37143 39822 38874 78471 03346 13147
69320 11034 73965 36052 86684 81104 85787 28570 46683 19977
33820 33488 76983 09714 22017 13720 82864 05197 42232 90808
58436 83990 92323 79218 76873 91235 69362 96117 58082 71749
98875 51343 37249 06519
= = 713 713 54 54 00000

12211 kHz, 22-12, 0511 UTC. Briefly FSK CW, then normal CW Started with group 37.

10243 kHz, 22-12, 0520 UTC

952 864 864 51 51 = =
97976 24846 42504 60273 86089 72873 84708 05352 00406 82342
87785 30955 37212 98911 76205 15263 41590 93873 10792 59254
77680 59186 82656 50148 14657 81130 00250 90181 39371 47255
42774 57910 31587 66322 78731 94212 62758 05923 72706 30187
04270 77452 29021 99132 56096 23145 45632 99804 31807 84837
76728
= = 864 864 51 51 00000

12211 kHz, 23-12, 0500 UTC

No transmission

10243 kHz, 23-12, 0527 UTC

Very late start. 952 for one minute, then off

12211/10243 kHz, 26-12, 0500/0520 UTC

No transmission

12211/10243 kHz, 27-12, 0500/0521 UTC

952 417 417 55 55 = =
26081 77601 88310 53681 96223 95241 86019 64295 32208 52523
73195 73831 97310 10730 55737 84229 38404 65145 89633 48246
58416 01080 29826 57564 75596 83975 49495 82944 43042 50781
65688 46120 26916 94786 32232 28118 66792 61099 85869 43684
66565 94954 56559 36527 89369 10043 77864 75028 54932 69044
58388 53150 62816 93566 00170
= = 417 417 55 55 00000

12211/10243 kHz, 28-12, 0500/0521 UTC

952 306 306 55 55 = =
03767 58195 76763 21781 32980 70632 47677 04266 06378 49415
35218 83460 76482 04099 96909 70680 93407 27899 87080 53855
53214 58227 53319 48542 96758 89680 95136 59987 63718 62894
02021 42147 31470 77724 13074 64628 93532 04180 65419 23474
57238 89541 23566 56729 65333 85117 06915 50737 71194 41058
57605 48094 22337 42680 15867
= = 306 306 55 55 00000

12211/10243 kHz, 29-12, 0500/0521 UTC

952 831 831 52 52 = =
03767 58195 76763 21781 32980 70632 47677 04266 06378 49415
35218 83460 76482 04099 96909 70680 93407 27899 87080 53855
53214 58227 53319 48542 96758 89680 95136 59987 63718 62894
02021 42147 31470 77724 13074 64628 93532 04180 65419 23474
57238 89541 23566 56729 65333 85117 06915 50737 71194 41058
57605 48094
= = 831 831 52 52 00000

12211/10243 kHz, 30-12, 0500/0521 UTC

952 764 764 51 51 = =
 33747 89037 78486 06953 61571 51973 94953 11797 66190 16429
 20792 42695 48647 65709 38042 12364 60100 68486 29384 05870
 59149 59133 48596 76636 10652 25587 28597 30455 24488 96913
 88038 02157 57705 47773 22361 54657 28472 61959 90260 55051
 15297 22218 31507 07438 39927 18512 77046 47182 57382 91938
 37322
 = = 764 764 51 51 00000

M23

Hourly time beep at hh+58m.

5345 kHz, 01-12, 0959 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 15-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 01-12, 1559 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 16-12, 0958 UTC	000 000 000 (long zeros) (R 47m)
5345 kHz, 02-12, 0959 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 16-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 02-12, 1559 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 16-12, 1558 UTC	000 000 000 (long zero's) (R 47m)
5345 kHz, 03-12, 1659 UTC	Hourly time beep	5345 kHz, 16-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 03-12, 0959 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 17-12, 0958 UTC	000 000 000 (long zeros) (R 47m)
5345 kHz, 03-12, 1559 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 17-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 04-12, 0959 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 17-12, 1558 UTC	000 000 000 (long zero's) (R 47m)
5345 kHz, 04-12, 1559 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 17-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 06-12, 0859 UTC	951 951 951 (R 36m)	5345 kHz, 18-12, 0958 UTC	000 000 000 (long zeros) (R 47m)
5345 kHz, 06-12, 0959 UTC	000 000 000 (R 1h 22m)	5345 kHz, 18-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 06-12, 1359 UTC	951 951 951 (R 36m)	5345 kHz, 18-12, 1558 UTC	000 000 000 (long zero's) (R 47m)
5345 kHz, 06-12, 1559 UTC	000 000 000 (R 1h 22m)	5345 kHz, 18-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 05-12, 1359 UTC	951 951 951 (R 36m)	5345 kHz, 19-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 05-12, 1559 UTC	000 000 000 (R 1h 22m)	5345 kHz, 19-12, 1558 UTC	Hourly beep
5345 kHz, 06-12, 0859 UTC	951 951 951 (R 36m)	5345 kHz, 19-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 06-12, 0959 UTC	000 000 000 (R 1h 22m)	5345 kHz, 20-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 06-12, 1359 UTC	951 951 951 (R 36m)	5345 kHz, 20-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 06-12, 1559 UTC	000 000 000 (R 1h 22m)	5345 kHz, 21-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 07-12, 0859 UTC	951 951 951 (R 36m)	5345 kHz, 21-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 07-12, 0959 UTC	000 000 000 (R 1h 22m)	5345 kHz, 22-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 07-12, 1359 UTC	951 951 951 (R 36m)	5345 kHz, 22-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 07-12, 1559 UTC	000 000 000 (R 1h 22m)	5345 kHz, 23-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 08-12, 0859 UTC	951 951 951 (R 36m)	5345 kHz, 23-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 08-12, 0959 UTC	000 000 000 (R 1h 22m)	5345 kHz, 24-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 9-12/11-12	Only the hourly beeps	5345 kHz, 24-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 12-12, 1318 UTC	654 654 654 (R 45m)	5345 kHz, 25-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 12-12, 1558 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 25-12, 1758 UTC	654 654 654 (R 45m)
5423 kHz, 13-12, 0558 UTC	Hourly beep	5345 kHz, 26-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 13-12, 0958 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 26-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 13-12, 1318 UTC	654 654 654 (R 45m)	5345 kHz, 27-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 13-12, 1558 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 27-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 13-12, 1758UTC	654 654 654 (R 45m)	5345 kHz, 28-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 14-12, 0958 UTC	000 000 000 (long zeros) (R 47m)	5345 kHz, 28-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 14-12, 1318 UTC	654 654 654 (R 45m)	5345 kHz, 29-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 14-12, 1558 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 29-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 14-12, 1758 UTC	654 654 654 (R 45m)	5345 kHz, 30-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 15-12, 0958 UTC	000 000 000 (long zeros) (R 47m)	5345 kHz, 30-12, 1758 UTC	654 654 654 (R 45m)
5345 kHz, 15-12, 1318 UTC	654 654 654 (R 45m)	5345 kHz, 31-12, 1318 UTC	654 654 654 (R 45m)
5345 kHz, 15-12, 1558 UTC	000 000 000 (long zero's) (R 47m)	5345 kHz, 31-12, 1758 UTC	654 654 654 (R 45m)

M51a / M51b

M51b: 3881 kHz, 09-12, 1940 UTC, i.p. Non-stop strings of FAV22 messages.

YETSR AUSHQ BWJSU APLMQ BWNSH ETSFZ WCQJA UWKQI NDHRT XCWJA
MQKAU 26438 BXHDY ETXCQ WNBHJ EUIKL AMPLI NWXXV SHATD WNQHA
UAYDG XWVBD XNQUJ 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

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 BXHDT ZJWNQ KLAUH
IORTD CGDUE SHQJZ WBSJE DHAIJ DGSKL NWJHG FVXCD FUYTI HDNXV
IKDGR FHBCV DFDFF ETSGD XHSFE ZYSUA JNWDH SJHUI TGFHE KHFT
GHFGC VBGHY JWKSL QMLAO LUJHG VNJKL XNDHT JKILD XCSVZ KLHGF
56473 CGETF XBDGE XGSTE ZHUJQ QKAI 46378 45381 SUJAU OLETD
QMLAO 26480 JDGTE XVSFZ QHAJF VNDKI RUHFG CBXHD ZUJSL IKLOJ
KQUET FKCBF DHGXV CNFGC DTFGR SHJAK WLKQO MAPKI NBHTG

GDJSF WHQGF XVCHR LAHJD XJHDG QLAMO MAJKF YHJJS WBSKA UJDHS
LAPMD WJNXV DGRST AUJDK 56287 WBCJD AJHDT 78352 WBXVC YHDGS
WBXLA PMQKU YHDKQ LAPOI BXNWJ THSUZ QHAGU JDKSI 67389 UJDHS
YHLPA WJQKA MLGHD JQKYH XWVWL 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

VBCHD WJSYZ JKAOL JNXCD GCHAI WBNDH AOLDP JKSMH HJWKS HDGRY
MLJKI HJDLZ UJSGX VCDGR YUZKS WKAOL 63826 UJDKS BXNRY AKSLP
LKDHC VXKSU YZHSK QLAPM JKDLB NXJRT 63820 17362 XNDJZ WKQLA
PGHVF CLPEU DJSKA LWNXI UJFLB NCKFU ZIKDP SMZUH 29463 WBSJZ
LFHVD CBXYR SJAPJ NWKDP SKQIL ZUJDG XBSHZ UJSKZ WVXYT HDKAU
LKFHC VXBTD VPAKD JNXLS WBXYR DGZIJ 37284 TGDJX BSJZU WNXHZ

HBCJX NWHSF ATSGQ JKWLA MQPOI AKOSL QJNUR DTGSF CXHWU ZJQKA
GDJSU 45632 ZIJSK XNBWJ 76018 HNDJX CHTYD QJKAL WNJKQ MALIK
IKJQN CXFDR WHNQJ AKJQL KIJDH BXVSF ZTAYH SJNHJ RYGDW DFSGD
JWNYH FKSQK LAMPO BHODF XHOSL EYTSF 35263 HSNWJ QKAJU OLAPM
HNDJS WGRST SHQJA 65377 HBXJD WNQJA UHGDG GDOLQ GBCHX WNQJU
CGDHA JQKAO LQMAO JNVGD XCWVQ HBWJA UHYGT RFSJQ GBCHX WNQJA
QGDJS WNHYR JKSLQ AOLKJ BCJFG XVDGR SYHZU OLQJH BCJOD XCSLA
WLWLW DGBUS 53762 QHNWJ AOLJK FGCHS GKQLZ OLQMW BXNDG ZRSDO
LAMPK HBCJD XIJXK UJSOK 65038 MAHDG XCFSK QLAIU HDJSK QMAPI
UJDGB XGDVR ZTGSU AJQKL PAMKF IAOHO DGXVS HNWOR ZTSFA KLQMA
OKIHU YGFTR 10964 BCNDH XJQKE SIKAP UJDLQ BWNDR ZYHSI QKALM
WMAPL WNCVF PMAUJ YHTGR CGDTR 45393 NXHRT

M51b: 3881//6825 kHz, 10-12, 0647 UTC. Non-stop strings of FAV22 messages.

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 DHNXX SJEKZ UJSLK UJDHX
CKDGE SHGDB XNSJZ QKALM PLOLK NCHFK 65483 SGBXJ WJSUZ PLGHL
XNBDK SKLZM QNWJZ AHJDK WCXVD 53872 WBNXJ 01875 UJDKL WNBKD
ZYHDK QLKMA HNDJC UJKDL SJHTF SJHTF CBXGR GSHZQ MQJFV PMAUH
BCVFG SHZYA 37619 NWJSY DGSZH QJNWK ZUJAP LQMAJ DGCYX IJFHC
XBSKA UJQLW NXVCJ SKEUD OLSPA MQKJG CBFGT JDXKC 20617 DHEYS
WBKHD SJAIQ QKLAJ DLFGB 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 PLWCY
DGXVF CNETS 46382 BXNTG SJAUJ

M51a: 3881//6825 kHz, 10-12, 0800 UTC

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

SAMEDI 1/ LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =
JHFRD NJSDE ZPOYT QRWET IYUTO POLKJ ZCXVB MNJHB ASFDG 13957
VXSGW ., 'ASVA QDSSG LJPUO NVBFG YRTQW ASZXA QPLIH BCVDN HDYEI
10369 VXSUW 'AS?. , TRYEU QEWAR BCXDS MJKHU RQEOH BGHVT XAZSQ
MNKHJ 47850 BQTBS VAAS/?. XCZPQ MLHPI XASQW LCMEY RGSGW 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+.? CBXZN MLFKE CALSD ETFUB +

SAMEDI 1/ LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =
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 CONNAITRE, 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

M51a: 3881//6825 kHz, 10-12, 0920 UTC

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

SAMEDI 1/ LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =
QRDFT DSHDS MBNFJ PLEOI ZXACS FHRYE MFLRK ZXAQE URJTH 32156
PLOTI /-.VA' QEWSR CZXSA NVHFK QWRET UGTIO VCBGD MLGKT ZXADS
?VA'AS, VCDGW 63205 KHJGK ERATY XVDVS LMCKD ESVAZ QXDZA NBGHI
WERQY 96358 BVNVD ?.,/' VCDFH LKJMF WRETC ZAQXW BFGEU PLROU
CXFDE QWAEB 47859 BCDHE .+'AS/ EUFUS POTIY QWAES BCVDV ZCSQE
QAWEV NVHFK LBPNO 45632 WESKD ./,?AS QWAES VBDJK LPROF XCSVW
SADFG LKJHG ZXASW CVBFN 02365 BCDHW ?+.,/ CVDFG XASZQ MWNGJ
URYTE PLEOI ARTWH ZXACW MHKYT 32056 VODJK ?.,=' NVBDG ZALOK
CVDFB +

SAMEDI 1/ LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =
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

11155 kHz, 06-12, 2022 UTC, i.p.

HR MSG GA K

R

QSA ? K

R HR RPT PBL NR 6789 6789 K

R HR RPT PBL CLS 14 14 K

R HR RPT PBL TIME 1030 1030 K

R U MSG GA K

R

AS AS

R AS AS

QSL 1041 K

R QSL 1041 K

R SK SK

5541 kHz 26-12, 1552 UTC, i.p.

RMKS 9608 TO 9475 =
 I9N/F2X AR
 FF NR 37316 EE
 NR 3731/EX 2332 RMKS 9608 TO 9475 =
 I9T/F EE =
 I9N/F2X AR K
 R QSL 2333 K
 HR F GA K
 R GA K
 2 F NR 5325/EX 2334 RMKS 9475 TO 9608 =
 A4E/R5W AR K
 NR RPT K
 R F F NR 5325/EX 2335 RMKS 9475 TO 9608 =
 AIAE/N EEEE = A4E/R5W AR K
 R QSY 18 ... K
 R K

MC03 - Chinese Air Defense**16353 kHz, 07-12, 1048 UTC**

= = 6D34 674A 57UA UN5D N4D5 5764 DU43 4T3A DA46 65D7 76D4 7T53 AR K

UM04 - PROMRCh**4735 kHz, 01-12, 0800 UTC**

VVVVV PROMRCh = 01 12 =
 1000 0830 0880 1060 1540
 1200 0890 0940 1110 1600
 1400 0880 0930 1090 1570
 1600 0860 0910 1080 1580
 1800 0450 0480 0560 0800
 2000 0390 0410 0480 0680
 2200 0340 0360 0410 0560
 0000 0360 0370 0410 0550
 0200 0380 0390 0450 0600
 0400 0380 0400 0450 0620
 0600 0330 0350 0410 0590
 0800 0650 0700 0860 1280
 = ABV =
 VVVVV PROMRCh = 01 12 =
 1000 0830 0880 1060 1540
 1200 0890 0940 1110 1600
 1400 0880 0930 1090 1570
 1600 0860 0910 1080 1580
 1800 0450 0480 0560 0800
 2000 0390 0410 0480 0680
 2200 0340 0360 0410 0560
 0000 0360 0370 0410 0550
 0200 0380 0390 0450 0600
 0400 0380 0400 0450 0620
 0600 0330 0350 0410 0590
 0800 0650 0700 0860 1280
 0800 0650 0700 0860 128
 = AR

4735 kHz, 02-12, 0800 UTC

VVV VVV PROMRCh = 02 12 =
 1000 0810 0860 1030 1510
 1200 0860 0910 1090 1570
 1400 0850 0900 1060 1530
 1600 0840 0890 1060 0550
 1800 0440 0460 0540 0770
 2000 0380 0400 0470 0670
 2200 0340 0350 0400 0550
 0000 0360 0360 0410 0550
 0200 0380 0390 0450 0600
 0400 0380 0400 0450 0610
 0600 0330 0350 0410 0580
 0800 0650 0690 0850 1270
 = ABV
 VVV VVV PROMRCh = 02 12 =
 1000 0810 0860 1030 1510
 1200 0860 0910 1090 1570
 1400 0850 0900 1060 1530
 1600 0840 0890 1060 0550
 1800 0440 0460 0540 0770
 2000 0380 0400 0470 0670
 2200 0340 0350 0400 0550
 0000 0360 0360 0410 0550
 0200 0380 0390 0450 0600
 0400 0380 0400 0450 0610
 0600 0330 0350 0410 0580
 0800 0650 0690 0850 1270
 = AR

4735 kHz, 03-12, 0800 UTC

VVV VVV PROMRCh = 03 12 =
 1000 0810 0860 1030 1510
 1200 0860 0910 1090 1570
 1400 0850 0900 1060 1530
 1600 0840 0890 1060 1550
 1800 0440 0460 0540 0770
 2000 0380 0400 0470 0670
 2200 0340 0350 0400 0550
 0000 0360 0360 0400 0550
 0200 0380 0390 0450 0600
 0400 0380 0400 0450 0610
 0600 0330 0350 0410 0580
 0800 0650 0690 0850 1270
 = ABV =
 VVV VVV PROMRCh = 03 12 =
 1000 0810 0860 1030 1510
 1200 0860 0910 1090 1570
 1400 0850 0900 1060 1530
 1600 0840 0890 1060 1550
 1800 0440 0460 0540 0770
 2000 0380 0400 0470 0670
 2200 0340 0350 0400 0550
 0000 0360 0360 0400 0550
 0200 0380 0390 0450 0600
 0400 0380 0400 0450 0610
 0600 0330 0350 0410 0580
 0800 0650 0690 0850 1270
 = AR

4735 kHz, 04-12, 0800 UTC

VVV VVV PROMRCh = 04 12 =
 1000 0810 0860 1030 1510
 1200 0850 0910 1090 1570
 1400 0850 0900 1060 1530
 1600 0840 0890 1060 1550
 1800 0440 0460 0540 0770
 2000 0380 0400 0470 0670
 2200 0340 0350 0400 0550
 2400 0360 0360 0410 0550
 0200 0380 0390 0450 0600
 0400 0380 0400 0450 0610
 0600 0330 0350 0410 0580
 0800 0650 0690 0850 1270
 ABV =
 VVV VVV PROMRCh = 04 12 =
 1000 0810 0860 1030 1510
 1200 0850 0910 1090 1570
 1400 0850 0900 1060 1530
 1600 0840 0890 1060 1550
 1800 0440 0460 0540 0770
 2000 0380 0400 0470 0670
 2200 0340 0350 0400 0550
 2400 0360 0360 0410 0550
 0200 0380 0390 0450 0600
 0400 0380 0400 0450 0610
 0600 0330 0350 0410 0580
 0800 0650 0690 0850 1270
 = AR

4735 kHz, 13-12, 0800 UTC

VVVVV PROMRCh = 13 12 =
 1000 0820 0860 1040 1530
 1200 0860 0910 1090 1600
 1400 0830 0870 1040 1500
 1600 0800 0850 1040 1500
 1800 0420 0450 0530 0750
 2000 0360 0380 0450 0640
 2200 0320 0330 0340 0530
 0000 0350 0360 0410 0550
 0200 0360 0370 0420 0570
 0400 0360 0380 0430 0600
 0600 0330 0350 0400 0570
 0800 0600 0640 0790 1170
 = ABV =
 VVVVV PROMRCh = 13 12 =
 1000 0820 0860 1040 1530
 1200 0860 0910 1090 1600
 1400 0830 0870 1040 1500
 1600 0800 0850 1040 1500
 1800 0420 0450 0530 0750
 2000 0360 0380 0450 0640
 2200 0320 0330 0340 0530
 0000 0350 0360 0410 0550
 0200 0360 0370 0420 0570
 0400 0360 0380 0430 0600
 0600 0330 0350 0400 0570
 0800 0600 0640 0790 1170
 = AR

4735 kHz, 17-12, 0800 UTC

No transmission between
 0800 and 0830 UTC

4735 kHz, 18-12, 0800 UTC

No transmission between
 0800 and 0830 UTC

4735 kHz, 14-12, 0800 UTC

VVV VVV PROMRCh = 14 12 =
 1000 0820 0870 1040 1540
 1200 0870 0820 1100 1600
 1400 0830 0880 1040 1510
 1600 0800 0850 1020 1500
 1800 0420 0450 (recorder
 stopped)

4735 kHz, 20-12, 0800 UTC

VVV VVVV PROMRCh = 2012 =
 1000 0850 0910 1080 1580
 1200 0900 0960 1140 1660
 1400 0860 0910 1070 1540
 1600 0810 0860 1030 1530
 1800 0470 0490 0570 1050
 2000 0370 0390 0460 0650
 2200 0330 0340 0380 0590
 2400 0360 0370 0420 0550
 0200 0370 0380 0430 0580
 0400 0380 0390 0440 0610
 0600 0340 0360 0420 0580
 0800 0580 0620 0760 1120
 = ABV
 VVV VVVV PROMRCh = 2012 =
 1000 0850 0910 1080 1580
 1200 0900 0960 1140 1660
 1400 0860 0910 1070 1540
 1600 0810 0860 1030 1530
 1800 0470 0490 0570 1050
 2000 0370 0390 0460 0650
 2200 0330 0340 0380 0590
 2400 0360 0370 0420 0550
 0200 0370 0380 0430 0580
 0400 0380 0390 0440 0610
 0600 0340 0360 0420 0580
 0800 0580 0620 0760 1120
 = AR

4735 kHz, 15-12, 0800 UTC

VVVVV PROMRCh = 15 12 =
 1000 0830 0880 1050 1550
 1200 0880 0930 1110 1620
 1500 0830 0880 1040 1510
 1600 0800 0850 1020 1490
 1800 0430 0450 0530 0760
 2000 0360 0380 0450 0640
 2200 0320 0330 0380 0530
 2400 0350 0360 0410 0550
 0200 0360 0370 0420 0570
 0400 0370 0380 0440 0600
 0600 0330 0350 0400 0570
 0800 0590 0630 0770 1150
 ABV =
 VVVVV PROMRCh = 15 12 =
 1000 0830 0880 1050 1550
 1200 0880 0930 1110 1620
 1400 0830 0880 1040 1510
 1600 0800 0850 1020 1490
 1800 0430 0450 0530 0760
 2000 0360 0380 0450 0640
 2200 0320 0330 0380 0530
 2400 0350 0360 0410 0550
 0200 0360 0370 0420 0570
 0400 0370 0380 0440 0600
 0600 0330 0350 0400 0570
 0800 0590 0630 0770 1150
 = AR

4735 kHz, 21-12, 0800 UTC

VVVVV PROMRCh = 21 12 =
 1000 0850 0900 1080 1580
 1200 0900 0950 1140 1660
 1400 0860 0900 1070 1540
 1600 0800 0850 1020 1500
 1800 0470 0500 0580 0820
 2000 0370 0390 0450 0650
 2200 0320 0330 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0390 0440 0610
 0600 0340 0360 0420 0590
 0800 0580 0620 0750 1120
 ABV =
 VVVVV PROMRCh = 21 12 =
 1000 0850 0900 1080 1580
 1200 0900 0950 1140 1660
 1400 0860 0900 1070 1540
 1600 0800 0850 1020 1500
 1800 0470 0500 0580 0820
 2000 0370 0390 0450 0650
 2200 0320 0330 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0390 0440 0610
 0600 0340 0360 0420 0590
 0800 0580 0620 0750 1120
 = AR

4735 kHz, 16-12, 0800 UTC

VVV VVV PROMRCh = 16 12 =
 1000 0820 0880 1060 1550
 1200 0870 0930 1110 1620
 1400 0830 0880 1040 1510
 1600 0790 0840 1010 1490
 1800 0430 0450 0530 0760
 2000 0360 0380 0440 0630
 2200 0320 0330 0380 0520
 0000 0350 0360 0410 0550
 0200 0360 0370 0420 0570
 0400 0370 0380 0430 0600
 0600 0330 0350 0400 0570
 0800 0580 0630 0770 1150
 = ABV
 VVV VVV PROMRCh = 16 12 =
 1000 0820 0880 1060 1550
 1200 0870 0930 1110 1620
 1400 0830 0880 1040 1510
 1600 0790 0840 1010 1490
 1800 0430 0450 0530 0760
 2000 0360 0380 0440 0630
 2200 0320 0330 0380 0520
 0000 0350 0360 0410 0550
 0200 0360 0370 0420 0570
 0400 0370 0380 0430 0600
 0600 0330 0350 0400 0570
 0800 0580 0630 0770 1150
 = AR

4735 kHz, 22-12, 0800 UTC

VVV VVV PROMRCh = 22 12 =
 1000 0830 0880 1060 1560
 1200 0890 0940 1130 1660
 1400 0840 0890 1060 1520
 1600 0790 0840 1010 1490
 1800 0470 0490 0580 0820
 2000 0370 0390 0450 0650
 2200 0320 0330 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0390 0450 0610
 0600 0350 0370 0420 0590
 0800 0580 0620 0750 1120
 = ABV
 VVV VVV PROMRCh = 22 12 =
 1000 0830 0880 1060 1560
 1200 0890 0940 1130 1660
 1400 0840 0890 1060 1520
 1600 0790 0840 1010 1490
 1800 0470 0490 0580 0820
 2000 0370 0390 0450 0650
 2200 0320 0330 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0390 0450 0610
 0600 0350 0370 0420 0590
 0800 0580 0620 0750 1120
 = AR

4735 kHz, 23-12, 0800 UTC

VVV VVV = PROMRCh = 23 12 =

1000 0850 0910 1090 1590
 1200 0910 0960 1140 1670
 1400 0860 0910 1070 1540
 1600 0800 0850 1020 1500
 1800 0480 0510 0590 0840
 2000 0370 0390 0460 0650
 2200 0330 0340 0390 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0400 0450 0620
 0600 0350 0370 0430 0590
 0800 0580 0620 0760 1120

= ABV

VVV VVV = PROMRCh = 23 12 =

1000 0850 0910 1090 1590
 1200 0910 0960 1140 1670
 1400 0860 0910 1070 1540
 1600 0800 0850 1020 1500
 1800 0480 0510 0590 0840
 2000 0370 0390 0460 0650
 2200 0330 0340 0390 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0400 0450 0620
 0600 0350 0370 0430 0590
 0800 0580 0620 0760 1120

= AR

4735 kHz, 24-12, 0800 UTC

VVVVV PROMRCh = 24 12 =

1000 0830 0880 1070 1570
 1200 0890 0950 1130 1660
 1400 0840 0890 1050 1530
 1600 0780 0830 1000 1470
 1800 0470 0500 0580 0830
 2000 0370 0390 0460 0650
 2200 0320 0330 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0400 0450 0610
 0600 0350 0370 0430 0600
 0800 0580 0620 0750 1110

= ABV =

VVVVV PROMRCh = 24 12 =

1000 0830 0880 1070 1570
 1200 0890 0950 1130 1660
 1400 0840 0890 1050 1530
 1600 0780 0830 1000 1470
 1800 0470 0500 0580 0830
 2000 0370 0390 0460 0650
 2200 0320 0330 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0400 0450 0610
 0600 0350 0370 0430 0600
 0800 0580 0620 0750 1110

= AR

4735 kHz, 25-12, 0800 UTC

VVV VVVV PROMRCh = 25 12 =

1000 0860 0910 1090 1600
 1200 0920 0970 1160 1690
 1400 0860 0910 1070 1550
 1600 0800 0850 1020 1500
 1800 0480 0510 0590 0850
 2000 0370 0390 0460 0650
 2200 0330 0340 0390 0530
 2400 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0390 0400 0450 0620
 0600 0350 0370 0430 0600
 0800 0580 0620 0750 1120

= ABV

VVV VVVV PROMRCh = 25 12 =

1000 0860 0910 1090 1600
 1200 0920 0970 1160 1690
 1400 0860 0910 1070 1550
 1600 0800 0850 1020 1500
 1800 0480 0510 0590 0850
 2000 0370 0390 0460 0650
 2200 0330 0340 0390 0530
 2400 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0390 0400 0450 0620
 0600 0350 0370 0430 0600
 0800 0580 0620 0750 1120

= AR

4735 kHz, 26-12, 0800 UTC

VVVVV PROMRCh = 26 12 =

1000 0840 0890 1080 1590
 1200 0900 0950 1150 1680
 1400 0830 0890 1040 1520
 1600 0770 0830 1000 1470
 1800 0470 0500 0580 0830
 2000 0360 0380 0450 0650
 2200 0320 0330 0380 0520
 2400 0360 0370 0410 0560
 0200 0370 0380 0430 0580
 0400 0380 0390 0450 0610
 0600 0350 0360 0420 0590
 0800 0570 0610 0750 1110

= ABV =

VVVVV PROMRCh = 26 12 =

1000 0840 0890 1080 1590
 1200 0900 0950 1150 1680
 1400 0830 0890 1040 1520
 1600 0770 0830 1000 1470
 1800 0470 0500 0580 0830
 2000 0360 0380 0450 0650
 2200 0320 0330 0380 0520
 2400 0360 0370 0410 0560
 0200 0370 0380 0430 0580
 0400 0380 0390 0450 0610
 0600 0350 0360 0420 0590
 0800 0570 0610 0750 1110

= AR

4735 kHz, 27-12, 0800 UTC

VVV VVV PROMRCh = 27 12 =

1000 0870 0920 1100 1610
 1200 0930 0980 1170 1700
 1400 0850 0890 1060 1530
 1600 0790 0840 1010 1480
 1800 0480 0510 0590 0840
 2000 0370 0390 0460 0650
 2200 0330 0340 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0390 0450 0610
 0600 0350 0370 0420 0590
 0800 0570 0620 0750 1110

= ABV

VVV VVV PROMRCh = 27 12 =

1000 0870 0920 1100 1610
 1200 0930 0980 1170 1700
 1400 0850 0890 1060 1530
 1600 0790 0840 1010 1480
 1800 0480 0510 0590 0840
 2000 0370 0390 0460 0650
 2200 0330 0340 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0390 0450 0610
 0600 0350 0370 0420 0590
 0800 0570 0620 0750 1110

= AR

4735 kHz, 28-12, 0800 UTC

VVVVV PROMRCh = 28 12 =

1000 0860 0920 1100 1610
 1200 0930 0980 1170 1700
 1400 0850 0900 1060 1530
 1600 0770 0830 0990 1470
 1800 0480 0500 0590 0830
 2000 0370 0390 0460 0650
 2200 0330 0340 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0400 0450 0610
 0600 0350 0370 0420 0590
 0800 0570 0610 0750 1010

= ABV =

VVVVV PROMRCh = 28 12 =

1000 0860 0920 1100 1610
 1200 0930 0980 1170 1700
 1400 0850 0900 1060 1530
 1600 0770 0830 0990 1470
 1800 0480 0500 0590 0830
 2000 0370 0390 0460 0650
 2200 0330 0340 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0400 0450 0610
 0600 0350 0370 0420 0590
 0800 0570 0610 0750 1010

= AR

4735 kHz, 29-12, 0800 UTC

VVV VVV = PROMRCh = 29 12 =

1000 0870 0920 1100 1610
 1200 0930 0990 1170 1710
 1400 0860 0900 1010 1540
 1600 0770 0820 0990 1460
 1800 0470 0500 0590 0830
 2000 0370 0390 0460 06E0
 2200 0330 0340 0380 0530
 2400 0360 0370 0420 0560
 0200 0370 0380 0420 0580
 0400 0380 0390 0440 0610
 0600 0350 0360 0420 0590
 0800 0570 0610 0740 1110

= ABV

VVV VVV = PROMRCh = 29 12 =

1000 0870 0920 1100 1610
 1200 0930 0990 1170 1710
 1400 0860 0900 1010 1540
 1600 0770 0820 0990 1460
 1800 0470 0500 0590 0830
 2000 0370 0390 0460 06E0
 2200 0330 0340 0380 0530
 2400 0360 0370 0420 0560
 0200 0370 0380 0420 0580
 0400 0380 0390 0440 0610
 0600 0350 0360 0420 0590
 0800 0570 0610 0740 1110

= AR

4735 kHz, 30-12, 0800 UTC

VVV VVV = PROMRCh = 30 12

1000 0860 0920 1000 1600
 1200 0930 0990 1170 1700
 1400 0860 0900 1070 1540
 1600 0770 0830 0990 1460
 1800 0470 0500 0580 0830
 2000 0370 0390 0460 0650
 2200 0330 0340 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0390 0440 0610
 0600 0350 0360 0420 0590
 0800 0570 0610 0740 1110

= ABV

VVV VVV = PROMRCh = 30 12

1000 0860 0920 1000 1600
 1200 0930 0990 1170 1700
 1400 0860 0900 1070 1540
 1600 0770 0830 0990 1460
 1800 0470 0500 0580 0830
 2000 0370 0390 0460 0650
 2200 0330 0340 0380 0530
 0000 0360 0370 0420 0560
 0200 0370 0380 0430 0580
 0400 0380 0390 0440 0610
 0600 0350 0360 0420 0590
 0800 0570 0610 0740 1110

= AR

4735 kHz, 31-12, 0800 UTC

VVV VVV PROMRCh = 31 12 =

1000 0860 0910 1090 1600
 1000 0930 0980 1170 1700
 1400 0850 0900 1060 1530
 1600 0770 0820 0990 1460
 1800 0480 0500 0590 0840
 2000 0370 0390 0450 0650
 2200 0330 0040 0380 0560
 0000 0360 0370 0420 0560
 0200 0370 0370 0430 0570
 0400 0380 0390 0440 0510
 0600 0340 0360 0420 0580
 0800 0570 0610 0740 1110

= ABV

VVV VVV PROMRCh = 31 12 =

1000 0860 0910 1090 1600
 1000 0930 0980 1170 1700
 1400 0850 0900 1060 1530
 1600 0770 0820 0990 1460
 1800 0480 0500 0590 0840
 2000 0370 0390 0450 0650
 2200 0330 0040 0380 0560
 0000 0360 0370 0420 0560
 0200 0370 0370 0430 0570
 0400 0380 0390 0440 0510
 0600 0340 0360 0420 0580
 0800 0570 0610 0740 1110

= AR

DIGITAL MODES

Russian Government networks (including intelligence agencies, domestic and international nets) . Designators F01, F06, F06a, M42, M42a, M42b, X06

Schedules

Schedules compiled and updated by VSh.

Domestic Schedule Still Active List

Monday, Friday 0600z OFDM-112 14643kHz Moscow <> Chita 15930kHz
 Monday, Friday 0830z OFDM-112 9950kHz Moscow <> Orenburg 10980kHz
 Tuesday, Wednesday 0830z OFDM-45 15680kHz Orenburg <> Chita 16310kHz
 Tuesday, Thursday 1000z OFDM-45 10248kHz Moscow <> Orenburg 11592kHz
 Tuesday, Thursday 1000z OFDM-45 12164kHz/15704kHz/16123kHz Moscow <> Chita 13373kHz/14441kHz
 Tuesday, Thursday 1000z OFDM-45 13540kHz Orenburg <> Moscow 12087kHz

Diplomatic Schedule Still Active List

2nd Tuesday 0900z OFDM-45 17458kHz Moscow <> ? kHz
 2nd Wednesday 1030z OFDM-112 14422kHz/16324kHz/18036kHz Moscow <> Conakry 19028kHz
 3rd Thursday 0750z OFDM-112 14486kHz/15924kHz Moscow <> Tehran 13646kHz
 2022.8.15 3rd Monday 0900z OFDM-45 18762kHz Moscow <> ? 19846kHz/20374kHz(Diplo?)
 4th Wednesday 0900z OFDM-45 11057kHz Moscow <> Stockholm 12105kHz
 Tuesday 1300z OFDM-45 13905kHz/16103kHz/19305kHz <> Havana 14930kHz/17442kHz
 Wednesday 1300z OFDM-112 13905kHz/16103kHz/19305kHz <> Havana 14930kHz/17442kHz

RTTY, active stations

ID 80104
 ID 30109 from Chita (1130z 11561 kHz, cf, 17425 kHz cf) RBD <-- UDD (They now use RHO, maybe Orenburg)
 ID 60102 Sunday 1030z 13997 kHz cf <> 14380 kHz cf RYX
 ID 70103 from Havana (Thursday 1300z 16156 kHz cf <> 18726 kHz cf) UAL <-- UAG

Stations K4MT & NT9P (1105z 9206 kHz cf <> 10965 kHz cf)
Stations ZGFU & BOPK (2022.12.26 0820z 4829 kHz CW, op chat)

1030z 19160 kHz cf > 16044 kHz cf > 14976 kHz cf
1140z 13881 kHz cf > 12074 kHz cf > 10177 kHz cf
1225z 19108 kHz cf > 18046 kHz cf > 16152 kHz cf
1230z 14941 kHz cf > 12221 kHz cf > 9275 kHz cf

2022.7.27	4th Wednesday	17458 kHz	1049 UTC	OFDM-45 already in progress
2022.7.28	4th Thursday	16305 kHz	0901 UTC	OFDM-112 already in progress
2022.8.5	1st Friday	13368 kHz	0721 UTC	OFDM-112 already in progress
2022.8.5	1st Friday	14869 kHz	0744 UTC	OFDM-112 already in progress
2022.8.9	2nd Tuesday	10454 kHz	0417 UTC	OFDM-45 already in progress
2022.8.10	2nd Wednesday	14934 kHz	0900 UTC	OFDM-45 already in progress
2022.8.10	2nd Wednesday	14643 kHz	0907 UTC	OFDM-45 already in progress
2022.8.18	3rd Thursday	14576 kHz	1025 UTC	OFDM-45 already in progress
2022.8.19	3rd Friday	16123 kHz	1000 UTC	OFDM-45
2022.9.17	3rd Saturday	14357 kHz	0623 UTC	OFDM-45 already in progress
2022.11.9	2nd Wednesday	11113 kHz	0729 UTC	OFDM-45 already in progress
2022.11.9	2nd Wednesday	23074 kHz	1042 UTC	OFDM-112 already in progress
2022.11.17	3rd Thursday	9237 kHz	1000 UTC	OFDM-45
2022.11.21	3rd Monday	6933 kHz	1330 UTC	OFDM-45
2022.11.29	5th Tuesday	12217 kHz	1200 UTC	OFDM-45
2022.12.1	1st Thursday	12217 kHz	1200 UTC	OFDM-112
2022.12.18	3rd Sunday	13397 kHz	0824 UTC	OFDM-112 (Chita) already in progress

12217 kHz, 01-12, 1200 UTC, OFDM-112
14381 kHz, 07-12, 0741 UTC, MFSK-11
13397 kHz, 18-12, 0824 UTC, OFDM-112. Transmitter site Chita
12633 kHz, 29-12, 1108 UTC, OFDM-112
12633 kHz, 29-12, 1138 UTC, OFDM-112
12360 kHz, 29-12, 1153 UTC, OFDM-112

NT9P NT9P NT9P DE K4MT K4MT K
RPT K
AS 1 K K
QSA2 QSY 21188 QSY 21188 K
RPT K
QSA1 QSY 21188 QSY 21188 K
SLV K
QSA3 QSA? K.
QTC1 ZZC K

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NT9P NT9P NT9P DE K4MT K4MT K
QSA4 QSA? K
QTC1 ZZC K

CFM QRU? K
ZVP K
K K
R 456 1148 K
QRX 38726 QRX 38726 K
CFM AR

NT9P NT9P NT9P DE K4MT K4MT K
QSA4 QSA? K
QTC1 ZZC K

CFM QRU? K
CFM QRU? K
ZVP K
BK QRV K
K K
R 537 1209 K
QRX 38831 QRX 38831 K
CFM AR

9206 kHz, 07-12, 1300 UTC, CW
NT9P NT9P NT9P DE K4MT K4MT K
NT9P NT9P NT9P DE K4MT K4MT K
QSA2 QSA? K
QSA2 QSA? K
NT9P NT9P NT9P DE K4MT K4MT K
NT9P NT9P NT9P DE K4MT K4MT K
RPT K
RPT K
RPT K
OK QSWW 35664 QSSSW 35664 K

8139 kHz, 07-12, 1620 UTC, CW
NT9P NT9P NT9P DE K4MT K4MT K
NT9P
NT9P NT9P NT9P DE K4MT K4MT QSA NO QSY 36581 QSY 36581 K
NT9P NT9P NT9P DE K4MT K4MT QSA NO QSY 36581 QSY 36581 K
NT9P NT9P NT9P DE K4MT K4MT QSA NO QSY 36581 QSY 36581 K
NT9P NT9P NT9P DE K4MT K4MT QSA NO QSY 36581 QSY 36581 K
QSA2 QSA? QSA2 QSA? K
OK QSW 33196
RPT K
RPT K
RPT K

F01 – FSK 200/500 via Cuba

7684/5326/4029 kHz, 07-12, 1940/1950/2000 UTC
Null message: 5761 00000 +++++ +++++

F01 – FSK 200/500 Mon-Fri schedule

12164/10336/8016 kHz, 01-12, 1015/1025/1035 UTC
29716 82805 18311 67835 08956 74650 91592 83730 31860 86290
35305 29366 92974 44347 26966 89380 75725 42091 88667 27927
44302 92636 21791 05971 48927 49023 76179 70962 92938 33387
64742 73552 35130 42403 59391 91046 25776 21172 29268 62289
99793 22766 07190 63655 75463 95601 95264 80849 32160 65824
45592 56187 65523 06915 77011 16058 43502 13677 13809 08243
11724 22814 57348 03794 21611 47273 26542 43141 79691 16547
28106 31137 41539 40120 42543 10700 98778 43077 00000 00000

29108 44442 38495 21872 60300 65063 01538 19867 79710 86935
23187 30462 49035 38242 17864 68324 29367 38284 26302 33179
74693 08738 90534 78540 44247 79131 00088 36377 94633 91268
32788 14942 37691 32244 38644 11920 75006 50778 40238 10102
45022 36529 48040 47764 43690 67084 14123 80946 04593 52314
72678 79801 49468 30777 40793 26224 45096 97864 77917 04936
27456 70368 27456 05209 79116 17164 88935 75427 70783 10690
94165 97665 02938 78927 85848 74473 08524 62540 22066 45058
02595 06888 55078 73046 89876 43586 57884 73013 66179 41307
96967 67978 74590 44093 00000 +++++ +++++

12164/10336/8016 kHz, 02-12, 1015/1025/1035 UTC
Null message: 5761 00000 +++++ +++++

No transmissions on 3-15 December

12164/10336/8016 kHz, 16-12, 1015/1025/1035 UTC
Null message: 5761 00000 +++++ +++++

12164/10336/8016 kHz, 19-12, 1015/1025/1035 UTC

31999 33603 14775 65449 63025 97639 57904 87907 69831 06477
87351 17613 11452 83874 39866 03031 28832 02603 94506 90498
83909 98593 37157 15578 60119 92224 60699 72620 54016 65168
43002 73513 12694 66246 69943 31502 96693 44722 95628 31060
73088 34475 57013 69729 68433 37492 85099 82871 36263 80111
79907 87260 18828 40454 41403 04470 07756 70494 73562 49976
33335 61183 03785 98923 37081 24091 84806 64487 07310 87974
71335 49772 82376 33740 88575 59186 51275 16209 34829 80214
06302 46145 85374 71554 27442 30971 89802 18528 03191 97612
79986 41716 17486 45914 30898 69758 57443 06050 41432 12245
21573 98382 27446 93644 33180 19202 44186 34212 88625 00774
80302 88796 95136 19148 90630 79500 77854 48157 59931 83128
60814 83040 14773 59352 51527 82141 25746 30539 83876 00100
67202 49176 98990 10992 26691 13835 68799 44852 81302 19601
91948 85998 83079 53919 16769 06629 20712 73783 70982 34091
49678 25214 02831 75301 08037 90957 63325 46708 60046 77344
84286 83277 34808 76245 31885 24912 52115 63066 40344 03744
52695 16707 55518 80758 75033 72444 43013 05155 45968 43647
40552 94913 77244 73287 59259 61978 85205 01169 63562 30519
75825 57820 84396 21686 62255 20981 45390 03312 07076 95622
06738 27995 06450 03448 56421 07989 58349 92797 03496 00361
82061 04901 53105 00827 81141 57413 67927 69722 67018 31185
45732 38544 85426 71173 67736 70488 12863 37470 97453 73428
15242 67351 34717 88783 85960 34304 54559 04691 05525 14967
85655 66940 89965 99913 07994 86094 20197 09222 74479 64241
69528 98765 86140 89813 71503 68172 75652 73909 95259 06366
78834 26556 20596 35662 98828 96351 29936 40317 92642 21926
59369 90502 34743 68651 75966 97620 37385 49046 73547 61903
32367 50310 04100 98236 43906 17421 87021 51148 07304 65239
63389 34883 13105 18054 87431 59527 81434 00005 72397 29092
96198 24819 33005 22517 53824 58313 91663 93516 06255 52072
40645 50211 02860 71763 77410 00484 60960 68521 55260 73994
19658 66828 16507 56797 56647 67344 00356 99480 72708 88107
42678 84796 73562 92556 09869 65686 03774 77808 33969 09660
12395 21623 41251 10461 55036 11499 91448 52954 62047 04333
69810 42170 27500 90090 99180 32448 98660 57911 64288 17621
70635 88089 65425 68161 15885 18388 43706 26247 03281 58081
45106 94669 86407 48216 15443 80531 65788 91476 43518 79660
54722 00137 94575 12692 03424 35502 01291 48738 61152 37299
04462 77607 81014 66444 60596 16478 97128 09626 58578 62000
28848 19141 12612 23731 91709 86427 23609 45407 00000 +++++
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12164/10336/8016 kHz, 20-12, 1015/1025/1035 UTC

34359 74076 78967 62685 41381 79365 36652 09175 73450 84200
15224 33675 52501 53903 94484 76184 58484 63007 95998 64037
00599 95176 01451 97414 13624 68619 98431 72075 40286 91669
77122 56468 85598 78234 26277 65433 54109 77795 01968 97672
06005 99643 67523 29176 92981 36045 28090 79790 59864 14013
08264 95126 22861 30387 46222 10980 60429 49898 02807 92456
77677 70910 08970 65004 30232 88524 00051 79513 18520 09731
10300 78696 88395 00307 26095 56916 99057 68132 21287 30668
44184 12625 23110 61884 37228 94970 82101 46087 00000 00000

52584 31312 96290 33077 77490 31966 41415 74125 90625 90915
71561 47066 92446 15977 28519 49396 88186 97072 55633 41466
72746 49394 07343 62933 56680 62120 86555 88363 87996 26151
77035 57944 49443 39271 63004 44224 35960 12204 53133 40826
42012 23977 51118 84075 13453 00035 40023 43468 43645 11554
72583 41934 18493 19381 84650 91811 40095 11041 73971 57489
83698 04240 11483 80648 67635 15324 77320 29029 40940 16102
38716 54681 18330 27498 11979 72619 17233 23447 75743 95825
76558 47081 00000 +++++

12164/10336/8016 kHz, 21-12, 1015/1025/1035 UTC

94017 53534 07471 88230 19021 90958 80737 05886 66945 43963
88355 35381 63521 32780 64375 86386 29237 95569 53186 23800
78307 27013 21236 20063 48988 73642 52428 25930 26181 90596
50662 76882 42252 89495 97928 77378 67020 32103 41412 30116
22840 49494 08037 02507 85711 91384 69892 47546 58378 35328
08969 21262 26322 10471 54656 63931 32613 15532 92425 37262
32540 35720 67144 34711 13966 88260 29458 07138 94344 51218
98674 70974 30334 55314 40589 91111 00943 43421 83688 55666
50151 27411 22175 84840 99944 97062 79238 41047 69688 60706
29027 32494 62794 22293 00737 27409 06607 24573 13277 21099
56450 13085 13938 23030 99768 00621 19494 56116 21314 36878
83191 85392 15288 12968 36052 18285 55412 55478 75927 43637
58833 89770 02748 01703 04822 77207 23400 02278 94186 55990
74666 33166 60355 40299 37679 26163 68046 57421 42300 72750
60484 27551 84895 06683 41080 15962 07915 95653 00525 12219
14730 09236 25233 16139 18166 55275 48064 35168 46156 01933
27279 22880 52969 27555 64641 13270 09435 65565 98628 30539
70615 36561 33675 79052 44352 84809 91381 43167 09135 61321
94645 51598 54715 20693 20631 86038 43921 23912 83525 38691
19093 64301 33020 48423 01593 58796 79453 70215 57808 71742
81545 57607 30111 63403 57672 62805 56180 80354 06612 84171
25152 29971 48701 15744 44017 06170 23338 78511 12716 58627
03770 38108 31357 22623 15109 38613 88002 51729 66498 07170
00462 20513 33384 09073 10522 89447 50822 58046 54058 49215
03750 11375 55463 86600 25177 04594 19829 39142 38222 05411
21316 30746 02928 91558 11159 05450 53806 82257 93731 01509
39043 77977 44121 33007 97297 88196 65642 71175 33034 51822
10727 42600 76337 79989 13633 86521 38125 75899 08409 38394
96717 11401 30548 31906 76687 64999 25771 36647 05936 50973
14372 73601 61921 94296 84576 75667 42999 31048 13334 85380
25781 38994 37991 07029 94479 28040 27283 55355 53157 45224
25076 68026 56820 73960 65303 74059 22305 32197 81529 35391
04884 99193 59580 03785 51527 25598 06678 60250 66766 06514
35516 29171 52098 22237 86718 84335 04846 76364 38103 89036
87448 85946 74214 37450 03088 03381 14534 89467 38595 74730
23832 16173 60599 64160 53073 98151 75815 99162 84337 43821
91439 16288 78173 19967 36581 12035 46837 11667 30664 28612
01841 53814 09739 29254 49266 01390 46640 42763 31255 30707
25936 81992 37139 88793 59594 65929 32634 33105 54306 00088
80534 28763 66418 94882 51352 95497 05391 26687 47338 21481
71727 71246 88309 48403 00000 +++++ +++++ +++++

12164/10336/8016 kHz, 22-12, 1015/1025/1035 UTC

77156 84684 17060 88193 92975 01748 91329 99902 31362 83013
95017 58547 92697 65725 65974 86556 30035 94603 00147 00364
83996 40130 61730 54897 74035 98560 02006 31546 06969 78375
10316 86757 88742 02831 45596 03474 50350 83320 21922 12586
23855 43222 46484 76591 29444 96917 33455 52655 59453 13680
42164 77241 70305 21108 13030 39525 18295 27806 99679 35753
00163 69976 20707 21754 84378 11639 79486 05777 44104 53142
25493 48855 27740 27670 55572 64870 28007 49077 00000 00000

66296 34867 84322 75959 37726 98261 53535 88216 54860 87697
42074 50506 28259 84254 71821 29642 53969 53117 68373 27022
81056 24935 86622 00284 88596 24559 73150 69031 83083 01813
38880 71837 52182 44019 40416 66702 35767 74940 93516 92153
00183 69834 67126 31182 26669 41318 31425 45194 49876 75705
58299 70177 07422 24538 97714 92249 86418 80964 78383 44800
77907 95682 06203 94394 75148 12108 58874 07642 76684 25478
00156 16201 80140 95562 62181 22121 77669 67683 69280 10702
89009 81711 51746 50083 00000 +++++ +++++ +++++

12164/10336/8016 kHz, 23-12, 1015/1025/1035 UTC

Null message: 5761 00000 +++++ +++++

12164/10336/8016 kHz, 26-12, 1015/1025/1035 UTC

17502 03468 73290 66154 93107 85406 81357 92401 24120 90401
11378 44594 79794 63733 59752 29705 94880 53529 14064 95391
31377 63320 34616 31435 54459 75398 89975 41183 58493 24664
44951 75223 04096 27647 24457 44428 52158 96394 01689 54601
05783 91905 84058 29875 96069 96805 95310 17084 72686 11946
77281 88267 85161 06619 59710 83511 65834 77074 71567 61309
50408 93016 92313 48628 97037 36788 66543 07871 89882 64908
30445 62922 38078 46667 23510 51456 06054 59457 83943 95712
36132 45526 51188 08908 49351 59853 24033 79482 35452 63812
47709 00371 67960 44336 28438 35468 05300 63251 98854 40503
63883 66470 82748 80488 74117 07749 32554 10937 55242 66666
38040 15041 69968 65539 29621 13990 44832 14954 24740 92627
67207 42582 90750 07624 94925 85007 22745 70349 39415 47209
59757 21658 08331 59420 87787 40735 18578 86028 03072 55229
15694 66223 34053 44831 60513 91065 45476 55503 69052 46664
73048 66537 16556 78167 62105 77635 41643 54227 08718 08193
11483 36650 26681 25981 33953 84906 88810 47409 27695 50193
16008 76556 86028 38732 12498 75160 95644 48994 70715 80750
96024 12542 94240 15116 90517 93162 12250 50287 45015 24004
83904 24229 25162 87369 16116 23431 28043 66891 43131 74570
09270 26746 41370 12455 91428 97607 77952 16416 64802 74032
16361 32347 76321 52954 27658 22580 47672 67976 80722 10771
68505 99159 09913 14004 25675 62980 83617 79279 54456 12152
22123 66593 22666 00001 38228 45775 83641 89077 99056 99298
58991 08697 32498 48219 37080 91082 26708 43456 98165 40828
96124 89592 02142 17329 12414 93372 99806 34904 23802 54110
53609 10273 11223 38160 78808 12083 54714 04678 40974 92182
08514 74821 70776 03316 08275 61606 81997 32921 58858 02589
03704 07751 76119 62569 62513 48959 81141 98506 75903 82378
70349 03818 42483 33655 09931 74270 40184 62931 28024 62637
68297 18777 03088 14311 94286 16032 71902 01062 91336 67275
05639 95129 77555 22589 27433 50833 92771 97307 69893 85885
73874 92450 96000 79611 14619 37511 31808 30234 20845 10300
84414 38440 97044 13525 43607 09404 25213 12800 90652 90449
21921 65764 62644 86545 84552 97001 45854 20825 62631 98448
96527 32306 15194 59982 12559 28013 40123 59866 04481 31672
86401 69749 39204 96184 85210 53904 54961 72052 60808 67387
70861 48947 07137 82819 39529 12616 41089 00459 16234 84300
68369 21265 42965 34874 22895 87645 70893 90854 65661 21557
69633 74521 54031 14658 96776 45284 17355 50206 26103 17355
50206 26103 57927 91044 56932 55684 60013 79430 15121 60241
12486 51411 00000 +++++

12164/10336/8016 kHz, 27-12, 1015/1025/1035 UTC

36121 74852 26612 89407 15886 98294 23064 48652 00840 85759
69072 98184 26326 04172 25306 46597 36554 55799 84232 36872
24630 72169 08445 81749 28159 85815 58142 44900 53847 47042
43715 47583 29549 77901 64358 05481 07186 80558 18665 25397
64988 42240 98122 16504 82493 03959 99462 95833 86724 85184
16792 92687 93007 81668 99449 81660 88855 78597 86520 98974
34345 46261 53948 21786 77449 10439 35185 15183 07742 14666
01312 76535 96911 16596 11569 31903 99548 85626 70233 64176
12601 93977 50786 77647 16973 18420 73296 28690 49693 94839
45969 77246 80069 92810 06787 52095 00000 00000 00000 00000

84366 76799 37579 38693 75964 73991 13219 33562 74969 98835
19258 36407 70322 70622 00064 83695 92496 57313 48456 79540
37123 87430 33873 80283 06685 52269 82197 37384 43711 65632
43182 78299 53922 73273 06415 30037 42739 29235 51745 15071

13624 81263 45134 74311 01663 32503 15843 96805 40845 71633
75905 60876 88477 88665 67834 16361 55149 18564 51476 62660
13718 79881 65967 02270 85724 00615 27728 74494 28694 48443
50426 99013 72751 07557 97851 84014 79986 69246 05641 78546
25020 28459 32779 73811 20187 03494 28839 83065 33798 21026
27863 54822 74892 33659 04855 99039 42946 62179 55804 30988
65945 53101 00000 +++++

12164/10336/8016 kHz, 28-12, 1015/1025/1035 UTC

04269 31367 35976 84807 83905 09092 83543 23518 12595 82039
64833 57940 50630 32221 67608 90429 02541 21020 67512 17837
20718 26102 06363 91707 50168 83886 98273 17639 69049 11032
30792 29740 04713 03345 53254 01118 29908 35588 69519 76350
68859 10590 77302 36855 67885 31116 21266 35112 10265 92927
52068 58672 80022 22473 08564 09892 04331 07642 65330 12314
29212 95022 12715 79664 08229 52108 61591 08371 08847 17872
90004 79560 66169 90165 73907 81465 38715 23369 69158 88175
45933 34730 36979 55679 92153 42840 30057 21122 06638 86664
81482 16232 54442 98586 63696 30835 97762 29892 09658 87412
12456 52124 13395 12627 89424 82767 52145 16759 75557 08676
97260 16992 33899 05694 06071 65484 27753 77912 11896 68160
58394 64986 54382 05163 11085 90950 17365 88904 89075 52992
66434 20655 40284 73585 03399 31593 06337 64457 79825 19286
48664 75793 36857 15494 31327 29145 63482 46280 65275 57464
90444 70330 43719 00700 61998 06439 23297 30402 52665 86087
30738 01767 21217 92067 99691 56561 19037 69063 67431 25360
95070 17159 86099 02542 64549 04177 28195 92474 33663 57819
90987 50330 97380 23519 29543 65961 52607 98952 73049 64292
93852 81160 04135 20639 83612 87186 05854 14417 14643 34206
06047 69661 06317 90052 73740 55803 02249 30099 47294 47135
61377 61418 98969 64407 59694 00173 65610 46990 44802 13162
00126 29036 10494 59462 23463 18092 83538 93109 81754 99581
39863 12751 38330 15611 92310 69206 55274 91521 17178 66880
44228 08642 11700 19954 91114 46658 99685 49305 84476 44065
27485 31085 02119 50108 17470 32895 35730 66671 71229 98494
58193 03548 39655 66989 63246 95521 02113 37420 32204 54706
21874 14706 07411 56571 70018 97869 77124 83103 34972 96489
01511 71530 59873 86304 34438 42047 74973 39923 20760 02987
17228 93565 73780 56869 54291 35777 62569 55768 55095 29055
63842 79425 74186 00319 58071 34565 42036 61167 74519 98830
78478 43861 14895 57792 71496 63962 10303 08455 88510 45573
91186 27709 12392 70106 74939 29163 19355 34532 00887 56787
40943 30039 67317 88811 77276 77028 50250 50325 53763 77412
08627 57986 38447 70119 05621 45318 62194 00768 00748 41994
08899 41435 92455 05573 67889 21464 15905 29108 65740 55234
25598 73077 19654 77857 17567 95060 79619 24705 70799 75616
51527 15734 12589 63781 18428 30525 37496 90638 02121 84987
34615 24391 32267 45660 02828 65374 15204 42547 58727 04447
19658 66425 66916 93201 21539 61561 47343 99428 75000 49783
39386 46267 01966 46823 27361 58488 17287 56902 57138 64347
31744 56454 98564 26435 00061 02964 33373 99971 06130 29831
73266 54421 00000 +++++ +++++ +++++

12164/10336/8016 kHz, 29-12, 1015/1025/1035 UTC

54582 88774 22230 62251 52494 11335 53457 77618 60925 88722
02786 67348 80775 22771 41065 69161 92997 55040 35066 86712
39869 91916 66689 54383 92687 61827 12818 05292 35574 53032
28000 53465 20083 05409 97153 26108 70299 54690 50479 06907
43110 52573 57760 76308 73341 11146 44259 59706 58440 45067
95362 19474 62404 09946 42208 51789 43631 60336 45431 74171
36378 75807 19265 14689 40531 28518 63145 38758 99355 90726
93027 74477 69924 05684 89603 55075 00000 00000 00000 00000

90006 68101 55383 38074 19089 67759 83012 13446 34713 02869
59422 79393 81900 15800 57766 83208 79705 89783 09018 28849
68399 03591 69122 81471 75893 82410 67115 76754 08097 68345
51379 20941 92868 58981 76233 92535 32293 87463 96044 81615
42927 42507 59046 27654 88727 51785 18047 41839 36347 77146
00224 24788 87472 95071 03191 15609 67908 60828 09513 33262
78084 79754 36875 96124 34670 34109 66076 30729 58001 38925
14049 05596 84986 25301 44079 51097 12193 74577 30426 51299
98791 51828 19523 18709 84057 56085 00000 +++++

12164/10336/8016 kHz, 30-12, 1015/1025/1035 UTC

Null message: 5761 00000 +++++ +++++

F06 – FSK 200/1000

Link 00000

Some of last month's id 00000 schedules were still active on December 1st. New series were found by linkz, radiotekhnikaT101, VSh, py and AB.

9043/7546/6833 kHz, 01-12, 0430/0440/0450 UTC

16007/14513/13486 kHz, 01-12, 0800/0810/0820 UTC

File 44490 (binary contents)

10975/9907/8184 kHz, 01-12, 0520/0530/0540 UTC

12218/11535/10162 kHz, 01-12, 1300/1310/1320 UTC

11100 00000 79462 30091 07229
62708 75057 07783 90109 39216 16961 15994 33912 18346 45133
79120 59218 84951 37031 25442 87384 20597 49376 58072 06517
03478 36508 40476 67799 33832 96175 19193 67865 89526 66214
00952 03134 41500 20535 26375 07062 83764 37867 07446 06237
57642 41695 20934 56267 74930 34821 74970 43379 69673 76997
90944 62689 33243 79058 67932 09063 12401 12001 21825 41511
75042 54434 16348 07070 73299 26854 28175 35070 58693 86165
13299 37773 29033 78904 66863 78285 11730 76577 93645 91688
13232 41575 31359 70342 89257 97090 93987 49277 15514 99473
27320 52621 63598 36467 93877 87004 11756 99762 29430 92872
45192 05301 38276 89642 25621 59777 19483 75651 34742 96760
41269 68823 21328 30892 05719 98995 06616 03581 71022 87846
27680 18640 23411 77354 23493 91305 15999 92732 93333 59073
16700 50770 82261 27780 32416 49527 73321 51389 01682 00307
91170 68892 72956 87856 46830 46791 10742 69728 78225 00567
96729 50733 66222 93607 18143 93432 30836 37003 60483 50606
37306 38661 46858 30625 66716 75173 91066 31673 30863 84881
56660 05754 36035 05560 39134 38426 25420 05177 13456 55186
54807 79149 14114 90464 81273 12550 39871 80140 69552 30677
00415 63545 45761 86461 47088 05863 53183 58112 54889 76887
89785 55456 47931 47059 32162 58409 85542 86729 75590 36018
51201 79576 44893 19494 11494 86130 55781 27699 37266 18326
31376 68505 04189 11028 03599 64476 14889 01472 54100 76292
09859 52542 74443 22379 59320 80852 50195 18153 53233 75527
98648 83346 31634 18666 14830 90824 22499 43382 05505 55352
79309 90397 15858 85731 35513 49098 78530 48766 18069 94000
39719 18472 87260 52570 42000 08977 94966 65322 68589 14562
78571 24146 78711 05254 32719 99787 88772 51431 26073 94434
79015 75867 55295 80329 30356 56658 53409 10361 21083 29456
94752 11564 38104 62468 63696 97466 82435 02641 79319 60223
73611 16473 93234 28469 82712 73897 02735 01836 48694 48664
46471 98064 57697 33668 74831 73654 90045 94652 12211 03982
64592 10733 53374 33835 35132 75165 61074 34289 18539 54823
57143 26871 59340 31784 24212 60946 60393 75494 60273 55266
34375 18937 53262 39611 55748 37236 67836 57469 17912 52144
61564 15693 25209 10845 72680 92053 74491 12509 46621 36659

05915 81039 93513 28144 27668 07455 93805 70588 44311 10326
94238 42098 43412 87726 61324 30976 20177 59119 84543 20436
44753 20625 46428 07786 01896 62106 01733 69019 57683 19504
32873 04760 32977 60866 73817 28484 88300 29508 19631 82970
49834 92735 63846 95912 31212 69570 30852 10624 30805 35925
95495 52774 09181 30648 07073 19115 76425 10890 59903 99094
44021 30222 77678 65336 20954 37944 03757 93892 58753 23031
14616 00228 75143 51128 98625 01856 10996 68070 67350 43581
00267 68326 91550 46270 57617 51831 79081 65099 13388 17634
36877 68205 50633 67794 84198 71697 23887 19976 09344 91937
64357 52169 86997 01058 01234 27973 98417 96631 53796 75889
21637 21437 74009 21055 83876 94270 44299 92852 93350 37717
60182 56837 92651 13839 52458 44416 00910 03713 28629 78727
36906 91746 38254 20134 40331 40724 91909 79799 33376 68510
88457 74753 89842 62345 30292 22910 03958 91685 31274 01456
76088 05513 47020 17062 57536 25046 82245 61345 21596 67815
54845 50025 53079 64010 21398 69199 73479 51049 93791 77202
43968 57323 01638 35452 13410 11018 80185 66748 03587 34987
88403 64442 48817 13589 86927 00932 32154 42439 30561 08902
85357 97002 55013 33759 44815 80981 62556 80699 80620 40420
36309 04837 40972 54464 37808 17836 79093 38732 67575 09492
54871 22209 93360 07681 28369 83615 75740 25135 87440 58193
45781 66466 76605 50830 14424 93882 19378 16478 18308 75033
51244 93783 31706 61421 05478 02891 99249 70818 18963 43329
69158 72124 50230 52949 31631 96099 26890 13821 92110 20421
64643 16046 34094 02486 25065 15421 51180 58411 04342 45877
53046 11661 70152 72653 75039 59736 88891 97120 46059 32376
10397 49209 94442 39693 02396 28367 96512 33691 51838 78997
97499 31601 75322 11299 59501 74465 05773 03456 16198 19422
47595 46120 38976 89104 17460 15102 44177 26625 12928 83236
96143 29547 76089 07337 85750 61305 44412 51185 89117 63508
05987 30501 36182 17550 01349 90813 43818 28977 39077 54182
93204 33055 17339 95709 56112 44950 68594 35765 99800 02994
69617 58881 25223 78431 84045 95238 18217 50134 29637 25688
18369 67669 87416 96248 35245 51204 94909 53015 66669 01652
90638 33408 98741 19512 02087 74712 92286 55846 94294 25843
91720 00000

20964/20187/18914 kHz, 01-12, 0730/0740/0750 UTC

File 44434 (binary contents)

10984/10158/9213 kHz, 01-12, 1340/1350/1400 UTC

5417/4753/4061 kHz, 01-12, 1700/1710/1720 UTC

11100 00000 85412 30092 03029
23336 31830 63016 88999 26611 65391 99073 22165 14943 10098
90468 81636 40699 60476 48288 90105 28647 71876 81867 32218
66836 83654 58480 71758 86264 86213 82261 65015 21483 92820
97054 93789 69361 02147 42882 66459 88173 62476 20703 60554
04210 73501 45169 05267 18097 86661 90052 27344 28003 89950
56039 08799 11939 88133 15568 29873 36313 14317 14414 95686
82961 33796 34695 70026 11804 26130 48991 64691 01345 56378
20265 57848 34190 71428 27269 39826 19769 82365 20136 09787
71451 18814 35819 71720 80250 66181 28097 03184 52289 21762
91808 95239 02230 30613 86014 87017 19841 87166 85776 43349
51905 13491 17231 48897 66639 50154 55655 17236 92822 20624
91210 38302 50824 55135 92044 12670 17707 84973 19445 46074
93603 43105 74734 02628 61549 32086 82591 40163 57961 45204
40480 76153 95945 51771 88881 57616 08625 82520 82022 33480
04678 76033 63763 52818 53268 72143 78365 37398 40556 63248
70799 01990 64980 39469 56295 20865 63497 88595 63819 63923
85968 36755 83158 50882 59868 40739 70315 96979 12527 67927
90880 48606 43067 24753 06092 32327 61242 19631 31244 65714
35358 71304 21163 03436 16456 98535 62406 17030 30963 52081

76901 31819 58976 74893 66680 69381 40392 01475 54437 69026
76039 32340 99551 86720 16033 44505 94306 94882 52516 23953
69955 31496 58984 31005 67348 71983 43380 34551 51796 22263
07145 76046 76854 56438 27413 49254 26728 47554 04544 06623
91968 64858 42166 28285 58170 35997 51933 14576 12332 97601
00175 88026 96586 82678 38621 15777 63983 18265 86414 88322
16005 31766 55556 15558 26510 89427 37017 26036 81793 15371
89665 80389 91441 64638 99225 34852 49682 48668 99438 15810
51902 36663 72612 91332 96037 81262 71766 50606 23506 41975
31533 27222 79385 04805 60024 27244 96508 21497 28841 48001
33183 16862 03411 98544 19203 37592 80849 57692 89847 41031
92300 00000

11100 00000 75319 30093 03029
63566 66555 66593 67201 71944 27344 03614 10561 44381 89503
23178 96624 38093 85863 98189 08738 38918 66201 55442 45396
36974 44258 54447 33134 84826 57357 29248 54349 30374 99545
97910 13505 41614 14219 69376 90154 65509 57148 02371 52215
88105 65867 96044 27935 88116 96323 17044 59987 01153 12779
92688 90134 36781 41843 24963 47891 15599 26628 04980 41635
18528 41920 32632 75587 65487 56338 71101 41123 65659 52393
90919 55819 06522 40394 83268 48707 73834 27152 47208 15152
19778 25389 80508 89786 21413 14822 28795 10969 96667 90833
72675 75164 70032 61687 57540 04715 05144 80207 95731 77419
46452 20876 95761 91380 37165 38269 98265 63521 05636 67788
23387 85253 37408 54606 59269 83696 75085 21775 46352 61906
13224 13439 37157 16548 80430 74068 36245 56438 25854 49681
50043 70416 77882 33878 52533 74085 46065 92698 36967 50016
14221 09237 88098 20379 91970 27565 52152 25269 52328 72848
15853 29304 95774 84471 36057 91454 65580 95849 40170 25377
88202 05176 23622 05558 97773 66574 49396 83716 11847 37607
29304 13894 50602 44063 91671 09675 16704 47965 65151 81973
77982 29748 33331 30826 20138 20521 39824 89620 61649 45378
48551 45208 48085 63672 88868 82335 67984 17202 40254 25819
57519 22249 36238 78921 86105 66395 92248 81352 40162 96067
87073 35341 47202 05742 52631 73198 07443 64738 51717 64840
25122 42562 48437 88675 56709 18712 00995 14315 18204 87894
31537 70532 18692 96594 52733 96924 12370 71924 55783 02686
86208 28697 89535 80962 25453 65662 85411 52209 24133 86837
07808 34974 32790 08875 34688 67582 60598 40401 98026 29119
74055 44266 38808 33178 59463 18642 56265 92793 41345 57904
56043 80007 74021 79238 26971 28496 48514 25903 01142 52709
81963 83096 76980 81942 81762 67351 09978 32795 01583 75406
00800 68436 31474 03491 35444 18137 89244 72947 57127 55483
93300 00000

7482/5092/4043 kHz Sat, 1400/1410/1420 UTC
9481/7992 kHz, Sun, 1030/1040 UTC. 1050UTC not found

7482/5092/4043 kHz, 17-12, 1400/1410/1420 UTC
9481/7992 kHz, 18-12, 1030/1040 UTC. 1050UTC not found

11100 00000 12548 16055 01779
59874 66252 81437 26020 78058 38222 35489 12097 11678 43090
46721 17869 64288 03305 25703 62763 40910 58395 17218 81400
43233 34759 17973 55935 50083 41727 25673 05144 81571 86082
80371 34920 70380 22231 84039 79906 88611 80189 09303 90905
03642 38608 33275 47795 61413 34993 57423 02611 20611 30321
99405 82491 86152 70244 67826 07184 15428 10057 55827 00774
95741 95619 14473 02351 16369 17437 91857 05288 83693 80052
48866 79812 52837 53978 87543 58577 74240 02320 52985 89894
78610 99304 94715 88349 48701 82882 98464 37446 51329 08609
24295 24006 28097 96967 12021 08985 68237 91359 39841 64409
12021 68902 47137 31102 58179 71267 57365 76910 73753 47706
61988 60102 29838 27492 51377 27623 11629 63921 03623 02911
76230 17105 67196 42943 56654 67701 98392 69214 35446 78800
39502 02325 36377 48144 48633 54867 07642 17856 17142 62305
94999 33884 35590 56530 28285 72341 94181 11775 69748 74920
28603 17579 97639 60584 47214 58501 23491 05709 00531 05245
66518 09876 78914 46905 33603 89493 49437 19017 78265 66437
67838 07084 37086 43897 26514 55175 00000

7482/5092/4043 kHz, 24-12, 1400/1410/1420 UTC
9481/7992 kHz, 258-12, 1030/1040 UTC. 1050UTC not found

Active, not decoded

7482/5092/4043 kHz, 31-12, 1400/1410/1420 UTC

11100 00000 61973 30057 02239
84002 55166 88805 34011 09679 84078 00760 54497 34336 11752
27381 60420 85728 66196 29883 38676 77519 86598 33568 37630
35786 99610 28018 61810 41251 74250 60350 31938 98172 10105
94977 77470 65831 38518 38309 53861 13558 41460 51826 01706
85221 17755 01985 89972 84142 51358 20362 10508 14344 61380
72497 15987 39087 38525 58866 18523 42638 97652 96411 91096
06188 01132 54092 39012 33869 32692 40856 33558 89812 26443
69508 25061 32175 80757 44887 77525 55076 11713 49792 92041
74380 25763 27111 11143 18273 16338 81568 21323 08544 14059
49546 95871 43552 45251 10404 45234 18765 78450 37743 67082
45852 63574 14049 13272 56239 93471 57151 15889 00079 42512
31932 39562 76564 61913 45736 52234 56534 36503 50898 31575
83292 32588 02846 49228 62596 91620 47202 00080 77735 49362
34328 68729 90649 85215 84751 50359 15019 31424 53900 68184
72263 96818 69601 54670 66390 84808 40763 88713 38625 10289
60690 05957 87769 45171 53466 24446 67215 47210 36837 52803
94555 51813 00035 73105 34738 31540 19983 15657 42681 52950
64323 67847 76306 85510 54682 84277 15917 42239 88643 90342
50862 56773 43843 96456 19425 26553 12628 65116 12865 76801
40724 97974 79566 25000 68344 35131 90216 50533 97172 83810
49956 99200 31667 18625 68443 77275 68118 20607 23763 14809
29894 47197 81122 02850 72316 50378 52268 34288 05609 85142
06565 57221 00000

DECEMBER SCHEDULES

5811/8035/10835 kHz, 0540/0550/0600 UTC	Repeat: 16280/14451/12114 kHz, 0920/0930/0940 UTC
7643/10547/13948 kHz, 0620/0630/0640 UTC	Repeat: 15940/13491/11083 kHz, 1000/1010/1020 UTC
8037/10971/14444 kHz, 0730/0740/0750 UTC	Repeat: 14979/12170/9279 kHz, 0840/0850/0900 UTC
15693/12170/9372 kHz, 1040/1050/1100 UTC	Repeat: 14842/12155/9155 kHz, 1120/1130/1140 UTC
5306/4755/3874 kHz, 1610/1620/1630 UTC	Repeat: 4757/4467/3850 kHz, 1700/1710/1720 UTC

16280/14451/12114 kHz, 05-12, 0920/0930/0940 UTC

11100 00000 84136 02012 03359

71335 27808 02687 85680 98741 55021 18855 13026 97969 13581
 73254 40567 51197 46278 14379 58504 23068 19578 65742 15342
 85764 17707 40058 07529 60968 21212 75779 80922 20902 80929
 50693 17495 15643 23299 52249 05743 18895 47967 09318 18217
 09403 03610 15059 44620 30198 52917 95595 53917 92863 62675
 04169 83872 19012 79883 45473 81475 36151 79841 59859 42683
 70130 97153 22075 24912 01366 75572 34260 30723 77014 97633
 17854 86135 96293 80008 34122 62011 11138 45522 87985 11934
 09367 07765 94836 25039 72568 29243 15025 17217 25872 38995
 85715 09133 21804 20627 04795 64506 25415 06688 46510 87071
 92861 40336 13542 99680 60631 90224 55185 53957 87607 29547
 06332 43967 17144 15185 26944 22325 51350 27883 46698 42181
 54776 59402 44499 73520 29671 57585 17541 67222 30016 65263
 19602 65306 06513 13953 73274 80812 99718 58270 85805 95738
 23512 62014 23228 50492 06077 71837 22499 23278 80592 39462
 46292 22861 42825 78354 10174 43157 17792 65830 36815 53067
 02704 26484 16950 20004 78355 57924 81756 90553 06170 84718
 16351 76699 53067 51502 69083 21050 11357 91187 36323 39505
 05837 29202 27417 64810 05287 09709 39512 39419 80538 54723
 96931 31111 76328 92094 34785 69803 89091 13255 31506 28990
 67912 46706 20004 00247 80801 58157 32118 34239 13491 13261
 56052 46678 92942 63889 11496 12646 52745 43880 72102 97741
 82595 85191 90016 99486 29051 90402 02145 97408 39734 22511
 22850 35269 68186 97932 52757 83845 81556 93684 58363 57724
 38296 04648 02132 84531 28078 11870 27766 50046 91097 47851
 30345 67626 58962 69721 66009 45388 84346 76280 80883 49585
 51607 29819 63932 87602 85544 68658 53417 59029 00486 21354
 51666 48232 56903 58499 27822 56862 17725 43054 13275 99754
 21552 65162 19452 12633 14947 72362 32661 45073 11000 31160
 65667 37159 66351 80871 70707 03262 93849 65706 43603 71390
 53056 55997 73682 51550 85754 94529 19194 31528 88677 28914
 12884 23574 40628 15920 27449 10387 26172 08730 55535 63862
 23112 63036 83973 35022 45915 22921 66942 38582 62281 72464
 27745 80584 25046 12333 00000

11100 00000 75384 02013 03359

40954 03306 89039 96012 89506 10686 12985 70792 37805 19784
 74548 49101 32466 62104 98309 64153 66199 09370 58779 42970
 21452 85506 09056 93410 24306 29892 65833 72937 07075 04066
 11687 43815 03021 59080 00583 44411 21643 05686 77554 31311
 77966 54533 48468 71909 74276 18585 60831 92185 57728 94922
 81562 09338 02275 68129 82686 03969 88348 02455 70865 11511
 78734 14922 21719 37578 14071 46587 04867 26927 76418 74135
 10633 40722 94329 28983 14346 21789 87867 16101 39172 52543
 76993 49725 03429 35281 01775 48145 63296 49522 27855 54776
 86891 66090 35597 77671 20612 22621 16377 64690 33716 90179
 24425 56498 52052 85683 57683 84575 16894 09812 66099 06447
 29806 15087 10799 95298 69482 33825 22578 26175 91498 20635
 33144 25953 46906 89152 77553 79264 80619 47708 91274 07568
 95516 63598 50320 63554 93205 10666 27879 08066 27391 79861
 65892 61729 30767 57489 85012 48476 01392 00807 81369 73155
 59468 65682 83598 00399 10470 65988 68554 26965 75558 69421
 59162 64708 75217 59429 52821 76394 77050 17951 53828 31522
 43675 08635 08231 74367 41652 65235 64563 21406 97386 14875
 08900 30332 10943 90854 47663 07837 63701 14702 36617 48348
 80805 52151 79498 20916 34330 72727 44709 46423 98105 67635
 73509 32325 90149 05642 78161 57093 63622 31626 53442 21544
 32260 37494 49981 09266 41224 60152 82844 23304 19284 86207
 73817 91302 73302 68103 50809 56303 10927 81360 52827 95355

02453 77625 13961 33168 17778 13204 24793 42951 99397 57769
94704 51662 57366 12938 63487 91829 97172 95389 35714 67148
16465 64234 36297 24029 31553 97294 10677 46298 19646 46011
18081 15222 87735 23642 91281 02056 04087 06455 61295 85298
53264 52590 70465 09845 00623 68293 22356 30209 77215 76193
41903 05033 21050 65321 44257 35041 35623 27555 35751 61641
51685 10173 95439 68362 03161 39218 10637 52305 53166 93341
64904 57805 31069 32824 01906 89486 66509 13462 13587 46899
31340 40003 26107 47931 25411 38823 81964 33162 67140 54525
41742 68384 74805 00151 53932 87431 49496 15699 66253 42548
95667 14625 76916 13333 00000

16280/14451/12114 kHz, 06-12, 0920/0930/0940 UTC

11100 00000 14758 05019 01129
46291 01524 84241 99881 59662 48011 69833 68510 80634 14596
74159 61121 68426 26346 42461 78417 73976 50131 44999 26261
74429 85824 26823 33301 05001 44329 91631 39004 42871 85845
86897 88026 22836 16845 82449 91888 89371 69161 59696 43850
14821 09655 53694 97967 38372 53874 15217 48227 05534 82170
85048 68735 12781 81675 97658 00864 87063 62610 56469 98313
54872 22338 47882 66024 80534 55614 86273 53872 78438 34461
07121 91083 28876 06112 50475 72315 52180 82458 01941 31333
20852 19439 83369 63212 14364 09804 10451 81035 46329 37704
59372 17972 18715 68522 09768 10729 82802 72408 56102 25273
11566 04933 04723 10782 13170 93310 98718 92749 40259 01636
19110 00000

11100 00000 85241 05020 01129
13852 62505 82062 88548 25838 68355 45097 93657 06050 67649
57241 55308 31751 47360 31655 05783 71755 63548 83571 70924
78683 71381 24158 58211 23110 64633 01751 81657 11800 35588
45130 96961 57201 91294 88542 45346 90410 87106 83141 29532
34769 63442 24549 70272 82300 96705 51207 16896 40166 00308
93233 10285 39321 36720 76435 21741 22573 26501 11198 16159
54220 65234 20924 12961 18456 84312 89702 43218 98734 16509
33913 26401 55278 52270 27439 15201 42920 97665 35180 81847
36461 69942 34557 44376 55740 91609 29689 56268 07595 68994
87935 07912 86903 66215 53489 13311 03902 10492 17707 80492
29948 89753 50865 89038 78942 28456 25030 23185 66573 52571
20110 00000

11100 00000 14365 05021 01129
91815 75442 53959 67221 55814 29523 73611 05793 20414 62321
41969 46246 00307 71292 41293 49878 26846 12596 24331 15152
41061 09903 77092 85386 00826 34007 35650 26457 38129 32919
55363 66707 27382 17140 55996 16255 50690 29794 91139 07879
71044 56319 15398 26676 49355 53389 47754 20676 66271 01762
54581 09597 34723 12748 00702 33943 14127 42971 41965 11605
62183 97122 57759 94183 85213 23388 46902 40203 72969 31243
35353 47396 28850 86288 69172 11277 31469 61842 91175 02155
88503 51933 24720 77802 68771 75431 13051 73951 23465 25962
87653 39809 32479 47320 64053 10780 36783 39049 88482 35586
42757 21893 83876 99966 09444 17794 68612 14149 54642 24130
21110 00000

11100 00000 95147 05022 01129
28918 84743 17460 59937 46606 75417 42060 39384 27555 06058
61348 49373 60744 65868 17902 60563 63411 35740 64690 55368
10394 78704 36075 76655 46378 44925 91545 40218 16997 70938
30662 03197 79711 77820 02614 05654 80417 97953 58849 27478
06711 85112 22219 27803 53750 87524 71041 59139 63654 88611
61562 73397 24373 45095 37226 61997 38971 77150 98202 97239
01253 90299 29600 67140 38677 33733 11811 20908 08496 24737

61425 67254 58050 93931 76149 92722 85160 30991 82155 92218
59563 35538 07325 28952 91304 02910 28797 65935 57061 99461
68275 36277 20294 07124 33528 44415 06194 41873 29512 15502
17354 75822 87567 35118 01092 17610 86114 46511 04379 30776
22110 00000

11100 00000 25873 05023 01129
65601 56798 72416 90586 16423 18507 08304 53520 82455 74927
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28632 91316 32100 25876 34300 50456 07886 35604 88812 11654
53433 43079 34538 30378 39227 41420 15566 94525 17036 25862
65074 30032 91701 71482 87728 81576 68433 88373 29272 29324
80258 77688 50525 27640 25350 37007 47957 76717 68900 88454
88030 63044 89231 28012 47503 29668 72833 19457 76876 62167
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16595 00191 09120 61001 43892 37430 33773 49874 82996 40142
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78022 00291 76281 39397 95210 22639 62551 05783 14333 14285
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90053 07935 28334 50652 15625 91294 68263 93953 90558 58780
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53251 13102 42695 53348 99844 22521 32119 12388 56098 16402
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16958 52691 67271 66059 46006 83605 25105 46052 72633 12854
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38434 29057 47131 96007 26508 02485 89220 29560 51481 21914
01668 80688 13607 75012 29810 86119 21684 06633 77187 34916
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94793 37545 96256 41281 82161 82442 73837 58615 35801 84613
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06037 40087 66030 52659 87579 82128 34894 25316 67839 44750
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47060 15260 93725 32977 86828 83926 32955 42504 70779 32430
55059 30143 90588 19517 30595 07852 76815 26862 87352 86611
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75483 25267 40633 38996 09883 41726 23278 44096 45437 23184
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11100 00000 57214 06038 01129
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59574 54503 04727 94024 57794 20014 57741 53483 62470 57528
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37397 02357 82903 05521 48715 93673 80591 36886 07170 29123
49031 11501 24666 50342 81927 00514 45015 91696 02646 53433
54207 50389 08509 88399 75542 80891 36692 90376 04322 87122
18873 53185 61769 10822 16850 26321 72882 39552 56302 52500
97895 82764 00874 06862 72048 89375 33789 73765 33330 05277
39170 22132 42917 94228 00246 65247 27958 70567 56644 15983
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35551 35121 72307 33446 32887 12309 13032 22235 58807 32570
71427 18705 58827 97079 96411 57652 32969 11209 16080 60778
70870 03778 52738 05606 65103 37431 93502 72226 13661 64802
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09131 18633 24850 55754 65744 99897 50985 29524 70254 01828
62897 27255 84044 67835 35147 84229 70903 28750 56330 90672
93158 27250 69990 90060 71980 63097 19536 97450 47769 38854
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90010 27661 26492 63212 33010 04811 61958 83955 27903 05745
52008 26250 25280 50581 08054 76231 76216 71634 51302 13164
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43895 56793 60406 72540 20864 12283 01128 42802 56907 73519
40110 00000

11100 00000 76231 06041 01129
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74601 08668 15033 64635 14659 65360 99568 87896 09925 16881
34967 63140 23803 06486 43734 09034 55255 32189 06934 60847
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32355 98702 56346 00982 65647 18397 64239 03852 78539 83298
29536 27163 43608 72973 08450 18864 09940 54600 20639 71063
82195 47074 13478 60164 15021 61769 09637 03496 89959 55905
17646 30891 67092 59441 10138 94641 28555 61452 99445 66268
56146 66905 65269 93547 10205 59790 14058 16225 01940 33535
74834 63865 76409 74639 61127 84259 48332 10471 53702 75844
57911 57162 83785 22558 38874 28542 21461 54575 15901 92029
41110 00000

16280/14451/12114 kHz, 08-12, 0920/0930/0940 UTC

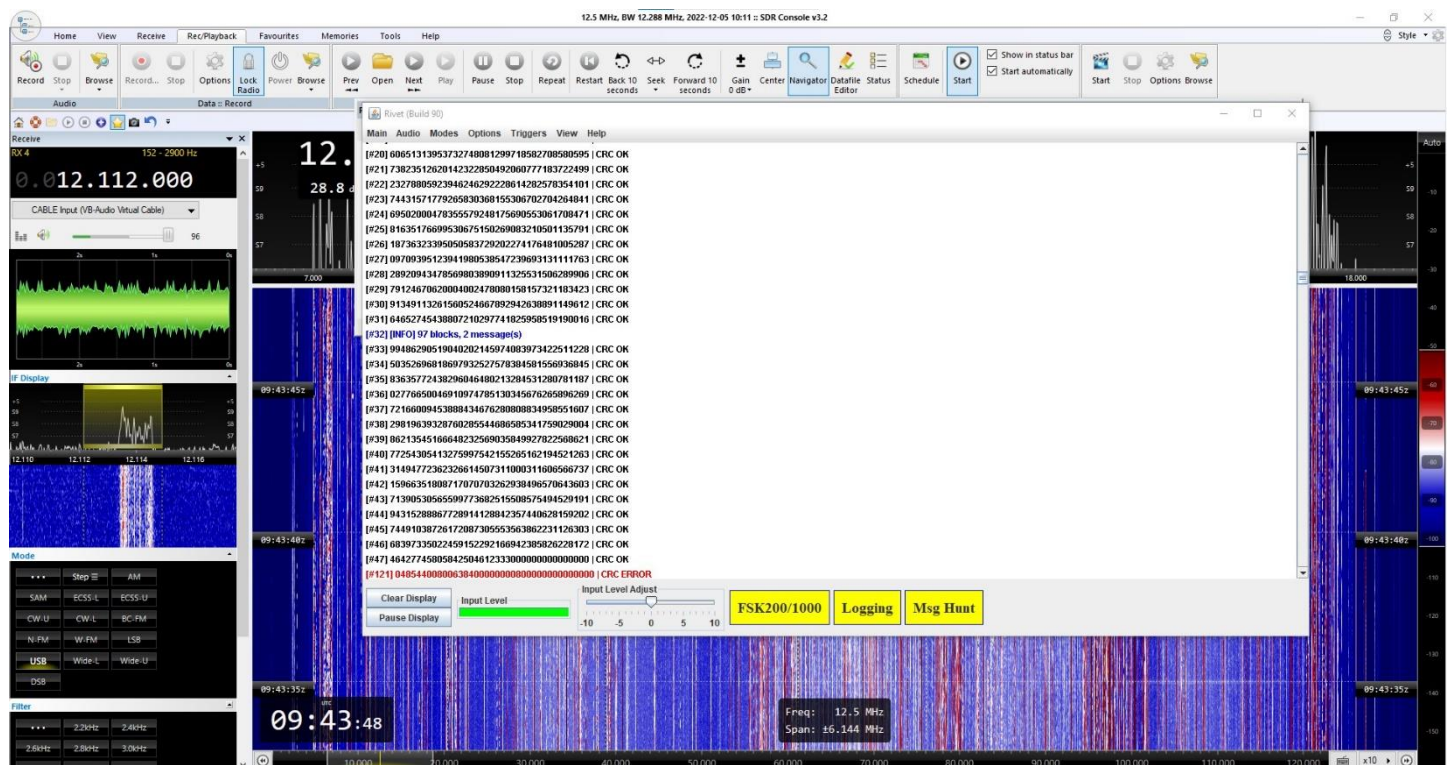
File 44451 (binary contents)

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01913 95893 57886 54497 26774 39156 05617 33351 37588 53596
67842 35506 08065 27458 59280 77089 06620 16663 03767 73359
64878 31070 84254 82416 65020 14956 63999 04884 06915 26430
02370 56726 40974 45460 13734 57408 77670 65199 42836 00561
09648 46302 55132 99362 07368 38914 65484 23816 74237 02028
53692 72102 72132 74884 40259 43208 53280 80121 20866 03005
59423 63340 82960 60980 74205 98784 52925 99795 39716 15831
47237 24865 73139 25954 26080 26142 44428 54875 72826 69296
00960 09577 47845 58484 50099 34858 90050 37870 35604 39137
64656 24125 68823 94177 80552 87052 00618 38424 25742 20562
44929 38646 94294 71144 89964 89561 03233 16075 57903 56140
22798 08491 99079 88273 68536 31564 31578 62492 28634 28941
62173 30417 24949 03633 49556 78646 31167 02561 95783 29748
96526 28924 76890 39054 48548 49592 48589 66946 73200 89707
88017 31319 95953 31669 57452 69893 12142 60715 00933 67102
40081 24268 09734 25191 95383 97228 17623 84265 09892 70429
11842 20936 43686 04410 70744 80272 63597 15714 64038 20744
86652 87894 76554 76834 11909 24414 41495 69023 89096 85622
94088 15813 97523 77013 81594 27499 33663 80925 90591 86362
30873 48900 77488 42982 59688 96862 13198 83335 82106 70327
77902 46400 58324 71808 66861 96923 29343 67623 93186 83062
23903 16284 98532 33564 63157 85651 07625 74192 61551 51050
87589 68081 47321 91524 97986 09693 51063 26435 42520 27088
35802 59562 58333 72173 67011 22928 03849 03635 45999 37504
31072 92224 55120 33009 53315 03108 88237 93969 44259 34939
64877 24239 29308 20375 51510 47168 55159 17687 38404 83593
48542 48187 45472 74862 00046 59137 55573 43050 33987 16828
98680 05579 50254 59533 35374 86420 49049 65006 13085 91065
74492 12216 93529 37445 38001 42011 74775 60006 07393 46395
56367 29117 72658 41105 20969 52982 24315 01175 30931 54279
05313 64177 63253 38679 22401 30827 31351 97453 27911 17638
67082 11352 07884 41314 61463 47929 37483 39569 87514 69531
89636 58061 53671 94096 07825 58122 61204 75990 78981 24983
64068 99037 67421 81167 54648 98952 95742 34755 23802 57356
83636 17191 68674 34552 80551 90335 46692 33268 53134 27442
99186 10543 13400 97741 93096 79936 98560 09336 54154 71267

38447 90071 90032 40055 71474 11098 26855 43857 95071 82779
 07538 27687 61528 77665 25369 85702 55180 60196 91292 91350
 11894 27833 58317 13158 66758 93304 51486 58352 40947 62651
 76859 11505 03676 88762 07931 60377 70192 05080 72929 26164
 21744 69176 91432 40320 58447 70877 33734 35153 21016 84624
 01407 40376 42267 70760 52490 02802 14348 55431 19746 71373
 82629 43791 95418 14709 02195 46189 80936 63359 17861 22035
 24988 93955 53675 71031 98424 97439 22819 26453 79404 98565
 93866 30161 47237 18859 74318 94052 08354 00216 97365 77615
 02845 31341 22813 36287 64997 44198 88093 20298 36282 72673
 70327 28700 54209 90629 45346 48246 65512 71543 54632 31830
 37073 36914 16102 96158 63047 85623 39676 43353 91618 21451
 33575 36164 19812 20909 12268 81483 29820 08602 42024 01850
 65264 32299 85000 99623 70835 54893 27799 43532 43758 05442
 57500 00000



Decoding F06 with my ELAD FDM-S3 + AL1 active loop antenna, SDR Console v3 and Rivet decoder

16280/14451/12114 kHz, 12-12, 0920/0930/0940 UTC

11100 00000 82136 09074 03359
 34335 27808 02687 85680 98741 55021 18855 13026 97969 13581
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 85764 17707 40058 07529 60968 21212 75779 80922 20902 80929
 50693 17495 15643 23299 52249 05743 18895 47967 09318 18217
 09403 03610 15059 44620 30198 52917 95595 53917 92863 62675
 04169 83872 19012 79883 45473 81475 36151 79841 59859 42683
 70130 97153 22075 24912 01366 75572 34260 30723 77014 97633
 17854 86135 96293 80008 34122 62011 11138 45522 87985 11934
 09367 07765 94836 25039 72568 29243 15025 17217 25872 38995
 85715 09133 21804 20627 04795 64506 25415 06688 46510 87071
 92861 40336 13542 99680 60631 90224 55185 53957 87607 29547
 06332 43967 17144 15185 26944 22325 51350 27883 46698 42181
 54776 59402 44499 73520 29671 57585 17541 67222 30016 65263
 19602 65306 06513 13953 73274 80812 99718 58270 85805 95738
 23512 62014 23228 50492 06077 71837 22499 23278 80592 39462
 46292 22861 42825 78354 10174 43157 17792 65830 36815 53067
 02704 26484 16950 20004 78355 57924 81756 90553 06170 84718
 16351 76699 53067 51502 69083 21050 11357 91187 36323 39505
 05837 29202 27417 64810 05287 09709 39512 39419 80538 54723

96931 31111 76328 92094 34785 69803 89091 13255 31506 28990
67912 46706 20004 00247 80801 58157 32118 34239 13491 13261
56052 46678 92942 63889 11496 12646 52745 43880 72102 97741
82595 85191 90016 99486 29051 90402 02145 97408 39734 22511
22850 35269 68186 97932 52757 83845 81556 93684 58363 57724
38296 04648 02132 84531 28078 11870 27766 50046 91097 47851
30345 67626 58962 69721 66009 45388 84346 76280 80883 49585
51607 29819 63932 87602 85544 68658 53417 59029 00486 21354
51666 48232 56903 58499 27822 56862 17725 43054 13275 99754
21552 65162 19452 12633 14947 72362 32661 45073 11000 31160
65667 37159 66351 80871 70707 03262 93849 65706 43603 71390
53056 55997 73682 51550 85754 94529 19194 31528 88677 28914
12884 23574 40628 15920 27449 10387 26172 08730 55535 63862
23112 63036 83973 35022 45915 22921 66942 38582 62281 72464
27745 80584 21041 74333 00000

11100 00000 15384 09075 03359
40954 03306 89039 96012 89506 10686 12985 70792 37805 19784
74548 49101 32466 62104 98309 64153 66199 09370 58779 42970
21452 85506 09056 93410 24306 29892 65833 72937 07075 04066
11687 43815 03021 59080 00583 44411 21643 05686 77554 31311
77966 54533 48468 71909 74276 18585 60831 92185 57728 94922
81562 09338 02275 68129 82686 03969 88348 02455 70865 11511
78734 14922 21719 37578 14071 46587 04867 26927 76418 74135
10633 40722 94329 28983 14346 21789 87867 16101 39172 52543
76993 49725 03429 35281 01775 48145 63296 49522 27855 54776
86891 66090 35597 77671 20612 22621 16377 64690 33716 90179
24425 56498 52052 85683 57683 84575 16894 09812 66099 06447
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33144 25953 46906 89152 77553 79264 80619 47708 91274 07568
95516 63598 50320 63554 93205 10666 27879 08066 27391 79861
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43675 08635 08231 74367 41652 65235 64563 21406 97386 14875
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80805 52151 79498 20916 34330 72727 44709 46423 98105 67635
73509 32325 90149 05642 78161 57093 63622 31626 53442 21544
32260 37494 49981 09266 41224 60152 82844 23304 19284 86207
73817 91302 73302 68103 50809 56303 10927 81360 52827 95355
02453 77625 13961 33168 17778 13204 24793 42951 99397 57769
94704 51662 57366 12938 63487 91829 97172 95389 35714 67148
16465 64234 36297 24029 31553 97294 10677 46298 19646 46011
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41903 05033 21050 65321 44257 35041 35623 27555 35751 61641
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99712 96916 40417 40641 57069 49178 51678 59512 28220 08721
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49208 47642 62302 26502 19199 52234 45481 78543 35439 90077
00214 91415 53943 43845 27930 87568 38503 65192 25359 17920
54998 15036 29671 06274 87281 11736 03159 91510 41837 23136
37161 65957 33394 63382 79920 33385 68682 80464 18038 35084
70527 45417 66243 17430 09461 79126 45145 39400 35032 77660
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05598 60422 18353 57446 77089 06071 79246 83672 09504 36970
89884 77630 83397 28433 64502 73833 63114 36041 25308 79895
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07333 17078 96499 72299 95842 16793 65177 87596 38808 98686
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58675 42375 27905 63982 77846 96221 66679 03529 93685 14670
98850 82271 68158 47371 46758 57400 89631 23244 65428 31169
79996 79844 58142 72496 21421 90871 82727 92179 51163 34010
83110 00000

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27917 16769 86280 65182 66925 89376 83125 48433 28215 70505
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44040 08059 45620 49008 10111 92606 95884 20675 83724 04942
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08631 33118 97777 50771 82107 85121 29238 06982 66218 63453
22190 40238 85030 70457 73395 34511 34252 38947 93279 48743
17652 08052 53927 00558 84355 03458 59044 59832 15465 64238
46837 06821 33421 83442 61727 34520 32572 54649 55869 99951
54355 41665 06370 54067 55554 13550 59187 04951 43064 12165
35616 94005 73585 44427 62307 89821 41705 16459 10770 29406
04799 51820 57272 61462 18172 61008 99097 71407 78908 54415
88084 92817 01838 15929 67385 34986 76073 79370 22388 81278
75551 74948 81737 37982 22015 37914 29391 38327 23875 96622
87110 00000

5811/8035/10835 kHz, 14-12, 0540/0550/0600 UTC
16280/14451/12114 kHz, 14-12, 0920/0930/0940 UTC

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55027 94482 35704 16828 99012 25234 20023 73569 70076 75415
35793 29361 96941 65192 41528 40235 52032 92988 85865 06958
02150 82622 11995 40969 56900 19216 05948 49550 13321 66057
49667 44932 20132 79608 64801 07003 10053 64848 58151 54324
73624 38133 04730 03136 72974 89758 29338 19031 18956 63427
72632 91000 60111 94790 52586 82523 56882 76260 57309 39401
39510 40280 30149 59007 73075 78240 33014 50667 78094 37225
98858 41820 80120 61778 09264 09682 86791 72876 58054 43078
15753 01298 86888 64146 21896 17571 03758 64578 97353 25697
20336 36113 42686 12820 69108 99945 32692 72057 86229 64754
25293 40643 71039 68028 86914 20608 58173 80383 32815 74154
63210 77551 05789 10933 87800 09734 41688 09399 95185 23011
95198 39436 92085 12479 24303 78439 77861 11825 56880 38047
46896 49005 87866 43692 55149 22731 80420 34188 86794 79438
69528 73510 81904 95434 91493 91978 11099 93913 87739 99021
08107 51508 56360 34702 96180 74100 49874 52215 69286 46538
42600 48513 14025 85977 16097 85277 83207 53524 36114 67400
57032 03856 19478 71176 52796 77528 14360 39394 69075 65646
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59310 00000

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11100 00000 28759 09064 03029
74880 41014 47915 66825 24656 61373 63662 98033 56619 68679
76999 45529 82033 54867 00702 13691 00310 79569 20797 46994
80472 96183 20657 19209 50923 19447 12610 60204 77193 32944
69252 81282 32371 60006 71664 84988 89895 46416 16702 70325
93397 28372 50562 69325 83281 84137 20801 75897 84730 92833
63999 52901 86829 48776 71259 28385 67481 04842 98721 16911
43819 43251 15288 26929 52789 97250 04740 40112 91602 72097
64435 73608 72726 38808 67786 61136 73129 99087 82674 13867
82439 44899 63030 47034 79720 61092 55733 83193 93550 44539
90035 68089 25088 38205 41690 60051 38809 03613 88973 78865

50614 80103 02799 25058 67983 04370 38083 05518 61869 88668
18584 26416 75015 81165 32380 39340 96389 56851 80172 51592
56416 12452 43621 36579 22699 63791 65877 05246 00916 69023
61513 24478 70580 26184 98038 93410 10357 18503 16177 13591
92603 05896 81107 13922 51851 86092 81849 16332 56894 73831
20979 53099 41173 71557 61857 71781 71159 30055 25582 88673
57406 22473 54817 76741 37964 80151 86715 98967 88848 63715
02104 23039 41247 67847 43130 78326 10152 83203 16555 41081
64100 63879 24869 58796 90727 73893 92437 49661 37793 11106
78849 38055 34394 32016 96656 12011 22040 25880 75701 13591
50271 11575 41214 98107 16528 55664 97855 23132 54932 35083
36923 53225 03692 92897 08873 91327 05802 60560 28368 72745
22733 45114 04036 82676 65801 04770 10114 83204 74894 61306
42183 60706 99253 22715 24168 29605 59988 14548 58795 53406
99024 43381 38693 68963 44161 40857 60330 24900 44926 61722
07965 70123 58925 34314 99809 53384 93363 86913 13585 19803
31429 98430 33656 15303 98232 46831 86940 34901 45979 53763
59774 75775 63069 48806 12918 81056 36814 01787 36896 85281
24448 96606 14860 97446 12131 45002 85154 82588 66629 63688
20779 27846 09356 63314 67930 03929 67460 22680 10819 57930
64300 00000

11100 00000 65478 09065 03029

60222 96876 10331 06087 40092 75330 48026 71198 96387 48307
59354 04892 74241 05110 84071 47137 54431 29298 13292 95070
05528 53148 30538 52039 47849 71198 48220 53689 02676 80058
75443 50802 25153 36685 78114 53546 44326 52292 17262 66850
58737 64101 76523 71571 61032 52104 14727 31158 89998 93040
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47075 71007 55410 79091 20587 42388 42265 17320 02500 60766
53140 41126 41260 16014 50556 03917 82886 08111 58895 25038
86287 17521 85048 36764 76974 67469 98532 28652 87574 20297
82024 43950 58613 75087 88241 07736 97976 58749 64101 91488
22510 27742 28110 43771 30174 22637 11909 41710 76218 42696
01919 42974 51782 32657 42021 42914 88384 98914 83204 66576
36722 97281 91134 50265 93233 59524 47558 92340 72837 50844
06500 77944 51317 75522 91182 07340 25760 72874 42600 82546
66504 70741 55698 31975 59029 88682 64081 77726 59220 08058
59196 75256 10457 51200 54928 80099 95943 36852 33542 21319
24747 04062 33903 86391 74945 21721 67932 47201 42361 25941
76213 81833 68282 52440 58698 71863 44636 56141 41451 79812
20037 35169 65362 36469 55151 01424 07771 92768 00815 64921
72939 15901 97344 24101 12312 34347 18480 79266 60494 61536
08384 11368 97889 52791 85153 93295 75945 75273 09276 25890
65916 95594 40451 15833 17120 14801 31243 37638 35585 05399
30978 46894 19058 30125 98334 36976 09295 47141 46068 56397
47567 31340 66295 28994 44338 66453 09782 44128 99028 87651
17682 09098 30824 79310 29141 80944 06450 57652 13232 19841
75859 92928 98627 31243 51769 50846 99480 89012 93979 57915
60921 56666 84413 20417 72626 48975 03827 51664 23893 01067
46101 87256 98649 37247 31083 93006 33850 56712 01894 95235
89679 78341 17645 88109 05022 11756 77505 97728 36611 46848
37056 07624 05311 78938 02857 75386 97971 11776 16188 95081
65300 00000

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11100 00000 32654 09069 03029

62325 52556 49355 28397 57956 98047 87614 44308 13620 22021
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38080 56450 30674 25394 00713 29490 77170 74038 73094 78884
70074 10695 29450 88041 62825 59558 50791 37197 07453 10058
05627 50697 09752 86454 66700 24462 85328 21833 49704 63305
64967 78677 84909 82809 22746 83217 57633 55437 25348 65727

78499 05569 26005 23971 69417 83157 51497 51985 76222 70673
55665 01372 43913 03051 37862 67305 15427 05303 49779 16431
39883 77495 39100 98845 01243 81785 03391 11351 03307 11184
52698 04158 72009 44748 04271 48239 60928 18897 57840 05519
70955 69509 24916 69068 20067 24529 10519 65522 24127 51731
70788 36883 74666 91361 94910 43908 24568 28318 84804 58267
17604 83582 30987 35656 22752 29564 08082 87052 59243 59066
38384 90312 23260 62551 96931 09277 52240 93390 56520 12586
87709 25798 96095 09398 22594 35115 20962 44175 43935 55158
68243 17754 06957 92299 96040 26860 01419 00971 79712 39274
96185 50285 63723 46833 72968 36455 42500 63440 85147 20708
68724 60292 02648 97361 12507 55496 28773 21781 19877 00270
99956 52870 44028 28909 04363 89812 47750 64720 80262 07736
00496 99082 80142 21983 18512 85859 11473 35693 21472 18316
90065 50364 04052 80747 66975 44097 45888 92011 14870 47197
08344 83125 84809 69829 91540 76145 69378 61412 50067 56500
33098 06439 90831 55967 96061 86404 01470 88482 81731 62546
82760 05969 64834 59057 83487 66371 80290 51490 61168 31091
79113 90013 17113 33991 42229 12226 79225 89186 88125 25201
31008 29776 35306 61471 10180 94730 05455 38606 25377 06107
78262 77110 64344 03782 33855 56296 92077 29896 43751 12839
62340 80191 96298 11693 90993 64427 67517 44060 64591 43069
73286 32095 82649 32435 63826 45038 57063 95486 46395 56456
17076 60447 47148 97293 93258 34446 48092 84402 78930 04366
69300 00000

11100 00000 21547 09070 03029
11705 95945 96819 58556 74104 11394 46689 47884 04911 07650
46010 69367 10064 88796 62150 69590 46191 31509 21137 66944
21535 33411 68196 48082 46965 11923 80733 26575 98040 58283
57200 80975 74029 76431 30265 14447 64852 61449 77746 03176
61863 97231 29741 25732 73420 78086 95366 90581 31180 83953
57587 03925 98049 63910 09533 45054 13738 07684 30761 41426
38837 09822 26903 60620 83387 56239 81118 61382 30842 87807
90810 70938 93383 20689 88029 80767 59524 28089 67006 78009
19933 13130 67249 54720 82417 27519 85652 62133 12005 15708
16034 02134 57062 89229 39564 73125 47382 60893 14504 12485
75185 93533 38699 02774 94967 43001 83266 33924 03130 00071
20905 38551 83336 60970 97280 42612 28531 81206 18907 98576
75545 92380 55973 93305 13252 86680 83550 47826 50182 98730
09610 51188 52559 39504 63297 95591 88673 61959 41905 04965
40552 63111 39962 74196 68840 52218 08898 61190 41847 39756
20709 98950 64697 26899 34064 19860 69502 00159 86292 09367
52516 60902 59684 31242 69198 44407 95547 91616 23123 08165
54459 33966 09671 94103 46136 82247 00454 94428 77382 74359
79386 75763 91535 53136 66363 41271 97852 07030 89473 35464
14281 77706 91677 21370 72039 76705 82906 84744 55459 78385
73497 45033 75508 81316 49926 77750 00452 55318 78751 77971
92078 16335 49728 19635 20924 96325 94007 90318 58946 00360
38388 06207 73069 68115 81521 36908 68051 81950 03044 94830
52101 88747 41543 68794 23691 27715 02321 06570 02994 81337
80870 76027 56390 91646 13017 59591 87476 09025 87657 61677
93017 65706 83030 33811 07276 91178 12465 47105 83155 11663
90536 66791 83604 00864 55568 08488 81709 74176 09422 80891
92909 43544 60508 44590 87786 75134 80960 41666 58856 17051
13901 75793 39801 89238 91746 47511 00579 52791 51488 74360
66851 00841 57872 50566 37167 38208 70443 25966 96330 42026
70300 00000

7643/10547/13948 kHz, 12-12, 0620/0630/0640 UTC
15940/13491/11083 kHz, 10-12, 1000/1010/1020 UTC

11100 00000 14632 09076 03529
41426 43918 14628 42945 75997 11592 31289 13723 47224 54311
77331 03732 84027 11094 19891 83871 92057 40923 82565 90573
20633 01207 81474 24818 51577 60712 33672 12964 97141 57909
92616 02844 74187 40662 90373 93535 46837 48203 91251 22275
54759 21337 86543 56929 69293 51791 85073 67472 44589 06684
79230 74911 55958 89006 91179 01076 42614 20094 28932 67741
96995 54994 06973 18492 67866 66698 11117 61787 69363 60139
12306 58643 13192 01929 58999 03395 06156 76745 02885 70952
80204 06322 37562 29003 47188 91968 54914 38591 95502 66571
48831 91512 70827 66993 20996 57968 08124 62834 68398 42903
07088 02464 57279 74475 68261 62286 13192 73097 31958 10162
81856 74473 87222 18925 40506 05084 42989 90939 64413 33542
78639 79624 78269 46279 16137 18895 47127 20967 80933 96442
86569 96147 43837 31807 96815 60481 61019 45171 50428 10068
54351 27810 88333 47263 99271 50145 03822 19450 12346 68327
19225 21172 55734 15296 84958 08102 00733 87248 55616 96244
17583 61454 22798 44849 83749 06359 09368 46436 27831 69905
54826 72399 51304 57021 46475 47610 95295 32198 76081 52459
44552 08106 26711 75784 85807 58081 02007 33872 48556 16962
44175 83614 54270 78365 67059 76397 51275 85872 81205 01173
00374 32377 93317 32247 71094 76690 38250 22864 99550 23858
38669 48535 49214 95809 02044 10746 23193 61476 15002 27478
10586 37325 89736 83981 34109 94235 42147 42246 91178 31665
06406 32590 05637 05034 15646 75830 32313 17273 03443 09440
81602 10467 05781 16160 56251 18535 68209 78485 17535 66882
87844 07467 23026 29961 44934 19267 03122 82683 03662 57908
68533 06614 86861 87649 65923 36887 54367 03429 23865 60788
39646 32812 56334 03925 24427 27880 15896 64942 56006 70494
13794 84700 36912 39386 49118 60875 41621 12487 14245 43893
40019 02964 68729 75159 32278 52373 98846 53510 24850 29387
04966 40818 02269 07521 83936 42698 74429 20305 98692 25253
04046 17328 52239 53788 43980 69609 08235 64431 39111 97710
25328 04610 72448 21051 97465 03307 60171 51846 17336 57040
25276 82109 05145 42506 04532 37167 69916 91811 68421 94105
95497 91252 58750 88602 68456 89560 73636 58573 90060 26511
76350 00000

11100 00000 17269 09077 03529
54085 72410 42726 59841 58595 70592 08589 47795 10999 92952
07930 11418 09699 19365 54460 65925 39050 87988 95878 09348
61932 51871 65666 25282 52266 35272 33427 78320 90899 06868
39691 31844 73323 12050 26142 42863 02628 31488 97171 13597
66163 58147 73740 04485 19315 09959 25447 38301 24861 20307
91764 50078 21318 73557 28370 62515 18741 77770 39513 91563
45395 91825 82355 11875 93745 49117 54220 36795 39202 45028
98688 92608 30053 80351 91485 91698 72031 77864 92080 34320
55942 14233 71954 93680 01802 34430 55466 64002 17910 40870
34247 76268 98305 74427 41070 11319 07041 29549 94136 65013
22700 70625 47700 45121 41622 41826 09982 04640 63244 87573
14309 41227 06013 25857 54406 17438 27298 41558 19797 81440
45757 91988 92225 92918 89561 41819 89065 83827 18957 69592
64628 08709 96564 13005 05325 64237 03885 45147 79608 82698
27415 98887 28644 29078 62852 81583 08639 56445 10784 47322
20762 99338 62329 18860 89608 09814 98153 76458 76134 65862
49306 55806 35996 06881 93305 22202 59246 75872 83918 13205
52304 73082 38067 66921 48160 50741 28305 78128 55733 03611
54297 49414 84325 35017 91734 29528 04118 03064 42136 56118
28631 76698 31964 45064 30103 56344 34491 93565 23710 38754
12863 89196 81573 30806 07784 42101 62492 41897 18277 82520
68333 09654 48939 90840 63016 38612 22145 52348 15039 56593

78625 53880 49474 18424 14867 64550 20374 11726 30755 67758
39524 44424 85922 36638 22482 18699 88215 70168 37841 21042
62735 32101 70646 83107 74872 59918 35922 93069 05794 35992
03219 62136 03802 38140 18143 75938 60014 11764 31797 85463
81790 30754 74059 17234 62360 39355 31659 07406 70072 92174
16966 89478 05712 34525 38441 90317 01324 90278 08695 14150
58978 49440 51065 19244 52906 72608 90679 16954 43467 54514
40921 47810 76355 13839 21249 14351 65505 01484 67295 75378
83125 44484 19191 31328 05299 67756 99049 55441 86582 60863
13550 50423 62056 81988 42553 35274 00243 16304 99689 91994
55352 30923 75860 26829 92269 93612 01589 25752 82747 47476
89142 08885 96212 58775 40402 13521 33653 80076 31364 60449
77998 95928 09264 83273 59449 43242 63215 25402 59179 23541
77350 00000

7643/10547/13948 kHz, 13-12, 0620/0630/0640 UTC

15940/13491/11083 kHz, 13-12, 1000/1010/1020 UTC

11100 00000 96321 12088 01229
37820 50880 43485 02819 04982 88014 13024 56063 30110 63957
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68805 27725 89146 97596 07590 26594 43275 42435 79244 04486
42447 44979 15905 60141 45686 01881 83533 11827 61574 17351
84695 54962 55176 31541 69247 59310 52727 37702 88870 85401
42498 80298 56391 24885 95305 51268 95824 94488 53070 26610
94076 38289 58899 10496 90244 17959 27091 79087 63452 95698
76533 41248 05161 39527 75908 58336 86884 05624 74157 90269
59257 77410 14636 60043 43386 66058 56391 53896 00422 02105
51019 99307 90296 72877 48513 88014 55552 85403 30558 36233
91210 59490 94704 99275 86611 80676 37864 82756 50160 67730
12543 17554 52931 34387 54287 90741 52042 50011 03741 49657
88120 00000

11100 00000 36987 12089 01229
66999 52363 27411 47912 22355 07412 87647 42326 01892 48975
47594 66271 60564 26421 02010 08173 88611 06541 37855 42843
35181 85432 62458 16079 50019 90720 83342 87542 16674 41286
75652 11644 75629 56711 98114 61094 60822 33615 43471 22821
97980 31074 34323 20936 38205 32309 00321 46441 25254 74827
97640 98361 19946 66221 56685 65987 30137 27779 68942 06923
19701 33135 48938 00618 94943 34113 32233 82077 91906 90970
95386 85438 12979 49225 08830 52087 86268 30246 58587 83028
46159 27809 97788 40166 58503 27789 13894 26210 38876 93192
22587 97876 37333 81700 24264 92077 88114 87926 84051 69785
47725 27561 21312 07265 69824 05612 19540 89352 90385 35894
92619 84472 21530 03997 68365 06086 77501 90876 75281 90240
89120 00000

11100 00000 76348 12090 01229
51650 34578 86876 30157 47891 30258 70765 42564 02374 03093
27963 48268 02423 25719 76711 88746 81760 73451 02151 07549
22373 52399 90666 90773 00631 48779 70187 37327 82321 22853
73637 44898 96301 95930 67707 22604 41450 03886 14155 66225
06607 15602 55811 56980 08190 39803 44478 69770 75173 68701
52910 01836 36120 31897 38062 57761 87945 58966 47803 51759
51115 74189 88262 13192 40952 71829 94018 06229 09745 45427
68301 99630 39340 69533 85400 47541 88920 57320 72474 67273
27638 42506 12938 24991 06798 59038 38616 65246 51286 16967
02861 45300 74920 97946 51807 60163 49408 18804 35966 69300
81618 36607 29335 60929 78831 93684 48211 14860 06664 26012
86908 49796 69365 83424 12546 66061 67158 35080 86115 19663
90120 00000

11100 00000 85214 12091 01229
10742 56273 05466 93306 37938 93318 81847 60200 43326 04831
12181 25223 82769 11514 81881 00001 12142 56380 99262 67279
26090 92326 02114 57592 60175 86588 48767 48309 04834 84291
04559 39726 04587 98256 59649 87896 40949 17276 39126 98888
22456 50024 91321 14155 30269 46808 65304 41699 92773 66332
13456 12744 87627 79671 80088 68556 94682 28637 62037 07151
48224 80732 52156 44538 61968 47867 01671 70208 25244 61034
62304 01549 93806 18136 94137 66867 23723 47128 50122 71719
21751 51703 73195 28225 10669 31660 66925 52056 32976 95184
25635 56794 41421 05205 34933 00336 49770 27015 78588 63031
42276 69357 12699 62259 65276 36155 93076 33104 49350 31065
66791 29843 35487 82058 63820 27917 03696 78211 49721 31076
91120 00000

11100 00000 36547 12092 01229
16144 43607 35384 92266 20222 70422 62016 90471 47686 46066
12630 09320 89873 91955 92915 45310 44494 47690 31119 65917
55150 37403 53547 05876 86498 14336 51189 19025 77248 94572
92132 59166 38179 15870 59478 88356 87362 82528 19421 36082
39780 82225 49198 57747 93525 85770 79591 65919 79770 65701
31659 32763 68694 94663 52402 87108 48553 09523 79039 54575
20083 52120 86584 14212 73424 22644 98411 70071 39751 06524
64496 61162 34792 60802 37017 58226 36441 70915 98015 20756
63628 13822 18786 12718 48658 88418 55695 00394 20184 99172
12114 80794 39014 03922 21153 14076 53949 61768 28883 58393
69808 42006 82728 30642 44867 80027 54736 41506 59865 91127
54377 78265 25790 78174 10603 33795 22617 94044 27817 05191
92120 00000

7643/10547/13948 kHz, 14-12, 0620/0630/0640 UTC
15940/13491/11083 kHz, 14-12, 1000/1010/1020 UTC

11100 00000 98147 13005 01229
02612 10487 47592 18007 00595 21491 67754 42849 36657 19564
39381 69710 26618 07690 71909 93313 56755 55612 80831 99973
77965 89379 29163 43723 30101 31761 23319 94392 26167 41995
05556 68616 51069 28279 10195 79680 54602 31456 75800 67149
43362 03328 30495 92226 01272 28034 92619 09770 93407 59942
53901 52900 32818 76468 37333 91153 15009 69284 46950 48101
49801 22336 51687 89379 45238 50124 70499 17070 23224 94666
50949 31360 71594 04593 58431 45436 62300 44809 18236 64523
90391 10164 77621 65032 13484 41553 80104 34740 96413 67905
69142 59939 90738 22490 63387 70503 03810 06967 70729 78794
37063 01636 33277 73360 98246 45319 20493 53350 17262 33295
12661 14593 20301 06753 41871 23272 41974 32178 82710 38140
05120 00000

11100 00000 92317 13006 01229
41076 28910 89417 21618 70810 82073 11581 83594 83665 97028
18949 79392 37411 39453 99064 17498 03372 85375 04120 94105
13660 26104 19337 53750 58121 21683 74015 63331 48172 88827
24959 47938 89713 34271 66932 61946 32324 69451 49872 93788
86900 67487 07523 27870 28953 48382 27170 12037 29723 03378
15199 04058 82325 94413 38118 95542 15100 89619 43777 36742
09347 20777 92432 10659 63661 73699 52378 29924 72019 47450
39802 54848 07836 43348 07577 56117 31157 69706 12660 70548
61187 73214 16795 23343 81341 32928 00206 15294 68996 77795
92957 98362 67140 13651 53686 88077 40103 70620 50384 86181
80559 06877 22911 11974 59986 29677 31942 65782 39763 19625
24027 72999 85105 69091 67443 82122 49025 70735 38547 15236
06120 00000

11100 00000 96471 13007 01229
15710 17146 95405 01561 50544 57314 05389 90402 57381 43357
89076 48040 99724 17769 34765 44479 20867 13708 41015 86415
73536 40140 29965 20902 25309 46865 59859 35980 49494 16286
71594 30307 60769 78815 53213 73531 04785 98859 57069 29556
61357 28056 53852 64115 70523 72899 57951 08970 40730 73388
08401 04427 48653 39731 39945 91884 90113 44035 28467 78696
91129 13513 45234 46746 38901 22559 04316 27015 41770 30173
37489 11747 77693 59901 81093 26229 40571 68929 09209 31945
43818 03278 97435 83224 90466 86215 51745 08836 69367 36285
86706 40872 86624 62276 87598 62477 91800 31720 40585 96365
08288 60024 65444 06123 26975 16791 35305 32020 73019 96611
17515 33304 04616 50842 20314 58733 53523 27408 79482 17440
71200 00000

11100 00000 92314 13008 01229
48801 68838 84413 92579 76593 96203 35034 73535 15079 29314
64861 48261 37626 91642 49346 59406 59520 44730 96847 27067
47710 30730 30124 99969 95518 39665 91354 24342 85717 18577
56638 60140 90427 64755 70895 99329 81263 70239 39125 65901
48179 09777 34941 02319 50439 89425 12337 72072 48151 97986
31603 33042 87811 28459 35349 61337 40283 61701 35560 30327
14662 29487 97616 74516 96446 99140 32240 92990 83478 46945
31273 72087 18058 12507 08249 31993 38699 51265 29689 26962
99948 27328 48050 53827 33704 13837 72278 48507 50482 93034
36894 75179 04057 73221 55549 37823 67920 64804 69998 68815
96996 82607 30411 74258 73041 66642 67977 40738 57180 38525
45728 33192 98005 35720 98521 38582 68677 90807 98124 35051
08120 00000

11100 00000 36547 13009 01229
06884 27300 55398 83045 67320 95282 74994 32850 42566 38070
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24749 81088 15698 86536 20817 73353 70147 91882 50431 22853
59846 26685 32452 55310 45523 30112 15325 51013 93916 37390
57882 92580 35383 61616 07125 97599 45831 97142 83903 90816
26395 11731 12459 95552 79313 19670 54738 49063 03427 53034
35440 71494 57749 73271 68716 43152 66537 90315 22473 69752
64307 81402 81206 40352 04221 26783 93309 07638 78302 04514
13793 45268 22896 11525 78350 61960 07819 03135 69708 76988
32649 68220 62202 86809 78571 82208 55509 77481 89229 05100
33481 62572 79025 16682 09011 51248 92287 06158 40870 76213
61764 58337 33463 36217 39867 03613 55419 32789 01106 23881
09120 00000

0730/0740/0750 UTC repeated at 0840/0850/0900 UTC

14444 kHz, 05-12, 0750 UTC

14979/12170/9279 kHz, 05-12, 0840/0850/0900 UTC

11100 00000 96324 02016 07129
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69256 27522 14276 96087 24966 91535 75639 79199 71129 20966
43889 66079 34380 84900 19029 04579 68110 95967 67599 19361
30486 94194 10706 95813 22724 32132 18397 95682 86061 53435
71332 09150 80848 82094 75664 73010 96208 64490 42087 09655
63708 31478 64800 02546 73463 72667 62590 09661 16122 40107
64178 59004 99170 23547 55086 45669 10987 64467 15645 62133
31093 01071 14871 18493 10027 61416 44882 09490 67287 46879
06976 88661 80781 73144 85305 80460 66212 60893 69091 35064
69848 93389 09303 55537 23104 83151 20752 52052 32379 14889

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27545 72918 78885 46626 11885 81159 18327 62644 24237 95122
03754 40799 34845 71085 16828 65735 23663 67382 17068 49278
95970 16248 69819 14036 19184 01619 04018 25942 04299 60079
85662 05408 80388 47137 17963 71769 35621 36028 04072 00733
23207 41212 33363 99487 55727 83778 77172 29186 36283 40924
04958 29473 99892 46705 56800 24755 63586 36246 33195 16896
08625 50587 88060 94020 43285 44377 35912 10125 19654 63567
09131 15172 02858 85331 26265 40367 16175 37365 57314 68287
10464 38774 96908 42574 31341 29735 81349 96853 82559 82103
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20708 34909 26654 59221 66984 33963 52371 00485 38930 33054
00798 88254 09767 66243 56973 96335 66573 34123 24900 24997
86930 80831 81399 13973 22710 06720 08178 46584 39423 58845
13068 99662 84572 82494 76356 18953 83447 13901 83152 24703
85795 67364 27727 77110 11819 98953 00762 56319 70908 73970
95448 36662 51589 94380 93370 59816 06078 15385 16108 36586
77914 77319 53500 31973 46099 20080 04516 13250 84166 72251
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98729 08686 27553 92140 15490 05013 95156 76700 54505 98665
43695 57787 36957 21304 35256 39752 29201 02733 83969 93810
65126 76434 52442 83942 94390 14502 95154 27652 04974 34149
59778 46275 93481 42996 82333 84535 81646 15305 37133 04016
02454 16364 27452 80244 04332 17204 27855 58093 46854 66834
14122 45143 86373 14182 41707 47749 75041 96931 58676 79450
21639 39443 64044 96436 87670 26937 47473 39762 17137 48144
71242 88966 23444 23594 80451 56827 81881 61734 52378 79904
01098 10077 20936 84570 72017 93538 37162 33224 17644 57194
51688 80362 92175 55593 30112 93202 02868 55857 37218 16548
53100 46732 50988 86570 30064 70784 92330 23216 85513 21925
81470 55906 83031 75464 56938 62225 10228 42861 18090 24290
79317 68371 77108 32476 64519 09785 31405 91198 49705 70418
92375 06434 84741 74581 31436 59656 73959 03673 29288 97904
45194 35117 39338 94630 72807 71317 01219 61055 53239 10819
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27877 56595 80316 33773 71003 01804 09213 76576 20243 60670
12084 80198 04955 08964 01750 62424 39689 71264 59428 96819
17349 66393 61318 97951 83651 12369 19657 12719 76689 92593
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75485 86069 26043 60217 22889 21431 96036 83444 41928 14250
63783 18091 82914 98879 90001 87455 35859 67917 25432 59086
82702 27145 54336 06022 22316 14253 56844 62285 66686 73517
51087 77295 31724 03620 01051 98891 71152 20799 01094 39660
26887 04527 73058 06252 94358 17885 36921 96370 26228 19841
40910 93128 22896 11603 62039 11454 83286 84245 12985 76227
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47376 70855 30979 11665 72594 75500 60164 53328 89175 47680
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66528 91236 28986 97207 02803 13785 11587 79330 58133 09610
64595 03924 29529 62167 72354 03029 03841 13884 62891 71245
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23823 79401 55463 93849 37220 41565 77236 32772 58590 64519
16710 00000

14444 kHz, 06-12, 0750 UTC

14979/12170/9279 kHz, 06-12, 0840/0850/0900 UTC

11100 00000 23456 05031 03529

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79610 05152 16698 29486 73029 35388 28427 14996 55518 25549
82943 81835 39421 85666 46989 21598 47127 24828 26718 43639
93363 31395 12538 18042 93761 84564 80692 02273 91871 58227
56268 74961 21834 03037 67314 25251 48872 17645 44761 71152
54810 45033 47832 05336 60795 54881 19626 91809 04418 97905
02567 61907 13409 43110 68401 83027 43111 33879 42437 98578
69903 23868 26704 62534 57776 78599 51731 17069 40228 53737
11625 86688 84695 85941 62131 87311 31677 57275 86379 73718
25759 19066 57987 73828 80724 86193 56209 83218 45924 37718
12839 18345 66113 84789 95522 51886 51927 91788 57191 78656
03189 61622 06299 85519 52242 21116 77536 23746 19484 67445
07736 07254 98295 61537 46627 85152 11557 79385 57149 62058
06925 57202 85000 64585 83076 91372 02116 77476 64089 79116
53752 97794 64158 10819 63879 80619 09831 49955 78557 74687
11950 61550 51993 71405 04488 75114 04950 15691 92466 92983
10222 52054 76150 80013 84837 04379 43681 95555 93688 12830
49377 53655 94280 76327 19852 22409 77273 74029 55154 98425
82517 64242 17118 17314 95261 84229 22104 86149 52230 99319
80327 48851 12243 74777 48948 20399 71077 68864 91127 50845
25259 70529 58219 05043 14460 30160 37300 69036 97202 56848
31218 19053 39548 80584 63345 14020 21466 02843 24230 97562
90556 83973 02323 20415 17838 40858 65981 19166 35261 53245
88929 12305 59655 02225 36353 99475 32782 89261 53842 74908
32198 09241 26340 90927 32599 75945 99302 32515 22340 23423
79260 88832 04827 31654 55950 32661 39446 49993 13224 43686
01743 16787 20912 36563 67520 98625 24833 79717 50554 97660
77133 15793 48606 00433 74149 19700 77426 66624 93970 55209
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21962 87890 27686 82816 91213 81811 27308 89504 60022 65090
51894 13453 85139 19021 70584 88711 53590 37586 22605 32977
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69519 41515 68794 72276 03070 38724 24285 07804 25287 43698
31350 00000

11100 00000 35784 05032 03529

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30199 30052 24452 26827 89151 70826 43423 22496 98014 00042
75633 22308 31416 41406 67420 72000 63241 65294 50426 03579
97532 87012 51643 79325 57302 54608 51222 74585 67193 05919
86472 91500 90924 99546 25486 20897 09455 49453 58831 94499
50817 17838 82750 94665 07539 46027 72296 13830 02603 28019
67854 80837 89885 56405 23471 96366 99994 95338 90441 44614
67463 60233 34596 73441 00228 08905 10697 60163 77321 73806
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92098 32138 45869 29093 77549 04015 94676 51803 42183 71149
93051 71537 51908 33960 72450 67419 86612 88141 67669 70052
57387 54567 85102 96543 50426 42491 37503 18052 33506 25740
43682 52039 86013 36575 16586 96426 38442 06926 88197 47821
32294 11667 44685 71015 36337 93638 70239 11948 80144 75087
23050 71305 90851 85229 91839 80956 44083 58601 06404 50403
64967 83912 00596 75445 40195 08066 51184 26236 27043 25040
41034 56916 70313 04331 20035 04023 63119 38621 62227 65852
12452 15385 42551 79973 95475 42099 81665 41062 17479 79756
32269 26263 07429 64372 05366 20259 12052 21159 59906 57230
74394 01070 04247 21900 07794 94391 82860 76845 01189 01075
46743 08272 16726 62488 30945 07423 65582 84294 87671 29828
72946 05114 48385 99574 68104 90688 13350 50772 60556 58214

92055 23428 88102 60539 42961 55893 47846 84913 85980 41084
46041 45976 86175 38656 27721 77664 32067 60328 72058 53747
57015 70533 64378 91644 77104 69592 80772 19248 43969 51593
46244 09407 36000 54164 52334 11787 36364 42333 45147 36774
71277 93649 19734 71116 06979 76769 81751 29994 28816 40682
62352 75201 50914 56769 97232 54131 29840 80885 05771 39245
80708 27641 31212 72720 19168 74085 27819 45961 77704 34966
05934 68660 69696 76765 70887 07099 99666 62686 16696 96367
43151 45785 60476 56212 44649 52440 28527 65168 07069 23334
30001 72690 71113 04149 79119 53954 08051 03149 51850 37026
74294 57852 88006 57075 01245 77969 74686 17338 18817 56795
71996 61490 36095 68251 67003 87148 27564 91760 66843 55164
98329 32130 66929 74406 26794 26659 55188 66720 08203 56626
32350 00000

14444 kHz, 07-12, 0750 UTC

14979/12170/9279 kHz, 07-12, 0840/0850/0900 UTC. Not heard

11100 00000 67541 06047 03529
18215 81749 12529 97725 33919 59631 05296 11049 11569 20909
66175 34686 59828 82016 17942 60502 03047 64780 45096 62844
47103 44365 27338 34609 03539 88716 30545 10929 51693 87951
47469 41374 43498 97127 05320 96640 80653 40822 82436 20643
18838 52976 01223 63954 78667 50416 89546 59534 68078 63517
27774 26677 45819 72427 23647 14119 80748 22292 82169 18248
86617 15928 62710 37346 37032 07369 40492 47800 90271 44732
14671 13229 78667 35836 30176 62456 42211 35012 05514 97268
11095 74542 83712 15893 66860 89168 48604 63138 36855 07094
73616 43135 01666 05945 95280 55609 20239 57090 28631 41622
02361 06797 66686 49733 83184 67620 31196 58501 79499 18507
66855 16271 32426 37005 96151 84190 66221 12056 77050 93373
17892 10786 30703 52179 17283 97734 31350 64508 22355 29971
75632 45085 39320 76515 73477 42643 82327 35526 27757 06958
52385 47667 94896 60671 40213 29114 43642 61830 82708 72621
54140 68095 27704 90093 24560 38532 86728 95095 77399 33956
80428 48752 82703 01734 06364 17451 40357 56008 83848 15808
88645 89259 55534 33318 31278 76158 50413 68143 00050 55638
37939 16459 95339 02134 27950 90804 71630 21908 96074 65885
60223 35422 39320 75238 46366 31672 91514 07229 42946 05444
53311 73787 27961 13404 16425 50352 37948 09987 86790 10429
34551 48999 36345 03223 86427 61883 38099 47772 33669 48584
64207 42026 26930 41941 51703 10297 58454 31567 65610 37533
27180 58122 14093 63845 05116 13946 95346 37720 97170 10972
80926 51367 11637 01861 65169 06632 83494 65300 35434 84908
17744 91398 42820 19501 44938 28112 78064 93855 06114 74649
82302 14117 09307 32783 47381 29429 24832 52009 85403 98438
11521 29493 72212 25420 91108 50736 94468 14467 12946 81904
55051 15190 76236 49755 16425 58357 01979 70093 86701 04908
71802 10711 78052 56789 75885 99725 92177 03043 37148 15275
12511 99583 03888 17491 07853 06109 28081 08698 77112 28571
71496 32777 89856 40655 06838 49617 02342 82702 06097 45608
53725 61506 33291 66107 72134 99425 83789 80813 45297 06259
37412 17990 35397 72297 17472 28468 42865 06021 72982 65383
48780 64849 26175 90562 90571 52404 52555 43511 50706 80709
47350 00000

11100 00000 52781 06048 03529
96621 86120 22768 49241 10234 45450 33482 61722 10045 45898
14458 19163 54488 26480 70020 64451 39323 47606 85308 13700
72141 57365 26424 00699 13374 90318 03160 34357 82247 91005
55279 73818 51110 79343 48260 50936 76576 00108 89450 94809
40932 23683 00572 38049 02223 90268 07510 09470 76474 14738
33325 42901 00480 94313 05421 56790 48590 86278 12821 84306
01950 47882 74464 58606 93600 55648 04490 82970 77917 46261

85418 40492 97783 46226 85192 23002 47966 82477 78991 83914
58116 91140 61777 44696 43839 66624 62497 09627 99266 18228
95883 68554 29565 26457 12789 92320 46837 16241 34996 50556
77819 89221 85435 06521 56856 82316 49751 68686 02545 44743
30153 03739 01522 50679 77490 40704 47814 89763 12484 20865
11190 02609 72063 73170 32954 53526 41727 19822 72621 57644
59887 41719 53906 04610 05116 58461 83469 46052 02246 02581
40849 39017 08251 92710 63026 62531 63850 35356 72059 49510
21776 09975 19213 01177 87636 17041 44037 76195 34312 93783
71821 71691 75828 27296 97865 38361 11634 19688 32006 96844
77233 84975 01832 47561 62098 82408 38029 91185 80805 15896
90294 01955 08330 54240 47249 21000 15444 51861 58798 61885
65142 74691 84365 45528 56050 60937 15446 06724 23727 71390
45910 39419 35835 08975 88508 72953 42076 12226 60989 96444
64867 52379 90298 73500 41663 88755 08274 14460 54885 62142
37285 98326 10378 30845 89246 61613 50345 79105 26459 96258
11697 52570 57690 23811 65732 00492 67956 38081 00124 29367
05430 33423 29110 97675 73915 60866 42859 06429 04326 79247
31926 65204 03604 93564 47738 38353 04519 97717 85069 01075
64781 63836 97405 60041 88914 45371 81172 18257 71315 86143
89744 88848 83936 52549 63168 87464 57051 31079 84561 57980
26507 58368 99092 11182 45928 75955 56511 81139 87297 26925
63138 28933 78347 36644 54277 48430 50217 44759 22964 53809
93787 80655 66005 53500 48157 99561 33243 40242 69673 21480
90975 51942 54979 40141 35475 83022 16492 94169 17542 50941
33763 17631 64033 47580 29159 12178 07302 30176 41292 07950
58475 31503 94640 05442 85533 93963 88802 15513 82094 57312
55814 39723 37872 54659 58970 58196 46725 96484 31590 17188
48350 00000

10971/14444 kHz, 08-12, 0740/0750 UTC

14979/12170/9279 kHz, 08-12, 0840/0850/0900 UTC

File 44453 (binary contents)

10971/14444 kHz, 09-12, 0740/0750 UTC

14979/12170/9279 kHz, 09-12, 0840/0850/0900 UTC

11100 00000 74192 08060 07129
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12226 91980 08748 49946 04789 58426 24659 75561 01353 74606
26939 66786 21359 17774 77106 82561 91219 53560 46179 67202
53689 76578 86393 52769 98427 56971 32713 10345 37184 10107
20061 79946 72056 31607 27206 33717 30251 64895 83254 52123
63781 93452 97672 17818 37547 74963 99778 56871 54235 59550
98654 82048 89465 59271 99398 17830 35633 61082 36658 11855
77879 00435 11399 62476 50632 37711 41822 17124 48139 04682
64386 21148 87455 13161 45860 21841 47304 43067 92346 57322
31253 52056 66228 84978 28646 73931 46945 29134 71725 98007
96565 52652 12384 46615 16083 82150 66983 92946 03366 41514
02678 86412 48706 73396 63672 77712 28911 53402 60872 60791
85853 26626 73335 73887 00450 21243 34989 26846 97965 18846
05032 46884 45627 86193 45467 60013 28439 98088 54203 50279
14168 06044 27156 64033 43428 32441 47792 51402 05797 94865
27556 62157 87903 90306 45607 38167 04431 93906 61315 69612
47957 51943 97943 07164 18597 73745 20967 47307 19351 52222
59448 32989 28122 67684 43924 36798 82328 54664 59234 18837
37053 36401 35721 76500 82665 56703 27255 28330 32847 63845
49505 99142 18977 26216 76913 98608 51790 84387 21780 10485
36269 69293 43935 34667 50685 41218 64397 49275 25747 29264
81483 84936 84777 75997 12798 28464 30868 16964 11527 98123
91936 49748 30505 57661 59644 72269 32455 61296 83084 95011
69867 46850 03204 56860 82946 19217 38876 99240 89050 91345
60585 78248 62087 74932 12629 19451 25277 38009 69803 45052

05737 71608 39500 28117 24321 32705 45145 53517 19147 55612
51922 90322 26252 49016 20729 05290 65823 20854 01278 72159
07422 98200 00309 56441 12653 34370 85828 80373 78712 20405
13328 97742 31259 43156 84900 33265 40024 57123 77222 66187
55628 62259 99306 62837 91018 04912 65981 87762 95973 44108
98032 48194 98113 50347 84943 51475 08852 29104 71163 80187
17723 86235 51857 14624 23530 77452 89061 57319 75745 09077
84186 39322 24604 82249 67802 12885 03317 97776 92658 60274
90865 63821 40848 73377 28789 73601 81078 83797 90418 45306
36978 48130 25985 41396 52373 18093 32049 09495 64473 50218
18681 12041 20906 34773 72836 36909 01540 48609 41355 06162
31023 61630 82027 25146 92992 51555 56174 39096 81865 06668
61150 89457 53184 21249 26242 87096 58417 13365 20379 44592
75183 19714 45088 34801 68814 47205 11156 67875 46207 85962
22407 03933 87898 13449 15056 43548 69297 44385 26057 63271
07020 06158 88903 88352 91252 44404 80298 19858 90094 88463
66143 58369 36807 31371 20285 91456 35909 04098 14450 37100
49060 48713 02809 60267 46670 20162 49604 04808 36158 71337
73289 07885 02818 01151 05603 89098 24219 70270 89019 31512
44073 14226 61029 96759 16519 08564 98655 41419 56746 65741
21673 26847 58914 68441 77957 39654 67287 69012 59391 65016
11530 09694 21784 80003 42099 43344 07229 59114 26680 59332
92335 09207 93582 44303 10788 76011 33055 32483 23644 89413
92446 25238 35840 39690 26148 84538 82313 01896 86261 30056
32198 50576 64932 94551 84517 32007 24266 17248 53830 86131
74795 79889 69238 35399 88414 15156 35229 82684 56718 42130
27757 85475 30694 08504 24028 98517 02701 44208 89400 02107
16667 56162 69867 58205 17446 18816 63529 61590 75280 40183
69514 78195 46288 08052 37781 87861 54926 46061 68228 73651
09370 34318 32566 24955 85734 74266 17377 46532 42078 02469
11804 90714 48138 83012 88305 54931 41716 33209 49918 11757
47672 62284 42454 63663 20441 27744 55082 39676 96032 39105
57723 76097 64435 63674 48702 48513 98374 14067 11091 47245
99344 22150 01171 13460 46874 29100 17481 78096 61949 46263
23850 70824 20530 66497 24883 91203 78102 30699 17319 59239
91214 79187 65711 87519 46903 42637 75861 42123 35986 52258
64433 84483 31129 73892 48213 11394 55637 95730 01425 35353
53914 24323 54550 72424 99503 68582 33096 29798 01683 16469
59733 10260 96514 34021 68257 75728 33323 41458 02800 37074
92501 46005 00732 62383 95621 36153 82701 20881 93751 67023
98228 04670 44942 91545 00307 95499 16810 17112 47454 68742
75152 92410 56631 51758 44538 54130 55484 78846 51807 88201
07337 09963 88417 85287 07379 05398 52577 95196 73474 73599
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12377 17643 84047 73701 21377 38069 44452 72853 31578 05308
60710 00000

10971/14444 kHz, 10-12, 0740/0750 UTC

14979/12170/9279 kHz, 10-12, 0840/0850/0900 UTC

11100 00000 73654 09066 03529
63815 46469 35508 63493 62028 96021 38891 74433 66451 64683
04699 64703 67587 37572 96485 16885 77452 45243 94439 44006
96604 42611 08757 50151 85965 11802 12644 89218 29365 18619
43386 64015 97741 77302 44918 32863 50945 03285 50338 15918
38071 58621 27802 18381 82268 19776 38227 12793 60960 22472
78261 47595 17408 63265 06933 74154 64562 62553 79432 09420
67141 18698 36466 76430 12859 07943 22607 89820 08759 09824
32090 78551 63584 62752 05485 63025 42113 79463 25685 28785
02412 77018 86656 63986 51927 01035 33366 52821 83376 48858
96350 42091 76346 21328 69348 23109 75562 57863 03427 96122
81748 34523 16068 09443 16027 29750 38614 90469 43791 87471
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91222 02295 58798 51720 16929 13751 15750 60142 03810 04344

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14979/12170/9279 kHz, 11-12, 0840/0850/0900 UTC

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12178 18926 10453 48641 25470 79721 29747 39954 47561 74342
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27545 72918 78885 46626 11885 81159 18327 62644 24237 95122
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00798 88254 09767 66243 56973 96335 66573 34123 24900 24997
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39015 11420 40128 11465 03920 54079 14328 38063 70279 29564
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95384 78473 75555 59993 56553 32337 06762 34358 64475 74598
42160 86005 66998 63606 44076 54475 76339 08082 69271 64364
94471 87788 41053 29647 53450 48914 94923 25666 94117 91343
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80859 93956 49928 48623 93442 85037 59341 31657 18049 03206
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33118 38596 40038 84717 56524 87916 83139 58016 88447 56993
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93819 51609 43536 48974 84587 26879 94915 20375 10878 88650
93350 00000

11100 00000 35784 12094 03529
53368 43370 91319 52134 43414 70146 51981 09563 02225 27888
85987 40370 31538 07781 36748 73992 15431 89657 75666 03643
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35519 25536 26188 81635 41511 87612 44325 46924 20176 38037
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93293 23604 76475 02633 43409 27258 21367 66344 88998 44182
19903 73806 26319 61196 08890 97614 36094 45665 18883 34156
93396 13658 08714 45058 18647 03671 27873 37798 24405 29355
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91303 72461 78674 22513 83937 18939 41943 65054 86513 75578
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01054 02810 38288 59475 60767 50981 80583 45221 96293 39818
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14979/12170/9279 kHz, 14-12, 0840/0850/0900 UTC

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21359 08982 97715 76047 73854 82825 98282 08184 43831 93146
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11100 00000 13527 02017 10029

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File 44433 (binary contents)

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File 44449 (binary contents)

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15693/12170/9372 kHz, 09-12, 1040/1050/1100 UTC

14842/12155/9155 kHz, 09-12, 1120/1130/1140 UTC

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98908 55974 62705 45190 35888 76270 15318 34532 67003 19011
90511 46381 47760 40792 41656 74525 56739 57741 40474 08021
66444 43482 85627 67880 95490 33841 44993 12220 03083 42980
61000 00000

15693/12170/9372 kHz, 10-12, 1040/1050/1100 UTC

14842/12155/9155 kHz, 10-12, 1120/1130/1140 UTC

11100 00000 85214 09068 10029
64289 16242 48059 77996 59780 43479 32282 34883 01103 24683
61925 54651 24798 02881 28770 54385 82182 39127 35428 08842
30508 12033 11743 26198 80459 99032 39882 67260 60950 44079
11554 25318 87130 41448 65799 08826 42558 90351 80776 94108
11469 00032 18001 40271 22080 50031 42449 83505 86870 35330
66990 52978 50764 51035 94568 75484 83167 96299 56569 61065
74786 02175 70829 86764 25175 13077 67700 20721 31931 76546
57621 53777 17502 21007 38631 30794 54518 26186 67263 98868
75602 15914 41255 14624 78586 27962 67504 77770 63080 40626
13733 83129 59320 60729 67259 08300 35245 02747 49358 79147
92730 13722 58604 80330 88917 23679 41675 03014 43585 26206
15018 46995 18483 18903 85844 19401 79586 58378 45873 97154
78193 09491 36262 45406 11804 93508 07180 09101 50728 64888
20427 19885 41350 71347 68577 85523 21993 76933 09054 54037
12315 52765 36578 69718 62179 65133 42447 63245 70940 15659
34055 43049 13066 13184 13112 80156 31054 82093 35987 03658
81571 36745 04625 49023 45747 76705 61454 26426 39567 82466
86751 01284 85305 16349 21874 04185 29923 58256 66811 12403
21385 30993 25495 70178 78816 94808 97294 39957 17449 15875
38143 01773 14288 38375 39733 42966 25441 14892 00211 05417
91041 74787 84814 82485 88715 35255 99895 82852 21506 84734
28749 03436 51222 93383 02702 78579 13131 30281 05890 97695
72930 92058 37171 08561 11950 72644 77595 48431 51511 28814
36885 70188 52381 21218 77351 55686 50268 35594 38700 33492
13282 13842 12137 43216 32313 49643 37243 13600 80252 28329
20037 46573 01001 15660 95654 24449 14195 25237 84116 82447
46604 19193 12578 13748 26113 21893 02535 99243 99246 51291
45401 79188 58169 97665 14909 08928 88083 04399 89753 65902
70990 30492 84938 00104 06726 99510 15244 45176 37220 64643
39265 32354 84924 44561 57453 74412 41325 09758 62596 11828
66500 24080 66180 38336 85648 71107 49067 48069 93521 20090
09927 71460 02716 11124 09860 92110 96734 64250 36648 61796
73788 42172 37073 55807 92242 21262 90738 35811 53670 50573
23834 12419 84437 03511 86277 24644 01761 51878 40672 78449
75177 16967 36520 11562 19360 77390 68128 76734 79217 38336
39640 60672 93221 91940 85631 80772 45889 23456 20720 26889
45363 42910 16607 40312 87030 46943 29998 47133 89112 40502
29848 88193 11164 73094 97353 12804 91419 69268 97134 28425
63928 58034 43055 23483 41408 30881 07098 05528 74759 83111
44751 21900 25180 18153 35335 55115 09814 19551 60708 10138
06871 20319 70783 35734 31156 24349 09309 47100 15953 59550
98331 41945 62183 67423 04793 27218 40795 58735 37689 98664
59308 90011 49243 40412 28460 40499 38504 36747 89884 94319
80836 13303 90764 57476 31727 49819 16392 64418 78332 31673
16581 53838 37234 32371 86860 18396 21811 44178 90394 58061
27687 99087 31556 91751 09674 47305 17106 06957 48658 85438
65903 52047 31877 51587 53087 00938 94990 29509 99671 44806
99429 29061 43486 90546 43418 35090 52401 70657 30135 41979
65779 94227 41435 16013 75083 93739 90580 52773 79581 47349
52408 21736 78091 81346 94380 15262 82693 82478 56949 44177
65358 74824 56671 47111 73413 40905 10527 05804 74808 91723

04850 83548 19087 15414 57338 28970 25035 59195 45565 12322
30914 24309 00425 86494 68233 78638 87966 89910 45001 16685
28039 33507 49376 21600 23190 38986 09673 08954 96260 20526
71647 56925 60101 27126 79015 52615 67865 87797 68117 09152
17291 26768 12692 33284 07442 40885 79677 48160 71313 56429
81990 00958 32760 07497 39215 10073 61180 03161 82132 31545
22385 75580 62047 49404 49103 26263 50825 19638 79546 12652
42599 22454 37485 42242 93067 02533 52256 66388 57331 01960
42162 91025 12203 15509 09675 46457 73923 22994 21899 83420
47228 78345 74728 87606 66699 60114 64125 29824 16342 13099
12976 93998 38312 35759 26934 50187 66755 93128 77726 64799
47669 59897 37318 65221 30744 23363 11407 01010 44114 00927
45666 68864 87952 51831 03180 93554 07857 87823 36506 81988
33950 12431 02808 92616 96650 43539 95490 87358 55032 98953
90772 58226 98724 49647 32647 45850 09282 70358 04644 92090
91963 42248 61865 93905 13867 87295 21693 50688 09335 39111
36641 22244 38599 79877 97761 39597 10571 98074 42067 35824
05738 46706 62381 89085 60095 06696 43078 95058 96045 85144
70135 10947 11209 03148 88939 38266 61089 52839 08283 36583
96512 28369 73991 85393 41800 60493 60618 36344 24591 09462
54640 22965 93273 95895 27596 20112 82941 74339 22604 70303
15828 79183 02693 19138 47151 97625 34397 26985 92304 49378
05026 49126 96331 77802 97079 01552 31627 82149 68220 54573
34795 45609 10249 21473 18604 38842 85527 34349 19983 03691
64277 24357 69983 46751 11192 48537 96651 97496 94806 30409
96756 10642 18064 06520 37294 17427 93492 96145 72715 55525
11475 36313 88824 32235 74994 49354 09256 00682 99347 35153
25507 53672 00217 05302 36430 64933 18568 01330 08137 32387
55802 64200 90254 03169 17598 47277 49466 85074 89877 89915
06266 74114 95347 93906 85886 52874 04039 69925 19318 39360
96288 46193 55359 91019 01600 56534 69647 93631 61821 50012
81593 89735 92078 89334 15170 26313 37895 30222 64476 26385
51945 98913 50037 14224 38872 10007 76751 48871 41610 91817
29443 45637 67647 11453 66950 90282 78668 16764 00679 75556
92013 37395 68573 14794 67391 12097 40434 12241 77280 34495
15516 94813 84467 34504 98354 34972 75139 37579 63749 19382
20996 68974 46845 43084 68783 95225 19252 33820 80728 20011
37129 36235 74270 76601 72188 10626 34562 84086 61543 25929
98146 59544 37338 51628 31280 03365 22103 78289 51307 99902
00775 21380 64546 00651 05302 88085 19117 82118 72798 11806
96144 95607 63164 84003 87778 51066 47114 38109 35472 02216
00556 65168 26945 25136 66258 65908 75282 07486 68733 68920
28592 90569 93284 69644 83676 31414 65151 69838 02134 77051
89687 22227 52346 68201 39516 10012 25786 14537 99587 15931
01066 08709 06093 60562 54190 71342 40156 14545 38433 44168
62254 14421 82276 73483 98296 36773 78861 51145 13295 10352
65378 05256 33579 70881 15827 57751 03476 88221 95606 91072
87409 20593 51352 91101 53335 75525 34462 58554 98470 82243
81755 06027 03242 05160 01702 82860 24395 53173 39641 95036
68000 00000

15693/12170/9372 kHz, 11-12, 1040/1050/1100 UTC

14842/12155/9155 kHz, 11-12, 1120/1130/1140 UTC

11100 00000 96351 09073 10029

21723 02535 19840 36990 22758 11182 73715 25874 96239 81623
29656 67102 24379 04085 09659 00041 25854 56205 98189 03335
50505 45270 97078 88163 39364 77099 13725 58002 17203 87538
62286 33322 09786 97477 82543 64667 03022 77350 06135 82556
86192 32040 24827 57629 46455 42129 40544 69488 06800 22445
01802 07669 24649 83815 56271 53180 93298 08992 74137 14040
13363 78671 21939 13262 26445 08547 91598 52711 28184 83337
14303 01290 02897 98724 13942 80858 46983 47137 79780 48369
73293 08320 63061 97607 13631 30629 27219 29019 61598 13983

06392 61025 22954 30413 51925 81291 65682 43151 71552 61363
86951 10185 90933 83133 39159 83229 92250 50547 82248 38042
09534 85011 54472 97021 85424 27924 78814 30036 19040 98774
47230 44404 59645 82247 49919 99978 25816 42769 41792 10263
54766 89927 63345 15498 11552 43213 58105 38666 12817 69515
53851 60338 44782 91805 99789 73302 80156 92452 76877 02922
23664 59600 23474 04150 40869 50057 43512 71145 49995 67117
89381 20416 81412 76769 36700 33443 34494 10716 93168 69710
86518 29645 08702 86084 33317 45204 79006 23478 66339 24092
59809 46734 15836 22716 33919 48677 14846 25868 98301 54252
63660 87819 63370 85709 99478 99320 81660 74751 00911 28890
48097 32600 82043 11881 39026 13903 55740 85722 82198 35428
70862 94801 74912 35486 53112 13403 92470 85003 04170 60155
54169 86200 38821 02423 38989 19801 64761 74070 68185 26715
34764 55049 96950 35135 25894 86229 82358 68973 25468 17937
19756 98592 28432 15606 64802 19751 75861 71002 83344 71712
89249 92458 96305 30456 80297 72534 11784 37914 40872 56575
61546 53189 42828 60566 84102 36678 02383 11762 21550 03044
88727 10489 22377 03975 81565 36589 67405 26663 07264 48922
61069 18946 08305 51378 55217 77044 25725 23828 97610 56832
99234 41449 22326 94590 14692 30880 24237 48154 53637 36610
84761 94421 24560 96080 41076 44142 80591 46899 15961 59924
53313 14629 50487 88412 57368 54578 06723 42555 45551 46035
32639 94904 19084 62373 06421 67900 22755 65488 02351 32053
79596 97969 45468 47978 44818 71477 47179 13221 83651 74748
39022 99792 02817 49655 46751 93379 90285 08785 71950 70139
43033 92952 73350 72038 87469 92089 65039 66660 22229 77954
73756 02423 38011 22096 22455 95145 94167 97506 32324 06903
56702 87407 60453 03095 27393 49592 15328 98679 18714 09787
17346 29514 54244 82440 96540 09708 99251 42401 44703 60975
51139 95902 64074 24877 44446 24310 79821 93919 50087 99058
08462 22443 73508 91212 99432 03215 81471 24097 91995 20707
12125 42435 54662 16953 48069 96420 99315 30946 57103 64175
87244 97512 30322 61018 69240 16590 72277 08995 26980 28859
22866 65086 07854 58654 15652 31562 70448 10102 02298 96887
82846 27417 97798 80642 40968 55297 26203 80874 99095 60351
71510 47340 29810 99502 63429 29054 55502 46302 52694 69594
18654 11084 55608 48604 83078 15918 72522 92916 83302 10268
09927 05745 64284 38330 60832 87385 78644 93948 23157 45850
33611 24083 60771 20889 04858 66738 36923 69819 59419 34311
74697 88615 54880 78277 24228 66690 07022 96172 41327 98797
43112 66786 07228 02512 83024 24526 44134 14703 15383 08871
06251 65456 60908 49862 50997 52875 40160 75573 20077 67189
87864 52481 85101 37629 81007 94685 37455 00485 72885 02923
27081 11793 50302 19294 79881 53094 56096 08651 48422 03696
44190 02591 75620 77864 59342 66975 76112 50415 58798 78926
64979 19101 18024 24237 88532 77267 87698 51115 36829 95189
94182 41235 42614 33548 00614 83987 96382 37461 70841 64909
32231 84527 03384 04199 64212 85308 27584 06268 77850 59688
79170 06278 06530 37555 97392 24566 47430 57224 10927 64938
96702 60071 04740 17737 08570 04775 85098 53631 08036 49642
84913 19072 11905 76423 76592 69345 37785 54084 84614 00152
05761 65937 14985 63668 62440 48611 43783 80019 82045 16258
31978 80087 24243 68455 58692 40619 53401 05247 90121 97545
48960 97730 26278 48470 61602 87674 92761 80245 94910 14551
69728 82596 17205 93464 75260 33704 33237 92396 45317 68709
70442 82187 77453 67058 59426 57734 30494 19636 13376 53797
97359 61619 36087 03883 93215 81996 13293 15629 26145 45676
66974 61129 42533 89138 77355 05639 64333 75552 02256 23096
60430 20312 48497 71896 19263 22909 75043 29360 14907 66102
32573 08326 83802 68300 69160 04318 54315 00109 56759 46702
96311 00977 18171 52304 82947 56874 59198 04888 81847 24944
35648 08960 17869 16064 09899 91327 74630 71260 76697 48846

27006 92897 62885 65793 21753 16600 30737 49314 48482 34826
39597 56370 68140 08050 45512 10622 91203 24464 43531 32703
22763 94169 82374 32300 16693 88766 06149 35491 06094 62295
02805 45772 02180 14462 64017 62221 78825 82090 86183 03217
84932 69729 67213 09170 51825 55357 78817 22691 87845 32129
18966 69640 77349 72085 74211 89491 26277 22782 46561 88453
21502 72758 24593 13777 96129 46799 03487 72695 17947 16911
83682 44431 43195 39963 02829 58704 02872 57928 80722 39183
13732 21655 81926 35315 31191 24109 25746 90971 86303 54035
98263 23350 74015 05960 46101 10565 84868 07475 56621 11365
97357 49757 54227 65426 73111 32234 67476 47636 22096 57352
46674 74831 30030 36388 36647 88406 65183 92219 34378 61238
06772 70015 86192 02374 62109 91768 04185 57899 64722 15618
06565 31439 70610 85892 11624 72731 94834 84809 40001 07692
55631 21780 04931 08434 18223 21239 95176 26656 55536 94960
80319 38855 67992 09771 93101 76783 29570 86617 68508 41608
52328 91919 44271 25191 86567 07140 52491 86939 98831 87523
57060 59659 94917 45925 16565 82847 80104 22679 77376 86869
73768 27436 26596 76445 20586 63916 59554 86897 65496 73504
41549 11582 84637 58632 68507 23957 89409 71885 56261 42708
45881 81768 13125 13390 76711 51066 75460 04995 37782 88742
10919 44911 86715 61314 19044 40697 85488 74625 83926 62098
04301 61985 58598 81773 18913 39572 85853 98133 18624 15079
85175 88755 67073 60502 60476 67797 83081 85042 08314 45859
33675 69028 31291 15713 56523 44824 86313 12359 53947 35637
22407 20832 25706 88180 87758 30198 32731 60118 10701 57182
09013 48229 84291 87860 63814 68242 09212 10859 41407 22254
74635 40487 30516 14695 81790 53264 40649 02760 39868 86243
73000 00000

15693/12170/9372 kHz, 12-12, 1040/1050/1100 UTC

14842/12155/9155 kHz, 12-12, 1120/1130/1140 UTC

11100 00000 13527 09079 10029
13469 32421 02675 93861 99005 43960 55753 29031 88111 77552
72908 05200 43088 33947 16644 03709 89763 12871 13511 71835
12151 47550 70431 23174 48121 51820 54017 52962 59779 40774
37559 91788 95739 10882 45379 46109 87485 90524 49240 99028
46989 96870 96487 69759 57801 60043 74614 55225 76770 00500
41949 02217 88610 70585 79135 83558 80473 96174 41106 76720
28736 79350 14229 68298 15186 48056 08315 32819 14776 63659
38184 59296 22160 22361 74463 23979 09186 11390 68308 32727
30520 05919 79748 81457 19622 17647 64319 08086 42222 30972
97697 34419 99519 87701 42999 21423 98266 06238 90445 86301
29936 46167 24086 54841 26161 54207 95250 47433 82629 52427
07432 22237 68626 54701 42278 23901 64400 22316 81392 11292
93561 94677 03614 62665 42674 56051 62479 81714 85254 24281
73545 52932 52340 72410 66260 19734 16840 19154 80079 83764
83833 49159 09502 48840 04016 48984 27720 57952 52475 69738
43573 96778 39996 52317 71489 62131 49056 76183 19095 18791
11731 17604 22202 93147 71671 28313 81831 77106 97359 70509
82987 40674 38811 69152 99846 76684 44928 67467 17067 26081
83688 96618 21896 57210 32344 95481 46769 97551 29835 41444
67080 41331 08593 78186 83815 81447 47929 51363 45741 39153
16194 88144 90829 89927 93886 81534 11609 08981 94916 65409
74124 84817 28193 91226 45205 74312 66736 42322 07715 97721
16493 46745 68484 97076 02049 74570 88597 06394 11423 30612
90738 07132 67129 78493 23272 67353 15700 56996 85744 88002
52845 74636 45512 04755 26456 93394 00158 18873 84614 37552
65397 55500 60824 88556 93167 72832 13620 51860 49574 70610
62774 06672 07390 71362 89265 74550 32790 72840 91200 67791
71018 95083 12892 03533 60662 70548 89255 94514 31225 50744
72735 52449 63700 27809 34935 64914 18803 94464 60139 31726
62582 90785 72919 71717 44069 11228 67012 35873 04677 70342

27653 87736 24012 50623 64545 37048 31816 80916 97682 37546
40690 18839 63166 84853 79320 35632 31247 75415 30877 26902
53753 12395 06271 97667 83105 69487 06967 95171 30096 48583
57033 87873 52631 92208 09117 14082 92609 36694 54031 48641
03142 17006 88646 61133 33287 59166 21768 64016 62489 21219
22688 74136 01920 68660 42104 36069 04892 95282 60084 80701
53552 25364 40777 17512 14024 58149 98536 83981 77197 40544
05176 00564 27350 78975 93003 04667 05791 26351 33364 62069
61708 05048 95346 79223 07411 51878 14356 64865 20153 95963
25236 14388 57730 05461 39635 15398 80033 64062 72290 97908
93736 63233 45931 77591 62334 21100 29480 65539 48683 63936
89243 42963 82260 31186 57776 24278 68308 89964 50113 56991
81071 69958 82046 31862 08292 54681 70147 01734 39170 90012
18205 32511 12967 95962 19791 34692 70437 92585 31610 48914
75282 76009 97352 83931 97814 05482 26713 30480 78010 87400
59277 99448 10147 67252 67957 57819 16211 65395 81667 60784
00263 17630 31925 03498 00942 06491 53061 40896 84311 94201
90738 49019 44218 93223 98450 26272 02354 35343 26705 58070
25224 25228 34559 93298 00188 89397 78217 06018 37774 56538
56361 40878 92446 30104 16904 65643 19025 39143 54861 79297
06926 78279 56022 49141 59433 72793 66109 75341 10171 29744
90112 06355 93969 61052 51484 53664 14318 89506 65892 79276
74580 73604 09207 54404 65174 12190 84408 12783 23893 14806
17121 47051 11556 48712 34432 21632 70183 98494 06714 00563
55874 99217 57109 13699 63583 29041 68389 09735 85972 72253
41858 69478 73541 88651 87993 77816 88208 50201 53519 77814
67536 30928 14585 55375 41795 60957 90750 27905 71036 80667
59459 35419 94382 55862 75681 57533 08708 39923 26426 04759
18898 93876 74804 57566 26881 00301 73325 51629 51624 32018
51127 32698 97257 61519 04809 29552 11547 22034 47574 18436
01873 56214 96356 77457 00929 13336 01627 54347 99304 80991
49555 96048 87154 62177 91230 13551 72137 33734 78618 80419
65810 47081 11938 88457 55671 57154 28162 08923 05027 90523
85308 32764 47885 88597 22227 88285 71055 86863 98556 59696
00643 16102 44552 54978 35115 36517 75453 96498 92157 40699
50099 32829 61468 86392 78468 95176 80704 44969 07825 46895
76764 76570 42175 99490 39579 67845 74704 93576 20622 93226
37895 68198 73305 85671 01005 66984 77464 27821 69597 54544
15105 99502 66809 41559 89609 42520 01048 42004 05598 28663
49792 10936 51600 41880 14206 36279 52772 10548 24236 83062
85795 50775 98875 13531 73190 06680 91312 31567 99200 98578
73602 24881 14452 15016 40602 03376 21561 09591 37818 57151
58901 88496 42868 82576 24690 99721 55247 49854 08595 59855
74080 10541 23059 79416 68549 68435 51505 72670 70687 62289
55634 62838 45219 33767 08986 18672 16142 79105 48960 83296
54734 07891 64482 81293 58673 57410 61497 14928 76956 36006
73490 85482 60310 93870 09207 00625 41775 44717 54771 53746
77154 86773 72386 86214 00012 96522 62806 68465 70907 93639
83758 60890 25563 00558 41516 40441 51637 45092 97802 03893
48802 79585 59214 83706 51809 14973 41346 37433 21227 93242
24821 96576 31552 46708 45393 85880 11358 17529 85324 48955
15189 35931 58218 41188 31885 80549 04494 75887 59005 69342
39698 34571 98069 54505 22833 77367 50274 19831 36895 14440
17391 03942 98800 24391 37529 97842 40902 30576 10445 90231
31265 71261 92089 58993 24916 24568 63090 32327 63216 74142
00833 67939 63585 26483 09852 23743 66729 15866 90214 18492
33588 57803 48565 05804 09171 36982 81548 09989 95471 40601
86274 97137 00665 73068 77525 79905 56739 12972 16386 79413
22800 98281 79987 92727 16182 50711 27058 39335 38593 75166
38952 85064 89467 95246 40860 66885 83699 10704 32885 67020
15977 87817 85662 09817 38871 18620 80223 79806 46889 09902
96786 84393 83670 87941 82152 09613 14516 29898 50408 42384
31433 57796 96621 57720 82890 56055 28200 94302 45472 98474

43626 66875 79601 95650 13233 88902 36547 98725 41725 03901
08878 20424 17124 48917 41569 59319 75819 98562 45930 38250
38434 63053 83563 92845 96168 38693 12528 71074 52320 34234
12884 29774 48671 21554 33843 39090 31426 84087 29666 30755
36383 61451 76532 51168 98038 13693 87546 05176 12296 53608
68076 01538 07483 20569 78617 35965 03354 94279 97359 72714
62768 71921 99643 10645 65733 57116 96511 44683 60493 26790
79000 00000

15693/12170/9372 kHz, 13-12, 1040/1050/1100 UTC

14842/12155/9155 kHz, 13-12, 1120/1130/1140 UTC

File 44495 (binary contents)

15693/12170/9372 kHz, 14-12, 1040/1050/1100 UTC

14842/12155/9155 kHz, 14-12, 1120/1130/1140 UTC

File 44412 (binary contents)

1210/1220/1230 UTC

5913/7992/10687 kHz, 05-12, 1210/1220/1230 UTC

11100 09993 16548 05068 02529
90647 65410 90324 94145 53294 93114 56976 46872 08304 95280
54460 22931 08656 81594 30205 29465 15033 55359 75112 67924
44431 25254 26110 65606 21589 31257 39515 61192 00444 20666
14875 42736 47792 35153 73994 61517 06343 94786 24819 70224
79359 89975 64869 58886 04062 17249 03921 86989 05995 19829
10597 35237 51534 18924 12591 25362 40725 46679 05174 81450
07649 16726 47699 31206 20483 93273 52783 70590 98465 44662
97842 40283 87942 92332 13692 87394 64675 91142 29871 10870
54612 01970 81403 14022 90307 42531 06664 12628 45162 27375
91050 72039 12696 32953 36147 71718 23014 48746 59049 20669
13685 00348 51572 72170 97177 55466 53991 11276 92094 48772
23037 13495 10336 86532 98798 98111 17430 16961 00259 24559
08179 77239 04117 05309 64839 53125 86601 33695 89994 12104
32968 50120 31332 96008 44344 95073 40499 84050 96644 22412
33231 62196 31206 71318 42928 59834 81861 20406 84888 39662
68121 72373 73367 51728 09154 42673 58649 87580 38261 50619
76342 95445 22524 36373 26054 42377 17310 52244 21655 34324
10340 01749 80308 30034 34983 24856 42465 09755 57485 52865
39989 84645 67805 81351 54630 57861 28758 34608 34005 73221
63134 20038 57290 12429 83515 95919 67810 26744 94430 00992
14704 14086 21579 19292 70864 77469 47783 78682 19334 25733
60373 06513 25343 02486 39682 90837 36184 54219 43335 20653
76098 73513 66043 03560 28382 78277 79554 84313 21870 12966
82481 12693 64019 82700 14675 34113 87747 56248 15834 01442
04237 98772 33044 31433 78880 20318 06930 54237 72557 50946
68250 00000

1610/1620/1630 UTC repeats at 1700/1710/1720 UTC
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4755 kHz, 08-12, 1620 UTC

4757/4467/3850 kHz, 08-12, 1700/1710/1720 UTC

11100 00000 64597 07055 03029
74232 80348 51858 44820 65641 69444 10218 64213 16495 72749
69875 67911 10764 66633 70270 16074 39062 28271 92762 67917
34559 83929 45806 26339 89839 62035 74053 02168 71912 36969
21065 46481 77555 74520 00325 24431 96169 14932 54243 29004
72347 54492 05837 58162 85340 11591 32767 03810 87594 88186
18436 25993 69569 62622 59814 10817 43005 74730 36701 35469
59839 89154 72091 88826 08954 47832 38346 21051 57937 47579
88853 20641 32065 03704 19863 42349 47661 85600 92180 34429
42052 35244 67422 38621 67284 04543 38497 61343 39800 72466
59023 39507 63263 27905 01351 49391 66704 29180 97891 32032

25202 76163 45432 33547 55254 55918 77125 83838 02060 47828
31848 62119 60869 99120 75597 22683 99614 06750 54645 79373
74988 66559 85099 72179 59172 75668 08589 64395 19400 99019
68744 43788 17530 36023 88175 26205 21834 48233 50613 85058
48181 34005 17919 55130 72794 61053 36651 84125 83785 92863
13862 30422 63643 69886 66822 30446 19871 31456 76359 84117
05944 89370 98499 31794 99801 89060 14095 21162 32038 19308
21122 87502 80984 56423 99356 95774 76886 53842 02085 17955
82332 13067 54563 44065 41156 96888 63895 50330 12973 70843
70032 72901 35552 83813 92565 60589 82210 23741 53009 05027
06408 09365 77263 71722 90740 03938 07936 80425 42518 61850
81212 08242 03105 44105 47975 13944 63224 63570 43836 06917
01405 45964 37789 09154 87754 17493 14161 83774 20263 55090
67554 28471 85803 60188 15462 57337 63033 41965 58243 19521
09375 21003 41160 28117 99264 89287 98140 97761 05864 87497
81975 14354 43407 85518 10623 85342 12391 77115 84320 44014
14775 24698 53177 06228 31392 15125 39951 03026 78758 12487
47679 37560 87454 18789 06867 39776 69286 78483 41911 17282
65398 87797 61453 25853 92531 94768 02340 07998 29616 00951
81887 73032 11877 00716 38137 17094 24657 19086 62781 06528
55300 00000

11100 00000 25874 07056 03029
24495 28090 98776 50841 04740 69194 26655 16760 40703 49509
73971 98384 55575 65330 98948 45489 66564 19372 73523 84635
15822 44143 44013 41231 74513 91059 20391 04669 62224 96201
48863 09953 48880 58683 47430 34280 31375 92546 09136 31992
02100 38135 02663 56349 51545 43874 24993 41552 72177 54397
85799 43462 55774 65964 28266 62441 01396 35095 16017 96772
76203 51363 40856 00066 96277 10298 30980 41123 19663 47307
64383 89670 68794 18582 17113 76412 24509 39908 01084 00835
58830 19327 71124 85208 98705 44579 05958 98211 37892 11276
92782 96622 39167 02719 70169 58519 94068 57337 08935 06418
32336 84636 35695 43787 98244 15640 28785 53385 36026 98731
41222 30845 51558 76841 30414 51953 42506 06929 99292 97063
14115 07676 78555 81061 22832 46351 04711 62352 14946 00764
73616 29273 52438 57255 74183 87395 43222 30666 31954 96142
17971 17208 17222 28151 20711 16188 97396 49836 05374 81514
38289 46583 55492 88931 84017 40996 69226 29904 70201 77664
76914 68106 50159 72859 83326 19451 38771 52613 51810 41577
03707 27622 72526 43763 58710 78385 81950 53173 38611 49059
25825 98404 60776 73418 82764 96242 02662 81394 90693 52582
50172 59621 43293 13453 96509 64410 48670 27068 96192 10619
67404 02853 03945 84821 72192 78383 53125 56244 96250 30170
53412 83888 62682 89227 12396 43279 11984 47369 10795 21287
69884 65157 85969 52447 22712 17457 03428 95223 92451 37518
20999 71654 28714 45536 75377 18805 59777 72619 45719 25485
69898 16109 73965 52651 95085 87172 46602 60939 54514 36634
67535 93766 59768 69959 76751 89431 69113 87330 94484 20658
78964 09772 95547 85023 69759 77230 43533 94695 48403 29586
39556 38926 54492 06487 65247 17737 22486 26994 24664 70234
17033 34926 14814 45990 83621 20882 79486 92924 81752 56852
26065 60133 92816 04364 10015 39093 19875 82105 16747 91680
56300 00000

5306/4755/3874 kHz, 09-12, 1610/1620/1630 UTC

4757/4467/3850 kHz, 09-12, 1700/1710/1720 UTC

11100 00000 26317 08062 03029
53006 69678 62411 25101 19535 50950 00864 22638 57718 14968
89483 23555 27069 63965 37768 41909 05753 03193 19109 55385
10792 35709 13519 62645 03530 83442 81688 97403 78784 26713
31347 03936 61134 79395 61829 03698 56763 41920 97812 07749
34317 99282 48148 54656 33194 56276 50728 78585 22726 27099

89325 37242 60659 21564 93344 54375 24407 95061 56414 56513
13477 54490 34776 08625 46542 37324 11387 78398 01568 06019
36684 83817 72443 24934 81948 03723 40568 11961 66203 56058
84793 82047 42585 73473 78203 24806 55125 30978 45137 83386
01874 05334 76903 26812 65322 70877 29627 32954 96031 61448
52664 24340 60433 53126 21014 23989 88723 47449 70174 23439
83790 59813 56885 80183 77118 42731 94174 86682 42598 98642
34165 78141 04190 61970 97076 71254 98364 55085 69849 51087
77275 47903 22836 48287 63581 75772 18002 73827 92876 95347
07061 03443 04650 83149 42993 28967 67716 06475 53383 18754
51065 21371 48998 54362 76045 77335 66077 35706 10845 33452
65732 71837 93191 15631 38925 99575 92207 69661 90446 97143
45370 89737 00335 85016 31502 27176 86171 31168 65735 08982
14704 02893 27388 20977 36206 32399 56684 35159 40043 88366
81265 85994 54860 70634 58416 25313 41838 70235 43957 10515
54450 61941 23732 05755 63168 21517 68632 00818 68537 84870
99091 77338 51075 91283 69991 77085 31421 77913 11917 51982
39178 17749 89693 00544 13883 18216 64149 20444 86542 22607
68037 31864 15176 81539 32052 51346 72795 86613 21889 20810
11269 83469 72266 21445 49495 06424 28864 27138 59338 01878
34113 77155 47746 32680 17756 72741 58509 80635 78151 27329
42069 89344 65215 25056 66848 14568 00982 67269 70512 74288
98680 11702 74608 15675 66300 34013 11027 41125 05557 66383
33714 60581 42204 92846 14077 62297 48645 06042 43512 19256
44745 55087 91510 73414 87824 39247 92757 64970 87735 27098
62300 00000

11100 00000 98472 08063 03029
81108 04869 82741 03635 71521 81976 84022 41379 80119 40280
31707 58580 49760 55376 85295 35329 68850 84114 78138 58867
51026 56759 46977 15020 11024 50099 66258 03540 60186 58707
73181 07075 70026 06533 94396 68429 77301 66008 10312 55821
29026 76870 17922 20806 90863 81870 78121 78569 67337 21564
58419 65273 07292 55381 07010 52130 93045 01142 19119 20918
36675 10221 81583 30593 31864 20548 06581 29712 34759 54620
90460 94344 72259 54728 58617 96154 01196 72573 82322 30348
66814 55466 78479 58174 34029 96297 28219 43662 89847 39466
75281 89279 40442 59946 90124 00216 51277 57694 10686 31952
03746 34568 95745 00833 66742 45960 51826 62299 06623 44318
19566 86501 83968 56755 30494 85949 10619 63919 70163 74905
65382 72335 08563 65204 91886 97373 83754 28188 26984 99062
49670 77433 33175 37920 24005 51981 33459 42986 97147 04726
72074 09252 88083 25681 49548 66678 58202 54786 05506 87971
18964 63962 47666 27325 94339 13084 50468 07303 23982 09564
71765 96056 18052 26251 61022 42056 99641 57301 57454 58536
95741 16734 01542 74832 62665 09347 08366 96796 56903 28686
76198 43489 87302 61750 28776 52323 09554 05122 14710 69851
48883 22214 12464 70392 61912 96312 14327 69668 73620 59113
87837 25657 50328 99432 38079 43830 94668 81775 19297 28982
73460 29463 69265 50823 14427 51996 64851 15530 32709 21337
22198 60444 73092 26818 89985 14099 78897 63337 09190 88763
23467 32553 37780 97703 65193 61746 63804 14329 12010 70053
55277 15420 06298 36744 20340 75633 66143 51240 76095 05460
43871 49558 49579 49823 87809 66870 59299 89516 18211 60859
50774 12659 53271 85565 84517 48347 46184 20411 99894 79725
19169 84081 03307 78607 05406 87968 54116 28895 34824 08836
46773 30938 24669 85427 12565 04039 60796 68677 89434 29301
80624 80222 33307 99983 93684 58910 69343 71569 00710 99973
63300 00000

5306/4755/3874 kHz, 12-12, 1610/1620/1630 UTC
4757/4467/3850 kHz, 12-12, 1700/1710/1720 UTC
File 44480 (binary contents)

5306/4755/3874 kHz, 13-12, 1610/1620/1630 UTC
4757/4467/3850 kHz, 13-12, 1700/1710/1720 UTC

11100 00000 23456 12096 04129
78528 52096 60819 10271 18644 50885 12922 97005 60693 89239
76396 28647 69031 75632 02075 76700 62980 90626 87582 78293
48167 37340 98378 85117 79998 52542 92019 28485 07695 20592
56582 55192 72330 57388 99176 13859 57319 56535 45507 96454
14772 14892 36395 64685 16177 79714 32220 15927 00829 84563
61201 68398 20452 66164 72469 70268 03453 79416 79857 62361
87239 52736 07357 49179 92040 50917 72166 57896 34670 37693
66275 90045 05671 55203 22527 95553 58270 62537 76083 23839
82597 00544 57240 31637 63584 75104 76534 52263 45996 76046
88060 55978 55037 73892 41961 56157 45948 61623 62003 40956
81055 33653 09201 35138 57691 19197 17399 21776 35435 12222
11777 78501 36107 65165 46195 07989 14954 38611 20328 67371
26462 24111 62516 26266 33241 82339 89287 08098 31405 63762
77464 94421 90897 04022 09816 96905 34203 11205 80175 26690
01859 87203 68975 15791 78238 50340 25123 70243 76013 51447
15165 59670 02750 00600 25673 72968 58071 46668 29794 94783
34823 76903 53890 82490 22680 28720 05219 48334 37632 30874
46589 76445 25791 16231 28919 29396 14937 73292 17645 24003
12279 28690 73923 81053 71819 77813 76541 78641 79807 05783
95498 63809 31679 65926 53180 02171 98947 07978 34070 70223
09473 73162 28932 20005 89542 98361 24405 70818 41210 96558
73944 07685 53327 05726 11046 91225 69694 23369 90696 08656
62793 68899 69983 20582 86511 41023 63800 83285 06311 62341
36590 51181 30278 28341 16058 89142 89488 02971 39799 49372
41128 27988 70767 92515 92798 38256 42535 57702 71459 00192
20273 11190 85435 15547 88391 28323 52922 57700 00777 88468
95440 32667 54564 87633 19665 81993 73385 98446 36067 69742
11025 32183 87822 20742 11421 82536 88395 02294 85956 55814
91262 66523 93970 17239 40200 95566 37431 08064 73574 16776
05700 13166 81071 80123 31339 83815 36312 15016 42894 45317
53777 08674 25570 44191 43488 73295 25775 14601 61883 94164
60438 68702 82314 75913 17051 40608 33620 29113 55370 38651
80193 64378 46720 85637 41998 86193 11826 51775 77961 03617
43126 09966 81179 00076 22485 68147 59383 29434 70264 58373
99089 30507 86672 87323 36888 77229 71336 77917 86286 06651
32040 56742 93568 91952 18552 66955 21082 52671 42496 11374
81418 19316 69186 55418 70900 94569 92383 44615 75826 78257
27885 16333 49904 48272 86911 10443 86318 14647 15215 08598
32858 88960 08836 56807 23550 36253 42474 51004 25242 01664
71383 90283 22548 28949 92743 27511 89625 13092 77439 71971
22201 54177 08193 23769 28281 04722 84972 44640 01005 27657
96410 00000

5306/4755/3874 kHz, 14-12, 1610/1620/1630 UTC
4757/4467/3850 kHz, 14-12, 1700/1710/1720 UTC

11100 00000 78641 13013 04129
57171 79533 24936 94545 53749 21377 21805 81503 23376 52592
37707 82318 44804 00698 54059 98186 69592 26398 63912 17002
25376 83662 91092 02783 31727 42789 24268 59797 89553 81145
89414 88589 29970 71272 09077 76085 33579 21041 21901 86968
56100 45543 60845 48514 21281 75414 13531 46063 67037 31263
13150 71335 55749 18904 33383 90755 84652 25080 85755 25989
57270 18361 42874 63875 01815 84902 35981 37939 47501 53758
00256 48668 94702 91425 66317 14760 39902 70329 21351 72499

41355 40900 88297 65474 36419 61973 96552 91816 46479 69158
42607 01136 30407 85900 64060 58363 72498 06889 75458 16667
15814 08531 39376 66639 76868 66156 71201 53944 02610 82645
01043 82607 55619 58178 41198 46135 38467 55778 32641 53659
93169 42347 68933 43282 36686 09873 21029 99823 18377 06504
11384 19142 10382 32174 10832 86229 66841 78461 56638 59267
12907 17380 15191 76815 49465 68777 37759 30346 84535 01040
82748 69288 27253 44779 02905 30785 05392 24202 20894 11340
92365 35836 41696 22549 54628 29312 75256 98102 55431 69882
67828 44242 75858 87362 65443 50863 39093 41192 57947 05449
48833 56290 77038 77022 77816 09403 46756 62314 67371 70624
09837 11308 23946 29785 78392 74385 23543 62385 82343 38231
60007 14772 14039 42695 98093 13236 92511 95803 17262 26729
95792 29097 57127 37874 34737 60492 00514 01976 66783 56851
55035 98687 73098 13437 19161 06063 47536 92461 43676 51645
70850 87902 24504 20296 68597 08765 87803 23454 76167 98000
53297 59505 59391 29257 86750 19951 64133 48640 77557 21070
93344 53690 02355 65752 34983 26746 60613 65195 89252 64900
93138 75155 68598 73715 19415 26433 68892 16900 54741 54284
35247 39131 93085 56453 70896 04208 66597 34489 62577 15721
17726 98070 20862 12438 44865 36993 58857 55570 07473 90519
57726 50136 01608 68792 92468 67581 41800 05972 16378 61865
10223 49807 27649 96185 59073 17316 66527 22540 77122 71272
16484 81303 56358 97174 07820 13015 19663 85394 47150 99555
95468 48185 21209 76917 50320 26246 48405 86725 15280 64517
76569 58736 67126 61912 50331 41467 50274 24650 96563 23159
50347 77895 01329 10268 55355 15391 76763 55652 65407 91755
41354 53660 36893 87154 62011 44302 72076 99015 31417 93682
90035 40484 79043 42901 39893 50306 39319 42588 42261 43823
25351 15280 69851 59765 81649 12806 03183 82540 14303 60894
22322 44687 22022 08156 20601 39203 76509 21665 51239 96416
25573 96303 42815 05101 17440 70060 44527 82505 69697 62477
87170 23018 31293 78430 70779 80104 11049 44425 14866 61258
13410 00000

7482/5092/4043 kHz, 17-12, 1400/1410/1420 UTC

11100 00000 12548 16055 01779
59874 66252 81437 26020 78058 38222 35489 12097 11678 43090
46721 17869 64288 03305 25703 62763 40910 58395 17218 81400
43233 34759 17973 55935 50083 41727 25673 05144 81571 86082
80371 34920 70380 22231 84039 79906 88611 80189 09303 90905
03642 38608 33275 47795 61413 34993 57423 02611 20611 30321
99405 82491 86152 70244 67826 07184 15428 10057 55827 00774
95741 95619 14473 02351 16369 17437 91857 05288 83693 80052
48866 79812 52837 53978 87543 58577 74240 02320 52985 89894
78610 99304 94715 88349 48701 82882 98464 37446 51329 08609
24295 24006 28097 96967 12021 08985 68237 91359 39841 64409
12021 68902 47137 31102 58179 71267 57365 76910 73753 47706
61988 60102 29838 27492 51377 27623 11629 63921 03623 02911
76230 17105 67196 42943 56654 67701 98392 69214 35446 78800
39502 02325 36377 48144 48633 54867 07642 17856 17142 62305
94999 33884 35590 56530 28285 72341 94181 11775 69748 74920
28603 17579 97639 60584 47214 58501 23491 05709 00531 05245
66518 09876 78914 46905 33603 89493 49437 19017 78265 66437
67838 07084 37086 43897 26514 55175 00000

Link 10053

9416/7836/6785 kHz, 04-12, 1530/1540/1550 UTC
11166 10053 52369 04001 00049 00000 00000 00000 00000

9313/7828/6783 kHz, 06-12, 1650/1700/1710 UTC
11166 10053 54879 06075 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 11-12, 1530/1540/1550 UTC
11166 10053 75319 11001 00049 00000 00000 00000 00000

9313/7828/6783 kHz, 13-12, 1650/1700/1710 UTC
11166 10053 12586 13001 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 18-12, 1530/1540/1550 UTC
11166 10053 47032 18123 00049 00000 00000 00000 00000

9313/7828/6783 kHz, 20-12, 1650/1700/1710 UTC
11166 10053 78923 20001 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 25-12, 1530/1540/1550 UTC
11166 10053 85264 25001 00049 00000 00000 00000 00000

9313/7828/6783 kHz, 27-12, 1650/1700/1710 UTC
11166 10053 75319 27001 00049 00000 00000 00000 00000

Link 40023

25523/20989/18751 kHz, 14-12, 1015/1030/1045 UTC
11166 40023 56531 14001 00049 00000 00000 00000 00000

25523/20989/18751 kHz, 28-12, 1015/1030/1045 UTC
11166 40023 54879 28075 00049 00000 00000 00000 00000

Link 40122

20082/18207/16141 kHz, 01-12, 0600/0610/0620 UTC
11166 40122 96325 26031 03029
79067 28333 14724 93400 77448 61308 75088 23340 21161 17028
74930 06024 38177 51252 47521 55147 08674 98330 06971 28046
28279 56207 16992 88280 14782 88705 46096 00365 75485 31043
38904 05046 77388 09505 58250 48601 87393 11205 77779 64564
74711 64900 29721 31341 92674 18762 37522 54134 82117 26063
88036 44627 63537 74715 22948 96854 10208 21589 54117 82703
19437 17554 32553 15485 24158 34185 25669 55003 12038 28059
82542 52569 44298 03593 91836 59395 91422 60354 62098 46799
27953 35774 79098 11673 53553 79217 19910 65631 32528 18334
28417 31299 68986 03630 81937 94156 59841 42205 03639 83396
92825 56583 00448 80215 81713 29579 31137 76990 55941 21135
34275 35766 46804 68077 70718 19501 37426 02710 60354 94501
68691 51193 17763 27486 18309 97657 16490 25716 95217 24961
36629 93630 16512 68057 75380 04423 59066 40891 25297 09993
03065 22771 49889 37722 09604 15149 11274 47494 99567 04749
29574 47417 25963 93983 78733 91661 56895 84584 48453 08881
11378 25407 26922 34619 15164 60318 84036 46175 68774 37128
59802 23333 44939 63492 87590 83416 57601 20725 06954 64098
69700 71457 45670 52393 31916 22082 75721 83287 69547 25924
72884 56432 59727 38064 34614 44339 66161 57769 35926 90519
23571 19449 27950 21001 89022 18092 08843 17662 02356 80107
21760 26819 22863 15517 59558 01508 34441 12431 80931 00887
36380 59747 67650 95214 61980 09013 77611 49829 92199 11374
73370 86564 56499 90576 30851 46051 38086 37925 57919 99331
25740 40158 77505 82227 79402 76173 54967 50901 01738 43533
74380 82043 32820 00693 93433 66132 10167 35897 31636 67189
61282 98659 71504 47482 20918 54795 77430 80602 90213 50908
61908 01365 79938 99302 53817 65956 04983 19236 48438 20776
22319 95454 43898 03407 29608 39959 93728 24155 66627 67923
30220 01585 86727 23715 38275 50505 90493 17951 84421 45831
31300 00000

11166 40122 74185 26032 02979
38801 61521 30709 10759 87449 07529 88133 02699 10576 37073
89322 95396 05012 49823 85126 80687 92796 45305 94839 38312
64016 05861 64708 47239 27166 17193 14440 36930 59211 87455
76375 01981 72556 50807 57034 28577 41084 66386 75707 06213

52469 48620 59786 23091 78952 89830 01520 68657 83749 61057
05886 91696 05301 02042 84258 87442 86540 36307 73572 12117
41364 72279 85650 48354 75500 76371 16410 69943 03963 28988
35859 05397 68756 98141 04009 33144 28340 29481 73811 77669
78422 66688 41366 60845 10281 50687 09031 58109 94334 74769
24186 86027 86735 61266 81377 06760 20423 60593 36276 91601
91593 27344 04888 10796 77518 53120 46460 41806 46642 60784
53516 13231 46907 89836 97447 26548 83242 27579 03128 22884
20137 65778 50946 86983 70264 87501 29740 05583 55067 13809
89029 22356 48262 65005 64015 56633 38180 16132 71759 78082
69905 51371 02003 54524 53129 47077 51046 15089 46661 38104
72131 95887 55547 47116 40771 60395 01718 81584 58450 11718
54103 28137 43151 38955 29170 98965 80124 64821 97799 09969
31357 86734 59448 95321 27171 28537 69535 88155 88378 45057
30993 22046 52457 46691 85906 32978 02146 36183 68193 66500
19940 74810 03259 19729 16891 20145 65556 72913 09160 02584
29998 90233 40770 32840 78146 94527 75979 57573 45139 45627
09728 05360 18259 76999 69579 90172 23115 70374 07616 64577
58350 73047 05700 39819 64828 87546 42560 14987 40221 88349
96129 82457 34958 45341 79575 01786 90442 58693 34453 59247
05513 34860 29436 55210 42038 58372 38039 86524 05637 39126
93790 16124 62411 39837 46283 47015 77665 13365 66533 42853
87526 04590 75103 62290 39424 96520 91412 99272 62340 05337
27676 46486 52792 54035 75908 24139 87476 79385 61434 41254
98500 51868 61342 81679 72161 13292 11308 31981 57188 61771
49247 93429 93399 38759 69212 32295 00000

20157/18241/16204 kHz, 07-12/08-12, 0600/0610/0620 UTC

Not heard

20157/18241/16204 kHz, 14-12/15-12, 0600/0610/0620 UTC

11166 40122 94751 10033 03089
74065 08989 38633 02666 30113 70008 38945 36830 46667 95010
42991 91577 89788 41425 48539 83858 59731 63034 62073 08953
22232 10186 18607 33316 41469 38306 43009 94932 50606 04406
51263 03387 20883 56258 15114 56825 15170 43935 38520 17997
36940 08409 19375 16571 10582 26874 94904 69902 54004 19510
94201 39451 29458 47349 46327 65023 83517 55946 17411 44047
12171 44538 75199 48033 11927 65380 04475 93454 02911 82942
21799 09191 34863 47658 63007 67745 11987 63910 41890 72427
97576 56948 03512 17671 84380 68410 20587 64686 41610 35149
06369 99633 74554 31053 42473 66502 57730 76530 45083 91888
27503 45369 17970 43845 45113 23636 65769 92011 66059 00328
65949 61196 76762 94430 22901 95604 84449 48113 52605 75894
71201 40699 71297 56260 48097 03147 86570 13715 70393 37693
14368 26772 99676 72362 70281 25708 23926 05032 08607 81594
71421 16726 07596 26285 79441 58848 24330 20553 03676 44013
67663 12553 79311 95190 62670 53808 69700 32830 05037 64901
63573 04667 28822 68064 06725 87886 36046 28840 79103 18346
61526 74029 53257 26523 71408 78081 95053 84905 18822 35131
92633 96479 05103 58877 24522 79030 20029 77469 02829 24923
59481 15608 52493 41062 43998 81035 12502 98716 86637 97613
70008 47893 83598 52168 63310 75946 26028 47286 14602 15120
56461 77266 78459 28694 18332 69396 16977 30441 71972 57749
37508 17061 75575 81689 53937 18303 54513 26270 57425 94438
07495 46714 07566 35799 22955 44170 79889 44036 04155 84912
30654 99820 26397 80198 64851 46650 74816 68952 18383 45453
36165 70466 90329 79690 43052 99316 86253 15624 94047 59662
58475 47454 98114 61138 54262 82003 16791 23510 07866 42645
02556 62286 37336 97150 56840 72479 32070 39152 56088 52698
42009 77912 19333 36751 04445 16071 15709 24972 69350 20075
35342 32423 09194 12974 72061 96197 24150 44257 91362 08975
78672 16440 82057 71045 30341 73063 33306 00000

11166 40122 64587 10034 02529
57740 86099 52686 39477 17265 23046 49566 62273 11404 35448
24702 26516 90200 91072 79686 29024 56959 77512 82840 38125
61991 64662 50304 42897 67551 23141 06922 01326 07399 15861
12848 17087 89429 04937 66809 99617 14812 41105 21973 87183
12059 27853 75340 37621 09490 77442 16621 16441 94493 01020
47510 36983 33059 99986 07320 32308 47989 50835 65894 63519
79248 00628 69741 94193 74872 15301 52334 85615 85886 47999
44503 92496 63658 19607 45865 63875 83140 28682 43227 78875
40416 32966 86895 72019 98010 69669 60840 27776 76386 06705
07636 49034 15072 42078 94131 29197 51851 93595 28780 82566
93465 46106 66558 12723 76247 48440 62434 23577 40142 77246
59296 02791 64536 09912 21297 32237 39352 73748 48547 05216
69820 63638 34088 55075 38391 45325 49094 24966 72208 86535
67228 33379 89587 83119 64104 15184 23936 72398 52771 42838
48550 50909 41185 57459 50731 38730 22579 64449 28655 57572
34688 73355 09431 14836 48755 86660 11792 10799 74263 67181
01850 11152 90324 38772 15354 52045 39666 00014 44895 69837
46160 55580 15481 72752 41810 94969 96936 96604 14165 73282
26551 11804 10069 73736 40422 73809 56702 56619 36923 34236
85838 24338 20744 54785 72273 57279 00929 91199 22335 00159
41358 39428 73447 03541 87114 61172 90650 50223 15152 31034
71043 21175 82735 72415 92062 80711 72057 74386 64557 85593
54494 06691 76581 47740 22921 75088 38844 05246 65536 84215
67761 81379 79622 00151 67043 36267 48691 29878 93750 40930
31440 59828 19765 28379 35964 20696 24601 01446 77664 70704
34250 00000

20157/18241/16204 kHz, 21-12, 0600/0610/0620 UTC

11166 40122 14528 21087 00049 00000 00000 00000 00000

20157/18241/16204 kHz, 28-12/29-12, 0600/0610/0620 UTC

11166 40122 12536 24035 03289
00402 86453 95379 11003 57408 22396 94769 32043 11482 79210
21551 31725 99987 78376 31329 04159 48921 02090 71188 40314
65843 26703 90652 01551 01277 98457 64062 50275 95745 37429
54074 86166 54646 80636 70952 61400 18140 00248 07355 73325
18251 57825 53292 58006 40360 80537 20952 33092 31278 70285
34069 63432 21090 81674 61544 47890 50959 29771 99974 50778
24071 13584 34809 26369 21913 66203 34799 09899 53068 67541
59438 73522 26725 80604 84082 70643 68074 97234 72420 17056
17790 04276 51013 82351 82778 06064 65556 90003 30392 64228
23576 49593 43272 40695 53237 69593 77043 54862 32950 24162
88010 90867 71466 72368 23072 15896 43156 53313 89025 95449
08135 05550 43454 16546 71958 84265 74383 54740 64540 74656
60899 45956 43009 24930 31901 49024 48166 47371 65193 09881
69251 60915 94099 63377 96698 73659 13775 33609 67562 28760
04422 18725 33308 62135 13580 71146 04656 45431 64691 09138
53163 12676 84121 20648 74229 94062 63821 45395 41214 05296
01827 46092 05362 65948 87775 04786 21207 45255 25628 05217
02163 58786 10785 87163 35964 64436 03792 83691 14671 31169
67801 77250 58902 78952 62007 35555 41002 13325 08211 13194
36812 03021 72724 29890 60749 74111 30796 61369 63874 19077
05738 03753 99628 44260 99948 97434 86940 04141 60022 21356
25378 95861 43124 93638 42048 12439 76820 39495 74908 78115
29559 12370 22204 14267 33976 79230 12699 09320 30228 05966
76399 91107 21524 03816 20448 25109 59057 22768 39887 86998
98520 02877 17969 82953 95384 19421 95703 16151 31137 82845
15340 22896 87668 79433 67446 26814 11987 63632 96304 84546
38451 37980 43290 21394 60718 81563 32918 80325 70571 12956
31266 32820 05847 98555 31442 24951 74619 42281 45785 57164
47845 17547 09501 21188 37654 27459 25407 42505 03472 04178
04475 01834 53160 83373 81868 34045 31365 14719 13149 27964

12260 94352 80353 75481 38873 30254 62613 43426 76177 76465
51019 66621 70144 97102 12409 85576 29942 46082 31768 77245
75460 73510 87929 52279 17358 94675 35326 00000

Link 30154

1230z December frequency not found

No transmissions found on December 6th.

8078 kHz, 13-12, 1240 UTC

11166 30154 15794 13581 00049 00000 00000 00000 00000

8078/6873 kHz, 20-12, 1240/1250 UTC

11166 30154 15987 20051 00049 00000 00000 00000 00000

8078/6873 kHz, 27-12, 1240/1250 UTC

11166 30154 24683 27064 00049 00000 00000 00000 00000

Link 60070

10225/9137/8081 kHz, 06-12, 0030/0040/0050 UTC

11166 60070 85692 06001 00049 00000 00000 00000 00000

10225/9137/8081 kHz, 13-12, 0030/0040/0050 UTC

11166 60070 54213 13001 00049 00000 00000 00000 00000

10225/9137/8081 kHz, 20-12, 0030/0040/0050 UTC

Active but too weak to decode

Link 70059

7379/6774/5463 kHz, 05-12, 0500/0510/0520 UTC

11166 70059 52369 05001 00049 00000 00000 00000 00000

7379/6774/5463 kHz, 19-12, 0500/0510/0520 UTC

11166 70059 78963 19123 00049 00000 00000 00000 00000

Link 70202

11046/9065/7479 kHz, 01-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 01-12, 1200/1210/1220 UTC

11166 70202 96325 30074 01679

12946 43564 38475 67054 29801 16457 07623 44327 14375 33019

72080 40770 96948 95609 73402 87950 29366 08548 33648 73492

11351 53426 50694 11362 10659 33657 39731 43106 38031 92953

44387 87238 62855 37412 65924 78948 80496 15904 83933 67342

67223 38456 66976 62383 83665 37300 96596 48728 12752 00291

53160 08647 43048 31374 36940 21209 33455 17793 22893 29929

20178 08718 72570 96058 51930 34993 51594 79707 64288 24681

26131 15983 29155 94096 36814 78339 40243 19018 73541 46323

20550 15757 99590 19893 62720 86785 98490 47519 38279 10598

42075 60233 36633 80495 03181 28823 19805 21991 61393 86361

03821 43508 75316 83254 02697 00076 19767 66996 95967 74686

11353 03817 05678 07033 70875 84414 93789 24287 95977 80955

15937 53611 42481 47534 92462 21114 37863 81270 82680 66897

75288 86250 22816 83460 41562 09396 06976 15090 21790 14497

09112 46063 16790 95574 92838 00211 88333 49709 11246 06316

79095 57492 83800 21188 33375 25656 94293 51217 17330 44454

33317 21019 87310 37028 98494 74165 00000

11166 70202 56487 30075 01959
03800 60698 81408 82889 89053 84185 59063 42849 00304 62849
90142 15480 91709 71571 44451 01726 02622 55313 62874 61467
84668 08327 72222 81463 10200 60116 33758 11750 23016 72816
48852 87673 17313 79686 70209 79769 55791 19412 92098 38647
62869 45878 18019 27093 53915 18142 29250 56561 86468 00243
02718 70249 44366 25587 51612 39942 90706 05554 87198 68814
50615 87032 25255 17377 09724 88579 85579 94750 39305 69863
58001 82471 84017 14109 33325 82988 73175 28213 22669 10066
41494 90221 13607 63264 70246 98863 36568 53691 84769 04814
39929 73207 69249 28393 97235 24282 84731 93369 94988 52674
01301 31574 74433 50138 80338 37987 25796 19335 67838 81021
58388 18136 84676 97649 95041 25510 24799 28094 64284 96183
97261 69750 88714 96253 73044 55037 93003 36943 22599 82863
79965 48694 55047 58387 48123 62779 94984 20773 49228 92615
57815 63616 09150 31979 09559 77738 60584 12296 22073 71030
61018 86207 59614 45027 94382 29592 57694 32922 79833 79223
80148 28679 36104 48276 65376 61962 74857 86835 97668 98536
21480 79623 64575 70856 86755 98116 86246 68514 37858 49244
27681 43237 42090 87861 29824 08124 81823 85172 20450 35812
64058 70302 90766 75193 00000

11046/9065/7479 kHz, 02-12, 0700/0710/0720 UTC

11166 70202 65214 01046 00049 00000 00000 00000 00000

No transmissions on 3-15 December

11046/9065/7479 kHz, 16-12, 0700/0710/0720 UTC

11100 70202 13456 16077 00049 00000 00000 00000 00000

11046/9065/7479 kHz, 19-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 19-12, 1200/1210/1220 UTC

11166 70202 42167 16076 02399
71523 36429 46686 22634 30788 64143 71410 23034 46655 62733
10138 93114 17074 03847 05650 44513 63865 89838 10904 22949
95297 35354 40712 85370 85540 33394 45784 88913 13215 16774
63818 65111 26200 50950 27333 77802 24909 19112 32923 88159
81200 85511 01631 75291 35129 47947 85113 85847 36705 15344
97308 11059 24876 71370 76258 14663 60886 10028 05820 60146
58236 54152 51903 10735 76392 92760 92966 00584 70471 98182
49422 00584 14056 08918 41669 27251 37350 89146 31415 68105
47854 00850 25994 21999 25738 49451 50355 77818 11123 88942
16422 80011 25430 97410 44491 54356 94013 58920 16378 92429
62238 12674 64988 18205 22209 55399 29998 85211 92328 07900
34336 77700 16879 81693 61157 14254 77804 06696 35989 77269
35894 05869 43741 16761 43543 27789 35269 01919 96286 73049
03170 18856 15286 75460 31513 37982 77963 23968 49172 99452
38967 36226 41471 90108 08660 19778 99807 10371 81305 81761
13956 54505 30160 73099 36739 52705 11637 78084 75738 48431
45750 85329 91758 09440 65002 00987 08701 95939 48933 90198
64562 34318 86483 57708 58229 69868 33391 03567 71766 96957
56787 14873 72868 90080 84190 79487 27190 84219 99082 32663
75215 77963 50250 72508 53372 57822 67088 05254 64069 67163
98046 06225 24347 68214 14406 07489 47831 70580 46577 48087
39669 24686 45106 47812 09150 03613 83570 90452 29683 21740
45566 27448 00825 63647 62951 37893 92050 21706 97556 05829
72947 65799 83542 00748 59522 93609 72574 76237 00000

11046/9065/7479 kHz, 20-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 20-12, 1200/1210/1220 UTC

11166 70202 97325 19077 02039
54041 96587 43367 00656 94783 82597 26201 85268 02791 10909
27014 74978 26337 37522 73935 26028 99646 73580 97751 42721

71065 69955 73602 79632 82881 60140 54174 01349 38755 41122
92843 91902 19678 96940 80186 31119 34409 94599 42322 80026
15313 07041 74491 42547 95557 42844 08344 95645 28585 87362
36337 05113 35813 84964 41721 69193 93493 17082 07507 57223
94669 55743 02893 35479 47168 97281 70560 97422 93563 05911
63289 40523 64051 21847 03329 56854 98173 13672 62952 29645
96323 79618 89653 52973 86978 27475 24397 16797 20588 87784
86381 24502 26062 40037 22736 35154 90796 56534 46605 47648
50165 93618 12042 68943 97429 84954 99156 33560 49990 16545
07964 66537 32928 88177 84347 07040 65761 90979 26600 34785
63372 55780 45962 66503 87022 51951 79607 14597 06410 41434
79501 25194 58694 17623 25577 37786 15436 83800 36671 33639
93380 50816 77644 65151 70027 58681 86130 83365 89922 51786
67358 05810 72614 62415 30475 91856 58200 82245 64803 17790
51417 26530 79489 68766 50193 20636 54958 89860 69621 63638
79629 63377 97276 48651 70320 04623 40811 44584 99774 93315
53785 69012 79768 82839 50646 06847 73209 54505 46812 54491
33682 09027 84791 94182 95873 12388 32266 28183 65309 38289
63098 77201 00000

11166 70202 16487 19078 01779
54637 75803 12453 95204 58669 10399 95379 48569 63973 53432
13730 59249 27144 93815 16714 71603 36553 81293 67489 48577
17642 71657 62964 39418 15262 57210 79850 78744 32756 80914
39192 77898 32468 57678 06524 94515 27357 51206 69872 91260
18423 79850 62770 19662 57613 49906 24482 89974 40908 39785
14617 13023 61269 83503 24335 24947 76135 26931 51312 30804
69163 55222 30669 27949 10891 14879 39040 95137 48008 78886
13980 58296 75939 28345 55880 68883 74406 49043 04608 55783
10670 66418 08021 36684 40131 67323 24577 99853 58991 82051
27213 92270 88642 25059 00675 75038 96486 17803 49492 32019
82867 42157 58793 42633 88806 97828 75128 54751 04221 62210
99512 18625 81322 76123 09847 67789 82876 03866 54938 57874
20018 41017 87278 99265 59294 68442 26785 44547 03646 75911
72681 16672 76991 03800 05717 88788 67119 76277 47895 51667
06566 24453 71926 29660 96164 22891 77553 31132 00970 87942
76978 44310 73218 11334 56545 14471 82036 27448 06889 63414
54574 37727 38724 37169 58247 40656 26466 92845 78785 40730
46873 60597 73761 34881 04895 78175 00000

11046/9065/7479 kHz, 21-12, 0700/0710/0720 UTC
9178/7624/5789 kHz, 21-12, 1200/1210/1220 UTC

11166 70202 32157 20079 02539
21451 86089 36722 14610 90308 38222 40410 67230 19520 90877
17059 19189 32156 64660 70935 73045 22149 09877 31768 43433
67619 16905 25345 03803 33356 72363 73119 78190 98402 40773
19252 70189 69668 76390 08537 46321 67522 94906 63638 15982
94294 59694 35089 75161 21617 62295 22470 06126 57562 01834
90231 50231 79495 93045 26566 96081 43592 57598 18799 50196
06949 78412 43712 82398 23232 21649 96247 63079 97798 56064
05032 34561 13231 24419 08147 83719 61207 46613 87601 08068
41675 59264 85922 92485 15229 21383 53318 38773 19664 40860
98846 15236 86614 01436 44018 18467 19239 94848 02284 64529
16868 87845 32839 51716 57567 78740 42178 62085 74549 23219
31844 93946 87366 34059 15801 42496 73831 84472 55883 70781
93589 69742 88738 38188 99301 06853 42716 78627 96349 76789
68136 45630 37021 39211 29373 66507 60103 74160 32191 72796
11824 30527 84775 99149 09078 85923 15891 67879 30875 47683
98604 01324 48952 49654 53013 29246 33475 24484 26416 83424
94786 56082 74360 96651 47115 41936 91007 48307 05203 19993
62253 23702 49777 39766 40036 79379 22811 82374 61278 31561
38498 59195 59887 09929 20895 43814 45272 43915 04162 16966
45789 73714 56334 29149 40572 03179 12566 10610 28180 36801

28790 83364 05500 67964 91718 54976 55329 10648 46134 98741
66109 91782 25397 50004 32200 46436 96123 73256 08179 83012
52950 79743 15569 10667 24339 00228 25450 46107 75354 42630
65390 41987 18354 89214 24123 04056 67517 13011 52420 89279
98173 18168 83595 02096 96835 33915 22074 31001 12909 16826
73459 79251 00000

11046/9065/7479 kHz, 22-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 22-12, 1200/1210/1220 UTC

11166 70202 93254 21080 01959
06551 19122 77000 28847 61987 30461 77817 20248 89066 83718
70817 05815 54807 77242 39020 32073 23940 70218 30969 79797
65647 10082 66532 36784 36164 39325 39683 55484 85714 23879
29182 50191 63187 70277 53117 13469 17012 23766 28222 56494
15660 64563 19916 03031 36208 44449 94013 91682 94420 30877
06017 66155 14752 50789 88956 58180 63745 51332 25700 92807
95239 19645 16667 70747 80833 28925 78899 07455 24037 02950
37408 33630 81555 16239 94752 86842 40139 72054 89769 48952
22438 25412 81407 09015 20294 43311 18595 56371 78914 19346
82076 33590 80364 84909 09167 03973 99809 84162 37343 13284
32951 04961 27632 50419 18089 82922 53712 36681 01255 20837
67681 98350 17844 90580 78418 02261 89193 09754 03483 59030
57537 10198 80481 23670 07775 40608 48856 48242 49498 70403
38007 66246 57708 87063 22708 13444 95659 04105 31744 14790
68272 21888 20707 92162 79551 08450 44889 72590 92436 92536
93215 01643 14545 86035 69143 91697 58221 77987 29472 59745
48344 67370 17010 34445 76322 26834 48014 37095 23726 14587
40359 66225 03975 76612 93363 40483 95536 06400 55222 79512
65067 54391 38956 27509 03928 04316 72854 49134 26515 58609
96315 52484 03854 80193 00000

11166 70202 19574 21081 01779
49312 98449 34915 68119 98538 47530 76612 65823 71699 29404
30686 81476 85289 18411 03177 92047 32915 01412 97503 35203
80825 74168 90110 56328 46733 54229 88642 68135 41634 08759
64824 83811 79297 20736 79234 09643 83119 41979 40161 08044
45028 06422 63729 66934 16127 02077 27481 36407 33764 25135
34604 18610 14715 64621 30994 21797 69165 91068 42327 14469
15181 47619 23353 40553 98358 67010 36567 81560 46332 62882
02482 76639 12837 68827 88651 36493 91009 23644 29666 12071
00611 26210 95282 03987 78865 08427 48890 23596 29601 99666
63496 41675 10379 81161 87417 85625 62292 53766 76870 71164
12137 67550 37632 79412 01628 86626 42989 15338 23353 87688
20122 08482 68160 15660 22154 41907 13644 44927 28015 20308
08449 19562 37340 13219 32050 70993 52564 34250 34711 36558
65415 42310 87309 27359 89987 75724 95712 18892 09592 55212
59385 62851 29549 16641 78928 43570 53143 59507 42233 27528
22897 22077 43929 79354 94366 19127 17828 42788 34650 03212
87036 10001 62785 35415 61438 27744 74232 76502 37220 13754
16620 34426 78146 81835 08960 81175 00000

11046/9065/7479 kHz, 23-12, 0700/0710/0720 UTC

11166 70202 62147 22095 00049 00000 00000 00000 00000

11046/9065/7479 kHz, 26-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 26-12, 1200/1210/1220 UTC

11166 70202 69851 23082 02599
38637 06673 85207 96472 04663 24477 40641 45836 13143 78616
87120 42594 45984 24298 04076 75866 83616 12877 69254 14240
43276 76981 53094 21417 75963 09096 80396 08281 45544 50787
45204 51079 38408 34766 89850 30407 77137 46963 84108 70680
36613 00819 65362 84778 85999 40959 25765 53559 05048 18462
57299 94918 48153 04886 90686 02089 54601 37261 89084 55868

28446 11225 82499 40452 36452 64481 53872 17580 97542 17793
12746 38659 62187 65668 17481 99569 05168 33951 31937 67829
80166 46487 27568 36812 09596 68064 66860 86706 08139 15806
29065 56891 63394 56213 64136 59437 22113 30035 85853 88398
55417 72158 40018 04596 01474 18709 08699 00580 09044 18544
36447 75451 30346 91325 89422 74235 36676 99366 83362 71496
55216 25432 41341 03869 50476 73681 67250 81218 98796 35955
45939 31084 29361 90564 05951 56124 30144 25797 05800 09232
42243 05322 29713 16013 91024 17663 03790 99315 27525 76955
68499 85499 78536 67150 68479 97129 28838 46868 45539 61786
83970 57084 45834 91667 87037 98828 77134 13691 87931 73103
77132 54762 88445 00181 78715 11915 11703 60496 83155 61990
69337 24304 77143 90568 24866 62288 54609 44817 76690 54326
29265 39949 09167 38574 48808 73996 85174 68082 46721 30555
78633 67108 92606 74218 70391 04329 26996 68367 55940 25136
91571 70011 38370 10199 90725 81370 05030 52483 45420 62883
11307 69919 25252 37324 19978 95892 69694 39726 69559 14768
34424 92788 70107 34606 23693 12463 49887 14287 94659 73397
01363 87203 44650 88943 99944 48739 17244 85382 93920 99686
88165 75097 89023 62825 16885 58343 76059 82257 00000

11046/9065/7479 kHz, 27-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 27-12, 1200/1210/1220 UTC

11166 70202 24685 26083 01739
62266 50002 45024 47574 51168 16543 71389 65184 55531 56929
51218 79101 25456 40575 01183 95715 83006 03369 03537 15331
49895 29823 35599 73345 22133 70080 73557 53015 02590 46482
44023 36983 27408 29360 21780 89769 47195 86766 97160 88407
48942 37811 61492 43404 29601 64300 84037 77230 57260 60366
78889 52511 80857 24770 85235 67111 74360 25566 09441 58304
26360 91823 02389 83210 11015 12078 70506 67696 01273 44216
43925 40908 10326 66469 50203 97646 72212 24210 67056 55758
97531 52235 52525 00735 65177 77225 76023 34704 36059 30068
98706 72007 99724 22733 76586 48539 89831 69381 84843 37055
29405 56408 86766 85614 91818 91086 95757 21357 88436 83525
03841 86802 18847 41610 75114 00858 44638 83611 27580 61709
72647 98173 51791 33810 58609 06338 39748 86129 67167 05314
22494 73859 49157 98672 39834 80766 22121 42655 90622 64377
64978 63279 37053 71183 62795 23937 61391 14049 62588 48165
98585 29021 26103 27283 93194 53711 90500 67576 54068 94456
72891 56725 05222 74434 79657 54152 56337 79915 06492 34983
41329 83171 00000

11166 70202 64513 26084 02079
61493 64710 23734 28489 00194 22021 90950 75993 35345 88538
90536 74832 63682 48896 25419 13455 71475 29533 78257 32464
73339 36503 19241 57400 44892 62527 60091 62475 10204 67966
77691 82460 69961 65413 55773 14902 81298 62577 18118 79851
25218 43165 51692 29314 22557 90435 43171 23582 84415 83111
77263 16651 08006 18353 70307 17914 53835 41458 37542 22303
65192 86998 17523 26079 15837 61062 02090 70454 96866 19299
45351 80233 78667 20457 50097 89663 08910 60088 55102 72672
32511 14125 71742 19701 44511 47001 43358 28290 11797 64018
25818 99636 24605 12628 12709 58289 63756 62336 53590 37174
94542 17907 38752 95144 23219 45547 48920 59235 77024 16778
93330 08812 93677 99659 84630 43800 31284 52076 24025 04190
34586 96749 95121 32990 18510 82685 89897 99831 54916 62731
15241 27403 73532 41933 53484 87902 12963 76382 75395 61701
82749 27239 29034 75395 22397 99615 52926 61446 68308 21016
87003 06589 64573 39004 79718 81188 78533 42813 14801 66757
07081 38552 06073 23794 84605 32723 33774 67137 28551 03723
20821 41041 83494 66021 72454 11131 49711 56706 27693 15450
07138 99070 96050 41771 70690 22948 77936 23370 37867 46466

92189 70433 14571 48918 59180 79314 30094 89434 12909 86793
77196 51139 40554 61551 38232 84205 00000

11046/9065/7479 kHz, 28-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 28-12, 1200/1210/1220 UTC

11166 70202 79465 27085 02739
20666 84389 75488 25431 32684 08035 62164 54487 23427 24495
35458 62150 98872 43140 14558 81062 80702 39725 90025 97988
47547 06404 92635 91777 93529 88179 94347 31965 90023 35459
89838 80202 61579 27407 32051 61716 11940 45801 20168 98966
61094 04046 63480 24703 79310 61062 69557 16601 29065 74725
30186 20672 50834 74534 03488 55622 53660 58217 15670 15368
96444 41941 30851 11869 70903 18829 62373 25494 22117 05463
24074 55086 67610 81057 44922 84922 00921 49009 95481 10762
90559 75482 99618 92155 10330 84744 29913 23216 61929 15919
10183 39035 75770 70858 73591 99930 00972 07813 49745 20708
20430 60590 79241 37141 51946 87891 79089 26832 21310 82505
07453 26669 18299 95060 01143 14039 71530 52012 84302 44009
03090 72553 71720 59645 48888 14143 15216 17665 55675 01330
66517 96613 90656 17571 55091 79737 24637 64721 04348 29764
74643 19888 34660 97754 16958 44336 26641 33233 06494 24128
43108 87764 63459 47200 33182 29186 13246 46537 66942 08665
90473 64160 74102 47778 43136 15599 85107 37795 97778 59532
98126 68364 71652 02308 20352 27769 42774 91996 57057 41962
13840 81695 46846 44558 30914 66750 66526 94960 42854 25598
54052 86833 12384 18902 22978 14082 14770 26684 66836 86547
85032 28123 76916 12592 99628 53727 21840 90770 03549 64546
62400 77763 18752 38129 00094 24778 94896 65909 82776 99583
88288 91693 15888 36386 79988 45962 52680 80717 69022 55648
61887 21536 01619 34105 96273 27718 22429 80920 10500 31132
58644 46296 01739 23486 72976 39658 71491 59126 46409 87194
32019 80983 76683 68006 05856 11853 03431 83559 91812 78191
95920 40126 95931 58620 64324 48900 50814 74325 80468 73475
71767 85271 00000

11046/9065/7479 kHz, 29-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 29-12, 1200/1210/1220 UTC

11166 70202 95137 28086 01619
23107 26069 91098 13748 71570 93831 47272 32112 04281 28918
15825 17723 32805 05058 19871 33494 83413 87069 25862 98478
60327 15866 12357 50459 52431 10739 25211 40665 00619 74876
48887 09064 67985 15029 48565 13651 80025 11282 62732 12180
27046 97859 50962 19773 45970 40902 26546 90854 23728 24152
28681 98825 89409 78490 13894 11938 87383 16255 71391 88799
48550 56284 92023 41939 01938 50622 45549 42880 93806 48814
45888 67152 06471 60746 09050 02686 94009 03955 33422 70018
77058 46339 57120 27760 63874 80233 72061 61745 89854 88756
99475 81315 92703 90382 56520 71172 65428 72680 68709 72225
54354 51142 07813 89890 94350 14052 59947 53264 98445 39320
53523 73609 44029 94243 01744 75603 22820 54092 39338 99770
46794 00498 58230 99548 27256 85557 71810 81417 69237 72599
62514 61536 48426 89544 92388 37316 62792 55808 81328 97375
76111 68666 82687 18315 95574 60040 10927 21736 50659 59623
01014 89965 65467 25295 04235 63895 41696 26757 50136 86159
00000

11166 70202 25847 28087 02119
87448 94597 18453 52120 86695 87070 33010 40854 84996 26234
39669 91158 35524 43742 00681 09187 18544 63358 22051 35879
68312 79200 63491 90479 59451 31337 35196 48147 63724 33451
54862 18830 13170 32225 63409 19596 30511 03169 22821 57614
12794 12543 44563 65961 79183 00100 21992 59450 18861 62298
65219 02667 99949 40707 61840 07403 25417 45259 11994 01662

46889 67070 11164 37449 72310 60479 79176 29505 28385 99033
58832 42190 63751 35069 32593 66702 03803 17606 30785 55810
93118 48221 29730 08294 86421 79606 63268 20285 74010 86481
96092 45684 52609 63565 32332 32847 77551 30276 57832 29735
57259 46870 39566 74697 75944 71681 30604 15099 55464 14169
54097 20959 92280 63449 64690 85802 30449 97009 10830 31897
56587 99278 46367 62085 27748 44750 64937 25374 68139 25344
55516 88486 95636 26697 02608 30562 64009 83060 79500 03178
31812 65507 08030 22903 93872 83116 83273 88550 36318 01841
86639 40323 01065 10739 35753 03052 70730 90251 44613 80689
09883 62222 92431 94273 23584 26341 24606 80523 19144 12701
34251 93281 82050 05156 97746 74959 01985 15170 62713 90206
09875 10835 11879 38959 11922 30760 51251 91080 31544 37508
96052 09770 95152 90264 52844 55920 22728 41446 21271 90635
09110 86907 63886 18063 06952 24459 17474 35759 47269 87209
00000

11046/9065/7479 kHz, 30-12, 0700/0710/0720 UTC

11166 70202 45821 30063 00049 00000 00000 00000 00000

F06a – FSK 200/1000

5185/4835/3796 kHz, 01-12/02-12, 0500/0515/0530 UTC	File 44456 (binary contents)
5185/4835/3796 kHz, 08-12/09-12, 0500/0515/0530 UTC	File 44457 (binary contents)
5185/4835/3796 kHz, 15-12/16-12, 0500/0515/0530 UTC	File 44458 (binary contents)
5185/4835/3796 kHz, 22-12/23-12, 0500/0515/0530 UTC	File 44459 (binary contents)
5185/4835/3796 kHz, 29-12/30-12, 0500/0515/0530 UTC	Files 44460 and 44461 (binary contents)
12087/9963/7899 kHz, 03-12/04-12, 1500/1515/1530 UTC	File 04448 (binary contents)
12087/9963/7899 kHz, 10-12/11-12, 1500/1515/1530 UTC	File 04449 (binary contents)
12087/9963/7899 kHz, 17-12/18-12, 1500/1515/1530 UTC	File 04450 (binary contents)
12087/9963/7899 kHz, 24-12/25-12, 1500/1515/1530 UTC	File 04451 (binary contents)
12087/9963/7899 kHz, 31-12, 1500/1515/1530 UTC	File 04452 (binary contents)
14840/13859/12079 kHz, 01-12, 0700/0715/0730 UTC	File 44412 (binary contents)

X06 - Mazielka

10550 kHz, 07-12, 1224 UTC, X06b 116111 Test

F02

Mode: MFSK-4/150Bd/4000Hz

16340 kHz, 04-12, 0923 UTC	15626 kHz, 16-12, 0830 UTC. QSX 16166 kHz
12173 kHz, 05-12, 0830 UTC. QSX 13856 kHz	16166 kHz, 16-12, 0830 UTC. QSX 15626 kHz
13856 kHz, 05-12, 0830 UTC. QSX 12173 kHz	12173 kHz, 19-12, 0830 UTC. QSX 13856 kHz
16083 kHz, 05-12, 0900 UTC	13856 kHz, 19-12, 0836 UTC. QSX 12173 kHz
15626 kHz, 06-12, 0830 UTC. QSX 16166 kHz	16083 kHz, 19-12, 0844 UTC. Test
16166 kHz, 06-12, 0830 UTC. QSX 15626 kHz	16083 kHz, 19-12, 0900 UTC
18446 kHz, 06-12, 0900 UTC	17510 kHz, 19-12, 1035 UTC
20416 kHz, 06-12, 1026 UTC	15626 kHz, 20-12, 0830 UTC. QSX 16166 kHz
18474 kHz, 06-12, 1039 UTC	16166 kHz, 20-12, 0830 UTC. QSX 15626 kHz
16281 kHz, 08-12, 1008 UTC	15626 kHz, 23-12, 0830 UTC. QSX 16166 kHz
16281 kHz, 08-12, 1020 UTC	16166 kHz, 23-12, 0830 UTC. QSX 15626 kHz
15626 kHz, 09-12, 0830 UTC. QSX 16166 kHz	12173 kHz, 26-12, 0830 UTC. QSX 13856 kHz
16166 kHz, 09-12, 0830 UTC. QSX 15626 kHz	13856 kHz, 26-12, 0836 UTC. QSX 12173 kHz
12173 kHz, 12-12, 0830 UTC. QSX 13856 kHz	16083 kHz, 26-12, 0900 UTC
13856 kHz, 12-12, 0830 UTC. QSX 12173 kHz	15626 kHz, 27-12, 0830 UTC. QSX 16166 kHz
16083 kHz, 12-12, 0900 UTC	16166 kHz, 27-12, 0830 UTC. QSX 15626 kHz
15626 kHz, 13-12, 0830 UTC. QSX 16166 kHz	15626 kHz, 30-12, 0830 UTC. QSX 16166 kHz
16166 kHz, 13-12, 0830 UTC. QSX 15626 kHz	16166 kHz, 30-12, 0830 UTC. QSX 15626 kHz

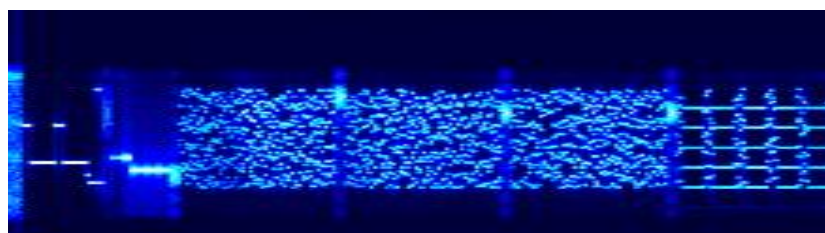
F03/P03

An interesting F03/P03 outage occurred on December 15th at the Chotomów transmitter site. Two transmissions went out simultaneously, and it stayed down for a little while:

8305 kHz, 15-12, 0720 UTC, F03I	Normal transmission
8305 kHz, 15-12, 0725 UTC, F03I	Off after a second
9052 kHz, 15-12, 0725 UTC, P03i	Off after a second
9052 kHz, 15-12, 0730 UTC, P03i	No transmission
8800 kHz, 15-12, 0735 UTC, F03I	No transmission
8800 kHz, 15-12, 0737 UTC, F03I	Test tone then F03I (1m45s)
8800 kHz, 15-12, 0740 UTC, F03I	No transmission
8800 kHz, 15-12, 0742 UTC, F03I	Normal transmission

F07

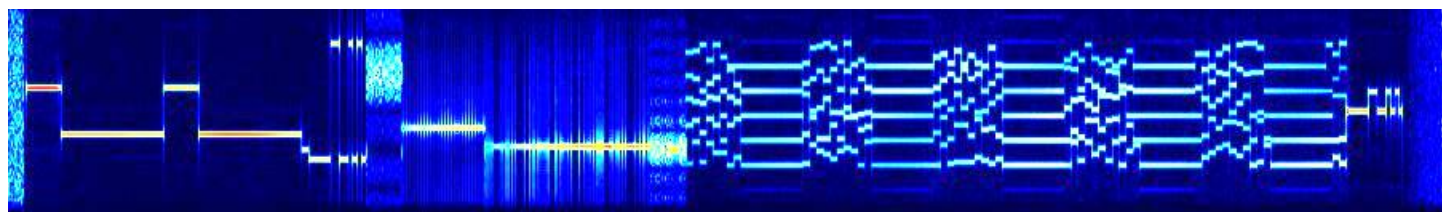
F07 is a new identifier, formerly administrated as M42
Mode: 5xMFSK-16/10Bd/20Hz+250Bd BPSK



Note from PY:

It seems that the Russian 7 5x16FSK + PSK bursts and 8xQPSK + PSK bursts have entered production with regular schedules. Pryom.org has named them F07 and P07. F07 apparently has a Tue/Thu 2100z schedule that started at the beginning of December. Both are apparently preceded by X06b an hour before.

7526/7453/6993/6773/5748/5169 kHz, 06-12, 2100/2110/2120/2130/2140/2150 UTC	1 block
7526/7453/6993/6773/5748/5169 kHz, 08-12, 2100/2110/2120/2130/2140/2150 UTC	1 block
7526/7453/6993/6773/5748/5169 kHz, 13-12, 2100/2110/2120/2130/2140/2150 UTC	3 blocks
7526/7453/6993/6773/5748/5169 kHz, 15-12, 2100/2110/2120/2130/2140/2150 UTC	
7526/7453/6993/6773/5748/5169 kHz, 20-12, 2100/2110/2120/2130/2140/2150 UTC	2 blocks
7526/7453/6993/6773/5748/5169 kHz, 22-12, 2100/2110/2120/2130/2140/2150 UTC	2 blocks
7526/7453/6993/6773/5748/5169 kHz, 29-12, 2100/2110/2120/2130/2140/2150 UTC	



F07 transmission on December 29th

Test transmissions

10256 kHz, 05-12, 1142 UTC. Test transmission

10256 kHz, 06-12, 0720 UTC. 1000Hz beep then F07 2 blocks

11431 kHz, 06-12, 0725 UTC. 2 blocks

12153 kHz, 06-12, 0727 UTC. Test tone for 10s

10256 kHz, 06-12, 1154 UTC. 5 blocks, audio stutter at the end

11431 kHz, 06-12, 1159 UTC. 5 blocks, audio stutter at the end

12153 kHz, 06-12, 0720 UTC. Not heard

9142 kHz, 09-12, 1025 UTC. 9 blocks

9142 kHz, 09-12, 1145 UTC. 5 blocks

HM01 - Dirección General de Inteligencia

11435 kHz, 01-12, 1625 UTC, i.p. Repeat of 26 November).

Groups: 51652 85427 78462 04021 00411 85365

Files: 36385165.F1G 87348542.TXT 50317846.TXT 01450402.TXT 28100041.TXT 75088536.TXT

Callsign: QWERTY01

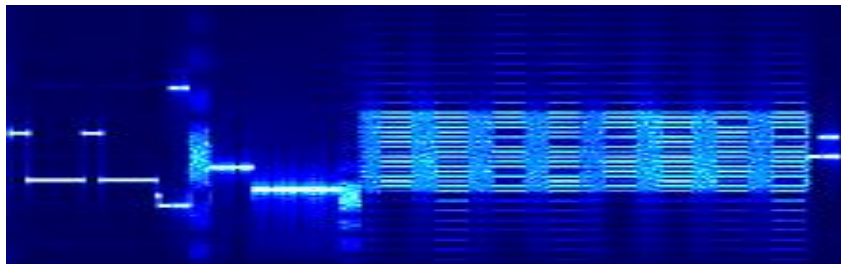
The groups and files from November 26th were repeated throughout the month.

No transmissions heard on 25, 26, 27, 28, 29 December

P07

P07 is a new identifier, formerly administrated as M42

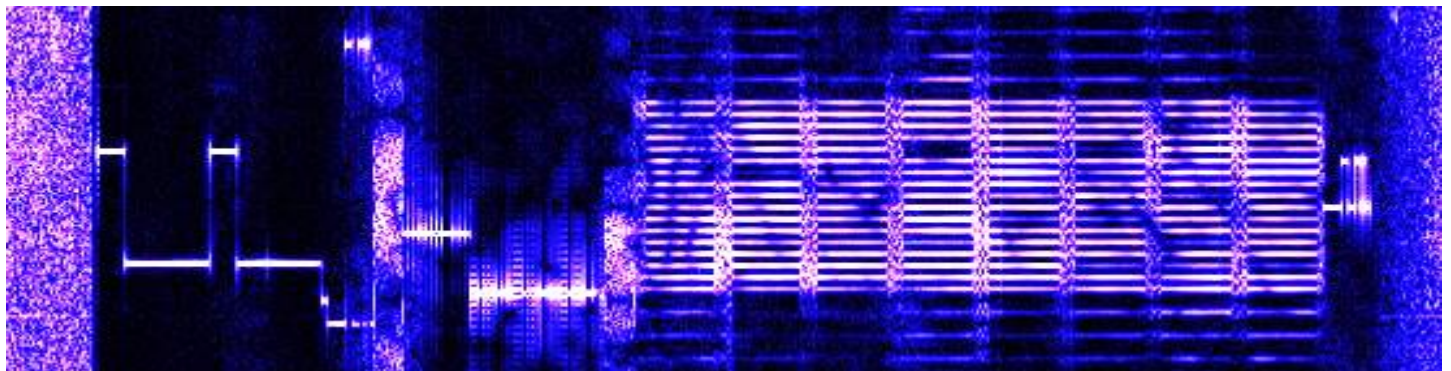
P07 8xQSPK/62.5Bd/125Hz+250Bd BPSK



Note from PY:

It seems that the Russian 7 5x16FSK + PSK bursts and 8xQPSK + PSK bursts have entered production with regular schedules. Pryom.org has named them F07 and P07. P07 has a Wed/Sun 1500z schedule. The schedule seems to have appeared at the beginning of September. Both are apparently preceded by X06b an hour before.

6986/6774/5853/5336/5082/4609 kHz, 04-12, 1500/1510/1520/1530/1540/1550 UTC 1 block
6986/6774/5853/5336/5082/4609 kHz, 07-12, 1500/1510/1520/1530/1540/1550 UTC 1 block
6986/6774/5853/5336/5082/4609 kHz, 11-12, 1500/1510/1520/1530/1540/1550 UTC 1 block
6986/6774/5853/5336/5082/4609 kHz, 14-12, 1500/1510/1520/1530/1540/1550 UTC 1 block
6986/6774/5853/5336/5082/4609 kHz, 18-12, 1500/1510/1520/1530/1540/1550 UTC 1 block
6986/6774/5853/5336/5082/4609 kHz, 21-12, 1500/1510/1520/1530/1540/1550 UTC 1 block
6986/6774/5853/5336/5082/4609 kHz, 28-12, 1500/1510/1520/1530/1540/1550 UTC Sent in DSB instead of USB



P07 transmission on December 28th

Test transmissions

10256 kHz, 06-12, 0745 UTC. 4 blocks
11431 kHz, 06-12, 0751 UTC. 4 blocks
12153 kHz, 06-12, 0757 UTC. 4 blocks
12153 kHz, 06-12, 0822 UTC. 1000Hz test tone for 5s
10256 kHz, 06-12, 0830 UTC. No transmission
11431 kHz, 06-12, 0835 UTC. 1 block, audio stutter at the end
12153 kHz, 06-12, 0840 UTC. No transmission
10256 kHz, 06-12, 1023 UTC. Cut off during block #1
10256 kHz, 06-12, 1030 UTC. 1000Hz beep then P07 8 blocks, audio stutter at the end
11431 kHz, 06-12, 1035 UTC. 8 blocks, doubled delayed signal at the beginning, audio stutter at the end
12153 kHz, 06-12, 1040 UTC. 8 blocks, audio stutter at the end
10256 kHz, 06-12, 1055 UTC. 5 blocks
11431 kHz, 06-12, 1100 UTC. 5 blocks
12153 kHz, 06-12, 1105 UTC. 5 blocks

Q26 - Chinese military

14676.5 kHz, 12-12, 1245 UTC

4JLO 4JLO 4JLO DE IKKV IFKV IFKV QSA? XXX

4JLO 4JLO 4JLO DE IFKV IFKV IKKV QSA? XXX

4JLO 4JLO DE IFKV IFKV IFKV QSA? XXX

14676.5 kHz, 12-12, 1340 UTC

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX

APUBIMFI

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX

APUBIMFY

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX

APUBIMFI

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX

79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA?

9251 kHz, 17-12, 1106 UTC

6LML 6LML 6LML DE 19SE 19SE 19SE QSA3 X

6LML 6LML 6LML DE 19SE 19SE 19SE QSA3 X

6LML 6LML 6LML DE 19SE 19SE 19SE QSA3 X

V

6LML 6LML 6LML DE 19SE 19SE 19SE QSA3 X

6LML 6LML 6LML DE 19SE 19SE 19SE QSA3 X

6LML 6LML 6LML DE 19SE 19SE 19SE QSA3 X

V

6LML 6LML 6LML DE 19SE 19SE 19SE QSA3 X

6LML 6LML 6LML DE 19SE 19SE 19SE QSA3 X

6LML 6LML 6LML DE 19SE 19SE 19SE QSA3 X

V

6LML 6LMT

6LML 6LML 6LML DE 19SE 19SE

6LML 6LML 19SE 19SE 19SE

6LML 6LML 6LML DE 19SE 19SE 19SE

XYXYXYXYXY QSL1903 HR MSG GA

0075 91 18 1217 1904

P248---P242

6713 2781 3302 5675 9268 3070 2841 0357 0294 0010

9514 9491 8910 6239 4846 5154 5657 8456 5923 6070

4264 7316 9846 2132 3517 0942 1382 4770 5402 3205

7982 6016 0518 8967 1060 8381 1678 9854 6517 8359

2858 6563 2341 7975 6741 0132 7441 42&69 5163

7809 5314 8276 0747 8068 0980 4752 9827 2904 PR

5959 6225 2887 8097 9363 9745 2706 0189 0981 5196

5923 6790 3940 1437 3633 0474 3590 5753

4902 08 QOW 9448 4512 1371 9293

2860

QSL? QSL? QSL? QSL K

9153 kHz, 17-12, 1300 UTC

F BNEC BNEC BNEC DE VSF70 VSF70

F BNEC BNEC BNEC DE VSF70 VSF70

F BNEC BNEC BNEC DE VSF70 VSF70

BNEC BNEC BNEC DE VSF70 VSF70

HR MSG TO YR PSE NOTE CY

NR11!9 CK131 35 1217 1607 --
890 203 017 326 314 004 773 353 246 351
415 447 468 938 446 486 385 822 005 773
353 415 448 469 938 447 486 386 822

9114 kHz, 29-12, 1011 UTC, i.p.

XYXYWYXYXYXY QSL 1837
KXYXYXYX QSL RXYE
8VWG 8VWG 8VWG DE 196S 196S 196S
8VWG 8VWG 8VWG DE 196S 196S 196S
8VWG 8VWG 8VWG DE 196S 196S 196S
XYXYXYX QSL
8VWG 8VWG 8VWG DE G1D9 G1D9 G1D9
8VWG 8VWG 8VWG DE G1D9 G1D9 G1D9
8VWG 8VWG 8VWG DE G1D9 G1D9 G1D9
XYXYXYXYXYXY QSL 1836 X
ZWD
8VWG 8VWG 8VWG DE G1D9 G1D9 G1D9
8VWG 8VWG 8VWG DE G1D9 G1D9 G1D9
8VWG 8VWG 8VWG DE G1D9 G1D9 G1D9
XYXYXYXYXYXY QSL 1836 X
8VWG 8VWG 8VWG DE D8HE D8HE D8HE
8VWG 8VWG 8VWG DE D8HE D8HE D8HE
8VWG 8VWG 8VWG DE D8HE D8HE D8HE
XYXYXYXYXY QSL 1833 X
8VWG 8VWG 8VWG DE D8HE D8HE D8HE
8VWG 8VWG 8VWG DE D8HE D8HE D8HE
8VWG 8VWG 8VWG DE D8HE D8HE
XYXYXYXYXY QSL 1833 X

XPA1

13465/12165/10265 kHz, 02-12, 1310/1330/1350 UTC

412 412 412 000
08083 00001 00000 32670

13465/12165/10265 kHz, 07-12/09-1214-12/16-12, 1310/1330/1350 UTC

412 412 412 1 412 412 412 1 412 412 412 1
00198 00076 71485 32301 35040 28100 27317 90335 52314 99170
59599 89135 18819 40240 50036 66104 10219 84924 44540 54859
84741 74473 07434 62152 54050 85562 96364 65582 59997 74540
93820 05171 89601 13073 93291 55688 98421 86144 97766 30540
10862 12285 45271 28646 43541 57159 69912 05180 74424 32710
35676 18631 32086 68930 18177 88589 10276 13519 58621 06289
11825 75196 52460 83517 58942 68935 73243 81592 03751 54395
07533 22269 92804 18719 97979 22558 79870 94283 22004

13465/12165/10265 kHz, 21-12/23-12/28-12/30-12, 1310/1330/1350 UTC

412 412 412 1 412 412 412 1 412 412 412 1
00302 00068 84944 49623 00633 61675 62490 55691 91713 55157
18355 54455 91613 73436 87703 03330 70860 04224 62927 55055
93928 29585 81737 52695 00990 29376 45707 06917 71714 00220
62740 09715 72412 38406 60392 83202 99965 08961 75136 96925
94937 32163 79589 21292 03657 40513 58042 99095 92247 44279
76388 39691 27462 80034 22481 68611 37028 42859 97265 33861
87987 47425 23675 71332 63910 35762 82094 47980 34938 61536
51676

Test transmission

10256 kHz, 05-12, 1105 UTC

Short 1000Hz tone then seamlessly into XPA, mangled intro and audio stutter at the end. This resulted in an incorrect decoded message 15979888846891

XPA2

9281/10481/11481 kHz, 0600/0620/0640 UTC

9281/10481/11481 kHz, 01-12, 0600/0620/0640 UTC

01683 00001 00000 35661

9281/10481/11481 kHz, 06-12/08-12, 0600/0620/0640 UTC

08572 00099 43459 71277 48635 00743 72032 81721 12109 79389
73902 84329 96087 18487 89784 83123 39288 53618 50847 64226
42106 21845 26532 50973 85803 77144 23261 58808 56148 44508
81034 39851 71054 66527 41459 66254 06896 97860 57497 09908
26975 92003 01585 74737 80567 07341 73533 98754 31091 47694
87903 41434 87012 49263 75429 61131 02305 57300 44664 31683
36036 49836 77615 44633 84617 80585 36163 45356 72999 32571
38332 82305 77284 48076 90242 42861 83324 43796 12270 40610
34028 58112 82865 63333 57777 09058 64407 38417 20162 54908
64428 83066 16746 89050 32338 53888 49209 70380 07732 20614
32682 10334

9281/10481/11481 kHz, 13-12, 0600/0620/0640 UTC

05640 00001 00000 34261

9281/10481/11481 kHz, 15-12, 0600/0620/0640 UTC

05854 00001 00000 37262

9281/10481/11481 kHz, 20-12/22-12, 0600/0620/0640 UTC

00325 00087 95818 17700 60743 22116 44595 46179 33237 44260
57858 13320 32577 18894 78661 93764 04557 03878 77542 37900
01498 93034 69626 74846 42434 74140 82958 49130 23887 06172
71157 44597 74196 11708 04633 37767 83137 09068 18296 18831
36791 97304 22007 04366 96511 27132 80296 38003 25581 68999
42898 76626 74665 19299 49778 55420 46749 51315 20408 93997
83947 27173 22437 21917 07262 49509 17861 93981 19350 76720
95760 80877 17960 31339 76213 51855 48858 79176 69611 70177
71844 12440 93712 70824 64724 99785 14920 07277 26895 22264

9281/10481/11481 kHz, 27-12, 0600/0620/0640 UTC

07261 00001 00000 32665

9281/10481/11481 kHz, 29-12, 0600/0620/0640 UTC

03117 00001 00000 35254

13919/11519/10719 kHz, 0910/0930/0950 UTC

13919/11519/10719 kHz, 01-12/03-12, 0910/0930/0950 UTC

08649 00165 53829 35319 73865 29772 97528 87842 06150 27817
53129 35561 46975 09126 19435 86689 56987 65908 00017 86352
03506 61317 31146 29879 66747 04057 89685 56632 33602 47634
81938 38293 52110 32349 15025 31675 79838 63644 14541 50057
71752 61016 99719 90828 97654 16586 00139 05190 07949 12200
41502 28661 97122 86787 86711 64715 81363 71463 28943 80650
51814 49017 42995 22302 56035 43550 29178 03553 24516 71263
16305 53110 55928 72046 46554 45082 21481 05978 55231 89516
21070 17088 76068 99807 10416 12396 86504 83363 14603 42068

79162 11033 81423 11144 87755 92360 46840 99442 74001 09635
19208 42889 27868 52177 63436 69974 61218 60459 56469 03067
67479 18644 53164 92666 64245 94255 73491 99740 38795 47918
57534 70973 73255 62848 62999 16701 34084 34001 38852 44732
60970 22166 90092 54319 97586 20095 89380 29419 88815 23455
70752 75956 42341 57150 86482 73563 11383 84790 49128 69126
20637 85993 01081 94052 68415 84260 88742 92029 55855 62535
77044 75819 87544 63063 03525 84855 47934 15706

13919/11519/10719 kHz, 08-12/10-12, 0910/0930/0950 UTC

00256 00100 98775 22128 34040 27215 68355 43237 18189 22386
63796 93701 54600 41927 39989 04886 19332 90142 36970 87932
06854 88565 17139 93522 23628 54753 11967 84419 39585 33782
45076 89654 10625 51904 11100 89372 24622 98954 61167 09600
96503 67496 88730 04327 51987 07275 23368 56159 66956 87929
82488 11771 46316 99221 00766 01708 74541 30586 27088 24695
82538 80566 72044 28567 59697 36909 69621 64208 35692 33730
34407 99524 77137 45955 91695 29547 15293 96716 74004 46209
55180 25276 00845 35139 02523 29419 10379 63350 23152 90053
72717 44436 06005 62273 59206 79961 10506 06931 95819 01830
86020 00072 43625

13919/11519/10719 kHz, 15-12, 0910/0930/0950 UTC

04186 00001 00000 34664

13919/11519/10719 kHz, 17-12, 0910/0930/0950 UTC

09129 00001 00000 36263

13919/11519/10719 kHz, 22-12/24-12/29-12/31-12, 0910/0930/0950 UTC

08127 00114 24079 26722 37698 91811 25631 20411 90711 79671
50526 51430 06329 55130 21614 95597 99859 88422 56573 88164
66861 26326 56234 98447 53453 08689 66647 49401 28214 66297
26436 32118 92108 01145 58836 52755 99088 98553 59152 65036
24810 64421 14212 84069 92008 63050 15928 18399 31785 34833
66377 39384 29811 58913 81301 65841 70364 20238 76582 92490
17774 26967 34685 03777 85937 60000 47484 58698 00242 97398
78998 97818 29220 42118 85485 92610 20861 60383 64528 08200
68952 40032 61837 28444 11302 75645 48866 75450 14107 87644
01897 38820 70983 17048 82958 96237 75912 22731 18683 46926
40737 69603 41478 20365 05432 53212 92624 55930 21319 93725
49148 47594 84361 76679 72431 43062 54213

11579/10979/10279 kHz, 1100/1120/1140 UTC
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11579/10979/10279 kHz, 01-12/07-12/08-12, 1100/1120/1140 UTC

01940 00195 88992 42112 16559 13884 63416 01932 00263 50020
83601 82440 13515 24223 36110 46804 15334 22371 81418 47957
79005 35945 43522 06999 62340 79104 42176 34785 24375 52736
23135 85840 65148 96716 79233 54483 84666 15569 28462 28676
37505 47020 52440 84449 96118 40787 31245 19564 82472 68008
41561 52431 54590 36998 67737 93317 77377 28951 69277 25911
85557 42974 34008 80455 40196 32903 46273 11664 42027 34932
46165 93561 23085 09558 48923 54998 43798 21734 91468 50030
32085 13227 79373 94185 86953 94653 77747 72672 20900 33052
41098 31898 81960 92813 82524 95942 50471 53762 51591 21486
63241 38814 54297 14590 21428 15053 54117 28984 29016 34722
78726 72581 98886 54525 37004 92165 98928 14361 48393 22121
03624 88090 66285 48525 48027 52146 96109 86280 31764 89747
02980 89092 62617 16269 27732 20530 89626 03765 34819 40568
65985 04413 60429 02929 36865 91342 85954 43860 85817 72301
16295 47437 73305 92920 77679 42968 97967 99341 07203 02167
97299 77641 05279 61324 54375 98435 53744 88005 13057 83819
44774 39121 24334 96358 59589 85154 18339 30148 59580 79759

13498 09152 17703 53421 01052 35670 22226 05759 43156 20095
73281 82743 83188 80463 98800 35888 39170 61122

11579/10979/10279 kHz, 14-12, 1100/1120/1140 UTC

02468 00001 00000 37260

11579/10979/10279 kHz, 15-12, 1100/1120/1140 UTC

03527 00001 00000 37255

11579/10979/10279 kHz, 21-12/22-12, 1100/1120/1140 UTC

00125 00170 89863 68392 97446 01904 31661 62782 58024 50657
37628 59098 13708 57535 48107 76717 56500 67970 61351 93563
15314 62406 69950 48579 01022 62080 37183 00065 39593 91481
43696 69476 26445 08347 35034 40510 58222 45196 47504 04982
30944 25859 30020 40652 24891 08069 21490 41594 95351 56490
99634 99571 25427 66380 47430 68331 40596 58410 84920 44291
54618 79161 26979 83987 50118 80765 34994 27626 36965 80798
24705 09563 86600 24096 88930 70071 20045 09522 57107 74883
47655 85718 21187 54873 59969 24457 51223 41095 51645 15501
93756 94640 74489 93486 66532 16066 24233 47378 35795 85049
09068 13011 34187 51424 64943 28224 94542 66226 57495 30524
54739 71220 17607 84168 25472 60876 11019 27761 30285 60667
21167 26073 31494 97670 83050 36363 66216 97813 91455 80837
94966 85734 59571 93988 72487 00070 66776 01584 39073 45709
46252 96725 79881 08522 82601 82708 12087 91074 70120 82149
82213 42800 10363 67961 27683 52861 79149 55571 63588 14261
46832 44470 33504 84869 91436 16380 33691 78176 25712 13045
14314 19239 04140

11579/10979/10279 kHz, 28-12/29-12, 1100/1120/1140 UTC

00510 00168 83242 18389 25414 23028 27505 98033 52060 23500
35728 87165 30182 81163 53676 63281 93461 58874 14347 33412
28271 04646 03118 22930 58149 74944 10222 67928 26602 89309
14394 45646 81904 48584 43646 06065 31572 97408 56754 49594
68487 47400 69232 49874 39753 41954 25652 37677 50728 55860
34858 56603 17692 97666 61552 70532 13812 95858 41479 41880
26293 73724 37095 34678 37499 74371 55554 05430 46388 78968
84547 84422 68832 89543 95543 61557 59627 31363 31485 89789
37426 02609 33986 53152 64489 79012 42310 63619 99272 39739
25805 12232 36434 14879 27678 55252 12595 04227 29528 24372
33208 95653 87192 47877 65731 93183 84785 68116 63112 56689
58019 88211 51756 15303 67729 51697 90372 39969 48567 65112
29797 14301 51677 59246 24448 12765 66830 27293 10952 56606
50171 13964 05327 82169 25753 26681 57055 07229 39398 60680
87913 07671 19966 65346 79868 10432 08099 24821 33088 91930
22412 74787 10892 10084 12028 41041 92811 32093 31099 08671
30072 56105 84986 40564 18271 90904 59369 89037 27916 06339
77652

8184/7684/6784 kHz, 1600/1620/1640 UTC
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8184/7684/6784 kHz, 01-12, 1600/1620/1640 UTC

05188 00001 00000 31666

8184/7684/6784 kHz, 06-12/08-12, 1600/1620/1640 UTC

05769 00274 38391 55781 13753 94343 42077 06175 89727 39082
53970 23274 60499 08205 57210 33691 24229 41579 27673 55022
45301 24568 83722 15875 54878 38556 25078 11211 86501 61767
48658 60146 01441 35082 77347 54629 89447 83328 35738 51744
31155 20123 98398 98789 81748 94827 04112 53089 09563 47217
57276 94907 75162 57570 42037 98550 56801 72257 02731 09235
11521 58327 07112 37494 61344 14756 73544 53016 88399 88753
08633 38817 52398 98392 90574 57382 99125 94893 39159 09587

38812 16862 75677 21221 40481 60363 13680 74099 56946 24006
61123 77902 41379 99194 53015 46630 21762 81915 50641 10970
05025 30592 51191 73399 15621 50452 93824 14612 68127 51340
73729 34710 13364 49228 09178 52480 79516 16454 16060 59241
99722 87307 05092 06846 79660 11777 77677 41527 75143 14968
50004 94867 02730 50178 65124 72599 17080 14606 60153 74752
16228 94952 74104 94555 12776 18577 82601 51344 25770 56472
90899 14222 76795 05831 67151 38624 95948 99555 86764 75341
28524 90590 42138 18603 65268 11956 89787 23891 49855 50826
63164 37685 37133 24969 04626 96820 79077 14155 77074 61593
64201 89170 46966 28080 72370 80909 81607 21230 87274 51067
76592 98884 98313 21354 11224 37585 13286 64327 50018 94551
92159 65849 17475 88616 91048 00430 35858 20901 85302 55191
39934 78512 66506 16193 03728 50996 50486 51811 18162 78553
53106 28938 73278 27309 91550 85270 76945 78425 91495 87579
60846 54039 02166 03597 61887 80005 51387 27975 04294 83953
80579 42229 42335 96568 88488 78239 82872 02685 75087 30821
80710 52405 79843 08933 81995 81448 01725 30188 63819 37369
85797 11430 82346 24374 61538 12573 61959 74073 50472 92936
65987 78187 05791 09298 11756 19806 43426

8184/7684/6784 kHz, 13-12, 1600/1620/1640 UTC

09055 00001 00000 33666

8184/7684/6784 kHz, 15-12, 1600/1620/1640 UTC

08474 00001 00000 35267

8184/7684/6784 kHz, 20-12, 1600/1620/1640 UTC

08295 00001 00000 34671

8184/7684/6784 kHz, 22-12, 1600/1620/1640 UTC

07231 00001 00000 32662

8184/7684/6784 kHz, 27-12, 1600/1620/1640 UTC

04942 00001 00000 36660

8184/7684/6784 kHz, 29-12, 1600/1620/1640 UTC

01792 00001 00000 35662

16347/18247/19547 kHz, 0900/0920/0940 UTC

16347/18247/19547 kHz, 02-12, 0900/0920/0940 UTC

06891 00001 00000 35667

16347/18247/19547 kHz, 04-12, 0900/0920/0940 UTC

04639 00001 00000 40657

16347/18247/19547 kHz, 09-12/11-12, 0900/0920/0940 UTC

09009 00103 99362 06010 83568 69068 15167 24512 42210 53417
34170 64845 49157 28809 89172 21957 61893 01144 32330 15109
97158 84691 87551 53486 09936 19539 49316 97855 96055 56355
19673 75806 94595 40156 55360 47213 91053 67538 08667 04920
34656 92744 80309 81307 02024 96682 60667 94970 12244 30374
88567 21694 20722 94769 76528 07879 75687 23408 45055 84664
89799 79694 18456 65748 70952 84628 22067 08034 11998 05212
28385 83075 91990 93106 95710 24208 41481 36841 06287 45295
11483 54979 45654 87789 97821 73578 61300 99277 87193 82991
84879 41011 32417 88066 98572 05488 35916 80060 31874 76539
24635 59571 81137 02861 46439 31501

16347/18247/19547 kHz, 16-12, 0900/0920/0940 UTC

07525 00001 00000 36261

16347/18247/19547 kHz, 23-12/25-12, 0900/0920/0940 UTC

09124 00129 47643 23938 72309 60891 84410 36093 64847 16548
29317 67907 62290 87606 17200 36161 31912 04972 61805 70996
76439 92049 88941 01619 66849 46279 89139 63864 26607 81600
56649 33341 44271 41290 09838 46873 26214 43225 00383 03843
99137 27541 30156 22564 84172 03035 89403 71536 59576 06320
86161 32241 72495 38167 76612 58394 55266 69121 96245 18300
96717 43817 49053 17119 40874 93080 99524 83558 58153 08340
56415 10293 26876 76130 33419 69591 97612 63027 53858 00797
95651 72565 81000 02233 34411 04245 74067 80647 18638 88986
43032 04268 26856 91875 91799 63968 61674 69891 07474 72079
13989 65022 67752 01032 09393 28354 37679 57395 30641 97445
26064 27651 10897 61904 24564 88793 00085 09510 36429 66672
75487 70984 27264 85179 80912 62365 80782 12681 41756 81469
75968 36051

16347/18247/19547 kHz, 30-12, 0900/0920/0940 UTC

02764 00001 00000 36660

9265/8165/7665 kHz, 1100/1120/1140 UTC**9265/8165/7665 kHz, 02-12, 1100/1120/1140 UTC**

05827 00165 99976 75741 12797 63476 44507 41131 60513 48002
40679 06617 27818 18649 40760 66953 99606 73767 64515 49726
77772 93326 05881 61836 46606 10065 66588 66161 92025 89358
60933 30264 39939 78502 77630 71174 10917 21399 71196 89907
21629 93784 75806 46716 27511 18844 65138 24020 08894 40500
34648 14285 84482 24473 51554 55915 26618 13848 27411 42816
16417 32173 45521 98339 75082 68003 74643 59126 52636 40692
26271 72977 53771 84898 68085 77559 37236 37201 22673 68598
04449 23716 38645 41822 29314 74282 21168 71251 30377 79585
51742 65888 94151 62442 41483 00035 41461 27832 55120 20428
19091 78284 69284 58050 46320 48100 25027 70189 59571 69136
67887 41054 17279 40382 61203 50563 28363 19430 66158 53307
04060 57529 98193 60083 86334 97045 46758 40182 03694 41473
67465 20180 07429 90279 61032 15658 67906 62156 67366 93946
65252 21843 89901 23406 28674 77389 33214 07320 60586 75452
90599 39886 21493 58604 88438 02032 72719 52687 40578 29241
76923 62895 46606 93450 48253 02737 89653 76327

9265/8165/7665 kHz, 06-12, 1100/1120/1140 UTC

01941 00001 00000 36255

9265/8165/7665 kHz, 09-12, 1100/1120/1140 UTC

04468 00001 00000 37262

9265/8165/7665 kHz, 13-12/16-12/20-12/23-11, 1100/1120/1140 UTC

09806 00161 57075 49773 53967 97869 26145 35195 70732 20253
08052 75201 45072 86799 30574 29361 49599 22212 14436 92124
88544 28810 90244 08289 78377 79310 77554 97784 05493 46276
12610 69034 20520 85509 95265 26192 00533 94844 33980 68119
87385 23925 97041 27122 20122 75488 64194 37712 79530 44288
81760 61283 37400 81578 76990 45412 54467 10814 71881 05344
41994 71792 71769 92719 76432 67028 33977 41396 21928 52508
98219 27395 26301 33611 00043 49170 27072 46119 74256 56733
90776 33031 59106 74331 40532 92468 80951 02753 00093 44134
02060 69133 61554 29121 26676 54837 45553 38744 90241 98873
06825 07824 78037 60680 82100 14712 13969 50882 71977 03905
32656 10309 53450 78190 42230 91221 88331 69481 56034 70163
21901 29933 03995 99596 17408 64831 98954 34811 48392 46044
34087 59083 67092 33393 59403 26149 03289 82668 89917 42051
55843 98151 53311 43898 55034 21910 90799 96045 70502 73658
03854 17367 95415 12528 08928 20837 38187 87606 34011 55914
89146 58434 16880 32656

9265/8165/7665 kHz, 27-12, 1100/1120/1140 UTC

04863 00001 00000 36662

9265/8165/7665 kHz, 30-12, 1100/1120/1140 UTC

03999 00001 00000 42264

14841/16241/18241 kHz, 1200/1220/1240 UTC

14841/16241/18241 kHz, 02-12, 1200/1220/1240 UTC

2-12, 1220 UTC: Off after 2 mins.

00323 00178 31669 60230 08545 16333 72688 05743 35504 66566
08710 24811 29057 75125 79911 21833 94559 61667 23265 17035
98431 16347 13992 03395 17917 87918 87111 33470 98873 85248
16900 68011 39777 26753 73231 10662 40716 93509 04440 75356
65037 33295 92316 74225 92841 23133 18433 47260 69660 31953
48435 13286 27261 89533 75132 54650 57473 38370 58165 21498
56855 74466 88804 25885 92636 54530 54194 17109 49178 86872
44012 19767 46396 54554 44887 32717 84910 37517 45094 54455
25527 29472 55736 74109 86523 46002 77833 62558 71610 26336
04264 80854 93104 70220 02281 71992 13785 28359 24964 78552
35541 89918 25744 88350 94365 42448 49473 02771 12388 00348
17471 25485 02733 37992 39841 03744 93374 90363 60910 61285
09637 23001 62508 80331 00070 13875 81117 73948 15978 61615
24817 75876 59083 95733 69467 27393 93887 11950 74949 15908
50941 59925 43603 29201 54816 33898 35053 77608 33684 30835
35781 77049 52668 72687 53330 65375 80288 54344 12391 61511
02139 23002 19162 24550 45538 00738 32821 83226 01108 32265
35009 12932 67267 42548 94661 61265 38874 80195 91121 91657
63660

14841/16241/18241 kHz, 07-12/09-12, 1200/1220/1240 UTC

07065 00258 20024 87132 66301 56377 38868 80592 33170 61221
63215 12612 33072 16432 30860 11687 30683 94486 07085 13158
30707 81846 99770 06668 28656 89333 88800 12588 52279 05477
63123 21198 63010 08532 87568 58899 78600 05871 26035 82322
87778 62485 46960 01809 32615 45316 52632 68833 17167 50278
44881 82454 15649 86088 88380 44608 72863 23135 47002 02863
18586 85150 80185 32857 46617 00449 73185 48321 95334 30811
67236 70037 29346 65284 79866 84570 25472 01535 00886 79510
72012 30575 57095 06685 35247 52212 48974 83356 24888 70666
27620 62677 87215 23388 64608 46631 46701 27531 16433 41390
38002 10029 00231 37042 84416 27384 59273 07975 49231 79418
52031 85497 75396 59995 15968 06688 81895 42754 44383 73913
28673 79157 22426 80561 72988 21105 62837 40500 85427 06913
18163 06706 13413 89606 93737 17230 27889 17076 61803 86624
48807 72143 90036 69207 17034 71296 89152 33185 47655 49300
37212 68330 97311 26588 08234 46087 04770 54626 40229 37033
79895 38672 53329 57828 08480 59697 04655 50980 23443 43160
50386 04671 74016 99137 29059 78648 28289 18803 80969 00632
17641 28727 66663 23283 88681 84130 70080 80715 20037 01783
60565 16900 26363 40307 55256 32244 56637 68897 81387 84641
45074 65137 30875 93822 81186 19499 63463 36022 39251 02212
25845 25225 32212 13401 33258 93883 67272 15644 32834 16155
34552 28308 24595 87881 13282 20252 56438 47212 20008 30195
87930 79315 45620 25559 01559 62511 72790 06788 51862 10477
73330 25958 52470 87938 65768 37600 07865 39403 02827 03662
24735 88006 53553 07770 91213 30299 01744 64444 74616 38842
16241

14841/16241/18241 kHz, 14-12/16-12, 1200/1220/1240 UTC

00189 00164 66705 18527 03516 79639 78566 53653 15260 90201
11566 62902 74144 75109 62308 64117 37722 90899 71238 87950
92499 34455 70806 63654 87998 43318 41746 05126 46068 42098
64424 86609 03300 02389 11414 31891 22390 93935 13809 98132
41923 60826 99055 40314 25607 51159 40278 82514 21700 22456
18535 95483 87385 30983 52964 74757 34620 86094 80454 38116
50765 56759 33619 88767 32360 01064 60322 76707 46510 05061
70130 26847 78796 74386 78660 16479 88653 52864 78523 41965
85919 16575 15715 02675 24014 32939 88341 67630 38050 99146
09825 57763 08859 58447 97598 94964 30763 18977 39092 99628
08593 31361 21875 42665 18921 28114 18498 05841 03345 30416
08825 04560 22788 15073 89020 69958 67064 50417 00434 48837
11133 12181 19469 12863 83388 46190 55814 87552 98679 99503
17716 06990 01103 72543 50941 40463 86388 27709 17091 68619
80734 59314 52993 01567 82062 86672 94776 34232 81929 12523
50102 33322 15413 41294 60493 58756 10451 76602 80314 41235
41072 72907 80616 61726 05573 01580 31152

14841/16241/18241 kHz, 21-12/23-12, 1200/1220/1240 UTC

00175 00120 64251 18468 15797 04309 11143 44788 25413 98363
27444 58161 33337 78422 86206 75548 11253 17800 49197 37970
87777 92488 84611 33772 49488 77136 40273 46949 80355 63333
08442 66292 66665 33937 90383 03284 14285 48842 80822 22015
80617 22330 63744 27448 30440 68276 00533 15086 55418 75247
00072 54403 00621 63030 44052 11844 63900 98813 82942 19629
48590 68571 55855 31400 87486 63585 80411 91304 88877 75447
24447 92216 88040 49115 76935 61883 20637 94455 42217 47788
98266 00440 52709 02705 95753 43714 88696 23119 94351 29883
76107 62886 68637 14432 07778 46180 44526 39399 52400 22986
38435 14165 55626 03904 40887 43788 22311 94495 73888 77999
85425 13234 21155 97975 99211 22800 44421 35265 35556 60014
49831 38547 65224

14841/16241/18241 kHz, 28-12/30-12, 1200/1220/1240 UTC

00268 00202 82786 01736 19844 78706 89629 41524 92557 62517
71946 53368 49024 35037 07739 63372 14251 13968 72099 27435
58454 12877 56036 97493 48040 65622 13943 15809 42729 02914
73144 91890 78307 14480 61018 19198 49567 35932 62452 63908
21000 60512 51116 78864 52971 82723 08824 17094 35260 48285
29892 47249 38691 18256 24180 58878 16499 91677 16301 84116
53206 07452 88859 10883 67105 61835 04045 88928 24004 29470
94689 70834 46515 44390 78325 28347 49880 51269 90750 64711
71763 72403 62693 42360 15526 69670 12481 11031 60665 05073
07247 70240 95228 29824 85502 60208 06449 17414 92138 48705
93050 45851 33234 98933 06480 34201 55189 11646 64007 96246
37246 70871 79032 60117 11085 86934 68462 97631 76043 82707
88075 30789 35967 28295 27667 31496 95027 53197 26550 15964
25587 99391 20455 91788 19700 15612 07431 85216 30969 78534
89104 12956 77521 58628 68161 58249 92138 62566 25110 69333
80010 91986 51265 73870 16032 95463 14821 98281 30540 14322
20819 89981 68621 89434 85537 09674 23914 64788 19197 64000
36574 17511 81043 70699 97020 59608 36089 98811 71172 59582
84408 56046 18673 06549 49834 01632 32962 21971 65575 47727
04045 31807 23746 11264 94451 17632 49225 17646 70212 79443
25059 29266 25985 33575 16453

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20836/19372/18493/17451/16166/15956 kHz, 02-12, 1100/1110/1120/1130/1140/1150 UTC

Message not decoded

20836/19372/18493/17451/16166/15956 kHz, 03-12, 1100/1110/1120/1130/1140/1150 UTC

05019 00150 39053 46335 03382 26855 76656 49599 48490 76450
79909 14918 39974 62599 50430 19385 52258 86654 09306 58753
41465 65598 20162 16486 96958 57375 22841 47501 31772 97784
84884 81989 91835 92647 30473 88238 79526 84902 38702 13312
71201 89155 99501 96567 53624 53341 54001 66518 83352 32793
57747 34055 56639 49594 20379 19190 26406 77637 16953 26058
47741 44945 43053 81672 63222 51747 59515 58992 28173 75324
09321 14515 27570 48997 02649 81485 07497 56304 02749 53478
95444 73832 09665 53594 85957 74254 47705 43959 27973 06094
27429 46876 20287 22511 13092 15216 14312 72510 75186 25191
80972 87408 93614 86160 07413 61130 53307 15583 07520 48048
53580 15746 75192 50632 30220 32108 80744 18406 67016 45504
31714 41287 93758 67750 76666 69065 76155 63599 06627 29439
68097 75058 40629 22102 32759 09394 64768 86177 02004 00325
98416 41496 72112 02931 51321 01609 06034 80693 71100 71984
70919 84196 50444

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02398 00116 96870 32984 10915 61294 32841 97024 30635 24850
84073 04947 96657 68460 51640 04653 22686 82101 58544 74058
39245 68672 57315 79799 47355 75192 64179 20239 05385 75497
76164 66698 06646 16612 67498 93597 11124 03533 63248 39914
19260 01175 20726 94496 71386 25905 94345 28514 81770 66089
85956 05308 52115 86263 09238 63470 54116 44885 64439 58521
94438 82360 70582 00050 38406 64852 66261 10627 10077 68519
48017 00382 43853 98880 03668 38610 68766 76888 15702 71447
70608 01223 23265 45275 38888 44530 22022 62666 52657 73057
18895 91812 44021 92948 10300 01292 15039 33263 44542 81148
44555 02674 66771 95526 50003 74088 78880 67888 15336 75501
36883 32429 52966 67711 00155 87775 18856 00063 54300

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03808 00195 35556 14889 72594 83818 75145 04934 88018 80410
59266 22055 73876 72005 64439 92305 77612 82472 83377 69241
59373 13866 08887 77758 59377 10663 00990 85771 33602 93208
91666 55591 06246 99099 38933 12258 66673 92234 19961 81232
93415 12224 23913 30407 56747 38225 00838 32511 66681 78727
76177 26931 29074 25629 04280 46810 40047 38055 83009 70249
13337 33262 66637 19601 34061 72193 44338 16773 75339 16828
83125 72800 03338 22356 32962 70770 04815 01181 88563 43057
83363 44507 55019 44177 44007 67237 40191 61279 66004 37377
01277 78876 81223 62183 31380 39493 93556 26213 71400 44778
04333 77384 84037 56650 89955 37275 80704 30127 43565 20035
87369 06770 14435 77994 44465 33002 16935 06663 72216 08117
40080 33515 54557 44165 16957 10114 60036 03021 72857 25820
56555 92517 40378 44388 04757 87364 61919 85377 78956 78153
82850 18876 18761 11279 81500 24290 05536 21218 05316 89233
55355 77847 56076 42507 17099 15452 23644 21889 43922 36640
43162 75464 03325 28433 22600 88775 40946 70026 77238 28779
51217 37044 87619 03857 17255 50229 81870 37773 00666 80048
80008 88551 24656 88805 25127 00596 48840 79992 50250 51008
02085 38827 73777 34358 88779 11511 89216 33310

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09455 00281 17206 20958 60936 67123 55238 95398 11519 22227
38252 99436 33322 54827 66866 44843 23051 74719 90934 66274
85121 67566 31093 84715 16627 66600 73095 73744 88934 88097
20002 17754 82340 00026 55366 27377 76639 62864 94206 53313
77631 56444 44066 25063 71496 04390 93011 99313 98440 52533
01786 53761 13331 03956 22823 97781 77850 65155 52701 54049
12951 83447 74753 33834 42200 95888 56409 48442 20666 15178
15684 99931 25562 09759 49401 44520 43006 90555 49119 64956

17675 21559 33636 95402 94154 47106 06158 66253 83955 11860
19827 76030 40599 72049 22974 54493 29404 07777 07858 77869
82268 80071 31098 55449 93139 53386 74905 06626 05177 96973
22369 50972 46303 81047 87288 42369 84644 40200 06091 32049
75594 41665 25274 00869 79947 27275 11072 38609 24447 44250
33341 85112 79813 05550 13766 33363 84662 77554 77481 35317
88749 96677 41484 32286 10813 38843 80284 97163 10790 62638
02344 80515 16249 38635 61554 02916 11563 55626 81911 48296
76382 86905 50444 90513 72376 41439 29949 48744 86570 76562
42168 52527 72511 51059 03164 16668 76605 08354 22466 60445
66072 00517 85939 04552 78407 78598 00011 16084 92185 63066
15927 81994 15536 74728 44602 46640 48836 52833 96032 47718
25882 78893 15590 36261 45498 73388 78557 89919 63900 41139
74104 71904 35005 20911 36174 06383 52090 27410 70965 13748
42915 13343 18169 15103 45813 36513 78899 33839 83988 99364
62613 94771 48216 29166 86714 15024 43867 41660 85025 00816
97606 95562 34537 00541 12566 36564 07864 67707 96036 49744
04305 72032 20822 65981 32562 42192 39113 53717 47475 97710
80821 78780 40009 39786 27717 68712 65983 30805 69003 36381
00848 02755 92554 80265 20721 58774 94892 56592 13346 30464
24728 93533 25915 65622

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06133 00214 06536 37317 79241 84228 81133 89440 43400 09849
28712 22709 95077 95208 42812 34131 95736 94901 61440 83731
46865 90589 70380 47707 55192 28303 97826 26186 98113 58545
15655 95843 16549 02117 86937 74056 42952 30267 77755 22723
36377 46387 45278 87015 99549 09384 47822 78277 67482 24966
52563 41977 53433 76051 94248 25616 59719 11197 69401 32054
54356 10181 84701 55341 65074 09224 94061 06247 10389 11486
89648 03506 17931 44190 92869 52282 95455 07670 71186 41964
70476 60043 80687 53370 67383 80005 42544 90689 07142 64300
08268 96648 59099 64248 56470 86957 37094 69964 24204 17256
11825 33459 37064 79042 65695 14438 13395 29740 25360 53557
27820 65963 99178 03112 81630 11980 78866 44199 70001 24680
12428 01518 55065 00404 51115 81518 64111 54676 29004 29450
19555 90370 95331 03170 64641 51172 87906 78738 41877 76683
87654 62129 89541 16274 25885 56974 85233 00469 57430 55355
13931 38799 02380 26200 01679 40579 02323 45910 12579 23627
09235 97146 23099 79155 67198 75977 14290 79873 73448 82571
22171 21366 48475 71091 70328 22610 50164 93588 66219 89790
62563 28888 94151 37725 46115 18129 25703 24522 04608 14605
11435 01312 37695 47118 82505 09133 61177 00343 11398 38744
43517 96485 19085 25814 33687 78611 22688 36008 45591 10536
89600 07639 19363 83192 65829 78766 10420

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08862 00196 07086 98058 75246 51758 78106 95291 28577 63828
45139 31732 16857 25027 36145 90469 13464 17802 87879 60905
03654 74680 26030 81115 47999 57358 81419 86916 70900 16560
48840 33668 90191 12941 12948 47897 92643 92905 40336 69088
97059 29466 54789 74751 82986 19672 57917 21151 08340 03439
11479 78187 32631 85607 52241 08486 84380 33210 39277 71031
46363 99959 83318 89837 42403 50463 88161 11741 33721 06089
83757 22327 94210 01607 72413 14183 99675 51598 97462 91511
80012 58525 70498 98565 96618 97894 99074 88459 66331 82572
06861 23922 80576 80749 14969 32209 72074 30352 59131 50573
75071 66168 90934 50832 76124 12653 26561 21258 79762 40885
52256 13839 49636 35212 47255 89400 13898 04000 93963 72408
98751 80608 18738 01745 95113 07617 55410 26270 07928 05673
54949 46610 03522 64625 48945 15922 50881 16926 60169 61702
69419 74597 87395 94701 95459 37349 07896 66784 60047 96119
14682 15815 91197 08438 37865 95970 75148 51964 07534 49077

01826 35933 65117 40701 98787 61520 94200 56884 01638 55459
32957 14049 20723 13011 81861 82402 07927 74638 16382 93396
15341 23348 99019 51456 77729 27032 49531 53505 41249 25297
88739 37049 42924 93603 15301 55337 65163 62147 53052

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07963 00248 53675 96775 02835 12721 07636 96845 46931 09180
66082 29961 83616 86306 38310 33425 11825 36814 07236 10763
36127 83878 94709 75463 18266 66059 25891 50557 97124 60139
56131 54460 13376 45783 79893 36919 54654 53586 15945 64450
02201 67297 84265 67730 09922 29437 92319 32647 80507 62298
96159 02979 63927 60071 41352 93945 97548 21828 12851 51331
51574 73529 63419 97444 52890 12747 70539 71700 95521 87761
77886 33672 56151 67111 79345 96571 35129 01776 45974 24914
06543 74426 67858 04851 49357 29592 57420 79691 67409 76494
76300 12970 88491 93551 07945 74350 65654 93429 49983 73480
30973 06943 69474 21852 59356 08007 30456 56814 23993 45231
64964 47313 15879 65909 53700 10411 46791 90801 72783 65197
96145 27952 43198 58969 57981 35874 68442 84348 20277 41797
75591 27222 78216 58770 05577 44116 18996 13430 12021 48101
53996 20726 75150 89245 24378 84363 62091 78924 05162 61512
55759 10217 87190 44142 09904 72652 79138 05409 76855 34267
19092 55612 83780 95719 89144 40440 20070 78112 58381 48946
86079 28658 40209 82082 13694 06239 50982 69388 91637 46292
18125 40139 65352 30482 89293 96219 33308 68728 58082 38103
31464 26296 77035 22266 53106 09379 04275 19766 96760 87639
15438 00493 23405 24273 35607 85498 22988 50885 15723 51717
34805 58360 45410 04610 25421 87471 68324 83822 66281 60613
05514 70687 84644 61262 65493 63615 71340 02176 77954 29735
48986 41678 43539 70133 39405 85951 65251 91475 95491 31657
18401 43938 91161 91910 56373 85581 69379 81147 52196 83772
63474

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08188 00259 05826 79861 26938 00863 88371 71249 89292 67025
61097 99928 80259 21119 57363 23912 30516 77401 71950 77799
56839 97454 50805 84082 57001 47755 45917 62227 92855 73902
26974 85815 10809 00738 62802 28443 08732 86179 13076 94865
75615 07851 91484 22471 38947 21142 80886 42672 08659 99233
69142 96133 96423 93529 96640 51348 28805 88356 80243 43320
63033 02647 72750 08375 00050 93216 18142 98465 51989 63742
59679 63534 60575 90230 23719 80164 56780 12456 53118 46120
50430 12470 51898 93664 66764 92525 19968 52388 97640 44138
10483 82781 97128 62203 79785 90360 40233 14020 25579 15354
21191 22633 89186 85797 12990 24083 46718 29221 87692 24601
67483 92199 82709 12003 92578 35077 87076 61878 07332 69590
04661 32699 41410 01043 93212 29152 39067 41352 34974 92122
49161 61439 30166 41846 97419 44473 98927 47450 26058 33219
74752 64066 27699 51891 67234 27826 12285 50300 97787 50062
14393 01319 95704 04834 47882 89369 27204 79255 37201 30647
01617 45574 17716 22757 02380 74768 82988 10120 14403 69049
03166 88800 98886 87935 21555 67244 84377 51210 22010 25645
80787 98500 06351 55110 74722 01343 01796 76408 75209 68405
74438 32556 74179 98394 80123 12626 16395 66313 51930 24410
84556 73206 05295 11123 34259 70711 68528 61728 33342 98079
02286 31969 65080 29018 94840 91829 80011 36754 51031 73540
97990 64787 22670 55876 52563 73522 66410 11114 98972 25325
24785 61252 28551 58479 44726 73831 20270 28663 98592 03367
40630 87417 33949 26759 71730 58705 40166 23861 43599 59100
45779 22235 99463 21277 87134 36834 67791 83464 91512 49856
36332 14464

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02227 00216 40918 84509 38384 62990 66928 91898 00299 26073
38512 42496 68419 80629 66619 35481 92156 80704 67832 15101
29886 71329 88586 36840 72672 97298 74379 94399 67506 82968
46793 02057 99432 44797 93954 06613 67603 06348 64819 73181
44088 17253 46820 12391 70300 54757 64898 17722 34804 05507
40264 31083 69686 98839 44178 31250 99682 62155 06985 37044
16212 09470 28473 73850 76388 75215 51808 36452 77343 11248
08447 53434 46224 10380 08332 93857 53735 76433 92107 05102
07348 25017 15859 18977 46050 76362 41836 79352 15355 43615
15327 47730 51492 07581 15445 93436 30210 98562 01047 01431
78703 61967 02476 59283 21960 95975 89128 52283 78981 77371
18599 58193 11218 11281 26455 32142 22154 04122 71242 56799
55468 44046 37661 90668 70954 14920 64146 77560 53769 05632
59002 55917 04749 85193 24062 32354 57694 73021 17380 16370
43690 09488 22371 27791 45981 40161 79659 21693 89238 93667
38355 94876 07771 25879 01853 52592 04587 85090 73833 02525
35967 20710 69855 62992 65962 72422 27248 54814 88883 84387
83508 86249 95597 96479 14754 86033 39654 91259 92324 22903
20585 45069 25815 08958 83889 80501 57990 33899 30657 33164
33425 81787 30043 56902 70954 77315 49868 22631 15925 30211
74136 23878 18622 41451 29581 10790 64198 07495 94850 38791
16609 88224 26862 77742 67402 80087 33789 98000 77071

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03736 00289 04225 88398 56199 81993 50330 98532 11939 99892
42370 43296 36903 00825 03077 47899 82069 37615 66678 41899
81632 01606 74297 16300 24569 37382 28900 76748 20558 14697
88886 45038 37873 85189 59828 28978 90404 40046 25365 42829
62792 99503 66258 33729 84727 95273 09671 62485 54000 63771
15531 25513 36863 69431 08873 34611 57552 53269 16342 86373
68450 36898 88307 50338 36840 45455 60984 63049 94370 22276
73989 00046 71341 78560 20849 83027 12787 40184 63571 71864
46564 74591 69775 54476 67724 84021 74483 47040 95177 75826
27197 69316 23373 15841 83067 16047 26859 93416 53877 51435
17318 86425 98843 54773 80776 45291 92785 52761 38156 64342
14697 09644 34516 71997 27160 99209 91770 56814 66227 83989
55469 32988 16654 26810 12851 64892 59314 47176 26022 90775
25877 26843 93062 12500 55058 42531 57139 01531 88646 86300
65670 74393 00536 22661 06192 68589 78525 00422 67691 73374
69790 93744 88505 15386 18335 20174 35833 71525 63884 72640
10502 86337 91990 29177 09030 88586 04773 20804 17244 53972
71869 19204 91456 43268 20026 37574 59760 85171 38865 02681
10390 60696 33559 03857 82544 32466 11752 46763 88108 03364
64002 94856 45935 25924 46129 90563 09729 71732 97108 29856
44020 92702 99216 57748 08604 64136 01009 68519 43603 05032
51465 67073 51342 79220 62643 61664 14711 97342 88874 30285
12736 35927 51321 04232 95701 83890 69813 86348 47056 65663
87855 55717 96021 63192 40758 15135 27251 90258 38278 77830
33739 89363 93464 24402 50509 58060 46721 90863 97628 94526
32815 17643 09659 36145 15863 84329 12807 18679 13422 00035
32164 73177 83441 80677 49453 80643 73065 91159 87890 79914
94251 37526 77740 43781 79088 71546 80494 31452 25992 00396
41197 93463 22067 62706 28269 10058 67581 69524 97710 94226
72323 61035

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01106 00135 23484 10918 35144 87781 69254 01680 88246 50663
76567 96770 02585 20844 93019 43788 71054 94584 33979 62393
42223 36463 59982 91045 85090 53213 10754 59821 39858 34159
42844 91217 93231 52337 03831 86517 12728 91315 36641 97532
11779 14525 26146 66051 48273 36311 11185 05926 55053 75274
36928 28935 40313 14296 16786 98646 84577 51902 15671 51921

22312 78069 42476 04638 95265 69960 79433 51450 60207 90901
05542 70666 79451 58131 80132 82195 50950 13006 54882 76791
19692 04113 48700 69959 27065 31204 24274 64929 72871 77786
77299 38938 82071 85054 29652 99348 64447 42271 74630 51152
17233 70670 34542 47696 72236 73346 78727 82008 45578 29116
75084 85865 37202 47263 26592 17454 81289 27878 33356 73553
56574 00162 10227 24409 78579 82935 81828 16438 15247 21173
17355 71775 80714 92946 60028 25096 60202 47624

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01356 00229 24288 36978 19039 47906 53809 61441 90466 30308
65611 39023 92380 96282 12459 14375 44829 06786 60112 66557
77486 40129 85369 44190 29325 10322 59708 69054 05598 06527
24554 84225 37894 88282 54549 73444 45159 03159 17700 26549
24692 89057 40870 86304 56780 76547 08951 08121 12685 19902
63503 66884 13686 50350 04083 29839 86510 73915 30279 75729
16392 22660 68596 48588 20106 91285 72637 23597 57208 45315
80847 04222 09713 42113 13502 58121 48137 63167 80277 69163
23173 54812 22907 28336 00545 11836 56499 07392 25044 50195
75703 18612 46446 67017 44414 59090 09988 98457 21168 60578
79010 21658 17612 46667 72435 33738 44302 19775 71976 44943
94901 44667 94373 74591 58809 53670 83299 94297 62006 38248
98038 06915 17958 51384 31624 28845 71281 93818 35145 93410
15395 72895 27558 94049 22190 70165 93733 17334 75966 59656
42027 83497 70235 90116 21601 73534 74600 72455 83466 63507
58493 35000 57049 24128 65568 87035 47569 99667 12459 02963
11210 92804 54646 82450 37547 31067 67493 24359 61512 65981
77460 35847 72138 80713 38953 22420 72149 83789 76871 39233
58848 98928 10549 50639 53816 79139 39184 94760 03408 60486
32938 29680 97525 19690 13929 18720 65276 00702 97961 27156
64584 92647 31384 34864 11670 44306 37263 10426 83329 73117
89514 47870 58684 69742 39696 88372 02237 41018 32621 97482
85693 82656 53059 26209 49668 12476 14554 46299 14542 92128
24487 16337

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01612 00146 07780 04929 11738 04809 08520 06875 23464 95238
86325 09800 59330 21489 36277 86188 52510 55369 18769 29052
70335 24547 48915 24125 77898 49575 95560 49268 19895 39507
87894 02440 28897 82201 32534 89835 53407 17620 15765 20916
16594 52456 04094 93816 15099 84981 79764 97451 83050 74816
82855 55596 03639 16345 18297 74592 36712 41219 32590 57768
00364 09877 00572 46404 04251 93282 07812 22072 43439 36776
92618 58844 67857 20440 14689 60968 35522 70726 44626 73866
11375 46821 59261 01639 14285 78311 21396 12867 12411 51916
67564 79418 62608 35200 72057 99060 58255 55658 17771 85427
99908 36085 88703 79153 88718 95239 34891 59271 84800 20744
94889 02718 84791 30897 87344 30715 98780 95900 30082 47886
21776 10445 84668 06892 70883 67429 62843 80028 81540 94401
88859 12939 35249 76220 05604 65474 23401 73251 50724 28033
22180 31812 68197 01221 43714 98460 74041 01488 11564

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08695 00271 19434 42094 60493 74265 67823 19414 19819 15932
17221 81881 30621 31292 48953 62391 24844 95505 01590 03595
02017 28785 57869 92282 85241 32943 37431 94661 07749 32991
80666 40593 98351 83440 55562 18748 13935 30866 88731 13131
07495 24935 63002 69008 84771 77250 86338 39972 80410 57605
23142 50688 42437 99629 79280 70576 91198 55903 32197 55041
50418 20235 54929 30452 30595 48304 19150 86915 42558 83893
50527 55563 36293 52311 61397 14016 09469 03885 31372 80522
50787 47656 05493 32502 14558 57568 08780 02595 37215 87448
65591 14102 61966 17582 16559 41300 73182 43879 50478 17654

01616 99006 01104 30141 79887 12867 65759 56013 52709 38435
16146 13745 71420 43518 69915 51793 28506 03397 28665 48504
03248 17081 06803 95359 00636 73251 65643 85014 23486 50536
84003 07881 84464 59374 35107 75760 77983 25512 16106 89831
66883 33936 49183 04632 94242 63038 87353 09050 95147 24376
32411 13356 92558 75642 04032 32860 20375 52232 66580 60660
78846 91187 95654 99892 53326 48236 35162 31806 31352 19940
71734 45582 09724 34020 80739 40794 49728 18818 85086 33009
69641 74430 37637 02532 55841 39966 09608 43311 74414 19700
08684 11228 74770 40553 69324 01790 32815 22866 31023 26610
03178 14433 94214 56627 12980 59182 45690 00024 88427 88978
60438 83373 22519 38304 45489 37701 69405 31202 67382 52333
05823 06534 06257 28555 25388 71554 14371 01165 75851 94800
66770 42946 80093 62536 07908 76768 33457 46667 81606 65925
68549 97783 74363 55428 96967 80832 17501 47067 78829 48070
01635 09860 98461 99249 74741 17663 99121 01150 49458 84200
46682 63224 32221 97140 87744 80262 65658 33395 79907 16248
13792 79133 50698 74760

20836/19372/18493/17451/16166/15956 kHz, 17-12, 1100/1110/1120/1130/1140/1150 UTC

02704 00265 35598 16306 45682 83936 93922 71494 79630 20072
48921 14941 57268 06260 01358 48270 73211 14611 32089 97950
67372 34346 31143 15056 69156 71469 78774 09598 61258 10647
46484 66804 19648 44493 20060 47674 74094 13937 31457 64763
76614 45879 90057 69607 14129 15593 99946 08840 64138 30880
68792 25313 99949 90686 81190 63746 06786 12014 54611 65748
34912 56785 97952 22077 79441 34074 16363 66561 54265 75188
34960 39598 16934 24326 66462 37884 72190 66659 71579 84812
22922 70337 50550 85027 67728 50664 88671 53863 63373 65970
33546 44636 64798 64744 56380 34982 90850 52216 17407 26397
27525 69733 94716 55183 42673 72318 61010 15694 55876 79231
64452 91798 46546 83515 08148 83815 79091 26580 07710 99318
43181 83074 52630 45624 18704 21938 80731 48273 86745 81305
33076 66039 73686 55326 63885 50356 07785 49964 77876 59979
28159 94120 63579 95831 56678 95129 50553 15285 06558 31086
91563 61360 43925 58947 43081 89095 75250 45916 92670 68303
52602 61745 71313 90320 99777 17275 95050 58224 37469 88441
54103 54831 99996 11807 08187 24179 22769 53924 00915 48507
70470 73321 03038 61290 81556 09933 39101 28062 20613 79528
25599 64800 73097 01026 81678 74419 04740 84104 79955 90733
69259 08712 29609 26589 69979 81128 66183 12140 97082 73962
25846 69461 87425 58777 05089 89051 52405 18726 27431 22836
96191 74947 78946 63463 71505 30677 61782 81587 78249 38974
97109 71038 77271 61017 57586 88102 50928 89795 70100 95523
17709 12230 99012 68082 64169 45486 32870 72926 67385 70073
15706 66104 57477 61205 49715 91211 45645 75803 01871 92619
67929 17547 54099 00019 03265 20006 64124 15726

20836/19372/18493/17451/16166/15956 kHz, 19-12, 1100/1110/1120/1130/1140/1150 UTC

03916 00164 43874 70743 88268 36439 42307 34505 22848 19532
05857 91676 09019 10790 24791 69777 40118 84838 28834 22747
01529 67831 93892 08920 71418 45358 32206 24912 15428 89814
43449 97435 03357 60739 59798 16120 46114 07806 40562 72941
72528 55568 25230 31206 92675 53171 97702 21928 52124 88158
50882 55863 13848 58117 12921 70426 72585 88987 73397 13638
96077 30665 41506 88090 79330 89049 33036 02712 71223 68228
33731 02679 40272 01135 60962 57004 96766 96626 76028 79402
57871 24115 21539 72502 44877 00784 62079 27944 44463 60620
43478 08101 17369 01747 02168 90231 93479 28298 45922 61763
43250 22798 05882 73576 18853 42841 82596 50977 01308 87104
35091 55725 94370 79816 63896 05764 71797 32680 03628 58500
88947 96021 07077 76306 53016 37610 29756 82317 61370 22840
94535 58874 20928 10519 43229 30314 18201 74301 94574 62188

17746 52231 45633 47800 76400 07473 18422 31746 51086 37230
83071 42646 77499 51409 30445 56646 25174 77717 14378 77080
23147 89615 86283 26742 74328 86667 25553

20836/19372/18493/17451/16166/15956 kHz, 20-12, 1100/1110/1120/1130/1140/1150 UTC

09565 00290 10160 83830 99520 58102 90644 56823 76050 73853
06470 14254 11319 13724 14592 28013 19561 26932 13382 63859
46501 51457 23112 26696 43403 70776 90519 53446 12450 72159
97985 02574 43688 28027 82135 29896 59186 11668 37701 75578
82880 76532 03619 52827 02443 14017 73107 30278 55337 90505
56397 67459 25365 62536 59131 59064 09051 00131 55776 01680
65240 55082 77809 35744 61221 02361 32257 56555 50203 87682
53134 42030 32378 44223 79289 68183 35445 00812 26252 26529
34345 51237 50106 77818 36100 07666 93999 81989 88437 25184
57445 62345 85678 21208 67010 51828 55721 18533 68531 21744
12108 77349 54059 28456 45871 82697 33386 24633 45048 27938
47180 54480 51365 00287 81022 85499 02212 62581 70737 22486
15169 37961 00499 38249 84379 83649 61527 50519 82960 75843
30997 71371 91465 94213 23040 65761 25105 61640 47899 78211
22611 09581 14658 49309 88708 54042 72658 98095 65729 01315
84213 45625 68063 88168 69452 21518 41994 30424 42739 85180
10629 89791 29441 58110 83913 42053 79606 44705 32412 57213
93882 80584 69153 23377 00156 58888 68813 30788 38859 41979
14542 81426 92508 70919 25494 23662 49006 24495 15519 03762
31776 59690 55802 92536 36067 70394 85938 31341 28480 67499
88409 60199 46642 95419 78023 51251 96396 01842 29456 61061
03302 97174 58579 82682 77997 74566 31640 63376 20006 34657
45133 33324 51500 31162 58819 76823 37092 80217 39031 04093
12931 56946 74090 71682 30999 68599 26892 18677 20750 88134
88179 02045 70053 16179 85800 32480 76250 44191 88220 00219
27346 39066 88137 08449 64151 92609 29288 02886 33332 07840
35822 75826 12073 85157 70684 30820 24206 70060 44525 13693
45363 29989 77523 70915 75442 24332 93885 61573 80073 79388
03536 91840 85659 48667 55287 53714 21452 66525 53165 25679
93612 51660 56051

20836/19372/18493/17451/16166/15956 kHz, 21-12, 1100/1110/1120/1130/1140/1150 UTC

09303 00284 32859 22559 34286 10602 11085 54805 66383 23567
76927 38508 93967 11993 84403 61343 75925 52811 68715 36711
14528 21980 25161 43611 93887 07240 94222 39642 42919 17001
99692 75758 58480 82847 57287 63796 26220 97304 71156 57000
88626 27715 48885 96181 09890 36711 83688 40968 20240 83297
95299 90623 60596 01901 96598 07391 93741 20799 43732 24289
64288 30208 27703 23173 04017 59176 64595 51868 28707 66699
93549 23012 48432 71758 04491 16040 92177 39102 11744 33379
59119 48627 53603 16669 80626 96048 73245 91082 43826 74702
67780 42849 87130 21153 06834 52459 49022 05341 62584 71424
63161 98345 28255 87810 68747 81086 37113 17302 22888 89036
92327 86793 88572 46113 04798 49858 80727 04935 50373 36064
18895 44343 87204 70201 07768 00054 78217 02772 50506 78235
24043 40104 34895 05023 52576 01701 28691 37773 00729 02546
27900 08383 22192 58881 27292 55385 75338 48691 54841 88893
23723 44074 44535 78807 72876 89874 67343 48003 07846 09593
90725 94955 56337 71001 97867 03416 94945 69193 98548 34578
99474 12055 50796 17881 70062 02383 68726 09193 48537 80586
65750 88754 88229 73526 25947 94793 97416 01127 21644 56340
55224 06281 40815 13158 52344 09491 20288 35266 48203 12593
15864 22784 11368 38922 61483 79213 74550 72645 07425 35519
23277 00927 39656 66761 01561 86130 13010 41780 63462 11968
68909 17569 38515 98441 58864 77840 77553 34029 66197 87212
26442 89361 39161 52982 58255 97986 94717 13125 30305 74571
57486 33893 09401 81980 11728 55207 41270 20854 75284 36396
54679 30101 71719 87799 83432 69884 82241 94477 19836 67095

68398 29353 42252 58209 32028 85175 98828 98369 91932 96200
74001 38119 78694 53072 75609 23699 12067 48805 17262 15997
56583 28909 92228 58919 64911 02988 43776

20836/19372/18493/17451/16166/15956 kHz, 22-12, 1100/1110/1120/1130/1140/1150 UTC

02856 00140 99395 92256 50099 22135 10112 12907 96313 25170
27704 70814 77760 97263 63276 96857 70423 42165 14759 29604
42433 85945 01347 62436 66512 25774 90702 46194 82705 90372
95348 77210 28295 03213 01497 39562 12944 46324 73081 00754
68232 70464 81688 08740 30966 61676 31016 30627 42786 57190
22241 58576 63690 61525 02576 03101 90774 09590 44851 15779
31949 06570 27557 56950 75510 63065 45307 71373 34788 78385
46172 76733 76825 63579 43216 27633 70100 83670 03936 65521
33580 13019 99305 75727 37879 13859 72329 44208 43570 09879
17258 54799 84512 66111 22742 92068 14157 90843 96319 98354
48767 89728 34107 33932 68671 58642 19524 36488 02550 55236
69937 61051 93307 48864 79032 32165 96386 09248 15969 69586
66688 68404 30482 39435 46483 10455 47208 29490 34104 11945
64121 02856 64859 57309 45532 95331 90008 05988 01923 95509
37840 19802 26732

20836/19372/18493/17451/16166/15956 kHz, 23-12, 1100/1110/1120/1130/1140/1150 UTC

01297 00119 54108 77319 95133 11554 74444 26444 74970 58653
66033 38139 00528 19655 01971 45439 34018 03110 34053 78668
51083 38219 74755 59338 77542 42224 59543 13194 21913 98498
75201 76667 13873 88224 08495 68393 67445 96426 46512 72186
05237 91244 72621 39313 13068 22356 37532 06076 83967 20188
88844 55544 67661 07300 78644 85466 20368 56087 50520 96138
46272 81676 00862 64076 35424 74436 12093 46531 30116 41883
55465 82934 46225 60836 99661 22240 55400 58234 27286 57070
43413 60842 40320 93111 77485 16607 33555 29244 41711 12986
26762 67661 92779 05767 90555 60163 77933 74829 33634 22820
65207 10006 55924 12321 55564 64211 31066 23853 62654 73383
98604 99555 77783 34253 74885 30926 31363 44927 29255 82720
20755 49651 90397 53238 95080 81226 11712 22919 56408 15370
59221 70948 26280 63155 13153 10909 28531 19306 14436 85500
84728 18700 71845 40968 60093 77774 63888 70350 22298 05071
85004 83880 30854 42038 46455 47113 18075 01732 42337 22654
75576 11449 00740 49103 15512 21084 10555 52104 88031 35032
22611 29444 90518 05084 27154 33209 71761 94333 67654 82951
74188 41069 86345 83888 61558 41516 04782 20977 83744 94086
43955 59694 25998 39433 74111 23098 00652 64147 33923 23751
00748 01742 08614 19372 97060 33878 87487 04161 46616 58773
20931 30034 53953 33733 67667 20885 47036 88063 93715 16173
20337 37511

20538/19909/18662/17421/16246/15863 kHz, 1200/1210/1220/1230/1240/1250/ UTC

20538/19909/18662/17421/16246/15863 kHz, 02-12, 1200/1210/1220/1230/1240/1250 UTC

05132 00192 37924 50250 36914 96824 55472 30047 84981 76108
13406 39951 76159 82201 50782 86197 25742 10308 40439 12483
44093 15688 67088 28727 79126 45480 52352 84800 54521 60657
35106 52838 61872 34459 80612 23809 48907 01297 55414 46807
25159 28983 13834 82791 22574 25477 65827 86315 21366 17175
28985 99417 73216 65565 18649 08912 44715 85977 92247 89299
62514 42494 10392 26058 05786 95161 05915 29671 51025 89324
19719 04644 80873 51239 30242 95528 91919 18714 82122 52280
77921 17290 59364 70782 63091 19926 63621 21707 36818 88475
55363 37009 27023 22152 52608 04802 24171 09097 51605 66686
57959 29372 98077 85212 32276 45652 48046 45678 16268 60827
03453 35185 62748 08612 39520 69589 36381 13403 83722 98887
84794 17246 30282 99936 73574 91301 81601 89330 31030 80892
98510 49054 94228 13173 05523 63175 93372 96506 98790 88758

58161 42284 17204 60408 58113 17624 75599 11667 63754 16753
74672 76929 66037 51302 44721 10561 50086 29862 51461 03389
02629 36451 60304 66164 62777 29111 76761 23792 54356 48315
31733 75946 45233 93791 28239 19113 45967 69333 74328 02017
11402 58341 83811 85657 99354 85048 99041 31942 75915 36100
45447 27953 08852 93308 75610

20538/19909/18662/17421/16246/15863 kHz, 03-12, 1200/1210/1220/1230/1240/1250 UTC

01337 00107 34957 73919 20287 44400 62698 76750 86103 68283
68000 38783 09954 08069 05401 59240 52673 71684 99810 87562
88582 14994 46287 72217 82110 17292 83512 76842 21730 36032
55393 66481 31966 10050 14784 65716 47876 29686 01939 12078
26431 18456 09216 62293 13299 94392 44024 72555 44115 18862
89037 84531 64521 68079 47749 62038 16664 54655 36148 99899
28178 02540 63250 07876 21415 76269 73145 24974 38248 04547
10137 03921 39943 21797 58032 39935 20887 62765 85660 48816
86662 20703 14679 21076 93149 02438 40866 54164 65733 49977
28146 45271 05428 06903 89420 46804 12755 69302 02443 01442
89939 33831 77120 87871 12973 54989 32376 12361 20984 40345

20538/19909/18662/17421/16246/15863 kHz, 04-12, 1200/1210/1220/1230/1240/1250 UTC

07217 00238 44241 86714 38776 95792 58871 88262 19338 01755
49761 27411 09811 65433 94093 35485 88247 61158 14141 11122
46316 08738 62653 27334 44952 52672 13251 24076 73871 98619
37778 07891 82016 39031 76677 05133 66478 35571 46158 42708
97202 71097 45564 17322 74326 05083 78143 83441 25597 91416
69471 44031 10169 54025 82810 18357 90926 84339 43129 23991
41258 30279 50562 11991 11631 51527 89332 78442 71543 37408
14989 35832 25091 67134 26464 95107 76546 30549 29010 11636
66155 49230 73855 50527 61732 26362 89831 05982 47132 91465
15360 49733 76611 74544 00703 89312 12710 26227 07655 71014
45014 18322 46601 59409 12273 33155 69168 52569 33902 40540
86922 13271 76875 45925 23816 83149 28756 00836 29752 65157
81387 48864 81789 98304 46562 36389 31670 14971 21298 11852
82102 25753 84971 65078 49592 33671 17750 00558 57333 71571
61178 86189 89932 06460 59592 75154 18855 06072 48750 67912
07976 66151 25537 00382 46636 72995 96934 48098 34569 82480
53198 30518 47291 65283 19498 91047 48099 54050 33904 62542
20558 69108 10134 66395 14789 70352 75515 42403 63068 22657
98680 83751 65681 54970 31359 84097 53772 89607 05997 07242
72854 75192 32785 28852 67809 82478 12579 34234 38783 88034
28625 93756 50301 16081 85508 80070 91036 25319 96679 35771
28116 63537 93046 30948 62991 19715 32258 10869 89030 65116
35385 99294 76484 60564 31240 62594 57652 79498 27812 25183
60562 12889 73349 99856 65571 52027 10658 42020 51501 94322
76540

20538/19909/18662/17421/16246/15863 kHz, 05-12, 1200/1210/1220/1230/1240/1250 UTC

04628 00080 88786 27226 77045 75805 30000 56630 03307 30882
74803 90950 83720 88761 61716 32871 77077 91961 46031 76119
53165 56740 61243 13940 68056 00398 61675 36322 33564 34600
36713 63595 32853 54480 58726 23303 54384 03548 00377 15939
89895 49440 49559 08903 29099 55855 73015 66430 18034 14786
26896 89809 89983 08402 44502 39658 07183 04046 67332 19104
30751 80873 93329 07052 57945 70170 47515 00575 05307 34141
38678 50394 78179 27268 92302 94972 38656 61729 07527 14614
51451 14558 00671 81503 19978 26020 48726 14135 15248 91719
88583 62779 53333 23319 40141 57589 08931 52889 96340 71705
57615 88177 86878 64038 05510 87643 39334 32882 70100 27553
31424 92407 00733 92535 45200 93507 01100 24184 17701 53861
01209 79324 66326 00721 50793 68195 65897 99002 20937 44441
56545 83263 88478 08357 18608 41319 24689 09348 46373 45247
50879 58450 60170 41678 14862 46874 88833 14884 14610 45568

28465 00245 88712 81648 02837 66658 80380 83282 92325 06681
28067 00099 44766 86894 48820 86585 90635 08710 72287 33867
58658 30959 36340 47315 88786 16945 38819 03151 99007 18883
60708 60886 32667

20538/19909/18662/17421/16246/15863 kHz, 06-12, 1200/1210/1220/1230/1240/1250 UTC

09909 00298 23077 54231 53938 75594 52522 33940 82119 05512
81222 69000 18114 98753 15642 31848 28466 39296 33748 00969
17171 33809 41538 33350 95888 87261 21145 56642 91191 27444
55360 59373 51187 39163 58011 83866 12725 56541 54817 80328
26729 76142 10681 23921 54747 19852 78565 55428 96009 56784
30002 77346 87523 25946 78641 94442 40808 67448 61849 21877
08437 33583 33833 77437 30440 51149 85662 55533 21513 22411
36503 83222 22195 75007 11184 14417 15014 10732 17301 99556
63330 05651 41750 72833 67675 49065 29530 80725 53118 09803
60020 86676 15109 44332 65577 37495 41008 18222 14963 01112
44377 13255 11611 95927 63010 25035 16250 87227 75551 07744
52856 15174 53885 59003 22540 06319 56600 87788 26481 37716
16660 26335 52078 77777 72220 67736 37258 81577 13211 05684
59038 84395 48072 70581 51885 49090 00770 46768 46533 11384
00888 40073 93395 31167 00886 86553 24150 01806 34030 03570
00703 81810 85531 41884 00005 51586 49744 17101 83808 78626
85530 88758 66055 88199 60776 73117 54227 83345 29615 22330
97729 87872 46673 22887 44736 73612 50707 86018 13611 53883
83455 49452 41736 40503 53686 18611 44674 25052 92203 96337
46646 56504 62256 93885 80074 29555 44235 66309 50906 60723
66488 46095 51840 19781 10888 80007 11120 60341 97344 31504
62811 59560 45812 39633 15272 46336 74860 83194 74655 27111
44073 10088 86003 97203 98785 66668 65222 22229 82226 13727
44461 56216 43992 33760 74916 65622 20433 13427 50064 53383
76009 05803 90074 38540 88484 64261 32886 50224 65587 50111
66773 92063 52280 71109 34193 32629 61154 63045 29609 32660
38018 04840 66876 31644 31645 38109 06724 70872 03440 61944
26226 22654 23959 08528 32911 86230 19646 43342 44329 64949
76652 97008 60043 37565 64093 88616 45653 52017 73375 43986
99092 34613 00844 01518 16297 30339 49756 44839 95887 64825
11054

20538/19909/18662/17421/16246/15863 kHz, 07-12, 1200/1210/1220/1230/1240/1250 UTC

09007 00277 19921 72230 06319 95437 05292 74810 91518 26080
17597 67336 75868 56003 24131 90226 24526 30315 91453 32933
56047 75278 55063 20594 53844 09608 71991 63049 77530 31810
36087 28606 79291 46057 89106 77540 90494 01028 77981 74515
71341 35910 43207 65350 36869 19289 32383 87971 51813 44904
11011 13640 42026 20379 96534 27625 60247 12171 41477 30651
40215 56669 47393 30655 08654 71761 10111 57081 55577 77533
34191 54667 38957 35278 69739 43876 06438 68195 11308 65904
15757 37896 25907 73661 44216 45653 83834 49964 90133 62330
29399 72582 80367 86552 74921 43980 21340 90937 23046 87454
96803 89074 32779 67968 86170 44552 79430 62212 99184 96249
18766 24108 43557 48472 44849 94320 81161 91767 20227 54610
11515 60277 81890 22938 20790 32563 47129 65904 89089 11215
35227 03612 44532 09604 72899 30898 19410 95948 29880 43669
25277 06324 04621 40333 59111 73085 93206 57639 31708 83676
49234 23160 66474 71555 73030 32133 37320 00963 15033 66051
67118 19930 02736 92164 62913 12603 62626 55149 01653 98763
44404 38987 82893 86560 30763 55484 35069 17572 76361 82614
32059 36769 83034 22102 00733 77155 28340 04475 40884 36928
50693 24722 55216 90633 77447 01989 17869 22307 67240 97715
39691 85123 14831 87614 67656 05047 24736 10951 61166 18931
21579 63130 25641 76569 87197 45984 16635 08040 88649 15759
43232 40594 03289 68380 96161 91606 98499 84301 92199 46753
22840 81513 24524 28380 15270 65177 33174 79091 69168 57857

63941 69133 30840 83787 28373 23585 96690 04667 88767 60769
29985 89218 33273 64939 46019 30797 16882 97832 01473 45921
21365 59891 71336 74453 96508 32374 81575 02237 08925 98106
91482 56272 35142 66586 42083 06259 40204 77659 30413 45614

20538/19909/18662/17421/16246/15863 kHz, 08-12, 1200/1210/1220/1230/1240/1250 UTC

08712 00199 10876 86670 57993 93991 97047 16534 71379 94406
00541 68504 98835 38394 21223 33104 58920 81531 31585 92915
90454 97317 27558 09527 34081 06464 14944 53371 17458 65995
96742 59643 23776 87013 66815 59495 57414 46428 57948 80790
85768 38596 54788 58521 12727 96327 52596 90730 51562 19053
94478 57488 64210 39818 51216 07006 96898 17701 25944 08369
21878 82318 87429 96339 51706 91775 13404 78110 84523 50654
45063 04708 64666 42381 15230 16571 85220 62763 30023 48858
27842 92762 38089 11350 24747 04995 27098 16891 35140 50122
35256 70462 42709 58198 42346 63241 02762 75421 12176 17044
79147 02899 47052 25171 03886 21574 92794 10282 57537 42654
56334 40375 86040 19000 12245 37512 94939 29450 07533 96126
41542 24870 65255 46747 14500 47806 66257 88506 81743 45079
29644 06547 55703 93677 51689 07066 96114 70707 13030 33603
18393 03754 26888 83666 95696 20376 60924 13173 32254 55242
97934 51331 90088 16536 52833 73141 67857 80588 90863 31372
80977 79606 20824 22519 11647 44199 59413 68089 94426 91511
16171 63402 37701 25798 31620 76487 38088 87696 23966 17403
34637 99974 09638 47822 59725 91058 02353 92708 98956 37671
48188 47378 88384 75109 29833 69261 25333 10468 29920 04008
75589 52074

20538/19909/18662/17421/16246/15863 kHz, 09-12, 1200/1210/1220/1230/1240/1250 UTC

08438 00298 49627 30618 70376 77718 46013 08594 91277 57272
80839 09816 70555 78586 44668 58590 95089 37713 19427 96719
72407 33244 23906 20652 00355 50499 80492 70905 95370 70454
89199 68952 39245 29979 10602 57648 46840 99405 81471 02818
70663 83163 92468 71846 24910 05882 29460 49212 57866 67794
94355 31452 24241 97764 78620 56353 28933 85917 25689 14456
99156 07150 67819 45902 47691 22729 02784 37363 03410 56485
55322 13244 89959 39076 61272 03586 57963 49563 94924 04817
56718 33501 77478 00324 44346 21021 65311 99779 13445 20233
90562 02356 13395 23269 13523 19884 19681 59780 65207 89592
87532 65330 04505 26479 26453 51455 14956 34364 06480 20155
15799 13906 50788 65932 73829 62651 59993 66955 94299 98694
61728 86593 97491 51842 95383 20930 86614 31614 91926 10374
89174 08995 87195 20347 34702 86021 27182 84973 52766 29073
17890 32145 47672 16367 70512 06039 95390 58188 53418 86035
66395 01779 71756 93766 24481 45423 46773 21330 41381 35959
48363 11581 46534 14913 79462 10577 85929 62041 06516 75049
96812 44741 16703 87248 84502 04205 50178 27704 25530 48477
93561 51781 01695 04021 09205 38198 29425 24563 19993 18679
98267 00507 69709 16332 59380 00364 41408 36855 29486 12802
45343 94456 97953 45725 47880 64518 81230 98968 82395 49951
64648 76537 59268 74654 65046 14826 75002 35842 23593 80618
93405 03276 27279 99244 26121 30108 17747 41942 03080 40893
98266 31281 02195 40805 80713 85327 21178 25184 29021 72125
41845 81027 78019 80302 99063 90406 64162 03720 15806 49833
68096 51215 86061 26388 53101 40998 01069 74107 90561 44194
75058 36981 41325 66373 85218 47586 99051 41485 04383 87314
81355 22964 51012 40810 51512 42480 64347 86598 12830 93168
79109 75131 08067 18634 85829 23113 00893 62340 24288 21269
16719 11916 43090 90120 84131 33936 10522 33691 53186 84289
25201

20538/19909/18662/17421/16246/15863 kHz, 10-12, 1200/1210/1220/1230/1240/1250 UTC

06284 00217 50134 21837 88595 04024 16367 85288 02100 22432
95840 05271 93694 86565 69047 56483 70604 67957 23469 66261
57775 05375 30333 86548 07092 24350 83877 02944 13103 29020
01870 77742 61876 91663 57007 65960 33049 75169 35417 95433
03494 30803 17149 30479 40969 02927 11529 98096 66028 53024
80648 03893 01622 01840 49502 79784 71778 14138 69155 50807
44519 95621 06056 94830 50563 58946 61600 36589 68827 98596
12491 39984 05154 99053 28934 72283 62074 46786 36749 06288
08054 22054 17147 75419 22189 51544 19393 82431 15245 65271
41185 86168 17602 13108 41098 79733 08829 98544 21850 48113
34287 31207 89837 28413 37666 33583 88599 56055 86466 23477
64080 57523 05369 03832 68954 73003 08807 48684 80715 22876
84141 75433 27583 27295 17994 50701 45344 66380 93251 04982
50914 14206 77419 74147 53386 84473 01976 35193 14223 18064
63516 26055 60475 58755 12115 11154 93726 75804 75646 10467
31513 41455 05405 22118 09617 56744 16481 88692 51253 21583
88377 35337 73904 40597 35292 86085 31816 22717 35314 12218
16519 25448 64474 65841 23324 82041 64904 75713 67220 80577
63796 82360 04932 15437 17614 41015 76374 27945 42012 18808
36296 97551 71113 41299 45072 96592 62022 13414 51428 20988
05904 75577 32625 41881 07044 21880 86711 02984 57741 25173
11067 34461 67768 65514 12045 20621 79048 76037 58367 11471

20538/19909/18662/17421/16246/15863 kHz, 11-12, 1200/1210/1220/1230/1240/1250 UTC

02681 00169 13795 48188 38729 78492 74779 13053 93471 07728
52776 71985 50115 75003 18659 03018 91117 56001 93197 92214
47797 76286 31895 49040 05984 76679 71873 23239 83148 85142
02813 98959 00488 22053 16641 63595 14249 52734 44649 89356
64511 35406 52998 58083 94718 69242 70939 69026 97779 15763
08426 17425 33978 43601 67723 17917 12611 85767 94873 58994
88646 31284 38243 07869 85922 28988 37069 26147 73813 01443
70396 29424 52301 68651 46382 57781 04550 33006 32802 59807
25828 16570 51513 16898 27588 28366 58718 55279 68391 16660
81825 59046 23805 64437 63001 34676 52657 30453 65807 30245
72394 50701 03380 06321 59891 05038 32129 28702 32342 32996
66929 74373 90428 81187 19208 36367 85062 63822 85973 28154
20015 74845 10604 39791 52869 69565 44725 75804 24471 88920
30148 02429 88290 62446 80649 17151 79361 42335 50616 31464
54451 23747 21911 85576 48091 73586 93405 35749 05963 31508
76799 63433 88878 96857 27085 98468 68599 35508 00400 26273
62025 95930 89757 03984 31767 23073 26621 37239 76100 02839
96330 26250

20538/19909/18662/17421/16246/15863 kHz, 12-12, 1200/1210/1220/1230/1240/1250 UTC

06476 00110 81353 40979 92825 68153 53846 73614 73784 53929
74345 62499 16334 52986 14822 65070 28956 09480 58713 19339
24168 36119 11797 36873 58071 37790 61687 76373 48299 31840
41694 44454 69112 95819 63039 76087 28296 54643 32726 56179
82653 00206 84572 76246 48485 35763 04299 92755 42675 86009
84614 98899 42566 31672 49781 22737 65775 67140 14750 17901
70284 96891 70422 95810 60170 01179 52619 62825 99222 09521
68805 68574 74096 54226 67551 67949 16963 63562 87088 49267
66264 83298 89082 05350 19698 86676 75373 43314 30673 87258
85655 79386 26521 36248 62207 12959 14187 28726 40552 64350
25771 62583 40784 85659 58983 67680 69356 56370 92882 42604
17865 35945 60422

20538/19909/18662/17421/16246/15863 kHz, 13-12, 1200/1210/1220/1230/1240/1250 UTC

05259 00212 03807 42621 87196 50598 37062 94803 52009 84378
05728 16410 34882 22278 03595 67098 16808 79870 28708 03286
52588 68872 35528 66703 23465 06583 25112 80820 80156 63513
56234 28837 03920 83299 67585 21809 71458 63880 00551 50857

30516 71371 09840 88343 54489 41960 13325 65391 59060 13152
67411 86722 51770 75583 35428 63877 00433 48007 08165 31353
58319 02125 47941 56436 83403 54874 40332 27332 26952 28650
77994 14273 63470 44528 83004 24880 77377 60380 84596 81148
82462 46852 65466 80703 30610 36045 02492 43653 00863 30927
74114 75368 65492 30432 54261 21076 27768 51244 89066 56838
26600 32482 65685 97806 28883 63605 52674 61745 36328 33007
88876 36765 96437 38859 80352 65790 23537 63800 93086 71945
45518 85250 89763 50160 80749 49495 46245 78448 12302 05350
70237 47014 80205 26305 75779 67629 85897 44971 07390 09350
32302 13440 70725 21321 87695 92778 64125 62866 08564 90036
85032 55352 86753 38469 83650 82855 91288 03700 09347 41921
05447 69533 25893 63762 90468 09175 63745 37702 08477 30400
14391 91767 68776 88349 95531 16783 85064 20735 20036 30607
57800 58979 33817 07034 90086 83178 09628 25858 30032 82865
50357 56043 26288 36535 58540 80656 63403 86042 63326 78058
06618 65859 59576 82068 76009 15382 08165 06116 36556 68558
48460 54528 02018 57805 00023

20538/19909/18662/17421/16246/15863 kHz, 14-12, 1200/1210/1220/1230/1240/1250 UTC

01369 00236 95047 47586 04716 06802 84537 18256 98040 16216
63243 10690 03958 40766 54916 24204 34635 42005 01356 69456
19551 13181 77647 56603 29605 31440 20742 39124 10298 35870
93414 13497 08678 60223 65362 17722 82641 96590 04143 24501
22643 49792 45278 72259 05213 23929 71609 66206 08576 42365
02911 70401 00595 28172 19199 29558 99269 52592 61295 93613
60634 10029 84921 17800 03256 06139 83412 93928 42304 12084
24603 38174 49730 50792 78516 70214 76387 46379 12183 54909
04067 39445 35926 75956 87900 56681 30214 36703 42825 52926
95441 34952 62632 33882 08821 58745 27411 75800 97186 16592
14105 07125 57499 98414 75773 37959 92723 86361 04555 12187
31445 66361 37636 29261 24794 39211 05176 77267 12647 37283
20574 83402 64150 86869 46580 98321 57388 09337 33230 61139
69598 64774 90297 91360 82585 14183 87924 61392 52687 20360
57430 43637 22835 21940 87344 65603 01577 13620 24910 23225
11852 73983 86507 17054 95738 38232 33452 82950 73782 58949
42675 54478 91660 42088 88556 67812 58747 06606 47170 66187
38050 67009 85343 03189 85924 16750 95049 68230 35518 84749
24288 78819 99509 25956 21886 39845 69358 43252 79140 49515
34277 16415 79452 05914 93428 39472 33781 17686 88094 75610
80476 00983 22782 32630 29046 02481 83264 29011 18744 50160
58208 99905 85075 89140 32429 41591 00875 91185 30963 57986
59666 24913 73995 77216 77296 33794 62635 03212 41047 90905
84728 76792 96066 46634 35192 57817 33646 24448 13447

20538/19909/18662/17421/16246/15863 kHz, 15-12, 1200/1210/1220/1230/1240/1250 UTC

06954 00160 18157 15919 82754 70127 52390 52936 97559 93120
27487 29936 19137 94241 96659 07165 39925 88417 63664 95289
51601 60986 58372 20988 09075 59000 55360 22818 88642 80932
96399 50945 79881 94670 91890 13547 50680 91374 23450 80733
33133 77497 14569 73082 71928 67281 16204 28242 17492 78753
49915 13856 04575 52427 81551 06900 89747 16152 90782 61746
43485 34494 43848 17003 81897 84734 89536 44893 72107 61291
81708 34507 96156 57584 68165 59811 61825 72452 99823 11542
86344 00042 36380 88899 23964 60824 34393 97375 61928 26915
32650 46708 01708 93351 04142 03772 90771 17898 29385 54949
93405 81229 19088 94097 14468 01287 64272 66612 95597 29505
03977 58725 68352 77352 37867 68495 16226 34597 88466 11079
55972 24391 63864 96089 22384 53206 48799 57404 81580 40726
51187 32036 92337 86878 21940 06579 56931 36826 26044 58212
71034 31776 76241 32913 17606 50595 23451 35687 28158 53631
28070 05979 35724 32727 76141 26010 13272 32641 86994 60805
36354 67667 50340

20538/19909/18662/17421/16246/15863 kHz, 16-12, 1200/1210/1220/1230/1240/1250 UTC

08695 00271 19434 42094 60493 74265 67823 19414 19919 15932
17221 81881 30621 31292 48953 62391 24844 95505 01590 03595
02017 28785 57869 92282 85241 32943 37431 94661 07749 32991
80666 40593 98351 83440 55562 18748 13935 30866 88731 13131
07495 24935 63002 69008 84771 77250 86338 39972 80410 57605
23142 50688 42437 99629 79280 70576 91198 55903 32197 55041
50418 20235 54929 30452 30595 48304 19150 86915 42558 83893
50527 55563 36293 52311 61397 14016 09469 03885 31372 80522
50787 47656 05493 32502 14558 57568 08780 02595 37215 87448
65591 14102 61966 17582 16559 41300 73182 43879 50478 17654
01616 99006 01104 30141 79887 12867 65759 56013 52709 38435
16146 13745 71420 43518 69915 51793 28506 03397 28665 48504
03248 17081 06803 95359 00636 73251 65643 85014 23486 50536
84003 07881 84464 59374 35107 75760 77983 25512 16106 89831
66883 33936 49183 04632 94242 63038 87353 09050 95147 24376
32411 13356 92558 75642 04032 32860 20375 52232 66580 60660
78846 91187 95654 99892 53326 48236 35162 31806 31352 19940
71734 45582 09724 34020 80739 40794 49728 18818 85086 33009
69641 74430 37637 02532 55841 39966 09608 43311 74414 19705
08684 11228 74770 40553 69324 01790 32815 22866 31023 26610
03178 14433 94214 56627 12980 59182 45690 00024 88427 88978
60438 83373 22519 38304 45489 37701 69405 31202 67382 52333
05823 06534 06257 28555 25388 71554 14371 01165 75851 94800
66770 42946 80093 62536 07908 76768 33457 46667 81606 65925
68549 97783 74363 55428 96967 80832 17501 47067 78829 48070
01635 09860 98461 99249 74741 17663 99121 01150 49458 84200
46682 63224 32221 97140 87744 80262 65658 33395 79907 16248
13792 79133 50698 74760

20538/19909/18662/17421/16246/15863 kHz, 17-12, 1200/1210/1220/1230/1240/1250 UTC

04091 00168 70534 97068 92202 01666 15594 49923 52763 44734
42522 73192 84681 25689 97722 64568 54221 99367 17905 16951
98834 74295 27416 31472 22918 27771 05059 76874 47304 32831
01128 69752 97585 66829 72628 58864 99360 83772 79355 72558
63643 74943 81102 93876 39101 88170 33288 53833 34233 68335
33784 72634 83130 58226 64542 86764 05717 95330 37584 02838
85169 88356 14984 35060 94913 89692 57476 53118 02879 97540
42229 35920 91330 30128 94879 76224 12298 34182 94819 98565
95450 03522 73789 79446 88308 55770 81565 55688 09864 67012
94007 02465 46724 67033 82556 80652 74551 30594 33923 42628
96673 69438 95947 90100 51180 53221 64463 18824 35104 74553
31512 74868 36212 51216 12967 00133 07788 58235 60130 63989
51481 11842 73437 69337 78859 11550 60347 83866 39818 35764
79501 63990 06336 70959 31673 70776 53913 64220 54965 76451
26271 63874 65124 77109 28643 81916 06253 91196 36584 92628
05358 49732 43603 93684 65146 62894 65726 53679 03872 99455
66772 53992 10795 86347 67893 26416 68347 08900 24647 95813
42316

20538/19909/18662/17421/16246/15863 kHz, 18-12, 1200/1210/1220/1230/1240/1250 UTC

09066 00162 68035 46131 28879 06600 90584 70054 93023 19314
05200 05894 06883 52277 34301 87748 01470 26463 11003 22076
76540 41281 36404 91190 88445 03268 66760 25055 15550 48064
00088 90090 07584 68601 21449 23833 24428 44870 13053 10503
33340 96776 61777 53319 19990 80887 27805 23919 77014 86288
87302 55551 77813 92635 22111 48841 28918 43770 13444 19975
60845 55188 62449 87538 44823 87008 48083 18442 92883 77770
11588 10606 54883 52687 82007 33075 18887 23081 12584 42946
60020 81215 70844 63810 22666 68253 05508 07677 00944 04047
13734 33264 17774 14654 86049 11235 27781 78244 55936 11182
66206 32221 00811 11857 20027 36677 81208 54606 36721 45613
13418 33123 66453 08934 73883 73883 78335 55002 13460 61101

56344 64771 16285 71116 56694 58288 50777 15778 16382 40402
21236 79300 72995 08314 12115 64770 32144 48333 11770 88321
54451 88088 21606 30331 23312 85315 80453 89445 66606 15615
84928 11220 22810 36078 55995 47341 49357 40171 65222 27302
33929 35064 57817 20355 66657

20538/19909/18662/17421/16246/15863 kHz, 19-12, 1200/1210/1220/1230/1240/1250 UTC

05014 00117 32286 69930 55472 51896 72410 68427 29664 01439
36176 71969 08953 07179 75768 69822 46402 11753 58726 39023
30742 88489 73644 34932 99543 88404 68599 38983 27855 21273
99704 34313 03432 97751 54199 11081 65765 61455 95843 93425
44768 48702 23406 56786 82191 96660 86826 17081 83423 50877
25667 12748 71104 55134 76867 58966 98997 20154 99504 62487
98429 67982 33089 82121 53695 80821 34097 04690 50331 58715
30171 52561 58769 83118 46216 50370 93668 23371 79985 62632
27621 67906 59761 11086 59390 46469 24957 27451 53206 81263
42776 23626 93214 19289 37471 26222 34835 96284 81291 11165
89469 67064 50393 55865 47331 25559 05673 39148 15638 77265
62510 05056 12463 04669 53473 91943 42893 80562 89676 21111

20538/19909/18662/17421/16246/15863 kHz, 20-12, 1200/1210/1220/1230/1240/1250 UTC

08136 00258 18866 23900 08264 00828 60603 90543 18289 81921
48265 86827 45961 01837 18488 26366 91614 78945 22278 58669
62659 64483 13158 39824 11474 95792 39760 65017 33103 90684
60428 48800 07459 16551 78740 80335 88846 35485 86016 68511
35176 73019 44451 29096 61602 18674 94211 37078 05380 31494
78655 19055 86260 02338 48205 18798 94627 17660 36520 32689
18019 86594 31166 40099 36634 83901 82997 03439 41626 25856
32796 42671 46585 12196 05794 19471 35448 65922 76725 85865
03995 75755 58957 81198 52968 38545 50711 05481 17477 97146
64979 73302 80288 41847 36387 88088 67088 11913 62452 14482
88673 90101 92316 19407 31600 02756 33360 70359 10903 49290
10309 61662 62548 68718 16916 22666 10744 39373 54622 85417
51019 50236 45991 55094 65982 69798 77491 90659 27009 05606
24560 01293 52348 60982 58502 94981 12625 32780 77713 94522
05880 49441 52371 26085 42174 80362 49760 64811 47365 43901
33668 83032 35726 65765 77871 69420 41258 02082 23587 88099
86353 65951 88838 22246 35832 41992 68531 77711 53563 35205
67635 38839 55935 03511 45120 00108 99946 92187 88426 03213
09080 05424 36949 55566 81742 60950 77068 98035 37834 28920
47555 82663 06827 56260 74112 03390 71645 92410 61495 79668
55312 96325 59656 89377 21153 69165 06714 17515 38265 74936
75985 44776 04774 81504 14114 39506 20808 57860 70755 81417
58885 23741 58613 96799 03997 07666 24330 31955 10445 83616
14526 29814 57179 04200 77248 08548 70494 78178 42719 38644
40518 42146 34436 53131 22515 49145 12093 65210 56714 98444
86331 14353 41684 14499 91026 55476 64605 48672 21685 39863
15276

20538/19909/18662/17421/16246/15863 kHz, 21-12, 1200/1210/1220/1230/1240/1250 UTC

06756 00260 75139 72102 28780 50645 46099 14240 01809 14785
84208 85295 00993 15137 20792 00799 12886 93010 62280 02967
62303 76288 88204 72023 75021 97992 71012 88758 20132 70232
71630 02193 07360 78075 95530 73703 85564 54711 67718 56524
90483 26322 75054 41724 20858 17345 08454 81621 91594 16264
39382 81892 53862 80416 24405 15917 45601 05635 62706 62865
11001 85320 22727 96841 33150 07438 87256 24682 52332 35426
94341 70401 10941 59264 50926 10836 53169 44738 29571 42927
32771 94180 72146 78256 12872 54201 90652 25459 92931 97103
60456 14045 42061 66613 24657 82553 72165 85080 85994 62224
31071 13978 98417 20412 15705 74700 60300 62453 56301 90822
58103 74913 66962 85311 96876 41796 66474 89272 23316 97672
37602 99339 57056 91114 92689 63606 75962 99445 85977 52756

86532 00816 62261 07327 07665 33814 35138 10531 91289 53266
79586 19878 72672 01880 02007 84760 00247 40377 11744 64569
45456 49408 61178 69107 97108 94561 48176 46682 56380 09067
62589 64476 03793 89403 03372 34298 93984 13380 02911 18452
05027 39755 11487 74842 56502 74160 49778 42600 25728 88044
69927 39099 98141 14602 48840 99313 93614 40494 52601 33216
41020 81527 46950 51006 10666 11726 56149 83406 24220 93005
23155 44359 64361 74461 27943 67457 81664 25685 39810 81602
48493 43718 60870 48619 28508 29845 51433 07639 87409 31005
95409 52311 55353 45440 71320 53514 18785 97337 73514 34864
77508 71194 26269 68403 72073 36187 04867 43607 75385 00927
49837 46874 10324 78685 31425 18112 26902 15592 74966 72147
24064 35675 64641 41292 22767 82868 97740 86269 69836 37441
59224 97485 61211

20538/19909/18662/17421/16246/15863 kHz, 22-12, 1200/1210/1220/1230/1240/1250 UTC

02335 00162 27010 39336 50964 13870 69676 10101 72964 25623
25027 07630 14646 20248 37318 21321 56647 19405 44890 36401
12139 41844 93414 58164 36294 89314 66309 34243 00056 00655
54858 50291 48798 30421 05734 26633 83769 17714 22338 13072
96445 97416 94952 10096 52278 72342 95804 29319 43645 83717
12107 73667 73087 35819 17992 26729 44271 63727 93631 02771
34625 32185 05473 21270 97649 80581 98005 08017 42976 49909
90071 57127 36376 25312 41096 78985 80482 88289 27743 79104
85874 79014 78368 21447 32410 73668 86837 32744 98142 33151
54730 60677 42426 10995 04097 51096 31142 39431 25960 64871
33200 04765 40704 21993 15683 55491 12373 09042 91876 27928
44849 87375 50844 26073 20474 06821 75206 64884 35396 82334
57285 40008 18157 98787 78120 76515 73575 03452 63893 43716
04456 75978 74951 83407 54261 49286 39444 28918 44665 13385
19731 62832 73014 79508 93213 17510 06334 31137 00591 03517
18205 76699 96631 19761 68127 98303 81348 14387 65238 43270
05900 36925 93561 72149 40432

20538/19909/18662/17421/16246/15863 kHz, 23-12, 1200/1210/1220/1230/1240/1250 UTC

07272 00271 35353 25355 93760 28782 65335 21783 36722 80159
03799 68453 10452 82001 18521 25432 26182 37349 36151 22203
50148 27576 04030 49528 18507 46009 02496 25600 51679 95746
36012 74063 57485 79068 82513 92818 88545 42279 75065 87811
95068 10883 46984 62021 46370 32865 13698 37954 33434 16128
67506 21354 92231 19990 82477 02038 70679 48525 14315 11013
16210 32725 01077 85447 23638 49326 91896 08475 20365 03636
56640 80825 39456 83007 01784 10988 03961 25488 99111 25706
73565 49798 71945 09844 38117 09661 62921 77306 27400 80751
36352 81394 53172 51738 26881 64108 01058 99392 53351 95775
72478 68535 49304 32683 68702 92262 17451 77362 04948 60207
69849 85449 35814 75797 69962 18316 89295 18052 13878 55801
02330 60117 02270 33852 85265 31177 69206 56889 16881 90074
16273 50687 58331 09114 75061 16355 20425 97570 49903 23461
09827 66561 96125 44081 34419 75928 81635 31159 31851 88659
82658 54720 06273 79772 22588 15801 99430 64159 84958 78023
80936 56766 05700 11977 38273 82001 34663 99174 96499 26846
59359 97198 25753 69060 10127 63380 13535 30163 17191 39953
35234 47073 64386 89499 57329 48213 73757 51280 60337 74222
44968 52940 64945 27810 77693 44051 96989 24071 32774 11974
05025 68033 12321 95043 86107 40842 34211 35723 34739 18455
50445 34050 60510 60217 47819 38705 65296 20757 94217 38623
16380 82251 56094 07658 63648 95645 52574 92487 97132 24366
62146 80801 25706 21345 72778 81225 51988 31006 93474 39079
10918 34367 67646 16913 11275 48024 91523 42894 87330 27903
70838 07154 53128 51302 88075 37963 68086 92243 60249 45145
03985 99184 27427 63359 39965 75570 76512 39126 90391 85973
12552 13237 34486 01436

19169/18252/17423/16076/15894/14461 kHz, 02-12, 1300/1310/1320/1330/1340/1350 UTC

06164 00175 52770 99486 51253 03126 24927 58301 42861 74402
33713 07720 27651 13594 05372 33646 58092 86887 71098 65259
48452 80989 71364 46732 44626 94386 81142 73473 86990 68454
08824 91292 36121 60847 01994 74720 10846 92802 50540 15784
69984 88986 44091 38761 31811 95592 27883 10007 12038 10636
38170 41864 23064 65259 38789 11439 99129 46178 02355 82391
57133 40279 37465 31770 03469 15131 87424 18784 33484 27692
74690 22442 99960 62224 43836 69616 38214 40411 83364 44788
94357 35324 26278 16725 67116 19282 12736 84740 86279 10572
77522 23295 32492 09910 69316 95414 04565 47404 42786 62248
11476 73353 69045 97847 34865 41550 63922 90798 13878 51326
83775 72712 57756 20816 99966 95180 28282 25175 63662 36305
43167 84116 11819 65823 78060 63232 31035 96603 73014 54566
87177 52551 52882 91550 08885 38915 18574 60359 60098 55184
38965 99214 72409 67146 88053 97800 86161 28914 78102 46991
73716 58426 10205 11797 88099 06939 28982 59905 33642 65051
39923 93725 99123 31470 11643 41563 45316 38643 12756 42409
41249 13598 77090 35950 54948 93188 17478 66135

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01639 00203 43747 28681 49849 47704 69568 02147 58789 90284
16541 80344 68298 58066 97215 62040 34863 03159 99691 65703
19614 43485 69831 19567 26577 00308 04009 38719 69203 90379
79121 44943 30304 19747 32361 24537 97501 03885 99275 65251
02806 45419 08564 64393 81888 49614 61917 68536 48694 03639
22323 83012 59362 88397 78928 94937 03212 48788 28311 54066
10661 32033 44641 17148 01404 94803 53275 06508 17453 81890
73686 05521 84098 02891 41156 26966 75806 27314 41380 77463
52975 51123 35863 25936 28757 38348 42330 56050 06170 92747
18100 64301 78649 12558 65435 67048 10876 60233 02932 20779
66150 63854 94920 79872 00128 35102 50251 48360 32794 63625
32958 64967 02728 81316 86168 73282 08849 31775 99699 05405
59567 60260 32046 23224 74656 89278 28227 12272 38062 78237
62268 12998 78587 40875 91591 83039 97801 06536 83295 53197
70488 47259 72608 99576 84506 69546 51062 92016 33038 66105
58429 25412 51883 51089 78303 43129 98580 77869 48891 25193
56318 74384 93122 75986 82394 89391 82194 25403 23920 06674
66334 23369 71476 72279 10953 53093 22654 28742 91705 19263
83872 57809 92427 45833 85850 03892 60465 83938 50753 76531
50924 25361 29883 87868 06548 77213 47486 51212 30225 51825
98840 95437 52137 44017 65745 44572

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06566 00184 91871 15203 09153 85887 61928 68374 01954 89849
07865 49391 24338 72595 21463 90614 87387 83274 64361 57566
64897 92136 33152 40569 49758 87747 14958 49418 51810 33837
42971 66208 14664 93668 56483 20645 48472 94231 76426 05271
96251 87139 50744 20934 41251 81112 78936 86854 12845 68983
95927 73643 65001 71485 62392 13894 02383 18668 49427 52827
54027 71095 45792 42279 85891 67116 95519 61115 98604 82493
30029 96000 90836 89506 20110 98752 42283 84229 91005 90345
96421 29829 18585 78907 46306 10060 95293 88970 95028 15148
10361 22350 29229 55657 88298 86025 58579 92670 54377 03722
58679 27373 61194 33520 39842 45528 48790 62877 19844 32424
68529 50255 72198 74187 14759 41408 20281 63505 60320 88956
90552 20925 45162 69272 48130 10450 61838 15759 53351 18693
85232 19241 15418 26881 02776 05619 34511 19507 23248 99168
49883 67471 52057 70397 21709 70286 13024 35785 34881 92661
85186 31785 65500 12704 13544 73999 43577 52161 17829 79789
75529 50738 02890 29824 90092 45246 85001 97282 54880 99827

71549 74605 98369 52870 46908 52283 46078 79604 51232 71185
71112 11554 51770 27572 56725 24671 40014

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08537 00156 26081 78887 63930 34943 24093 98616 11165 69833
58328 01092 66690 75052 81625 41273 45617 30803 78799 44168
08304 32163 89368 10517 77015 04721 99692 62574 09274 85108
49090 38153 95853 82432 94876 74276 53646 09788 80934 50735
51789 91223 95488 59483 95554 84420 77911 46856 96459 25159
65896 05140 56925 15374 90823 21061 23934 18941 85341 36297
72400 57664 84427 16673 36955 37400 58194 09939 42392 40079
70453 02856 82558 03587 17389 12931 36703 43553 71361 16712
04297 07662 83542 15424 67059 03677 44810 84733 77825 36939
51565 24797 60998 35434 78196 99796 43271 29157 37756 67941
82592 70506 37732 28275 34860 91539 19387 27344 24183 60333
85287 43982 64204 33960 45723 92924 97291 57503 88428 81039
30728 38958 13642 81289 67831 60434 72620 89918 77021 51999
69143 52412 23600 97433 91101 87616 40438 80195 65895 31012
77560 48124 75357 19211 86486 32248 77488 64823 09847 12313
48803 12796 15647 00460 70980 97015 19014 89456 75163

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02034 00283 77207 68587 57499 77581 17479 74656 98518 55075
06969 37916 38067 93410 22928 61214 17821 58886 05492 08938
11873 76672 14874 60742 14559 67997 81822 08093 81054 67756
01417 65376 07794 95553 79814 94903 90437 77755 45323 04114
12218 02268 26247 92427 27999 26583 42852 78346 44072 82853
80832 32225 47433 97619 19953 86270 07055 44438 55082 60732
15652 80304 69415 67888 53334 58136 89859 50436 41492 50835
91956 81306 08936 71920 62514 48419 49877 69381 36366 51034
41629 66702 97211 00259 77116 98858 38165 33581 01251 63246
58536 69469 77229 16668 64348 65590 66492 43708 38894 39060
07659 04040 13562 13395 88675 75405 65980 89892 92396 93262
06012 11801 50083 64654 14375 55615 42775 94868 71876 81450
56721 53256 55757 22333 16067 06507 41010 75559 61292 24204
58018 86051 97272 44550 67737 03144 63551 50831 15040 99578
78708 81648 54504 52666 35248 07237 08457 75572 43445 69994
73804 25317 18367 70036 96832 01781 07280 79415 22491 59777
59635 04574 07496 35560 76884 72826 04005 11930 34664 47438
94170 90887 75204 67335 26257 30230 08536 52306 03052 71527
63175 31596 88487 99838 34364 95739 14953 67883 37337 18272
72134 20426 74105 38841 21004 61993 03912 93611 62515 95383
39769 51188 00496 44086 02734 96945 08050 05216 72730 58540
44423 02319 92637 20995 92918 75439 10430 53729 81016 56457
58691 25345 57028 87221 92797 71753 10853 34518 00374 01837
83137 31624 17703 49494 41041 98056 63475 88470 17376 32330
16983 62728 41167 83054 54683 77378 75654 03548 60295 06708
91794 79056 89041 95517 47677 42723 00288 57706 03089 70776
50524 24019 51815 86265 18457 16870 44058 94045 07501 95821
18014 66053 66205 01236 35715 32347 57669 63811 34419 45450
72467 50961 42677 80519 72122 46036

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03341 00169 10238 90525 66280 94452 67332 97857 31206 38276
96356 75515 54156 47918 11942 54126 02693 94765 42701 99631
69185 76830 33344 37227 09264 84923 67800 11845 25461 18268
16460 76446 37593 55343 19864 54543 01241 02192 46371 50526
55726 27825 31015 14183 33329 55049 49387 54089 24939 35220
08793 21530 66320 37240 74381 83926 93848 62454 48772 51625
53812 65874 91261 28844 13796 86565 76771 65612 04605 25059
72274 16854 99126 24555 71714 76643 35068 54929 96073 02442
70502 54037 59421 39431 85265 00084 42215 20942 03553 92869
07024 27841 54282 27268 29900 49626 72483 61962 41537 60721

19177 08919 31683 30446 08643 04334 42414 80603 82769 35694
56260 33736 61675 06545 02331 80940 58798 79700 43247 76018
60132 12192 34331 83787 19440 91949 29853 46366 48777 00929
39237 65723 03690 36796 19013 21770 81656 37476 98136 11873
42067 39105 58024 97126 61927 38651 03935 61983 45421 07896
30506 32783 42684 19667 77392 07606 59688 07862 33148 19680
10118 57586 66

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03682 00287 75668 37520 00698 40377 01875 41615 58250 37300
33714 39849 37689 66814 11475 17094 77374 74631 53111 72364
78168 18062 58802 64841 20598 89258 93457 85782 83005 64195
33941 63179 26483 24323 06923 80432 38204 54930 53089 29273
11865 64613 69746 43438 84918 66020 88600 29647 17804 56525
85895 61679 03304 82733 47957 06972 00772 39744 12857 74755
38291 15325 01858 05680 95291 18389 68428 18860 86593 04266
27946 85289 21428 17667 26972 20351 75616 89950 65967 61202
37694 57124 82771 74360 17161 67296 07228 09770 07712 38250
18501 56987 84253 00481 77569 39937 84784 11112 49891 55182
24333 42917 66609 47311 89267 78643 87114 40450 82046 73707
82063 31765 56589 84464 33711 66808 31664 56480 33784 27147
38153 54847 42661 40833 09651 05869 97326 59038 19006 06070
28817 32633 06148 78406 49442 09581 34067 08242 32798 48628
12915 24386 46720 56568 85972 22468 22309 04804 65488 74493
82949 53193 09704 12720 07411 31095 77529 93903 62964 68446
47293 08726 42236 34404 83683 78774 47630 95599 15749 30500
24398 11355 10072 66927 88412 36280 63762 94649 81947 04913
71222 40264 48459 72352 29438 69032 86052 51437 91004 97359
70490 87946 40846 88824 68072 08488 85434 72044 72062 93536
18013 90760 92058 95408 57486 37343 73017 94304 75444 51583
48440 44259 26232 52878 51451 03930 21509 88503 52802 02019
32798 24920 15847 01144 66843 32331 82747 94526 49201 03431
90672 64264 00512 87468 65870 73723 97012 75920 41975 33182
29845 41874 37934 29394 38154 45026 31990 09668 57276 61623
39239 47201 80611 28924 33719 65487 29882 39506 36549 40164
82380 02143 82438 92787 22960 68314 54848 06982 18168 12250
12281 62783 28998 34048 23866 40379 35712 22021 78050 28185
62777 83617 59999 61775 04720 33363 59422 17034 86855 02576

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02665 00136 26991 41974 47537 18719 59551 85416 24221 48041
37037 96408 79666 20372 97712 04223 38295 78282 11439 28558
35322 60907 43265 96619 38440 82420 19749 74078 69217 88779
52454 51814 36705 56867 46923 46272 95624 94194 66835 02161
10095 93129 98195 89455 04821 87672 24650 84775 63895 75976
07500 61887 17397 42586 32709 76863 28812 48543 66903 99821
59012 80513 03144 38273 56149 73669 87657 38684 32413 34450
06195 88525 43914 36661 52439 22915 39159 16708 42339 03360
67745 71682 68471 52413 69576 29138 99318 51691 98782 68614
89133 72972 81312 74285 35403 81759 42990 07981 32873 85654
15860 24194 54378 51402 85472 16765 25108 84397 56035 88187
61624 61139 67441 02299 18426 34013 35899 19961 73991 71515
65196 76350 10996 09540 12581 78508 18957 74831 55359 73931
86114 39378 81368 21328 60234 58084 49190 57713 13555

19169/18252/17423/16076/15894/14461 kHz, 10-12, 1300/1310/1320/1330/1340/1350 UTC

03230 00182 96736 58902 81721 39991 15442 11796 16333 46237
37571 58405 12702 31314 30031 17496 76618 40726 26745 88309
22184 27150 84538 46618 34151 63583 33404 45775 68128 81361
12115 71667 91326 49493 89861 53963 50971 02256 29096 55853
86322 23500 42932 81516 27920 99996 94334 86748 66242 99678
49780 17013 34540 98594 14129 55400 92112 97522 16505 21733
14726 98484 62004 12321 13363 58067 47079 44852 12676 86464

97521 71191 17819 81209 63899 97594 93428 71862 33941 34477
73367 59621 05152 73522 73685 34486 42727 59743 85541 81413
08259 36514 04767 88876 75193 27277 10245 60123 84602 37973
92656 56217 64732 02310 76637 29170 48537 83680 98047 36281
14865 36373 65413 89453 75401 95163 56259 99874 20853 33919
42644 59756 75647 92823 81611 66967 66979 39713 02317 63474
04770 25538 80089 05943 05783 68534 22226 19266 73434 01416
14033 56844 40295 68717 13276 61443 43363 81880 51712 61477
14245 71277 42310 17556 59912 05159 56661 00905 69016 27611
95912 24115 10781 85790 08499 59759 39930 06549 58753 61297
70600 10916 37612 20381 10205 10953 46872 32828 97476 72531
57485 67659 01372 69889 22251

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05191 00121 75283 88483 19469 51857 98193 24358 62260 53992
20156 06550 04761 84350 45897 97753 22935 86522 68748 15552
19387 72287 38918 75312 18034 57416 41232 28068 64758 79561
51420 28042 97122 26595 85726 71546 62800 36039 48549 83536
13602 03163 13675 79019 56200 09337 35285 25770 94497 11881
92330 50692 09889 51822 12319 01329 81518 02879 29859 06592
03550 79239 37303 94609 32030 23729 46309 46911 10585 55810
59508 83258 31035 73319 34588 36274 65613 40310 03428 99238
21727 14625 11401 75890 69108 90208 34882 48442 04168 99310
31221 29637 11532 72586 91370 18519 06105 11670 51060 89731
63541 17510 34547 50580 55871 71762 21192 61793 36576 06685
83936 04723 00897 22511 33546 80110 14804 91831 14452 37694
80472 47467 03622 21354

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05136 00191 33297 69179 06189 28719 31080 48502 66294 52387
12106 67982 49361 23382 83052 43243 05847 00024 69687 73672
28568 71671 25552 90880 13136 96274 07411 29259 83202 13157
64770 87109 09821 50330 98382 71014 54798 50703 58168 95997
19857 71852 76954 51845 52395 17702 21043 56120 41276 88612
76541 86806 04820 56428 99641 30537 20574 56624 97159 03070
14333 70038 80523 98174 90189 18040 09825 87237 55245 82829
11221 12531 99627 81275 26708 36620 89849 86604 52817 69066
60167 43238 35232 01128 25129 08522 46054 87175 54220 09587
57874 19977 57013 74794 39373 73829 13657 68312 98409 74093
52644 53036 70675 20446 81565 45376 32994 96211 37945 81646
69624 36089 90373 41726 58323 02106 38810 46640 26312 24210
73370 85483 14925 01268 84324 94190 69009 95102 81709 87161
12521 20131 43487 14925 50149 67225 22579 34886 93798 57937
37906 11024 57878 18684 75066 22264 97951 43517 23541 14906
61080 87244 88375 88354 83511 30644 73207 86053 70078 30883
30358 36976 81896 55397 18817 72828 32711 79624 16385 52102
76811 42180 18783 63689 69155 55961 50790 63506 47712 38459
16216 85256 92575 00886 28614 91932 60469 98621 11937 21061
20587 39166 75930 47441

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02865 00141 91977 96933 71187 90317 76234 83387 07222 82255
03047 77532 86264 28529 53063 09069 68855 46666 98068 33488
97950 72316 78835 08799 61859 72379 63169 98339 11609 09608
57683 78353 59610 47146 14208 35869 75394 87221 15713 26495
37246 05509 29665 95671 64824 67065 71815 93933 31239 18054
69688 89090 34942 11505 66348 43422 76428 74036 02920 82717
03998 06193 64753 69654 70245 36049 24353 47538 12099 65393
95170 91545 45701 21229 84372 49249 72100 62544 22084 65087
43105 42356 99157 13695 95786 63435 98464 41055 38084 30502
28137 95248 18096 05403 02141 05942 58412 17095 88664 58013
86472 96616 36812 24865 34554 15406 24704 84783 41921 29541
00450 41820 31644 98863 87931 24241 20085 29100 75489 24571

40903 30148 98407 31782 96866 32148 79527 10052 18610 81405
17641 72239 18661 03126 21160 00668 28186 92000 98661 31009
49142 06031 76657 07570

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05675 00260 32417 72260 83058 20684 94853 55254 45269 19515
69943 10733 46078 93971 20725 21356 25538 05421 57829 85470
70703 62791 06260 90697 49655 41427 67649 27501 87501 95210
79506 83149 57524 20778 15579 64635 89319 62581 85016 02269
98438 23709 37880 64327 04869 64409 41046 94926 34597 17200
68989 50732 88705 17321 14164 58998 92393 51151 97608 47536
33999 27333 60852 65779 95811 37089 83534 62401 88814 89172
90746 84875 46535 35506 30760 17662 46350 85165 13646 22460
34008 82034 18151 72937 84845 94298 92969 06271 54714 22139
92191 95548 40155 88560 19211 46603 72908 61049 40786 53165
47527 90977 29511 10079 77065 12456 04048 07638 62266 54665
42467 66876 76406 89031 44783 54300 66792 80362 38960 07108
54251 95532 13869 18488 76307 55083 73314 13182 24940 00269
13310 90275 44704 89627 87556 36997 52391 49214 10438 76992
03090 47747 31200 11880 87576 73268 67976 12487 61731 98327
68093 37323 05060 51448 96003 79157 89091 77032 49257 10135
73937 08956 35754 15142 81014 04432 68809 50611 97578 81615
69607 62797 53629 57759 19923 16325 87376 71833 22645 60283
14014 70365 99448 89862 38326 82477 04493 36139 78173 27257
62569 30855 45694 54505 17574 56693 00990 88800 28674 11128
72105 87814 64815 36796 76492 31723 35316 88831 19754 89521
54260 17182 79680 11756 47375 79853 45507 92604 07014 13853
72056 80513 28647 14511 84706 76123 40316 25948 86562 10632
67734 24998 29279 25575 64123 28084 70806 62973 75056 93779
65875 16502 44141 10202 05838 04553 80288 21044 06849 24544
81649 06495 71963 31258 00762 36346 68005 64898 56197 96116
02064 74025 73730

19169/18252/17423/16076/15894/14461 kHz, 15-12, 1300/1310/1320/1330/1340/1350 UTC

05496 00199 39860 51685 17057 16859 67969 98266 78940 76316
85471 53540 27648 69160 68928 27550 43681 13254 63853 91564
74709 95288 77935 91826 27614 30388 12912 06582 51366 83403
83291 97566 82307 57815 35991 14055 96349 79002 31924 37280
04340 34279 57906 18800 57882 25757 41245 43846 37207 51852
58274 36527 77795 35452 89437 84706 07122 59401 88668 69354
07334 53806 98467 05479 30433 03850 81165 33886 11332 93998
05560 92093 25397 76813 67607 27003 73960 35555 03843 67354
35851 38598 22956 96694 21262 38160 43450 15356 40672 83284
01312 12237 56883 87344 43139 24534 95320 39239 93070 82834
00730 79020 66897 03579 84054 02421 96193 97023 39032 34090
46035 69289 45810 04958 23335 94731 61516 35747 95129 80921
85507 12675 12873 20657 46588 71147 85422 06434 08985 77386
84456 20620 01207 68553 55206 66631 08278 41859 90134 86918
81851 21390 53319 19422 59053 54968 97542 99765 37944 67032
92683 91226 81701 87880 22879 70516 83538 70703 76496 10836
88130 73996 85158 46323 70852 57807 61158 02131 31744 24912
47698 79605 95919 74668 24000 52400 07682 95160 05171 72647
78239 06592 55505 29180 22068 73292 36932 24282 29235 49129
81735 57652 64579 95273 76257 20603 72003 28687 48766 84446
86391 40130

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02560 00262 21061 92548 01338 44143 46078 41622 40720 23981
44021 16485 99993 50386 86213 94035 15338 06867 86863 50884
19012 81891 76024 35613 92718 18587 85193 15109 87959 16529
94754 92921 05012 14082 84514 13216 52387 48644 95999 27727
75701 59603 50756 72138 37643 25611 46938 95261 52619 87332
05344 09269 02488 90466 29522 10454 41391 82498 02671 27829

73660 10123 94724 89560 66486 93700 32156 05680 81268 54322
31123 19800 72019 72253 32661 53800 49486 11825 17682 60060
22898 15517 70795 87157 64092 65835 42297 20595 65747 19724
88594 81862 56162 58822 71290 06521 68596 57248 11979 04012
20596 76584 25655 70206 75331 52490 55408 62628 91406 55312
92044 76180 51678 61669 54917 50366 08371 35951 90713 75720
38617 43868 63529 68865 12150 46780 03162 21106 96264 55516
86068 17112 85068 32897 56805 49404 81621 32471 50078 46671
37640 18014 22064 68844 08082 56120 82791 14210 52238 29431
58121 57815 56805 95142 26649 75699 51804 01476 46054 84179
78909 81733 90829 38765 80388 56190 34991 72716 83046 37851
06511 74123 20739 51902 10507 40914 78589 68784 30573 85741
28739 91546 74975 45932 64059 04769 82492 90180 53217 80829
36415 88149 43958 49056 33037 31880 96566 18243 18785 13732
80255 95141 69330 88296 67515 55275 94552 83006 66827 14387
31776 15190 33392 23811 48139 99243 02302 86890 32092 23804
86272 59476 22650 10274 55807 17206 50195 39577 82128 15490
21168 28191 77300 10607 24405 34516 52204 48512 58669 08026
08418 87104 82925 54365 35572 37804 53356 67125 76464 28303
65463 53794 09068 49469 73108 60829 54768 08610 39175 85879
33716 24486 45408 61478 73543

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06134 00214 58094 93514 01042 63464 08032 68333 76121 92901
08697 19775 90575 67678 00187 49833 33353 22150 60673 70375
15120 06723 11431 56043 36061 93340 36081 72152 55929 56267
00841 55510 62329 50613 35527 87875 31769 37666 26945 31733
59024 55663 76866 54625 73050 66064 60430 41524 80028 58370
85476 19518 94016 72452 49387 73764 72256 05678 55345 30861
34756 81609 72860 62556 15767 85934 65151 35787 89681 27738
05299 86088 22252 10256 15677 28954 08544 12163 74895 66159
14167 58527 96538 36811 99629 66720 57452 57868 27993 09511
08040 28970 81311 22912 67129 20689 71500 66950 67169 03771
79384 36748 21073 76315 52415 85528 82971 77657 09477 57432
40625 45225 70469 92255 99744 67630 11204 86626 15399 94878
24872 53179 78923 68421 35094 45744 29948 72578 54839 25152
19665 63937 05737 79436 33636 86791 93123 22391 43198 97562
31799 83396 95018 64494 46521 01647 11178 85124 99321 83902
52517 65578 66925 83230 12245 52203 71612 85001 20448 30073
40601 20151 33541 59706 33218 08762 42468 75509 84487 84922
33919 17410 42436 19864 04617 98439 68449 12277 90404 59116
96382 97830 22113 57045 96194 99561 97370 95619 44874 79269
89657 35433 91120 49413 01841 57347 06973 90797 40280 22660
75128 71242 51062 22480 31449 98038 30749 55686 88271 30657
07756 50739 81869 53567 75622 59625 13531

19169/18252/17423/16076/15894/14461 kHz, 18-12, 1300/1310/1320/1330/1340/1350 UTC

05224 00122 77718 61237 35612 66409 94368 39569 73538 42924
70824 57332 58951 23025 75640 90237 47252 96122 66244 84915
01667 13315 54958 75332 51899 13201 40177 21670 53077 26756
20599 93676 71200 42285 69637 21127 46638 44277 94902 40962
93800 34217 71491 14915 00406 20503 21407 07635 01000 70981
91701 89838 38285 56320 38565 80308 10683 13389 19251 28154
16777 05152 75846 21343 12529 45043 99867 53803 52851 50899
04612 81483 45622 86271 92318 93913 37052 42738 38078 95622
88070 81532 52349 74197 69897 02538 47684 47344 37403 15571
53746 90100 66148 75504 01744 95765 46823 00125 45248 75915
60521 36206 32545 97908 73249 49357 35509 40510 47152 20788
95838 27026 42623 76450 82803 92727 31478 76127 60246 10924
65270 67808 00853 28935 04250

19169/18252/17423/16076/15894/14461 kHz, 18-12, 1300/1310/1320/1330/1340/1350 UTC

06601 00224 63342 27608 48571 09604 64097 20220 71456 13002
49763 35005 42829 23469 15401 23910 79589 76354 79165 52263
78300 85751 95908 56022 60821 14745 90372 85570 18744 20080
82947 70188 47391 81189 91220 72379 14947 71805 84696 45835
09280 79730 56397 07823 73031 54356 13028 22149 84409 20725
67697 78964 36179 15104 85425 38039 56009 47041 43496 12718
68777 02344 87678 65185 35780 51453 11942 79328 13693 66610
60864 10862 97703 67151 61993 98754 84356 02391 61608 36566
85103 51924 23223 54243 44134 54809 33195 22221 83159 38462
93121 43857 03820 91271 31925 03641 60270 01871 83740 54840
15759 74871 07431 00010 72552 94529 65149 03783 52160 19330
43632 90139 39675 56040 63284 51840 00125 28710 91480 66315
59923 11897 72729 27423 68830 49488 88695 10884 00843 74287
92088 60529 27008 95768 28682 69302 97509 67809 04681 30764
26505 06262 66599 42911 16777 72769 62760 21459 05282 39696
00642 59838 78565 49896 37421 54843 76798 55235 32071 10527
40723 26337 00490 10680 97533 17709 59579 78565 81964 28160
03618 65392 59331 14603 25932 78890 26098 12482 24539 98543
71038 54391 86499 98450 90870 70532 92462 05613 78474 50649
04043 63320 48961 52768 42312 06035 64142 52925 71408 99758
32954 80813 02073 06546 22501 28223 19441 44694 43885 41668
23295 17932 98672 07659 69692 83646 11641 76580 64274 67065
75061 27366 81470 81165 32753 17846 14055

19169/18252/17423/16076/15894/14461 kHz, 19-12, 1300/1310/1320/1330/1340/1350 UTC

01761 00244 44602 75434 84751 76509 36638 85525 35598 45018
06916 60628 36153 87314 29180 28776 15419 67571 79331 74960
61866 04103 83956 72967 12607 26763 88169 06758 16433 30774
54389 45893 47474 92256 04485 47263 28017 45275 48714 41784
07204 09434 72251 56390 30502 27341 39423 46077 51928 15108
88881 02181 36020 78026 95525 21220 65252 51502 24253 80711
35849 22639 99975 74495 52993 43086 14116 16860 25213 34405
45765 15804 82767 47814 16882 90860 98022 56455 57721 07538
56354 87935 17204 01541 83358 48561 24474 35473 86194 74771
91020 23760 91213 63551 57813 11311 91752 03172 97773 64957
39165 13988 09651 83793 31721 89076 72737 99190 63392 00264
27924 21957 22210 72381 92787 98801 77424 02585 80528 31183
76355 99155 32849 48979 47523 96503 77963 13974 11922 51123
51499 01126 24017 53208 19228 27207 75268 53062 92711 61856
29032 69107 39048 71331 22688 81001 19645 84842 62999 01324
57433 93253 48095 42680 32915 02688 78866 44306 41317 71034
74520 28283 66365 50321 99615 18738 92341 23553 51579 87752
67724 78369 40904 42943 25795 84827 30211 14193 49969 52534
58329 19866 39185 37782 01908 26199 59572 57019 15430 48016
74604 39237 58961 44469 57681 56504 35031 02529 65644 26726
04410 08789 63193 98550 19163 91248 89343 91821 24632 34605
40224 12781 86300 79664 79337 62840 54183 86102 64012 60525
37067 57947 84386 44461 08637 39201 66596 73518 17623 21248
25914 40683 65821 18418 18380 31404 27729 07442 66682 68402
37056 32110 36631 97631 33992 51553 43572

19169/18252/17423/16076/15894/14461 kHz, 20-12, 1300/1310/1320/1330/1340/1350 UTC

01259 00194 96132 53322 34934 61544 80865 12515 53717 46297
64461 97831 15116 98480 37166 06769 99578 36146 43203 01657
61493 83791 29131 19432 26026 04126 80282 85649 08223 41881
07225 01223 31423 16313 63932 33781 86205 07032 63306 93991
88755 77991 64314 78463 45986 20973 93763 08758 28115 19168
09267 28882 68161 36673 90881 54735 28282 90191 19921 36501
43439 90441 70530 86331 25761 91667 89710 94982 96673 04623
63189 95710 84873 83320 47502 68020 54430 57920 46783 47945
71328 97153 15404 40467 03015 79767 89572 40241 76499 82739
42264 40161 00474 29770 38050 39127 52463 56928 39530 62647

95926 62761 49995 86748 69497 42643 12657 02196 38313 49672
04251 90042 45239 22415 55775 76352 45923 69047 92672 75011
15526 47503 27528 96093 21035 38057 16131 80658 94004 26483
15089 05173 66921 65109 89513 71992 63226 66240 38921 24888
74394 19841 85246 34754 92795 09291 23005 19274 67822 76558
77249 47334 17938 55194 31008 14578 34613 50610 45932 98436
24504 66167 91640 70793 58080 71678 39115 88567 88030 29525
81501 34707 40473 99582 84014 68677 86429 24192 41593 84390
34607 40354 57938 75171 57567 69186 25764 30455 21656 72106
22585 59920 48492 00285 61629 31990 00641

19169/18252/17423/16076/15894/14461 kHz, 21-12, 1300/1310/1320/1330/1340/1350 UTC

08288 00294 81872 06071 43631 12987 49201 19287 05116 20802
22906 97024 88375 88751 03191 82578 03965 19241 48048 11357
42291 80987 71343 49723 96336 13619 78003 81946 00364 35503
24118 88929 53890 81205 39253 82683 67677 27825 91640 71465
12559 22589 51093 87027 13055 23756 78931 32074 01920 70712
91283 81007 94022 72789 67377 03847 15536 65192 12005 51702
53915 17513 53525 39656 11757 47312 96722 86375 80967 86742
64141 45341 44384 95307 75907 01189 79896 44307 22950 37027
23764 15060 33544 45429 42235 45394 30907 32245 84603 96516
83823 91410 52027 24571 13970 06296 79136 02767 18139 63431
50894 43012 39452 60766 06899 21584 72971 61281 61544 13512
65760 82901 38275 10646 58850 80447 95457 14262 41168 89893
16147 86262 77422 73693 67911 36271 82516 24979 41644 66930
52856 36934 14543 52350 23908 51574 66866 53952 54637 06108
43338 13871 21287 46987 23835 77528 89580 33474 24139 31862
37226 15080 47592 36483 11145 71431 69994 16219 83670 48216
77021 26878 90664 58641 73285 84340 88373 88681 47529 76034
52798 44172 72460 07835 62836 97087 14095 61389 47954 22928
07778 34439 64290 31504 94031 93284 68707 47202 16093 04951
07889 57369 92592 76226 58482 24000 43773 90911 63612 90075
32785 23956 17365 54853 77100 22263 13356 16821 60349 80066
42447 61683 90224 84893 96547 63611 12608 98879 00091 57001
42026 87061 24561 63235 05193 95631 83697 82330 18157 54474
25750 91097 31652 98592 49833 23528 41889 35088 71467 01637
69459 26418 56802 12869 37615 34253 07251 56386 61902 12435
73933 83396 74888 84297 59993 28164 00895 77822 23328 12013
69460 73901 06455 75831 16074 26611 97447 06297 37711 58771
54702 09718 17881 22984 03957 38959 39995 50416 18016 69899
39920 24129 29224 17936 28712 23791 49055 40683 08124 26864
89527 51708 96205 28660 11096 36569 15544

19169/18252/17423/16076/15894/14461 kHz, 22-12, 1300/1310/1320/1330/1340/1350 UTC

07326 00240 50398 60931 95050 42207 88976 46496 95805 31344
64400 30716 51438 70624 96971 36097 38851 34963 39230 80518
25095 05686 60732 63924 31981 03563 21814 88890 87006 21904
51364 05184 60053 52694 84916 61828 94417 17273 26054 86561
05966 11107 97995 25872 70852 23477 95208 44856 06194 56102
28743 96433 76427 34800 77202 18907 52444 17778 89418 31810
07094 55722 16358 52975 56112 72018 99707 72599 60557 16833
01154 36867 24532 19380 37979 51541 14777 78153 13927 25225
12030 32369 20446 87754 37748 97706 09280 83374 54561 08458
57681 45540 54209 37547 43019 82127 12111 22466 38868 02568
32074 16592 13269 33096 02874 54438 67444 82379 67534 95165
71598 03238 62116 48821 09300 37534 03780 51454 49082 35470
17954 87595 28988 35300 23276 19477 73733 33142 85501 50108
72377 74182 82827 91555 93982 78151 18499 49066 82313 57332
44658 43540 92571 08823 90996 70746 94836 72905 03556 56503
78092 34681 36180 44204 88872 55321 04708 03803 25091 42752
13555 80367 70460 88199 05261 27958 38800 69159 90225 11382
51751 51842 11783 92463 97590 03919 14022 20284 50728 72395
96743 85751 21740 61461 89528 80212 70050 46693 63772 33221

67677 01464 82623 21145 04524 51704 57095 93289 32055 46439
21861 12431 83419 02673 99352 84060 86302 39373 78870 97854
29700 38343 72732 20495 18936 00643 06417 99398 46946 51548
93803 30440 22803 08553 26400 58560 95164 77384 85996 27815
75915 29898 55731 70265 34715 77448 79303 35001 89498 27578
25252 37857 71520

19169/18252/17423/16076/15894/14461 kHz, 23-12, 1300/1310/1320/1330/1340/1350 UTC

08394 00264 15731 74782 16179 56186 35985 14432 44777 32172
74586 43058 07374 56980 20367 79406 24358 90120 74951 60931
63270 70909 59096 64895 55672 80840 79089 81650 80035 84095
22086 06551 72591 58297 48297 55323 40988 49118 16033 55119
02011 49111 52217 62607 66005 77851 03223 19774 58003 83966
38033 32063 60501 10086 75862 86976 48298 13899 99147 42091
83009 79414 72398 88529 81096 73487 55957 08200 19652 66159
57803 73131 35538 13727 05517 94579 12882 87920 77886 63360
38979 01623 27340 16610 43510 36751 61965 23091 60788 93474
96155 93876 34007 08688 85703 36620 02002 90316 84338 20617
16686 39112 36576 14087 05529 32411 30559 35148 09193 19667
89837 50482 14908 21082 52597 03698 45732 32273 31217 59000
09841 54866 24508 57584 09258 40421 12587 57316 93500 95121
83269 06357 50545 98633 73315 63149 88112 70996 84741 98151
09893 49102 74859 68427 89664 25996 82629 90277 78869 46255
04882 02241 90144 58560 66749 00070 63445 43708 68768 77423
60549 36482 92544 56789 10583 79162 36733 67951 79988 43312
19532 65711 45859 34108 76271 20799 46931 30417 00846 10385
91234 47819 58816 86445 20037 78800 27849 33586 62212 21678
55932 80966 69717 70422 40679 97804 61024 68511 24920 64144
27443 59133 01810 49560 95319 90463 46461 87589 66180 16715
79534 74343 45408 47101 63674 33408 33215 50014 44055 01105
34799 32791 49260 13342 37057 23113 21455 85322 23009 42444
77771 64116 01668 25612 50120 06953 98676 44648 33151 06417
95328 75470 94587 15804 78228 19619 32783 45398 89939 97289
58479 13046 89386 76742 61915 88838 46813 57082 04920 95061
20752 49311 24752 10251 96821 21616 05625

15856/14767/13428/12183/11477/10227 kHz, 1400/1410/1420/1430/1440/1450 UTC
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15856/14767/13428/12183/11477/10227 kHz, 02-12, 1400/1410/1420/1430/1440/1450 UTC

03238 00149 94871 25745 26153 00022 55506 19986 52903 38120
06220 69403 87536 39700 36970 97019 19721 93309 14848 76530
30026 37410 88202 89317 06719 88492 21716 08568 28190 21829
83459 73937 52588 71141 94735 14806 69294 87118 79282 93203
10319 46008 24960 50649 90053 01815 81765 66090 27135 30576
97813 19779 27849 17214 99637 28700 96146 13624 78308 48634
68436 91441 22779 66488 70076 16552 42354 11786 08211 40601
84756 58665 35916 98238 48528 98851 00543 04888 34122 49042
67316 08577 79145 30586 50445 96393 07435 27373 28101 43768
43286 53867 34637 95782 67743 69321 69718 65560 88600 82732
95831 75750 60651 36450 39184 80735 42902 01391 08064 82187
17228 94992 68306 31630 23430 59445 69963 60612 51374 24000
76774 72823 90536 79669 34405 00798 19438 01126 31472 55906
37306 21624 74842 05155 57496 19770 40624 35375 95879 83042
94451 52445 34829 67699 52495 09607 89250 06119 01912 56682
07057 54566

15856/14767/13428/12183/11477/10227 kHz, 03-12, 1400/1410/1420/1430/1440/1450 UTC

01111 00230 23333 26460 36831 63620 56187 55041 59430 04749
87089 85573 79591 61468 75055 31431 26231 76298 09304 54523
89062 37535 70261 07283 09577 71910 96192 25507 00841 97793
71793 94395 27335 19239 42202 90057 04973 88253 72555 27590
04309 49664 94714 77607 26791 16659 25146 60988 82514 35407
41428 46387 72162 42248 68718 90657 62674 10962 96010 51880

02920 63238 30800 56321 33628 07503 81757 43468 77578 88915
97676 75730 87100 13235 11744 57930 17454 14999 96169 96577
56653 70230 06328 13658 73246 50144 91264 51916 02699 22878
69080 13188 79780 83772 93587 46353 31368 01463 29039 14880
94048 24105 59644 55100 79140 93296 08454 81886 60308 23684
63882 93548 91144 65096 46333 75068 66449 70634 45497 48951
72610 90444 33962 27747 58741 81369 95440 30240 76181 16875
60585 84101 76855 79458 15330 97930 23612 80591 89122 07523
12383 17175 15799 40637 73430 23119 22608 09771 08830 31127
00155 87970 76073 88609 42926 95127 01839 10150 30073 47092
45132 71996 25609 57682 87105 42181 15102 50512 91197 73978
60164 73078 49074 73673 42563 65228 12404 03465 20737 90349
36233 45537 11796 25923 49011 45294 51734 40160 57184 02864
30105 46019 82691 04442 13328 77171 17640 50680 89072 31274
67343 07927 64397 15286 97643 23595 65335 43210 71303 36000
78314 81801 62971 11943 73188 84610 53597 72287 25203 52581
26563 37426 34795 26994 99070 21143 58798 97863 97923 87241
82632 25860 76125

15856/14767/13428/12183/11477/10227 kHz, 04-12, 1400/1410/1420/1430/1440/1450 UTC

09592 00108 18584 32246 51510 66907 04778 21447 65010 05805
36189 53605 91170 61712 18869 00409 08843 43882 85388 53213
98674 57489 38514 12735 32984 64984 68260 21108 68998 90247
26950 68837 17632 56812 90659 42994 61512 09663 33737 82563
21127 29365 49881 92512 60179 62380 27362 40339 05019 34917
67336 29321 96562 66256 99112 19085 13104 53990 56010 39382
72358 65115 29579 54527 36251 38918 15267 90517 91748 51224
94108 19845 85033 66890 58348 18875 15769 64176 92169 31401
82319 01627 20183 28447 25030 37754 04856 92668 57904 91326
57039 31916 34076 72514 92751 45081 24499 34553 72405 16146
65187 30415 71193 99183 36086 67690 74614 73616 39305 61576
57700

15856/14767/13428/12183/11477/10227 kHz, 05-12, 1400/1410/1420/1430/1440/1450 UTC

06132 00231 91291 86388 94997 54607 30597 98348 88324 28124
65671 71363 65993 96212 92999 00654 63460 83770 75602 38494
65094 35671 65827 30385 68514 46876 16708 02427 26963 27439
25548 80859 77919 07746 06112 98872 72484 51329 93929 46863
49068 64418 02132 42174 94447 66918 29147 72897 16139 72694
15124 04591 94236 01654 24192 22149 30976 78806 26878 64879
56042 63202 73198 85568 22691 66305 74353 79459 36778 94899
19287 39125 00144 39650 80065 64802 17303 81470 88199 34335
98291 19530 80103 26006 14851 08062 11543 34492 86172 87156
63263 49770 28809 64660 82187 53123 37505 89818 47680 07086
30458 42397 17547 53850 65585 16287 82350 22921 56937 61114
78570 75697 80518 94945 33645 05109 94039 06652 65042 40848
12751 41119 14597 49228 28318 72110 97628 66415 85460 29068
58566 29664 10919 47311 84060 64706 71435 12065 79773 75266
46950 07859 81506 95668 27763 86232 01142 12924 33566 54704
29684 78222 35529 60185 66314 82107 49280 15395 20601 87270
52957 65445 47248 42627 07122 69305 19492 19614 51940 58227
50999 80621 61484 42226 45582 98727 87139 00503 03497 37095
25952 94060 03343 90193 47286 11608 17875 27509 59803 79058
36050 43190 88988 24691 15007 59258 20024 56260 86590 79911
22046 85075 51618 77732 52092 59090 59036 90556 96404 79412
92585 92120 95170 50258 72173 98944 54960 34186 78357 45709
67924 70856 13675 55466 19391 89698 40858 84723 25624 42592
90038 73016 84971 10460

15856/14767/13428/12183/11477/10227 kHz, 06-12, 1400/1410/1420/1430/1440/1450 UTC

02832 00101 47743 92672 33435 40563 65046 56389 29485 09297
70151 00836 37443 96388 39780 49584 58685 53535 47925 55956
46404 83247 15091 51598 50934 59535 99020 94547 20063 87000

30070 36069 88997 14882 06015 59395 79421 99326 33849 40182
39189 79814 32111 83778 11529 77521 48571 88533 01273 02630
03300 23991 03599 57402 08348 09888 51221 14578 59513 66287
37500 20919 35016 80388 12717 02111 46015 75118 15375 08454
52396 10429 98805 64868 38107 58067 18665 12053 71918 26219
50860 70320 20858 11144 34321 29014 96862 19958 08741 63336
05765 06548 70281 61126 12563 46805 95643 38111 54471 96935
42174 89130 47598 47365

15856/14767/13428/12183/11477/10227 kHz, 07-12, 1400/1410/1420/1430/1440/1450 UTC

01826 00151 28990 67466 05809 03390 56656 76353 39000 59149
50676 25465 23667 52423 94823 14794 12805 40984 12691 92334
35819 12434 87424 04512 52581 77813 80341 63714 25546 48451
46209 00902 33396 73908 67460 97127 83308 28351 63790 82588
08374 71599 28723 00313 90491 39562 62336 09551 02358 76450
89449 94451 86973 05363 14702 67804 64953 67847 54042 42528
12829 32413 25414 36336 27987 64278 31613 36760 43704 90999
79166 43952 99729 19280 69731 80847 65271 49958 06141 46413
98092 72847 34475 36915 10699 97226 16717 84343 21485 62487
77251 91193 09575 76397 93483 05843 73459 43108 72412 25627
98417 42320 42755 75080 45310 68350 58663 98374 29894 45855
74813 45300 68825 56016 81248 46476 19792 00439 34278 41538
74797 62338 71549 60805 41712 39563 30088 72726 76152 29871
32583 57573 67795 60751 42547 70199 40750 05143 07099 09295
12267 07115 55578 69284 19221 62646 88247 27170 33988 52313
07353 29040 81647 67245

15856/14767/13428/12183/11477/10227 kHz, 08-12, 1400/1410/1420/1430/1440/1450 UTC

01629 00242 75105 60841 47933 85370 06074 11033 34570 04501
05285 23045 62797 05453 40507 02133 30269 44111 81586 16609
49967 00115 01711 69192 63345 34645 36038 30689 33060 64469
15673 06514 63651 40338 63208 33738 80043 89397 74442 96446
60183 83680 78225 63213 57350 28779 79262 89215 52490 81296
63210 86571 05993 76506 61068 33442 06802 36164 13405 92463
26220 53637 42150 37979 05955 36908 09719 33507 90789 82991
23762 76676 94557 55957 91999 97166 16995 72092 77738 55214
22421 04762 95005 24599 24029 24514 45914 81674 34373 17785
19211 82229 68627 45866 17846 71398 47752 42705 69478 48099
59014 31753 79344 91093 17700 13061 90302 56509 34278 76938
37157 81902 00044 65229 25009 75023 54778 19723 36488 33831
13636 77060 21776 63252 77086 50116 37701 27310 38121 19712
90204 43870 65896 54754 89158 95774 63096 24667 99604 89155
71173 09714 85024 24934 07184 93010 94117 42356 27519 38361
30815 90324 79505 34959 01471 22081 19307 95067 48118 32465
99860 16192 70413 85536 83275 10388 07331 10795 24140 44970
86197 56118 13301 06091 78673 42861 70570 45466 59513 91020
73963 00362 28401 17507 42436 72533 31563 30840 32733 64492
25045 59605 75029 12877 08003 24009 27501 71007 44882 82432
36712 35013 18502 99912 92703 69175 09786 50388 11966 68853
82302 19785 33263 11737 96031 72037 80546 76655 62534 78235
50584 22094 89307 28806 54180 60783 99682 75693 45616 79551
90279 09677 25265 82580 61861 98023 75164 87982 79821 93058
43655 71650 19440 74526 11134

15856/14767/13428/12183/11477/10227 kHz, 09-12, 1400/1410/1420/1430/1440/1450 UTC

07467 00132 39485 63306 97696 49255 97304 85172 77717 12132
94661 75280 35872 55347 12579 29425 27936 41796 22378 28082
58750 78879 71027 66417 48475 88897 39509 30328 62099 12091
63817 73902 90995 75033 62220 18483 57871 90421 00309 63031
52765 31505 98166 11186 60713 59134 87178 29227 85362 19637
41174 55629 40266 17383 19908 17082 63750 66323 73923 72790
35706 42092 74702 12650 54156 89670 99088 15795 45405 36902
56194 94237 46393 83811 55605 09102 10645 27139 73310 81466

97786 99034 92106 49830 12524 21407 84443 42785 26779 41255
83155 71543 75065 48770 11087 45630 19859 53985 27347 76134
63443 62270 25242 86460 08818 48500 83383 74413 20183 75928
01434 75359 77272 82305 42337 97081 88310 69046 21915 58464
51974 88054 95431 94075 81932 33182 13336 79671 88497 66506
07705 31540 56233 61074 37233

15856/14767/13428/12183/11477/10227 kHz, 10-12, 1400/1410/1420/1430/1440/1450 UTC

04084 00296 27950 76743 70623 38072 36789 50881 73579 20461
45010 74369 49876 69064 68825 35821 33358 76682 17197 85813
29825 57766 16156 05289 03243 96956 87798 35102 98010 46526
32913 97385 88298 49173 54159 13049 21683 57568 51344 15035
44891 91311 66982 71463 63587 40618 52784 83774 44442 92416
91498 18917 84135 38044 44619 29158 16459 48703 93505 92089
01971 44206 17335 19641 50014 18669 98267 07734 95731 19254
06674 91820 68616 25754 41292 93692 16118 21427 99438 09568
61609 84654 54898 97424 00585 56811 08906 99129 84971 40558
34228 66844 16533 74738 05235 50760 41338 65729 31777 19644
03168 72962 58130 93256 17434 98454 64220 10650 46003 49377
87072 38718 97426 16928 97652 57400 04775 83507 22461 61732
89188 10546 63718 40677 71956 62046 39071 03883 78031 84277
64064 79521 80182 63997 01830 90647 20269 99434 08675 67114
55306 56755 63159 88483 78657 25073 19491 77204 22887 66186
83277 68724 96923 78232 16340 49870 54205 86714 89954 63640
84755 19862 69028 54864 01093 27894 13462 16653 98097 88669
14990 64823 40820 35407 97325 11114 31103 73456 68419 89884
33599 31748 43779 39883 01840 03137 13371 05109 56071 31616
81943 15089 90476 09959 77898 41136 97968 04830 45319 51301
31128 02959 03729 20786 51554 24703 28112 86777 75239 17116
44435 25576 65927 22591 63918 08253 43538 73750 20911 25067
91100 04355 43041 20549 84098 53806 48574 21437 30105 80598
10569 41214 65390 68208 05265 72930 58914 42879 19380 87209
07507 67912 12918 85156 39407 11357 00949 72937 63757 89202
25735 12525 44331 13510 56770 01829 29335 43587 57683 19446
54096 57935 94233 41077 87635 79938 17463 79360 63138 05348
08768 78638 58653 29596 57370 45354 26557 20786 92084 87695
10373 35063 15086 92171 21737 26521 79393 22814 60154 41115
65883 02900 60745 21054 64934 20293 05365 11562 51267

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09662 00292 98629 26148 05991 26626 60828 35130 92735 24873
94385 95906 58503 89446 75838 77549 78987 17968 76065 16706
20416 36907 19419 79731 19758 05187 10586 64823 47987 71878
19384 22925 85126 04642 21506 40871 96305 16634 44565 96626
35455 04320 13106 11175 37208 85857 83617 32855 63432 03593
74972 52467 45852 77932 82518 03977 40819 34992 08180 15914
33174 48791 13682 47658 38001 01716 54724 08174 46970 61356
48321 43154 31626 66431 65914 68395 87252 61510 77630 30703
07930 89274 69105 58199 50234 89501 61254 08844 79764 75574
48718 94591 83168 47565 79652 63696 33867 73174 52935 47189
00927 41291 68637 45590 05719 40297 81795 24682 61267 76650
92288 52822 39212 50675 09664 92132 84798 69910 06368 79132
69809 06649 21404 81226 61574 45077 91816 86698 03517 92210
56966 54155 45870 13346 25336 25495 22871 22140 34044 44816
58847 93603 90203 17157 91832 74982 87229 34392 95100 32003
73247 40429 54775 27900 73137 30829 44855 44845 29106 48358
63005 32964 32235 06120 88547 81163 47242 13701 24292 07856
87050 88637 21320 59703 78117 35516 12604 67744 37428 11096
09819 96977 22466 94373 82369 93825 25645 14415 07071 03868
67258 85219 57614 76904 50222 02648 55239 42166 52219 31823
43713 65927 69723 04220 45249 27139 93404 28102 83899 65979
88619 91210 84527 34681 13192 16343 77341 07315 05904 47516
18157 56697 28882 00116 51531 53158 30171 96865 30332 27073

35450 93742 15114 16073 42552 58118 83414 86571 59434 89290
56339 10825 11654 80966 41357 58104 55102 29123 78310 42896
80535 42854 39789 69532 89628 67243 29145 59847 91580 71514
46578 93249 70311 38224 61052 73721 42009 54356 16350 97467
98267 25040 55034 59216 94753 97543 99052 69326 93951 56015
94207 41738 50510 54517 66956 55147 37493 47077 51941 98845
01839 35742 99264 76675 14016

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02964 00265 72693 38787 41682 98472 21706 25718 06427 74934
66519 82445 92375 65620 71697 86315 48135 66507 90358 73760
18626 50541 28381 11019 09551 77010 58703 51860 60194 17447
52570 23119 79435 41255 92412 97600 02634 22990 20763 65830
94988 28451 46019 42183 12343 85786 39300 53852 47486 60568
34998 60549 60687 42903 14669 48587 80092 90323 47356 30501
30436 98304 85771 69667 49768 30005 33464 75733 07385 90649
33827 33742 87340 41023 02337 76819 34602 94190 48305 23870
70319 10559 74649 41320 90128 18284 37002 20500 99592 91810
10571 78127 27716 03626 36220 04199 00172 32395 38237 12332
65547 48360 27127 26082 70672 43949 81873 44698 59782 66065
42404 58812 08872 09492 70007 83846 83384 66727 56477 60952
72038 41426 20354 75026 41226 16221 73229 53990 42454 52830
00797 59877 89118 97168 36022 26670 87920 76243 54122 40375
71256 49475 83169 00800 34622 94707 13913 64466 81595 23531
41362 25027 91393 54932 56242 19670 59493 09380 14186 67660
83105 78931 38221 07453 50131 04476 32061 18335 10976 21866
93025 72894 24177 08600 23191 41369 86717 02714 89483 69296
35864 52000 69296 67097 80461 29265 58405 27061 81708 97426
98227 31241 59355 74243 86378 63372 55905 65222 15556 88150
45097 34431 07426 09308 12911 30810 81767 04022 21812 31385
84179 25874 25232 89756 69085 03898 27061 39074 45289 68583
33719 84318 86992 55618 89901 07189 27954 89872 96995 85264
11404 44608 12426 16453 56988 29043 55537 03900 42881 71734
11629 42512 43263 57145 77359 28071 02601 38243 87775 00155
00386 37127 51702 26149 74606 00609 17520 09838 67077 79652
38658 63216 30125 85592 38862 93938 03076 55307

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08447 00265 31042 98478 71036 42433 27423 04764 35352 26623
28830 05705 35255 57702 51834 28413 75100 49023 46600 73806
59508 00598 20567 74240 56577 84726 90448 80110 44130 30033
30390 84739 52329 16179 63036 15173 74483 86440 42814 11848
79336 00029 22092 18481 52765 35985 96786 81013 86148 12893
27033 42682 41170 55234 97243 90283 16942 26441 55288 64442
60554 54594 40751 81657 81718 45466 45867 11407 81496 57770
58863 52369 90830 82170 66689 76753 68650 57121 88807 82097
36973 92066 84722 03324 10961 77501 45870 09911 37453 30577
49746 26365 17952 26022 04111 45427 71736 57307 36259 57920
70356 97632 72088 99587 42948 41515 66129 68176 71080 16460
61055 41872 82475 01782 18810 22046 77819 46665 59348 57330
08548 72852 20304 03270 35037 14435 59746 81421 18033 45207
14526 57277 38407 32945 88968 54692 51353 03581 19758 33060
26848 25930 00241 15976 97034 91475 23099 93960 54270 07246
83391 55509 11178 70242 85261 44324 29017 89084 37978 43583
94717 21686 02257 20990 79408 06477 19494 81835 63213 15306
33585 99737 56805 17218 02533 47267 53414 73544 83460 04162
32215 07251 26151 12767 72860 67823 05533 21253 91032 12949
76595 14618 28920 61729 09127 61538 48435 30682 85071 02826
04758 74219 98234 34566 54991 59417 33377 91857 88593 92727
56150 65733 80045 55565 26088 79061 21141 71771 34419 87137
46175 96272 65110 68628 47841 71999 98697 60491 18044 83202
01853 68667 87373 88144 53706 56402 48879 79061 74813 45316
01866 64887 94642 08685 87526 15572 93231 39103 31181 37492

59567 26604 09067 51229 17551 75602 41647 08669 73152 30505
15101 73940 69570 93687 75631 85928 60550 07462

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09016 00167 59094 31419 93989 37073 36762 15568 58038 08929
73034 55757 93130 82363 85833 03598 48775 95316 58089 17730
84291 25704 29763 06370 28207 95932 25290 05763 48373 61358
54027 92122 65381 66762 48735 45460 71456 85020 74436 94556
03723 66662 37514 50813 16555 03376 90990 43119 19396 98290
85315 37272 33802 28510 28622 13685 20467 47747 60486 70263
03198 98084 01310 29228 51143 14765 00945 99477 56896 47283
88978 91757 51433 01861 34453 83178 31926 10266 71902 41466
38670 34439 59963 31261 99203 15439 78515 55222 75860 72268
29747 45538 80142 74818 88033 30505 92847 70041 99834 74442
33179 39303 30588 51664 74408 91697 96082 51054 86907 94038
57605 88090 12433 79754 41135 04339 40311 29023 51042 62670
97484 35344 36695 18211 77419 20618 88530 75477 66680 93180
88462 02291 29255 40498 54534 12510 99700 84909 42455 73125
88105 33110 86192 21146 01393 29977 71361 08647 52791 71432
51654 75173 33343 63581 44671 73485 05641 54713 46913 19364
46618 15946 31322 87827 16347 85530 80730 48460 05359 76701

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09514 00217 08496 85770 93993 80831 14536 70999 08817 20538
59663 37461 26034 52138 75780 05820 84446 18993 95286 38471
99241 92863 78252 81572 73198 12926 20100 91937 99365 13757
22743 68259 62691 77143 61292 80447 85343 92664 19440 63357
32221 00725 53871 09151 51402 77795 47864 63133 94418 71639
72742 27103 32861 84135 77821 06314 50498 29431 81199 65899
39282 93422 54968 28978 99726 56835 48321 68568 85216 41517
76000 31016 25167 60742 43290 47652 41757 88227 47396 33549
33093 43105 55492 07588 88577 69336 02268 01723 47162 83475
57651 58317 50835 33812 90354 06848 34571 25742 18558 49818
54255 54110 99823 04022 86390 04879 18763 82025 83543 10317
08580 90344 05419 12295 83863 40958 01699 22953 78575 39441
98369 60956 91764 99426 82657 98010 45439 27003 13394 60935
45183 61889 70741 36371 28394 59601 88766 83602 09215 15881
06213 52237 75770 92182 99341 26133 00890 16520 61234 52406
83052 03700 90907 76768 27986 86095 01074 60270 88510 51257
84713 14284 33740 89151 73060 31771 64427 53842 17336 41002
50640 44109 97577 98575 50729 99706 21645 57012 11742 42656
55257 43441 47146 80022 28443 32295 63130 78060 23608 40384
32334 71714 10484 05748 90319 91369 29451 40882 60829 18857
82994 38235 67122 26850 07912 91128 03881 90409 58426 89607
40257 13865 17955 28212 11864 22643 95053 00319 61857 45715

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03076 00274 33950 65852 93737 02058 24677 49286 38720 02122
11122 88347 99906 86185 63998 16536 81727 03459 66716 49651
40366 71230 13989 81626 52689 95824 29911 78050 80047 36928
22496 14476 13988 13761 91117 41106 35642 05059 34398 51166
98318 11211 03303 56567 52267 57122 30446 42551 93939 90263
85480 76732 39997 99949 31958 23867 55593 75538 85237 93969
01770 76907 47057 74959 43551 89679 93266 47896 15554 04650
53465 65252 70118 04483 95088 88900 33073 59610 85279 04373
50720 02576 85158 40472 18284 43397 44264 35763 24852 33784
00652 77976 79501 33404 92749 69761 05457 48747 66906 38838
08635 82155 79265 14027 46038 22776 70471 19198 16189 63345
88554 48342 55397 65453 13136 74232 99227 95926 36663 62202
18713 47196 95923 62128 16289 57409 42201 02192 13067 86336
31011 46817 73092 72803 41196 86511 83146 32096 33915 82139
57291 19042 80608 31628 52949 02038 55225 10125 31567 37922
65854 38801 99667 38447 20475 36266 33711 96672 22016 44994

42549 61190 76147 51557 71615 99311 97221 18314 75675 50530
29316 25399 68980 03935 78319 14969 93918 03058 54327 85865
21282 45225 75790 39800 62349 24130 56317 71183 41801 07404
07758 98889 04819 02523 18965 44329 50880 89727 92393 03610
71182 27003 45584 04910 14343 84035 17221 38168 18782 47453
54409 38633 76742 73260 12239 27519 10599 73138 51721 40255
04742 31116 53443 61855 41985 94024 24958 63176 51062 16394
32701 94982 80864 04956 30089 21253 21171 97839 13247 52322
77821 22819 81350 79145 25555 98504 97035 42868 69741 90740
51979 22271 47770 11095 40458 37045 90008 77333 20154 91040
79896 56385 41712 36782 38653 39918 27648 92133 14488 02020
34116 93252 67203 64332 04351 83863 24247

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01192 00193 50342 56152 19686 20169 36932 45339 67320 39459
40009 19267 35000 91927 93765 35382 35664 36840 52665 06310
19270 12445 65334 79357 32412 66105 71271 33963 11494 08327
12837 94143 41498 52620 40716 18562 83923 42891 92439 07419
71113 05776 08424 11254 24700 16325 33475 61783 85031 08187
85976 34102 32512 74678 94325 73490 34447 74701 10659 60903
51407 31619 90109 97044 27656 97728 74354 10463 57512 18560
89451 85838 64421 56667 83308 52434 02120 79736 62087 13296
52981 56476 50597 32124 68201 63526 19579 82205 14070 56103
82959 69965 10204 65799 10072 28596 92487 99973 83643 02024
98102 81227 84996 95325 66050 74642 97257 00469 87705 44684
48877 38604 45897 01325 81736 88005 37797 09574 24314 39724
21335 21599 48541 77817 16573 48694 90853 13434 93589 48997
50552 65591 45650 39919 33477 70789 58619 84337 68420 37085
48893 15875 58705 69461 96643 59274 90825 60677 26571 70363
43466 72368 13025 49459 52689 20825 46639 66267 46095 74326
75768 17563 63104 56838 86874 82720 87658 98947 91621 14040
15938 16029 99265 87625 67359 70663 32228 28267 28748 98073
38794 42430 00485 77072 04952 70870 80929 54284 03856 24890
18242 88276 43732 91180 24132 51430

15856/14767/13428/12183/11477/10227 kHz, 18-12, 1400/1410/1420/1430/1440/1450 UTC

02197 00254 87555 63081 00210 72287 56064 42492 55026 54376
77861 60270 20572 27911 39156 40944 29520 77347 30680 59204
75252 86306 51828 34365 54437 32250 57907 76992 03371 21406
15648 30989 53700 81850 64444 11614 17289 01414 67006 75273
13899 61107 23747 70900 77614 94377 58983 89382 89331 39638
66265 37750 27431 33819 87181 83290 97090 96329 01880 14918
91439 85357 94840 46522 70518 79279 33111 82692 32859 63375
49780 85252 92654 53732 19509 52021 45524 36202 29162 15313
36053 53694 55048 46400 90609 28987 99988 84089 90256 79788
41204 29051 64825 55269 96601 98031 21003 76945 84463 51000
27188 75295 48648 43887 96701 42965 78029 50215 23991 98979
13121 59073 45637 68343 31635 56891 62274 46703 60470 67615
14545 96876 90156 23883 91206 36938 79640 27725 78944 59908
29885 91471 26499 94644 45635 12850 47845 81881 12002 03955
12463 72434 72867 58030 85733 15604 72309 13208 56443 84327
23647 54032 16496 59776 25944 11304 71331 45933 62987 92588
96664 73195 41085 03071 90439 96075 95414 05684 04989 52036
52779 91275 03336 87834 56130 40643 75709 77625 82933 70510
83791 90474 95737 55249 00585 26792 44445 38890 63976 34668
17129 78938 32540 41374 77342 70712 79111 62257 58406 47571
21910 44791 70711 30334 18898 83378 05090 60907 15330 51293
33230 33922 11001 19714 20252 65483 60335 63796 21786 04218
54141 21603 88095 07755 82752 03492 12208 29912 56658 31735
37760 36621 96681 55002 18620 15268 95049 44695 63703 80832
70703 41458 73931 36297 19056 80592 16840 88004 30017 23389
28961 80144 45536 05423 45143 18983 12630

15856/14767/13428/12183/11477/10227 kHz, 19-12, 1400/1410/1420/1430/1440/1450 UTC

09257 00283 22976 95790 61922 17500 49186 62356 58542 36887
53004 58210 35274 30100 61224 75499 58625 08040 80243 06898
24780 31866 03215 48924 49692 59793 17406 01821 80370 48189
16554 28865 43924 29145 30705 46887 77892 41964 22177 41138
47636 19490 69987 65909 10402 08031 25503 91530 56967 33390
91036 42506 28177 13858 59604 40839 65131 14239 65468 65185
95804 05092 34209 77866 61451 04927 99979 17081 64216 22470
96528 80294 55722 44408 97049 28299 70218 23691 04136 06091
78381 26126 98296 43649 07598 45689 58372 97495 62321 22161
70690 92396 69231 14477 79683 83286 23061 51463 63439 69019
77493 83852 50533 29626 00740 34397 93089 59123 23947 68106
73859 79089 39873 19637 38383 61363 53320 65591 68220 24115
71723 89912 65344 96677 63721 45171 10206 45191 65365 05780
58339 33509 38191 53389 35750 09160 97276 36802 10097 84459
62996 91739 42999 65437 95267 34781 65663 78306 28518 91101
39170 10313 43913 85352 82465 10078 13768 64862 74261 88379
38573 14418 19521 06326 46635 30746 36375 38927 19770 79950
24005 61210 17045 56778 26054 49927 30234 85228 26826 49215
11178 54561 62946 04607 93595 68880 47765 19558 49601 06466
93145 86212 75657 94284 19113 97575 93120 15207 56320 82032
53514 01015 01452 34355 31109 45804 76150 57080 95146 42896
49478 32520 42968 39857 53555 70735 27930 82366 32775 76452
43320 03821 34177 63550 15284 36708 05110 94620 43153 81908
31851 80487 35830 73068 26256 83655 16715 96591 89856 94845
41316 69383 44925 77781 17040 28697 35101 03549 03767 40698
17934 61813 82419 92915 42291 80375 21705 66864 95410 78568
21444 94025 57051 64453 23365 98183 95693 06356 15509 14804
24925 88885 12196 90020 91892 78374 49130 46345 28505 83639
03595 15008 85030 11881 37668 21241

15856/14767/13428/12183/11477/10227 kHz, 20-12, 1400/1410/1420/1430/1440/1450 UTC

04157 00170 90998 88574 83887 25971 62736 05172 13027 83820
38090 52940 80697 62638 27742 42509 97767 82820 76764 16150
56448 60565 37851 13018 44430 69100 80993 22270 76167 97142
85966 12142 79567 28928 80211 82750 88672 20232 01853 81594
17964 83857 84533 82734 15598 71772 77819 19034 92753 55525
54143 52976 65120 16432 92395 98062 16527 25373 89268 31442
81195 20284 72344 90857 62603 90711 74543 05564 23536 66718
32965 65066 23066 26814 34105 37236 22528 44887 54901 92873
97674 81812 82793 07781 88039 95085 09507 55789 35669 27071
25955 17285 30061 87718 49988 22446 25263 59046 73926 25040
50897 25162 83813 77326 96250 10616 71031 17391 97317 44898
41771 87296 19905 73591 04416 12085 61731 54223 44339 08360
19887 07519 57439 01690 20267 60025 39484 73850 78027 60039
81457 06111 07356 63692 63183 49090 50736 15803 02730 05551
34012 50523 06206 99085 15552 45782 84477 19501 19572 30670
04600 89598 02704 62434 04074 19838 38072 47479 14610 81526
15329 64968 80205 12070 88742 67965 03567 84775 97780 12668
61717 27993 40453

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06075 00230 20625 11083 24759 88098 16429 64581 65438 41593
03349 26650 15174 66428 76276 79364 62157 72927 98979 03782
87305 41682 23904 94506 36148 96475 32446 88092 65104 68930
68628 16816 76928 08535 03570 85091 07169 55255 20835 95924
83589 23810 65806 95223 45983 05220 25853 72276 27058 61865
32689 33659 70517 07378 72551 74496 96576 09969 46778 11988
98188 07071 88680 15747 08674 05770 54617 05795 28141 50977
53517 11337 59376 32519 58884 26259 06994 19436 91310 35487
25782 75665 49747 99424 47159 44780 62486 58176 62781 03940
30133 53287 38858 25982 18758 29349 04277 50050 16293 73298
44119 53540 50887 95183 14470 45720 87455 53081 15645 18414

32356 00314 06242 76231 64261 68929 61687 64884 59931 52127
45008 89640 10117 99476 37485 64955 47754 00508 67382 57852
57363 71241 40185 42677 84499 63650 96329 63117 98183 65427
20083 13467 35631 77999 11597 02553 08378 85487 29443 41776
86536 05113 98837 41853 22016 26053 84894 33017 24258 40169
23234 56464 45584 49983 11680 79421 14360 52458 78372 78414
50337 16436 51152 01879 15496 27953 85376 01088 88183 66842
60613 06365 46897 07491 80081 23560 58426 88146 48334 19102
82934 69700 60660 51539 15927 06749 32541 28180 80149 41738
94810 32653 92317 45247 70720 04533 88350 94338 91541 57075
89251 96510 87325 08708 02967 54214 34874 96840 28129 28390
60985 69686 54477 48686 40395 10674 70307 34917 90985 74454
41426 66933 64156

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06174 00104 53782 05855 23138 53406 02136 22766 52003 59585
52285 76342 22229 31329 88290 92092 68640 79278 68343 29710
35387 70385 46415 45811 39533 94757 94999 15863 66423 04189
71696 49958 33705 06424 97185 64303 42960 88024 15380 38363
30930 09830 95913 04107 16172 34372 81769 43560 80625 66140
86291 68107 66011 88229 69508 10926 62873 18852 61494 29417
84953 91200 69940 37289 99793 44665 15847 23343 05756 62980
57617 87929 45658 11467 93849 42226 25750 39679 53158 59265
57210 19122 64656 97044 24671 62354 40570 42648 47442 06589
78713 11494 86588 59942 61650 49151 96466 53449 37600 81667
17052 62118 19984 21912 24459 84552 23625

15856/14767/13428/12183/11477/10227 kHz, 23-12, 1400/1410/1420/1430/1440/1450 UTC

08062 00146 81136 68473 78825 87547 21478 46743 01250 59962
09716 61310 13540 67342 01942 56319 88926 34301 23531 76754
85431 89280 08111 33286 23339 66634 98871 34618 31401 41328
44981 52144 23931 10407 97192 08314 52340 48956 02165 01189
46349 73950 69999 09437 30847 65541 97420 98953 09440 13264
16806 48973 18531 84780 20996 45335 22890 29366 18111 23131
66362 17842 84510 90529 80128 38774 04029 68178 41938 62002
18833 65188 39191 43324 09834 70732 07642 25792 16385 59924
39762 29485 57868 52679 86493 36088 71598 10029 21837 38700
33225 65838 69698 42876 41487 78119 49075 38242 62733 24843
10935 19458 73634 79844 59440 24154 20688 49624 44754 25385
36397 16422 67906 77740 72699 01808 60290 56607 74497 75786
58987 19407 97445 65990 00672 38722 54932 81319 62637 00031
16785 51164 32172 47017 42894 83302 28411 87187 60676 30912
20856 87737 17141 48063 76130 45030 74279 29842 20054

6984/5884/4784 kHz, 1600/1620/1640 UTC
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6984/5884/4784 kHz, 03-12, 1600/1620/1640 UTC

00260 00237 89095 93195 02443 34737 37806 36360 18768 25449
77081 67828 55937 71226 57201 78415 80640 58363 52965 35459
79745 32773 73292 89000 12672 15396 30269 11939 31649 26481
26664 83567 91842 24161 90802 99282 23906 28179 23186 62050
29734 55732 77222 34027 95379 12569 07003 49340 76846 97536
56245 26474 60258 37062 57425 99006 97808 73345 17144 14909
41413 12223 77368 48829 87630 54115 93176 02848 07997 85348
68688 08362 86360 41558 64774 25439 52143 88467 88425 71373
59266 14434 53855 46658 44733 79783 49932 65092 89285 08121
10783 35910 02210 09380 46663 17248 87724 80495 85069 86340
69758 47528 29615 00579 38733 16195 84463 73629 21363 93415
15556 19219 63307 34576 99991 28280 22158 48127 02846 97972
54349 10971 59998 15491 28581 41963 44137 94839 51177 78507
92841 75376 06183 99866 69456 69688 41302 92524 98048 22180
53726 90794 24215 14813 77887 54335 85808 85556 19203 54726
14186 66935 48665 93352 49596 47818 41612 08670 25194 09723

69421 41334 95499 22044 61037 37522 42894 52198 81936 85405
27909 63898 94866 12713 38153 54955 73523 26320 02241 25213
38849 05820 44918 14222 65905 96150 26130 93519 02938 95092
34269 74224 90427 90043 54052 77295 29345 43988 78764 97276
83268 35893 85303 67511 03083 95721 79419 81739 97418 82540
39870 55933 25916 57118 12913 82342 67717 56773 26767 69244
95301 44367 68918 67086 47128 26369 55198 20177 88161 75162
24587 68571 87129 92599 86293 57393 89157 11723 65297 41047

6984/5884/4784 kHz, 05-12/10-12, 1600/1620/1640 UTC

05757 00263 73795 11980 01406 74352 81283 19579 73249 06531
38006 76977 28803 34899 31739 66955 25150 40247 96844 50899
03725 29526 91222 52786 42012 28677 04410 69386 98519 17254
54176 98304 04100 36657 05686 78850 53572 65857 01739 14991
03967 74571 04437 46508 75151 90039 70227 42799 44146 26668
09850 26920 69177 07194 03392 66148 78343 97035 54733 34366
07979 67235 53722 24979 66639 42086 67914 81394 77713 43325
54811 26860 37549 87669 62335 54765 47885 49182 36001 10437
60002 18014 46212 46613 50150 25980 35208 68584 04437 33609
93318 80669 02952 56047 50262 44839 15410 88549 82555 72634
60014 45988 55623 93798 94682 83334 46530 02741 85802 91870
73255 36763 87754 98069 11295 87654 89291 12912 47884 72030
88368 91646 08924 91443 38976 53676 91760 07917 68188 69431
70082 41311 58757 71212 52732 38254 25022 66097 62732 70723
68190 60554 58942 92211 65503 74356 99185 78343 70878 88280
71936 22586 97043 01132 21520 36706 75230 82635 45912 26768
40575 43228 35118 43922 66803 59667 21709 77652 97041 02112
74535 95554 05378 02830 60681 10460 64881 38888 25498 11616
84502 46761 05144 17785 85190 79234 72731 73329 27613 78274
16595 29973 79369 94417 23841 04715 27480 73296 11441 58579
26371 01597 69966 88862 41767 10397 43461 47668 90116 50014
86873 40929 78833 10118 39652 17857 60661 80762 91989 06199
35866 48796 44931 25834 33746 52413 66788 42803 88953 80812
72066 36954 29030 05319 26316 78322 98378 12953 61087 68733
45879 88321 58856 05319 82155 02912 50871 92136 27248 44865
67268 52623 11056 90088 21768 27585 68865 55955 90372 74564
56903 44555 52963 41140 72617 11625

6984/5884/4784 kHz, 12-12, 1600/1620/1640 UTC

03294 00001 00000 34264

6984/5884/4784 kHz, 17-12, 1600/1620/1640 UTC

09601 00001 00000 34661

6984/5884/4784 kHz, 19-12/24-12, 1600/1620/1640 UTC

09758 00280 61249 55064 06068 29931 20163 03707 53568 79452
76331 61599 66494 86828 85333 62751 73983 24917 04191 13306
10408 51635 98521 24647 43650 02918 33103 75043 25695 78163
09933 66853 39640 19841 05572 72541 32356 61192 63067 05440
50115 55614 78588 24703 32455 83250 80849 62189 63867 31973
82421 76148 07486 01985 71769 33498 61991 57666 43716 87837
37324 18462 64292 73357 62408 30425 67034 50362 18357 65174
52473 48558 14114 42514 80147 35605 64836 14634 47470 67196
07518 89231 38329 38216 50616 51102 18067 04264 43738 84763
98860 05101 10216 52646 76682 80080 73238 69625 03509 67261
09249 19945 45701 09311 17937 45389 21452 26411 04237 06982
66878 68648 04744 63017 25739 92753 40520 27208 22834 97216
77772 57131 12646 81713 34113 17963 65898 33037 35063 44322
65568 61467 14863 12493 90384 65193 54507 29309 56187 54927
26361 53864 84994 56983 26747 87332 34380 12620 89485 24195
17400 45358 84862 45371 07387 42439 80512 47427 19281 77366
02737 70399 29032 69407 69634 93153 62051 73281 02636 64295
70453 79645 81940 98345 98156 34194 64344 35153 64662 06399

48905 51974 01678 21400 46162 09109 20547 58254 43920 71808
41277 66206 06351 52635 60362 17426 87274 92446 40637 96764
63493 54995 98272 33373 20431 26626 71713 54657 78313 57117
98464 87591 93315 74741 56514 01115 26415 67134 61507 84889
08354 53489 38857 55025 59318 66957 64596 58504 54429 52232
59614 83169 97315 09168 79469 90585 29180 35494 94556 03978
74913 89976 72102 57187 81087 04218 34100 66203 02212 32348
85150 84050 05327 84123 65791 45078 96121 12068 97851 86871
14210 06402 87156 73962 72358 67893 89052 21832 65384 02476
07150 55424 60703 93926 17913 11351 82670 70117 28346 02388
29810 16832 53762

6984/5884/4784 kHz, 26-12, 1600/1620/1640 UTC

03250 00001 00000 32260

6984/5884/4784 kHz, 31-12, 1600/1620/1640 UTC

02214 00001 00000 34253

10807/12207/13507 kHz, 1200/1220/1240 UTC

10807/12207/13507 kHz, 04-12, 1200/1220/1240 UTC

08309 00262 53630 55253 81520 09974 20957 37711 93165 20201
76489 66860 95521 08840 38963 73204 54912 84807 86722 79223
43906 65754 70529 21846 35542 58350 23321 26244 20036 79080
58263 46665 05810 52984 46759 22915 31185 73847 13387 32240
85493 64150 59357 02446 39167 96346 52481 56416 06367 62546
58167 04581 38117 31981 83675 90052 36134 41522 72779 06325
64775 13071 36159 28292 01370 64371 02199 13238 69749 21369
49753 77915 50877 22662 82038 03513 45194 91228 30180 05658
94584 79949 94540 18101 07390 29605 28419 54259 51614 59409
25439 52027 13567 03148 63507 98916 35955 56586 20179 46368
88649 56328 25627 62593 85827 76066 23331 75921 49639 73905
45671 34954 46633 74374 84278 86672 88847 88996 92333 23157
80353 91587 38559 88325 11701 33583 03051 47196 39432 27063
14760 19773 05588 29401 58207 27740 76195 26416 43820 35586
78914 57005 67058 07684 15245 92368 37770 73834 84127 42388
88317 54676 91004 70560 31826 36966 82970 37516 50058 49318
78335 32956 36870 25467 31285 98972 22535 51912 27196 37894
95778 42758 40631 19731 04742 45441 21992 53096 84953 12481
54744 53838 12296 47388 58416 53552 65530 07613 85704 85409
78094 49046 44732 98023 47800 87395 25367 47084 68122 76130
27843 30831 45280 21298 42512 53055 08748 21886 73340 40585
36132 94468 01605 97636 99245 74081 12199 83483 02393 56455
89040 08579 07809 38842 94382 90464 95391 06649 39446 89023
05417 27841 85433 42521 90335 48440 78778 32030 43751 26851
14016 23104 48427 49516 50449 00815 50820 76348 48211 19528
01036 83589 22718 97468 72758 96685 81145 41264 04864 68832
37582 46032 61384 33837 75270

10807/12207/13507 kHz, 06-12/11-12, 1200/1220/1240 UTC

00226 00204 77782 26649 19522 87613 81755 51319 61629 52098
53227 57561 81091 23953 68425 93082 65209 15227 47333 91744
43671 05902 98415 35162 53477 27066 69713 39792 49019 61863
75204 99889 87436 11871 32964 11755 60924 56112 47429 71703
99001 10297 98819 89744 34296 17981 62985 16675 19555 70684
00022 13818 67497 28120 48616 83835 81629 65998 49617 18476
29816 77701 61971 94966 23985 77581 71360 31839 09801 67301
59966 97378 61435 13843 46595 03266 80713 77181 56723 55148
13467 07904 68174 03939 45516 51307 25988 24662 70791 16651
05066 47918 61401 36700 48999 99908 78534 15165 80120 66842
36490 13116 00007 83476 49586 66246 94168 29871 91411 05214
76048 07757 93587 00326 69111 63158 70908 96110 06524 94442
72775 04492 12613 90800 40210 93428 93461 28786 02462 60771

27170 48280 17154 68597 54225 70409 58177 89981 48791 29619
40106 91292 04136 58504 70400 99920 43531 39222 04176 78320
86807 98736 70944 29804 38807 95867 39305 06617 32715 28487
51658 40211 88237 27297 09317 54518 35476 19095 26532 54737
02306 87052 36106 64520 44187 16400 58700 54649 48135 75891
04079 69761 09268 82821 68565 69780 49727 89239 96008 49856
28246 35069 01147 83671 38581 68775 96000 98471 27176 02787
06259 27185 31317 79320 36703 09000 40371

10807/12207/13507 kHz, 13-12/18-12, 1200/1220/1240 UTC

08493 00188 59217 14763 51122 54932 94993 41475 89088 30873
42610 73208 55574 16584 60781 83834 75306 01824 10187 64561
36637 09229 65799 72456 57572 88783 28388 94015 44851 42609
69342 37542 06117 85189 67069 16425 27877 36079 75115 97195
37939 96920 84400 35232 84762 24368 28838 51221 58911 57639
86227 25457 66834 41514 73691 50124 27699 45936 02923 45165
36107 88657 36312 94191 01228 16499 69924 91585 23578 06850
10782 50339 29959 48132 39537 88804 64118 54942 10451 86664
14278 56095 30242 36351 86488 92119 07522 36570 14668 60085
93095 29009 78101 32802 12005 98452 27931 59181 76616 86804
18350 85234 58953 78908 12424 89598 64661 62385 65624 06319
41071 94883 04409 38967 27244 59449 72664 04849 61412 14390
33908 41548 64618 39929 25541 58691 44270 81976 18441 70785
61643 56754 22758 43379 70460 60387 51771 17800 39035 21423
83597 48303 87382 57361 04545 73207 46917 07951 82453 45484
24434 84318 47682 00854 03537 80926 58839 47199 68493 66473
58971 35569 10057 50178 17655 72524 49383 01065 84571 31476
62731 26769 08728 10873 56311 81641 69539 20637 35434 45237
85572 29147 15966 59378 38738 39447 67582 32823 20499 46535
44061

10807/12207/13507 kHz, 20-12/25-12, 1200/1220/1240 UTC

00117 00224 02264 87729 15456 87546 91721 08313 88370 53432
62302 39903 97111 29911 88209 45991 28418 13493 23436 71381
64193 94267 86206 82995 33983 70779 71358 37011 32279 67642
68142 18115 12779 09149 30751 00362 11530 05637 41798 94542
56823 40142 05395 73529 83892 15274 25914 54920 62132 48646
09130 34695 12540 09244 66131 43816 64406 54130 38386 53783
37481 53043 60839 71564 22014 98543 86345 98474 34723 68797
91831 97988 96554 12126 78688 99974 76125 88725 32437 33653
31315 47010 07602 51619 34640 66000 95575 71023 40681 37300
19677 98508 83933 00565 16874 95385 67085 42412 49688 09729
13081 27139 17770 42002 01114 51119 29473 59803 81796 45853
40888 67271 72809 39185 03350 38125 82915 76160 61535 19133
95401 20466 56886 28299 92168 36720 29671 54711 29669 48706
29381 57706 07205 10680 11256 74469 43566 61878 55965 81161
23251 48039 80872 16736 30775 24936 16088 72490 35845 62092
97326 24979 65245 47187 33333 47311 28199 90424 37012 43709
34535 18300 25270 95732 94050 64554 07700 96470 52918 07180
29360 32993 37196 97028 46997 25531 02739 01668 90784 05790
09712 91630 24089 34495 43664 84479 77507 27684 64854 21483
01856 47050 12706 86661 58047 07501 31209 63674 15032 27608
94500 15419 51277 63909 23919 12739 62108 58903 08116 29169
24295 39412 39064 58105 79622 87949 16826 07466 19938 33458
69543 76771 22714 85011 03872 45021 20427

10807/12207/13507 kHz, 27-12, 1200/1220/1240 UTC

00290 00212 75173 72600 87096 54757 06241 50023 03545 22760
50531 00693 00064 02947 95185 61553 17057 37841 48283 66116
41798 34446 15102 07937 19573 24357 79247 05930 94595 86003
08049 97355 37859 67471 67936 94335 80086 97747 92049 02283
40988 76456 40818 73800 78994 63389 77117 38626 66061 62914
05609 04463 48232 18500 73825 20286 33110 04241 05313 88391

38353 83180 60327 89548 61036 94530 13017 89244 11309 30603
75407 16580 33694 85449 47903 27294 42690 48387 22733 94494
36634 59048 24231 76714 26430 33209 42097 04796 15831 73913
26471 13780 25437 46113 29090 12668 05425 41930 81961 93555
66026 52759 01458 47948 84981 12065 33419 93057 82143 20398
92443 08340 65611 31041 35008 22423 44835 44439 14334 03131
41687 06192 09843 31038 45982 77927 18931 60809 68987 29736
04820 22699 05584 05003 13352 60707 86935 95876 17484 63968
78792 03517 97117 22839 25248 87301 12008 30397 21026 67893
93426 51001 43123 95963 87723 15586 25045 44220 08000 61223
35708 36078 59502 76781 01566 83561 14916 00290 75483 32145
28372 36003 22827 94163 91832 76486 28168 26270 03261 30630
84190 94322 52818 54838 33636 81281 40809 87093 00643 17356
12613 75390 91872 91676 43741 85508 97547 10211 24993 96833
99669 83418 15243 85019 35577 84373 50935 41364 95565 78279
40911 32549 15093 67446 21334

11493/13393/13993 UTC, 0800/0820/0840 UTC

11493/13393/13993 UTC, 05-12/12-12/14-12, 0800/0820/0840 UTC

00465 00098 34397 72889 21929 23223 43317 33254 69539 01602
88664 41026 45865 68366 87794 03135 44337 28133 67298 40015
34822 99254 40338 35739 88036 06622 59163 12795 52123 44118
24189 49424 83485 12868 61334 64573 47086 61408 74740 15665
15847 85774 21230 36566 93828 96067 41767 14773 74634 07068
10572 44444 32797 08685 62179 51181 79954 33308 17781 12632
35945 21410 06936 72937 65636 45672 15988 77972 41576 36491
76188 76520 78586 44582 18212 91255 35367 52355 87725 91847
07147 47691 15236 08081 30321 11834 50743 92364 67920 34971
61139 11933 74478 69430 39879 33418 49596 21497 24160 65992
14550

11493/13393/13993 UTC, 19-12, 0800/0820/0840 UTC

01372 00001 00000 33660

11493/13393/13993 UTC, 21-12, 0800/0820/0840 UTC

02113 00001 00000 33253

11493/13393/13993 UTC, 26-12, 0800/0820/0840 UTC

06710 00001 00000 34657

11493/13393/13993 UTC, 28-12, 0800/0820/0840 UTC

06330 00001 00000 32661

13562/11583/10281 kHz, 0910/0930/0950 UTC

13562/11583/10281 kHz, 05-12, 0910/0930/0950 UTC

05391 00001 00000 33266

13562/11583/10281 kHz, 07-12, 0910/0930/0950 UTC

02876 00001 00000 40262

13562/11583/10281 kHz, 12-12/14-12/19-12/21-12, 0910/0930/0950 UTC

07831 00114 15299 87235 78894 01496 18848 91068 98316 44774
37423 10189 15218 15613 91234 06035 66797 20060 99631 77148
51556 21864 22349 39167 33236 41992 85701 86612 18851 18764
04469 58745 04735 63135 32437 20642 66772 00268 01268 31755
14289 74105 46433 37472 53957 18433 82828 98725 92633 55982
66322 14111 01518 50943 72015 91652 95849 65996 44162 18254
41894 37490 80414 72060 31201 07045 77859 06591 21947 27270
39177 83858 44716 59327 66951 18308 46362 51222 18079 48426
11163 46958 88509 93202 68327 18732 18491 18734 58262 02638

18032 46336 54007 53833 60699 32060 16489 60719 90449 21303
92138 09021 10865 38929 99703 09665 55052 38839 93925 81324
80025 13915 91555 39650 66441 10491 52103

13562/11583/10281 kHz, 26-12, 0910/0930/0950 UTC

09854 00001 00000 37266

13562/11583/10281 kHz, 28-12, 0910/0930/0950 UTC

04322 00001 00000 33656

Test transmissions

10256 kHz, 05-12, 1126 UTC

10s callup, audio stutters at the end resulting in a incorrect decoded message: 4025665196815979888846891

10256/10256/11431/12153 kHz, 05-12, 1215/1235/1240/1245 UTC. Audio stutters at the end

00494 00027 33015 82944 24804 69415 85317 10515 42970 27376

22336 81586 67036 73963 20854 88879 72269 77732 19469 27988

00348 49313 94468 94856 89320 09627 10141 55817 98182 77352

1245z

00494 00027 33015 82944 24804 69415 85317 10515 42970 27376

22336 81586 67036 73963 20854 88879 72269 77732 19469 27988

00348 49313 94468 94856 89320 09627 10141 55817 817 off

9142 kHz, 09-12, 1110 UTC

00626 00092 06008 96128 02517 34997 43393 41147 77049 40143

71591 39731 91860 09721 06665 29338 81065 74596 56377 42598

94981 55697 56839 48743 41568 93559 67427 55856 90083 68088

18294 64408 03252 74320 40333 65247 24537 15775 42068 01914

47046 40112 72531 98649 05378 06279 32872 33965 60556 09629

21127 67652 52519 41901 90323 93423 28450 57264 54560 08957

67568 87535 51062 08960 21848 07183 36478 17540 69386 41416

04800 65290 32528 54462 95551 54868 83164 58189 43365 35289

60686 33462 95299 80454 46961 50640 11888 61350 83995 46909

36796 67272 61214 33111 74130

XPB1

20044 kHz, 02-12/06-12/09-12/13-12/16-12/20-12/23-12/27-12/30-12, 1300 UTC

19344 kHz, 02-12/06-12/09-12/13-12/16-12/20-12/23-12/27-12/30-12, 1310 UTC

18544 kHz, 02-12/06-12/09-12/13-12/16-12/20-12/23-12/27-12/30-12, 1320 UTC

17444 kHz, 02-12/06-12/09-12/13-12/16-12/20-12/23-12/27-12/30-12, 1330 UTC

16244 kHz, 02-12/06-12/09-12/13-12/16-12/20-12/23-12/27-12/30-12, 1340 UTC

14944 kHz, 02-12/06-12/09-12/13-12/16-12/20-12/23-12/27-12/30-12, 1350 UTC

14483 kHz, 03-12/05-12/10-12/12-12/17-12/19-12/24-12/26-12/31-12, 1100 UTC

13983 kHz, 03-12/05-12/10-12/12-12/17-12/19-12/24-12/26-12/31-12, 1110 UTC

13483 kHz, 03-12/05-12/10-12/12-12/17-12/19-12/24-12/26-12/31-12, 1120 UTC

12183 kHz, 03-12/05-12/10-12/12-12/17-12/19-12/24-12/26-12/31-12, 1130 UTC

11583 kHz, 03-12/05-12/10-12/12-12/17-12/19-12/24-12/26-12/31-12, 1140 UTC

10983 kHz, 03-12/05-12/10-12/12-12/17-12/19-12/24-12/26-12/31-12, 1150 UTC

12119 kHz, 05-12/06-12/12-12/13-12/19-12/20-12/26-12/27-12, 0600 UTC

13419 kHz, 05-12/06-12/12-12/13-12/19-12/20-12/26-12/27-12, 0610 UTC

13919 kHz, 05-12/06-12/12-12/13-12/19-12/20-12/26-12/27-12, 0620 UTC

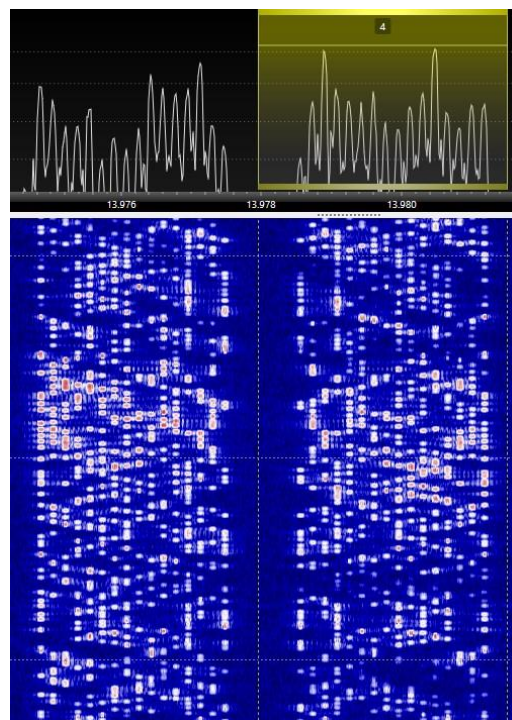
14418 kHz, 05-12/06-12/12-12/13-12/19-12/20-12/26-12/27-12, 0630 UTC

14918 kHz, 05-12/06-12/12-12/13-12/19-12/20-12/26-12/27-12, 0640 UTC

15918 kHz, 05-12/06-12/12-12/13-12/19-12/20-12/26-12/27-12, 0650 UTC

14978 kHz, 03-12/07-12/10-12/14-12/17-12/21-12/24-12/28-12/31-12, 1200 UTC
 13978 kHz, 03-12/07-12/10-12/14-12/17-12/21-12/24-12/28-12/31-12, 1210 UTC
 13378 kHz, 03-12/07-12/10-12/14-12/17-12/21-12/24-12/28-12/31-12, 1220 UTC
 12178 kHz, 03-12/07-12/10-12/14-12/17-12/21-12/24-12/28-12/31-12, 1230 UTC
 11078 kHz, 03-12/07-12/10-12/14-12/17-12/21-12/24-12/28-12/31-12, 1240 UTC
 10278 kHz, 03-12/07-12/10-12/14-12/17-12/21-12/24-12/28-12/31-12, 1250 UTC

Note: the transmissions on December 28th were in DSB instead of USB. See picture.



XSL - Japan Maritime Self-Defense Force (海上自衛隊 Kaijō Jieitai)

4231.5 kHz, 14-12, 1533 UTC, QPSK 1500Bd
 4291.0 kHz, 14-12, 1533 UTC, QPSK 1500Bd
 6250.0 kHz, 14-12, 1533 UTC, QPSK 1500Bd
 6417.0 kHz, 14-12, 1533 UTC, QPSK 1500Bd
 6445.0 kHz, 14-12, 1533 UTC, QPSK 1500Bd
 8313.0 kHz, 14-12, 1533 UTC, QPSK 1500Bd
 8587.5 kHz, 14-12, 1533 UTC, QPSK 1500Bd

DIPLOMATIC STATIONS

North Korean diplomatic stations

11030 kHz, 01-12, 0641 UTC	16318 kHz, 07-12, 1042 UTC. MFA Pyongyang msg to unid embassy
12400 kHz, 01-12, 0641 UTC	16250 kHz, 07-12, 1254 UTC. MFA Pyongyang
16252 kHz, 01-12, 0730 UTC	12400 kHz, 07-12, 1302 UTC
12202 kHz, 02-12, 0455 UTC. QSX 12205 kHz	14300 kHz, 08-12, 1250 UTC
12205 kHz, 02-12, 0455 UTC. QSX 12202 kHz	16252 kHz, 09-12, 1237 UTC
16675 kHz, 02-12, 0919 UTC	16252 kHz, 10-12, 0700 UTC
13966 kHz, 02-12, 1300 UTC	17315 kHz, 10-12, 1509 UTC
16258 kHz, 02-12, 1303 UTC	16870 kHz, 12-12, 0900 UTC
14350 kHz, 02-12, 1313 UTC. QSX 14300 kHz	16252 kHz, 12-12, 1300 UTC. QSX 16258 kHz
14300 kHz, 02-12, 1313 UTC. QSX 14350 kHz	16258 kHz, 12-12, 1300 UTC. QSX 16252 kHz
16250 kHz, 02-12, 1300 UTC. QSX 16252 kHz	17460 kHz, 12-12, 1358 UTC
16252 kHz, 02-12, 1300 UTC. QSX 16250 kHz	17460 kHz, 12-12, 1358 UTC
16252 kHz, 03-12, 0730 UTC	16257 kHz, 14-12, 0800 UTC
16870 kHz, 03-12, 0839 UTC	16252 kHz, 15-12, 1207 UTC
10960 kHz, 03-12, 0840 UTC	16252 kHz, 16-12, 1200 UTC
12400 kHz, 05-12, 0640 UTC	15550 kHz, 16-12, 1245 UTC
16252 kHz, 05-12, 0735 UTC	16252 kHz, 17-12, 0730 UTC
10960 kHz, 05-12, 0835 UTC	16258 kHz, 18-12, 0808 UTC
16252 kHz, 05-12, 1239 UTC	16257 kHz, 21-12, 0800 UTC
12400 kHz, 06-12, 0705 UTC	16252 kHz, 21-12, 1208 UTC
16258 kHz, 06-12, 0707 UTC	16252 kHz, 23-12, 1213 UTC
11046 kHz, 07-12, 0727 UTC	15555 kHz, 23-12, 1213 UTC
16252 kHz, 07-12, 0728 UTC	16258 kHz, 28-12, 1214 UTC

Egyptian diplomatic stations

16066 kHz, 07-12, 1006 UTC, CODAN-16/9001	MFA Cairo messages to Egyptian embassies in Jakarta and Islamabad
16066 kHz, 07-12, 1238 UTC, CODAN-16	MFA Cairo msg in Arabic to Egyptian embassy Jakarta
16222 kHz, 07-12, 1258 UTC, CODAN-16	99902: MFA Cairo msg in Arabic to 72555: unid Egyptian embassy
16222 kHz, 07-12, 1258 UTC, SITOR-A 100/170	MFA Cairo clg TVVP: Egyptian embassy Abu Dhabi
16230 kHz, 07-12, 1238 UTC, CODAN-16	99902: MFA Cairo msg in Arabic to 72555: unid Egyptian embassy
16333 kHz, 07-12, 1238 UTC, CODAN-16	99901: MFA Cairo msg in Arabic to 5: Egyptian embassy Abu Dhabi

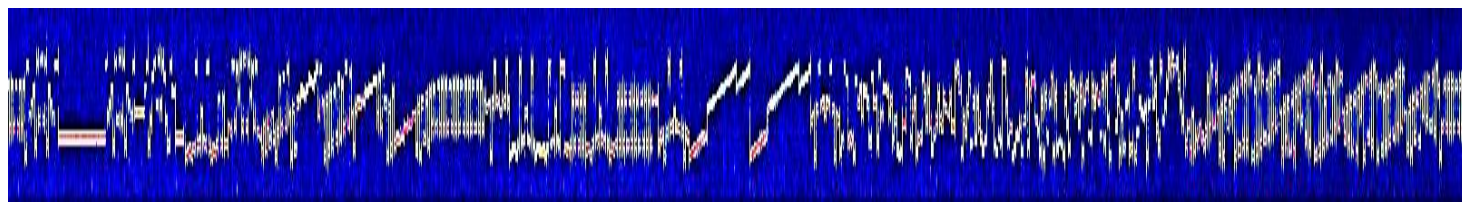
Bulgarian diplomatic stations

17442 kHz, 01-12, 1330 UTC, RFSM	MFA Sofia msg to unid embassy
17442 kHz, 01-12, 1357 UTC, RFSM	Bulgarian diplo
12105 kHz, 02-12, 1056 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 12112 kHz
12112 kHz, 02-12, 1056 UTC, RFSM	Unid embassy wkg MFA Sofia. QSX 12105 kHz
17442 kHz, 02-12, 1358 UTC, RFSM	MFA SOfia wkg unid embassy
10264 kHz, 05-12, 1359 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 05-12, 1326 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17464 kHz
17464 kHz, 05-12, 1326 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
17442 kHz, 05-12, 1359 UTC, RFSM	MFA Sofia wkg unid embassy
12105 kHz, 07-12, 1058 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 12112 kHz
12112 kHz, 07-12, 1058 UTC, RFSM	Unid embassy wkg MFA Sofia. QSX 12105 kHz
12105 kHz, 08-12, 1100 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 12112 kHz
12112 kHz, 08-12, 1100 UTC, RFSM	Unid embassy wkg MFA Sofia. QSX 12105 kHz
17440 kHz, 08-12, 1328 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17464 kHz
17464 kHz, 08-12, 1328 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
17440 kHz, 12-12, 1330 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17464 kHz
17464 kHz, 12-12, 1330 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
17442 kHz, 12-12, 1359 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 14-12, 1457 UTC, RFSM	MFA Sofia msg to unid embassy
12105 kHz, 15-12, 1056 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 12112 kHz
12112 kHz, 15-12, 1056 UTC, RFSM	Unid embassy wkg MFA Sofia. QSX 12105 kHz
17440 kHz, 15-12, 1325 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17464 kHz
17464 kHz, 15-12, 1325 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
11500 kHz, 16-12, 1133 UTC, RFSM	MFA Sofia wkg unid embassy
11500 kHz, 16-12, 1141 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 16-12, 1325 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 16-12, 1356 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 19-12, 1357 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 20-12, 1326 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17442 kHz
17464 kHz, 20-12, 1326 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17464 kHz
17442 kHz, 20-12, 1400 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 22-12, 1325 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17464 kHz
17464 kHz, 22-12, 1325 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
17442 kHz, 23-12, 0814 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 29-12, 1328 UTC, RFSM	Unid Bulgarian embassy
11030 kHz, 29-12, 1329 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 29-12, 1354 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 30-12, 0815 UTC, RFSM	MFA Sofia wkg unid embassy

Russian diplomatic stations

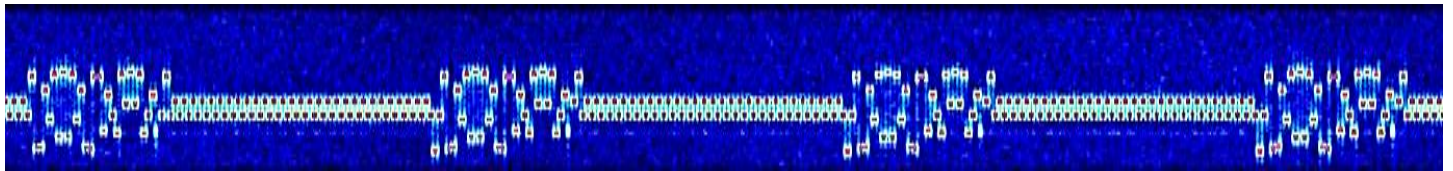
16024 kHz, 01-12, 0747 UTC, MFSK-66	Russian diplo
11471 kHz, 01-12, 0747 UTC, MFSK-66	Russian diplo
17468 kHz, 01-12, 1346 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
14686 kHz, 01-12, 1134 UTC, OFDM-121	Russian diplo
11492 kHz, 01-12, 1214 UTC, OFDM-121	Russian diplo
16119 kHz, 01-12, 1253 UTC, OFDM-121	Russian diplo
16119 kHz, 02-12, 0831 UTC, OFDM-121	Russian diplo
12152 kHz, 05-12, 0838 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
11438 kHz, 05-12, 0954 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris

13399 kHz, 06-12, 0926 UTC, MFSK 66	Russian diplo
17420 kHz, 06-12, 0947 UTC, MFSK 66	Russian diplo
17421 kHz, 06-12, 1030 UTC, MFSK-6	MFA Moscow clg 246531: Russian embassy Accra
17421 kHz, 06-12, 1131 UTC, Serdolik v2	Russian diplo
13942 kHz, 06-12, 1136 UTC, Serdolik v2	Russian diplo
14356 kHz, 06-12, 0930 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
17422 kHz, 06-12, 0948 UTC, MFSK-66	Russian diplo
20336 kHz, 06-12, 0959 UTC, MFSK-6	MFA Moscow clg 246531: Russian embassy Accra



Serdolik v2 signal

14683 kHz, 07-12, 0732 UTC, MFSK-6	MFA Moscow clg 364152: Russian embassy New Delhi
16258 kHz, 07-12, 1035 UTC, OFDM-121	Russian diplo
10408 kHz, 07-12, 1319 UTC, MFSK-66	Russian diplo
16153 kHz, 08-12, 0811 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus
7988 kHz, 08-12, 0847 UTC, MFSK-6	MFA Moscow clg 561243: Russian embassy Helsinki
13433 kHz, 09-12, 0743 UTC, Serdolik v2	Russian diplo
12193 kHz, 09-12, 0835 UTC, OFDM-121	Russian diplo.
12177 kHz, 09-12, 0909 UTC, OFDM-121	Russian diplo.
12177 kHz, 09-12, 0925 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
12226 kHz, 09-12, 0929 UTC, OFDM-121	Russian diplo.
15810 kHz, 11-12, 1047 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
14559 kHz, 11-12, 1057 UTC, Serdolik v2	Russian diplo
11424 kHz, 12-12, 0905 UTC, MFSK-6	MFA Moscow clg 421635: Russian embassy Oslo
16117 kHz, 12-12, 1012 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
10264 kHz, 12-12, 1305 UTC, OFDM-121	Russian diplo
20690 kHz, 12-12, 0819 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
20690 kHz, 12-12, 0828 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
16257 kHz, 13-12, 0823 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
14861 kHz, 13-12, 0834 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
14861 kHz, 13-12, 1023 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgabat
20815 kHz, 13-12, 1024 UTC, Serdolik v2	Russian diplo
14861 kHz, 13-12, 1027 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
18197 kHz, 15-12, 0926 UTC, MFSK-6	MFA Moscow clg 645321: Russian embassy Ho Chi Minh City
14820 kHz, 16-12, 1018 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv. Moved to 14824 kHz at 1023z
14824 kHz, 16-12, 1023 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
18323 kHz, 16-12, 1030 UTC, Serdolik v2	Russian diplo
17444 kHz, 16-12, 1330 UTC, MFSK-66	Russian diplo
16098 kHz, 16-12, 1305 UTC, MFSK-66	Russian diplo
16320 kHz, 16-12, 1312 UTC, MFSK-6	MFA Moscow clg 241563: Russian Consulate General Karachi
12112 kHz, 19-12, 0750 UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
12199 kHz, 19-12, 0905 UTC, OFDM-121	Russian diplo
13395 kHz, 19-12, 0913 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
20675 kHz, 19-12, 0934 UTC, MFSK-6	MFA Moscow clg 641523: Russian embassy Lusaka
14358 kHz, 20-12, 0941 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
17421 kHz, 20-12, 0944 UTC, MFSK-6	MFA Moscow clg 246531: Russian embassy Accra
16188 kHz, 20-12, 1152 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
17440 kHz, 21-12, 1106 UTC, Serdolik v2	Russian diplo
17444 kHz, 21-12, 1113 UTC, Serdolik v2	Russian diplo
14651 kHz, 21-12, 1119 UTC, Serdolik v2	Russian diplo
17440 kHz, 21-12, 1127 UTC, Serdolik v2	Russian diplo
16115 kHz, 21-12, 1131 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
12123 kHz, 22-12, 0750 UTC, MFSK-66	Russian diplo
12126 kHz, 22-12, 0754 UTC, MFSK-6	MFA Moscow clg 521634: Russian embassy Bucharest
16153 kHz, 22-12, 0810 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus



Serdolik v2 selcal

18221 kHz, 22-12, 0802 UTC, Serdolik v2	Russian diplo
18221 kHz, 22-12, 0812 UTC, Serdolik v2	Russian diplo
13430 kHz, 23-12, 0738 UTC, Serdolik v2	Russian diplo. Selcal
13430 kHz, 23-12, 0742 UTC, Serdolik v2	Russian diplo. Selcal
13432 kHz, 23-12, 0816 UTC, Serdolik v2	Russian diplo
13432 kHz, 23-12, 0826 UTC, Serdolik v2	Russian diplo
17463 kHz, 23-12, 1008 UTC, MFSK-6	MFA Moscow clg 256134: Russian embassy Abidjan
17433 kHz, 23-12, 1021 UTC, MFSK-66	Russian diplo
15690 kHz, 27-12, 0800 UTC, Serdolik v2	Russian diplo
11072 kHz, 27-12, 0810 UTC, Serdolik v2	Russian diplo
17529 kHz, 27-12, 1451 UTC, Serdolik v2	Russian diplo. Selcal
17529 kHz, 27-12, 1454 UTC, Serdolik v2	Russian diplo. Selcal
12110 kHz, 28-12, 0820 UTC, MFSK-66	Russian diplo
11483 kHz, 28-12, 0838 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
11431 kHz, 28-12, 0838 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest (spurious transmission)
13458 kHz, 28-12, 0838 UTC, MFSK-66	Russian diplo
18245 kHz, 28-12, 0854 UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis
16116 kHz, 28-12, 0855 UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis
11154 kHz, 28-12, 0855 UTC, Serdolik v2	Russian diplo
10239 kHz, 28-12, 0856 UTC, Serdolik v2	Russian diplo
9087 kHz, 28-12, 0912 UTC, Serdolik v2	Russian diplo. Selcal
9087 kHz, 28-12, 0917 UTC, Serdolik v2	Russian diplo
9471 kHz, 28-12, 0919 UTC, Serdolik v2	Russian diplo
11153 kHz, 28-12, 0930 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
11562 kHz, 28-12, 0930 UTC, Serdolik v2	Russian diplo
18245 kHz, 28-12, 0938 UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis
20331 kHz, 28-12, 0739 UTC, Serdolik v2	Russian diplo

CLANDESTINE / TARGETED RADIO & JAMMERS

Target: Turkey

11540 kHz, 19-12, 1500 UTC, AM	Radio Dengé Welat. Kurdish program
11530 kHz, 19-12, 1500 UTC, AM	Radio Recep Erdogan jamming Radio Dengé Welat
11540 kHz, 19-12, 1520 UTC, AM	Radio Dengé Welat. Kurdish program

Russian-Ukrainian radio

7060 kHz, 19-12, 1632 UTC, LSB	Insulting anti Putin messages
7103 kHz, 20-12, 0637 UTC, LSB	Slava Ukraini and offensive anti Russia messages
7055 kHz, 21-12, 0713 UTC, LSB	Various stations on top of each other

UTILITY ROUND-UP

Unidentified station

Eddy found 5 very odd broadcasts. The transmissions started at exactly hh42.02, changed at hh43.15, changed again at hh44.15, changed again at hh45.15, and ended at exactly hh46.02.

The weird transmissions consist of 900Hz, 1400Hz, 2400Hz and 2900Hz start tones. Then 2400Bd PSK or MSK, followed by FSK4 192/500, then The Sound Silence by Simon & Garfunkel in DSB and finally something that sounds like MSK or PSK.

Thanks to linkz for his help.

8971 kHz, 29-12, 1242 UTC
 8971 kHz, 29-12, 1342 UTC
 8971 kHz, 29-12, 1442 UTC
 8971 kHz, 29-12, 1542 UTC
 8971 kHz, 29-12, 1642 UTC



Complete broadcast



Simon & Garfunkel

EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
19-12	1700	Acid Rain	34 chr EAM PMIEEL ZZER7LOBHPY6U2KUQOU7CEYEIHVK
19-12	1703	Acid Rain	34 chr EAM PMIEEL ZZER7LOBHPY6U2KUQOU7CEYEIHVK
19-12	2018	Acid Rain	33 chr EAM GWXP66 BKKC4AJSSCDX6LQCDARBHJGEI6I
19-12	2027	Acid Rain	30 chr EAM MQ62UV EXJC2IUK6DZOK7XAUTVEXFNL
19-12	2029	Acid Rain	30 chr EAM MQ62UV EXJC2IUK6DZOK7XAUTVEXFNL
19-12	2044	Acid Rain	30 chr EAM MQFQFY 6EPH2LKSTIPJJVKGOZPVIX3Y
19-12	2048	Acid Rain	30 chr EAM MQFQFY 6EPH2LKSTIPJJVKGOZPVIX3Y
19-12	2100	Acid Rain	30 chr EAM MQ62UV EXJC2IUK6DZOK7XAUTVEXFNL
19-12	2125	Acid Rain	37 chr EAM GW3GUO KKTWUB3GCXPFFPDBNSJXBNDGXBNSLYI
19-12	2130	Acid Rain	30 chr EAM MQ62UV EXJC2IUK6DZOK7XAUTVEXFNL
19-12	2132	Acid Rain	33 chr EAM GWXP66 BKKC4AJSSCDX6LQCDARBHJGEI6I
19-12	2137	Acid Rain	37 chr EAM GW3GUO KKTWUB3GCXPFFPDBNSJXBNDGXBNSLYI
19-12	2201	Acid Rain	30 chr EAM MQ62UV EXJC2IUK6DZOK7XAUTVEXFNL
19-12	2203	Acid Rain	33 chr EAM GWXP66 BKKC4AJSSCDX6LQCDARBHJGEI6I
19-12	2224	Acid Rain	30 chr EAM MQXPYG BYSIZMTPFWB752U72N4VYPSU
19-12	2226	Acid Rain	30 chr EAM MQBLII FG74G2ZHHQKCFJENXF47LRHT
19-12	2239	Acid Rain	30 chr EAM MQBLII FG74G2ZHHQKCFJENXF47LRHT
19-12	2242	Acid Rain	30 chr EAM MQXPYG BYSIZMTPFWB752U72N4VYPSU
19-12	2244	Acid Rain	30 chr EAM MQ62UV EXJC2IUK6DZOK7XAUTVEXFNL
19-12	2300	Acid Rain	30 chr EAM MQBLII FG74G2ZHHQKCFJENXF47LRHT
19-12	2302	Acid Rain	30 chr EAM MQXPYG BYSIZMTPFWB752U72N4VYPSU
19-12	2304	Acid Rain	30 chr EAM MQ62UV EXJC2IUK6DZOK7XAUTVEXFNL
20-12	1646	Break Rod	53 chr EAM OA4WGY NMK7EDIRJQ4NB66WG7K43KVI43KVIKFOB6IZ5BYD4KVZVFX
20-12	1700	Break Rod	30 chr EAM PMXW7V Z7V6WECNR2O563HANP4EJD62
20-12	1723	Break Rod	30 chr EAM MQWXJN QWKJ5VNSJ6OGQI3RDEMPI472
20-12	1731	Break Rod	30 chr EAM MQPOJE QRDR3657Q7CRZEX4QYVXIFAG
20-12	1735	Break Rod	30 chr EAM MQPOJE KRDR3657Q7CRZEX4QYVXIFAG
20-12	1737	Break Rod	30 chr EAM MQPOJE KRDR3657Q7CRZEX4QYVXIFAG
20-12	1739	Break Rod	30 chr EAM MQWXJN QWKJ5VNSJ6OGQI3RDEMPI472
20-12	1753	Break Rod	30 chr EAM MQ7O4X KVI3PFT2U22D6B2ZB3TNGK6S
20-12	1800	Break Rod	30 chr EAM MQ7O4X KVI3PFT2U22D6B2ZB3TNGK6S
20-12	1806	Break Rod	30 chr EAM PMZF74 JAE4DRZJI4CDGLZIK2OIUVHE
20-12	1808	Break Rod	30 chr EAM MQ7O4X KVI3PFT2U22D6B2ZB3TNGK6S
20-12	1810	Break Rod	30 chr EAM MQPOJE KRDR3657Q7CRZEX4QYVXIFAG
20-12	1813	Break Rod	30 chr EAM MQWXJN QWKJ5VNSJ6OGQI3RDEMPI472
20-12	1932	Break Rod	30 chr EAM MQW7GV LCH3ORLSPQV3AKIV4UVJPB74
20-12	2034	Break Rod	30 chr EAM for Toby PMBBGI JJ3AUIZ3CXVGSUH52TJYP227
20-12	2104	Break Rod	30 chr EAM MQEYPX DOLVDFZ74QHXC4SAACWI3LS
20-12	2118	Break Rod	30 chr EAM for Horn? PMCNR3 QFORGD6CEV6G7EFZGDQFSF20
21-12	1626	Past Time	30 chr EAM MQVWR4 LGF7IZF2LEFEGMARZHLZNVYD
21-12	1637	Past Time	30 chr EAM MQDLUS ZL2YSAQXHHR4WRIEWXJACW40
21-12	1637	Past Time	30 chr EAM
21-12	1637	Past Time	30 chr EAM
21-12	1637	Past Time	30 chr EAM
21-12	1637	Past Time	30 chr EAM
21-12	1637	Past Time	30 chr EAM

RUSSIAN MILITARY TRANSCRIPTS

Monolith stations

Channel markers

4612 kHz, 15-12, 2000 UTC, S28	Buzzer spur
3756 kHz, 19-12, 1655 UTC, S30	Pip
3364 kHz, 19-12, 1655 UTC, S32	Squeaky Wheel (message followed)
4182 kHz, 19-12, 1656 UTC	Dash
4625 kHz, 19-12, 1656 UTC, S28	Buzzer
4770 kHz, 19-12, 1656 UTC	Alarm
4930 kHz, 19-12, 1657 UTC	Goose

Voice transmissions

Russian Air Force voice traffic

Lots of activity on the bomber frequencies throughout the month.

- 9163 kHz, 29-12, 0800 UTC. Odd sounds like other Russian military channel markers. Changed to dashes at 0806z. Very noisy transmitter. Off at 0837z
- 9163 kHz, 29-12, 1322 UTC Katolik (Air Force Saratov) wkg aircraft 69360. Noisy transmitter

Morse transmissions

Russian Military morse traffic

7678 kHz, 14-12, 0641 UTC, i.p.

KB92 KB92 KB92 QTC AR K
KB92 KB92 KB92 QTC AR K
KB92 KB92 KB92 QTC AR K
KB92 350 33 14 0940 3406 195 =
80416 64886 60828 74900 98115 30772 11314 54115 97039 93859
99814 66132 29186 80610 51708 36255 30735 52555 60869 11769
99423 94160 03000 24014 98640 05616 43663 23233 75668 04282
14030 195 QLN K

Russian Air Force morse traffic

The Russian Air Force bomber net transmitted its W-marker when the net is active. The marker is repeated for 2 minutes.

Transmissions end with "K"

8112 kHz, 07-12, 1320/1340 UTC
8112 kHz, 07-12, 1400/1420/1440 UTC
8112 kHz, 16-12, 1059/1119/1139 UTC
8112 kHz, 16-12, 1159/1219/1239 UTC
8112 kHz, 16-12, 1259/1319/1339 UTC
8112 kHz, 16-12, 1359/1419/1439 UTC
8112 kHz, 16-12, 1459/1519/1539 UTC
8112 kHz, 16-12, 1559 UTC

8112 kHz, 21-12, 0719 UTC NOA5 wkg AF2V: = 430 631 834 768 304 087 409
8112 kHz, 21-12, 0721 UTC NOA5 wkg AF2V: = 430 046 091 027 959 269 796
8112 kHz, 21-12, 0723 UTC NOA5 wkg AF2V: = 430 359 360 118 498 713 044
8112 kHz, 21-12, 0725 UTC NOA5 wkg AF2V: = 430 624 934 432 690 043 343
8112 kHz, 21-12, 0727 UTC NOA5 wkg AF2V: = 430 481 091 741 124 043 215
8990 kHz, 21-12, 0745 UTC W8O6, AF2V wkg NOA5: NOA5 de W8O6 658 142
8990 kHz, 21-12, 0818 UTC NGA5 de AF2V 050 020 359 197 498 742 325
8112 kHz, 22-12, 1139 UTC Russian Air Force channel marker W (R2) K

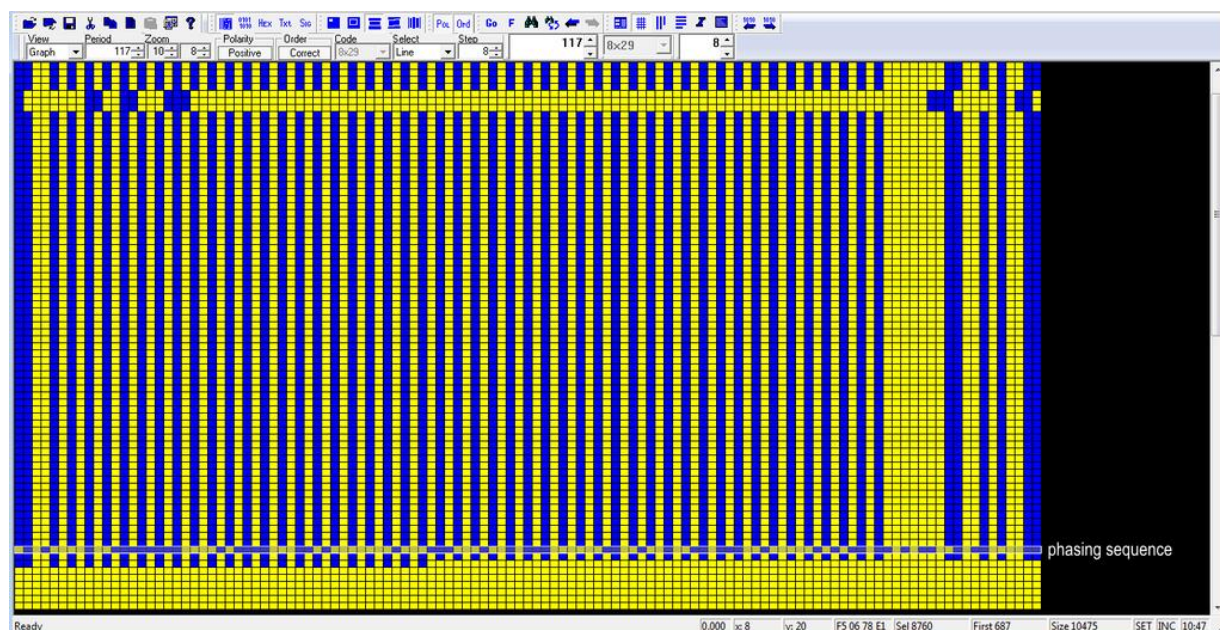
8112 kHz, 22-12, 1159 UTC Russian Air Force channel marker W (R2) K

7314 kHz, 30-12, 0747 UTC REA4 REA4 = 30060 99900 29110 73842 70997 02002 11238 21277 80000 = REA4 K
7314 kHz, 30-12, 0839 UTC REA4 REA4 = 30070 99900 29120 74842 71997 02101 11242 21280 80000 = REA4 K
7314 kHz, 30-12, 0937 UTC REA4 REA4 = 30080 99900 29120 73842 71997 02101 11242 21280 80000 = REA 4 K
7314 kHz, 30-12, 1039 UTC REA4 REA4 = 30090 99900 29110 62596 88994 82801 11172 21186 61022 80020 = REA4 K
7314 kHz, 30-12, 1139 UTC REA4 REA4 = 30100 99900 29120 62596 88994 82801 11172 21186 71022 80020 = REA4 K
7314 kHz, 30-12, 1422 UTC REA4 REA4 = 30110 99900 29130 62594 90994 82902 11168 21181 71022 80020 = REA4 K
7314 kHz, 31-12, 0739 UTC XXX XXX 6OKS 6OKS 54809 BRYaKOShIK 0091 0497 ZYuWDOPL 8397 7833
XXX XXX 6OKS 6OKS 54809 BRYaKOShIK 0091 0497 ZYuWDOPL 8397 7833 K
7314 kHz, 31-12, 0838 UTC REA4 REA4 = 31070 99900 30120 73842 40997 40000 11218 21258 82011 = REA4 K
7314 kHz, 31-12, 0939 UTC REA4 REA4 = 31080 99900 30120 73842 40997 40000 21218 00012 01258 82011 = REA4 K
7314 kHz, 31-12, 1040 UTC REA4 REA4 = 21090 99900 30120 62086 90995 00201 11214 21226 71000 80000 = REA4 K
7314 kHz, 31-12, 1139 UTC REA4 REA4 = 31100 99900 30120 62596 90995 00310 11214 21226 21000 = REA4 K
7314 kHz, 31-12, 1239 UTC REA4 REA4 = 31110 99900 30130 62596 53004 01001 11220 21128 71000 80000 = REA4 K

Russian tactical datalink

6970 kHz, 10-12, 0758 UTC, Akkord 1200Bd/800Hz
7240 kHz, 10-12, 0758 UTC, Akkord 1200Bd/800Hz
3496 kHz, 10-12, 1727 UTC, Akkord 1200Bd/800Hz
4430 kHz, 10-12, 1727 UTC, Akkord 1200Bd/800Hz
6970 kHz, 11-12, 0722 UTC, Akkord 1200Bd/800Hz
7420 kHz, 11-12, 0722 UTC, Akkord 1200Bd/800Hz
7430 kHz, 11-12, 0722 UTC, Akkord 1200Bd/800Hz
5325 kHz, 12-12, 1708 UTC, Akkord 1200Bd/800Hz
5335 kHz, 12-12, 1708 UTC, Akkord 1200Bd/800Hz
6970 kHz, 13-12, 0618 UTC, Akkord 1200Bd/800Hz
5303 kHz, 14-12, 1528 UTC, Akkord 1200Bd/800Hz
5325 kHz, 14-12, 1528 UTC, Akkord 1200Bd/800Hz
5335 kHz, 14-12, 1528 UTC, Akkord 1200Bd/800Hz
5425 kHz, 15-12, 2000 UTC, Akkord 1200Bd/800Hz
3939 kHz, 17-12, 1916 UTC, Akkord 1200Bd/800Hz
4525 kHz, 17-12, 1916 UTC, Akkord 1200Bd/800Hz
6970 kHz, 18-12, 0634 UTC, Akkord 1200Bd/800Hz
7230 kHz, 18-12, 0655 UTC, Akkord 1200Bd/800Hz
7240 kHz, 18-12, 0655 UTC, Akkord 1200Bd/800Hz
6575 kHz, 31-12, 0714 UTC, Akkord 1200Bd/800Hz
7230 kHz, 31-12, 0714 UTC, Akkord 1200Bd/800Hz
7240 kHz, 31-12, 0714 UTC, Akkord 1200Bd/800Hz

31701.7 kHz 19-12, 1149 UTC using the (117,96) Akkord-SS-PD/Irtysh format. See picture below.



Picture by Antonio

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	2-12	1944	3352	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	2-12	1944	3372	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	10-12	0758	6970	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	10-12	0758	7240	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	10-12	1727	3496	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	10-12	1727	4430	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	11-12	0722	6970	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	11-12	0722	7420	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	11-12	0722	7430	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	11-12	1557	5420	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	11-12	1557	5430	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	11-12	1737	4810	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	12-12	1708	5325	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	12-12	1708	5335	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	13-12	0618	6970	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	13-12	1713	5325	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	13-12	1713	5335	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	14-12	1528	5303	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	14-12	1528	5325	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	14-12	1528	5335	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	15-12	2000	5425	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	17-12	1916	3939	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	17-12	1916	4525	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	18-12	0634	6970	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	18-12	0655	7230	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	18-12	0655	7240	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	19-12	1632	7060	Mon	Insulting anti Putin messages	LSB	(AB)
---	19-12	1656	4182	Mon	Dash: Russian military Channel marker	USB	(AB)
---	19-12	1656	4770	Mon	Alarm: Russian military Channel marker	USB	(AB)
---	19-12	1657	4930	Mon	Goose: Russian military Channel marker	USB	(AB)
---	20-12	0637	7103	Tue	Russian-Ukrainian radio war: Slava Ukraini and offensive anti Russia messages	LSB	(AB)
---	21-12	0713	7055	Wed	Russian-Ukrainian radio war. Various stations on top of each other	LSB	(AB)
---	29-12	1242	8971	Thu	PSK or MSK modes followed by Simon & Garfunkel's Sound of Silence and again PSK or MSK	unid modes	(EW)
---	29-12	1342	8971	Thu	PSK or MSK modes followed by Simon & Garfunkel's Sound of Silence and again PSK or MSK	unid modes	(EW)
---	29-12	1442	8971	Thu	PSK or MSK modes followed by Simon & Garfunkel's Sound of Silence and again PSK or MSK	unid modes	(EW)

---	29-12	1542	8971	Thu	PSK or MSK modes followed by Simon & Garfunkel's Sound of Silence and again PSK or MSK	unid modes	(EW)
---	29-12	1642	8971	Thu	PSK or MSK modes followed by Simon & Garfunkel's Sound of Silence and again PSK or MSK	unid modes	(EW)
---	31-12	0714	6575	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	31-12	0714	7230	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	31-12	0714	7240	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
BUL	1-12	1330	17442	Thu	MFA Sofia msg to unid embassy	RFSM	(AB)
BUL	1-12	1357	17442	Thu	Bulgarian diplo	RFSM	(AB)
BUL	2-12	1056	12105	Fri	MFA Sofia wkg unid embassy. QSX 12112 kHz	RFSM	(AB)
BUL	2-12	1056	12112	Fri	Unid Bulgarian embassy wkg MFA Sofia. QSX 12105 kHz	RFSM	(AB)
BUL	2-12	1358	17442	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	5-12	1326	17440	Mon	MFA Sofia wkg unid embassy. QSX 17464 kHz	RFSM	(AB)
BUL	5-12	1326	17464	Mon	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
BUL	5-12	1359	10264	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	5-12	1359	17442	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	7-12	1058	12105	Wed	MFA Sofia wkg unid embassy. QSX 12112 kHz	RFSM	(AB)
BUL	7-12	1058	12112	Wed	Unid Bulgarian embassy wkg MFA Sofia. QSX 12105 kHz	RFSM	(AB)
BUL	7-12	1330	17440	Wed	MFA Sofia msg to unid embassy	RFSM	(AB)
BUL	7-12	1400	17442	Wed	MFA Sofia msg to unid embassy	RFSM	(AB)
BUL	8-12	1100	12105	Thu	MFA Sofia wkg unid embassy. QSX 12112 kHz	RFSM	(AB)
BUL	8-12	1100	12112	Thu	Unid Bulgarian embassy wkg MFA Sofia. QSX 12105 kHz	RFSM	(AB)
BUL	8-12	1328	17440	Thu	MFA Sofia wkg unid embassy. QSX 17464 kHz	RFSM	(AB)
BUL	8-12	1328	17464	Thu	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
BUL	12-12	1330	17440	Mon	MFA Sofia wkg unid embassy. QSX 17464 kHz	RFSM	(AB)
BUL	12-12	1330	17464	Mon	Unid Bulgarian embassy wkg MFA Sofia. QSC 17440 kHz	RFSM	(AB)
BUL	12-12	1359	17442	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	14-12	1457	17442	Wed	MFA Sofia msg to unid embassy	RFSM	(AB)
BUL	15-12	1056	12105	Thu	MFA Sofia wkg unid embassy. QSX 12112 kHz	RFSM	(AB)
BUL	15-12	1056	12112	Thu	Unid Bulgarian embassy wkg MFA Sofia. QSX 12105 kHz	RFSM	(AB)
BUL	15-12	1325	17440	Thu	MFA Sofia wkg unid embassy. QSX 17464 kHz	RFSM	(AB)
BUL	15-12	1325	17464	Thu	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
BUL	16-12	1133	11500	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	16-12	1141	11500	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	16-12	1325	17440	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	16-12	1356	17442	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	19-12	1357	17442	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	20-12	1326	17440	Tue	MFA Sofia wkg unid embassy. QSX 17442 kHz	RFSM	(AB)
BUL	20-12	1326	17464	Tue	Unid Bulgarian embassy wkg MFA Sofia. QSX 17464 kHz	RFSM	(AB)
BUL	20-12	1400	17442	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	22-12	1325	17440	Thu	MFA Sofia wkg unid embassy. QSX 17464 kHz	RFSM	(AB)
BUL	22-12	1325	17464	Thu	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)

BUL	23-12	0814	17442	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	29-12	1328	17440	Thu	Unid Bulgarian embassy	RFSM	(AB)
BUL	29-12	1329	11030	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	29-12	1354	17442	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	30-12	0815	17442	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
DPRK	1-12	0641	11030	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	1-12	0641	12400	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	1-12	0730	16252	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	2-12	0455	12202	Fri	North Korean diplo. QSX 12205 kHz	DPRK-ARQ 600 LSB	(AB-J)
DPRK	2-12	0455	12205	Fri	North Korean diplo. QSX 12202 kHz	DPRK-ARQ 600 LSB	(AB-J)
DPRK	2-12	0919	16675	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	2-12	1300	13966	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	2-12	1300	16250	Fri	North Korean diplo. QSX 16252 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	2-12	1300	16252	Fri	North Korean diplo. QSX 16250 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	2-12	1303	16258	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	2-12	1313	14300	Fri	North Korean diplo. QSX 14350 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	2-12	1313	14350	Fri	North Korean diplo. QSX 14300 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	3-12	0730	16252	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	3-12	0839	16870	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	3-12	0840	10960	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	5-12	0640	12400	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	5-12	0735	16252	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	5-12	0835	10960	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	5-12	1239	16252	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	6-12	0705	12400	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	6-12	0707	16258	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	7-12	0727	11046	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	7-12	0728	16252	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	7-12	1042	16318	Wed	MFA Pyongyang msg to unid embassy	DPRK-ARQ 600 LSB	(EW)
DPRK	7-12	1254	16250	Wed	MFA Pyongyang, encrypted traffic	DPRK-ARQ 600 LSB	(EW)
DPRK	7-12	1302	12400	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	8-12	0730	16252	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	8-12	1250	14300	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	9-12	1237	16252	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	10-12	0700	16252	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	10-12	1509	17315	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	12-12	0900	16870	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	12-12	1300	16252	Mon	North Korean diplo. QSX 16258 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	12-12	1300	16258	Mon	North Korean diplo. QSX 16252 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	12-12	1358	17460	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	14-12	0800	16257	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	14-12	1511	17315	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)

DPRK	15-12	1207	16252	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	16-12	1200	16252	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	16-12	1245	15550	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	17-12	0730	16252	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	18-12	0808	16258	Sun	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	21-12	0800	16257	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	21-12	1208	16252	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	23-12	1213	15555	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	23-12	1213	16252	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	28-12	1214	16258	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
E06	1-12	0300	14654	Thu	361 259 34 54939 41684 12803 ... 69632 24665 04240 259 34 00000	USB	(PY)
E06	1-12	0600	14575	Thu	923 768 54 18512 35224 23715 ... 67616 03349 36715 768 54 00000	USB	(AB-CYP/HFD)
E06	1-12	0700	17420	Thu	923 768 54 18512 35224 23715 ... 67616 03349 36715 768 54 00000	USB	(AB/HFD)
E06	2-12	0300	14654	Fri	361 259 34 54939 41684 12803 ... 69632 24665 04240 259 34 00000	USB	(PY/HFD)
E06	2-12	0400	12177	Fri	361 259 34 54939 41684 12803 ... 69632 24665 04240 259 34 00000	USB	(PY/HFD)
E06	2-12	0600	14575	Fri	923 768 54 18512 35224 23715 ... 67616 03349 36715 768 54 00000	USB	(AB)
E06	2-12	0700	17420	Fri	923 768 54 18512 35224 23715 ... 67616 03349 36715 768 54 00000	USB	(AB)
E06	5-12	0210	9382	Mon	537 268 39 57934 21794 08461 ... 79168 42531 47375 268 39 00000	USB	(PY/HFD-J)
E06	5-12	0310	13426	Mon	537 268 39 57934 21794 08461 ... 79168 42531 47375 268 39 00000	USB	(PY/HFD-J)
E06	6-12	0210	9382	Tue	537 268 39 57934 21794 08461 ... 79168 42531 47375 268 39 00000	USB	(PY)
E06	6-12	0310	13426	Tue	537 268 39 57934 21794 08461 ... 79168 42531 47375 268 39 00000	USB	(PY)
E06	8-12	0300	14654	Thu	361 784 35 56624 18933 45190 ... 12262 81891 61164 784 35 00000	USB	(PY)
E06	8-12	0400	12177	Thu	361 784 35 56624 18933 45190 ... 12262 81891 61164 784 35 00000	USB	(PY)
E06	9-12	0300	14654	Fri	361 784 35 56624 18933 45190 ... 12262 81891 61164 784 35 00000	USB	(PY)
E06	9-12	0400	12177	Fri	361 784 35 56624 18933 45190 ... 12262 81891 61164 784 35 00000	USB	(PY)
E06	12-12	0210	9382	Mon	537 961 40 45038 75993 87674 ... 12031 83794 33666 861 40 00000	USB	(PY)
E06	12-12	0310	13426	Mon	537 961 40 45038 75993 87674 ... 12031 83794 33666 861 40 00000	USB	(PY)
E06	13-12	0210	9382	Tue	537 961 40 45038 75993 87674 ... 12031 83794 33666 861 40 00000	USB	(PY)
E06	13-12	0310	13426	Tue	537 961 40 45038 75993 87674 ... 12031 83794 33666 861 40 00000	USB	(PY)
E06	15-12	0300	14654	Thu	361 509 36 87883 76134 80053 ... 09396 38582 55715 509 36 00000	USB	(PY)
E06	15-12	0400	12177	Thu	361 509 36 87883 76134 80053 ... 09396 38582 55715 509 36 00000	USB	(PY)
E06	15-12	0600	14575	Thu	923 604 51 99409 99640 54532 ... 01268 82013 30635 604 51 00000	USB	(AB-KWT)
E06	15-12	0700	17420	Thu	923 604 51 99409 99640 54532 ... 01268 82013 30635 604 51 00000	USB	(AB-KWT)
E06	16-12	0300	14654	Fri	361 509 36 87883 76134 80053 ... 09396 38582 55715 509 36 00000	USB	(PY)
E06	16-12	0400	12177	Fri	361 509 36 87883 76134 80053 ... 09396 38582 55715 509 36 00000	USB	(PY)
E06	16-12	0600	14575	Fri	923 604 51 99409 99640 54532 ... 01268 82013 30635 604 51 00000	USB	(AB)
E06	16-12	0700	17420	Fri	923 604 51 99409 99640 54532 ... 01268 82013 30635 604 51 00000	USB	(AB)
E06	17-12	1300	7377	Sat	Active	USB	(FD)
E06	17-12	1330	5410	Sat	Active	USB	(FD)
E06	18-12	0930	9946	Sun	Active	USB	(FD)
E06	18-12	1000	8095	Sun	Active	USB	(FD)
E06	19-12	0210	9382	Mon	537 802 41 43759 61954 60054 ... 67400 24033 47869 802 41 00000	USB	(PY)

E06	19-12	0310	13426	Mon	537 802 41 43759 61954 60054 ... 67400 24033 47869 802 41 00000	USB	(PY)
E06	20-12	0210	9382	Tue	537 802 41 43759 61954 60054 ... 67400 24033 47869 802 41 00000	USB	(PY)
E06	20-12	0310	13426	Tue	537 802 41 43759 61954 60054 ... 67400 24033 47869 802 41 00000	USB	(PY)
E06	22-12	0300	14654	Thu	361 284 37 76248 27751 08778 ... 94852 24685 05541 284 37 00000	USB	(PY)
E06	22-12	0400	12177	Thu	361 284 37 76248 27751 08778 ... 94852 24685 05541 284 37 00000	USB	(PY)
E06	22-12	1000	19144	Thu	392 751 44 31843 06338 00261 ... 34391 85126 07667 751 44 00000	USB	(PY)
E06	22-12	1030	17514	Thu	392 751 44 31843 06338 00261 ... 34391 85126 07667 751 44 00000	USB	(PY)
E06	22-12	1300	16318	Thu	392 751 44 31843 06338 00261 ... 34391 85126 07667 751 44 00000	USB	(AB/PY/HFD)
E06	22-12	1330	13955	Thu	392 751 44 31843 06338 00261 ... 34391 85126 07667 751 44 00000	USB	(PY/HFD)
E06	23-12	0300	14654	Fri	361 284 37 76248 27751 08778 ... 94852 24685 05541 284 37 00000	USB	(PY)
E06	23-12	0400	12177	Fri	361 284 37 76248 27751 08778 ... 94852 24685 05541 284 37 00000	USB	(PY)
E06	24-12	1300	7377	Sat	Active	USB	(FD)
E06	24-12	1330	5410	Sat	Active	USB	(FD)
E06	25-12	0930	9946	Sun	Active	USB	(FD)
E06	25-12	1000	8095	Sun	Active	USB	(FD)
E06	26-12	0210	9382	Mon	537 691 42 72044 77080 16405 ... 46836 87015 37915 691 42 00000	USB	(PY)
E06	26-12	0310	13426	Mon	537 691 42 72044 77080 16405 ... 46836 87015 37915 691 42 00000	USB	(PY)
E06	27-12	0210	9382	Tue	537 691 42 72044 77080 16405 ... 46836 87015 37915 691 42 00000	USB	(PY)
E06	27-12	0310	13426	Tue	537 691 42 72044 77080 16405 ... 46836 87015 37915 691 42 00000	USB	(PY)
E06	29-12	0300	14654	Thu	361 579 38 96244 42301 33622 ... 76157 37775 75194 579 38 00000	USB	(PY)
E06	29-12	0400	12177	Thu	361 579 38 96244 42301 33622 ... 76157 37775 75194 579 38 00000	USB	(PY)
E06	30-12	0300	14654	Fri	361 579 38 96244 42301 33622 ... 76157 37775 75194 579 38 00000	USB	(PY)
E06	30-12	0400	12177	Fri	361 579 38 96244 42301 33622 ... 76157 37775 75194 579 38 00000	USB	(PY)
E06	31-12	1300	7377	Sat	480 256 41 68128 53518 23246 ... 94601 82040 46795 256 41 00000	USB	(PY)
E06	31-12	1330	5410	Sat	480 256 41 68128 53518 23246 ... 94601 82040 46795 256 41 00000	USB	(PY)
E07	1-12	1410	10226	Thu	674 674 674 000	USB	(AB/MPJ/HFD)
E07	1-12	1430	9226	Thu	674 674 674 000	USB	(AB/MPJ/HFD)
E07	2-12	1500	13539	Fri	512 512 512 000	USB	(AB/HFD)
E07	2-12	1520	12139	Fri	512 512 512 000	USB	(AB/HFD)
E07	3-12	1400	9243	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ/HFD)
E07	3-12	1410	10226	Sat	674 674 674 000	USB	(AB/MPJ)
E07	3-12	1430	9226	Sat	674 674 674 000	USB	(AB/MPJ)
E07	3-12	1435	8143	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ/HFD)
E07	3-12	1510	7643	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ/HFD)
E07	4-12	0700	9326	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/HFD)
E07	4-12	0735	10426	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/HFD)
E07	4-12	0810	11526	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/HFD)
E07	6-12	1500	13539	Tue	512 512 512 1 287 98 287 98 63377 18908 49222 ... 83516 66623 67609 000 000	USB	(AB)
E07	6-12	1520	12139	Tue	512 512 512 1 287 98 287 98 63377 18908 49222 ... 83516 66623 67609 000 000	USB	(AB)
E07	6-12	1540	10239	Tue	512 512 512 1 287 98 287 98 63377 18908 49222 ... 83516 66623 67609 000 000	USB	(AB)
E07	8-12	1410	10226	Thu	674 674 674 1 8343 77 8343 77 62800 56117 74570 ... 34455 58978 96889 000 000	USB	(AB/MPJ)
E07	8-12	1430	9226	Thu	674 674 674 1 8343 77 8343 77 62800 56117 74570 ... 34455 58978 96889 000 000	USB	(AB/MPJ)

E07	8-12	1450	8126	Thu	674 674 674 1 8343 77 8343 77 62800 56117 74570 ... 34455 58978 96889 000 000	USB	(AB/MPJ)
E07	9-12	1500	13539	Fri	512 512 512 1 287 98 287 98 63377 18908 49222 ... 83516 66623 67609 000 000	USB	(AB/PY/HFD)
E07	9-12	1520	12139	Fri	512 512 512 1 287 98 287 98 63377 18908 49222 ... 83516 66623 67609 000 000	USB	(AB/PY/HFD)
E07	9-12	1535	10239	Fri	1000Hz test tones, first DSB, then USB (no carrier)	USB	(PY)
E07	9-12	1536	10239	Fri	1000Hz test tones, first DSB, then USB (no carrier)	USB	(PY)
E07	9-12	1537	10239	Fri	1000Hz test tone, J3E USB	USB	(PY)
E07	9-12	1540	10239	Fri	512 512 512 1 287 98 287 98 63377 18908 49222 ... 83516 66623 67609 000 000	USB	(AB/PY/HFD)
E07	10-12	1400	9243	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ)
E07	10-12	1410	10226	Sat	674 674 674 1 8343 77 8343 77 62800 56117 74570 ... 34455 58978 96889 000 000	USB	(AB/MPJ)
E07	10-12	1430	9226	Sat	674 674 674 1 8343 77 8343 77 62800 56117 74570 ... 34455 58978 96889 000 000	USB	(AB/MPJ)
E07	10-12	1435	8143	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ)
E07	10-12	1450	8126	Sat	674 674 674 1 8343 77 8343 77 62800 56117 74570 ... 34455 58978 96889 000 000	USB	(AB/MPJ)
E07	10-12	1510	7643	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ)
E07	11-12	0700	9326	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB)
E07	11-12	0735	10426	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB)
E07	11-12	0810	11526	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB)
E07	13-12	1500	13539	Tue	512 512 512 000	USB	(AB)
E07	13-12	1520	12139	Tue	512 512 512 000	USB	(AB)
E07	15-12	1410	10226	Thu	674 674 674 000	USB	(AB/MPJ)
E07	15-12	1430	9226	Thu	674 674 674 000	USB	(AB/MPJ)
E07	16-12	1500	13539	Fri	512 512 512 000	USB	(AB)
E07	16-12	1520	12139	Fri	512 512 512 000	USB	(AB)
E07	17-12	1400	9243	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ)
E07	17-12	1410	10226	Sat	674 674 674 000	USB	(AB/MPJ)
E07	17-12	1430	9226	Sat	674 674 674 000	USB	(AB/MPJ)
E07	17-12	1435	8143	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ)
E07	17-12	1510	7643	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ)
E07	18-12	0700	9326	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB)
E07	18-12	0735	10426	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB)
E07	18-12	0810	11526	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB)
E07	20-12	1500	13539	Tue	512 512 512 1 362 118 362 118 93600 29933 24808 ... 39596 60333 36489 000 000	USB	(AB/MPJ)
E07	20-12	1520	12139	Tue	512 512 512 1 362 118 362 118 93600 29933 24808 ... 39596 60333 36489 000 000	USB	(AB/MPJ)
E07	20-12	1540	10239	Tue	512 512 512 1 362 118 362 118 93600 29933 24808 ... 39596 60333 36489 000 000	USB	(AB/MPJ)
E07	22-12	1410	10226	Thu	674 674 674 1 126 48 126 48 21432 15770 04411 ... 79639 64312 94299 000 000	USB	(AB)
E07	22-12	1430	9226	Thu	674 674 674 1 126 48 126 48 21432 15770 04411 ... 79639 64312 94299 000 000	USB	(AB/MPJ)
E07	22-12	1450	8126	Thu	674 674 674 1 126 48 126 48 21432 15770 04411 ... 79639 64312 94299 000 000	USB	(AB/MPJ)
E07	23-12	1500	13539	Fri	512 512 512 1 362 118 362 118 93600 29933 24808 ... 39596 60333 36489 000 000	USB	(AB)
E07	23-12	1520	12139	Fri	512 512 512 1 362 118 362 118 93600 29933 24808 ... 39596 60333 36489 000 000	USB	(AB)
E07	23-12	1540	10239	Fri	512 512 512 1 362 118 362 118 93600 29933 24808 ... 39596 60333 36489 000 000	USB	(AB)
E07	24-12	1400	9243	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ)
E07	24-12	1410	10226	Sat	674 674 674 1 126 48 126 48 21432 15770 04411 ... 79639 64312 94299 000 000	USB	(AB/MPJ-HOL)
E07	24-12	1430	9226	Sat	674 674 674 1 126 48 126 48 21432 15770 04411 ... 79639 64312 94299 000 000	USB	(AB/MPJ-HOL)

E07	24-12	1435	8143	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ)
E07	24-12	1450	8126	Sat	674 674 674 1 126 48 126 48 21432 15770 04411 ... 79639 64312 94299 000 000	USB	(AB/MPJ-HOL)
E07	24-12	1510	7643	Sat	116 116 116 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB/MPJ)
E07	25-12	0700	9326	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB)
E07	25-12	0735	10426	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB)
E07	25-12	0810	11526	Sun	345 345 345 1 379 277 379 277 46463 64094 01838 ... 20247 00736 90582 000 000	USB	(AB)
E07	27-12	1500	13539	Tue	512 512 512 000	USB	(MPJ)
E07	27-12	1520	12139	Tue	512 512 512 000	USB	(MPJ)
E07	29-12	1410	10226	Thu	674 674 674 000	USB	(AB)
E07	29-12	1430	9226	Thu	674 674 674 000	USB	(AB)
E07	30-12	1500	13539	Fri	512 512 512 000	USB	(AB)
E07	30-12	1520	12139	Fri	512 512 512 000	USB	(AB)
E07	31-12	1400	9243	Sat	116 116 116 000	USB	(AB/MPJ)
E07	31-12	1410	10226	Sat	674 674 674 000	USB	(AB/MPJ)
E07	31-12	1430	9226	Sat	674 674 674 000	USB	(AB/MPJ)
E07	31-12	1435	8143	Sat	116 116 116 000	USB	(AB/MPJ)
E11	1-12	0315	9052	Thu	258/00	USB	(AB)
E11	1-12	0505	12153	Thu	334/00	USB	(AB-CYP)
E11	1-12	0745	13908	Thu	229/00	USB	(AB)
E11	1-12	0820	5149	Thu	435/00	USB	(AB)
E11	1-12	0845	17378	Thu	157/00	USB	(AB)
E11	1-12	0930	7469	Thu	278/00	USB	(AB)
E11	1-12	1300	4909	Thu	311/00	USB	(AB/MPJ)
E11	1-12	1530	5409	Thu	261/00	USB	(AB)
E11	1-12	1730	5779	Thu	415/00	USB	(AB/MPJ)
E11	1-12	1900	6849	Thu	644/00	USB	(AB/MPJ)
E11	1-12	2000	5082	Thu	527/00	USB	(AB)
E11	2-12	0700	6804	Fri	579/00	USB	(AB)
E11	2-12	0715	9130	Fri	639/00	USB	(AB)
E11	2-12	0745	17378	Fri	344/00	USB	(AB)
E11	2-12	0820	5149	Fri	434/00	USB	(AB)
E11	2-12	0830	14940	Fri	185/00	USB	(AB)
E11	2-12	1000	9079	Fri	302/00	USB	(AB)
E11	2-12	1715	5082	Fri	978/00	USB	(AB/MPJ)
E11	2-12	1815	6849	Fri	929/00	USB	(AB)
E11	3-12	0700	5371	Sat	498/00	USB	(AB)
E11	3-12	1430	13363	Sat	915/00	USB	(AB/MPJ)
E11	3-12	1910	4505	Sat	391/00	USB	(AB)
E11	4-12	0700	5371	Sun	492/00	USB	(AB)
E11	4-12	1605	5432	Sun	233/00	USB	(MPJ)
E11	4-12	1815	6849	Sun	926/00	USB	(AB)
E11	4-12	1910	10487	Sun	612/00	USB	(MPJ)

E11	4-12	2000	5082	Sun	527/00	USB	(AB)
E11	5-12	0450	4909	Mon	415/00	USB	(AB-POL)
E11	5-12	0715	11104	Mon	751/00	USB	(AB)
E11	5-12	0745	10213	Mon	266/00	USB	(AB)
E11	5-12	0830	14940	Mon	184/00	USB	(AB)
E11	5-12	0900	11092	Mon	533/00	USB	(AB)
E11	5-12	1045	11100	Mon	698/00	USB	(AB)
E11	5-12	1300	4909	Mon	311/00	USB	(AB-POL)
E11	5-12	1900	6849	Mon	649/00	USB	(AB)
E11	6-12	0505	12153	Tue	335/00	USB	(AB-CYP)
E11	6-12	0645	7840	Tue	510/00	USB	(AB)
E11	6-12	0700	6804	Tue	571/00	USB	(AB)
E11	6-12	0820	14611	Tue	135/00	USB	(AB)
E11	6-12	1000	9079	Tue	306/00	USB	(AB)
E11	6-12	1205	6433	Tue	466/00	USB	(AB)
E11	6-12	1430	13363	Tue	914/00	USB	(AB)
E11	7-12	0315	9052	Wed	253/00	USB	(AB-POL)
E11	7-12	0715	11104	Wed	751/00	USB	(AB)
E11	7-12	0745	17378	Wed	342/00	USB	(AB-POL)
E11	7-12	0820	14611	Wed	132/00	USB	(AB)
E11	7-12	0900	11092	Wed	535/00	USB	(AB)
E11	7-12	0930	7469	Wed	278/00	USB	(AB)
E11	7-12	1045	11100	Wed	690/00	USB	(AB)
E11	7-12	1205	6433	Wed	462/00	USB	(AB-POL)
E11	8-12	0315	9052	Thu	251/00	USB	(AB-POL)
E11	8-12	0505	12153	Thu	331/00	USB	(AB-CYP)
E11	8-12	0645	7840	Thu	510/00	USB	(AB)
E11	8-12	0820	5149	Thu	431/00	USB	(AB)
E11	8-12	0930	7469	Thu	276/00	USB	(AB)
E11	8-12	1300	4909	Thu	315/00	USB	(AB/MPJ)
E11	8-12	1530	5409	Thu	267/00	USB	(AB/MPJ)
E11	8-12	1730	5779	Thu	410/00	USB	(AB/MPJ)
E11	8-12	1900	6849	Thu	641/00	USB	(AB)
E11	8-12	2000	5082	Thu	527/00	USB	(AB)
E11	9-12	0600	7850	Fri	355/00	USB	(AB)
E11	9-12	0700	6804	Fri	571/00	USB	(AB)
E11	9-12	0745	17378	Fri	340/00	USB	(AB-POL)
E11	9-12	0820	5149	Fri	431/00	USB	(AB)
E11	9-12	0830	14940	Fri	180/00	USB	(AB)
E11	9-12	1000	9079	Fri	308/00	USB	(AB)
E11	10-12	0700	5371	Sat	497/00	USB	(AB)
E11	10-12	1430	13363	Sat	917/00	USB	(AB/MPJ)

E11	10-12	1530	4909	Sat	364/00	USB	(AB/MPJ)
E11	11-12	0600	7850	Sun	354/00	USB	(AB/HFD)
E11	11-12	0700	5371	Sun	490/00	USB	(AB)
E11	11-12	1530	4909	Sun	369/00	USB	(AB/MPJ)
E11	11-12	2000	5082	Sun	525/00	USB	(AB)
E11	12-12	0450	4909	Mon	418/00	USB	(AB-POL)
E11	12-12	0640	16005	Mon	942/00	USB	(AB)
E11	12-12	0715	11104	Mon	757/00	USB	(AB)
E11	12-12	0745	10213	Mon	266/00	USB	(AB)
E11	12-12	0830	14940	Mon	184/00	USB	(AB)
E11	12-12	0845	12067	Mon	713/00	USB	(AB)
E11	12-12	0900	11092	Mon	533/00	USB	(AB)
E11	12-12	1045	11100	Mon	696/00	USB	(AB/MPJ)
E11	12-12	1300	4909	Mon	319/00	USB	(AB-POL)
E11	12-12	1745	12924	Mon	242/00	USB	(AB)
E11	12-12	1900	6849	Mon	648/00	USB	(AB/MPJ)
E11	13-12	0645	7840	Tue	512/00	USB	(AB)
E11	13-12	0700	6804	Tue	571/00	USB	(AB)
E11	13-12	0715	9130	Tue	634/00	USB	(AB)
E11	13-12	0745	13908	Tue	220/00	USB	(AB)
E11	13-12	0820	14611	Tue	134/00	USB	(AB)
E11	13-12	0845	17378	Tue	155/00	USB	(AB)
E11	13-12	1000	9079	Tue	307/00	USB	(AB)
E11	13-12	1205	6433	Tue	469/00	USB	(AB)
E11	13-12	1430	13363	Tue	917/00	USB	(AB/MPJ)
E11	13-12	1605	5432	Tue	236/00	USB	(AB/MPJ)
E11	14-12	0315	9052	Wed	252/00	USB	(AB-POL)
E11	14-12	0640	16005	Wed	946/00	USB	(AB)
E11	14-12	0715	11104	Wed	753/00	USB	(AB)
E11	14-12	0745	17378	Wed	347/00	USB	(AB-POL)
E11	14-12	0820	14611	Wed	131/00	USB	(AB)
E11	14-12	0845	12067	Wed	710/00	USB	(AB)
E11	14-12	0900	11092	Wed	533/00	USB	(AB)
E11	14-12	0930	7469	Wed	277/00	USB	(AB)
E11	14-12	1045	11100	Wed	690/00	USB	(AB)
E11	14-12	1205	6433	Wed	460/00	USB	(AB-POL)
E11	14-12	1715	5082	Wed	976/00	USB	(AB)
E11	14-12	1910	4505	Wed	399/00	USB	(AB/MPJ)
E11	15-12	0315	9052	Thu	255/00	USB	(AB-POL)
E11	15-12	0645	7840	Thu	518/00	USB	(AB)
E11	15-12	0745	13908	Thu	227/00	USB	(AB-POL)
E11	15-12	0820	5149	Thu	435/00	USB	(AB)

E11	15-12	0845	17378	Thu	154/00	USB	(AB)
E11	15-12	0930	7469	Thu	270/00	USB	(AB)
E11	15-12	1300	4909	Thu	315/00	USB	(AB/MPJ)
E11	15-12	1530	5409	Thu	269/00	USB	(AB/MPJ)
E11	15-12	1730	5779	Thu	412/00	USB	(AB/MPJ)
E11	15-12	1900	6849	Thu	640/00	USB	(AB/MPJ)
E11	15-12	2000	5082	Thu	521/00	USB	(AB)
E11	16-12	0600	7850	Fri	350/00	USB	(AB/HFD)
E11	16-12	0700	6804	Fri	570/00	USB	(AB)
E11	16-12	0715	9130	Fri	636/00	USB	(AB)
E11	16-12	0745	17378	Fri	346/00	USB	(AB-POL)
E11	16-12	0820	5149	Fri	438/00	USB	(AB)
E11	16-12	0830	14940	Fri	189/00	USB	(AB)
E11	16-12	1000	9079	Fri	307/00	USB	(AB)
E11	16-12	1715	5082	Fri	975/00	USB	(AB/MPJ)
E11	16-12	1815	6849	Fri	925/00	USB	(AB)
E11	16-12	1910	10487	Fri	618/00	USB	(AB)
E11	17-12	1430	13363	Sat	919/00	USB	(AB-POL/MPJ)
E11	17-12	1530	4909	Sat	366/00	USB	(AB/MPJ-POL)
E11	17-12	1910	4505	Sat	393/00	USB	(AB/MPJ)
E11	18-12	0600	7850	Sun	355/00	USB	(AB)
E11	18-12	1530	4909	Sun	366/00	USB	(AB/MPJ)
E11	18-12	1605	5432	Sun	237/00	USB	(AB/MPJ)
E11	18-12	1745	12924	Sun	242/00	USB	(MPJ)
E11	18-12	1815	6849	Sun	925/00	USB	(AB)
E11	18-12	1910	10487	Sun	617/00	USB	(AB-POL/MPJ-FIN)
E11	18-12	2000	5082	Sun	524/00	USB	(AB)
E11	19-12	0640	16005	Mon	944/00	USB	(AB/HFD)
E11	19-12	0715	11104	Mon	754/00	USB	(AB)
E11	19-12	0830	14940	Mon	189/00	USB	(AB)
E11	19-12	0845	12067	Mon	713/00	USB	(AB)
E11	19-12	1045	11100	Mon	693/00	USB	(AB)
E11	19-12	1745	12924	Mon	247/00	USB	(AB-POL/MPJ-HNG)
E11	19-12	1900	6849	Mon	647/00	USB	(AB/MPJ)
E11	20-12	0505	12153	Tue	330/00	USB	(AB-POL)
E11	20-12	0645	7840	Tue	514/00	USB	(AB)
E11	20-12	0700	6804	Tue	574/00	USB	(AB)
E11	20-12	0715	9130	Tue	631/00	USB	(AB)
E11	20-12	0745	13908	Tue	220/00	USB	(AB-CYP)
E11	20-12	0820	14611	Tue	134/00	USB	(AB)
E11	20-12	0845	17378	Tue	152/00	USB	(AB)
E11	20-12	1000	9079	Tue	302/00	USB	(AB)

E11	20-12	1205	6433	Tue	461/00	USB	(AB/MPJ)
E11	20-12	1605	5432	Tue	237/00	USB	(AB/MPJ)
E11	21-12	0640	16005	Wed	944/00	USB	(AB)
E11	21-12	0715	11104	Wed	750/00	USB	(AB)
E11	21-12	0745	17378	Wed	342/00	USB	(AB)
E11	21-12	0820	14611	Wed	138/00	USB	(AB)
E11	21-12	0845	12067	Wed	711/00	USB	(AB)
E11	21-12	1045	11100	Wed	694/00	USB	(AB)
E11	21-12	1205	6433	Wed	466/00	USB	(AB-POL)
E11	21-12	1715	5082	Wed	974/00	USB	(AB/MPJ)
E11	21-12	1910	4505	Wed	391/00	USB	(AB/MPJ)
E11	22-12	0505	12153	Thu	331/00	USB	(AB-KWT)
E11	22-12	0645	7840	Thu	514/00	USB	(AB)
E11	22-12	0745	13908	Thu	225/00	USB	(AB)
E11	22-12	0845	17378	Thu	157/00	USB	(AB)
E11	22-12	1900	6849	Thu	641/00	USB	(AB-POL)
E11	23-12	0600	7850	Fri	359/00	USB	(AB)
E11	23-12	0700	6804	Fri	577/00	USB	(AB)
E11	23-12	0715	9130	Fri	635/00	USB	(AB)
E11	23-12	0745	17378	Fri	347/00	USB	(AB)
E11	23-12	0830	14940	Fri	189/00	USB	(AB)
E11	23-12	1000	9079	Fri	308/00	USB	(AB)
E11	23-12	1715	5082	Fri	975/00	USB	(AB/MPJ)
E11	23-12	1815	6849	Fri	924/00	USB	(AB/MPJ)
E11	23-12	1910	10487	Fri	611/00	USB	(AB)
E11	24-12	0700	5371	Sat	490/00	USB	(AB)
E11	24-12	1530	4909	Sat	366/00	USB	(AB)
E11	24-12	1910	4505	Sat	392/00	USB	(AB-POL)
E11	25-12	0600	7850	Sun	354/00	USB	(AB-POL)
E11	25-12	0700	5371	Sun	490/00	USB	(AB)
E11	25-12	1530	4909	Sun	369/00	USB	(AB)
E11	25-12	1605	5432	Sun	231/00	USB	(AB)
E11	25-12	1745	12924	Sun	242/00	USB	(AB-POL)
E11	25-12	1815	6849	Sun	924/00	USB	(AB-POL)
E11	26-12	0450	4909	Mon	416/00	USB	(AB)
E11	26-12	0640	16005	Mon	944/00	USB	(AB)
E11	26-12	0745	10213	Mon	266/00	USB	(AB)
E11	26-12	0845	12067	Mon	719/00	USB	(AB)
E11	26-12	0900	11092	Mon	533/00	USB	(AB)
E11	26-12	1300	4909	Mon	310/00	USB	(AB)
E11	27-12	0505	12153	Tue	332/00	USB	(AB-POL)
E11	27-12	0715	9130	Tue	634/00	USB	(AB)

E11	27-12	0745	13908	Tue	225/00	USB	(AB)
E11	27-12	0845	17378	Tue	151/00	USB	(AB)
E11	27-12	1430	13363	Tue	917/00	USB	(AB)
E11	27-12	1605	5432	Tue	233/00	USB	(MPJ)
E11	28-12	0315	9052	Wed	255/00	USB	(AB-POL)
E11	28-12	0640	16005	Wed	949/00	USB	(AB)
E11	28-12	0845	12067	Wed	716/00	USB	(AB)
E11	28-12	0900	11092	Wed	532/00	USB	(AB)
E11	28-12	0930	7469	Wed	279/00	USB	(AB)
E11	28-12	1715	5082	Wed	977/00	USB	(MPJ)
E11	28-12	1910	4505	Wed	395/00	USB	(AB)
E11	29-12	0505	12153	Thu	333/00	USB	(AB-POL)
E11	29-12	0745	13908	Thu	227/00	USB	(AB)
E11	29-12	0820	5149	Thu	436/00	USB	(AB)
E11	29-12	0845	17378	Thu	159/00	USB	(AB)
E11	29-12	0930	7469	Thu	271/00	USB	(AB)
E11	29-12	1300	4909	Thu	319/00	USB	(AB-POL/MPJ-FIN)
E11	29-12	1530	5409	Thu	266/00	USB	(AB/MPJ)
E11	29-12	1730	5779	Thu	414/00	USB	(AB/MPJ)
E11	29-12	2000	5082	Thu	520/00	USB	(AB)
E11	30-12	0600	7850	Fri	355/00	USB	(AB)
E11	30-12	0715	9130	Fri	631/00	USB	(AB)
E11	30-12	0820	5149	Fri	439/00	USB	(AB)
E11	30-12	1715	5082	Fri	976/00	USB	(AB)
E11	30-12	1815	6849	Fri	922/00	USB	(AB)
E11	30-12	1910	10487	Fri	617/00	USB	(AB-POL)
E11	31-12	0700	5371	Sat	495/00	USB	(AB)
E11	31-12	1430	13363	Sat	910/00	USB	(AB)
E11	31-12	1530	4909	Sat	365/00	USB	(AB)
E11	31-12	1910	4505	Sat	392/00	USB	(AB)
E11a	2-12	0600	7850	Fri	354/39 Attention 32949 04868 43928 ... 55392 02563 53537 Attention (message repeated) Out	USB	(AB)
E11a	3-12	1530	4909	Sat	365/37 Attention 19573 46998 59763 ... 64545 17697 32247 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4-12	0600	7850	Sun	354/39 Attention 32949 04868 43928 ... 55392 02563 53537 Attention (message repeated) Out	USB	(AB)
E11a	4-12	1530	4909	Sun	365/37 Attention 19573 46998 59763 ... 64545 17697 32247 Attention (message repeated) Out	USB	(MPJ)
E11a	5-12	0640	16005	Mon	942/30 Attention 12453 56446 25274 ... 19267 19125 17737 Attention (message repeated) Out	USB	(AB)
E11a	5-12	1745	12924	Mon	247/30 Attention 12330 95724 12973 ... 34060 20821 37412 Attention (message repeated) Out	USB	(AB-POL)
E11a	6-12	0715	9130	Tue	637/37 Attention 85230 87192 39843 ... 57392 80591 11558 Attention (message repeated) Out	USB	(AB)
E11a	6-12	0745	13908	Tue	228/38 Attention 05435 51637 05670 ... 24480 94866 48860 Attention (message repeated) Out	USB	(AB)
E11a	6-12	0845	17378	Tue	153/33 Attention 75164 48944 47531 ... 93512 21947 40459 Attention (message repeated) Out	USB	(AB)
E11a	6-12	1605	5432	Tue	237/36 Attention 15787 59828 11693 ... 67824 59305 47076 Attention (message repeated) Out	USB	(AB)
E11a	7-12	0640	16005	Wed	942/30 Attention 12453 56446 25274 ... 19267 19125 17737 Attention (message repeated) Out	USB	(AB)
E11a	7-12	0845	12067	Wed	715/38 Attention 84050 40961 19510 ... 12800 83849 53019 Attention (message repeated) Out	USB	(AB)

E11a	7-12	1715	5082	Wed	977/32 Attention 01232 60830 86949 ... 40129 99520 90037 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7-12	1910	4505	Wed	394/36 Attention 68468 69748 36054 ... 05468 24195 00876 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	8-12	0745	13908	Thu	228/38 Attention 05435 51637 05670 ... 24480 94866 48860 Attention (message repeated) Out	USB	(AB-POL)
E11a	8-12	0845	17378	Thu	153/33 Attention 75164 48944 47531 ... 93512 21947 40459 Attention (message repeated) Out	USB	(AB)
E11a	9-12	0715	9130	Fri	637/37 Attention 85230 87192 39843 ... 57392 80591 11558 Attention (message repeated) Out	USB	(AB)
E11a	9-12	1715	5082	Fri	977/32 Attention 01232 60830 86949 ... 40129 99520 90037 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	9-12	1815	6849	Fri	925/33 Attention 25430 85939 59105 ... 31800 43284 78427 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10-12	1910	4505	Sat	394/36 Attention 68468 69748 36054 ... 05468 24195 00876 Attention (message repeated) Out	USB	(AB)
E11a	11-12	1605	5432	Sun	237/36 Attention 15787 59828 11693 ... 67824 59305 47076 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	11-12	1745	12924	Sun	247/40 Attention (unreadable) ... 34060 20821 37412 Attention (message repeated) Out	USB	(AB-KWT/MPJ)
E11a	11-12	1815	6849	Sun	925/33 Attention 25430 85939 59105 ... 31800 43284 78427 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	11-12	1910	10487	Sun	610/32 Attention 17293 71349 ... (too weak to copy)	USB	(AB-KWT/MPJ)
E11a	15-12	0505	12153	Thu	330/33 Attention 59846 78918 56660 ... 14496 09920 45288 Attention (message repeated) Out	USB	(AB-KWT)
E11a	17-12	0700	5371	Sat	496/36 Attention 37040 42045 85984 ... 92780 04651 13053 Attention (message repeated) Out	USB	(AB)
E11a	18-12	0700	5371	Sun	496/36 Attention 37040 42045 85984 ... 92780 04651 13053 Attention (message repeated) Out	USB	(AB)
E11a	19-12	0450	4909	Mon	414/32 Attention 54366 73137 08700 ... 54452 00387 85650 Attention (message repeated) Out	USB	(AB)
E11a	19-12	0745	10213	Mon	260/40 Attention 31150 58069 06265 ... 40001 43551 06222 Attention (message repeated) Out	USB	(AB)
E11a	19-12	0900	11092	Mon	537/38 Attention 44453 78959 44055 ... 55893 90816 79796 Attention (message repeated) Out	USB	(AB)
E11a	19-12	1300	4909	Mon	315/33 Attention 96614 61800 77044 ... 47341 31341 64600 Attention (message repeated) Out	USB	(AB-POL)
E11a	20-12	1430	13363	Tue	915/34 Attention 58854 84492 03379 ... 80954 86947 96337 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	21-12	0315	9052	Wed	259/33 Attention (too weak to copy)	USB	(AB-POL)
E11a	21-12	0900	11092	Wed	537/38 Attention 44453 78959 44055 ... 55893 90816 79796 Attention (message repeated) Out	USB	(AB)
E11a	21-12	0930	7469	Wed	275/34 Attention 60792 52595 94273 ... 71863 73568 29032 Attention (message repeated) Out	USB	(AB)
E11a	22-12	0315	9052	Thu	259/33 Attention (too weak to copy)	USB	(AB-POL)
E11a	22-12	0820	5149	Thu	430/32 Attention 83036 09380 27299 ... 39419 03713 05125 Attention (message repeated) Out	USB	(AB)
E11a	22-12	0930	7469	Thu	275/34 Attention 60792 52595 94273 ... 71863 73568 29032 Attention (message repeated) Out	USB	(AB)
E11a	22-12	1300	4909	Thu	315/33 Attention 96614 61800 77044 ... 47341 31341 64600 Attention (message repeated) Out	USB	(AB)
E11a	22-12	1530	5409	Thu	260/40 Attention 31150 58069 06265 ... 40001 43551 06222 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	22-12	1730	5779	Thu	414/32 Attention 54366 73137 08700 ... 54452 00387 85650 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	22-12	2000	5082	Thu	521/35 Attention 91473 91319 42459 ... 62009 17500 76567 Attention (message repeated) Out	USB	(AB)
E11a	23-12	0820	5149	Fri	430/32 Attention 83036 09380 27299 ... 39419 03713 05125 Attention (message repeated) Out	USB	(AB)
E11a	24-12	1430	13363	Sat	915/34 Attention 58854 84492 03379 ... 80954 86947 96337 Attention (message repeated) Out	USB	(AB)
E11a	25-12	2000	5082	Sun	521/35 Attention 91473 91319 42459 ... 62009 17500 76567 Attention (message repeated) Out	USB	(AB)
E11a	26-12	0715	11104	Mon	752/32 Attention 93642 97258 26810 ... 89860 85255 72223 Attention (message repeated) Out	USB	(AB)
E11a	26-12	0830	14940	Mon	185/35 Attention 57215 42696 37043 ... 39666 65965 54870 Attention (message repeated) Out	USB	(AB-POL)
E11a	26-12	1045	11100	Mon	692/31 Attention 83912 25779 51529 ... 68587 22763 05003 Attention (message repeated) Out	USB	(AB)
E11a	26-12	1900	6849	Mon	647/35 Attention 48825 41393 24827 ... 37945 31534 29536 Attention (message repeated) Out	USB	(AB)
E11a	27-12	0645	7840	Tue	511/30 Attention 76374 28718 81117 ... 31878 19986 79906 Attention (message repeated) Out	USB	(AB)
E11a	27-12	0700	6804	Tue	575/34 Attention 92816 23832 95849 ... 35694 44889 12043 Attention (message repeated) Out	USB	(AB)
E11a	27-12	0820	14611	Tue	132/32 Attention 01211 69750 92612 ... 66409 18795 09978 Attention (message repeated) Out	USB	(AB)
E11a	27-12	1000	9079	Tue	308/21 Attention 84248 50100 10866 ... 87169 56968 61326 Attention (message repeated) Out	USB	(AB)
E11a	27-12	1205	6433	Tue	463/36 Attention 74837 27825 45275 ... 05093 85623 88570 Attention (message repeated) Out	USB	(AB)

E11a	28-12	0715	11104	Wed	752/32 Attention 93642 97258 26810 ... 89860 85255 72223 Attention (message repeated) Out	USB	(AB)
E11a	28-12	0820	14611	Wed	132/32 Attention 01211 69750 92612 ... 66409 18795 09978 Attention (message repeated) Out	USB	(AB)
E11a	28-12	1045	11100	Wed	692/31 Attention 83912 25779 51529 ... 68587 22763 05003 Attention (message repeated) Out	USB	(AB)
E11a	28-12	0745	17378	Wed	343/32 Attention 29003 80005 77291 ... 76285 37826 60425 Attention (message repeated) Out	USB	(AB)
E11a	28-12	1205	6433	Wed	463/36 Attention 74837 27825 45275 ... 05093 85623 88570 Attention (message repeated) Out	USB	(AB-POL)
E11a	29-12	0645	7840	Thu	511/30 Attention 76374 28718 81117 ... 31878 19986 79906 Attention (message repeated) Out	USB	(AB)
E11a	29-12	1900	6849	Thu	647/35 Attention 48825 41393 24827 ... 37945 31534 29536 Attention (message repeated) Out	USB	(AB)
E11a	30-12	0700	6804	Fri	575/34 Attention 92816 23832 95849 ... 35694 44889 12043 Attention (message repeated) Out	USB	(AB)
E11a	30-12	0745	17378	Fri	343/32 Attention 29003 80005 77291 ... 76285 37826 60425 Attention (message repeated) Out	USB	(AB)
E11a	30-12	0830	14940	Fri	185/35 Attention 57215 42696 37043 ... 39666 65965 54870 Attention (message repeated) Out	USB	(AB)
E11a	30-12	1000	9079	Fri	308/21 Attention 84248 50100 10866 ... 87169 56968 61326 Attention (message repeated) Out	USB	(AB)
EGY	7-12	1006	16066	Wed	MFA Cairo messages to Egyptian embassies in Jakarta and Islamabad	CODAN-16/9001	(EW)
EGY	7-12	1238	16066	Wed	MFA Cairo msg in Arabic to Egyptian embassy Jakarka	CODAN-16	(EW)
EGY	7-12	1238	16230	Wed	99902: MFA Cairo msg in Arabic to 72555: unid Egyptian embassy	CODAN-16	(EW)
EGY	7-12	1238	16333	Wed	99901: MFA Cairo msg in Arabic to 5: Egyptian embassy Abu Dhabi	CODAN-16	(EW)
EGY	7-12	1258	16222	Wed	MFA Cairo clg TVVP: Egyptian embassy Abu Dhabi	SITOR-A 100/170	(EW)
EGY	7-12	1258	16222	Wed	99902: MFA Cairo msg in Arabic to 72555: unid Egyptian embassy	CODAN-16	(EW)
F01	1-12	1015	12164	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	1-12	1025	10336	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	1-12	1035	8016	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	2-12	1015	12164	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	2-12	1025	10336	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	2-12	1035	8016	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	7-12	1940	7684	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	7-12	1950	5326	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	7-12	2000	4029	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	16-12	1015	12164	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	16-12	1025	10336	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	16-12	1035	8016	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	19-12	1015	12164	Mon	Russian diplo/intel. 31999 33603 14775 ... 86427 23609 45407 00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	19-12	1025	10336	Mon	Russian diplo/intel. 31999 33603 14775 ... 86427 23609 45407 00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	19-12	1035	8016	Mon	Russian diplo/intel. 31999 33603 14775 ... 86427 23609 45407 00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	20-12	1015	12164	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	20-12	1025	10336	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	20-12	1035	8016	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	21-12	1015	12164	Wed	Russian diplo/intel. 94017 53534 07471 ... 71246 88309 48403 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	21-12	1025	10336	Wed	Russian diplo/intel. 94017 53534 07471 ... 71246 88309 48403 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	21-12	1035	8016	Wed	Russian diplo/intel. 94017 53534 07471 ... 71246 88309 48403 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	22-12	1015	12164	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)

F01	22-12	1025	10336	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	22-12	1035	8016	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	23-12	1015	12164	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	23-12	1025	10336	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	23-12	1035	8016	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	26-12	1015	12164	Mon	Russian diplo/intel. 17502 03468 73290 ... 60241 12486 51411 00000 +++++	FSK 200/500	(AB)
F01	26-12	1025	10336	Mon	Russian diplo/intel. 17502 03468 73290 ... 60241 12486 51411 00000 +++++	FSK 200/500	(AB)
F01	26-12	1035	8016	Mon	Russian diplo/intel. 17502 03468 73290 ... 60241 12486 51411 00000 +++++	FSK 200/500	(AB)
F01	27-12	1015	12164	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	27-12	1025	10336	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	27-12	1035	8016	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	28-12	1015	12164	Wed	Russian diplo/intel. 04269 31367 35976 ... 29831 73266 54421 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	28-12	1025	10336	Wed	Russian diplo/intel. 04269 31367 35976 ... 29831 73266 54421 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	28-12	1035	8016	Wed	Russian diplo/intel. 04269 31367 35976 ... 29831 73266 54421 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	29-12	1015	12164	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	29-12	1025	10336	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	29-12	1035	8016	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	30-12	1015	12164	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	30-12	1025	10336	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	30-12	1035	8016	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F02	4-12	0923	16340	Sun	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	5-12	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	5-12	0830	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	5-12	0900	16083	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	6-12	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	6-12	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	6-12	0900	18446	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	6-12	1026	20416	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	6-12	1039	18474	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	8-12	1008	16281	Thu	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	8-12	1020	16281	Thu	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	9-12	0830	15626	Fri	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	9-12	0830	16166	Fri	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	12-12	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	12-12	0836	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	12-12	0900	16083	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	13-12	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	13-12	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	16-12	0830	15626	Fri	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)

F02	16-12	0830	16166	Fri	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	19-12	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	19-12	0836	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	19-12	0844	16083	Mon	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	19-12	0900	16083	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	19-12	1035	17510	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	20-12	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	20-12	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	23-12	0830	15626	Fri	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	23-12	0830	16166	Fri	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	26-12	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	26-12	0836	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	26-12	0900	16083	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	27-12	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	27-12	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	30-12	0830	15626	Fri	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	30-12	0830	16166	Fri	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F03	6-12	0635	14415	Tue	Polish intel.	FSK	(AB)
F03	6-12	0640	14415	Tue	Polish intel.	FSK	(AB)
F03	13-12	0635	14415	Tue	Polish intel.	FSK	(AB)
F03	13-12	0640	14415	Tue	Polish intel.	FSK	(AB)
F03	20-12	0635	14415	Tue	Polish intel.	FSK	(AB)
F03	20-12	0640	14415	Tue	Polish intel.	FSK	(AB)
F03	27-12	0635	14415	Tue	Polish intel.	FSK	(AB)
F03	27-12	0640	14415	Tue	Polish intel.	FSK	(AB)
F03j	1-12	0135	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-12	0140	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-12	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-12	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-12	0135	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-12	0140	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-12	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-12	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-12	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-12	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-12	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	2-12	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	3-12	0135	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-12	0140	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-12	0135	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-12	0140	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-12	0135	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	5-12	0140	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-12	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-12	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-12	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-12	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-12	0135	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-12	0140	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-12	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-12	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-12	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-12	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-12	0135	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-12	0140	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-12	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-12	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-12	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-12	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-12	0135	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-12	0140	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-12	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-12	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-12	0135	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-12	0140	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-12	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-12	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-12	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-12	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-12	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	9-12	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	10-12	0135	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-12	0140	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-12	0135	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-12	0140	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-12	0135	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-12	0140	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-12	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-12	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-12	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-12	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-12	0135	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-12	0140	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-12	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	13-12	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-12	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	13-12	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	14-12	0135	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	14-12	0140	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	14-12	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-12	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-12	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-12	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-12	0135	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-12	0140	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-12	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-12	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-12	0135	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-12	0140	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-12	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-12	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-12	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-12	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-12	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	16-12	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	17-12	0135	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-12	0140	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-12	0135	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-12	0140	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-12	0135	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-12	0140	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-12	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-12	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-12	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-12	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-12	0135	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-12	0140	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-12	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-12	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-12	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-12	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-12	0135	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	21-12	0140	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	21-12	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-12	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-12	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	21-12	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-12	0135	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-12	0140	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-12	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-12	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-12	0135	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-12	0140	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-12	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-12	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-12	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-12	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-12	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	23-12	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	24-12	0135	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-12	0140	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-12	0135	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	25-12	0140	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-12	0135	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-12	0140	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-12	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-12	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-12	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-12	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-12	0135	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-12	0140	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-12	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-12	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-12	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(MPJ)
F03j	27-12	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(MPJ)
F03j	28-12	0135	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	28-12	0140	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	28-12	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-12	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-12	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-12	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-12	0135	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-12	0140	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-12	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	29-12	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	30-12	0135	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-12	0140	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-12	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	30-12	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-12	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-12	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-12	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-12	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-12	0135	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-12	0140	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	1-12	0615	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-12	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-12	0635	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-12	0640	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-12	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-12	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-12	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-12	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-12	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-12	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-12	1335	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	1-12	1340	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	2-12	0735	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-12	0740	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-12	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-12	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-12	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-12	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-12	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-12	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-12	1335	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	2-12	1340	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	3-12	1335	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	3-12	1340	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	4-12	0735	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-12	0740	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-12	1335	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	4-12	1340	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	5-12	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	5-12	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	5-12	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-12	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-12	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-12	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-12	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	5-12	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-12	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-12	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-12	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-12	1040	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-12	1335	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-12	1340	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-12	0615	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-12	0620	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-12	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-12	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-12	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-12	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-12	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6-12	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6-12	1335	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-12	1340	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	0735	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	0740	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	1040	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	1335	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-12	1340	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	0615	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	0635	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	0640	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-12	1335	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	8-12	1340	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-12	0735	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-12	0740	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-12	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-12	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-12	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-12	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-12	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-12	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-12	1335	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-12	1340	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-12	0735	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-12	0740	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-12	1335	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-12	1340	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-12	0735	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-12	0740	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-12	1335	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	11-12	1340	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	12-12	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	12-12	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	12-12	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-12	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-12	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-12	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-12	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-12	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-12	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-12	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-12	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	12-12	1040	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	12-12	1335	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	12-12	1340	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	13-12	0615	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-12	0620	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-12	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-12	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-12	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-12	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-12	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-12	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-12	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)

F03I	13-12	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	13-12	1335	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-12	1340	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	0735	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	0740	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	1040	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	1335	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-12	1340	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-12	0615	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-12	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-12	0635	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-12	0640	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-12	0720	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/PY)
F03I	15-12	0725	8305	Thu	Polish intel. Off after a second	FSK-2 100Bd/200Hz	(AB/PY)
F03I	15-12	0735	8800	Thu	Polish intel. No transmission	FSK-2 100Bd/200Hz	(PY)
F03I	15-12	0737	8800	Thu	Polish intel. Test tone then F03I (1m45s)	FSK-2 100Bd/200Hz	(PY)
F03I	15-12	0740	8800	Thu	Polish intel. No transmsission	FSK-2 100Bd/200Hz	(PY)
F03I	15-12	0742	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	15-12	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-12	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-12	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-12	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-12	1335	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	15-12	1340	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	16-12	0735	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-12	0740	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-12	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-12	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-12	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-12	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-12	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-12	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-12	1335	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)

F03I	16-12	1340	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	17-12	0735	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-12	0740	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-12	1335	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	17-12	1340	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	18-12	0735	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-12	0740	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-12	1335	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	18-12	1340	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	19-12	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	19-12	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	19-12	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	1040	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	1335	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-12	1340	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-12	0615	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-12	0620	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-12	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-12	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-12	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-12	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-12	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-12	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-12	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	20-12	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	20-12	1335	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	20-12	1340	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	21-12	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	0735	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	0740	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	21-12	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	1040	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	1335	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-12	1340	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	0615	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	0635	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	0640	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-12	1335	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	22-12	1340	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	23-12	0735	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-12	0740	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-12	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-12	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-12	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-12	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-12	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-12	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-12	1335	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-12	1340	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-12	0735	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-12	0740	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-12	1335	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	24-12	1340	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	25-12	0735	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-12	0740	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-12	1335	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-12	1340	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	26-12	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	26-12	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	26-12	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	1040	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	1335	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-12	1340	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-12	0615	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-12	0620	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-12	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-12	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-12	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-12	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-12	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-12	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-12	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL/MPJ)
F03I	27-12	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL/MPJ)
F03I	27-12	1335	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	27-12	1340	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	28-12	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	0735	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	0740	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	1040	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-12	1335	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	28-12	1340	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	29-12	0615	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-12	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-12	0635	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-12	0640	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-12	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-12	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-12	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	29-12	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-12	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-12	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-12	1335	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	29-12	1340	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	30-12	0735	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-12	0740	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-12	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-12	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-12	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-12	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-12	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-12	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-12	1335	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-12	1340	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	31-12	0735	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	31-12	0740	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	31-12	1335	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	31-12	1340	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F06	1-12	0520	10975	Thu	Russian diplo/intel. 11100 00000 79462 30091 07229	FSK 200/1000	(AB)
F06	1-12	0530	9907	Thu	Russian diplo/intel. 11100 00000 79462 30091 07229	FSK 200/1000	(AB)
F06	1-12	0540	8184	Thu	Russian diplo/intel. 11100 00000 79462 30091 07229	FSK 200/1000	(AB)
F06	1-12	0600	20082	Thu	Russian diplo/intel. 11166 40122 96325 26031 03029 and 11166 40122 74185 26032 02979	FSK 200/1000	(AB-KOR)
F06	1-12	0610	18207	Thu	Russian diplo/intel. 11166 40122 96325 26031 03029 and 11166 40122 74185 26032 02979	FSK 200/1000	(AB-KOR)
F06	1-12	0620	16141	Thu	Russian diplo/intel. 11166 40122 96325 26031 03029 and 11166 40122 74185 26032 02979	FSK 200/1000	(AB-KOR)
F06	1-12	0700	11046	Thu	Russian diplo/intel. 11166 70202 96325 30074 01679 and 11166 70202 56487 30075 01959	FSK 200/1000	(AB)
F06	1-12	0710	9065	Thu	Russian diplo/intel. 11166 70202 96325 30074 01679 and 11166 70202 56487 30075 01959	FSK 200/1000	(AB)
F06	1-12	0720	7479	Thu	Russian diplo/intel. 11166 70202 96325 30074 01679 and 11166 70202 56487 30075 01959	FSK 200/1000	(AB)
F06	1-12	0800	16007	Thu	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB)
F06	1-12	0810	14513	Thu	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB)
F06	1-12	0820	13486	Thu	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB)
F06	1-12	1200	9178	Thu	Russian diplo/intel. 11166 70202 96325 30074 01679 and 11166 70202 56487 30075 01959	FSK 200/1000	(AB)
F06	1-12	1210	7624	Thu	Russian diplo/intel. 11166 70202 96325 30074 01679 and 11166 70202 56487 30075 01959	FSK 200/1000	(AB)

F06	1-12	1220	5789	Thu	Russian diplo/intel. 11166 70202 96325 30074 01679 and 11166 70202 56487 30075 01959	FSK 200/1000	(AB)
F06	1-12	1300	12218	Thu	Russian diplo/intel. 11100 00000 79462 30091 07229	FSK 200/1000	(AB)
F06	1-12	1310	11535	Thu	Russian diplo/intel. 11100 00000 79462 30091 07229	FSK 200/1000	(AB)
F06	1-12	1320	10162	Thu	Russian diplo/intel. 11100 00000 79462 30091 07229	FSK 200/1000	(AB)
F06	1-12	1340	10984	Thu	Russian diplo/intel. 11100 00000 85412 30092 03029 and 11100 00000 75319 30093 03029	FSK 200/1000	(AB)
F06	1-12	1350	10158	Thu	Russian diplo/intel. 11100 00000 85412 30092 03029 and 11100 00000 75319 30093 03029	FSK 200/1000	(AB)
F06	1-12	1400	9213	Thu	Russian diplo/intel. 11100 00000 85412 30092 03029 and 11100 00000 75319 30093 03029	FSK 200/1000	(AB)
F06	1-12	1700	5417	Thu	Russian diplo/intel. 11100 00000 85412 30092 03029 and 11100 00000 75319 30093 03029	FSK 200/1000	(AB)
F06	1-12	1710	4753	Thu	Russian diplo/intel. 11100 00000 85412 30092 03029 and 11100 00000 75319 30093 03029	FSK 200/1000	(AB)
F06	1-12	1720	4061	Thu	Russian diplo/intel. 11100 00000 85412 30092 03029 and 11100 00000 75319 30093 03029	FSK 200/1000	(AB)
F06	2-12	0700	11046	Fri	Russian diplo/intel. 11166 70202 65214 01046 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-12	0710	9065	Fri	Russian diplo/intel. 11166 70202 65214 01046 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-12	0720	7479	Fri	Russian diplo/intel. 11166 70202 65214 01046 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-12	1530	9416	Sun	Russian diplo/intel. 11166 10053 52369 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	4-12	1540	7836	Sun	Russian diplo/intel. 11166 10053 52369 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	4-12	1550	6785	Sun	Russian diplo/intel. 11166 10053 52369 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	5-12	0500	7379	Mon	Russian diplo/intel. 11166 70059 52369 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-12	0510	6774	Mon	Russian diplo/intel. 11166 70059 52369 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-12	0520	5463	Mon	Russian diplo/intel. 11166 70059 52369 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-12	0750	14444	Mon	Russian diplo/intel. 11100 00000 96324 02016 07129	FSK 200/1000	(PY)
F06	5-12	0840	14979	Mon	Russian diplo/intel. 11100 00000 96324 02016 07129	FSK 200/1000	(AB)
F06	5-12	0850	12170	Mon	Russian diplo/intel. 11100 00000 96324 02016 07129	FSK 200/1000	(AB)
F06	5-12	0900	9279	Mon	Russian diplo/intel. 11100 00000 96324 02016 07129	FSK 200/1000	(AB)
F06	5-12	0920	16280	Mon	Russian diplo/intel. 11100 00000 84136 02012 03359 and 11100 00000 75384 02013 03359	FSK 200/1000	(AB)
F06	5-12	0930	14451	Mon	Russian diplo/intel. 11100 00000 84136 02012 03359 and 11100 00000 75384 02013 03359	FSK 200/1000	(AB)
F06	5-12	0940	12114	Mon	Russian diplo/intel. 11100 00000 84136 02012 03359 and 11100 00000 75384 02013 03359	FSK 200/1000	(AB)
F06	5-12	1000	15940	Mon	Russian diplo/intel. 11100 00000 45632 02014 03529 and 11100 00000 15269 02015 03529	FSK 200/1000	(AB)
F06	5-12	1020	11083	Mon	Russian diplo/intel. 11100 00000 45632 02014 03529 and 11100 00000 15269 02015 03529	FSK 200/1000	(AB)
F06	5-12	1030	13491	Mon	Russian diplo/intel. 11100 00000 45632 02014 03529 and 11100 00000 15269 02015 03529	FSK 200/1000	(AB)

F06	5-12	1120	14842	Mon	Russian diplo/intel. 11100 00000 13527 02017 10029	FSK 200/1000	(AB)
F06	5-12	1130	12155	Mon	Russian diplo/intel. 11100 00000 13527 02017 10029	FSK 200/1000	(AB)
F06	5-12	1140	9155	Mon	Russian diplo/intel. 11100 00000 13527 02017 10029	FSK 200/1000	(AB)
F06	5-12	1210	5913	Mon	Russian diplo/intel. 11100 09993 16548 05068 02529	FSK 200/1000	(AB)
F06	5-12	1220	7992	Mon	Russian diplo/intel. 11100 09993 16548 05068 02529	FSK 200/1000	(AB)
F06	5-12	1230	10687	Mon	Russian diplo/intel. 11100 09993 16548 05068 02529	FSK 200/1000	(AB)
F06	6-12	0030	10225	Tue	Russian diplo/intel. 11166 60070 85692 06001 00049 00000 00000 00000 00000	FSK 200/10000	(AB)
F06	6-12	0040	9137	Tue	Russian diplo/intel. 11166 60070 85692 06001 00049 00000 00000 00000 00000	FSK 200/10000	(AB)
F06	6-12	0050	8081	Tue	Russian diplo/intel. 11166 60070 85692 06001 00049 00000 00000 00000 00000	FSK 200/10000	(AB)
F06	6-12	0750	14444	Tue	Russian diplo/intel. 11100 00000 23456 05031 03529 and 11100 00000 35784 05032 03529	FSK 200/1000	(AB)
F06	6-12	0840	14979	Tue	Russian diplo/intel. 11100 00000 23456 05031 03529 and 11100 00000 35784 05032 03529	FSK 200/1000	(AB)
F06	6-12	0850	12170	Tue	Russian diplo/intel. 11100 00000 23456 05031 03529 and 11100 00000 35784 05032 03529	FSK 200/1000	(AB)
F06	6-12	0900	9279	Tue	Russian diplo/intel. 11100 00000 23456 05031 03529 and 11100 00000 35784 05032 03529	FSK 200/1000	(AB)
F06	6-12	0920	16280	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	6-12	0930	14451	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	6-12	0940	12114	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	6-12	1000	15940	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	6-12	1010	13491	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	6-12	1020	11083	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	6-12	1120	14842	Tue	Russian diplo/intel. File 44433 (binary contents)	FSK 200/1000	(AB)
F06	6-12	1130	12155	Tue	Russian diplo/intel. File 44433 (binary contents)	FSK 200/1000	(AB)
F06	6-12	1140	9155	Tue	Russian diplo/intel. File 44433 (binary contents)	FSK 200/1000	(AB)
F06	6-12	1650	9313	Tue	Russian diplo/intel. 11166 10053 54879 06075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-12	1700	7828	Tue	Russian diplo/intel. 11166 10053 54879 06075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-12	1710	6783	Tue	Russian diplo/intel. 11166 10053 54879 06075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-12	0750	14444	Wed	Russian diplo/intel. 11100 00000 67541 06047 03529 and 11100 00000 52781 06048 03529	FSK 200/1000	(AB)
F06	7-12	0920	16280	Wed	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	7-12	0930	14451	Wed	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	7-12	0940	12114	Wed	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	7-12	1000	15940	Wed	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	7-12	1010	13491	Wed	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	7-12	1020	11083	Wed	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	7-12	1120	14842	Wed	Russian diplo/intel. File 44449 (binary contents)	FSK 200/1000	(AB)
F06	7-12	1130	12155	Wed	Russian diplo/intel. File 44449 (binary contents)	FSK 200/1000	(AB)
F06	7-12	1140	9155	Wed	Russian diplo/intel. File 44449 (binary contents)	FSK 200/1000	(AB)
F06	8-12	0740	10971	Thu	Russian diplo/intel. File 44453 (binary contents)	FSK 200/1000	(AB)
F06	8-12	0750	14444	Thu	Russian diplo/intel. File 44453 (binary contents)	FSK 200/1000	(AB)

F06	8-12	0840	14979	Thu	Russian diplo/intel. File 44453 (binary contents)	FSK 200/1000	(AB)
F06	8-12	0850	12170	Thu	Russian diplo/intel. File 44453 (binary contents)	FSK 200/1000	(AB)
F06	8-12	0900	9279	Thu	Russian diplo/intel. File 44453 (binary contents)	FSK 200/1000	(AB)
F06	8-12	0920	16280	Thu	Russian diplo/intel. File 44451 (binary contents)	FSK 200/1000	(AB)
F06	8-12	0930	14451	Thu	Russian diplo/intel. File 44451 (binary contents)	FSK 200/1000	(AB)
F06	8-12	0940	12114	Thu	Russian diplo/intel. File 44451 (binary contents)	FSK 200/1000	(AB)
F06	8-12	1000	15940	Thu	Russian diplo/intel. 11100 00000 32487 07052 07229	FSK 200/1000	(AB)
F06	8-12	1010	13491	Thu	Russian diplo/intel. 11100 00000 32487 07052 07229	FSK 200/1000	(AB)
F06	8-12	1020	11083	Thu	Russian diplo/intel. 11100 00000 32487 07052 07229	FSK 200/1000	(AB)
F06	8-12	1040	15693	Thu	Russian diplo/intel. 11100 00000 95134 07054 10029	FSK 200/1000	(AB)
F06	8-12	1050	12170	Thu	Russian diplo/intel. 11100 00000 95134 07054 10029	FSK 200/1000	(AB)
F06	8-12	1100	9372	Thu	Russian diplo/intel. 11100 00000 95134 07054 10029	FSK 200/1000	(AB)
F06	8-12	1120	14842	Thu	Russian diplo/intel. 11100 00000 95134 07054 10029	FSK 200/1000	(AB)
F06	8-12	1130	12155	Thu	Russian diplo/intel. 11100 00000 95134 07054 10029	FSK 200/1000	(AB)
F06	8-12	1140	9155	Thu	Russian diplo/intel. 11100 00000 95134 07054 10029	FSK 200/1000	(AB)
F06	8-12	1620	4755	Thu	Russian diplo/intel. 11100 00000 64597 07055 03029 and 11100 00000 25874 07056 03029	FSK 200/1000	(PY)
F06	8-12	1700	4757	Thu	Russian diplo/intel. 11100 00000 64597 07055 03029 and 11100 00000 25874 07056 03029	FSK 200/1000	(PY)
F06	8-12	1710	4467	Thu	Russian diplo/intel. 11100 00000 64597 07055 03029 and 11100 00000 25874 07056 03029	FSK 200/1000	(PY)
F06	8-12	1720	3850	Thu	Russian diplo/intel. 11100 00000 64597 07055 03029 and 11100 00000 25874 07056 03029	FSK 200/1000	(OH8EFI/Pof)
F06	9-12	0540	5811	Fri	Russian diplo/intel. 11100 00000 35782 08057 05029	FSK 200/1000	(PY)
F06	9-12	0540	5811	Fri	Russian diplo/intel. 11100 00000 35782 08057 05029	FSK 200/1000	(PY)
F06	9-12	0550	8035	Fri	Russian diplo/intel. 11100 00000 35782 08057 05029	FSK 200/1000	(PY)
F06	9-12	0550	8035	Fri	Russian diplo/intel. 11100 00000 35782 08057 05029	FSK 200/1000	(PY)
F06	9-12	0600	10835	Fri	Russian diplo/intel. 11100 00000 35782 08057 05029	FSK 200/1000	(PY)
F06	9-12	0600	10835	Fri	Russian diplo/intel. 11100 00000 35782 08057 05029	FSK 200/1000	(PY)
F06	9-12	0740	10971	Fri	Russian diplo/intel. 11100 00000 74192 08060 07129	FSK 200/1000	(AB)
F06	9-12	0750	14444	Fri	Russian diplo/intel. 11100 00000 74192 08060 07129	FSK 200/1000	(AB)
F06	9-12	0840	14979	Fri	Russian diplo/intel. 11100 00000 74192 08060 07129	FSK 200/1000	(AB)
F06	9-12	0850	12170	Fri	Russian diplo/intel. 11100 00000 74192 08060 07129	FSK 200/1000	(AB)
F06	9-12	0900	9279	Fri	Russian diplo/intel. 11100 00000 74192 08060 07129	FSK 200/1000	(AB)
F06	9-12	0920	16280	Fri	Russian diplo/intel. 11100 00000 35782 08057 05029	FSK 200/1000	(AB/EW)
F06	9-12	0930	14451	Fri	Russian diplo/intel. 11100 00000 35782 08057 05029	FSK 200/1000	(AB)
F06	9-12	0940	12114	Fri	Russian diplo/intel. 11100 00000 35782 08057 05029	FSK 200/1000	(AB)
F06	9-12	1000	15940	Fri	Russian diplo/intel. 11100 00000 31247 08058 03129 and 11100 00000 59638 08059 03129	FSK 200/1000	(AB)
F06	9-12	1010	13491	Fri	Russian diplo/intel. 11100 00000 31247 08058 03129 and 11100 00000 59638 08059 03129	FSK 200/1000	(AB)

F06	9-12	1020	11083	Fri	Russian diplo/intel. 11100 00000 31247 08058 03129 and 11100 00000 59638 08059 03129	FSK 200/1000	(AB)
F06	9-12	1040	15693	Fri	Russian diplo/intel. 11100 00000 57914 08061 10029	FSK 200/1000	(AB)
F06	9-12	1050	12170	Fri	Russian diplo/intel. 11100 00000 57914 08061 10029	FSK 200/1000	(AB)
F06	9-12	1100	9372	Fri	Russian diplo/intel. 11100 00000 57914 08061 10029	FSK 200/1000	(AB)
F06	9-12	1120	14842	Fri	Russian diplo/intel. 11100 00000 57914 08061 10029	FSK 200/1000	(AB)
F06	9-12	1130	12155	Fri	Russian diplo/intel. 11100 00000 57914 08061 10029	FSK 200/1000	(AB)
F06	9-12	1140	9155	Fri	Russian diplo/intel. 11100 00000 57914 08061 10029	FSK 200/1000	(AB)
F06	9-12	1610	5306	Fri	Russian diplo/intel. 11100 00000 26317 08062 03029	FSK 200/1000	(AB)
F06	9-12	1620	4755	Fri	Russian diplo/intel. 11100 00000 26317 08062 03029	FSK 200/1000	(AB)
F06	9-12	1630	3874	Fri	Russian diplo/intel. 11100 00000 26317 08062 03029	FSK 200/1000	(AB)
F06	9-12	1700	4757	Fri	Russian diplo/intel. 11100 00000 26317 08062 03029	FSK 200/1000	(AB)
F06	9-12	1710	4467	Fri	Russian diplo/intel. 11100 00000 26317 08062 03029	FSK 200/1000	(AB)
F06	9-12	1720	3850	Fri	Russian diplo/intel. 11100 00000 26317 08062 03029	FSK 200/1000	(AB)
F06	10-12	0740	10971	Sat	Russian diplo/intel. 11100 00000 73654 09066 03529 and 11100 00000 96325 09067 03529	FSK 200/1000	(AB)
F06	10-12	0750	14444	Sat	Russian diplo/intel. 11100 00000 73654 09066 03529 and 11100 00000 96325 09067 03529	FSK 200/1000	(AB)
F06	10-12	0840	14979	Sat	Russian diplo/intel. 11100 00000 73654 09066 03529 and 11100 00000 96325 09067 03529	FSK 200/1000	(AB)
F06	10-12	0850	12170	Sat	Russian diplo/intel. 11100 00000 73654 09066 03529 and 11100 00000 96325 09067 03529	FSK 200/1000	(AB)
F06	10-12	0900	9279	Sat	Russian diplo/intel. 11100 00000 73654 09066 03529 and 11100 00000 96325 09067 03529	FSK 200/1000	(AB)
F06	10-12	1000	15940	Sat	Russian diplo/intel. 11100 00000 28759 09064 03029 and 11100 00000 65478 09065 03029	FSK 200/1000	(AB)
F06	10-12	1010	13491	Sat	Russian diplo/intel. 11100 00000 28759 09064 03029 and 11100 00000 65478 09065 03029	FSK 200/1000	(AB)
F06	10-12	1020	11083	Sat	Russian diplo/intel. 11100 00000 28759 09064 03029 and 11100 00000 65478 09065 03029	FSK 200/1000	(AB)
F06	10-12	1040	15693	Sat	Russian diplo/intel. 11100 00000 85214 09068 10029	FSK 200/1000	(AB)
F06	10-12	1050	12170	Sat	Russian diplo/intel. 11100 00000 85214 09068 10029	FSK 200/1000	(AB)
F06	10-12	1100	9372	Sat	Russian diplo/intel. 11100 00000 85214 09068 10029	FSK 200/1000	(AB)
F06	10-12	1120	14842	Sat	Russian diplo/intel. 11100 00000 85214 09068 10029	FSK 200/1000	(AB)
F06	10-12	1130	12155	Sat	Russian diplo/intel. 11100 00000 85214 09068 10029	FSK 200/1000	(AB)
F06	10-12	1140	9155	Sat	Russian diplo/intel. 11100 00000 85214 09068 10029	FSK 200/1000	(AB)
F06	11-12	0740	10971	Sun	Russian diplo/intel. 11100 00000 84127 09071 03529 and 11100 00000 59412 09072 03529	FSK 200/1000	(AB)
F06	11-12	0750	14444	Sun	Russian diplo/intel. 11100 00000 84127 09071 03529 and 11100 00000 59412 09072 03529	FSK 200/1000	(AB)
F06	11-12	0840	14979	Sun	Russian diplo/intel. 11100 00000 84127 09071 03529 and 11100 00000 59412 09072 03529	FSK 200/1000	(AB)

F06	11-12	0850	12170	Sun	Russian diplo/intel. 11100 00000 84127 09071 03529 and 11100 00000 59412 09072 03529	FSK 200/1000	(AB)
F06	11-12	0900	9279	Sun	Russian diplo/intel. 11100 00000 84127 09071 03529 and 11100 00000 59412 09072 03529	FSK 200/1000	(AB)
F06	11-12	1000	15940	Sun	Russian diplo/intel. 11100 00000 32654 09069 03029 and 11100 00000 21547 09070 03029	FSK 200/1000	(AB)
F06	11-12	1010	13491	Sun	Russian diplo/intel. 11100 00000 32654 09069 03029 and 11100 00000 21547 09070 03029	FSK 200/1000	(AB)
F06	11-12	1020	11083	Sun	Russian diplo/intel. 11100 00000 32654 09069 03029 and 11100 00000 21547 09070 03029	FSK 200/1000	(AB)
F06	11-12	1040	15693	Sun	Russian diplo/intel. 11100 00000 96351 09073 10029	FSK 200/1000	(AB)
F06	11-12	1050	12170	Sun	Russian diplo/intel. 11100 00000 96351 09073 10029	FSK 200/1000	(AB)
F06	11-12	1100	9372	Sun	Russian diplo/intel. 11100 00000 96351 09073 10029	FSK 200/1000	(AB)
F06	11-12	1120	14842	Sun	Russian diplo/intel. 11100 00000 96351 09073 10029	FSK 200/1000	(AB)
F06	11-12	1130	12155	Sun	Russian diplo/intel. 11100 00000 96351 09073 10029	FSK 200/1000	(AB)
F06	11-12	1140	9155	Sun	Russian diplo/intel. 11100 00000 96351 09073 10029	FSK 200/1000	(AB)
F06	11-12	1530	9416	Sun	Russian diplo/intel. 11166 10053 75319 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11-12	1540	7836	Sun	Russian diplo/intel. 11166 10053 75319 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11-12	1550	6785	Sun	Russian diplo/intel. 11166 10053 75319 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12-12	0630	10547	Mon	Russian diplo/intel. 11100 00000 14632 09076 03529 and 11100 00000 17269 09077 03529	FSK 200/1000	(AB)
F06	12-12	0640	13948	Mon	Russian diplo/intel. 11100 00000 14632 09076 03529 and 11100 00000 17269 09077 03529	FSK 200/1000	(AB)
F06	12-12	0730	8037	Mon	Russian diplo/intel. 11100 00000 51324 09078 07129	FSK 200/1000	(AB)
F06	12-12	0740	10971	Mon	Russian diplo/intel. 11100 00000 51324 09078 07129	FSK 200/1000	(AB)
F06	12-12	0750	14444	Mon	Russian diplo/intel. 11100 00000 51324 09078 07129	FSK 200/1000	(AB)
F06	12-12	0840	14979	Mon	Russian diplo/intel. 11100 00000 51324 09078 07129	FSK 200/1000	(AB)
F06	12-12	0850	12170	Mon	Russian diplo/intel. 11100 00000 51324 09078 07129	FSK 200/1000	(AB)
F06	12-12	0900	9279	Mon	Russian diplo/intel. 11100 00000 51324 09078 07129	FSK 200/1000	(AB)
F06	12-12	0920	16280	Mon	Russian diplo/intel. 11100 00000 82136 09074 03359 and 11100 00000 15384 09075 03359	FSK 200/1000	(AB)
F06	12-12	0930	14451	Mon	Russian diplo/intel. 11100 00000 82136 09074 03359 and 11100 00000 15384 09075 03359	FSK 200/1000	(AB)
F06	12-12	0940	12114	Mon	Russian diplo/intel. 11100 00000 82136 09074 03359 and 11100 00000 15384 09075 03359	FSK 200/1000	(AB)
F06	12-12	1000	15940	Mon	Russian diplo/intel. 11100 00000 14632 09076 03529 and 11100 00000 17269 09077 03529	FSK 200/1000	(AB)
F06	12-12	1020	11083	Mon	Russian diplo/intel. 11100 00000 14632 09076 03529 and 11100 00000 17269 09077 03529	FSK 200/1000	(AB)
F06	12-12	1030	13491	Mon	Russian diplo/intel. 11100 00000 14632 09076 03529 and 11100 00000 17269 09077 03529	FSK 200/1000	(AB)
F06	12-12	1040	15693	Mon	Russian diplo/intel. 11100 00000 13527 09079 10029	FSK 200/1000	(AB)

F06	12-12	1050	12170	Mon	Russian diplo/intel. 11100 00000 13527 09079 10029	FSK 200/1000	(AB)
F06	12-12	1100	9372	Mon	Russian diplo/intel. 11100 00000 13527 09079 10029	FSK 200/1000	(AB)
F06	12-12	1120	14842	Mon	Russian diplo/intel. 11100 00000 13527 09079 10029	FSK 200/1000	(AB/EW)
F06	12-12	1130	12155	Mon	Russian diplo/intel. 11100 00000 13527 09079 10029	FSK 200/1000	(AB)
F06	12-12	1140	9155	Mon	Russian diplo/intel. 11100 00000 13527 09079 10029	FSK 200/1000	(AB)
F06	12-12	1610	5306	Mon	Russian diplo/intel. File 44480 (binary contents)	FSK 200/1000	(AB)
F06	12-12	1620	4755	Mon	Russian diplo/intel. File 44480 (binary contents)	FSK 200/1000	(AB)
F06	12-12	1630	3874	Mon	Russian diplo/intel. File 44480 (binary contents)	FSK 200/1000	(AB)
F06	12-12	1700	4757	Mon	Russian diplo/intel. File 44480 (binary contents)	FSK 200/1000	(AB)
F06	12-12	1710	4467	Mon	Russian diplo/intel. File 44480 (binary contents)	FSK 200/1000	(AB)
F06	12-12	1720	3850	Mon	Russian diplo/intel. File 44480 (binary contents)	FSK 200/1000	(AB)
F06	13-12	0030	10225	Tue	Russian diplo/intel. 11166 60070 54213 13001 00049 00000 00000 00000 00000	FSK 200/10000	(AB)
F06	13-12	0040	9137	Tue	Russian diplo/intel. 11166 60070 54213 13001 00049 00000 00000 00000 00000	FSK 200/10000	(AB)
F06	13-12	0050	8081	Tue	Russian diplo/intel. 11166 60070 54213 13001 00049 00000 00000 00000 00000	FSK 200/10000	(AB)
F06	13-12	0540	5811	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	13-12	0550	8035	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	13-12	0600	10835	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	13-12	0620	7643	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	13-12	0630	10547	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	13-12	0640	13948	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	13-12	0730	8037	Tue	Russian diplo/intel. 11100 00000 23456 12093 03529 and 11100 00000 35784 12094 03529	FSK 200/1000	(AB)
F06	13-12	0740	10971	Tue	Russian diplo/intel. 11100 00000 23456 12093 03529 and 11100 00000 35784 12094 03529	FSK 200/1000	(AB)
F06	13-12	0750	14444	Tue	Russian diplo/intel. 11100 00000 23456 12093 03529 and 11100 00000 35784 12094 03529	FSK 200/1000	(AB)
F06	13-12	0840	14979	Tue	Russian diplo/intel. 11100 00000 23456 12093 03529 and 11100 00000 35784 12094 03529	FSK 200/1000	(AB)
F06	13-12	0850	12170	Tue	Russian diplo/intel. 11100 00000 23456 12093 03529 and 11100 00000 35784 12094 03529	FSK 200/1000	(AB)
F06	13-12	0900	9279	Tue	Russian diplo/intel. 11100 00000 23456 12093 03529 and 11100 00000 35784 12094 03529	FSK 200/1000	(AB)
F06	13-12	0920	16280	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	13-12	0930	14451	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	13-12	0940	12114	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	13-12	1000	15940	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	13-12	1010	13491	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	13-12	1020	11083	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	13-12	1120	14842	Tue	Russian diplo/intel. File 44495 (binary contents)	FSK 200/1000	(AB)
F06	13-12	1130	12155	Tue	Russian diplo/intel. File 44495 (binary contents)	FSK 200/1000	(AB)
F06	13-12	1140	9155	Tue	Russian diplo/intel. File 44495 (binary contents)	FSK 200/1000	(AB)
F06	13-12	1240	8078	Tue	Russian diplo/intel. 11166 30154 15794 13581 00049 00000 00000 00000 00000	FSK 200/1000	(PY)

F06	13-12	1610	5306	Tue	Russian diplo/intel. 11100 00000 23456 12096 04129	FSK 200/1000	(AB)
F06	13-12	1620	4755	Tue	Russian diplo/intel. 11100 00000 23456 12096 04129	FSK 200/1000	(AB)
F06	13-12	1630	3874	Tue	Russian diplo/intel. 11100 00000 23456 12096 04129	FSK 200/1000	(AB)
F06	13-12	1650	9313	Tue	Russian diplo/intel. 11166 10053 12586 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13-12	1700	4757	Tue	Russian diplo/intel. 11100 00000 23456 12096 04129	FSK 200/1000	(AB/MPJ)
F06	13-12	1700	7828	Tue	Russian diplo/intel. 11166 10053 12586 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13-12	1710	4467	Tue	Russian diplo/intel. 11100 00000 23456 12096 04129	FSK 200/1000	(AB/MPJ)
F06	13-12	1710	6783	Tue	Russian diplo/intel. 11166 10053 12586 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13-12	1720	3850	Tue	Russian diplo/intel. 11100 00000 23456 12096 04129	FSK 200/1000	(AB/MPJ)
F06	14-12	0540	5811	Wed	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	14-12	0550	8035	Wed	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	14-12	0600	10835	Wed	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	14-12	0600	20157	Wed	Russian diplo/intel. 11166 40122 94751 10033 03089 and 11166 40122 64587 10034 02529	FSK 200/1000	(AB-RUS)
F06	14-12	0610	18241	Wed	Russian diplo/intel. 11166 40122 94751 10033 03089 and 11166 40122 64587 10034 02529	FSK 200/1000	(AB-RUS)
F06	14-12	0620	7643	Wed	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	14-12	0620	16204	Wed	Russian diplo/intel. 11166 40122 94751 10033 03089 and 11166 40122 64587 10034 02529	FSK 200/1000	(AB-RUS)
F06	14-12	0630	10547	Wed	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	14-12	0640	13948	Wed	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	14-12	0730	8037	Wed	Russian diplo/intel. 11100 00000 78546 13010 03529 and 11100 00000 92347 13011 03529	FSK 200/1000	(AB)
F06	14-12	0740	10971	Wed	Russian diplo/intel. 11100 00000 78546 13010 03529 and 11100 00000 92347 13011 03529	FSK 200/1000	(AB)
F06	14-12	0750	14444	Wed	Russian diplo/intel. 11100 00000 78546 13010 03529 and 11100 00000 92347 13011 03529	FSK 200/1000	(AB)
F06	14-12	0840	14979	Wed	Russian diplo/intel. 11100 00000 78546 13010 03529 and 11100 00000 92347 13011 03529	FSK 200/1000	(AB)
F06	14-12	0850	12170	Wed	Russian diplo/intel. 11100 00000 78546 13010 03529 and 11100 00000 92347 13011 03529	FSK 200/1000	(AB)
F06	14-12	0900	9279	Wed	Russian diplo/intel. 11100 00000 78546 13010 03529 and 11100 00000 92347 13011 03529	FSK 200/1000	(AB)
F06	14-12	0920	16280	Wed	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	14-12	0930	14451	Wed	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	14-12	0940	12114	Wed	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	14-12	1000	15940	Wed	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	14-12	1010	13491	Wed	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	14-12	1015	25523	Wed	Russian diplo/intel. 11166 40023 56531 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-12	1020	11083	Wed	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	14-12	1030	20989	Wed	Russian diplo/intel. 11166 40023 56531 14001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	14-12	1045	18751	Wed	Russian diplo/intel. 11166 40023 56531 14001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)

F06	14-12	1120	14842	Wed	Russian diplo/intel. File 44412 (binary contents)	FSK 200/1000	(AB)
F06	14-12	1130	12155	Wed	Russian diplo/intel. File 44412 (binary contents)	FSK 200/1000	(AB)
F06	14-12	1140	9155	Wed	Russian diplo/intel. File 44412 (binary contents)	FSK 200/1000	(AB)
F06	14-12	1610	5306	Wed	Russian diplo/intel. 11100 00000 78641 13013 04129	FSK 200/1000	(AB)
F06	14-12	1620	4755	Wed	Russian diplo/intel. 11100 00000 78641 13013 04129	FSK 200/1000	(AB)
F06	14-12	1630	3874	Wed	Russian diplo/intel. 11100 00000 78641 13013 04129	FSK 200/1000	(AB)
F06	14-12	1700	4757	Wed	Russian diplo/intel. 11100 00000 78641 13013 04129	FSK 200/1000	(AB)
F06	14-12	1710	4467	Wed	Russian diplo/intel. 11100 00000 78641 13013 04129	FSK 200/1000	(AB)
F06	14-12	1720	3850	Wed	Russian diplo/intel. 11100 00000 78641 13013 04129	FSK 200/1000	(AB)
F06	15-12	0600	20157	Thu	Russian diplo/intel. 11166 40122 94751 10033 03089 and 11166 40122 64587 10034 02529	FSK 200/1000	(AB-RUS)
F06	15-12	0610	18241	Thu	Russian diplo/intel. 11166 40122 94751 10033 03089 and 11166 40122 64587 10034 02529	FSK 200/1000	(AB-RUS)
F06	15-12	0620	16204	Thu	Russian diplo/intel. 11166 40122 94751 10033 03089 and 11166 40122 64587 10034 02529	FSK 200/1000	(AB-RUS)
F06	16-12	0700	11046	Fri	Russian diplo/intel. 11100 70202 13456 16077 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-12	0710	9065	Fri	Russian diplo/intel. 11100 70202 13456 16077 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-12	0720	7479	Fri	Russian diplo/intel. 11100 70202 13456 16077 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-12	1400	7482	Sat	Russian diplo/intel. 11100 00000 12548 16055 01779	FSK 200/1000	(PY)
F06	17-12	1400	7482	Sat	Russian diplo/intel. 11100 00000 12548 16055 01779	FSK 200/1000	(PY)
F06	17-12	1410	5092	Sat	Russian diplo/intel. 11100 00000 12548 16055 01779	FSK 200/1000	(PY)
F06	17-12	1410	5092	Sat	Russian diplo/intel. 11100 00000 12548 16055 01779	FSK 200/1000	(PY)
F06	17-12	1420	4043	Sat	Russian diplo/intel. 11100 00000 12548 16055 01779	FSK 200/1000	(OH8EFI)
F06	17-12	1420	4043	Sat	Russian diplo/intel. 11100 00000 12548 16055 01779	FSK 200/1000	(OH8EFI)
F06	18-12	1030	9481	Sun	Russian diplo/intel.	FSK 200/1000	(FD)
F06	18-12	1040	7992	Sun	Russian diplo/intel.	FSK 200/1000	(FD)
F06	18-12	1530	9416	Sun	Russian diplo/intel. 11166 10053 47032 18123 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	18-12	1540	7836	Sun	Russian diplo/intel. 11166 10053 47032 18123 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	18-12	1550	6785	Sun	Russian diplo/intel. 11166 10053 47032 18123 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19-12	0500	7379	Mon	Russian diplo/intel. 11166 70059 78963 19123 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-12	0510	6774	Mon	Russian diplo/intel. 11166 70059 78963 19123 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-12	0520	5463	Mon	Russian diplo/intel. 11166 70059 78963 19123 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-12	0700	11046	Mon	Russian diplo/intel. 11166 70202 42167 16076 02399	FSK 200/1000	(AB)
F06	19-12	0710	9065	Mon	Russian diplo/intel. 11166 70202 42167 16076 02399	FSK 200/1000	(AB)
F06	19-12	0720	7479	Mon	Russian diplo/intel. 11166 70202 42167 16076 02399	FSK 200/1000	(AB)
F06	19-12	1200	9178	Mon	Russian diplo/intel. 11166 70202 42167 16076 02399	FSK 200/1000	(AB/MPJ)
F06	19-12	1210	7624	Mon	Russian diplo/intel. 11166 70202 42167 16076 02399	FSK 200/1000	(AB/MPJ)
F06	19-12	1220	5789	Mon	Russian diplo/intel. 11166 70202 42167 16076 02399	FSK 200/1000	(AB/MPJ)
F06	20-12	0030	10225	Tue	Russian diplo/intel.	FSK 200/10000	(AB)
F06	20-12	0040	9137	Tue	Russian diplo/intel.	FSK 200/10000	(AB)
F06	20-12	0050	8081	Tue	Russian diplo/intel.	FSK 200/10000	(AB)

F06	20-12	0700	11046	Tue	Russian diplo/intel. 11166 70202 97325 19077 02039 and 11166 70202 16487 19078 01779	FSK 200/1000	(AB)
F06	20-12	0710	9065	Tue	Russian diplo/intel. 11166 70202 97325 19077 02039 and 11166 70202 16487 19078 01779	FSK 200/1000	(AB)
F06	20-12	0720	7479	Tue	Russian diplo/intel. 11166 70202 97325 19077 02039 and 11166 70202 16487 19078 01779	FSK 200/1000	(AB)
F06	20-12	1200	9178	Tue	Russian diplo/intel. 11166 70202 97325 19077 02039 and 11166 70202 16487 19078 01779	FSK 200/1000	(AB)
F06	20-12	1210	7624	Tue	Russian diplo/intel. 11166 70202 97325 19077 02039 and 11166 70202 16487 19078 01779	FSK 200/1000	(AB)
F06	20-12	1220	5789	Tue	Russian diplo/intel. 11166 70202 97325 19077 02039 and 11166 70202 16487 19078 01779	FSK 200/1000	(AB)
F06	20-12	1240	8078	Tue	Russian diplo/intel. 11166 30154 15987 20051 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	20-12	1250	6873	Tue	Russian diplo/intel. 11166 30154 15987 20051 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	20-12	1650	9313	Tue	Russian diplo/intel. 11166 10053 78923 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20-12	1700	7828	Tue	Russian diplo/intel. 11166 10053 78923 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20-12	1710	6783	Tue	Russian diplo/intel. 11166 10053 78923 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	21-12	0600	20157	Wed	Russian diplo/intel. 11166 40122 14528 21087 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	21-12	0610	18241	Wed	Russian diplo/intel. 11166 40122 14528 21087 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	21-12	0620	16204	Wed	Russian diplo/intel. 11166 40122 14528 21087 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	21-12	0700	11046	Wed	Russian diplo/intel. 11166 70202 32157 20079 02539	FSK 200/1000	(AB)
F06	21-12	0710	9065	Wed	Russian diplo/intel. 11166 70202 32157 20079 02539	FSK 200/1000	(AB)
F06	21-12	0720	7479	Wed	Russian diplo/intel. 11166 70202 32157 20079 02539	FSK 200/1000	(AB)
F06	21-12	1200	9178	Wed	Russian diplo/intel. 11166 70202 32157 20079 02539	FSK 200/1000	(AB)
F06	21-12	1210	7624	Wed	Russian diplo/intel. 11166 70202 32157 20079 02539	FSK 200/1000	(AB)
F06	21-12	1220	5789	Wed	Russian diplo/intel. 11166 70202 32157 20079 02539	FSK 200/1000	(AB)
F06	22-12	0700	11046	Thu	Russian diplo/intel. 11166 70202 93254 21080 01959 and 11166 70202 19574 21081 01779	FSK 200/1000	(AB)
F06	22-12	0710	9065	Thu	Russian diplo/intel. 11166 70202 93254 21080 01959 and 11166 70202 19574 21081 01779	FSK 200/1000	(AB)
F06	22-12	0720	7479	Thu	Russian diplo/intel. 11166 70202 93254 21080 01959 and 11166 70202 19574 21081 01779	FSK 200/1000	(AB)
F06	22-12	1200	9178	Thu	Russian diplo/intel. 11166 70202 93254 21080 01959 and 11166 70202 19574 21081 01779	FSK 200/1000	(AB/MPJ)
F06	22-12	1210	7624	Thu	Russian diplo/intel. 11166 70202 93254 21080 01959 and 11166 70202 19574 21081 01779	FSK 200/1000	(AB/MPJ)
F06	22-12	1220	5789	Thu	Russian diplo/intel. 11166 70202 93254 21080 01959 and 11166 70202 19574 21081 01779	FSK 200/1000	(AB/MPJ)
F06	23-12	0700	11046	Fri	Russian diplo/intel. 11166 70202 62147 22095 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-12	0710	9065	Fri	Russian diplo/intel. 11166 70202 62147 22095 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-12	0720	7479	Fri	Russian diplo/intel. 11166 70202 62147 22095 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-12	1400	7482	Sat	Russian diplo/intel.	FSK 200/1000	(FD)

F06	24-12	1410	5092	Sat	Russian diplo/intel.	FSK 200/1000	(FD)
F06	24-12	1420	4043	Sat	Russian diplo/intel.	FSK 200/1000	(FD)
F06	25-12	1030	9481	Sun	Russian diplo/intel.	FSK 200/1000	(FD)
F06	25-12	1040	7992	Sun	Russian diplo/intel.	FSK 200/1000	(FD)
F06	25-12	1530	9416	Sun	Russian diplo/intel. 11166 10053 85264 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-12	1540	7836	Sun	Russian diplo/intel. 11166 10053 85264 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-12	1550	6785	Sun	Russian diplo/intel. 11166 10053 85264 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-12	0700	11046	Mon	Russian diplo/intel. 11166 70202 69851 23082 02599	FSK 200/1000	(AB)
F06	26-12	0710	9065	Mon	Russian diplo/intel. 11166 70202 69851 23082 02599	FSK 200/1000	(AB)
F06	26-12	0720	7479	Mon	Russian diplo/intel. 11166 70202 69851 23082 02599	FSK 200/1000	(AB)
F06	26-12	1200	9178	Mon	Russian diplo/intel. 11166 70202 69851 23082 02599	FSK 200/1000	(AB)
F06	26-12	1210	7624	Mon	Russian diplo/intel. 11166 70202 69851 23082 02599	FSK 200/1000	(AB)
F06	26-12	1220	5789	Mon	Russian diplo/intel. 11166 70202 69851 23082 02599	FSK 200/1000	(AB)
F06	27-12	0700	11046	Tue	Russian diplo/intel. 11166 70202 24685 26083 01739 and 11166 70202 64513 26084 02079	FSK 200/1000	(AB)
F06	27-12	0710	9065	Tue	Russian diplo/intel. 11166 70202 24685 26083 01739 and 11166 70202 64513 26084 02079	FSK 200/1000	(AB)
F06	27-12	0720	7479	Tue	Russian diplo/intel. 11166 70202 24685 26083 01739 and 11166 70202 64513 26084 02079	FSK 200/1000	(AB)
F06	27-12	1200	9178	Tue	Russian diplo/intel. 11166 70202 24685 26083 01739 and 11166 70202 64513 26084 02079	FSK 200/1000	(AB/MPJ)
F06	27-12	1210	7624	Tue	Russian diplo/intel. 11166 70202 24685 26083 01739 and 11166 70202 64513 26084 02079	FSK 200/1000	(AB/MPJ)
F06	27-12	1220	5789	Tue	Russian diplo/intel. 11166 70202 24685 26083 01739 and 11166 70202 64513 26084 02079	FSK 200/1000	(AB/MPJ)
F06	27-12	1240	8078	Tue	Russian diplo/intel. 11166 30154 24683 27064 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	27-12	1250	6873	Tue	Russian diplo/intel. 11166 30154 24683 27064 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	27-12	1650	9313	Tue	Russian diplo/intel. 11166 10053 75319 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	27-12	1700	7828	Tue	Russian diplo/intel. 11166 10053 75319 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	27-12	1710	6783	Tue	Russian diplo/intel. 11166 10053 75319 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	28-12	0600	20157	Wed	Russian diplo/intel. 11166 40122 12536 24035 03289	FSK 200/1000	(AB-RUS)
F06	28-12	0610	18241	Wed	Russian diplo/intel. 11166 40122 12536 24035 03289	FSK 200/1000	(AB-RUS)
F06	28-12	0620	16204	Wed	Russian diplo/intel. 11166 40122 12536 24035 03289	FSK 200/1000	(AB-RUS)
F06	28-12	0700	11046	Wed	Russian diplo/intel. 11166 70202 79465 27085 02739	FSK 200/1000	(AB)
F06	28-12	0710	9065	Wed	Russian diplo/intel. 11166 70202 79465 27085 02739	FSK 200/1000	(AB)
F06	28-12	0720	7479	Wed	Russian diplo/intel. 11166 70202 79465 27085 02739	FSK 200/1000	(AB)
F06	28-12	1015	25523	Wed	Russian diplo/intel. 11166 40023 54879 28075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL/PY)
F06	28-12	1030	20989	Wed	Russian diplo/intel. 11166 40023 54879 28075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL/PY)
F06	28-12	1045	18751	Wed	Russian diplo/intel. 11166 40023 54879 28075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL/PY)
F06	28-12	1200	9178	Wed	Russian diplo/intel. 11166 70202 79465 27085 02739	FSK 200/1000	(AB/MPJ)
F06	28-12	1210	7624	Wed	Russian diplo/intel. 11166 70202 79465 27085 02739	FSK 200/1000	(AB/MPJ)
F06	28-12	1220	5789	Wed	Russian diplo/intel. 11166 70202 79465 27085 02739	FSK 200/1000	(AB/MPJ)

F06	29-12	0600	20157	Thu	Russian diplo/intel. 11166 40122 12536 24035 03289	FSK 200/1000	(AB-RUS)
F06	29-12	0610	18241	Thu	Russian diplo/intel. 11166 40122 12536 24035 03289	FSK 200/1000	(AB-RUS)
F06	29-12	0620	16204	Thu	Russian diplo/intel. 11166 40122 12536 24035 03289	FSK 200/1000	(AB-RUS)
F06	29-12	0700	11046	Thu	Russian diplo/intel. 11166 70202 95137 28086 01619 and 11166 70202 25847 28087 02119	FSK 200/1000	(AB)
F06	29-12	0710	9065	Thu	Russian diplo/intel. 11166 70202 95137 28086 01619 and 11166 70202 25847 28087 02119	FSK 200/1000	(AB)
F06	29-12	0720	7479	Thu	Russian diplo/intel. 11166 70202 95137 28086 01619 and 11166 70202 25847 28087 02119	FSK 200/1000	(AB)
F06	29-12	1200	9178	Thu	Russian diplo/intel. 11166 70202 95137 28086 01619 and 11166 70202 25847 28087 02119	FSK 200/1000	(AB/EW)
F06	29-12	1210	7624	Thu	Russian diplo/intel. 11166 70202 95137 28086 01619 and 11166 70202 25847 28087 02119	FSK 200/1000	(AB)
F06	29-12	1220	5789	Thu	Russian diplo/intel. 11166 70202 95137 28086 01619 and 11166 70202 25847 28087 02119	FSK 200/1000	(AB)
F06	30-12	0700	11046	Fri	Russian diplo/intel. 11166 70202 45821 30063 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-12	0710	9065	Fri	Russian diplo/intel. 11166 70202 45821 30063 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-12	0720	7479	Fri	Russian diplo/intel. 11166 70202 45821 30063 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-12	1400	7482	Sat	Russian diplo/intel. 11100 00000 61973 30057 02239	FSK 200/1000	(PY)
F06	31-12	1410	5092	Sat	Russian diplo/intel. 11100 00000 61973 30057 02239	FSK 200/1000	(PY)
F06	31-12	1420	4043	Sat	Russian diplo/intel. 11100 00000 61973 30057 02239	FSK 200/1000	(PY)
F06a	1-12	0430	9043	Thu	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	1-12	0440	7546	Thu	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	1-12	0450	6833	Thu	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	1-12	0500	5185	Thu	Russian diplo/intel. File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	1-12	0515	4835	Thu	Russian diplo/intel. File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	1-12	0530	3796	Thu	Russian diplo/intel. File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	1-12	0700	14840	Thu	Russian diplo/intel. File 44412 (binary contents)	FSK 200/1000	(AB)
F06a	1-12	0715	13859	Thu	Russian diplo/intel. File 44412 (binary contents)	FSK 200/1000	(AB)
F06a	1-12	0730	12079	Thu	Russian diplo/intel. File 44412 (binary contents)	FSK 200/1000	(AB)
F06a	1-12	0730	20964	Thu	Russian diplo/intel. File 44434 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	1-12	0740	20187	Thu	Russian diplo/intel. File 44434 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	1-12	0750	18914	Thu	Russian diplo/intel. File 44434 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	2-12	0500	5185	Fri	Russian diplo/intel. File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	2-12	0515	4835	Fri	Russian diplo/intel. File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	2-12	0530	3796	Fri	Russian diplo/intel. File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	3-12	1500	12087	Sat	Russian diplo/intel. File 04448 (binary contents)	FSK 200/1000	(AB)
F06a	3-12	1515	9963	Sat	Russian diplo/intel. File 04448 (binary contents)	FSK 200/1000	(AB)
F06a	3-12	1530	7899	Sat	Russian diplo/intel. File 04448 (binary contents)	FSK 200/1000	(AB)
F06a	4-12	1500	12087	Sun	Russian diplo/intel. File 04448 (binary contents)	FSK 200/1000	(AB)
F06a	4-12	1515	9963	Sun	Russian diplo/intel. File 04448 (binary contents)	FSK 200/1000	(AB)
F06a	4-12	1530	7899	Sun	Russian diplo/intel. File 04448 (binary contents)	FSK 200/1000	(AB)

F06a	24-12	1500	12087	Sat	Russian diplo/intel. File 04451 (binary contents)	FSK 200/1000	(AB)
F06a	24-12	1515	9963	Sat	Russian diplo/intel. File 04451 (binary contents)	FSK 200/1000	(AB)
F06a	24-12	1530	7899	Sat	Russian diplo/intel. File 04451 (binary contents)	FSK 200/1000	(AB)
F06a	25-12	1500	12087	Sun	Russian diplo/intel. File 04451 (binary contents)	FSK 200/1000	(AB)
F06a	25-12	1515	9963	Sun	Russian diplo/intel. File 04451 (binary contents)	FSK 200/1000	(AB)
F06a	25-12	1530	7899	Sun	Russian diplo/intel. File 04451 (binary contents)	FSK 200/1000	(AB)
F06a	29-12	0500	5185	Thu	Russian diplo/intel. Files 44460 and 44461 (binary contents)	FSK 200/1000	(AB)
F06a	29-12	0515	4835	Thu	Russian diplo/intel. Files 44460 and 44461 (binary contents)	FSK 200/1000	(AB)
F06a	29-12	0530	3796	Thu	Russian diplo/intel. Files 44460 and 44461 (binary contents)	FSK 200/1000	(AB)
F06a	30-12	0500	5185	Fri	Russian diplo/intel. Files 44460 and 44461 (binary contents)	FSK 200/1000	(AB)
F06a	30-12	0515	4835	Fri	Russian diplo/intel. Files 44460 and 44461 (binary contents)	FSK 200/1000	(AB)
F06a	30-12	0530	3796	Fri	Russian diplo/intel. Files 44460 and 44461 (binary contents)	FSK 200/1000	(AB)
F06a	31-12	1500	12087	Sat	Russian diplo/intel. File 04452 (binary contents)	FSK 200/1000	(AB)
F06a	31-12	1515	9963	Sat	Russian diplo/intel. File 04452 (binary contents)	FSK 200/1000	(AB)
F06a	31-12	1530	7899	Sat	Russian diplo/intel. File 04452 (binary contents)	FSK 200/1000	(AB)
F07	5-12	1142	10256	Mon	Russian intel. Message with audio stutters at the end	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	0720	10256	Tue	Russian intel. 1000Hz beep then F07 2 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	0720	12153	Tue	Russian intel. not heard	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	0725	11431	Tue	Russian intel. 2 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	0727	12153	Tue	Russian intel. test tone for 10s	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	1154	10256	Tue	Russian intel. 5 blocks, audio stutter at the end	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	1159	11431	Tue	Russian intel. 5 blocks, audio stutter at the end	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	2100	7526	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	2110	7453	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	2120	6993	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	2130	6773	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	2140	5748	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	6-12	2150	5169	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	8-12	2100	7526	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	8-12	2110	7453	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	8-12	2120	6993	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	8-12	2130	6773	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	8-12	2140	5748	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	8-12	2150	5169	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	9-12	1025	9142	Fri	Russian intel. 9 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	9-12	1145	9142	Fri	Russian intel. 5 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	13-12	2100	7526	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	13-12	2110	7453	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	13-12	2120	6993	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	13-12	2130	6773	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	13-12	2140	5748	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	13-12	2150	5169	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)

F07	15-12	2100	7526	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	15-12	2110	7453	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	15-12	2120	6993	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	15-12	2130	6773	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	15-12	2140	5748	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	15-12	2150	5169	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	20-12	2100	7526	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	20-12	2110	7453	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	20-12	2120	6993	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	20-12	2130	6773	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	20-12	2140	5748	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	20-12	2150	5169	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	22-12	2100	7526	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	22-12	2110	7453	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	22-12	2120	6993	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	22-12	2130	6773	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	22-12	2140	5748	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	22-12	2150	5169	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	27-12	2100	7526	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-12	2110	7453	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-12	2120	6993	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-12	2130	6773	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-12	2140	5748	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-12	2150	5169	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-12	2100	7526	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-12	2110	7453	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-12	2120	6993	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-12	2130	6773	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-12	2140	5748	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-12	2150	5169	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
HM01	1-12	1652	11435	Thu	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	1-12	1800	11635	Thu	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	2-12	1630	11435	Fri	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	2-12	1730	11530	Fri	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	3-12	1717	11530	Sat	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA/RR2)
HM01	4-12	1630	11435	Sun	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	5-12	1700	11530	Mon	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	5-12	1800	11635	Mon	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	6-12	1629	11435	Tue	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	6-12	1800	11635	Tue	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	7-12	1800	11635	Wed	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	8-12	1658	11530	Thu	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)

HM01	8-12	1830	11635	Thu	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	9-12	1650	11435	Fri	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	9-12	1700	11530	Fri	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	10-12	1650	11435	Sat	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	10-12	1700	11530	Sat	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	11-12	1725	11530	Sun	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	11-12	1745	11530	Sun	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	12-12	1700	11530	Mon	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	13-12	1629	11435	Tue	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	14-12	1700	11530	Wed	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	14-12	1745	11530	Wed	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	15-12	1647	11435	Thu	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	15-12	1730	11530	Thu	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	16-12	1621	11435	Fri	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	17-12	1658	11530	Sat	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	18-12	1600	11435	Sun	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	18-12	1800	11635	Sun	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	19-12	1629	11435	Mon	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	19-12	1750	11530	Mon	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	20-12	1800	11635	Tue	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	20-12	1830	11635	Tue	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	21-12	1635	11435	Wed	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	22-12	1600	11435	Thu	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	23-12	1615	11435	Fri	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	23-12	1630	11435	Fri	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	24-12	1600	11435	Sat	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	24-12	1630	11435	Sat	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	30-12	1624	11435	Fri	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	30-12	1840	11635	Fri	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	31-12	1606	11435	Sat	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov) Late start	AM/WinDRM	(AB-USA)
HM01	31-12	1640	11435	Sat	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
M01	1-12	1800	5320	Thu	197 729 729 30 30 == 85674 23189 35275 ... 25468 10648 23140 == 30 30 729 729 000	CW	(AB/MPJ)
M01	4-12	0700	5465	Sun	197 942 942 30 30 == 86754 45365 98076 ... 76853 97896 87658 == 942 942 30 30 000	CW	(AB)
M01	6-12	1800	5320	Tue	197 167 167 30 30 == 25348 10674 25637 ... 41562 66181 66441 == 167 167 30 30 000	CW	(AB)
M01	6-12	2000	4490	Tue	197 365 365 30 30 == 19567 24175 47209 ... 16429 41852 01011 == 365 365 30 30 000	CW	(AB)
M01	8-12	1759	5320	Thu	197 203 204 30 30 == 46576 87799 98788 ... 9014232124656747456544 == 204 204 3 30 0..... 0..... 0.....	CW	(AB/MPJ)
M01	8-12	1958	4490	Thu	197 244 244 30 30 == 57656 35454 29890 ... 287 48767 86100919 == 244 244 30 30 0..... 0..... 0.....	CW	(AB)
M01	10-12	1500	5810	Sat	197 713 713 30 30 == 45712 49602 71805 ... 05407 32809 10491 == 713 713 30 30 000	CW	(AB)
M01	11-12	0700	5465	Sun	197 706 706 30 30 == 61708 53209 81372 ... 10307 06831 70955 == 706 706 30 30 000	CW	(AB)
M01	13-12	1800	5320	Tue	197 984 984 30 30 == 93847 17625 09187 ... 89733 76173 16342 == 984 984 30 30 000	CW	(AB/MPJ)

M01	17-12	1500	5810	Sat	197 unreadable	CW	(AB)
M01	18-12	0658	5465	Sun	VVV VVV 197 183 183 30 30 = = 18746 18271 01854 ... 69609 70473 81031 = = 183 183 30 30 000	CW	(AB)
M01	20-12	1800	5320	Tue	197 456 456 30 30 = = 56654 67876 20989 ... 58748 10989 25467 = = 456 456 30 30 000	CW	(AB/MPJ)
M01	22-12	0736	4631	Thu	562 (R3m45s) 145 145 10 10 = = 03611 54205 45240 09854 24561 71248 29351 43385 95148 24561 = = 145 145 10 10 000 000	CW	(AB/VSh)
M01	22-12	1800	5320	Thu	197 (R) 267 267 30 30 27032 01042 46290 ... 88464 09070 27032 = = 267 267 30 30 000	CW	(MPJ)
M01	22-12	2000	4490	Thu	197 909 909 30 30 = = 27032 19562 30892 ... 77174 29051 31093 = = 909 909 30 30 000	CW	(AB)
M01	24-12	1500	5810	Sat	A mess after gr 15. 197 415 415 30 30 = = 57678 13243 09098 ... 49 46523 46319980 198 = = 415 415 30 30 0..... 0..... 0.....	CW	(AB/MPJ)
M01	25-12	0700	5465	Sun	197 503 503 30 30 = = 57678 35465 25436 ... 37678 47656 68799 = = 503 503 30 30 000	CW	(AB)
M01	27-12	1800	5320	Tue	197 027 027 30 30 = = 27032 01042 26082 ... 23072 78320 45176 = = 027 027 30 30 000	CW	(AB/MPJ)
M01	29-12	1800	5320	Thu	197 317 317 30 30 = = 01746 47893 02113 ... 09261 87164 87165 = = 30 30 000	CW	(AB)
M01	29-12	2000	4490	Thu	197 171 171 30 30 = = 91873 47637 98175 ... 98163 = = 171 171 30 30 000 Partly unreadable	CW	(AB)
M01	31-12	1500	5810	Sat	197 607 607 30 30 = = 90561 31787 94506 ... 95702 80371 95604 = = 30 30 607 607 000	CW	(AB)
M01a	13-12	1835	6454	Tue	in progress 111 333 = 473 50 28963 97835 90567 ... 76934 08936 75631 = 473 50 000	CW	(AB)
M12	1-12	0300	14354	Thu	311 311 311 1 624 128 624 128 11348 28844 79585 ...	CW	(PY)
M12	1-12	1110	13386	Thu	725 725 725 1 6278 95 6278 95 08868 09974 45140 ... 83591 61905 34497 000 000	CW	(AB/MPJ)
M12	1-12	1130	12189	Thu	725 725 725 1 6278 95 6278 95 08868 09974 45140 ... 83591 61905 34497 000 000	CW	(AB/MPJ)
M12	1-12	1150	11491	Thu	725 725 725 1 6278 95 6278 95 08868 09974 45140 ... 83591 61905 34497 000 000	CW	(AB/MPJ)
M12	1-12	1400	15909	Thu	969 969 969 000	CW	(AB/MPJ/HFD)
M12	1-12	1420	14609	Thu	969 969 969 000	CW	(AB/MPJ/HFD)
M12	1-12	2300	9134	Thu	457 457 457 000	CW	(AB)
M12	1-12	2320	8134	Thu	457 457 457 000	CW	(AB/RL)
M12	2-12	0030	6832	Fri	851 851 851 000	CW	(AB)
M12	2-12	0050	7532	Fri	851 851 851 000	CW	(AB)
M12	2-12	0900	15842	Fri	812 812 812 000	CW	(AB/HFD)
M12	2-12	0920	16142	Fri	812 812 812 000	CW	(AB/HFD)
M12	2-12	2000	6792	Fri	780 780 780 000	CW	(AB/HFD)
M12	2-12	2020	5892	Fri	780 780 780 000	CW	(AB/HFD)
M12	2-12	2200	5832	Fri	887 887 887 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB/RL)
M12	2-12	2220	6832	Fri	887 887 887 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB/RL)
M12	2-12	2240	7732	Fri	887 887 887 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB/RL)
M12	3-12	2200	5832	Sat	887 887 887 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB)
M12	3-12	2220	6832	Sat	887 887 887 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB)
M12	3-12	2240	7732	Sat	887 887 887 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB)
M12	4-12	0800	16234	Sun	242 242 242 000	CW	(AB/HFD)
M12	4-12	0820	17434	Sun	242 242 242 000	CW	(AB/HFD)
M12	5-12	0010	14947	Mon	941 941 941 1 ...		(HFD)
M12	5-12	0030	13447	Mon	941 941 941 1 ...		(HFD)
M12	5-12	0050	12147	Mon	941 941 941 1 ...		(HFD)
M12	5-12	1230	12205	Mon	973 973 973 1 3676 60 3676 60 96535 53838 45938 ... 75070 05149 57939 000 000	CW	(AB)

M12	5-12	1250	13559	Mon	973 973 973 1 3676 60 3676 60 96535 53838 45938 ... 75070 05149 57939 000 000	CW	(AB)
M12	5-12	1310	14728	Mon	973 973 973 1 3676 60 3676 60 96535 53838 45938 ... 75070 05149 57939 000 000	CW	(AB)
M12	5-12	1400	15909	Mon	969 969 969 1 245 131 245 131 245 24079 73010 87615 ... 35238 99075 66405 000 000	CW	(AB)
M12	5-12	1420	14609	Mon	969 969 969 1 245 131 245 131 245 24079 73010 87615 ... 35238 99075 66405 000 000	CW	(AB)
M12	5-12	1440	13909	Mon	969 969 969 1 245 131 245 131 245 24079 73010 87615 ... 35238 99075 66405 000 000	CW	(AB)
M12	5-12	2300	9134	Mon	457 1 160 113 86626 91090 74905 ... 05702 50522 60937 000 000	CW	(RL)
M12	5-12	2320	8134	Mon	457 1 160 113 86626 91090 74905 ... 05702 50522 60937 000 000	CW	(RL)
M12	5-12	2340	7534	Mon	457 1 160 113 86626 91090 74905 ... 05702 50522 60937 000 000	CW	(RL)
M12	6-12	0300	14354	Tue	311 311 311 1 6002 144 6002 144 86600 07872 03761 ... 63374 77097 46733 000 000	CW	(PY)
M12	6-12	0320	12154	Tue	311 311 311 1 6002 144 6002 144 86600 07872 03761 ... 63374 77097 46733 000 000	CW	(PY)
M12	6-12	0340	11154	Tue	311 311 311 1 6002 144 6002 144 86600 07872 03761 ... 63374 77097 46733 000 000	CW	(PY)
M12	6-12	0900	15842	Tue	812 812 812 000	CW	(AB)
M12	6-12	0920	16142	Tue	812 812 812 000	CW	(AB)
M12	7-12	0800	16234	Wed	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	7-12	0820	17434	Wed	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	7-12	0840	18234	Wed	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	7-12	2000	6792	Wed	780 780 780 1 315 147 315 147 75100 76284 93312 ... 49405 95738 27581 000 000	CW	(AB)
M12	7-12	2020	5892	Wed	780 780 780 1 315 147 315 147 75100 76284 93312 ... 49405 95738 27581 000 000	CW	(AB)
M12	7-12	2040	5092	Wed	780 780 780 1 315 147 315 147 75100 76284 93312 ... 49405 95738 27581 000 000	CW	(AB)
M12	7-12	2330	10329	Wed	133 1 120 92 00421 41423 59210 ... 51612 78284 26944 000 000	CW	(RL)
M12	7-12	2350	9329	Wed	133 1 120 92 00421 41423 59210 ... 51612 78284 26944 000 000	CW	(RL)
M12	8-12	1110	13386	Thu	725 725 725 1 3113 92 3113 92 21909 87571 80465 ... 29271 08916 08561 000 000	CW	(AB)
M12	8-12	1130	12189	Thu	725 725 725 1 3113 92 3113 92 21909 87571 80465 ... 29271 08916 08561 000 000	CW	(AB)
M12	8-12	1150	11491	Thu	725 725 725 1 3113 92 3113 92 21909 87571 80465 ... 29271 08916 08561 000 000	CW	(AB)
M12	8-12	1400	15909	Thu	969 969 969 1 245 131 245 131 245 24079 73010 87615 ... 35238 99075 66405 000 000	CW	(AB/MPJ)
M12	8-12	1420	14609	Thu	969 969 969 1 245 131 245 131 245 24079 73010 87615 ... 35238 99075 66405 000 000	CW	(AB/MPJ)
M12	8-12	1440	13909	Thu	969 969 969 1 245 131 245 131 245 24079 73010 87615 ... 35238 99075 66405 000 000	CW	(AB/MPJ)
M12	8-12	2300	9134	Thu	457 1 160 113 86626 91090 74905 ... 05702 50522 60937 000 000	CW	(RL/HFD)
M12	8-12	2320	8134	Thu	457 1 160 113 86626 91090 74905 ... 05702 50522 60937 000 000	CW	(RL/HFD)
M12	8-12	2340	7534	Thu	457 1 160 113 86626 91090 74905 ... 05702 50522 60937 000 000	CW	(RL/HFD)
M12	9-12	0030	6832	Fri	851 851 851 1 5081 178 5081 178 29340 05191 64861 ...	CW	(AB/HFD)
M12	9-12	0050	7532	Fri	851 851 851 1 5081 178 5081 178 29340 05191 64861 ...	CW	(AB/HFD)
M12	9-12	0110	8132	Fri	851 851 851 1 5081 178 5081 178 29340 05191 64861 ...	CW	(AB/HFD)
M12	9-12	0900	15842	Fri	812 812 812 000	CW	(AB)
M12	9-12	0920	16142	Fri	812 812 812 000	CW	(AB)
M12	9-12	2000	6792	Fri	780 780 780 1 315 147 315 147 75100 76284 93312 ... 49405 95738 27581 000 000	CW	(AB)
M12	9-12	2020	5892	Fri	780 780 780 1 315 147 315 147 75100 76284 93312 ... 49405 95738 27581 000 000	CW	(AB)
M12	9-12	2040	5092	Fri	780 780 780 1 315 147 315 147 75100 76284 93312 ... 49405 95738 27581 000 000	CW	(AB)
M12	9-12	2200	5832	Fri	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB)
M12	9-12	2220	6832	Fri	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB)
M12	9-12	2240	7732	Fri	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB)
M12	10-12	1800	11435	Sat	938 938 938 1 8923 75 8923 75 11983 72588 52210 ... 73314 93088 64000 000 000	CW	(AB-RUS/MPJ)

M12	10-12	1820	10598	Sat	938 938 938 1 8923 75 8923 75 11983 72588 52210 ... 73314 93088 64000 000 000	CW	(AB-RUS/MPJ)
M12	10-12	1840	9327	Sat	938 938 938 1 8923 75 8923 75 11983 72588 52210 ... 73314 93088 64000 000 000	CW	(AB-RUS/MPJ)
M12	10-12	2200	5832	Sat	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB/HFD)
M12	10-12	2220	6832	Sat	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB/HFD)
M12	10-12	2240	7732	Sat	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB/RL/HFD)
M12	11-12	0800	16234	Sun	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	11-12	0820	17434	Sun	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	11-12	0840	18234	Sun	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	12-12	1230	12205	Mon	973 973 973 1 6229 60 6229 60 51525 05648 32763 ... 60298 75812 62690 000 000	CW	(AB)
M12	12-12	1250	13559	Mon	973 973 973 1 6229 60 6229 60 51525 05648 32763 ... 60298 75812 62690 000 000	CW	(AB)
M12	12-12	1310	14728	Mon	973 973 973 1 6229 60 6229 60 51525 05648 32763 ... 60298 75812 62690 000 000	CW	(AB)
M12	12-12	1400	15909	Mon	969 969 969 000	CW	(AB/MPJ)
M12	12-12	1420	14609	Mon	969 969 969 000	CW	(AB/MPJ)
M12	12-12	2300	9134	Mon	457 457 457 000	CW	(AB/RL)
M12	12-12	2320	8134	Mon	457 457 457 000	CW	(AB/RL)
M12	13-12	0030	6832	Tue	851 851 851 1 5081 178 5081 178 29340 05191 64861 ... 43448 27894 79767 000 000	CW	(AB)
M12	13-12	0050	7532	Tue	851 851 851 1 5081 178 5081 178 29340 05191 64861 ... 43448 27894 79767 000 000	CW	(AB)
M12	13-12	0110	8132	Tue	851 851 851 1 5081 178 5081 178 29340 05191 64861 ... 43448 27894 79767 000 000	CW	(AB)
M12	13-12	0300	14354	Tue	311 311 311 1 ...		(HFD-J)
M12	13-12	0320	12154	Tue	311 311 311 1 ...		(HFD-J)
M12	13-12	0340	11154	Tue	311 311 311 1 ...		(HFD-J)
M12	13-12	0900	15842	Tue	812 812 812 000	CW	(AB)
M12	13-12	0920	16142	Tue	812 812 812 000	CW	(AB)
M12	14-12	0800	16234	Wed	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	14-12	0820	17434	Wed	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	14-12	0840	18234	Wed	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	14-12	2000	6792	Wed	780 780 780 000	CW	(AB)
M12	14-12	2020	5892	Wed	780 780 780 000	CW	(AB)
M12	15-12	1110	13386	Thu	725 725 725 1 1707 95 1707 95 58085 49856 65931 ... 85381 18528 19829 000 000	CW	(AB)
M12	15-12	1130	12189	Thu	725 725 725 1 1707 95 1707 95 58085 49856 65931 ... 85381 18528 19829 000 000	CW	(AB)
M12	15-12	1150	11491	Thu	725 725 725 1 1707 95 1707 95 58085 49856 65931 ... 85381 18528 19829 000 000	CW	(AB)
M12	15-12	1400	15909	Thu	969 969 969 000	CW	(AB/MPJ)
M12	15-12	1420	14609	Thu	969 969 969 000	CW	(AB/MPJ)
M12	15-12	2300	9134	Thu	457 457 457 000	CW	(AB)
M12	15-12	2320	8134	Thu	457 457 457 000	CW	(AB)
M12	16-12	0030	6832	Fri	851 851 851 1 5081 178 5081 178 29340 05191 64861 ... 43448 27894 79767 000 000	CW	(AB)
M12	16-12	0050	7532	Fri	851 851 851 1 5081 178 5081 178 29340 05191 64861 ... 43448 27894 79767 000 000	CW	(AB)
M12	16-12	0110	8132	Fri	851 851 851 1 5081 178 5081 178 29340 05191 64861 ... 43448 27894 79767 000 000	CW	(AB)
M12	16-12	0900	15842	Fri	812 812 812 000	CW	(AB)
M12	16-12	0920	16142	Fri	812 812 812 000	CW	(AB)
M12	16-12	2000	6792	Fri	780 780 780 000	CW	(AB)
M12	16-12	2020	5892	Fri	780 780 780 000	CW	(AB)

M12	16-12	2200	5832	Fri	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB)
M12	16-12	2220	6832	Fri	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB)
M12	16-12	2240	7732	Fri	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB)
M12	17-12	1800	11435	Sat	938 938 938 1 7756 77 7756 77 18744 96966 00475 ... 83729 76004 95433 000 000	CW	(AB-CYP/MPJ-AUT)
M12	17-12	1820	10598	Sat	938 938 938 1 7756 77 7756 77 18744 96966 00475 ... 83729 76004 95433 000 000	CW	(AB-RUS/MPJ-AUT)
M12	17-12	1840	9327	Sat	938 938 938 1 7756 77 7756 77 18744 96966 00475 ... 83729 76004 95433 000 000	CW	(AB-RUS/MPJ-AUT)
M12	17-12	2200	5832	Sat	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB)
M12	17-12	2220	6832	Sat	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB)
M12	17-12	2240	7732	Sat	887 887 887 1 436 82 436 83 61777 30305 98877 ... 96463 51633 53791 000 000	CW	(AB)
M12	18-12	0800	16234	Sun	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	18-12	0820	17434	Sun	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	18-12	0840	18234	Sun	242 242 242 1 8151 212 8151 212 61781 36292 61800 ... 52316 83141 43537 000 000	CW	(AB)
M12	19-12	1230	12205	Mon	973 973 973 1 5125 56 5125 56 44705 79296 54608 ... 12620 67521 47374 000 000	CW	(AB)
M12	19-12	1250	13559	Mon	973 973 973 1 5125 56 5125 56 44705 79296 54608 ... 12620 67521 47374 000 000	CW	(AB)
M12	19-12	1310	14728	Mon	973 973 973 1 5125 56 5125 56 44705 79296 54608 ... 12620 67521 47374 000 000	CW	(AB)
M12	19-12	1400	15909	Mon	969 969 969 1 8285 98 8285 98 37471 67336 44301 ... 59095 86488 06923 000 000	CW	(AB/MPJ)
M12	19-12	1420	14609	Mon	969 969 969 1 8285 98 8285 98 37471 67336 44301 ... 59095 86488 06923 000 000	CW	(AB/MPJ)
M12	19-12	1440	13909	Mon	969 969 969 1 8285 98 8285 98 37471 67336 44301 ... 59095 86488 06923 000 000	CW	(AB/MPJ)
M12	19-12	2300	9134	Mon	457 457 457 000	CW	(AB)
M12	19-12	2320	8134	Mon	457 457 457 000	CW	(AB)
M12	20-12	0030	6832	Tue	851 851 851 000	CW	(AB)
M12	20-12	0050	7532	Tue	851 851 851 000	CW	(AB)
M12	20-12	0900	15842	Tue	812 812 812 000	CW	(AB)
M12	20-12	0920	16142	Tue	812 812 812 000	CW	(AB)
M12	21-12	0800	16234	Wed	242 242 242 000	CW	(AB)
M12	21-12	0820	17434	Wed	242 242 242 000	CW	(AB)
M12	21-12	2000	6792	Wed	780 780 780 1 5533 165 5533 165 69471 36858 48390 ... 80155 68598 84258 000 000	CW	(AB)
M12	21-12	2020	5892	Wed	780 780 780 1 5533 165 5533 165 69471 36858 48390 ... 80155 68598 84258 000 000	CW	(AB)
M12	21-12	2040	5092	Wed	780 780 780 1 5533 165 5533 165 69471 36858 48390 ... 80155 68598 84258 000 000	CW	(AB)
M12	22-12	1110	13386	Thu	725 725 725 1 8576 98 8576 98 39512 07368 37763 ... 00976 91553 13866 00 000	CW	(AB/MPJ)
M12	22-12	1130	12189	Thu	725 725 725 1 8576 98 8576 98 39512 07368 37763 ... 00976 91553 13866 00 000	CW	(AB/MPJ)
M12	22-12	1150	11491	Thu	725 725 725 1 8576 98 8576 98 39512 07368 37763 ... 00976 91553 13866 00 000	CW	(AB/MPJ)
M12	22-12	1400	15909	Thu	969 969 969 1 8285 98 8285 98 37471 67336 44301 ... 59095 86488 06923 000 000	CW	(AB)
M12	22-12	1420	14609	Thu	969 969 969 1 8285 98 8285 98 37471 67336 44301 ... 59095 86488 06923 000 000	CW	(AB)
M12	22-12	1440	13909	Thu	969 969 969 1 8285 98 8285 98 37471 67336 44301 ... 59095 86488 06923 000 000	CW	(AB)
M12	22-12	2300	9134	Thu	457 457 457 1 441 95 441 95 12761 25110 31135... 06197 44579 22342 000 000	CW	(AB)
M12	22-12	2320	8134	Thu	457 457 457 1 441 95 441 95 12761 25110 31135... 06197 44579 22342 000 000	CW	(AB)
M12	22-12	2340	7534	Thu	457 457 457 1 441 95 441 95 12761 25110 31135... 06197 44579 22342 000 000	CW	(AB)
M12	23-12	0030	6832	Fri	851 851 851 00	CW	(AB)
M12	23-12	0050	7532	Fri	851 851 851 000	CW	(AB)
M12	23-12	0900	15842	Fri	812 812 812 000	CW	(AB)
M12	23-12	0920	16142	Fri	812 812 812 000	CW	(AB)

M12	23-12	2000	6792	Fri	780 780 780 1 5533 165 5533 165 69471 36858 48390 ... 80155 68598 84258 000 000	CW	(AB)
M12	23-12	2020	5892	Fri	780 780 780 1 5533 165 5533 165 69471 36858 48390 ... 80155 68598 84258 000 000	CW	(AB)
M12	23-12	2040	5092	Fri	780 780 780 1 5533 165 5533 165 69471 36858 48390 ... 80155 68598 84258 000 000	CW	(AB)
M12	23-12	2200	5832	Fri	887 887 887 000	CW	(AB)
M12	23-12	2220	6832	Fri	887 887 887 000	CW	(AB)
M12	24-12	2200	5832	Sat	887 887 887 000	CW	(AB)
M12	24-12	2220	6832	Sat	887 887 887 000	CW	(AB)
M12	25-12	0800	16234	Sun	242 242 242 000	CW	(AB)
M12	25-12	0820	17434	Sun	242 242 242 000	CW	(AB)
M12	26-12	1230	12205	Mon	973 973 973 1 9573 64 9573 64 11075 55862 98041 ... 52183 97795 86971 000 000	CW	(AB)
M12	26-12	1250	13559	Mon	973 973 973 1 9573 64 9573 64 11075 55862 98041 ... 52183 97795 86971 000 000	CW	(AB)
M12	26-12	1310	14728	Mon	973 973 973 1 9573 64 9573 64 11075 55862 98041 ... 52183 97795 86971 000 000	CW	(AB)
M12	26-12	1400	15909	Mon	969 969 969 000	CW	(AB)
M12	26-12	1420	14609	Mon	969 969 969 000	CW	(AB)
M12	27-12	0030	6832	Tue	851 851 851 1 206 164 206 164 81475 36089 17663 ... 91286 77409 32641 000 000	CW	(AB)
M12	27-12	0050	7532	Tue	851 851 851 1 206 164 206 164 81475 36089 17663 ... 91286 77409 32641 000 000	CW	(AB)
M12	27-12	0050	8132	Tue	851 851 851 1 206 164 206 164 81475 36089 17663 ... 91286 77409 32641 000 000	CW	(AB)
M12	27-12	0900	15842	Tue	812 812 812 000	CW	(AB)
M12	27-12	0920	16142	Tue	812 812 812 000	CW	(AB)
M12	28-12	0800	16234	Wed	242 242 242 000	CW	(AB)
M12	28-12	0820	17434	Wed	242 242 242 000	CW	(AB)
M12	28-12	2000	6792	Wed	780 780 780 000	CW	(AB)
M12	28-12	2020	5892	Wed	780 780 780 000	CW	(AB)
M12	29-12	1110	13386	Thu	725 725 725 1 1804 93 1804 93 91084 52029 84014 ... 70366 13680 73630 000 000	CW	(AB)
M12	29-12	1130	12189	Thu	725 725 725 1 1804 93 1804 93 91084 52029 84014 ... 70366 13680 73630 000 000	CW	(AB)
M12	29-12	1150	11491	Thu	725 725 725 1 1804 93 1804 93 91084 52029 84014 ... 70366 13680 73630 000 000	CW	(AB)
M12	29-12	1400	15909	Thu	969 969 969 000	CW	(AB/MPJ)
M12	29-12	1420	14609	Thu	969 969 969 000	CW	(AB/MPJ)
M12	29-12	2300	9134	Thu	457 457 457 000	CW	(AB)
M12	29-12	2320	8134	Thu	457 457 457 000	CW	(AB)
M12	30-12	0030	6832	Fri	851 851 851 1 206 164 206 164 81475 ...	CW	(AB)
M12	30-12	0050	7532	Fri	851 851 851 1 206 164 206 164 81475 ...	CW	(AB)
M12	30-12	0050	8132	Fri	851 851 851 1 206 164 206 164 81475 ...	CW	(AB)
M12	30-12	0900	15842	Fri	812 812 812 000	CW	(AB)
M12	30-12	0920	16142	Fri	812 812 812 000	CW	(AB)
M12	30-12	2000	6792	Fri	780 780 780 000	CW	(AB)
M12	30-12	2020	5892	Fri	780 780 780 000	CW	(AB)
M12	30-12	2200	5832	Fri	887 887 887 000	CW	(AB/RL)
M12	30-12	2220	6832	Fri	887 887 887 000	CW	(AB/RL)
M12	31-12	1800	11435	Sat	938 938 938 1 3778 74 3778 74 99514 21096 41468 ... 53512 03424 81623 000 000	CW	(AB-CYP)
M12	31-12	1820	10598	Sat	938 938 938 1 3778 74 3778 74 99514 21096 41468 ... 53512 03424 81623 000 000	CW	(AB-CYP)
M12	31-12	1840	9327	Sat	938 938 938 1 3778 74 3778 74 99514 21096 41468 ... 53512 03424 81623 000 000	CW	(AB-CYP)

M12	31-12	2200	5832	Sat	887 887 887 000	CW	(AB)
M12	31-12	2220	6832	Sat	887 887 887 000	CW	(AB)
M14	1-12	0505	12211	Thu	952 952 952 00000 816 816 57 57 = = 16371 09926 90094 ... 58117 14957 16692 = = 816 816 57 57 00000	CW	(AB-J)
M14	1-12	0520	10243	Thu	No transmission	CW	(AB-J)
M14	2-12	0502	12211	Fri	952 734 734 51 51 = = 68335 11875 83506 ... 94390 43049 23937 = = 734 734 51 51 00000	CW	(AB-J)
M14	2-12	0520	10243	Fri	952 734 734 51 51 = = 68335 11875 83506 ... 94390 43049 23937 = = 734 734 51 51 00000	CW	(AB-J)
M14	5-12	0500	12211	Mon	952 861 861 52 52 = = 83521 94975 29117 ... 98033 10271 61197 = = 861 861 52 52 00000	CW	(AB-J)
M14	5-12	0522	10243	Mon	952 861 861 52 52 = = 83521 94975 29117 ... 98033 10271 61197 = = 861 861 52 52 00000	CW	(AB-J)
M14	6-12	0501	12211	Tue	952 743 743 51 51 = = 99236 12912 95656 ... 62821 68381 72071 = = 743 743 51 51 00000	CW	(AB)
M14	6-12	0523	10143	Tue	952 743 743 51 51 = = 99236 12912 95656 ... 62821 68381 72071 = = 743 743 51 51 00000	CW	(AB)
M14	7-12	0500	12211	Wed	952 186 186 52 52 = = 52985 83296 73652 ... 62863 47426 67119 = = 186 186 52 52 (no closing nulls)	CW	(AB)
M14	7-12	0520	10143	Wed	952 186 186 52 52 = = 52985 83296 73652 ... 62863 47426 67119 = = 186 186 52 52 (no closing nulls)	CW	(AB)
M14	8-12	0502	12211	Thu	952 740 740 51 51 = = 52985 83296 73652 94729 off	CW	(AB-J)
M14	8-12	0520	10243	Thu	No transmission	CW	(AB-J)
M14	9-12	0500	12211	Fri	Carrier for 2 mins at 0509z	CW	(AB-J)
M14	9-12	0520	10243	Fri	Carrier only till 0537z	CW	(AB-J)
M14	12-12	0500	12211	Mon	952 784 784 56 56 = = 10609 99643 88648 ... 95181 25579 34365 = = 784 784 56 56 00000	CW	(AB-J)
M14	12-12	0520	10243	Mon	952 784 784 56 56 = = 10609 99643 88648 ... 95181 25579 34365 = = 784 784 56 56 00000	CW	(AB-J)
M14	13-12	0500	12211	Tue	952 301 301 52 52 = = 53819 84248 19075 ... 56253 08999 87569 = = 301 301 52 52 00000	CW	(AB-J)
M14	13-12	0520	10143	Tue	952 301 301 52 52 = = 53819 84248 19075 ... 56253 08999 87569 = = 301 301 52 52 00000	CW	(AB-J)
M14	14-12	0500	12211	Wed	952 687 687 51 51 = = 66683 83362 63511 ... 39395 42565 42839 = = 687 687 51 51 00000	CW	(AB)
M14	14-12	0527	10143	Wed	952 687 687 51 51 = = 66683 83362 63511 ... 39395 42565 42839 = = 687 687 51 51 00000 Late start	CW	(AB)
M14	15-12	0502	12211	Thu	952 (1m40s pause) 310 310 52 52 = = 26017 00800 06440 ... 87089 17950 33013 = = 310 310 52 52 00000	CW	(AB-J)
M14	15-12	0520	10243	Thu	952 310 310 52 52 = = 26017 00800 06440 ... 87089 17950 33013 = = 310 310 52 52 00000	CW	(AB-J)
M14	16-12	0508	12211	Fri	Late start. Sent only 3 09166 88301. Off after 19 secs	CW	(AB-J)
M14	16-12	0521	10243	Fri	Late start. 952 (5x) Off. Back after 3m10s with 88483 99729 751 then off again	CW	(AB-J)
M14	19-12	0500	12211	Mon	952 138 138 59 59 = = 25164 53705 84375 ... 26217 10225 14069 = = 138 138 59 59 00000	CW	(AB-J)
M14	19-12	0520	10243	Mon	952 138 138 59 59 = = 25164 53705 84375 ... 26217 10225 14069 = = 138 138 59 59 00000	CW	(AB-J)
M14	20-12	0500	12211	Tue	952 406 406 53 53 = = 42304 50453 07342 ... 07488 13641 26004 = = 406 406 53 53 00000	CW	(AB-J)

M14	20-12	0520	10143	Tue	952 406 406 53 53 = = 42304 50453 07342 ... 07488 13641 26004 = = 406 406 53 53 00000	CW	(AB-J)
M14	21-12	0505	12211	Wed	Started at 0505z with group 4: 20628 09448 77246 ... 51343 37249 06519 = = 713 713 54 54 00000	CW	(AB)
M14	21-12	0520	10143	Wed	952 713 713 54 54 = = 53484 40736 26748 ... 51343 37249 06519 = = 713 713 54 54 00000	CW	(AB)
M14	22-12	0511	12211	Thu	Started with group 37: 62758 05923 72706 ... 31807 84837 76728 = = 864 864 51 51 00000. Briefly FSK CW at 0511z	CW	(AB-J)
M14	22-12	0520	10243	Thu	952 864 864 51 51 = = 97976 24846 42504 ... 31807 84837 76728 = = 864 864 51 51 00000	CW	(AB-J)
M14	23-12	0500	12211	Fri	No transmission	CW	(AB-J)
M14	23-12	0527	10243	Fri	Very late start. 952 for one minute, then off	CW	(AB-J)
M14	26-12	0500	12211	Mon	No transmission	CW	(AB-J)
M14	26-12	0520	10243	Mon	No transmission	CW	(AB-J)
M14	27-12	0500	12211	Tue	952 417 417 55 55 = = 26081 77601 88310 ...0 62816 93566 00170 = = 417 417 55 55 00000	CW	(AB-J)
M14	27-12	0521	10143	Tue	952 417 417 55 55 = = 26081 77601 88310 ...0 62816 93566 00170 = = 417 417 55 55 00000	CW	(AB-J)
M14	28-12	0500	12211	Wed	952 306 306 55 55 = = 03767 58195 76763 ... 22337 42680 15867 = = 306 306 55 55 00000	CW	(AB)
M14	28-12	0520	10143	Wed	952 306 306 55 55 = = 03767 58195 76763 ... 22337 42680 15867 = = 306 306 55 55 00000	CW	(AB)
M14	29-12	0500	12211	Thu	952 831 831 52 52 = = 03767 58195 76763 ... 41058 57605 48094 = = 831 831 52 52 00000	CW	(AB-J)
M14	29-12	0520	10243	Thu	952 831 831 52 52 = = 03767 58195 76763 ... 41058 57605 48094 = = 831 831 52 52 00000	CW	(AB-J)
M14	30-12	0500	12211	Fri	952 764 764 51 51 = = 33747 89037 78486 ... 57382 91938 37322 = = 764 764 51 51 00000	CW	(AB-J)
M14	30-12	0520	10243	Fri	952 764 764 51 51 = = 33747 89037 78486 ... 57382 91938 37322 = = 764 764 51 51 00000	CW	(AB-J)
M23	1-12	0959	5345	Thu	000 (long zero's) (R 47min)	CW	(AB)
M23	1-12	1559	5345	Thu	000 (long zero's) (R 47min)	CW	(AB)
M23	2-12	0959	5345	Fri	000 (long zero's) (R 47min)	CW	(AB)
M23	2-12	1559	5345	Fri	000 (long zero's) (R 47min)	CW	(AB)
M23	3-12	0959	5345	Sat	000 (long zero's) (R 47min)	CW	(AB)
M23	3-12	1559	5345	Sat	000 (long zero's) (R 47min)	CW	(AB)
M23	3-12	1659	5345	Sat	Hourly time beep	CW	(AB)
M23	4-12	0759	5345	Sun	Hourly time beep	CW	(AB)
M23	4-12	0959	5345	Sun	000 (long zero's) (R 47min)	CW	(AB)
M23	4-12	1559	5345	Sun	000 (long zero's) (R 47min)	CW	(AB)
M23	5-12	0759	5423	Mon	Hourly time beep	CW	(AB)
M23	5-12	1359	5345	Mon	951 (R 36m)	CW	(AB)

M23	5-12	1559	5345	Mon	OOO (R 1h 22m)	CW	(AB)
M23	6-12	0659	5345	Tue	Hourly time beep	CW	(AB)
M23	6-12	0859	5345	Tue	951 (R 36m)	CW	(AB)
M23	6-12	0959	5345	Tue	OOO (R 1h 22m)	CW	(AB)
M23	6-12	1359	5345	Tue	951 (R 36m)	CW	(AB)
M23	6-12	1559	5345	Tue	OOO (R 1h 22m)	CW	(AB)
M23	7-12	0859	5345	Wed	951 (R 36m)	CW	(AB)
M23	7-12	0959	5345	Wed	OOO (R 1h 22m)	CW	(AB)
M23	7-12	1359	5345	Wed	951 (R 36m)	CW	(AB)
M23	7-12	1559	5345	Wed	OOO (R 1h 22m)	CW	(AB)
M23	8-12	0859	5345	Thu	951 (R 36m)	CW	(AB)
M23	8-12	0959	5345	Thu	OOO (R 1h 22m)	CW	(AB)
M23	12-12	1318	5345	Mon	654 (R 45m)	CW	(PY)
M23	12-12	1558	5345	Mon	000 (R 47m)	CW	(PY)
M23	13-12	0558	5435	Tue	Hourly beep	CW	(AB)
M23	13-12	0958	5345	Tue	000 (long zeros) (R 47m)	CW	(AB)
M23	13-12	1318	5345	Tue	654 (R 45m)	CW	(AB)
M23	13-12	1558	5345	Tue	000 (long zero's) (R 47m)	CW	(AB)
M23	13-12	1758	5345	Tue	654 (R 45m)	CW	(AB)
M23	14-12	0958	5345	Wed	000 (long zeros) (R 47m)	CW	(AB)
M23	14-12	1318	5345	Wed	654 (R 45m)	CW	(AB)
M23	14-12	1558	5345	Wed	000 (long zero's) (R 47m)	CW	(AB)
M23	14-12	1758	5345	Wed	654 (R 45m)	CW	(AB/MPJ)
M23	15-12	0958	5345	Thu	000 (long zeros) (R 47m)	CW	(AB)
M23	15-12	1318	5345	Thu	654 (R 45m)	CW	(AB/MPJ)
M23	15-12	1558	5345	Thu	000 (long zero's) (R 47m)	CW	(AB)
M23	15-12	1758	5345	Thu	654 (R 45m)	CW	(AB)
M23	16-12	0958	5345	Fri	000 (long zeros) (R 47m)	CW	(AB)
M23	16-12	1318	5345	Fri	654 (R 45m)	CW	(AB)
M23	16-12	1558	5345	Fri	000 (long zero's) (R 47m)	CW	(AB)
M23	16-12	1758	5345	Fri	654 (R 45m)	CW	(AB)
M23	17-12	0958	5345	Sat	000 000 000 (long zeros) (R 47m)	CW	(AB)
M23	17-12	1318	5345	Sat	654 654 654 (R 45m)	CW	(AB)
M23	17-12	1558	5345	Sat	000 000 000 (long zero's) (R 47m)	CW	(AB)
M23	17-12	1758	5345	Sat	654 654 654 (R 45m)	CW	(AB)
M23	18-12	0958	5345	Sun	000 000 000 (long zeros) (R 47m)	CW	(AB)
M23	18-12	1318	5345	Sun	654 654 654 (R 45m)	CW	(AB)
M23	18-12	1558	5345	Sun	000 000 000 (long zero's) (R 47m)	CW	(AB)
M23	18-12	1758	5345	Sun	654 654 654 (R 45m)	CW	(AB)
M23	19-12	0758	5345	Mon	Hourly beep	CW	(AB)
M23	19-12	1318	5345	Mon	654 654 654 (R 45m)	CW	(AB)
M23	19-12	1558	5345	Mon	Hourly beep	CW	(AB)

M23	19-12	1758	5345	Mon	654 654 654 (R 45m)	CW	(AB)
M23	20-12	0658	5345	Tue	Hourly beep	CW	(AB)
M23	20-12	1318	5345	Tue	654 (R 45m)	CW	(AB)
M23	20-12	1758	5345	Tue	654 (R 45m)	CW	(AB)
M23	21-12	1318	5345	Wed	654 (R 45m)	CW	(AB)
M23	21-12	1758	5345	Wed	654 (R 45m)	CW	(AB)
M23	22-12	1318	5345	Thu	654 (R 45m)	CW	(AB)
M23	22-12	1758	5345	Thu	654 (R 45m)	CW	(AB)
M23	23-12	1318	5345	Fri	654 (R 45m)	CW	(AB)
M23	23-12	1758	5345	Fri	654 (R 45m)	CW	(AB)
M23	24-12	1318	5345	Sat	654 654 654 (R 45m)	CW	(AB)
M23	24-12	1758	5345	Sat	654 654 654 (R 45m)	CW	(AB)
M23	25-12	1318	5345	Sun	654 654 654 (R 45m)	CW	(AB)
M23	25-12	1758	5345	Sun	654 654 654 (R 45m)	CW	(BR)
M23	26-12	0658	5345	Mon	Hourly beep	CW	(AB)
M23	26-12	0758	5345	Mon	Hourly beep	CW	(AB)
M23	26-12	1318	5345	Mon	654 654 654 (R 45m)	CW	(AB)
M23	26-12	1758	5345	Mon	654 654 654 (R 45m)	CW	(AB)
M23	27-12	1318	5345	Tue	654 (R 45m)	CW	(AB)
M23	27-12	1758	5345	Tue	654 (R 45m)	CW	(AB)
M23	28-12	1318	5345	Wed	654 (R 45m)	CW	(AB)
M23	28-12	1758	5345	Wed	654 (R 45m)	CW	(AB)
M23	29-12	0858	5345	Thu	Hourly beep	CW	(AB)
M23	29-12	1318	5345	Thu	654 (R 45m)	CW	(AB)
M23	29-12	1758	5345	Thu	654 (R 45m)	CW	(AB)
M23	30-12	1318	5345	Fri	654 (R 45m)	CW	(AB)
M23	30-12	1758	5345	Fri	654 (R 45m)	CW	(AB)
M23	31-12	0758	5345	Sat	Hourly beep	CW	(AB)
M23	31-12	1318	5345	Sat	654 654 654 (R 45m)	CW	(AB)
M23	31-12	1758	5345	Sat	654 654 654 (R 45m)	CW	(AB)
M32	14-12	0641	7678	Wed	KB92 KB92 KB92 QTC AR K KB92 350 33 14 0940 3406 195 = 80416 64886 60828 ... 75668 04282 14030 195 QLN K	CW	(AB)
M32c	7-12	1320	8112	Wed	Russian Air Force W-marker (R2m) K	CW	(AB)
M32c	7-12	1340	8112	Wed	Russian Air Force W-marker (R2m) K	CW	(AB)
M32c	7-12	1400	8112	Wed	Russian Air Force W-marker (R2m) K	CW	(AB)
M32c	7-12	1420	8112	Wed	Russian Air Force W-marker (R2m) K	CW	(AB)
M32c	7-12	1440	8112	Wed	Russian Air Force W-marker (R2m) K	CW	(AB)
M32c	16-12	1059	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1119	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1139	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1159	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1219	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)

M32c	16-12	1239	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1259	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1319	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1339	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1359	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1419	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1439	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1459	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1519	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1539	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	16-12	1559	8112	Fri	Russian Air Force. W-marker (R2) K	CW	(AB)
M32c	21-12	0719	8112	Wed	NOA5 wkg AF2V: = 430 631 834 768 304 087 409	CW	(Mario-J)
M32c	21-12	0721	8112	Wed	NOA5 wkg AF2V: = 430 046 091 027 959 269 796	CW	(Mario-J)
M32c	21-12	0723	8112	Wed	NOA5 wkg AF2V: = 430 359 360 118 498 713 044	CW	(Mario-J)
M32c	21-12	0725	8112	Wed	NOA5 wkg AF2V: = 430 624 934 432 690 043 343	CW	(Mario-J)
M32c	21-12	0727	8112	Wed	NOA5 wkg AF2V: = 430 481 091 741 124 043 215	CW	(Mario-J)
M32c	21-12	0745	8990	Wed	W8O6, AF2V wkg NOA5: NOA5 de W8O6 658 142	CW	(Mario-J)
M32c	21-12	0818	8990	Wed	NGA5 de AF2V 050 020 359 197 498 742 325	CW	(Mario-J)
M32c	22-12	1139	8112	Thu	Russian Air Force channel marker W (R2) K	CW	(MPJ)
M32c	22-12	1159	8112	Thu	Russian Air Force channel marker W (R2) K	CW	(MPJ)
M32c	30-12	0747	7314	Fri	REA4 REA4 = 30060 99900 29110 73842 70997 02002 11238 21277 80000 = REA4 K	CW	(AB)
M32c	30-12	0839	7314	Fri	REA4 REA4 = 30070 99900 29120 74842 71997 02101 11242 21280 80000 = REA4 K	CW	(AB)
M32c	30-12	0937	7314	Fri	REA4 REA4 = 30080 99900 29120 73842 71997 02101 11242 21280 80000 = REA 4 K	CW	(AB)
M32c	30-12	1039	7314	Fri	REA4 REA4 = 30090 99900 29110 62596 88994 82801 11172 21186 61022 80020 = REA4 K	CW	(AB)
M32c	30-12	1139	7314	Fri	REA4 REA4 = 30100 99900 29120 62596 88994 82801 11172 21186 71022 80020 = REA4 K	CW	(AB)
M32c	30-12	1422	7314	Fri	REA4 REA4 = 30110 99900 29130 62594 90994 82902 11168 21181 71022 80020 = REA4 K	CW	(AB)
M32c	31-12	0739	7314	Sat	XXX XXX 6OKS 6OKS 54809 BRYaKOSHik 0091 0497 ZYuWDOPL 8397 7833 K	CW	(AB)
M32c	31-12	0838	7314	Sat	REA4 REA4 = 31070 99900 30120 73842 40997 40000 11218 21258 82011 = REA4 K	CW	(AB)
M32c	31-12	0939	7314	Sat	REA4 REA4 = 31080 99900 30120 73842 40997 40000 21218 00012 01258 82011 = REA4 K	CW	(AB)
M32c	31-12	1040	7314	Sat	REA4 REA4 = 21090 99900 30120 62086 90995 00201 11214 21226 71000 80000 = REA4 K	CW	(AB)
M32c	31-12	1139	7314	Sat	REA4 REA4 = 31100 99900 30120 62596 90995 00310 11214 21226 21000 = REA4 K	CW	(AB)
M32c	31-12	1239	7314	Sat	REA4 REA4 = 31110 99900 30130 62596 53004 01001 11220 21128 71000 80000 = REA4 K	CW	(AB)
M42	1-12	0747	11471	Thu	Russian diplo	MFSK-66	(AB)
M42	1-12	0747	16024	Thu	Russian diplo	MFSK-66	(AB)
M42	1-12	1134	14686	Thu	Russian diplo	PSK+OFDM-121	(VSh)
M42	1-12	1200	12217	Thu	Russian net	OFDM-112	(VSh)

M42	1-12	1214	11492	Thu	Russian diplo	PSK+OFDM-121	(VSh)
M42	1-12	1253	16119	Thu	Russian diplo	PSK+OFDM-121	(VSh)
M42	2-12	0831	16119	Fri	Russian diplo	OFDM-121	(AB)
M42	6-12	0926	13399	Tue	Russian diplo	MFSK 66	(AB/RXR)
M42	6-12	0947	17420	Tue	Russian diplo	MFSK 66	(AB)
M42	6-12	0948	17422	Tue	Russian diplo	MFSK-66	(RO)
M42	6-12	1131	17421	Tue	Russian diplo	Serdolik v2	(AB)
M42	6-12	1136	13942	Tue	Russian diplo	Serdolik v2	(AB)
M42	7-12	0741	14381	Wed	Russian net	MFSK-11	(AB)
M42	7-12	1319	10408	Wed	Russian diplo	MFSK-66	(AB)
M42	9-12	0743	13433	Fri	Russian diplo	Serdolik v2	(AB)
M42	9-12	0835	12193	Fri	Russian diplo.	OFDM-121	(AB)
M42	9-12	0909	12177	Fri	Russian diplo.	OFDM-121	(AB)
M42	9-12	0929	12226	Fri	Russian diplo.	OFDM-121	(AB)
M42	11-12	1057	14559	Sun	Russian diplo	Serdolik v2	(AB)
M42	13-12	1024	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	16-12	1030	18323	Fri	Russian diplo	Serdolik v2	(AB)
M42	16-12	1305	16098	Fri	Russian diplo	MFSK-66	(AB)
M42	16-12	1330	17444	Fri	Russian diplo	MFSK-66	(AB)
M42	18-12	0824	13397	Sun	Russian net. Transmitter: Chita	OFDM-112	(VSh)
M42	19-12	0905	12199	Mon	Russian diplo	OFDM-121	(AB)
M42	21-12	1106	17440	Wed	Russian diplo	Serdolik v2	(AB)
M42	21-12	1113	17444	Wed	Russian diplo	Serdolik v2	(AB)
M42	21-12	1119	14651	Wed	Russian diplo	Serdolik v2	(AB)
M42	21-12	1127	17440	Wed	Russian diplo	Serdolik v2	(AB)
M42	22-12	0750	12123	Thu	Russian diplo	MFSK-66	(AB/RXR)
M42	22-12	0802	18221	Thu	Russian diplo	Serdolik v2	(AB)
M42	22-12	0812	18221	Thu	Russian diplo	Serdolik v2	(AB/RXR)
M42	23-12	0738	13430	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-12	0742	13430	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-12	0816	13432	Fri	Russian diplo	Serdolik v2	(AB)
M42	23-12	0826	13432	Fri	Russian diplo	Serdolik v2	(AB)
M42	23-12	1021	17433	Fri	Russian diplo	MFSK-66	(AB/RXR)
M42	27-12	0800	15690	Tue	Russian diplo	Serdolik v2	(AB)
M42	27-12	0810	11072	Tue	Russian diplo	Serdolik v2	(AB)
M42	27-12	1451	17529	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	27-12	1454	17529	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	28-12	0739	20331	Wed	Russian diplo	Serdolik v2	(RXR)
M42	28-12	0820	12110	Wed	Russian diplo	MFSK-66	(AB/RO)
M42	28-12	0838	13458	Wed	Russian diplo	MFSK-66	(AB)
M42	28-12	0855	11154	Wed	Russian diplo	Serdolik v2	(AB/RO)
M42	28-12	0856	10239	Wed	Russian diplo	Serdolik v2	(RO)

M42	28-12	0912	9087	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	28-12	0917	9087	Wed	Russian diplo	Serdolik v2	(AB/RO)
M42	28-12	0919	9471	Wed	Russian diplo	Serdolik v2	(RO)
M42	28-12	0930	11562	Wed	Russian diplo	Serdolik v2	(AB/RO)
M42	29-12	1108	12633	Thu	Russian diplo	OFDM-112	(AB)
M42	29-12	1138	12633	Thu	Russian diplo	OFDM-112	(AB)
M42	29-12	1153	12360	Thu	Russian diplo	OFDM-112	(AB)
M42b	1-12	1104	9204	Thu	NT9P NT9P NT9P DE K4MT K4MT K 0768 100 1 1051 2345 = 84877 48709 10363 ... 32167 75199 49065 =100= - 1112(CFM QRU? K	FSK 50/500 + CW	(VSh)
M42b	2-12	1028	9206	Fri	NT9P NT9P NT9P DE K4MT K4MT K 171 100 2 1020 7879 = 23467 21053 39665 ... 88944 26964 09339 =100= -1038(CFM NIL SK	FSK 50/500 + CW	(AB)
M42b	6-12	1040	9206	Tue	NT9P NT9P NT9P DE K4MT K4MT K 248 105 6 1135 2348 = 02768 40287 69873 ... 41348 90604 18667 -1148 K CFM SK	FSK 50/500 + CW	(AB)
M42b	7-12	1100	9206	Wed	NT9P NT9P NT9P DE K4MT K4MT K 162 120 7 1056 8789 = 40476 45152 01517 ... 14326 86070 19357 -1104 K CFM QRU? K	FSK 50/500 + CW	(AB)
M42b	7-12	1140	9206	Wed	NT9P NT9P NT9P DE K4MT K4MT K 164 120 7 1138 8889 = 40476 45152 01517 ... 14326 86070 19357 -1144 K CFM QRU? K	FSK 50/500 + CW	(AB)
M42b	7-12	1226	9206	Wed	NT9P NT9P NT9P DE K4MT K4MT K 165 120 7 1155 3439 = 40476 45152 01517 ... 14326 86070 19357 -1204 K CFM QRU? K	FSK 50/500 + CW	(AB)
M42b	7-12	1300	9206	Wed	NT9P NT9P NT9P DE K4MT K4MT K QSA2 QSA? K OK QSWW 35664 QSSSW 35664 K	CW	(AB)
M42b	7-12	1620	8139	Wed	NT9P NT9P NT9P DE K4MT K4MT K QSA2 QSA? QSA2 QSA? K OK QSW 33196	CW	(AB)
M51a	10-12	0800	3881	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two mes- sages. CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	10-12	0800	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two mes- sages. CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	10-12	0920	3881	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two mes- sages. CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	10-12	0920	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two mes- sages. CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51b	9-12	1940	3881	Fri	i.p. Non-stop strings of FAV22 messages	CW	(AB)
M51b	10-12	0647	3881	Sat	i.p. Non-stop strings of FAV22 messages //6825 kHz	CW	(AB)
M51b	10-12	0647	6825	Sat	i.p. Non-stop strings of FAV22 messages //3881 kHz	CW	(AB)
M89	6-12	0230	11155	Tue	HR MSG GA K R QSA ? K R HR RPT PBL NR 6789 6789 K	CW	(JPL)
M89	26-12	1545	3596	Mon	V QYE2 (x3) DE 9WFFV (x2)	CW	(JPL)
M89	26-12	1547	4457	Mon	VVV (x3) Q5G1 (x3) DE W2XB (x2)	CW	(JPL)
M89	26-12	1552	5541	Mon	i.p. RMKS 9608 TO 9475 = I9N/F2X AR	CW	(JPL)
M89	26-12	2118	4457	Mon	VVV (x3) Q5G1 (x3) DE W2XB (x2)	CW	(JPL)
M89	26-12	2120	4860	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	26-12	2120	6840	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	26-12	2145	3596	Mon	V QYE2 (x3) DE 9WFFV (x2) //4888	CW	(JPL)
M89	26-12	2145	4888	Mon	V QYE2 (x3) DE 9WFFV (x2) //3596	CW	(JPL)
M89	30-12	0055	3578	Fri	i.p. 37DA 3N4N 6DN3	CW	(JPL)

M89	30-12	1252	4457	Fri	VVV (x3) Q5G1 (x3) DE W2XB (x2)	CW	(JPL)
M89	30-12	1257	3596	Fri	V QYE2 (x3) DE 9WV (x2) //4888	CW	(JPL)
M89	30-12	1257	4888	Fri	V QYE2 (x3) DE 9WV (x2) //3596	CW	(JPL)
M95	26-12	1542	5651	Mon	V XP5B (x3) DE S2DJ (x2)	CW	(JPL)
M95	26-12	2113	5651	Mon	V XP5B (x3) DE S2DJ (x2)	CW	(JPL)
MC03	7-12	1048	16353	Wed	= = 6D34 674A 57UA UN5D N4D5 5764 DU43 4T3A DA46 65D7 76D4 7T53 AR K	CW	(EW)
P03	1-12	1935	6849	Thu	Polish intel.	PSK	(AB)
P03	1-12	1940	6849	Thu	Polish intel.	PSK	(AB)
P03	2-12	1935	6849	Fri	Polish intel.	PSK	(AB)
P03	2-12	1940	6849	Fri	Polish intel.	PSK	(AB)
P03	3-12	1935	6849	Sat	Polish intel.	PSK	(AB)
P03	3-12	1940	6849	Sat	Polish intel.	PSK	(AB)
P03	4-12	1935	6849	Sun	Polish intel.	PSK	(AB)
P03	4-12	1940	6849	Sun	Polish intel.	PSK	(AB)
P03	5-12	1935	6849	Mon	Polish intel.	PSK	(AB)
P03	5-12	1940	6849	Mon	Polish intel.	PSK	(AB)
P03	6-12	1935	6849	Tue	Polish intel.	PSK	(AB)
P03	6-12	1940	6849	Tue	Polish intel.	PSK	(AB)
P03	7-12	1935	6849	Wed	Polish intel.	PSK	(AB/MPJ)
P03	7-12	1940	6849	Wed	Polish intel.	PSK	(AB/MPJ)
P03	8-12	0430	6252	Thu	Polish intel.	PSK	(AB-POL)
P03	8-12	0435	6252	Thu	Polish intel.	PSK	(AB-POL)
P03	8-12	1935	6849	Thu	Polish intel.	PSK	(AB)
P03	8-12	1940	6849	Thu	Polish intel.	PSK	(AB)
P03	9-12	1935	6849	Fri	Polish intel.	PSK	(AB/MPJ)
P03	9-12	1940	6849	Fri	Polish intel.	PSK	(AB/MPJ)
P03	10-12	1935	6849	Sat	Polish intel.	PSK	(AB)
P03	10-12	1940	6849	Sat	Polish intel.	PSK	(AB)
P03	11-12	1935	6849	Sun	Polish intel.	PSK	(AB/MPJ)
P03	11-12	1940	6849	Sun	Polish intel.	PSK	(AB/MPJ)
P03	12-12	1935	6849	Mon	Polish intel.	PSK	(AB)
P03	12-12	1940	6849	Mon	Polish intel.	PSK	(AB)
P03	13-12	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	13-12	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	13-12	1935	6849	Tue	Polish intel.	PSK	(AB)
P03	13-12	1940	6849	Tue	Polish intel.	PSK	(AB)
P03	14-12	1935	6849	Wed	Polish intel.	PSK	(AB/MPJ)
P03	14-12	1940	6849	Wed	Polish intel.	PSK	(AB/MPJ)
P03	15-12	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	15-12	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	15-12	1935	6849	Thu	Polish intel.	PSK	(AB)
P03	15-12	1940	6849	Thu	Polish intel.	PSK	(AB)

P03	16-12	1935	6849	Fri	Polish intel.	PSK	(AB)
P03	16-12	1940	6849	Fri	Polish intel.	PSK	(AB)
P03	17-12	1935	6849	Sat	Polish intel.	PSK	(AB)
P03	17-12	1940	6849	Sat	Polish intel.	PSK	(AB)
P03	18-12	1935	6849	Sun	Polish intel.	PSK	(AB)
P03	18-12	1940	6849	Sun	Polish intel.	PSK	(AB)
P03	19-12	1935	6849	Mon	Polish intel.	PSK	(AB)
P03	19-12	1940	6849	Mon	Polish intel.	PSK	(AB)
P03	20-12	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	20-12	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	20-12	1935	6849	Tue	Polish intel.	PSK	(AB)
P03	20-12	1940	6849	Tue	Polish intel.	PSK	(AB)
P03	21-12	1935	6849	Wed	Polish intel.	PSK	(AB/MPJ)
P03	21-12	1940	6849	Wed	Polish intel.	PSK	(AB/MPJ)
P03	22-12	0430	6252	Thu	Polish intel.	PSK	(AB-POL)
P03	22-12	0435	6252	Thu	Polish intel.	PSK	(AB-POL)
P03	22-12	1935	6849	Thu	Polish intel.	PSK	(AB-POL)
P03	22-12	1940	6849	Thu	Polish intel.	PSK	(AB-POL)
P03	23-12	1935	6849	Fri	Polish intel.	PSK	(AB)
P03	23-12	1940	6849	Fri	Polish intel.	PSK	(AB)
P03	24-12	1935	6849	Sat	Polish intel.	PSK	(AB)
P03	24-12	1940	6849	Sat	Polish intel.	PSK	(AB)
P03	25-12	1935	6849	Sun	Polish intel.	PSK	(AB-POL)
P03	25-12	1940	6849	Sun	Polish intel.	PSK	(AB-POL)
P03	26-12	1935	6849	Mon	Polish intel.	PSK	(AB)
P03	26-12	1940	6849	Mon	Polish intel.	PSK	(AB)
P03	27-12	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	27-12	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	27-12	1935	6849	Tue	Polish intel.	PSK	(AB)
P03	27-12	1940	6849	Tue	Polish intel.	PSK	(AB)
P03	28-12	1935	6849	Wed	Polish intel.	PSK	(AB)
P03	28-12	1940	6849	Wed	Polish intel.	PSK	(AB)
P03	29-12	0430	6252	Thu	Polish intel.	PSK	(AB-POL)
P03	29-12	0435	6252	Thu	Polish intel.	PSK	(AB-POL)
P03	29-12	1935	6849	Thu	Polish intel.	PSK	(AB-POL)
P03	29-12	1940	6849	Thu	Polish intel.	PSK	(AB-POL)
P03	30-12	1935	6849	Fri	Polish intel.	PSK	(AB)
P03	30-12	1940	6849	Fri	Polish intel.	PSK	(AB)
P03	31-12	1935	6849	Sat	Polish intel.	PSK	(AB)
P03	31-12	1940	6849	Sat	Polish intel.	PSK	(AB)
P03e	2-12	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	2-12	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)

P03e	4-12	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	4-12	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	4-12	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	4-12	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	6-12	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	6-12	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	9-12	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	9-12	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	11-12	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	11-12	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	11-12	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	11-12	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	13-12	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	13-12	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	16-12	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	16-12	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	18-12	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	18-12	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	18-12	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	18-12	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	20-12	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	20-12	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	23-12	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	23-12	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	25-12	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	25-12	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	25-12	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	25-12	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	27-12	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	27-12	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	30-12	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	30-12	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03g	2-12	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	2-12	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7-12	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-12	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-12	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-12	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-12	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-12	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-12	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-12	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)

P03g	21-12	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-12	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	23-12	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	23-12	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	28-12	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	28-12	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	30-12	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-12	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03h	5-12	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	5-12	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	7-12	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	7-12	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	12-12	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	12-12	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	14-12	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	14-12	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	19-12	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	19-12	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	21-12	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	21-12	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	26-12	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	26-12	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	28-12	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	28-12	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	1-12	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	1-12	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	1-12	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	1-12	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	1-12	0800	14656	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	1-12	0805	14656	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	1-12	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	1-12	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6-12	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6-12	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6-12	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6-12	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	7-12	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	7-12	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	7-12	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	7-12	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	8-12	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	8-12	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)

P03i	8-12	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	8-12	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	8-12	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	8-12	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	13-12	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	13-12	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	13-12	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	13-12	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	13-12	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	13-12	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	14-12	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	14-12	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	14-12	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14-12	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	15-12	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	15-12	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	15-12	0725	9052	Thu	Polish intel. Off after a second	BPSK 62.5Bd/464bp	(AB/PY)
P03i	15-12	0730	9052	Thu	Polish intel. No transmission	BPSK 62.5Bd/464bp	(AB/PY)
P03i	15-12	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	15-12	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	20-12	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	20-12	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	20-12	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	20-12	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	20-12	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	20-12	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	21-12	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	21-12	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	21-12	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	21-12	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	22-12	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	22-12	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	22-12	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	22-12	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	22-12	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL/MPJ)
P03i	22-12	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL/MPJ)
P03i	27-12	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	27-12	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	27-12	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	27-12	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	27-12	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	27-12	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)

P03i	28-12	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	28-12	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	28-12	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	28-12	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	29-12	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	29-12	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	29-12	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	29-12	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03j	1-12	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	1-12	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	5-12	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	5-12	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	8-12	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	8-12	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	12-12	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	12-12	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	15-12	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	15-12	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	19-12	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	19-12	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	22-12	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	22-12	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	26-12	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	26-12	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	29-12	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	29-12	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	1-12	0530	10210	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-12	0535	10210	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-12	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-12	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-12	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-12	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-12	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-12	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-12	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-12	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-12	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	3-12	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	3-12	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	3-12	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	3-12	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-12	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	3-12	1800	4242	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	3-12	1805	4242	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-12	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-12	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-12	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-12	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-12	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-12	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-12	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	4-12	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	4-12	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-12	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-12	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-12	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-12	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-12	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-12	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-12	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-12	1800	4242	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	7-12	1805	4242	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	8-12	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	8-12	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	8-12	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-12	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-12	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-12	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-12	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-12	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-12	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-12	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-12	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	10-12	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	10-12	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10-12	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10-12	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-12	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-12	1800	4242	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10-12	1805	4242	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	11-12	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-12	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-12	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-12	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	11-12	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-12	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-12	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	11-12	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	11-12	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	11-12	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	11-12	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-12	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-12	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-HOL)
P03k	12-12	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-HOL)
P03k	12-12	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-12	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-12	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-12	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-12	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-12	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-12	1800	4242	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14-12	1805	4242	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	15-12	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	15-12	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	15-12	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-12	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-12	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-12	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-12	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-12	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-12	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-12	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-12	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	17-12	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	17-12	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-12	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-12	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-12	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-12	1800	4242	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-12	1805	4242	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	18-12	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-12	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-12	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-12	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-12	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-12	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	18-12	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	18-12	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	18-12	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	18-12	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	18-12	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-12	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-12	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	19-12	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	19-12	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-12	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-12	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-12	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	21-12	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-12	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-12	1800	4242	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	21-12	1805	4242	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	22-12	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	22-12	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	22-12	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-12	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-12	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-12	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-12	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	23-12	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-12	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-12	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-12	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-HOL)
P03k	24-12	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-HOL)
P03k	24-12	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-12	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-12	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-12	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-12	1800	4242	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-12	1805	4242	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-12	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	25-12	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	25-12	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-12	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-12	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-12	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-12	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	25-12	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)

P03k	25-12	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	25-12	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	25-12	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-12	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-12	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	26-12	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	26-12	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-12	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-12	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	27-12	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	28-12	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-12	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-12	1800	4242	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	28-12	1805	4242	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	29-12	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	29-12	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	29-12	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-12	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-12	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-12	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-12	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-12	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-12	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-12	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-12	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	31-12	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	31-12	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	31-12	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	31-12	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-12	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-12	1800	4242	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	31-12	1805	4242	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03l	2-12	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	2-12	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	3-12	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-12	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-12	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(MPJ)
P03l	4-12	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(MPJ)
P03l	7-12	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-12	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-12	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-12	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	10-12	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	10-12	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	11-12	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(MPJ)
P03I	11-12	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(MPJ)
P03I	14-12	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-12	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-12	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-12	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-12	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ-HOL)
P03I	17-12	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ-HOL)
P03I	18-12	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	18-12	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	21-12	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-12	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-12	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	23-12	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	24-12	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	24-12	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	25-12	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-12	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-12	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	28-12	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	30-12	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-12	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-12	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ-HOL)
P03I	31-12	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ-HOL)
P07	4-12	1500	6986	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	4-12	1510	6774	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	4-12	1520	5853	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	4-12	1530	5336	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	4-12	1540	5082	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	4-12	1550	4609	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	0745	10256	Tue	Russian intel. 4 blocks	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	0751	11431	Tue	Russian intel. 4 blocks	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	0757	12153	Tue	Russian intel. 4 blocks	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	0822	12153	Tue	Russian intel. 1000Hz test tone for 5s	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	0830	10256	Tue	Russian intel. no transmission	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	0835	11431	Tue	Russian intel. 1 block, audio stutter at the end	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	0840	12153	Tue	Russian intel. No transmission	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	1023	10256	Tue	Russian intel. Cut off during block #1	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	1030	10256	Tue	Russian intel. 1000Hz beep then P07 8 blocks, audio stutter at the end	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	1035	11431	Tue	Russian intel. 8 blocks, doubled delayed signal at the beginning, audio stutter at the end	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)

P07	6-12	1040	12153	Tue	Russian intel. 8 blocks, audio stutter at the end	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	1055	10256	Tue	Russian intel. 5 blocks	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	1100	11431	Tue	Russian intel. 5 blocks	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	6-12	1105	12153	Tue	Russian intel. 5 blocks	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	7-12	1500	6986	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	7-12	1510	6774	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	7-12	1520	5853	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	7-12	1530	5336	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	7-12	1540	5082	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	7-12	1550	4609	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	11-12	1500	6986	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	11-12	1510	6774	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	11-12	1520	5853	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	11-12	1530	5336	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	11-12	1540	5082	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	11-12	1550	4609	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	14-12	1500	6986	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	14-12	1510	6774	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	14-12	1520	5853	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	14-12	1530	5336	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	14-12	1540	5082	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	14-12	1550	4609	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	18-12	1500	6986	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	18-12	1510	6774	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	18-12	1520	5853	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	18-12	1530	5336	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	18-12	1540	5082	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	18-12	1550	4609	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	21-12	1500	6986	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	21-12	1510	6774	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	21-12	1520	5853	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	21-12	1530	5336	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	21-12	1540	5082	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	21-12	1550	4609	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(PY)
P07	25-12	1500	6986	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-12	1510	6774	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-12	1520	5853	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-12	1530	5336	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-12	1540	5082	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-12	1550	4609	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-12	1500	6986	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-12	1510	6774	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	28-12	1520	5853	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-12	1530	5336	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-12	1540	5082	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-12	1550	4609	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	12-12	1245	14676.5	Mon	4JL0 4JL0 4JL0 DE IKKV IFKV QSA? XXX	4+4 QPSK 75/3000 LSB	(EW)
Q26	12-12	1340	14676.5	Mon	79GF 79GF 79GF DE 1XFX 1XFX 1XFX QSA? XXX APUBIMFI	4+4 QPSK 75/3000 LSB	(EW)
Q26	17-12	1106	9251	Sat	V 6LML 6LML 6LML DE 19SE 19SE 19SE QSA3 X XYXYXYXYXYXY QSL1903 HR MSG GA 0075á91á18á1217á1904 ... QSL? QSL? QSL? QSL K	4+4 QPSK 75/3000 LSB	(EW)
Q26	17-12	1300	9153	Sat	F BNEC BNEC BNEC DE VSF70 VSF70 HR MSG TO YR PSE NOTE CY NR11!9 CK131 35 1217 1607 -- 890 203 017 326 314 004 ...	4+4 QPSK 75/3000 LSB	(EW)
Q26	29-12	1011	9114	Thu	XYXYWYXYXYXY QSL 1837 8VWG 8VWG 8VWG DE 196S 196S 196S	4+4 QPSK 75/3000 LSB	(EW)
RAv	29-12	0800	9163	Thu	Russian Air Force bomber net. Channel marker, changed to dashes at 0806z. Lots of transmitter noise. Off at 0837z	USB	(AB)
RAv	29-12	1322	9163	Thu	Russian Air Force bomber net. Katolik (Air Force Saratov) wkg aircraft 69360	USB	(AB)
RUS	7-12	1035	16258	Wed	Russian diplo	OFDM-121	(EW)
RUS	12-12	1305	10264	Mon	Russian diplo	OFDM-121	(AB)
S06	1-12	0400	11616	Thu	480 00000 480 973 64 19696 78494 07165 ... 91930 75793 07135 973 64 00000	USB	(Subilo)
S06	1-12	0420	9322	Thu	480 00000 480 973 64 19696 78494 07165 ... 91930 75793 07135 973 64 00000	USB	(Subilo)
S06	2-12	0400	11616	Fri	480 615 70 24884 82538 27437 ... 62744 01097 20679 615 70 00000	USB	(Subilo)
S06	2-12	0420	9322	Fri	480 615 70 24884 82538 27437 ... 62744 01097 20679 615 70 00000	USB	(Subilo)
S06	2-12	1900	7672	Fri	319 319 319 00000	USB	(AB/MPJ/HFD)
S06	2-12	2000	5457	Fri	319 319 319 00000 XP shut down sound	USB	(AB/HFD)
S06	5-12	0400	11616	Mon	480 729 51 86410 25887 75288 ... 50494 98637 01090 729 51 00000	USB	(Subilo)
S06	5-12	0420	9322	Mon	480 729 51 86410 25887 75288 ... 50494 98637 01090 729 51 00000	USB	(Subilo)
S06	6-12	0400	11616	Tue	480 513 62 79700 84518 84835 ... 99423 42460 72334 513 62 00000	USB	(Subilo)
S06	6-12	0420	9322	Tue	480 513 62 79700 84518 84835 ... 99423 42460 72334 513 62 00000	USB	(Subilo)
S06	7-12	0400	11616	Wed	480 629 51 08710 98914 78454 ... 91812 57356 54437 629 51 00000	USB	(Subilo)
S06	7-12	0420	9322	Wed	480 629 51 08710 98914 78454 ... 91812 57356 54437 629 51 00000	USB	(Subilo)
S06	8-12	0400	11616	Thu	480 735 61 27846 73423 14213 ... 72477 34178 53581 735 61 00000	USB	(Subilo)
S06	8-12	0420	9322	Thu	480 735 61 27846 73423 14213 ... 72477 34178 53581 735 61 00000	USB	(Subilo)
S06	9-12	0400	11616	Fri	480 129 53 65998 65040 23307 ... 64445 98267 10554 129 53 00000	USB	(Subilo)
S06	9-12	0420	9322	Fri	480 129 53 65998 65040 23307 ... 64445 98267 10554 129 53 00000	USB	(Subilo)
S06	12-12	0400	11616	Mon	480 637 54 16522 59989 50132 ... 07337 01040 52347 637 54 00000	USB	(Subilo)
S06	12-12	0420	9322	Mon	480 637 54 16522 59989 50132 ... 07337 01040 52347 637 54 00000	USB	(Subilo)
S06	13-12	0400	11616	Tue	480 519 62 86050 60336 17609 ... 34819 03332 18851 519 62 00000	USB	(Subilo)
S06	13-12	0420	9322	Tue	480 519 62 86050 60336 17609 ... 34819 03332 18851 519 62 00000	USB	(Subilo)
S06	14-12	0400	11616	Wed	480 362 51 38098 13815 39080 ... 94765 61758 74112 362 51 00000	USB	(Subilo)
S06	14-12	0420	9322	Wed	480 362 51 38098 13815 39080 ... 94765 61758 74112 362 51 00000	USB	(Subilo)
S06	15-12	0400	11616	Thu	480 715 63 03977 94455 63347 ... 91861 37061 04884 715 63 00000	USB	(Subilo)
S06	15-12	0420	9322	Thu	480 715 63 03977 94455 63347 ... 91861 37061 04884 715 63 00000	USB	(Subilo)
S06	16-12	0400	11616	Fri	480 236 51 18145 40487 66753 ... 67856 45914 25502 236 51 00000	USB	(Subilo)
S06	16-12	0420	9322	Fri	480 236 51 18145 40487 66753 ... 97402 18940 Off during group 32	USB	(Subilo)

S06	16-12	1900	7672	Fri	319 319 319 00000	USB	(AB/MPJ)
S06	16-12	2000	5457	Fri	319 319 319 00000	USB	(AB)
S06	19-12	0400	11616	Mon	480 971 63 74628 35614 28014 ... 25372 29143 26448 971 63 00000	USB	(Subilo)
S06	19-12	0420	9322	Mon	480 971 63 74628 35614 28014 ... 25372 29143 26448 971 63 00000	USB	(Subilo)
S06	20-12	0400	11616	Tue	480 523 61 44491 57245 93688 ... 07105 91464 32399 523 61 00000	USB	(Subilo)
S06	20-12	0420	9322	Tue	480 523 61 44491 57245 93688 ... 07105 91464 32399 523 61 00000	USB	(Subilo)
S06	21-12	0400	11616	Wed	480 679 52 81735 43349 71820 ... 83493 12789 37034 679 52 00000	USB	(Subilo)
S06	21-12	0420	9322	Wed	Stopped during the intro	USB	(Subilo)
S06	22-12	0400	11616	Thu	480 512 63 38394 91398 59351 ... 36213 03164 48816 512 63 00000	USB	(Subilo)
S06	22-12	0420	9322	Thu	480 512 63 38394 91398 59351 ... 36213 03164 48816 512 63 00000	USB	(Subilo)
S06	23-12	0400	11616	Fri	No transmission	USB	(Subilo)
S06	23-12	0420	9322	Fri	480 937 51 05145 29852 78278 ... 43749 46120 91865 937 51 00000	USB	(Subilo)
S06	26-12	0400	11616	Mon	No transmission	USB	(Subilo)
S06	26-12	0420	9322	Mon	480 651 70 60057 63633 65807 ... 62984 59794 15735 651 70 00000	USB	(Subilo)
S06	27-12	0400	11616	Tue	480 392 54 83193 94268 54682 ... 70344 82426 64706 392 54 00000	USB	(Subilo)
S06	27-12	0420	9322	Tue	480 392 54 83193 94268 54682 ... 70344 82426 64706 392 54 00000	USB	(Subilo)
S06	28-12	0400	11616	Wed	480 765 58 22142 61370 96057 ... 25111 66605 87857 765 58 00000	USB	(Subilo)
S06	28-12	0420	9322	Wed	480 765 58 22142 61370 96057 ... 25111 66605 87857 765 58 00000	USB	(Subilo)
S06	29-12	0400	11616	Thu	480 219 53 22142 61370 96057 ... 80407 94162 51675 219 53 00000	USB	(Subilo)
S06	29-12	0420	9322	Thu	480 219 53 22142 61370 96057 ... 80407 94162 51675 219 53 00000	USB	(Subilo)
S06	30-12	0400	11616	Fri	480 753 60 74820 14270 01372 ... 64377 53125 83532 753 60 00000	USB	(Subilo)
S06	30-12	0420	9322	Fri	480 753 60 74820 14270 01372 ... 64377 53125 83532 753 60 00000	USB	(Subilo)
S11a	1-12	0500	12530	Thu	383/00	USB	(AB-CYP)
S11a	1-12	0700	9050	Thu	470/00	USB	(AB)
S11a	2-12	0915	6252	Fri	482/00	USB	(AB)
S11a	2-12	1400	6252	Fri	421/00	USB	(AB/MPJ)
S11a	3-12	0830	5371	Sat	377/00	USB	(AB)
S11a	3-12	1850	11486	Sat	287/00 too weak to copy	USB	(AB-POL)
S11a	4-12	0830	5371	Sun	372/00	USB	(AB)
S11a	5-12	0510	9057	Mon	654/00	USB	(AB-POL)
S11a	5-12	0700	9050	Mon	479/00	USB	(AB)
S11a	5-12	0915	6252	Mon	487/00	USB	(AB-POL)
S11a	6-12	0500	12530	Tue	380/00	USB	(AB-CYP)
S11a	6-12	1400	6252	Tue	425/00	USB	(AB)
S11a	7-12	0510	9057	Wed	659/00	USB	(AB-POL)
S11a	7-12	1850	11486	Wed	287/00	USB	(AB-POL/MPJ)
S11a	8-12	0445	11559	Thu	797/00	USB	(AB-CYP)
S11a	8-12	0500	12530	Thu	385/00	USB	(AB-CYP)
S11a	8-12	0700	9050	Thu	479/00	USB	(AB)
S11a	9-12	0915	6252	Fri	480/00	USB	(AB)
S11a	9-12	1400	6252	Fri	420/00	USB	(AB)
S11a	10-12	0830	5371	Sat	378/00	USB	(AB)

S11a	11-12	0830	5371	Sun	372/00	USB	(AB)
S11a	12-12	0510	9057	Mon	654/00	USB	(AB-CYP/HFD)
S11a	12-12	0700	9050	Mon	471/38 Vnimanije 94138 90598 35584 ... 77136 74560 17624 Vnimanije (message repeated) Konets	USB	(AB)
S11a	12-12	0915	6252	Mon	483/00	USB	(AB)
S11a	13-12	1400	6252	Tue	425/39 Vnimanije 47683 90079 23820 ... 34810 69125 61905 Vnimanije (message repeated) Konets	USB	(AB/MPJ-HOL)
S11a	14-12	0510	9057	Wed	659/00	USB	(AB-POL)
S11a	14-12	1850	11486	Wed	284/00	USB	(AB/MPJ-HOL)
S11a	15-12	0445	11559	Thu	790/00	USB	(AB-POL)
S11a	15-12	0500	12530	Thu	381/39 Vnimanije 09573 78990 33756 ... 43072 81813 35324 Vnimanije (message repeated) Konets	USB	(AB-CYP)
S11a	15-12	0700	9050	Thu	471/38 Vnimanije 94138 90598 35584 ... 77136 74560 17624 Vnimanije (message repeated) Konets	USB	(AB)
S11a	16-12	0915	6252	Fri	487/00	USB	(AB)
S11a	16-12	1400	6252	Fri	425/39 Vnimanije 47683 90079 23820 ... 34810 69125 61905 Vnimanije (message repeated) Konets	USB	(AB)
S11a	17-12	0830	5371	Sat	376/39 Vnimanije 87827 72133 22841 ... 17367 09521 43031 Vnimanije (message repeated) Konets	USB	(AB)
S11a	17-12	1850	11486	Sat	281/00	USB	(AB)
S11a	18-12	0830	5371	Sun	376/39 Vnimanije 87827 72133 22841 ... 17367 09521 43031 Vnimanije (message repeated) Konets	USB	(AB)
S11a	19-12	0510	9057	Mon	654/35 Vnimanije 00919 95386 37600 ... 78548 55738 59648 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	19-12	0700	9050	Mon	477/00	USB	(AB)
S11a	19-12	0915	6252	Mon	482/34 Vnimanije 66713 76561 83762 ... 24410 59765 02549 Vnimanije (message repeated) Konets	USB	(AB)
S11a	20-12	0445	11559	Tue	794/40 Vnimanije 26814 36751 26577 ... 18299 39775 46863 Vnimanije (message repeated) Konets	USB	(AB-CYP)
S11a	20-12	0500	12530	Tue	383/00	USB	(AB-CYP)
S11a	20-12	1400	6252	Tue	427/00	USB	(AB)
S11a	21-12	0510	9057	Wed	654/35 Vnimanije 00919 95386 37600 ... 78548 55738 59648 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	21-12	1850	11486	Wed	282/31 Vnimanije 46251 36625 88570 ... 02485 67764 67974 Vnimanije (message repeated) Konets	USB	(MPJ-AUT)
S11a	22-12	0445	11559	Thu	794/40 Vnimanije 26814 36751 26577 ... 18299 39775 46863 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	22-12	0500	12530	Thu	380/00	USB	(AB-CYP)
S11a	22-12	0700	9050	Thu	476/00	USB	(AB)
S11a	23-12	0915	6252	Fri	482/34 Vnimanije 66713 76561 83762 ... 24410 59765 02549 Vnimanije (message repeated) Konets	USB	(AB)
S11a	23-12	1400	6252	Fri	425/00	USB	(AB/MPJ)
S11a	24-12	0830	5371	Sat	373/00	USB	(AB)

S11a	24-12	1850	11486	Sat	282/31 Vnimanaye 46251 36625 88570 ... 02485 67764 67974 Vnimanaye (message repeated) Konets	USB	(AB-POL)
S11a	25-12	0830	5371	Sun	378/00	USB	(AB)
S11a	26-12	0510	9057	Mon	659/00	USB	(AB-POL)
S11a	26-12	0700	9050	Mon	472/00	USB	(AB-POL)
S11a	26-12	0915	6252	Mon	487/00	USB	(AB)
S11a	27-12	0500	12530	Tue	382/00	USB	(AB-POL)
S11a	27-12	1400	6252	Tue	427/00	USB	(MPJ)
S11a	28-12	0510	9057	Wed	655/00	USB	(AB-POL)
S11a	28-12	1850	11486	Wed	283/00	USB	(MPJ-AUT)
S11a	29-12	0500	12530	Thu	387/00	USB	(AB-POL)
S11a	29-12	0700	9050	Thu	471/00	USB	(AB)
S11a	30-12	0915	6252	Fri	480/00	USB	(AB)
S11a	30-12	1400	6252	Fri	424/00	USB	(AB)
S11a	31-12	0830	5371	Sat	371/00	USB	(AB)
S28	15-12	2000	4612	Thu	Buzzer: Russian military channel marker. Spur	USB	(AB)
S28	19-12	1656	4625	Mon	Buzzer: Russian military Channel marker	USB	(AB)
S30	19-12	1655	3756	Mon	Pip: Russian military Channel marker	USB	(AB)
S32	19-12	1655	3364	Mon	Squeaky Wheel: Russian military Channel marker	USB	(AB)
UM04	1-12	0800	4735	Thu	VVVVV PROMRCh = 01 12 = 1000 0830 0880 1060 1540 ... 0800 0650 0700 0860 128 = AR	CW	(Subilo)
UM04	2-12	0800	4735	Fri	VVV VVV PROMRCh = 02 12 = 1000 0810 0860 1030 1510 ... 0800 0650 0690 0850 1270 = AR	CW	(AB-HNG/Subilo)
UM04	3-12	0800	4735	Sat	VVV VVV PROMRCh = 03 12 = 1000 0810 0860 1030 1510 ... 0800 0650 0690 0850 1270 = AR	CW	(AB-HNG/Subilo)
UM04	4-12	0800	4735	Sun	VVV VVV PROMRCh = 04 12 = 1000 0810 0860 1030 1510 ... 0800 0650 0690 0850 1270 = AR	CW	(Subilo)
UM04	5-12	0800	4735	Mon	VVV VVV PROMRCh = 05 12 = 1000 0790 0850 1020 1490 ... 0800 0630 0580 0830 1240 = AR	CW	(Subilo)
UM04	6-12	0800	4735	Tue	VVV VVV = PROMRCh =0612= 1000 0790 0850 1020 1490 ... 0800 0620 0670 0820 1230 = AR	CW	(AB-GRC/Subilo)
UM04	7-12	0800	4735	Wed	VVVVV PROMRCh = 07 12 = 1000 0780 0840 1010 1490 ... 0800 0620 0660 0810 1210 = AR	CW	(Subilo)
UM04	8-12	0818	4735	Thu	VVVVV PROMRCh = 08 12 = 1000 0790 0850 1020 1500 ... 0800 0610 0660 0810 1210 = AR Very late start	CW	(AB-GRC/Subilo)
UM04	9-12	0800	4735	Fri	VVV VVV PROMRCh = 0912 = 1000 0790 0850 1020 1500 ... 0800 0610 0660 0810 1210 = AR	CW	(AB-HNG/Subilo)
UM04	10-12	0800	4735	Sat	VVV VVV PROMRCh = 10 12 = 1000 0800 0860 1030 1530 ... 0800 0610 0660 0800 1200 = AR	CW	(AB-HNG/Subilo)
UM04	11-12	0800	4735	Sun	VVVVV PROMRCh = 11 12 = 1000 0800 0860 1030 1530 ... 0800 0610 0660 0800 1210 = AR	CW	(AB-HNG/Subilo)

UM04	12-12	0800	4735	Mon	VVV VVV PROMRCh = 12 12 = 1000 0800 0860 1030 1530 ... 0800 0610 0660 0800 1200 = AR	CW	(Subilo)
UM04	13-12	0800	4735	Tue	VVVVV PROMRCh = 13 12 = 1000 0820 0860 1040 1530 ... 0800 0600 0640 0790 1170 = AR	CW	(AB-HNG/Subilo)
UM04	14-12	0800	4735	Wed	VVV VVV PROMRCh = 14 12 = 1000 0820 0870 1040 1540 ... 1800 0420 0450 (re- corder stopped)	CW	(Subilo)
UM04	15-12	0800	4735	Thu	VVVVV PROMRCh = 15 12 = 1000 0830 0880 1050 1550 ... 0800 0590 0630 0770 1150 = AR	CW	(Subilo)
UM04	16-12	0800	4735	Fri	VVV VVV PROMRCh = 16 12 = 1000 0820 0880 1060 1550 ... 0800 0580 0630 0770 1150 = AR	CW	(AB-HNG/Subilo)
UM04	17-12	0800	4735	Sat	No transmission	CW	(AB-HNG/Subilo)
UM04	18-12	0800	4735	Sun	No transmission	CW	(AB-HNG/Subilo)
UM04	20-12	0800	4735	Tue	VVV VVVV PROMRCh = 2012 = 1000 0850 0910 1080 1580 ... 0800 0580 0620 0760 1120 = AR	CW	(AB-HNG/Subilo)
UM04	21-12	0800	4735	Wed	VVVVV PROMRCh = 21 12 = 1000 0850 0900 1080 1580 ... 0800 0580 0620 0750 1120 = AR	CW	(Subilo)
UM04	22-12	0800	4735	Thu	VVV VVV PROMRCh = 22 12 = 1000 0830 0880 1060 1560 ... 0800 0580 0620 0750 1120 = AR	CW	(Subilo)
UM04	23-12	0800	4735	Fri	VVV VVV = PROMRCh = 23 12 = 1000 0850 0910 1090 1590 ... 0800 0580 0620 0760 1120 = AR	CW	(AB-HNG/Subilo)
UM04	24-12	0800	4735	Sat	VVVVV PROMRCh = 24 12 = 1000 0830 0880 1070 1570 ... 0800 0580 0620 0750 1110 = AR	CW	(AB-HNG/Subilo)
UM04	25-12	0800	4735	Sun	VVV VVVV PROMRCh = 25 12 = 1000 0860 0910 1090 1600 ... 0800 0580 0620 0750 1120 = AR	CW	(Subilo)
UM04	26-12	0800	4735	Mon	VVVVV PROMRCh = 26 12 = 1000 0840 0890 1080 1590 ... 0800 0570 0610 0750 1110 = AR	CW	(AB-HNG/Subilo)
UM04	27-12	0800	4735	Tue	VVV VVV PROMRCh = 27 12 = 1000 0870 0920 1100 1610 ... 0800 0570 0620 0750 1110 = AR	CW	(AB-HNG/Subilo)
UM04	28-12	0800	4735	Wed	VVVVV PROMRCh = 28 12 = 1000 0860 0920 1100 1610 ... 0800 0570 0610 0750 1010 = AR	CW	(Subilo)
UM04	29-12	0800	4735	Thu	VVV VVV = PROMRCh = 29 12 = 1000 0870 0920 1100 1610 ... 0800 0570 0610 0740 1110 = AR	CW	(Subilo)
UM04	30-12	0800	4735	Fri	VVV VVV = PROMRCh = 30 12 1000 0860 0920 1000 1600 ... 0800 0570 0610 0740 1110 = AR	CW	(AB-HNG/Subilo)
UM04	31-12	0800	4735	Sat	VVV VVV PROMRCh = 31 12 = 1000 0860 0910 1090 1600 ... 0800 0570 0610 0740 1110 = AR	CW	(AB-HNG/Subilo)
V07	4-12	0100	11594	Sun	571 571 571 1 6038 90 6038 90 00882 09724 62031 ... 27123 31825 07892 000 000	USB	(Dan-J/HFD-USA)
V07	4-12	0120	10794	Sun	571 571 571 1 6038 90 6038 90 00882 09724 62031 ... 27123 31825 07892 000 000		(HFD-USA)
V07	4-12	0140	10194	Sun	571 571 571 1 6038 90 6038 90 00882 09724 62031 ... 27123 31825 07892 000 000		(HFD-USA)
V07	11-12	0100	11594	Sun	571 571 571 1 3222 9? 31269 52701 175?8 210?3 21776 8872? 19639 13616 43015 86377 000 000	USB	(Dan-J)
V07	18-12	0100	11594	Sun	571 571 571 1 7197 104 22??? 27402 17566 16618 43078 13383 51361 000 000	USB	(Dan-J)
V13	7-12	1330	11430	Wed	New Star Broadcasting	USB	(AB)

V13	8-12	1300	7688	Thu	New Star Broadcasting	USB	(AB)
V13	8-12	1300	11430	Thu	New Star Broadcasting	USB	(AB)
V13	8-12	1330	7688	Thu	New Star Broadcasting	USB	(AB)
V13	8-12	1330	11430	Thu	New Star Broadcasting	USB	(AB)
VC01	12-12	1638	6569	Mon	Chinese Air Defense aka Chinese Robot	USB	(AB)
VC01	16-12	1632	6569	Fri	Chinese Air Defense aka Chinese Robot	USB	(AB)
VC03	12-12	1010	12778	Mon	i.p. 22 21 0765 9833 9802 9806 17 1800 1514 2503 44 2003 7303... 0815 8144 1313 The message was 6x repeated	USB	(EW)
VC03	12-12	1014	12450	Mon	22 21 0765 9833 9802 9806 17 1800 1514 2503 44 2003 7303... 0815 8144 1313 The message was 6x repeated	USB	(EW)
X06	1-12	1346	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB/RO)
X06	5-12	0838	12152	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(AB/Moon)
X06	5-12	0954	11438	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(Moon)
X06	6-12	0930	14356	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(Moon)
X06	6-12	0959	20336	Tue	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(Moon)
X06	6-12	1030	17421	Tue	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(AB)
X06	7-12	0732	14683	Wed	MFA Moscow clg 364152: Russian embassy New Delhi	MFSK-6	(AB)
X06	8-12	0811	16153	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(AB/Moon)
X06	8-12	0847	7988	Thu	MFA Moscow clg 561243: Russian embassy Helsinki	MFSK-6	(AB/RO)
X06	9-12	0925	12177	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB)
X06	11-12	1047	15810	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(AB)
X06	12-12	0819	20690	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Moon)
X06	12-12	0828	20690	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Moon)
X06	12-12	0905	11424	Mon	MFA Moscow clg 421635: Russian embassy Oslo	MFSK-6	(AB/Moon)
X06	12-12	1012	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB/Moon)
X06	13-12	0823	16257	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB/Moon)
X06	13-12	0834	14861	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB/RO)
X06	13-12	1023	14861	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(Moon)
X06	13-12	1027	14861	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(Moon)
X06	15-12	0926	18197	Thu	MFA Moscow clg 645321: Russian embassy Ho Chi Minh City	MFSK-6	(Moon)
X06	16-12	1018	14820	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv. Moved to 14824 kHz at 1023z	MFSK-6	(AB)
X06	16-12	1023	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(AB)
X06	16-12	1312	16320	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(AB)
X06	19-12	0750	12112	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(AB/RO)
X06	19-12	0913	13395	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(Moon)
X06	19-12	0934	20675	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(Moon)
X06	20-12	0941	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/RO/Moon)
X06	20-12	0944	17421	Tue	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(AB/Moon)
X06	20-12	1152	16188	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(AB/RO)
X06	21-12	1131	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB)
X06	22-12	0754	12126	Thu	MFA Moscow clg 521634: Russian embassy Bucharest	MFSK-6	(AB/RXR)
X06	22-12	0810	16153	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(AB/RO)

X06	23-12	1008	17463	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(AB/RO/RXR)
X06	28-12	0836	11483	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB/RXR)
X06	28-12	0837	18245	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(RXR)
X06	28-12	0838	11431	Wed	MFA Moscow clg 412356: Russian embassy Budapest (spurious transmission)	MFSK-6	(AB)
X06	28-12	0854	18245	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(AB)
X06	28-12	0855	16116	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(AB)
X06	28-12	0930	11153	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(AB/RO)
X06	28-12	0938	18245	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(AB)
X06b	7-12	1224	10550	Wed	116111	MFSK-6	(AB)
X06b	28-12	1023	18240	Wed	611616	MFSK-6	(AB/RO)
XPA1	2-12	1310	13465	Fri	412 412 412 000 08083 00001 00000 32670	MFSK-20/10Bd	(AB/MPJ/HFD)
XPA1	2-12	1330	12165	Fri	412 412 412 000 08083 00001 00000 32670	MFSK-20/10Bd	(AB/MPJ/HFD)
XPA1	2-12	1350	10265	Fri	412 412 412 000 08083 00001 00000 32670	MFSK-20/10Bd	(AB/MPJ/HFD)
XPA1	5-12	1105	10256	Mon	Short 1000Hz tone then seamlessly into XPA, mangled intro and audio stutter at the end resulted in an incorrect decoded message 15979888846891	MFSK-20/10Bd	(PY)
XPA1	7-12	1310	13465	Wed	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB)
XPA1	7-12	1330	12165	Wed	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB)
XPA1	7-12	1350	10265	Wed	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB)
XPA1	9-12	1310	13465	Fri	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB)
XPA1	9-12	1330	12165	Fri	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB)
XPA1	9-12	1350	10265	Fri	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB)
XPA1	14-12	1310	13465	Wed	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB)
XPA1	14-12	1330	12165	Wed	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB)
XPA1	14-12	1350	10265	Wed	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB)
XPA1	16-12	1310	13465	Fri	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB/MPJ)
XPA1	16-12	1330	12165	Fri	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB/MPJ)
XPA1	16-12	1350	10265	Fri	412 412 412 1 00198 00076 71485 ... 79870 94283 22004	MFSK-20/10Bd	(AB/MPJ)
XPA1	21-12	1310	13465	Wed	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB)
XPA1	21-12	1330	12165	Wed	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB)
XPA1	21-12	1350	10265	Wed	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB)
XPA1	23-12	1310	13465	Fri	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB/MPJ)
XPA1	23-12	1330	12165	Fri	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB/MPJ)
XPA1	23-12	1350	10265	Fri	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB/MPJ)
XPA1	28-12	1310	13465	Wed	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB/MPJ)
XPA1	28-12	1330	12165	Wed	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB/MPJ)
XPA1	28-12	1350	10265	Wed	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB/MPJ)
XPA1	30-12	1310	13465	Fri	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB)
XPA1	30-12	1330	12165	Fri	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB)
XPA1	30-12	1350	10265	Fri	412 412 412 1 00302 00068 84944 ... 34938 61536 51676	MFSK-20/10Bd	(AB)
XPA2	1-12	0600	9281	Thu	01683 00001 00000 35661	MFSK-16/20Bd	(AB/HFD)
XPA2	1-12	0620	10481	Thu	01683 00001 00000 35661	MFSK-16/20Bd	(AB/HFD)
XPA2	1-12	0640	11481	Thu	01683 00001 00000 35661	MFSK-16/20Bd	(AB/HFD)

XPA2	1-12	0910	13919	Thu	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB)
XPA2	1-12	0930	11519	Thu	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB)
XPA2	1-12	0950	10719	Thu	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB)
XPA2	1-12	1100	11579	Thu	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	1-12	1120	10979	Thu	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	1-12	1140	10279	Thu	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	1-12	1350	14461	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	1-12	1400	15856	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	1-12	1410	14767	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	1-12	1600	8184	Thu	05188 00001 00000 31666	MFSK-16/20Bd	(AB/HFD)
XPA2	1-12	1620	7684	Thu	05188 00001 00000 31666	MFSK-16/20Bd	(AB/HFD)
XPA2	1-12	1640	6784	Thu	05188 00001 00000 31666	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	0900	16347	Fri	06891 00001 00000 35667	MFSK-16/20Bd	(AB/HFD-RUS)
XPA2	2-12	0920	18247	Fri	06891 00001 00000 35667	MFSK-16/20Bd	(AB/HFD-RUS)
XPA2	2-12	0940	19547	Fri	06891 00001 00000 35667	MFSK-16/20Bd	(AB-AUT/HFD-RUS)
XPA2	2-12	1100	9265	Fri	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1100	20836	Fri	Message	MFSK-16/20Bd	(PY/T101)
XPA2	2-12	1110	19372	Fri	Message	MFSK-16/20Bd	(PY/T101)
XPA2	2-12	1120	8165	Fri	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1120	18493	Fri	Message	MFSK-16/20Bd	(PY/T101)
XPA2	2-12	1130	17451	Fri	Message	MFSK-16/20Bd	(PY/T101)
XPA2	2-12	1140	7665	Fri	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1140	16166	Fri	Message	MFSK-16/20Bd	(PY/T101)
XPA2	2-12	1150	15956	Fri	Message	MFSK-16/20Bd	(PY/T101)
XPA2	2-12	1200	14841	Fri	00323 00178 31669 ... 91121 91657 63660	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1200	20538	Fri	05132 00192 37924 ... 08852 93308 75610	MFSK-16/20Bd	(HFD)
XPA2	2-12	1210	19909	Fri	05132 00192 37924 ... 08852 93308 75610	MFSK-16/20Bd	(HFD)
XPA2	2-12	1220	16241	Fri	Off after 2 mins.	MFSK-16/20Bd	(AB)
XPA2	2-12	1220	18662	Fri	05132 00192 37924 ... 08852 93308 75610	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1230	17421	Fri	05132 00192 37924 ... 08852 93308 75610	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1240	18241	Fri	00323 00178 31669 ... 91121 91657 63660	MFSK-16/20Bd	(AB)
XPA2	2-12	1240	16246	Fri	05132 00192 37924 ... 08852 93308 75610	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1250	15863	Fri	05132 00192 37924 ... 08852 93308 75610	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1300	19169	Fri	06164 00175 52770 ... 93188 17478 66135	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1310	18252	Fri	06164 00175 52770 ... 93188 17478 66135	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1320	17423	Fri	06164 00175 52770 ... 93188 17478 66135	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1330	16076	Fri	06164 00175 52770 ... 93188 17478 66135	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1340	15894	Fri	06164 00175 52770 ... 93188 17478 66135	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1350	14461	Fri	06164 00175 52770 ... 93188 17478 66135	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1400	15856	Fri	03238 00149 94871 ... 56682 07057 54566	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1410	14767	Fri	03238 00149 94871 ... 56682 07057 54566	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1420	13428	Fri	03238 00149 94871 ... 56682 07057 54566	MFSK-16/20Bd	(AB/HFD)

XPA2	2-12	1430	12183	Fri	03238 00149 94871 ... 56682 07057 54566	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1440	11477	Fri	03238 00149 94871 ... 56682 07057 54566	MFSK-16/20Bd	(AB/HFD)
XPA2	2-12	1450	10227	Fri	03238 00149 94871 ... 56682 07057 54566	MFSK-16/20Bd	(AB/HFD)
XPA2	3-12	0910	13919	Sat	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB/HFD)
XPA2	3-12	0930	11519	Sat	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB/HFD)
XPA2	3-12	0950	10719	Sat	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB/HFD)
XPA2	3-12	1100	20836	Sat	05019 00150 39053 ... 70919 84196 50444	MFSK-16/20Bd	(AB)
XPA2	3-12	1110	19372	Sat	05019 00150 39053 ... 70919 84196 50444	MFSK-16/20Bd	(AB)
XPA2	3-12	1120	18493	Sat	05019 00150 39053 ... 70919 84196 50444	MFSK-16/20Bd	(AB)
XPA2	3-12	1130	17451	Sat	05019 00150 39053 ... 70919 84196 50444	MFSK-16/20Bd	(AB)
XPA2	3-12	1140	16166	Sat	05019 00150 39053 ... 70919 84196 50444	MFSK-16/20Bd	(AB)
XPA2	3-12	1150	15956	Sat	05019 00150 39053 ... 70919 84196 50444	MFSK-16/20Bd	(AB)
XPA2	3-12	1200	20538	Sat	01337 00107 34957 ... 12361 20984 40345	MFSK-16/20Bd	(AB)
XPA2	3-12	1210	19909	Sat	01337 00107 34957 ... 12361 20984 40345	MFSK-16/20Bd	(AB)
XPA2	3-12	1220	18662	Sat	01337 00107 34957 ... 12361 20984 40345	MFSK-16/20Bd	(AB)
XPA2	3-12	1230	17421	Sat	01337 00107 34957 ... 12361 20984 40345	MFSK-16/20Bd	(AB)
XPA2	3-12	1240	16246	Sat	01337 00107 34957 ... 12361 20984 40345	MFSK-16/20Bd	(AB)
XPA2	3-12	1250	15863	Sat	01337 00107 34957 ... 12361 20984 40345	MFSK-16/20Bd	(AB)
XPA2	3-12	1300	19169	Sat	01639 00203 43747 ... 44017 65745 44572	MFSK-16/20Bd	(AB)
XPA2	3-12	1310	18252	Sat	01639 00203 43747 ... 44017 65745 44572	MFSK-16/20Bd	(AB)
XPA2	3-12	1320	17423	Sat	01639 00203 43747 ... 44017 65745 44572	MFSK-16/20Bd	(AB)
XPA2	3-12	1330	16076	Sat	01639 00203 43747 ... 44017 65745 44572	MFSK-16/20Bd	(AB)
XPA2	3-12	1340	15894	Sat	01639 00203 43747 ... 44017 65745 44572	MFSK-16/20Bd	(AB)
XPA2	3-12	1350	14461	Sat	01639 00203 43747 ... 44017 65745 44572	MFSK-16/20Bd	(AB)
XPA2	3-12	1400	15856	Sat	01111 00230 23333 ... 82632 25860 76125	MFSK-16/20Bd	(AB)
XPA2	3-12	1410	14767	Sat	01111 00230 23333 ... 82632 25860 76125	MFSK-16/20Bd	(AB)
XPA2	3-12	1420	13428	Sat	01111 00230 23333 ... 82632 25860 76125	MFSK-16/20Bd	(AB)
XPA2	3-12	1430	12183	Sat	01111 00230 23333 ... 82632 25860 76125	MFSK-16/20Bd	(AB)
XPA2	3-12	1440	11477	Sat	01111 00230 23333 ... 82632 25860 76125	MFSK-16/20Bd	(AB)
XPA2	3-12	1450	10227	Sat	01111 00230 23333 ... 82632 25860 76125	MFSK-16/20Bd	(AB)
XPA2	3-12	1600	6984	Sat	00260 00237 89095 ... 11723 65297 41047	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-12	1620	5884	Sat	00260 00237 89095 ... 11723 65297 41047	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-12	1640	4784	Sat	00260 00237 89095 ... 11723 65297 41047	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-12	0900	16347	Sun	04639 00001 00000 40657	MFSK-16/20Bd	(AB)
XPA2	4-12	0920	18247	Sun	04639 00001 00000 40657	MFSK-16/20Bd	(AB)
XPA2	4-12	0940	19547	Sun	04639 00001 00000 40657	MFSK-16/20Bd	(AB)
XPA2	4-12	1100	20836	Sun	02398 00116 96870... 18856 00063 54300	MFSK-16/20Bd	(AB)
XPA2	4-12	1110	19372	Sun	02398 00116 96870... 18856 00063 54300	MFSK-16/20Bd	(AB)
XPA2	4-12	1120	18493	Sun	02398 00116 96870... 18856 00063 54300	MFSK-16/20Bd	(AB)
XPA2	4-12	1130	17451	Sun	02398 00116 96870... 18856 00063 54300	MFSK-16/20Bd	(AB)
XPA2	4-12	1140	16166	Sun	02398 00116 96870... 18856 00063 54300	MFSK-16/20Bd	(AB)
XPA2	4-12	1150	15956	Sun	02398 00116 96870... 18856 00063 54300	MFSK-16/20Bd	(AB)

XPA2	4-12	1200	20538	Sun	07217 00238 44241 ... 51501 94322 76540	MFSK-16/20Bd	(AB)
XPA2	4-12	1200	10807	Sun	08309 00262 53630 ... 61384 33837 75270	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-12	1210	19909	Sun	07217 00238 44241 ... 51501 94322 76540	MFSK-16/20Bd	(AB)
XPA2	4-12	1220	18662	Sun	07217 00238 44241 ... 51501 94322 76540	MFSK-16/20Bd	(AB)
XPA2	4-12	1220	12207	Sun	08309 00262 53630 ... 61384 33837 75270	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-12	1230	17421	Sun	07217 00238 44241 ... 51501 94322 76540	MFSK-16/20Bd	(AB)
XPA2	4-12	1240	16246	Sun	07217 00238 44241 ... 51501 94322 76540	MFSK-16/20Bd	(AB)
XPA2	4-12	1240	13507	Sun	08309 00262 53630 ... 61384 33837 75270	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-12	1250	15863	Sun	07217 00238 44241 ... 51501 94322 76540	MFSK-16/20Bd	(AB)
XPA2	4-12	1300	19169	Sun	06566 00184 91871 ... 56725 24671 40014	MFSK-16/20Bd	(AB)
XPA2	4-12	1310	18252	Sun	not heard	MFSK-16/20Bd	(AB)
XPA2	4-12	1320	17423	Sun	06566 00184 91871 ... 56725 24671 40014	MFSK-16/20Bd	(AB)
XPA2	4-12	1330	16076	Sun	06566 00184 91871 ... 56725 24671 40014	MFSK-16/20Bd	(AB)
XPA2	4-12	1340	15894	Sun	06566 00184 91871 ... 56725 24671 40014	MFSK-16/20Bd	(AB)
XPA2	4-12	1350	14461	Sun	06566 00184 91871 ... 56725 24671 40014	MFSK-16/20Bd	(AB)
XPA2	4-12	1400	15856	Sun	09592 00108 18584 ... 39305 61576 57700	MFSK-16/20Bd	(AB)
XPA2	4-12	1410	14767	Sun	09592 00108 18584 ... 39305 61576 57700	MFSK-16/20Bd	(AB)
XPA2	4-12	1420	13428	Sun	09592 00108 18584 ... 39305 61576 57700	MFSK-16/20Bd	(AB)
XPA2	4-12	1430	12183	Sun	09592 00108 18584 ... 39305 61576 57700	MFSK-16/20Bd	(AB)
XPA2	4-12	1440	11477	Sun	09592 00108 18584 ... 39305 61576 57700	MFSK-16/20Bd	(AB)
XPA2	4-12	1450	10227	Sun	09592 00108 18584 ... 39305 61576 57700	MFSK-16/20Bd	(AB)
XPA2	5-12	0800	11493	Mon	00465 00098 34397 ... 24160 65992 14550	MFSK-16/20Bd	(AB)
XPA2	5-12	0820	13393	Mon	00465 00098 34397 ... 24160 65992 14550	MFSK-16/20Bd	(AB)
XPA2	5-12	0840	13993	Mon	00465 00098 34397 ... 24160 65992 14550	MFSK-16/20Bd	(AB)
XPA2	5-12	0910	13562	Mon	05391 00001 00000 33266	MFSK-16/20Bd	(AB)
XPA2	5-12	0930	11583	Mon	05391 00001 00000 33266	MFSK-16/20Bd	(AB)
XPA2	5-12	0950	10281	Mon	05391 00001 00000 33266	MFSK-16/20Bd	(AB)
XPA2	5-12	1100	20836	Mon	03808 00195 35556 ... 11511 89216 33310	MFSK-16/20Bd	(AB)
XPA2	5-12	1110	19372	Mon	03808 00195 35556 ... 11511 89216 33310	MFSK-16/20Bd	(AB)
XPA2	5-12	1120	18493	Mon	03808 00195 35556 ... 11511 89216 33310	MFSK-16/20Bd	(AB)
XPA2	5-12	1126	10256	Mon	10s callup, audio stutters at the end resulting in a incorrect decoded message: 4025665196815979888846891	MFSK-16/20Bd	(PY)
XPA2	5-12	1130	17451	Mon	03808 00195 35556 ... 11511 89216 33310	MFSK-16/20Bd	(AB)
XPA2	5-12	1140	16166	Mon	03808 00195 35556 ... 11511 89216 33310	MFSK-16/20Bd	(AB)
XPA2	5-12	1150	15956	Mon	03808 00195 35556 ... 11511 89216 33310	MFSK-16/20Bd	(AB)
XPA2	5-12	1200	20538	Mon	04628 00080 88786 ... 60708 60886 32667	MFSK-16/20Bd	(AB)
XPA2	5-12	1210	19909	Mon	04628 00080 88786 ... 60708 60886 32667	MFSK-16/20Bd	(AB)
XPA2	5-12	1215	10256	Mon	00494 00027 33015 ... 55817 98182 77352. Audio stutters at the end	MFSK-16/20Bd	(T101)
XPA2	5-12	1220	18662	Mon	04628 00080 88786 ... 60708 60886 32667	MFSK-16/20Bd	(AB)
XPA2	5-12	1230	17421	Mon	04628 00080 88786 ... 60708 60886 32667	MFSK-16/20Bd	(AB)
XPA2	5-12	1235	10256	Mon	00494 00027 33015 ... 55817 98182 77352. Audio stutters at the end	MFSK-16/20Bd	(PY)
XPA2	5-12	1240	16246	Mon	04628 00080 88786 ... 60708 60886 32667	MFSK-16/20Bd	(AB)

XPA2	5-12	1240	11431	Mon	00494 00027 33015 ... 55817 98182 77352. Audio stutters at the end	MFSK-16/20Bd	(PY)
XPA2	5-12	1245	12153	Mon	00494 00027 33015 ... 10141 55817 817 off	MFSK-16/20Bd	(AB)
XPA2	5-12	1250	15863	Mon	04628 00080 88786 ... 60708 60886 32667	MFSK-16/20Bd	(AB)
XPA2	5-12	1300	19169	Mon	08537 00156 26081 ... 19014 89456 75163	MFSK-16/20Bd	(AB)
XPA2	5-12	1310	18252	Mon	08537 00156 26081 ... 19014 89456 75163	MFSK-16/20Bd	(AB)
XPA2	5-12	1320	17423	Mon	08537 00156 26081 ... 19014 89456 75163	MFSK-16/20Bd	(AB)
XPA2	5-12	1330	16076	Mon	08537 00156 26081 ... 19014 89456 75163	MFSK-16/20Bd	(AB)
XPA2	5-12	1340	15894	Mon	08537 00156 26081 ... 19014 89456 75163	MFSK-16/20Bd	(AB)
XPA2	5-12	1350	14461	Mon	08537 00156 26081 ... 19014 89456 75163	MFSK-16/20Bd	(AB)
XPA2	5-12	1400	15856	Mon	06132 00231 91291 ... 73016 84971 10460	MFSK-16/20Bd	(AB)
XPA2	5-12	1410	14767	Mon	06132 00231 91291 ... 73016 84971 10460	MFSK-16/20Bd	(AB)
XPA2	5-12	1420	13428	Mon	06132 00231 91291 ... 73016 84971 10460	MFSK-16/20Bd	(AB)
XPA2	5-12	1430	12183	Mon	06132 00231 91291 ... 73016 84971 10460	MFSK-16/20Bd	(AB)
XPA2	5-12	1440	11477	Mon	06132 00231 91291 ... 73016 84971 10460	MFSK-16/20Bd	(AB)
XPA2	5-12	1450	10227	Mon	06132 00231 91291 ... 73016 84971 10460	MFSK-16/20Bd	(AB)
XPA2	5-12	1600	6984	Mon	05757 00263 73795 ... 41140 72617 11625	MFSK-16/20Bd	(AB)
XPA2	5-12	1620	5884	Mon	05757 00263 73795 ... 41140 72617 11625	MFSK-16/20Bd	(AB)
XPA2	5-12	1640	4784	Mon	05757 00263 73795 ... 41140 72617 11625	MFSK-16/20Bd	(AB)
XPA2	6-12	0600	9281	Tue	08572 00099 43459 ... 20614 32682 10334	MFSK-16/20Bd	(AB)
XPA2	6-12	0620	10481	Tue	08572 00099 43459 ... 20614 32682 10334	MFSK-16/20Bd	(AB)
XPA2	6-12	0640	11481	Tue	08572 00099 43459 ... 20614 32682 10334	MFSK-16/20Bd	(AB)
XPA2	6-12	1100	9265	Tue	01941 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	6-12	1100	20836	Tue	09455 00281 17206 ... 93533 25915 65622	MFSK-16/20Bd	(AB)
XPA2	6-12	1110	19372	Tue	09455 00281 17206 ... 93533 25915 65622	MFSK-16/20Bd	(AB)
XPA2	6-12	1120	8165	Tue	01941 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	6-12	1120	18493	Tue	09455 00281 17206 ... 93533 25915 65622	MFSK-16/20Bd	(AB)
XPA2	6-12	1130	17451	Tue	09455 00281 17206 ... 93533 25915 65622	MFSK-16/20Bd	(AB)
XPA2	6-12	1140	7665	Tue	01941 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	6-12	1140	16166	Tue	09455 00281 17206 ... 93533 25915 65622	MFSK-16/20Bd	(AB)
XPA2	6-12	1150	15956	Tue	09455 00281 17206 ... 93533 25915 65622	MFSK-16/20Bd	(AB)
XPA2	6-12	1200	10807	Tue	00226 00204 77782 ... 36703 09000 40371	MFSK-16/20Bd	(AB)
XPA2	6-12	1200	20538	Tue	not heard	MFSK-16/20Bd	(AB)
XPA2	6-12	1210	19909	Tue	09909 00298 23077 ... 95887 64825 11054	MFSK-16/20Bd	(AB)
XPA2	6-12	1220	12207	Tue	00226 00204 77782 ... 36703 09000 40371	MFSK-16/20Bd	(AB)
XPA2	6-12	1220	18662	Tue	09909 00298 23077 ... 95887 64825 11054	MFSK-16/20Bd	(AB)
XPA2	6-12	1230	17421	Tue	09909 00298 23077 ... 95887 64825 11054	MFSK-16/20Bd	(AB)
XPA2	6-12	1240	13507	Tue	00226 00204 77782 ... 36703 09000 40371	MFSK-16/20Bd	(AB)
XPA2	6-12	1240	16246	Tue	09909 00298 23077 ... 95887 64825 11054	MFSK-16/20Bd	(AB)
XPA2	6-12	1250	15863	Tue	09909 00298 23077 ... 95887 64825 11054	MFSK-16/20Bd	(AB)
XPA2	6-12	1300	19169	Tue	02034 00283 77207 ... 80519 72122 46036	MFSK-16/20Bd	(AB)
XPA2	6-12	1310	18252	Tue	02034 00283 77207 ... 80519 72122 46036	MFSK-16/20Bd	(AB)
XPA2	6-12	1320	17423	Tue	02034 00283 77207 ... 80519 72122 46036	MFSK-16/20Bd	(AB)

XPA2	6-12	1330	16076	Tue	02034 00283 77207 ... 80519 72122 46036	MFSK-16/20Bd	(AB)
XPA2	6-12	1340	15894	Tue	02034 00283 77207 ... 80519 72122 46036	MFSK-16/20Bd	(AB)
XPA2	6-12	1350	14461	Tue	02034 00283 77207 ... 80519 72122 46036	MFSK-16/20Bd	(AB)
XPA2	6-12	1400	15856	Tue	02832 00101 47743 ... 89130 47598 47365	MFSK-16/20Bd	(AB)
XPA2	6-12	1410	14767	Tue	02832 00101 47743 ... 89130 47598 47365	MFSK-16/20Bd	(AB)
XPA2	6-12	1420	13428	Tue	02832 00101 47743 ... 89130 47598 47365	MFSK-16/20Bd	(AB)
XPA2	6-12	1430	12183	Tue	02832 00101 47743 ... 89130 47598 47365	MFSK-16/20Bd	(AB)
XPA2	6-12	1440	11477	Tue	02832 00101 47743 ... 89130 47598 47365	MFSK-16/20Bd	(AB)
XPA2	6-12	1450	10227	Tue	02832 00101 47743 ... 89130 47598 47365	MFSK-16/20Bd	(AB)
XPA2	6-12	1600	8184	Tue	05769 00274 38391 ... 11756 19806 43426	MFSK-16/20Bd	(AB)
XPA2	6-12	1620	7684	Tue	05769 00274 38391 ... 11756 19806 43426	MFSK-16/20Bd	(AB)
XPA2	6-12	1640	6784	Tue	05769 00274 38391 ... 11756 19806 43426	MFSK-16/20Bd	(AB)
XPA2	7-12	0800	11493	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	7-12	0820	13393	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	7-12	0840	13993	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	7-12	0910	13562	Wed	02876 00001 00000 40262	MFSK-16/20Bd	(AB/HFD)
XPA2	7-12	0930	11583	Wed	02876 00001 00000 40262	MFSK-16/20Bd	(AB/HFD)
XPA2	7-12	0950	10281	Wed	02876 00001 00000 40262	MFSK-16/20Bd	(AB/HFD)
XPA2	7-12	1100	11579	Wed	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB)
XPA2	7-12	1100	20836	Wed	06133 00214 06536 ... 65829 78766 10420	MFSK-16/20Bd	(AB)
XPA2	7-12	1110	19372	Wed	06133 00214 06536 ... 65829 78766 10420	MFSK-16/20Bd	(AB)
XPA2	7-12	1120	10979	Wed	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB)
XPA2	7-12	1120	18493	Wed	06133 00214 06536 ... 65829 78766 10420	MFSK-16/20Bd	(AB)
XPA2	7-12	1130	17451	Wed	06133 00214 06536 ... 65829 78766 10420	MFSK-16/20Bd	(AB)
XPA2	7-12	1140	10279	Wed	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB)
XPA2	7-12	1140	16166	Wed	06133 00214 06536 ... 65829 78766 10420	MFSK-16/20Bd	(AB)
XPA2	7-12	1150	15956	Wed	06133 00214 06536 ... 65829 78766 10420	MFSK-16/20Bd	(AB)
XPA2	7-12	1200	14841	Wed	07065 00258 20024 ... 74616 38842 16241	MFSK-16/20Bd	(AB)
XPA2	7-12	1200	20538	Wed	09007 00277 19921 ... 77659 30413 45614	MFSK-16/20Bd	(AB)
XPA2	7-12	1210	19909	Wed	09007 00277 19921 ... 77659 30413 45614	MFSK-16/20Bd	(AB)
XPA2	7-12	1220	16241	Wed	07065 00258 20024 ... 74616 38842 16241	MFSK-16/20Bd	(AB)
XPA2	7-12	1220	18662	Wed	09007 00277 19921 ... 77659 30413 45614	MFSK-16/20Bd	(AB/EW)
XPA2	7-12	1230	17421	Wed	09007 00277 19921 ... 77659 30413 45614	MFSK-16/20Bd	(AB)
XPA2	7-12	1240	16246	Wed	09007 00277 19921 ... 77659 30413 45614	MFSK-16/20Bd	(AB)
XPA2	7-12	1240	18241	Wed	07065 00258 20024 ... 74616 38842 16241	MFSK-16/20Bd	(AB)
XPA2	7-12	1250	15863	Wed	09007 00277 19921 ... 77659 30413 45614	MFSK-16/20Bd	(AB)
XPA2	7-12	1300	19169	Wed	03341 00169 10238 ... 76973 51636 37365	MFSK-16/20Bd	(AB)
XPA2	7-12	1310	18252	Wed	03341 00169 10238 ... 76973 51636 37365	MFSK-16/20Bd	(AB)
XPA2	7-12	1320	17423	Wed	03341 00169 10238 ... 76973 51636 37365	MFSK-16/20Bd	(AB)
XPA2	7-12	1330	16076	Wed	03341 00169 10238 ... 76973 51636 37365	MFSK-16/20Bd	(AB)
XPA2	7-12	1340	15894	Wed	03341 00169 10238 ... 76973 51636 37365	MFSK-16/20Bd	(AB)
XPA2	7-12	1350	14461	Wed	03341 00169 10238 ... 76973 51636 37365	MFSK-16/20Bd	(AB)

XPA2	7-12	1400	15856	Wed	01826 00151 28990 ... 29040 81647 67245	MFSK-16/20Bd	(AB)
XPA2	7-12	1410	14767	Wed	01826 00151 28990 ... 29040 81647 67245	MFSK-16/20Bd	(AB)
XPA2	7-12	1420	13428	Wed	01826 00151 28990 ... 29040 81647 67245	MFSK-16/20Bd	(AB)
XPA2	7-12	1430	12183	Wed	01826 00151 28990 ... 29040 81647 67245	MFSK-16/20Bd	(AB)
XPA2	7-12	1440	11477	Wed	01826 00151 28990 ... 29040 81647 67245	MFSK-16/20Bd	(AB)
XPA2	7-12	1450	10227	Wed	01826 00151 28990 ... 29040 81647 67245	MFSK-16/20Bd	(AB)
XPA2	8-12	0600	9281	Thu	08572 00099 43459 ... 20614 32682 10334	MFSK-16/20Bd	(AB)
XPA2	8-12	0620	10481	Thu	08572 00099 43459 ... 20614 32682 10334	MFSK-16/20Bd	(AB)
XPA2	8-12	0640	11481	Thu	08572 00099 43459 ... 20614 32682 10334	MFSK-16/20Bd	(AB)
XPA2	8-12	0910	13919	Thu	00256 00100 98775 ... 86020 00072 43625	MFSK-16/20Bd	(AB)
XPA2	8-12	0930	11519	Thu	00256 00100 98775 ... 86020 00072 43625	MFSK-16/20Bd	(AB)
XPA2	8-12	0950	10719	Thu	00256 00100 98775 ... 86020 00072 43625	MFSK-16/20Bd	(AB)
XPA2	8-12	1100	11579	Thu	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB)
XPA2	8-12	1100	20836	Thu	08862 00196 07086 ... 65163 62147 53052	MFSK-16/20Bd	(AB)
XPA2	8-12	1110	19372	Thu	08862 00196 07086 ... 65163 62147 53052	MFSK-16/20Bd	(AB)
XPA2	8-12	1120	10979	Thu	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB)
XPA2	8-12	1120	18493	Thu	08862 00196 07086 ... 65163 62147 53052	MFSK-16/20Bd	(AB)
XPA2	8-12	1130	17451	Thu	08862 00196 07086 ... 65163 62147 53052	MFSK-16/20Bd	(AB)
XPA2	8-12	1140	10279	Thu	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB)
XPA2	8-12	1140	16166	Thu	08862 00196 07086 ... 65163 62147 53052	MFSK-16/20Bd	(AB)
XPA2	8-12	1150	15956	Thu	08862 00196 07086 ... 65163 62147 53052	MFSK-16/20Bd	(AB)
XPA2	8-12	1200	20538	Thu	08712 00199 10876 ... 04008 75589 52074	MFSK-16/20Bd	(AB)
XPA2	8-12	1210	19909	Thu	08712 00199 10876 ... 04008 75589 52074	MFSK-16/20Bd	(AB)
XPA2	8-12	1220	18662	Thu	08712 00199 10876 ... 04008 75589 52074	MFSK-16/20Bd	(AB)
XPA2	8-12	1230	17421	Thu	08712 00199 10876 ... 04008 75589 52074	MFSK-16/20Bd	(AB)
XPA2	8-12	1240	16246	Thu	08712 00199 10876 ... 04008 75589 52074	MFSK-16/20Bd	(AB)
XPA2	8-12	1250	15863	Thu	08712 00199 10876 ... 04008 75589 52074	MFSK-16/20Bd	(AB)
XPA2	8-12	1300	19169	Thu	03682 00287 75668 ... 17034 86855 02576	MFSK-16/20Bd	(AB)
XPA2	8-12	1310	18252	Thu	03682 00287 75668 ... 17034 86855 02576	MFSK-16/20Bd	(AB)
XPA2	8-12	1320	17423	Thu	03682 00287 75668 ... 17034 86855 02576	MFSK-16/20Bd	(AB)
XPA2	8-12	1330	16076	Thu	03682 00287 75668 ... 17034 86855 02576	MFSK-16/20Bd	(AB)
XPA2	8-12	1340	15894	Thu	03682 00287 75668 ... 17034 86855 02576	MFSK-16/20Bd	(AB)
XPA2	8-12	1350	14461	Thu	03682 00287 75668 ... 17034 86855 02576	MFSK-16/20Bd	(AB)
XPA2	8-12	1400	15856	Thu	01629 00242 75105 ... 19440 74526 11134	MFSK-16/20Bd	(AB)
XPA2	8-12	1410	14767	Thu	01629 00242 75105 ... 19440 74526 11134	MFSK-16/20Bd	(AB)
XPA2	8-12	1420	13428	Thu	01629 00242 75105 ... 19440 74526 11134	MFSK-16/20Bd	(AB)
XPA2	8-12	1430	12183	Thu	01629 00242 75105 ... 19440 74526 11134	MFSK-16/20Bd	(AB)
XPA2	8-12	1440	11477	Thu	01629 00242 75105 ... 19440 74526 11134	MFSK-16/20Bd	(AB)
XPA2	8-12	1450	10227	Thu	01629 00242 75105 ... 19440 74526 11134	MFSK-16/20Bd	(AB)
XPA2	8-12	1600	8184	Thu	05769 00274 38391 ... 11756 19806 43426	MFSK-16/20Bd	(AB/MPJ)
XPA2	8-12	1620	7684	Thu	05769 00274 38391 ... 11756 19806 43426	MFSK-16/20Bd	(AB/MPJ)
XPA2	8-12	1640	6784	Thu	05769 00274 38391 ... 11756 19806 43426	MFSK-16/20Bd	(AB/MPJ)

XPA2	9-12	0900	16347	Fri	09009 00103 99362 ... 02861 46439 31501	MFSK-16/20Bd	(AB)
XPA2	9-12	0920	18247	Fri	09009 00103 99362 ... 02861 46439 31501	MFSK-16/20Bd	(AB)
XPA2	9-12	0940	19547	Fri	09009 00103 99362 ... 02861 46439 31501	MFSK-16/20Bd	(AB)
XPA2	9-12	1100	9265	Fri	04468 00001 00000 37262	MFSK-16/20Bd	(AB)
XPA2	9-12	1100	20836	Fri	07963 00248 53675 ... 52196 83772 63474	MFSK-16/20Bd	(AB)
XPA2	9-12	1110	19372	Fri	07963 00248 53675 ... 52196 83772 63474	MFSK-16/20Bd	(AB)
XPA2	9-12	1110	9142	Fri	00626 00092 06008 ... 61214 33111 74130	MFSK-16/20Bd	(PY)
XPA2	9-12	1120	8165	Fri	04468 00001 00000 37262	MFSK-16/20Bd	(AB)
XPA2	9-12	1120	18493	Fri	07963 00248 53675 ... 52196 83772 63474	MFSK-16/20Bd	(AB)
XPA2	9-12	1130	17451	Fri	07963 00248 53675 ... 52196 83772 63474	MFSK-16/20Bd	(AB)
XPA2	9-12	1140	7665	Fri	04468 00001 00000 37262	MFSK-16/20Bd	(AB)
XPA2	9-12	1140	16166	Fri	07963 00248 53675 ... 52196 83772 63474	MFSK-16/20Bd	(AB)
XPA2	9-12	1150	15956	Fri	07963 00248 53675 ... 52196 83772 63474	MFSK-16/20Bd	(AB)
XPA2	9-12	1200	14841	Fri	07065 00258 20024 ... 74616 38842 16241	MFSK-16/20Bd	(AB)
XPA2	9-12	1200	20538	Fri	08438 00298 49627 ... 53186 84289 25201	MFSK-16/20Bd	(AB)
XPA2	9-12	1210	19909	Fri	08438 00298 49627 ... 53186 84289 25201	MFSK-16/20Bd	(AB)
XPA2	9-12	1220	16241	Fri	07065 00258 20024 ... 74616 38842 16241	MFSK-16/20Bd	(AB)
XPA2	9-12	1220	18662	Fri	08438 00298 49627 ... 53186 84289 25201	MFSK-16/20Bd	(AB)
XPA2	9-12	1230	17421	Fri	08438 00298 49627 ... 53186 84289 25201	MFSK-16/20Bd	(AB)
XPA2	9-12	1240	16246	Fri	08438 00298 49627 ... 53186 84289 25201	MFSK-16/20Bd	(AB)
XPA2	9-12	1240	18241	Fri	07065 00258 20024 ... 74616 38842 16241	MFSK-16/20Bd	(AB)
XPA2	9-12	1250	15863	Fri	08438 00298 49627 ... 53186 84289 25201	MFSK-16/20Bd	(AB)
XPA2	9-12	1300	19169	Fri	02665 00136 26991 ... 49190 57713 13555	MFSK-16/20Bd	(AB)
XPA2	9-12	1310	18252	Fri	02665 00136 26991 ... 49190 57713 13555	MFSK-16/20Bd	(AB)
XPA2	9-12	1320	17423	Fri	02665 00136 26991 ... 49190 57713 13555	MFSK-16/20Bd	(AB)
XPA2	9-12	1330	16076	Fri	02665 00136 26991 ... 49190 57713 13555	MFSK-16/20Bd	(AB)
XPA2	9-12	1340	15894	Fri	02665 00136 26991 ... 49190 57713 13555	MFSK-16/20Bd	(AB)
XPA2	9-12	1350	14461	Fri	02665 00136 26991 ... 49190 57713 13555	MFSK-16/20Bd	(AB)
XPA2	9-12	1400	15856	Fri	07467 00132 39485... 56233 61074 37233	MFSK-16/20Bd	(AB)
XPA2	9-12	1410	14767	Fri	07467 00132 39485... 56233 61074 37233	MFSK-16/20Bd	(AB)
XPA2	9-12	1420	13428	Fri	07467 00132 39485... 56233 61074 37233	MFSK-16/20Bd	(AB)
XPA2	9-12	1430	12183	Fri	07467 00132 39485... 56233 61074 37233	MFSK-16/20Bd	(AB)
XPA2	9-12	1440	11477	Fri	07467 00132 39485... 56233 61074 37233	MFSK-16/20Bd	(AB)
XPA2	9-12	1450	10227	Fri	07467 00132 39485... 56233 61074 37233	MFSK-16/20Bd	(AB)
XPA2	10-12	0910	13919	Sat	00256 00100 98775 ... 86020 00072 43625	MFSK-16/20Bd	(AB)
XPA2	10-12	0930	11519	Sat	00256 00100 98775 ... 86020 00072 43625	MFSK-16/20Bd	(AB)
XPA2	10-12	0950	10719	Sat	00256 00100 98775 ... 86020 00072 43625	MFSK-16/20Bd	(AB)
XPA2	10-12	1100	20836	Sat	08188 00259 05826 ... 49856 36332 14464	MFSK-16/20Bd	(AB)
XPA2	10-12	1110	19372	Sat	08188 00259 05826 ... 49856 36332 14464	MFSK-16/20Bd	(AB)
XPA2	10-12	1120	18493	Sat	08188 00259 05826 ... 49856 36332 14464	MFSK-16/20Bd	(AB)
XPA2	10-12	1130	17451	Sat	08188 00259 05826 ... 49856 36332 14464	MFSK-16/20Bd	(AB)
XPA2	10-12	1140	16166	Sat	08188 00259 05826 ... 49856 36332 14464	MFSK-16/20Bd	(AB)

XPA2	10-12	1150	15956	Sat	08188 00259 05826 ... 49856 36332 14464	MFSK-16/20Bd	(AB)
XPA2	10-12	1200	20538	Sat	06284 00217 50134 ... 76037 58367 11471	MFSK-16/20Bd	(AB)
XPA2	10-12	1210	19909	Sat	06284 00217 50134 ... 76037 58367 11471	MFSK-16/20Bd	(AB)
XPA2	10-12	1220	18662	Sat	06284 00217 50134 ... 76037 58367 11471	MFSK-16/20Bd	(AB)
XPA2	10-12	1230	17421	Sat	06284 00217 50134 ... 76037 58367 11471	MFSK-16/20Bd	(AB)
XPA2	10-12	1240	16246	Sat	06284 00217 50134 ... 76037 58367 11471	MFSK-16/20Bd	(AB)
XPA2	10-12	1250	15863	Sat	06284 00217 50134 ... 76037 58367 11471	MFSK-16/20Bd	(AB)
XPA2	10-12	1300	19169	Sat	03230 00182 96736 ... 01372 69889 22251	MFSK-16/20Bd	(AB)
XPA2	10-12	1310	18252	Sat	03230 00182 96736 ... 01372 69889 22251	MFSK-16/20Bd	(AB)
XPA2	10-12	1320	17423	Sat	03230 00182 96736 ... 01372 69889 22251	MFSK-16/20Bd	(AB)
XPA2	10-12	1330	16076	Sat	03230 00182 96736 ... 01372 69889 22251	MFSK-16/20Bd	(AB)
XPA2	10-12	1340	15894	Sat	03230 00182 96736 ... 01372 69889 22251	MFSK-16/20Bd	(AB)
XPA2	10-12	1350	14461	Sat	03230 00182 96736 ... 01372 69889 22251	MFSK-16/20Bd	(AB)
XPA2	10-12	1400	15856	Sat	04084 00296 27950 ... 05365 11562 51267	MFSK-16/20Bd	(AB)
XPA2	10-12	1410	14767	Sat	04084 00296 27950 ... 05365 11562 51267	MFSK-16/20Bd	(AB)
XPA2	10-12	1420	13428	Sat	04084 00296 27950 ... 05365 11562 51267	MFSK-16/20Bd	(AB)
XPA2	10-12	1430	12183	Sat	04084 00296 27950 ... 05365 11562 51267	MFSK-16/20Bd	(AB)
XPA2	10-12	1440	11477	Sat	04084 00296 27950 ... 05365 11562 51267	MFSK-16/20Bd	(AB)
XPA2	10-12	1450	10227	Sat	04084 00296 27950 ... 05365 11562 51267	MFSK-16/20Bd	(AB)
XPA2	10-12	1600	6984	Sat	05757 00263 73795 ... 41140 72617 11625	MFSK-16/20Bd	(AB/MPJ)
XPA2	10-12	1620	5884	Sat	05757 00263 73795 ... 41140 72617 11625	MFSK-16/20Bd	(AB/MPJ)
XPA2	10-12	1640	4784	Sat	05757 00263 73795 ... 41140 72617 11625	MFSK-16/20Bd	(AB/MPJ)
XPA2	11-12	0900	16347	Sun	09009 00103 99362 ... 02861 46439 31501	MFSK-16/20Bd	(AB)
XPA2	11-12	0920	18247	Sun	09009 00103 99362 ... 02861 46439 31501	MFSK-16/20Bd	(AB)
XPA2	11-12	0940	19547	Sun	09009 00103 99362 ... 02861 46439 31501	MFSK-16/20Bd	(AB)
XPA2	11-12	1100	20836	Sun	02227 00216 40918 ... 33789 98000 77071	MFSK-16/20Bd	(AB)
XPA2	11-12	1110	19372	Sun	02227 00216 40918 ... 33789 98000 77071	MFSK-16/20Bd	(AB)
XPA2	11-12	1120	18493	Sun	02227 00216 40918 ... 33789 98000 77071	MFSK-16/20Bd	(AB)
XPA2	11-12	1130	17451	Sun	02227 00216 40918 ... 33789 98000 77071	MFSK-16/20Bd	(AB)
XPA2	11-12	1140	16166	Sun	02227 00216 40918 ... 33789 98000 77071	MFSK-16/20Bd	(AB)
XPA2	11-12	1150	15956	Sun	02227 00216 40918 ... 33789 98000 77071	MFSK-16/20Bd	(AB)
XPA2	11-12	1200	10807	Sun	00226 00204 77782 ... 36703 09000 40371	MFSK-16/20Bd	(AB)
XPA2	11-12	1200	20538	Sun	02681 00169 13795 ... 02839 96330 26250	MFSK-16/20Bd	(AB)
XPA2	11-12	1210	19909	Sun	02681 00169 13795 ... 02839 96330 26250	MFSK-16/20Bd	(AB)
XPA2	11-12	1220	12207	Sun	00226 00204 77782 ... 36703 09000 40371	MFSK-16/20Bd	(AB)
XPA2	11-12	1220	18662	Sun	02681 00169 13795 ... 02839 96330 26250	MFSK-16/20Bd	(AB)
XPA2	11-12	1230	17421	Sun	02681 00169 13795 ... 02839 96330 26250	MFSK-16/20Bd	(AB)
XPA2	11-12	1240	13507	Sun	00226 00204 77782 ... 36703 09000 40371	MFSK-16/20Bd	(AB)
XPA2	11-12	1240	16246	Sun	02681 00169 13795 ... 02839 96330 26250	MFSK-16/20Bd	(AB)
XPA2	11-12	1250	15863	Sun	02681 00169 13795 ... 02839 96330 26250	MFSK-16/20Bd	(AB)
XPA2	11-12	1300	19169	Sun	05191 00121 75283 ... 47467 03622 21354	MFSK-16/20Bd	(AB)
XPA2	11-12	1310	18252	Sun	05191 00121 75283 ... 47467 03622 21354	MFSK-16/20Bd	(AB)

XPA2	11-12	1320	17423	Sun	05191 00121 75283 ... 47467 03622 21354	MFSK-16/20Bd	(AB)
XPA2	11-12	1330	16076	Sun	05191 00121 75283 ... 47467 03622 21354	MFSK-16/20Bd	(AB)
XPA2	11-12	1340	15894	Sun	05191 00121 75283 ... 47467 03622 21354	MFSK-16/20Bd	(AB)
XPA2	11-12	1350	14461	Sun	05191 00121 75283 ... 47467 03622 21354	MFSK-16/20Bd	(AB)
XPA2	11-12	1400	15856	Sun	09662 00292 98629 ... 99264 76675 14016	MFSK-16/20Bd	(AB)
XPA2	11-12	1410	14767	Sun	09662 00292 98629 ... 99264 76675 14016	MFSK-16/20Bd	(AB)
XPA2	11-12	1420	13428	Sun	09662 00292 98629 ... 99264 76675 14016	MFSK-16/20Bd	(AB)
XPA2	11-12	1430	12183	Sun	09662 00292 98629 ... 99264 76675 14016	MFSK-16/20Bd	(AB)
XPA2	11-12	1440	11477	Sun	09662 00292 98629 ... 99264 76675 14016	MFSK-16/20Bd	(AB)
XPA2	11-12	1450	10227	Sun	09662 00292 98629 ... 99264 76675 14016	MFSK-16/20Bd	(AB)
XPA2	12-12	0800	11493	Mon	00465 00098 34397 ... 24160 65992 14550	MFSK-16/20Bd	(AB)
XPA2	12-12	0820	13393	Mon	00465 00098 34397 ... 24160 65992 14550	MFSK-16/20Bd	(AB)
XPA2	12-12	0840	13993	Mon	00465 00098 34397 ... 24160 65992 14550	MFSK-16/20Bd	(AB)
XPA2	12-12	0910	13562	Mon	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	12-12	0930	11583	Mon	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	12-12	0950	10281	Mon	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	12-12	1100	20836	Mon	03736 00289 04225 ... 94226 72323 61035	MFSK-16/20Bd	(AB)
XPA2	12-12	1110	19372	Mon	03736 00289 04225 ... 94226 72323 61035	MFSK-16/20Bd	(AB)
XPA2	12-12	1120	18493	Mon	03736 00289 04225 ... 94226 72323 61035	MFSK-16/20Bd	(AB)
XPA2	12-12	1130	17451	Mon	03736 00289 04225 ... 94226 72323 61035	MFSK-16/20Bd	(AB)
XPA2	12-12	1140	16166	Mon	03736 00289 04225 ... 94226 72323 61035	MFSK-16/20Bd	(AB)
XPA2	12-12	1150	15956	Mon	03736 00289 04225 ... 94226 72323 61035	MFSK-16/20Bd	(AB)
XPA2	12-12	1200	20538	Mon	06476 00110 81353 ... 17865 35945 60422	MFSK-16/20Bd	(AB)
XPA2	12-12	1210	19909	Mon	06476 00110 81353 ... 17865 35945 60422	MFSK-16/20Bd	(AB)
XPA2	12-12	1220	18662	Mon	06476 00110 81353 ... 17865 35945 60422	MFSK-16/20Bd	(AB)
XPA2	12-12	1230	17421	Mon	06476 00110 81353 ... 17865 35945 60422	MFSK-16/20Bd	(AB)
XPA2	12-12	1240	16246	Mon	06476 00110 81353 ... 17865 35945 60422	MFSK-16/20Bd	(AB)
XPA2	12-12	1250	15863	Mon	06476 00110 81353 ... 17865 35945 60422	MFSK-16/20Bd	(AB)
XPA2	12-12	1300	19169	Mon	05136 00191 33297 ... 20587 39166 75930 47441	MFSK-16/20Bd	(AB)
XPA2	12-12	1310	18252	Mon	05136 00191 33297 ... 20587 39166 75930 47441	MFSK-16/20Bd	(AB)
XPA2	12-12	1320	17423	Mon	05136 00191 33297 ... 20587 39166 75930 47441	MFSK-16/20Bd	(AB)
XPA2	12-12	1330	16076	Mon	05136 00191 33297 ... 20587 39166 75930 47441	MFSK-16/20Bd	(AB)
XPA2	12-12	1340	15894	Mon	05136 00191 33297 ... 20587 39166 75930 47441	MFSK-16/20Bd	(AB)
XPA2	12-12	1350	14461	Mon	05136 00191 33297 ... 20587 39166 75930 47441	MFSK-16/20Bd	(AB)
XPA2	12-12	1400	15856	Mon	02964 00265 72693 ... 93938 03076 55307	MFSK-16/20Bd	(AB)
XPA2	12-12	1410	14767	Mon	02964 00265 72693 ... 93938 03076 55307	MFSK-16/20Bd	(AB)
XPA2	12-12	1420	13428	Mon	02964 00265 72693 ... 93938 03076 55307	MFSK-16/20Bd	(AB)
XPA2	12-12	1430	12183	Mon	02964 00265 72693 ... 93938 03076 55307	MFSK-16/20Bd	(AB)
XPA2	12-12	1440	11477	Mon	02964 00265 72693 ... 93938 03076 55307	MFSK-16/20Bd	(AB)
XPA2	12-12	1450	10227	Mon	02964 00265 72693 ... 93938 03076 55307	MFSK-16/20Bd	(AB)
XPA2	12-12	1600	6984	Mon	03294 00001 00000 34264	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	12-12	1620	5884	Mon	03294 00001 00000 34264	MFSK-16/20Bd	(AB/MPJ/HFD)

XPA2	12-12	1640	4784	Mon	03294 00001 00000 34264	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13-12	0600	9281	Tue	05640 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	13-12	0620	10481	Tue	05640 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	13-12	0640	11481	Tue	05640 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	13-12	1100	9265	Tue	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB)
XPA2	13-12	1100	20836	Tue	01106 00135 23484 ... 25096 60202 47624	MFSK-16/20Bd	(AB)
XPA2	13-12	1110	19372	Tue	01106 00135 23484 ... 25096 60202 47624	MFSK-16/20Bd	(AB)
XPA2	13-12	1120	8165	Tue	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB)
XPA2	13-12	1120	18493	Tue	01106 00135 23484 ... 25096 60202 47624	MFSK-16/20Bd	(AB)
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XPA2	13-12	1140	7665	Tue	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB)
XPA2	13-12	1140	16166	Tue	01106 00135 23484 ... 25096 60202 47624	MFSK-16/20Bd	(AB)
XPA2	13-12	1150	15956	Tue	01106 00135 23484 ... 25096 60202 47624	MFSK-16/20Bd	(AB)
XPA2	13-12	1200	10807	Tue	08493 00188 59217 ... 20499 46535 44061	MFSK-16/20Bd	(AB)
XPA2	13-12	1200	20538	Tue	05259 00212 03807 ... 02018 57805 00023	MFSK-16/20Bd	(AB)
XPA2	13-12	1210	19909	Tue	05259 00212 03807 ... 02018 57805 00023	MFSK-16/20Bd	(AB)
XPA2	13-12	1220	12207	Tue	08493 00188 59217 ... 20499 46535 44061	MFSK-16/20Bd	(AB)
XPA2	13-12	1220	18662	Tue	05259 00212 03807 ... 02018 57805 00023	MFSK-16/20Bd	(AB)
XPA2	13-12	1230	17421	Tue	05259 00212 03807 ... 02018 57805 00023	MFSK-16/20Bd	(AB)
XPA2	13-12	1240	13507	Tue	08493 00188 59217 ... 20499 46535 44061	MFSK-16/20Bd	(AB)
XPA2	13-12	1240	16246	Tue	05259 00212 03807 ... 02018 57805 00023	MFSK-16/20Bd	(AB)
XPA2	13-12	1250	15863	Tue	05259 00212 03807 ... 02018 57805 00023	MFSK-16/20Bd	(AB)
XPA2	13-12	1300	19169	Tue	02865 00141 91977 ... 06031 76657 07570	MFSK-16/20Bd	(AB)
XPA2	13-12	1310	18252	Tue	02865 00141 91977 ... 06031 76657 07570	MFSK-16/20Bd	(AB)
XPA2	13-12	1320	17423	Tue	02865 00141 91977 ... 06031 76657 07570	MFSK-16/20Bd	(AB)
XPA2	13-12	1330	16076	Tue	02865 00141 91977 ... 06031 76657 07570	MFSK-16/20Bd	(AB)
XPA2	13-12	1340	15894	Tue	02865 00141 91977 ... 06031 76657 07570	MFSK-16/20Bd	(AB)
XPA2	13-12	1350	14461	Tue	02865 00141 91977 ... 06031 76657 07570	MFSK-16/20Bd	(AB)
XPA2	13-12	1400	15856	Tue	08447 00265 31042 ... 85928 60550 07462	MFSK-16/20Bd	(AB)
XPA2	13-12	1410	14767	Tue	08447 00265 31042 ... 85928 60550 07462	MFSK-16/20Bd	(AB)
XPA2	13-12	1420	13428	Tue	08447 00265 31042 ... 85928 60550 07462	MFSK-16/20Bd	(AB)
XPA2	13-12	1430	12183	Tue	08447 00265 31042 ... 85928 60550 07462	MFSK-16/20Bd	(AB)
XPA2	13-12	1440	11477	Tue	08447 00265 31042 ... 85928 60550 07462	MFSK-16/20Bd	(AB)
XPA2	13-12	1450	10227	Tue	08447 00265 31042 ... 85928 60550 07462	MFSK-16/20Bd	(AB)
XPA2	13-12	1600	8184	Tue	09055 00001 00000 33666	MFSK-16/20Bd	(AB)
XPA2	13-12	1620	7684	Tue	09055 00001 00000 33666	MFSK-16/20Bd	(AB)
XPA2	13-12	1640	6784	Tue	09055 00001 00000 33666	MFSK-16/20Bd	(AB)
XPA2	14-12	0800	11493	Wed	00465 00098 34397 ... 24160 65992 14550	MFSK-16/20Bd	(AB)
XPA2	14-12	0820	13393	Wed	00465 00098 34397 ... 24160 65992 14550	MFSK-16/20Bd	(AB)
XPA2	14-12	0840	13993	Wed	00465 00098 34397 ... 24160 65992 14550	MFSK-16/20Bd	(AB)
XPA2	14-12	0910	13562	Wed	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	14-12	0930	11583	Wed	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)

XPA2	14-12	0950	10281	Wed	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	14-12	1100	11579	Wed	02468 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	14-12	1100	20836	Wed	01356 00229 24288 ... 92128 24487 16337	MFSK-16/20Bd	(AB)
XPA2	14-12	1110	19372	Wed	01356 00229 24288 ... 92128 24487 16337	MFSK-16/20Bd	(AB)
XPA2	14-12	1120	10979	Wed	02468 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	14-12	1120	18493	Wed	01356 00229 24288 ... 92128 24487 16337	MFSK-16/20Bd	(AB)
XPA2	14-12	1130	17451	Wed	01356 00229 24288 ... 92128 24487 16337	MFSK-16/20Bd	(AB)
XPA2	14-12	1140	10279	Wed	02468 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	14-12	1140	16166	Wed	01356 00229 24288 ... 92128 24487 16337	MFSK-16/20Bd	(AB)
XPA2	14-12	1150	15956	Wed	01356 00229 24288 ... 92128 24487 16337	MFSK-16/20Bd	(AB)
XPA2	14-12	1200	14841	Wed	00189 00164 66705 ... 05573 01580 31152	MFSK-16/20Bd	(AB)
XPA2	14-12	1200	20538	Wed	01369 00236 95047 ... 33646 24448 13447	MFSK-16/20Bd	(AB)
XPA2	14-12	1200	10807	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	14-12	1210	19909	Wed	01369 00236 95047 ... 33646 24448 13447	MFSK-16/20Bd	(AB)
XPA2	14-12	1220	16241	Wed	00189 00164 66705 ... 05573 01580 31152	MFSK-16/20Bd	(AB)
XPA2	14-12	1220	18662	Wed	01369 00236 95047 ... 33646 24448 13447	MFSK-16/20Bd	(AB)
XPA2	14-12	1220	12207	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	14-12	1230	17421	Wed	01369 00236 95047 ... 33646 24448 13447	MFSK-16/20Bd	(AB)
XPA2	14-12	1240	16246	Wed	01369 00236 95047 ... 33646 24448 13447	MFSK-16/20Bd	(AB)
XPA2	14-12	1240	18241	Wed	00189 00164 66705 ... 05573 01580 31152	MFSK-16/20Bd	(AB)
XPA2	14-12	1240	13507	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	14-12	1250	15863	Wed	01369 00236 95047 ... 33646 24448 13447	MFSK-16/20Bd	(AB)
XPA2	14-12	1300	19169	Wed	05675 00260 32417 ... 02064 74025 73730	MFSK-16/20Bd	(AB)
XPA2	14-12	1310	18252	Wed	05675 00260 32417 ... 02064 74025 73730	MFSK-16/20Bd	(AB)
XPA2	14-12	1320	17423	Wed	05675 00260 32417 ... 02064 74025 73730	MFSK-16/20Bd	(AB)
XPA2	14-12	1330	16076	Wed	05675 00260 32417 ... 02064 74025 73730	MFSK-16/20Bd	(AB)
XPA2	14-12	1340	15894	Wed	05675 00260 32417 ... 02064 74025 73730	MFSK-16/20Bd	(AB)
XPA2	14-12	1350	14461	Wed	05675 00260 32417 ... 02064 74025 73730	MFSK-16/20Bd	(AB)
XPA2	14-12	1400	15856	Wed	09016 00167 59094 ... 48460 05359 76701	MFSK-16/20Bd	(AB)
XPA2	14-12	1410	14767	Wed	09016 00167 59094 ... 48460 05359 76701	MFSK-16/20Bd	(AB)
XPA2	14-12	1420	13428	Wed	09016 00167 59094 ... 48460 05359 76701	MFSK-16/20Bd	(AB)
XPA2	14-12	1430	12183	Wed	09016 00167 59094 ... 48460 05359 76701	MFSK-16/20Bd	(AB)
XPA2	14-12	1440	11477	Wed	09016 00167 59094 ... 48460 05359 76701	MFSK-16/20Bd	(AB)
XPA2	14-12	1450	10227	Wed	09016 00167 59094 ... 48460 05359 76701	MFSK-16/20Bd	(AB)
XPA2	15-12	0600	9281	Thu	05854 00001 00000 37262	MFSK-16/20Bd	(AB)
XPA2	15-12	0620	10481	Thu	05854 00001 00000 37262	MFSK-16/20Bd	(AB)
XPA2	15-12	0640	11481	Thu	05854 00001 00000 37262	MFSK-16/20Bd	(AB)
XPA2	15-12	0910	13919	Thu	04186 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	15-12	0930	11519	Thu	04186 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	15-12	0950	10719	Thu	04186 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	15-12	1100	11579	Thu	03527 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	15-12	1100	20836	Thu	01612 00146 07780 ... 74041 01488 11564	MFSK-16/20Bd	(AB)

XPA2	15-12	1110	19372	Thu	01612 00146 07780 ... 74041 01488 11564	MFSK-16/20Bd	(AB)
XPA2	15-12	1120	10979	Thu	03527 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	15-12	1120	18493	Thu	01612 00146 07780 ... 74041 01488 11564	MFSK-16/20Bd	(AB)
XPA2	15-12	1130	17451	Thu	01612 00146 07780 ... 74041 01488 11564	MFSK-16/20Bd	(AB)
XPA2	15-12	1140	10279	Thu	03527 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	15-12	1140	16166	Thu	01612 00146 07780 ... 74041 01488 11564	MFSK-16/20Bd	(AB)
XPA2	15-12	1150	15956	Thu	01612 00146 07780 ... 74041 01488 11564	MFSK-16/20Bd	(AB)
XPA2	15-12	1200	20538	Thu	06954 00160 18157 ... 36354 67667 50340	MFSK-16/20Bd	(AB)
XPA2	15-12	1210	19909	Thu	06954 00160 18157 ... 36354 67667 50340	MFSK-16/20Bd	(AB)
XPA2	15-12	1220	18662	Thu	06954 00160 18157 ... 36354 67667 50340	MFSK-16/20Bd	(AB)
XPA2	15-12	1230	17421	Thu	06954 00160 18157 ... 36354 67667 50340	MFSK-16/20Bd	(AB)
XPA2	15-12	1240	16246	Thu	06954 00160 18157 ... 36354 67667 50340	MFSK-16/20Bd	(AB)
XPA2	15-12	1250	15863	Thu	06954 00160 18157 ... 36354 67667 50340	MFSK-16/20Bd	(AB)
XPA2	15-12	1300	19169	Thu	05496 00199 39860 ... 84446 86391 40130	MFSK-16/20Bd	(AB)
XPA2	15-12	1310	18252	Thu	05496 00199 39860 ... 84446 86391 40130	MFSK-16/20Bd	(AB)
XPA2	15-12	1320	17423	Thu	05496 00199 39860 ... 84446 86391 40130	MFSK-16/20Bd	(AB)
XPA2	15-12	1330	16076	Thu	05496 00199 39860 ... 84446 86391 40130	MFSK-16/20Bd	(AB)
XPA2	15-12	1340	15894	Thu	05496 00199 39860 ... 84446 86391 40130	MFSK-16/20Bd	(AB)
XPA2	15-12	1350	14461	Thu	05496 00199 39860 ... 84446 86391 40130	MFSK-16/20Bd	(AB)
XPA2	15-12	1400	15856	Thu	09514 00217 08496 ... 00319 61857 45715	MFSK-16/20Bd	(AB)
XPA2	15-12	1410	14767	Thu	09514 00217 08496 ... 00319 61857 45715	MFSK-16/20Bd	(AB)
XPA2	15-12	1420	13428	Thu	09514 00217 08496 ... 00319 61857 45715	MFSK-16/20Bd	(AB)
XPA2	15-12	1430	12183	Thu	09514 00217 08496 ... 00319 61857 45715	MFSK-16/20Bd	(AB)
XPA2	15-12	1440	11477	Thu	09514 00217 08496 ... 00319 61857 45715	MFSK-16/20Bd	(AB)
XPA2	15-12	1450	10227	Thu	09514 00217 08496 ... 00319 61857 45715	MFSK-16/20Bd	(AB)
XPA2	15-12	1600	8184	Thu	08474 00001 00000 35267	MFSK-16/20Bd	(AB/MPJ)
XPA2	15-12	1620	7684	Thu	08474 00001 00000 35267	MFSK-16/20Bd	(AB/MPJ)
XPA2	15-12	1640	6784	Thu	08474 00001 00000 35267	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-12	0900	16347	Fri	07525 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	16-12	0920	18247	Fri	07525 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	16-12	0940	19547	Fri	07525 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	16-12	1100	9265	Fri	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB)
XPA2	16-12	1100	20836	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1110	19372	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1120	8165	Fri	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB)
XPA2	16-12	1120	18493	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1130	17451	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1140	7665	Fri	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB)
XPA2	16-12	1140	16166	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1150	15956	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1200	14841	Fri	00189 00164 66705 ... 05573 01580 31152	MFSK-16/20Bd	(AB)
XPA2	16-12	1200	20538	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)

XPA2	16-12	1210	19909	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1220	16241	Fri	00189 00164 66705 ... 05573 01580 31152	MFSK-16/20Bd	(AB)
XPA2	16-12	1220	18662	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1230	17421	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1240	16246	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1240	18241	Fri	00189 00164 66705 ... 05573 01580 31152	MFSK-16/20Bd	(AB)
XPA2	16-12	1250	15863	Fri	08695 00271 19434 ... 79133 50698 74760	MFSK-16/20Bd	(AB)
XPA2	16-12	1300	19169	Fri	02560 00262 21061 ... 45408 61478 73543	MFSK-16/20Bd	(AB)
XPA2	16-12	1310	18252	Fri	02560 00262 21061 ... 45408 61478 73543	MFSK-16/20Bd	(AB)
XPA2	16-12	1320	17423	Fri	02560 00262 21061 ... 45408 61478 73543	MFSK-16/20Bd	(AB)
XPA2	16-12	1330	16076	Fri	02560 00262 21061 ... 45408 61478 73543	MFSK-16/20Bd	(AB)
XPA2	16-12	1340	15894	Fri	02560 00262 21061 ... 45408 61478 73543	MFSK-16/20Bd	(AB)
XPA2	16-12	1350	14461	Fri	02560 00262 21061 ... 45408 61478 73543	MFSK-16/20Bd	(AB)
XPA2	16-12	1400	15856	Fri	03076 00274 33950 ... 04351 83863 24247	MFSK-16/20Bd	(AB)
XPA2	16-12	1410	14767	Fri	03076 00274 33950 ... 04351 83863 24247	MFSK-16/20Bd	(AB)
XPA2	16-12	1420	13428	Fri	03076 00274 33950 ... 04351 83863 24247	MFSK-16/20Bd	(AB)
XPA2	16-12	1430	12183	Fri	03076 00274 33950 ... 04351 83863 24247	MFSK-16/20Bd	(AB)
XPA2	16-12	1440	11477	Fri	03076 00274 33950 ... 04351 83863 24247	MFSK-16/20Bd	(AB)
XPA2	16-12	1450	10227	Fri	03076 00274 33950 ... 04351 83863 24247	MFSK-16/20Bd	(AB)
XPA2	17-12	0910	13919	Sat	09129 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	17-12	0930	11519	Sat	09129 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	17-12	0950	10719	Sat	09129 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	17-12	1100	20836	Sat	02704 00265 35598 ... 20006 64124 15726	MFSK-16/20Bd	(AB)
XPA2	17-12	1110	19372	Sat	02704 00265 35598 ... 20006 64124 15726	MFSK-16/20Bd	(AB)
XPA2	17-12	1120	18493	Sat	02704 00265 35598 ... 20006 64124 15726	MFSK-16/20Bd	(AB)
XPA2	17-12	1130	17451	Sat	02704 00265 35598 ... 20006 64124 15726	MFSK-16/20Bd	(AB)
XPA2	17-12	1140	16166	Sat	02704 00265 35598 ... 20006 64124 15726	MFSK-16/20Bd	(AB)
XPA2	17-12	1150	15956	Sat	02704 00265 35598 ... 20006 64124 15726	MFSK-16/20Bd	(AB)
XPA2	17-12	1200	20538	Sat	04091 00168 70534 ... 24647 95813 42316	MFSK-16/20Bd	(AB)
XPA2	17-12	1210	19909	Sat	04091 00168 70534 ... 24647 95813 42316	MFSK-16/20Bd	(AB)
XPA2	17-12	1220	18662	Sat	04091 00168 70534 ... 24647 95813 42316	MFSK-16/20Bd	(AB)
XPA2	17-12	1230	17421	Sat	04091 00168 70534 ... 24647 95813 42316	MFSK-16/20Bd	(AB)
XPA2	17-12	1240	16246	Sat	04091 00168 70534 ... 24647 95813 42316	MFSK-16/20Bd	(AB)
XPA2	17-12	1250	15863	Sat	04091 00168 70534 ... 24647 95813 42316	MFSK-16/20Bd	(AB)
XPA2	17-12	1300	19169	Sat	06134 00214 58094 ... 75622 59625 13531	MFSK-16/20Bd	(AB)
XPA2	17-12	1310	18252	Sat	06134 00214 58094 ... 75622 59625 13531	MFSK-16/20Bd	(AB)
XPA2	17-12	1320	17423	Sat	06134 00214 58094 ... 75622 59625 13531	MFSK-16/20Bd	(AB)
XPA2	17-12	1330	16076	Sat	06134 00214 58094 ... 75622 59625 13531	MFSK-16/20Bd	(AB)
XPA2	17-12	1340	15894	Sat	06134 00214 58094 ... 75622 59625 13531	MFSK-16/20Bd	(AB)
XPA2	17-12	1350	14461	Sat	06134 00214 58094 ... 75622 59625 13531	MFSK-16/20Bd	(AB)
XPA2	17-12	1400	15856	Sat	01192 00193 50342 ... 91180 24132 51430	MFSK-16/20Bd	(AB)
XPA2	17-12	1410	14767	Sat	01192 00193 50342 ... 91180 24132 51430	MFSK-16/20Bd	(AB)

XPA2	17-12	1420	13428	Sat	01192 00193 50342 ... 91180 24132 51430	MFSK-16/20Bd	(AB)
XPA2	17-12	1430	12183	Sat	01192 00193 50342 ... 91180 24132 51430	MFSK-16/20Bd	(AB)
XPA2	17-12	1440	11477	Sat	01192 00193 50342 ... 91180 24132 51430	MFSK-16/20Bd	(AB)
XPA2	17-12	1450	10227	Sat	01192 00193 50342 ... 91180 24132 51430	MFSK-16/20Bd	(AB)
XPA2	17-12	1600	6984	Sat	09601 00001 00000 34661	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-12	1620	5884	Sat	09601 00001 00000 34661	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-12	1640	4784	Sat	09601 00001 00000 34661	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-12	1100	20836	Sun	09066 00162 68035 ... 57817 20355 66657	MFSK-16/20Bd	(AB)
XPA2	18-12	1110	19372	Sun	09066 00162 68035 ... 57817 20355 66657	MFSK-16/20Bd	(AB)
XPA2	18-12	1120	18493	Sun	09066 00162 68035 ... 57817 20355 66657	MFSK-16/20Bd	(AB)
XPA2	18-12	1130	17451	Sun	09066 00162 68035 ... 57817 20355 66657	MFSK-16/20Bd	(AB)
XPA2	18-12	1140	16166	Sun	09066 00162 68035 ... 57817 20355 66657	MFSK-16/20Bd	(AB)
XPA2	18-12	1150	15956	Sun	09066 00162 68035 ... 57817 20355 66657	MFSK-16/20Bd	(AB)
XPA2	18-12	1200	20538	Sun	05224 00122 77718 ... 00853 28935 04250	MFSK-16/20Bd	(AB)
XPA2	18-12	1200	10807	Sun	08493 00188 59217 ... 20499 46535 44061	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-12	1210	19909	Sun	05224 00122 77718 ... 00853 28935 04250	MFSK-16/20Bd	(AB)
XPA2	18-12	1220	18662	Sun	05224 00122 77718 ... 00853 28935 04250	MFSK-16/20Bd	(AB)
XPA2	18-12	1220	12207	Sun	08493 00188 59217 ... 20499 46535 44061	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-12	1230	17421	Sun	05224 00122 77718 ... 00853 28935 04250	MFSK-16/20Bd	(AB)
XPA2	18-12	1240	16246	Sun	05224 00122 77718 ... 00853 28935 04250	MFSK-16/20Bd	(AB)
XPA2	18-12	1240	13507	Sun	08493 00188 59217 ... 20499 46535 44061	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-12	1250	15863	Sun	05224 00122 77718 ... 00853 28935 04250	MFSK-16/20Bd	(AB)
XPA2	18-12	1300	19169	Sun	06601 00224 63342 ... 32753 17846 14055	MFSK-16/20Bd	(AB)
XPA2	18-12	1310	18252	Sun	06601 00224 63342 ... 32753 17846 14055	MFSK-16/20Bd	(AB)
XPA2	18-12	1320	17423	Sun	06601 00224 63342 ... 32753 17846 14055	MFSK-16/20Bd	(AB)
XPA2	18-12	1330	16076	Sun	06601 00224 63342 ... 32753 17846 14055	MFSK-16/20Bd	(AB)
XPA2	18-12	1340	15894	Sun	06601 00224 63342 ... 32753 17846 14055	MFSK-16/20Bd	(AB)
XPA2	18-12	1350	14461	Sun	06601 00224 63342 ... 32753 17846 14055	MFSK-16/20Bd	(AB)
XPA2	18-12	1400	15856	Sun	02197 00254 87555 ... 45143 18983 12630	MFSK-16/20Bd	(AB)
XPA2	18-12	1410	14767	Sun	02197 00254 87555 ... 45143 18983 12630	MFSK-16/20Bd	(AB)
XPA2	18-12	1420	13428	Sun	02197 00254 87555 ... 45143 18983 12630	MFSK-16/20Bd	(AB)
XPA2	18-12	1430	12183	Sun	02197 00254 87555 ... 45143 18983 12630	MFSK-16/20Bd	(AB)
XPA2	18-12	1440	11477	Sun	02197 00254 87555 ... 45143 18983 12630	MFSK-16/20Bd	(AB)
XPA2	18-12	1450	10227	Sun	02197 00254 87555 ... 45143 18983 12630	MFSK-16/20Bd	(AB)
XPA2	19-12	0800	11493	Mon	01372 00001 00000 33660	MFSK-16/20Bd	(AB)
XPA2	19-12	0820	13393	Mon	01372 00001 00000 33660	MFSK-16/20Bd	(AB)
XPA2	19-12	0840	13993	Mon	01372 00001 00000 33660	MFSK-16/20Bd	(AB)
XPA2	19-12	0910	13562	Mon	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	19-12	0930	11583	Mon	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	19-12	0950	10281	Mon	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	19-12	1100	20836	Mon	03916 00164 43874... 74328 86667 25553	MFSK-16/20Bd	(AB)
XPA2	19-12	1110	19372	Mon	03916 00164 43874... 74328 86667 25553	MFSK-16/20Bd	(AB)

XPA2	19-12	1120	18493	Mon	03916 00164 43874... 74328 86667 25553	MFSK-16/20Bd	(AB)
XPA2	19-12	1130	17451	Mon	03916 00164 43874... 74328 86667 25553	MFSK-16/20Bd	(AB)
XPA2	19-12	1140	16166	Mon	03916 00164 43874... 74328 86667 25553	MFSK-16/20Bd	(AB)
XPA2	19-12	1150	15956	Mon	03916 00164 43874... 74328 86667 25553	MFSK-16/20Bd	(AB)
XPA2	19-12	1200	20538	Mon	05014 00117 32286 ... 80562 89676 21111	MFSK-16/20Bd	(AB)
XPA2	19-12	1210	19909	Mon	05014 00117 32286 ... 80562 89676 21111	MFSK-16/20Bd	(AB)
XPA2	19-12	1220	18662	Mon	05014 00117 32286 ... 80562 89676 21111	MFSK-16/20Bd	(AB)
XPA2	19-12	1230	17421	Mon	05014 00117 32286 ... 80562 89676 21111	MFSK-16/20Bd	(AB)
XPA2	19-12	1240	16246	Mon	05014 00117 32286 ... 80562 89676 21111	MFSK-16/20Bd	(AB)
XPA2	19-12	1250	15863	Mon	05014 00117 32286 ... 80562 89676 21111	MFSK-16/20Bd	(AB)
XPA2	19-12	1300	19169	Mon	01761 00244 44602 ... 33992 51553 43572	MFSK-16/20Bd	(AB)
XPA2	19-12	1310	18252	Mon	01761 00244 44602 ... 33992 51553 43572	MFSK-16/20Bd	(AB)
XPA2	19-12	1320	17423	Mon	01761 00244 44602 ... 33992 51553 43572	MFSK-16/20Bd	(AB)
XPA2	19-12	1330	16076	Mon	01761 00244 44602 ... 33992 51553 43572	MFSK-16/20Bd	(AB)
XPA2	19-12	1340	15894	Mon	01761 00244 44602 ... 33992 51553 43572	MFSK-16/20Bd	(AB)
XPA2	19-12	1350	14461	Mon	01761 00244 44602 ... 33992 51553 43572	MFSK-16/20Bd	(AB)
XPA2	19-12	1400	15856	Mon	09257 00283 22976 ... 11881 37668 21241	MFSK-16/20Bd	(AB)
XPA2	19-12	1410	14767	Mon	09257 00283 22976 ... 11881 37668 21241	MFSK-16/20Bd	(AB)
XPA2	19-12	1420	13428	Mon	09257 00283 22976 ... 11881 37668 21241	MFSK-16/20Bd	(AB)
XPA2	19-12	1430	12183	Mon	09257 00283 22976 ... 11881 37668 21241	MFSK-16/20Bd	(AB)
XPA2	19-12	1440	11477	Mon	09257 00283 22976 ... 11881 37668 21241	MFSK-16/20Bd	(AB)
XPA2	19-12	1450	10227	Mon	09257 00283 22976 ... 11881 37668 21241	MFSK-16/20Bd	(AB)
XPA2	19-12	1600	6984	Mon	09758 00280 61249 ... 29810 16832 53762	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	19-12	1620	5884	Mon	09758 00280 61249 ... 29810 16832 53762	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	19-12	1640	4784	Mon	09758 00280 61249 ... 29810 16832 53762	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	20-12	0600	9281	Tue	00325 00087 95818 ... 07277 26895 22264	MFSK-16/20Bd	(AB)
XPA2	20-12	0620	10481	Tue	00325 00087 95818 ... 07277 26895 22264	MFSK-16/20Bd	(AB)
XPA2	20-12	0640	11481	Tue	00325 00087 95818 ... 07277 26895 22264	MFSK-16/20Bd	(AB)
XPA2	20-12	1100	9265	Tue	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB)
XPA2	20-12	1100	20836	Tue	09565 00290 10160 ... 93612 51660 56051	MFSK-16/20Bd	(AB)
XPA2	20-12	1110	19372	Tue	09565 00290 10160 ... 93612 51660 56051	MFSK-16/20Bd	(AB)
XPA2	20-12	1120	8165	Tue	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB)
XPA2	20-12	1120	18493	Tue	09565 00290 10160 ... 93612 51660 56051	MFSK-16/20Bd	(AB)
XPA2	20-12	1130	17451	Tue	09565 00290 10160 ... 93612 51660 56051	MFSK-16/20Bd	(AB)
XPA2	20-12	1140	7665	Tue	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB)
XPA2	20-12	1140	16166	Tue	09565 00290 10160 ... 93612 51660 56051	MFSK-16/20Bd	(AB)
XPA2	20-12	1150	15956	Tue	09565 00290 10160 ... 93612 51660 56051	MFSK-16/20Bd	(AB)
XPA2	20-12	1200	20538	Tue	08136 00258 18866 ... 21685 39863 15276	MFSK-16/20Bd	(AB)
XPA2	20-12	1200	10807	Tue	00117 00224 02264 ... 03872 45021 20427	MFSK-16/20Bd	(AB/MPJ-HNG)
XPA2	20-12	1210	19909	Tue	08136 00258 18866 ... 21685 39863 15276	MFSK-16/20Bd	(AB)
XPA2	20-12	1220	12207	Tue	00117 00224 02264 ... 03872 45021 20427	MFSK-16/20Bd	(AB)
XPA2	20-12	1220	18662	Tue	08136 00258 18866 ... 21685 39863 15276	MFSK-16/20Bd	(AB)

XPA2	20-12	1230	17421	Tue	08136 00258 18866 ... 21685 39863 15276	MFSK-16/20Bd	(AB)
XPA2	20-12	1240	16246	Tue	08136 00258 18866 ... 21685 39863 15276	MFSK-16/20Bd	(AB)
XPA2	20-12	1240	13507	Tue	00117 00224 02264 ... 03872 45021 20427	MFSK-16/20Bd	(AB/MPJ-HNG)
XPA2	20-12	1250	15863	Tue	08136 00258 18866 ... 21685 39863 15276	MFSK-16/20Bd	(AB)
XPA2	20-12	1300	19169	Tue	01259 00194 96132 ... 61629 31990 00641	MFSK-16/20Bd	(AB)
XPA2	20-12	1310	18252	Tue	01259 00194 96132 ... 61629 31990 00641	MFSK-16/20Bd	(AB)
XPA2	20-12	1320	17423	Tue	01259 00194 96132 ... 61629 31990 00641	MFSK-16/20Bd	(AB)
XPA2	20-12	1330	16076	Tue	01259 00194 96132 ... 61629 31990 00641	MFSK-16/20Bd	(AB)
XPA2	20-12	1340	15894	Tue	01259 00194 96132 ... 61629 31990 00641	MFSK-16/20Bd	(AB)
XPA2	20-12	1350	14461	Tue	01259 00194 96132 ... 61629 31990 00641	MFSK-16/20Bd	(AB)
XPA2	20-12	1400	15856	Tue	04157 00170 90998 ... 61717 27993 40453	MFSK-16/20Bd	(AB)
XPA2	20-12	1410	14767	Tue	04157 00170 90998 ... 61717 27993 40453	MFSK-16/20Bd	(AB)
XPA2	20-12	1420	13428	Tue	04157 00170 90998 ... 61717 27993 40453	MFSK-16/20Bd	(AB)
XPA2	20-12	1430	12183	Tue	04157 00170 90998 ... 61717 27993 40453	MFSK-16/20Bd	(AB)
XPA2	20-12	1440	11477	Tue	04157 00170 90998 ... 61717 27993 40453	MFSK-16/20Bd	(AB)
XPA2	20-12	1450	10227	Tue	04157 00170 90998 ... 61717 27993 40453	MFSK-16/20Bd	(AB)
XPA2	20-12	1600	8184	Tue	08295 00001 00000 34671	MFSK-16/20Bd	(AB)
XPA2	20-12	1620	7684	Tue	08295 00001 00000 34671	MFSK-16/20Bd	(AB)
XPA2	20-12	1640	6784	Tue	08295 00001 00000 34671	MFSK-16/20Bd	(AB)
XPA2	21-12	0800	11493	Wed	02113 00001 00000 33253	MFSK-16/20Bd	(AB)
XPA2	21-12	0820	13393	Wed	02113 00001 00000 33253	MFSK-16/20Bd	(AB)
XPA2	21-12	0840	13993	Wed	02113 00001 00000 33253	MFSK-16/20Bd	(AB)
XPA2	21-12	0910	13562	Wed	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	21-12	0930	11583	Wed	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	21-12	0950	10281	Wed	07831 00114 15299 ... 66441 10491 52103	MFSK-16/20Bd	(AB)
XPA2	21-12	1100	11579	Wed	00125 00170 89863 ... 14314 19239 04140	MFSK-16/20Bd	(AB)
XPA2	21-12	1100	20836	Wed	09303 00284 32859 ... 64911 02988 43776	MFSK-16/20Bd	(AB)
XPA2	21-12	1110	19372	Wed	09303 00284 32859 ... 64911 02988 43776	MFSK-16/20Bd	(AB)
XPA2	21-12	1120	10979	Wed	00125 00170 89863 ... 14314 19239 04140	MFSK-16/20Bd	(AB)
XPA2	21-12	1120	18493	Wed	09303 00284 32859 ... 64911 02988 43776	MFSK-16/20Bd	(AB)
XPA2	21-12	1130	17451	Wed	09303 00284 32859 ... 64911 02988 43776	MFSK-16/20Bd	(AB)
XPA2	21-12	1140	10279	Wed	00125 00170 89863 ... 14314 19239 04140	MFSK-16/20Bd	(AB)
XPA2	21-12	1140	16166	Wed	09303 00284 32859 ... 64911 02988 43776	MFSK-16/20Bd	(AB)
XPA2	21-12	1150	15956	Wed	09303 00284 32859 ... 64911 02988 43776	MFSK-16/20Bd	(AB)
XPA2	21-12	1200	14841	Wed	00175 00120 64251 ... 49831 38547 65224	MFSK-16/20Bd	(AB)
XPA2	21-12	1200	20538	Wed	06756 00260 75139 ... 59224 97485 61211	MFSK-16/20Bd	(AB)
XPA2	21-12	1210	19909	Wed	06756 00260 75139 ... 59224 97485 61211	MFSK-16/20Bd	(AB)
XPA2	21-12	1220	16241	Wed	00175 00120 64251 ... 49831 38547 65224	MFSK-16/20Bd	(AB)
XPA2	21-12	1220	18662	Wed	06756 00260 75139 ... 59224 97485 61211	MFSK-16/20Bd	(AB)
XPA2	21-12	1230	17421	Wed	06756 00260 75139 ... 59224 97485 61211	MFSK-16/20Bd	(AB)
XPA2	21-12	1240	16246	Wed	06756 00260 75139 ... 59224 97485 61211	MFSK-16/20Bd	(AB)
XPA2	21-12	1240	18241	Wed	00175 00120 64251 ... 49831 38547 65224	MFSK-16/20Bd	(AB)

XPA2	21-12	1250	15863	Wed	06756 00260 75139 ... 59224 97485 61211	MFSK-16/20Bd	(AB)
XPA2	21-12	1300	19169	Wed	08288 00294 81872 ... 11096 36569 15544	MFSK-16/20Bd	(AB)
XPA2	21-12	1310	18252	Wed	08288 00294 81872 ... 11096 36569 15544	MFSK-16/20Bd	(AB)
XPA2	21-12	1320	17423	Wed	08288 00294 81872 ... 11096 36569 15544	MFSK-16/20Bd	(AB)
XPA2	21-12	1330	16076	Wed	08288 00294 81872 ... 11096 36569 15544	MFSK-16/20Bd	(AB)
XPA2	21-12	1340	15894	Wed	08288 00294 81872 ... 11096 36569 15544	MFSK-16/20Bd	(AB)
XPA2	21-12	1350	14461	Wed	08288 00294 81872 ... 11096 36569 15544	MFSK-16/20Bd	(AB)
XPA2	21-12	1400	15856	Wed	06075 00230 20625 ... 41426 66933 64156	MFSK-16/20Bd	(AB)
XPA2	21-12	1410	14767	Wed	06075 00230 20625 ... 41426 66933 64156	MFSK-16/20Bd	(AB)
XPA2	21-12	1420	13428	Wed	06075 00230 20625 ... 41426 66933 64156	MFSK-16/20Bd	(AB)
XPA2	21-12	1430	12183	Wed	06075 00230 20625 ... 41426 66933 64156	MFSK-16/20Bd	(AB)
XPA2	21-12	1440	11477	Wed	06075 00230 20625 ... 41426 66933 64156	MFSK-16/20Bd	(AB)
XPA2	21-12	1450	10227	Wed	06075 00230 20625 ... 41426 66933 64156	MFSK-16/20Bd	(AB)
XPA2	22-12	0600	9281	Thu	00325 00087 95818 ... 07277 26895 22264	MFSK-16/20Bd	(AB)
XPA2	22-12	0620	10481	Thu	00325 00087 95818 ... 07277 26895 22264	MFSK-16/20Bd	(AB)
XPA2	22-12	0640	11481	Thu	00325 00087 95818 ... 07277 26895 22264	MFSK-16/20Bd	(AB)
XPA2	22-12	0910	13919	Thu	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	22-12	0930	11519	Thu	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	22-12	0950	10719	Thu	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	22-12	1100	11579	Thu	00125 00170 89863 ... 14314 19239 04140	MFSK-16/20Bd	(AB)
XPA2	22-12	1100	20836	Thu	02856 00140 99395 ... 37840 19802 26732	MFSK-16/20Bd	(AB)
XPA2	22-12	1110	19372	Thu	02856 00140 99395 ... 37840 19802 26732	MFSK-16/20Bd	(AB)
XPA2	22-12	1120	10979	Thu	00125 00170 89863 ... 14314 19239 04140	MFSK-16/20Bd	(AB)
XPA2	22-12	1120	18493	Thu	02856 00140 99395 ... 37840 19802 26732	MFSK-16/20Bd	(AB)
XPA2	22-12	1130	17451	Thu	02856 00140 99395 ... 37840 19802 26732	MFSK-16/20Bd	(AB)
XPA2	22-12	1140	10279	Thu	00125 00170 89863 ... 14314 19239 04140	MFSK-16/20Bd	(AB)
XPA2	22-12	1140	16166	Thu	02856 00140 99395 ... 37840 19802 26732	MFSK-16/20Bd	(AB)
XPA2	22-12	1150	15956	Thu	02856 00140 99395 ... 37840 19802 26732	MFSK-16/20Bd	(AB)
XPA2	22-12	1200	20538	Thu	02335 00162 27010 ... 93561 72149 40432	MFSK-16/20Bd	(AB)
XPA2	22-12	1210	19909	Thu	02335 00162 27010 ... 93561 72149 40432	MFSK-16/20Bd	(AB)
XPA2	22-12	1220	18662	Thu	02335 00162 27010 ... 93561 72149 40432	MFSK-16/20Bd	(AB)
XPA2	22-12	1230	17421	Thu	02335 00162 27010 ... 93561 72149 40432	MFSK-16/20Bd	(AB/RL)
XPA2	22-12	1240	16246	Thu	02335 00162 27010 ... 93561 72149 40432	MFSK-16/20Bd	(AB/RL)
XPA2	22-12	1250	15863	Thu	02335 00162 27010 ... 93561 72149 40432	MFSK-16/20Bd	(AB)
XPA2	22-12	1300	19169	Thu	07326 00240 50398 ... 25252 37857 71520	MFSK-16/20Bd	(AB)
XPA2	22-12	1310	18252	Thu	07326 00240 50398 ... 25252 37857 71520	MFSK-16/20Bd	(AB/RL)
XPA2	22-12	1320	17423	Thu	07326 00240 50398 ... 25252 37857 71520	MFSK-16/20Bd	(AB)
XPA2	22-12	1330	16076	Thu	07326 00240 50398 ... 25252 37857 71520	MFSK-16/20Bd	(AB)
XPA2	22-12	1340	15894	Thu	07326 00240 50398 ... 25252 37857 71520	MFSK-16/20Bd	(AB)
XPA2	22-12	1350	14461	Thu	07326 00240 50398 ... 25252 37857 71520	MFSK-16/20Bd	(AB)
XPA2	22-12	1400	15856	Thu	06174 00104 53782 ... 24459 84552 23625	MFSK-16/20Bd	(AB)
XPA2	22-12	1410	14767	Thu	06174 00104 53782 ... 24459 84552 23625	MFSK-16/20Bd	(AB)

XPA2	22-12	1420	13428	Thu	06174 00104 53782 ... 24459 84552 23625	MFSK-16/20Bd	(AB)
XPA2	22-12	1430	12183	Thu	06174 00104 53782 ... 24459 84552 23625	MFSK-16/20Bd	(AB)
XPA2	22-12	1440	11477	Thu	06174 00104 53782 ... 24459 84552 23625	MFSK-16/20Bd	(AB)
XPA2	22-12	1450	10227	Thu	06174 00104 53782 ... 24459 84552 23625	MFSK-16/20Bd	(AB)
XPA2	22-12	1600	8184	Thu	07231 00001 00000 32662	MFSK-16/20Bd	(AB)
XPA2	22-12	1620	7684	Thu	07231 00001 00000 32662	MFSK-16/20Bd	(AB)
XPA2	22-12	1640	6784	Thu	07231 00001 00000 32662	MFSK-16/20Bd	(AB)
XPA2	23-12	0900	16347	Fri	09124 00129 47643 ... 41756 81469 75968 36051	MFSK-16/20Bd	(AB)
XPA2	23-12	0920	18247	Fri	09124 00129 47643 ... 41756 81469 75968 36051	MFSK-16/20Bd	(AB)
XPA2	23-12	0940	19547	Fri	09124 00129 47643 ... 41756 81469 75968 36051	MFSK-16/20Bd	(AB)
XPA2	23-12	1100	20836	Fri	01297 00119 54108 ... 16173 20337 37511	MFSK-16/20Bd	(AB)
XPA2	23-12	1100	9265	Fri	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB/MPJ)
XPA2	23-12	1110	19372	Fri	01297 00119 54108 ... 16173 20337 37511	MFSK-16/20Bd	(AB)
XPA2	23-12	1120	18493	Fri	01297 00119 54108 ... 16173 20337 37511	MFSK-16/20Bd	(AB)
XPA2	23-12	1120	8165	Fri	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB/MPJ)
XPA2	23-12	1130	17451	Fri	01297 00119 54108 ... 16173 20337 37511	MFSK-16/20Bd	(AB)
XPA2	23-12	1140	16166	Fri	01297 00119 54108 ... 16173 20337 37511	MFSK-16/20Bd	(AB)
XPA2	23-12	1140	7665	Fri	09806 00161 57075 ... 58434 16880 32656	MFSK-16/20Bd	(AB/MPJ)
XPA2	23-12	1150	15956	Fri	01297 00119 54108 ... 16173 20337 37511	MFSK-16/20Bd	(AB)
XPA2	23-12	1200	14841	Fri	00175 00120 64251 ... 49831 38547 65224	MFSK-16/20Bd	(AB)
XPA2	23-12	1200	20538	Fri	07272 00271 35353 ... 13237 34486 01436	MFSK-16/20Bd	(AB)
XPA2	23-12	1210	19909	Fri	07272 00271 35353 ... 13237 34486 01436	MFSK-16/20Bd	(AB)
XPA2	23-12	1220	16241	Fri	00175 00120 64251 ... 49831 38547 65224	MFSK-16/20Bd	(AB)
XPA2	23-12	1220	18662	Fri	07272 00271 35353 ... 13237 34486 01436	MFSK-16/20Bd	(AB)
XPA2	23-12	1230	17421	Fri	07272 00271 35353 ... 13237 34486 01436	MFSK-16/20Bd	(AB)
XPA2	23-12	1240	16246	Fri	07272 00271 35353 ... 13237 34486 01436	MFSK-16/20Bd	(AB)
XPA2	23-12	1240	18241	Fri	00175 00120 64251 ... 49831 38547 65224	MFSK-16/20Bd	(AB)
XPA2	23-12	1250	15863	Fri	07272 00271 35353 ... 13237 34486 01436	MFSK-16/20Bd	(AB)
XPA2	23-12	1300	19169	Fri	08394 00264 15731 ... 96821 21616 05625	MFSK-16/20Bd	(AB)
XPA2	23-12	1310	18252	Fri	08394 00264 15731 ... 96821 21616 05625	MFSK-16/20Bd	(AB)
XPA2	23-12	1320	17423	Fri	08394 00264 15731 ... 96821 21616 05625	MFSK-16/20Bd	(AB)
XPA2	23-12	1330	16076	Fri	08394 00264 15731 ... 96821 21616 05625	MFSK-16/20Bd	(AB)
XPA2	23-12	1340	15894	Fri	08394 00264 15731 ... 96821 21616 05625	MFSK-16/20Bd	(AB)
XPA2	23-12	1350	14461	Fri	08394 00264 15731 ... 96821 21616 05625	MFSK-16/20Bd	(AB)
XPA2	23-12	1400	15856	Fri	08062 00146 81136 ... 74279 29842 20054	MFSK-16/20Bd	(AB)
XPA2	23-12	1410	14767	Fri	08062 00146 81136 ... 74279 29842 20054	MFSK-16/20Bd	(AB)
XPA2	23-12	1420	13428	Fri	08062 00146 81136 ... 74279 29842 20054	MFSK-16/20Bd	(AB)
XPA2	23-12	1430	12183	Fri	08062 00146 81136 ... 74279 29842 20054	MFSK-16/20Bd	(AB)
XPA2	23-12	1440	11477	Fri	08062 00146 81136 ... 74279 29842 20054	MFSK-16/20Bd	(AB)
XPA2	23-12	1450	10227	Fri	08062 00146 81136 ... 74279 29842 20054	MFSK-16/20Bd	(AB)
XPA2	24-12	0910	13919	Sat	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	24-12	0930	11519	Sat	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)

XPA2	24-12	0950	10719	Sat	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	24-12	1600	6984	Sat	09758 00280 61249 ... 29810 16832 53762	MFSK-16/20Bd	(AB)
XPA2	24-12	1620	5884	Sat	09758 00280 61249 ... 29810 16832 53762	MFSK-16/20Bd	(AB)
XPA2	24-12	1640	4784	Sat	09758 00280 61249 ... 29810 16832 53762	MFSK-16/20Bd	(AB)
XPA2	25-12	0900	16347	Sun	09124 00129 47643 ... 41756 81469 75968 36051	MFSK-16/20Bd	(AB)
XPA2	25-12	0920	18247	Sun	09124 00129 47643 ... 41756 81469 75968 36051	MFSK-16/20Bd	(AB)
XPA2	25-12	0940	19547	Sun	09124 00129 47643 ... 41756 81469 75968 36051	MFSK-16/20Bd	(AB)
XPA2	25-12	1200	10807	Sun	00117 00224 02264 ... 03872 45021 20427	MFSK-16/20Bd	(AB)
XPA2	25-12	1220	12207	Sun	00117 00224 02264 ... 03872 45021 20427	MFSK-16/20Bd	(AB)
XPA2	25-12	1240	13507	Sun	00117 00224 02264 ... 03872 45021 20427	MFSK-16/20Bd	(AB)
XPA2	26-12	0800	11493	Mon	06710 00001 00000 34657	MFSK-16/20Bd	(AB)
XPA2	26-12	0820	13393	Mon	06710 00001 00000 34657	MFSK-16/20Bd	(AB)
XPA2	26-12	0840	13993	Mon	06710 00001 00000 34657	MFSK-16/20Bd	(AB)
XPA2	26-12	0910	13562	Mon	09854 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	26-12	0930	11583	Mon	09854 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	26-12	0950	10281	Mon	09854 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	26-12	1600	6984	Mon	03250 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	26-12	1620	5884	Mon	03250 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	26-12	1640	4784	Mon	03250 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	27-12	0600	9281	Tue	07261 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	27-12	0620	10481	Tue	07261 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	27-12	0640	11481	Tue	07261 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	27-12	1100	9265	Tue	04863 00001 00000 36662	MFSK-16/20Bd	(AB/MPJ)
XPA2	27-12	1120	8165	Tue	04863 00001 00000 36662	MFSK-16/20Bd	(AB/MPJ)
XPA2	27-12	1140	7665	Tue	04863 00001 00000 36662	MFSK-16/20Bd	(AB/MPJ)
XPA2	27-12	1200	10807	Tue	00290 00212 75173 ... 15093 67446 21334	MFSK-16/20Bd	(AB/MPJ)
XPA2	27-12	1220	12207	Tue	00290 00212 75173 ... 15093 67446 21334	MFSK-16/20Bd	(AB/MPJ)
XPA2	27-12	1240	13507	Tue	00290 00212 75173 ... 15093 67446 21334	MFSK-16/20Bd	(AB/MPJ)
XPA2	27-12	1600	8184	Tue	04942 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	27-12	1620	7684	Tue	04942 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	27-12	1640	6784	Tue	04942 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	28-12	0800	11493	Wed	06330 00001 00000 32661	MFSK-16/20Bd	(AB)
XPA2	28-12	0820	13393	Wed	06330 00001 00000 32661	MFSK-16/20Bd	(AB)
XPA2	28-12	0840	13993	Wed	06330 00001 00000 32661	MFSK-16/20Bd	(AB)
XPA2	28-12	0910	13562	Wed	04322 00001 00000 33656	MFSK-16/20Bd	(AB)
XPA2	28-12	0930	11583	Wed	04322 00001 00000 33656	MFSK-16/20Bd	(AB)
XPA2	28-12	0950	10281	Wed	04322 00001 00000 33656	MFSK-16/20Bd	(AB)
XPA2	28-12	1100	11579	Wed	00510 00168 83242 ... 27916 06339 77652	MFSK-16/20Bd	(AB)
XPA2	28-12	1120	10979	Wed	00510 00168 83242 ... 27916 06339 77652	MFSK-16/20Bd	(AB)
XPA2	28-12	1140	10279	Wed	00510 00168 83242 ... 27916 06339 77652	MFSK-16/20Bd	(AB)
XPA2	28-12	1200	14841	Wed	00268 00202 82786 ... 25985 33575 16453	MFSK-16/20Bd	(AB)
XPA2	28-12	1220	16241	Wed	00268 00202 82786 ... 25985 33575 16453	MFSK-16/20Bd	(AB/RL)

XPA2	28-12	1240	18241	Wed	00268 00202 82786 ... 25985 33575 16453	MFSK-16/20Bd	(AB/RL)
XPA2	29-12	0600	9281	Thu	03117 00001 00000 35254	MFSK-16/20Bd	(AB)
XPA2	29-12	0620	10481	Thu	03117 00001 00000 35254	MFSK-16/20Bd	(AB)
XPA2	29-12	0640	11481	Thu	03117 00001 00000 35254	MFSK-16/20Bd	(AB)
XPA2	29-12	0910	13919	Thu	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	29-12	0930	11519	Thu	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	29-12	0950	10719	Thu	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	29-12	1100	11579	Thu	00510 00168 83242 ... 27916 06339 77652	MFSK-16/20Bd	(AB)
XPA2	29-12	1120	10979	Thu	00510 00168 83242 ... 27916 06339 77652	MFSK-16/20Bd	(AB)
XPA2	29-12	1140	10279	Thu	00510 00168 83242 ... 27916 06339 77652	MFSK-16/20Bd	(AB)
XPA2	29-12	1600	8184	Thu	01792 00001 00000 35662	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-12	1620	7684	Thu	01792 00001 00000 35662	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-12	1640	6784	Thu	01792 00001 00000 35662	MFSK-16/20Bd	(AB/MPJ)
XPA2	30-12	0900	16347	Fri	02764 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	30-12	0920	18247	Fri	02764 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	30-12	0940	19547	Fri	02764 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	30-12	1100	9265	Fri	03999 00001 00000 42264	MFSK-16/20Bd	(AB)
XPA2	30-12	1120	8165	Fri	03999 00001 00000 42264	MFSK-16/20Bd	(AB)
XPA2	30-12	1140	7665	Fri	03999 00001 00000 42264	MFSK-16/20Bd	(AB)
XPA2	30-12	1200	14841	Fri	00268 00202 82786 ... 25985 33575 16453	MFSK-16/20Bd	(AB/RL)
XPA2	30-12	1220	16241	Fri	00268 00202 82786 ... 25985 33575 16453	MFSK-16/20Bd	(AB/RL)
XPA2	30-12	1240	18241	Fri	00268 00202 82786 ... 25985 33575 16453	MFSK-16/20Bd	(AB/RL)
XPA2	31-12	0910	13919	Sat	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	31-12	0930	11519	Sat	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	31-12	0950	10719	Sat	08127 00114 24079 ... 72431 43062 54213	MFSK-16/20Bd	(AB)
XPA2	31-12	1600	6984	Sat	02214 00001 00000 34253	MFSK-16/20Bd	(AB/MPJ)
XPA2	31-12	1620	5884	Sat	02214 00001 00000 34253	MFSK-16/20Bd	(AB/MPJ)
XPA2	31-12	1640	4784	Sat	02214 00001 00000 34253	MFSK-16/20Bd	(AB/MPJ)
XPB1	2-12	1300	20044	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-12	1310	19344	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-12	1320	18544	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-12	1330	17444	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-12	1340	16244	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-12	1350	14944	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-12	1100	14483	Sat	Russian intel.	MFSK-16	(AB/MPJ/RL/HFD)
XPB1	3-12	1110	13983	Sat	Russian intel.	MFSK-16	(AB/RL/HFD)
XPB1	3-12	1120	13483	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-12	1130	12183	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-12	1140	11583	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-12	1150	10983	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-12	1200	14978	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	3-12	1210	13978	Sat	Russian intel.	MFSK-16	(HFD)

XPB1	3-12	1220	13378	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	3-12	1230	12178	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	3-12	1240	11078	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	3-12	1250	10278	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	5-12	0600	12119	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-12	0610	13419	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-12	0620	13919	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-12	0630	14418	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-12	0640	14918	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-12	0650	15918	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-12	1100	14483	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	5-12	1110	13983	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	5-12	1120	13483	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	5-12	1130	12183	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-12	1140	11583	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-12	1150	10983	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-12	0600	12119	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	0610	13419	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	0620	13919	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	0630	14418	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	0640	14918	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	0650	15918	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	1300	20044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	1310	19344	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	1320	18544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	1330	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	1340	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-12	1350	14944	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-12	1200	14978	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-12	1210	13978	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-12	1220	13378	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-12	1230	12178	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-12	1240	11078	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-12	1250	10278	Wed	Russian intel.	MFSK-16	(AB)
XPB1	9-12	1300	20044	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-12	1310	19344	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-12	1320	18544	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-12	1330	17444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-12	1340	16244	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-12	1350	14944	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-12	1100	14483	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-12	1110	13983	Sat	Russian intel.	MFSK-16	(AB)

XPB1	10-12	1120	13483	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-12	1130	12183	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10-12	1140	11583	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-12	1150	10983	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10-12	1200	14978	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10-12	1210	13978	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-12	1220	13378	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-12	1230	12178	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-12	1240	11078	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-12	1250	10278	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12-12	0600	12119	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	0610	13419	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	0620	13919	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	0630	14418	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	0640	14918	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	0650	15918	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	1100	14483	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	1110	13983	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	1120	13483	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	1130	12183	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	1140	11583	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-12	1150	10983	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-12	0600	12119	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	0610	13419	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	0620	13919	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	0630	14418	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	0640	14918	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	0650	15918	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	1300	20044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	1310	19344	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	1320	18544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	1330	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	1340	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-12	1350	14944	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-12	1200	14978	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-12	1210	13978	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-12	1220	13378	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-12	1230	12178	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-12	1240	11078	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-12	1250	10278	Wed	Russian intel.	MFSK-16	(AB)
XPB1	16-12	1300	20044	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-12	1310	19344	Fri	Russian intel.	MFSK-16	(AB)

XPB1	16-12	1320	18544	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-12	1330	17444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-12	1340	16244	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-12	1350	14944	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1100	14483	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1110	13983	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1120	13483	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1130	12183	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1140	11583	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1150	10983	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1200	14978	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1210	13978	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1220	13378	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1230	12178	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1240	11078	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-12	1250	10278	Sat	Russian intel.	MFSK-16	(AB)
XPB1	19-12	0600	12119	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	0610	13419	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	0620	13919	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	0630	14418	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	0640	14918	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	0650	15918	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	1100	14483	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	1110	13983	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	1120	13483	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	1130	12183	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	1140	11583	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-12	1150	10983	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-12	0600	12119	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	0610	13419	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	0620	13919	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	0630	14418	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	0640	14918	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	0650	15918	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	1300	20044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	1310	19344	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	1320	18544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	1330	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	1340	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-12	1350	14944	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-12	1200	14978	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-12	1210	13978	Wed	Russian intel.	MFSK-16	(AB)

XPB1	21-12	1220	13378	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-12	1230	12178	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-12	1240	11078	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-12	1250	10278	Wed	Russian intel.	MFSK-16	(AB)
XPB1	23-12	1300	20044	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-12	1310	19344	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-12	1320	18544	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-12	1330	17444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-12	1340	16244	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-12	1350	14944	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-12	1100	14483	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-12	1110	13983	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-12	1120	13483	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	24-12	1130	12183	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-12	1140	11583	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-12	1150	10983	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-12	1200	14978	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	24-12	1210	13978	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-12	1220	13378	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-12	1230	12178	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-12	1240	11078	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-12	1250	10278	Sat	Russian intel.	MFSK-16	(AB)
XPB1	26-12	0600	12119	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-12	0610	13419	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-12	0620	13919	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-12	0630	14418	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-12	0640	14918	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-12	0650	15918	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-12	1100	14483	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	26-12	1110	13983	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-12	1120	13483	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	26-12	1130	12183	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-12	1140	11583	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-12	1150	10983	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-12	0600	12119	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-12	0610	13419	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-12	0620	13919	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-12	0630	14418	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-12	0640	14918	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-12	0650	15918	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-12	1300	20044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-12	1310	19344	Tue	Russian intel.	MFSK-16	(AB)

XPB1	27-12	1320	18544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-12	1330	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-12	1340	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-12	1350	14944	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-12	1200	14978	Wed	Russian intel.	MFSK-16	(AB)
XPB1	28-12	1210	13978	Wed	Russian intel.	MFSK-16	(AB/RL)
XPB1	28-12	1220	13378	Wed	Russian intel.	MFSK-16	(AB)
XPB1	28-12	1230	12178	Wed	Russian intel.	MFSK-16	(AB)
XPB1	28-12	1240	11078	Wed	Russian intel.	MFSK-16	(AB)
XPB1	28-12	1250	10278	Wed	Russian intel.	MFSK-16	(AB)
XPB1	30-12	1300	20044	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-12	1310	19344	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-12	1320	18544	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-12	1330	17444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-12	1340	16244	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-12	1350	14944	Fri	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1100	14483	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1110	13983	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1120	13483	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1130	12183	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1140	11583	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1150	10983	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1200	14978	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1210	13978	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1220	13378	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1230	12178	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1240	11078	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-12	1250	10278	Sat	Russian intel.	MFSK-16	(AB)
XSL	14-12	1533	4231.5	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	14-12	1533	4291	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	14-12	1533	6250	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	14-12	1533	6417	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	14-12	1533	6445	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	14-12	1533	8313	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	14-12	1533	8587.5	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	26-12	0540	4231.5	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	26-12	0540	4291	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	26-12	0540	6250	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	26-12	0540	6417	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	26-12	0540	6445	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	26-12	0540	8313	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	26-12	0540	8587.5	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-AUT	Ary Boender via remote rx Austria
AB-CYP	Ary Boender via remote rx Cyprus
AB-GRC	Ary Boender via remote rx Greece
AB-HNG	Ary Boender via remote rx Hungary
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-KWT	Ary Boender via remote rx Kuwait
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
Dan	Daniel LU5EMM, Argentina
Dan-J	Daniel LU5EMM via remote rx Japan
EW	Eddy Waters, Australia
FD	Full Day Waterfall, University Twente SDR
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
JPL	JPL, NB, Canada (and various remote rx)
Mario-J	Mario via remote rx Japan
Moon	Moonlight (Dave AU)
MPJ	Jim, SW England
MPJ-FIN	Jim via remote rx Finland
MPJ-HNG	Jim via remote rx Hungary
MPJ-HOL	Jim via remote rx Netherlands
MPJ-POL	Jim via remote rx Poland
OH8EFI	OH8EFI Finland via Priyom
Pof	Pofista1_975 via Priyom
PY	Pierre Ynard, France and via remote rx
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
RR2	Rich Ray, IL, USA
RXR	Romeo X-Ray 39
Subilo	Subilo
T101	RadiotehnikaT101 via Priyom

APPENDIX

Designators of active stations

Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrid modes
M(C)	Morse code (Chinese)
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

Voice stations

Code	Language	Origin	Related stations
E06	English	Russia	G06, G06b, S06, S06b, S06c, M14, F01, F06, F06a
E07	English	Russia	E07a, V07, M12, XPA1, XPA2, XPB1, F07, P07
E07a	English	Russia	E07, V07, M12, XPA1, XPA2, XPB1, F07, P07
E11	English	Poland	E11a, S11a, F03, P03
E11a	English	Poland	E11, S11a, F03, P03
E17z	English	Ukraine	S06s
E25	English	Egypt	E25a
E25a	English	Egypt	E25
G06	German	Russia	E06, G06b, S06, S06b, S06c, M14, F01, F06, F06a
G06b	German	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06, F06a
S06	Russian	Russia	E06, G06, G06b, S06b, S06c, M14, F01, F06, F06a
S06b	Russian	Russia	E06, G06, G06b, S06, S06c, M14, F01, F06, F06a
S06c	Russian	Russian	E06, G06, G06b, S06, S06b, M14, F01, F06, F06a
S06s	Russian	Ukraine	E17z
S11a	Russian	Poland	E11, E11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, M12, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V15	Korean	North Korea	
V24	Korean	South Korea	
V26	Chinese	China	M95, Q26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

Morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, XPA1, XPA2, XPB1, P07, V07
M14	Morse	Russia	E06, G06, G06b, S06, S06b, S06c, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M89	Morse	China	
M95	Morse	China	V26, Q26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM04	Morse	Bulgaria	PROMRCh daily schedule
UM10	Morse	?	

Digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F06, F06a
F02	MFSK-4/150Bd/4000Hz	Russia	
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06a
F06a	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06
F07	5xMFSK-16/10Bd/20Hz+250Bd BPSK bursts	Russia	E07, V07, M12, XPA2, XPB1, P07
HM01	Voice + RDFT or WinDRM	Cuba	
M42	Various modes	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
P07	8xQSPK/62.5Bd/125Hz+250Bd BPSK bursts	Russia	E07, V07, M12, XPA2, XPB1, F07
Q26	4+4 QPSK	China	V26, M95
SK01	Various	Cuba	
X06	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06a	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06b	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06c	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06d	CW	Russia	X06a, X06b, X06c, X06d
XPA	MFSK-20	Russia	E07, V07, M12, XPA2, XPB1, F07, P07
XPA2	MFSK-16	Russia	E07, V07, M12, XPA1, XPB1, F07, P07
XPB1	MFSK-16	Russia	E07, V07, M12, XPA1, XPA2, F07, P07

Figures and words used by the various numbers stations

Cut numbers

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	— . . — .
Out	Out	Konets	

Note: M03 and M08a are defunct.

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zéro	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	. . — — —	Hai	To	Dwojka	Twso	Two
3	. . . — —	Ba	Fwee	Trojka	Drei	Three
4	. . . . —	Bô'n	Fo	Cienciorka	Vier	Four
5	Năm	Fav	Pietiorika	Funuf	Fiver
6	—	Sáu	Six	Szest	Sechs	Six
7	— — . . .	Ba | y	Seven	Siem	Sieben	Seven
8	— — — . .	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	—					
/	—					

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- - . - -
C	- . - .	3	. . . - -	Colon	[:]	- - - . .
D	- . .	4	. . . . -	Question mark	[?]	. - - - .
E	.	5	. . . . .	Exclamation mark	[!]	- . - . -
F	. . - .	6	-	Apostrophe	[']	. - - - -
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- . . . -
H	. . . .	8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - -
K	- . -			Quotation marks	[" "]	. - . - .
L	. - . .			Equals sign	[BT =]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .	Ä	. - . -	Plus sign	[+]	. - . - .
O	- - -	Á	. - - - -	Invitation to transmit		- . -
P	. - - .	CH	- - - -	Wait	[AS]	. - . . .
Q	- - . -	É	. . - . .	End of Transmission	[SK, VA]	. . . - . -
R	. - .	Ö	- - - .	End of message	[AR]	. - . - .
S	. . .	Ü	. . - -	Starting signal		- . - . -
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - . -
W	. - -			Ampersand	[&]	. - . . .
X	- . . -					
Y	- . - -					
Z	- - . .					

See also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

E11 family digital transmission modes.

Most modes are very much the same and have only very small differences.

FSK transmissions

F03	Undefined FSK
F03a	FSK-2 100Bd/200Hz cf + 600Hz
F03b	FSK-2 200Bd/400Hz
F03c	FSK-2 400Bd/960Hz/cf +1120Hz/448-bit period
F03d	FSK-2 200Bd/400Hz/cf +600Hz/448-bit period
F03f	FSK-2 400Bd/800Hz/cf +1200Hz/496-bit period
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period
F11	FSK 100Bd/620Hz and FSK 100Bd/740Hz

PSK transmissions

P03	Undefined PSK
P03a	BPSK 62.5Bd
P03b	QPSK 62.5Bd
P03c	BPSK 125Bd
P03d	QPSK 125Bd/448-bit period
P03e	QPSK 100Bd/488-bit period
P03f	QPSK 200Bd/496-bit period
P03g	BPSK 50Bd/464-bit period
P03h	BPSK 100Bd/512-bit period
P03i	BPSK 62.5Bd/464-bit period
P03j	QPSK 100Bd/504-bit period
P03k	BPSK 100Bd/480-bit period
P03l	QPSK 100Bd/464-bit period

Notes:

- Bit Period is the time needed to transmit one bit
- N&O uses designator POL for Polish digital modes without a designator
- Defunct modes F03a, F03b, F11, P03a, P03b, P03c

COLOPHON

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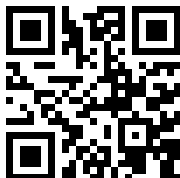
NUMBERS STATIONS SCHEDULES <http://priyom.org/number-stations/station-schedule>

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

976 27364 92886 89428 61288 14982 36498 32764 81276 81
986 40932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 1
7591 87364 87265 96718 27638 12673 84769 28743 98127 5
758 63298 75698 27465 87326 49876 28376 81273 98615 86
67 87432 74328 78674 29867 32867 67867 86786 43276 486
67 68768 68763 34234 34238 68768 62342 48273 48768 230
936 98432 32432 86743 43286 43286 43286 43286 43286 432
743 86743 86743 39867 32867 86743 43286 43286 43243 86
751 86743 86743 86743 86743 86743 86743 86743 86743 86
983 98798 98754 98754 98754 98754 29867 67543 67986 86
976 87698 69876 87698 69876 87612 12341 34867 86798 652
867 43298 65656 56756 56123 32143 14321 32143 14321 321
867 87287 58765 76587 58765 76587 58765 76587 58756 765
86743 86543 86543 86543 86543 86543 86543 86543 86543 86

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