WELCOME to a special edition of Skywaves. "Special" because it's the biggest edition we have ever undertaken. Exceptional conditions at the end of May have left us with a heaving FM logbook. A logbook which is so big that it forced us to have a serious think about what on earth we should do for the best - keep all the loggings or select the best and delete the rest. The first thing which crossed my mind was that, at the beginning of the BFMTVC in 1995, we stated that Skywaves would always make room for contributions, no matter how large, we would include everything wherever possible. The second thought was that not all our members like to see pages and pages of DX loggings, some are more interested in the newsy bits and articles, etc. Ian Kelly suggested we should make light of the spectacular conditions by extending the bulletin for this month only. Our funds make it possible to do this at present, plus we have plenty of other stuff to include anyway. Our purpose as a DX club is really to cater for all tastes so we really should cover any interesting or unusual events in full.

The events at the end of May were indeed unusual. DXers across the UK and Europe experienced some of the most prolonged E activity on record. I myself have been DXing FM since the early eighties and cannot recall such persistent DX reception. The E skip lasted more than five days, almost solidly! It's also unusual because we are in a potential solar maximum year - sporadic E has tended to be on the quiet side during such years in the past.

We are not forgetting the TV logbook either, but you will realise there are far more stations to search out on FM than on TV, so the FM logbook tends to be the larger of the two.

Let's get on with the bulletin, plenty of stuff inside - read on…
Well, it has to be said, my mood regarding this year’s season changed a lot over the course of the past month. At its beginnig I was reading projections for Sporadic E at Solar Maximum, and this coupled with a worrying lack of vision buzz from my scanner led me to believe that we were in for a bit of a dismal time, and then..... Oh Boy!, things went nuts!. I may be slipping into the realms of hyperbole, but it just has to be said, mid to late May has been the best I have ever seen, and by God, June is yet to come!. I hope this last statement doesn't tempt fate to much!.

Things really got going on the 26th with E's holding out until the end of the month. May 30th/ 31st saw an opening the magnitude and duration of which was truly astounding. Around 17:00 on the 31st every channel on Band 1 was unusable due to severe co-channel interference!. A notch filter tuned to R1, usually designed to kill the baby alarms and free up E2 was being out done by mixing signals from central Europe!, and the FM Band was simultaneously open to Spain, Italy and Scandinavia!. An NRK regional on FM was displaying full RDS with only a short run of coax going into the receiver!. As Arlo Guthrie said of Woodstock, "It was like, far out, man", and so was our little opening!.

Oh I forgot, there have also been some notable highlights!. Tim Bucknall started a phone alert on the evening of the 27th reporting possible reception of Arabic sound on E2, this resulted in Ian Milton picking out Jordan on E3, then Tim phoned back with not only Jordan, but Iran on E2!. Finally, at 18:15, I at last received Jordan, and amid the intensity of the opening it didn't even look out of place!. Strange days indeed!.

TV LOGBOOK

<table>
<thead>
<tr>
<th>Chan</th>
<th>Time</th>
<th>Date</th>
<th>ITU</th>
<th>Station, Programme details, etc</th>
<th>Reception – Mode - Rptr</th>
</tr>
</thead>
<tbody>
<tr>
<td>E2 E4 E3</td>
<td>1121</td>
<td>05/05</td>
<td>E</td>
<td>TVE1. Weak sigs with fair QSB. Better on E4.</td>
<td>E WK</td>
</tr>
<tr>
<td>E3</td>
<td>1658</td>
<td>07/05</td>
<td>E</td>
<td>TVE 1 Good peaks with lengthy QSB</td>
<td>2335 E DS</td>
</tr>
<tr>
<td>E2</td>
<td>1236</td>
<td>14/05</td>
<td>SUI</td>
<td>SF DRS 1, Sport Aktuell, Football. Good Col/ snd.</td>
<td>V Good E PL</td>
</tr>
<tr>
<td>E3</td>
<td>1240</td>
<td>14/05</td>
<td>SUI</td>
<td>SF DRS 1, Sport Aktuell, Football, then film.</td>
<td>Good E PL</td>
</tr>
<tr>
<td>E2</td>
<td>1242</td>
<td>14/05</td>
<td>D</td>
<td>ARD1, ads for upcoming pros. Strong colour at times.</td>
<td>G/VG E PL</td>
</tr>
<tr>
<td>R1</td>
<td>1244</td>
<td>14/05</td>
<td>CZE</td>
<td>TV Nova, Ostrava,</td>
<td>Good E TB</td>
</tr>
<tr>
<td>E4</td>
<td>1255</td>
<td>14/05</td>
<td>SUI</td>
<td>TSR1, La Dole, Frech Language ads, colour.</td>
<td>Good E PL</td>
</tr>
<tr>
<td>R2</td>
<td>1310</td>
<td>14/05</td>
<td>CZE</td>
<td>TV Nova, Ice Hockey, strong Colour. Sound on 65.515/ 65.76</td>
<td>V Good E PL</td>
</tr>
<tr>
<td>E2A</td>
<td>1314</td>
<td>14/05</td>
<td>AUT</td>
<td>ORF 1, Film. Strong but local qrm.</td>
<td>Fair E PL</td>
</tr>
<tr>
<td>R2</td>
<td>1315</td>
<td>14/05</td>
<td>HNG</td>
<td>RTL Klub, presumed. Strong colour, ads, HNG language.</td>
<td>Good E PL</td>
</tr>
<tr>
<td>R1</td>
<td>1331</td>
<td>14/05</td>
<td>CZE</td>
<td>TV Nova, Ice Hockey, Ivy mixing with ORF1.</td>
<td>Fair E PL</td>
</tr>
<tr>
<td>E4</td>
<td>1405</td>
<td>14/05</td>
<td>D</td>
<td>ARD1, Tennis, strong colour qrm de R2.</td>
<td>Good E PL</td>
</tr>
<tr>
<td>E3</td>
<td>1520</td>
<td>15/05</td>
<td>CZE</td>
<td>TV Nova, Valencia area local news.</td>
<td>Weak E PL</td>
</tr>
<tr>
<td>E2</td>
<td>1630</td>
<td>16/05</td>
<td>I</td>
<td>Unid Italian station, sound on 53.235 mhz.</td>
<td>Good E TB</td>
</tr>
<tr>
<td>E3</td>
<td>1310</td>
<td>18/05</td>
<td>E</td>
<td>TVE1, Prima Vera show.</td>
<td>V Good E PL</td>
</tr>
<tr>
<td>E3</td>
<td>1345</td>
<td>19/05</td>
<td>E</td>
<td>TVE1, News, ads. Very clear with good sound</td>
<td>3335 E DS</td>
</tr>
<tr>
<td>E3</td>
<td>1347</td>
<td>19/05</td>
<td>E</td>
<td>TVE1, Prima Vera show.</td>
<td>Fair E PL</td>
</tr>
<tr>
<td>E2</td>
<td>1353</td>
<td>19/05</td>
<td>E</td>
<td>TVE1, Entertainment news with attractive YL!.</td>
<td>V Good E PL</td>
</tr>
<tr>
<td>IB</td>
<td>1426</td>
<td>19/05</td>
<td>I</td>
<td>RAI 1, Comedy show.</td>
<td>Fair E PL</td>
</tr>
<tr>
<td>IA</td>
<td>1434</td>
<td>19/05</td>
<td>I</td>
<td>RAI 1+ scrambled pic fighting it out.</td>
<td>Fair E PL</td>
</tr>
<tr>
<td>E3</td>
<td>1205</td>
<td>20/05</td>
<td>E</td>
<td>TVE1 Promo's. Clear with colour and good sound</td>
<td>3335 E DS</td>
</tr>
<tr>
<td>IA</td>
<td>1234</td>
<td>20/05</td>
<td>I</td>
<td>RAI 1, News. YL Presenter.</td>
<td>Weak E PL</td>
</tr>
<tr>
<td>E3</td>
<td>1256</td>
<td>20/05</td>
<td>F</td>
<td>Canal Plus, brief unscrambled pics.</td>
<td>Fair E PL</td>
</tr>
<tr>
<td>E4</td>
<td>1938</td>
<td>21/05</td>
<td>E</td>
<td>TVE1 Fair Sigs with little QSB. Lasted around 15 minutes.</td>
<td>E WK</td>
</tr>
<tr>
<td>E3</td>
<td>1825</td>
<td>21/05</td>
<td>E</td>
<td>TVE1 Studio PX . Lengthy QSB</td>
<td>2324 E DS</td>
</tr>
<tr>
<td>E2 E3 E4</td>
<td>1403</td>
<td>22/05</td>
<td>E</td>
<td>TVE1. Near perfect colour pictures. Very little QSB on all three channels.</td>
<td>E WK</td>
</tr>
<tr>
<td>E2 E3 E4</td>
<td>1509</td>
<td>22/05</td>
<td>E</td>
<td>TVE1. Still near perfect colour pictures with very little QSB.</td>
<td>E WK</td>
</tr>
<tr>
<td>E2 E3 E4</td>
<td>1609</td>
<td>22/05</td>
<td>E</td>
<td>TVE1. Much weaker sigs now with fair QSB. Faded out around 1650z.</td>
<td>E WK</td>
</tr>
<tr>
<td>E2</td>
<td>1405</td>
<td>22/05</td>
<td>E</td>
<td>TVE1. WX. Strong but with QRM</td>
<td>3042 E DS</td>
</tr>
<tr>
<td>E4</td>
<td>1408</td>
<td>22/05</td>
<td>E</td>
<td>TVE1 WX. Clean signal</td>
<td>2234 E DS</td>
</tr>
<tr>
<td>E3</td>
<td>1411</td>
<td>22/05</td>
<td>E</td>
<td>TVE 1 Series. Strong with some colour</td>
<td>3333 E DS</td>
</tr>
<tr>
<td>E3</td>
<td>1120</td>
<td>22/05</td>
<td>E</td>
<td>TVE1 talk show.</td>
<td>V Good E PL</td>
</tr>
<tr>
<td>E3</td>
<td>1135</td>
<td>22/05</td>
<td>E</td>
<td>TVE1, talk show.</td>
<td>Good E PL</td>
</tr>
<tr>
<td>E2</td>
<td>1259</td>
<td>22/05</td>
<td>E</td>
<td>SR1, Gottleborner Hohe, 48.2396,</td>
<td>Good E TB</td>
</tr>
<tr>
<td>E2</td>
<td>1325</td>
<td>22/05</td>
<td>D</td>
<td>ARD1, talk show.</td>
<td>F/ Good E PL</td>
</tr>
<tr>
<td>E4</td>
<td>1327</td>
<td>22/05</td>
<td>E</td>
<td>TVE1, Prima Vera show.</td>
<td>Fair E PL</td>
</tr>
<tr>
<td>E3</td>
<td>1423</td>
<td>22/05</td>
<td>POR</td>
<td>RTP1, strong colour ads.</td>
<td>V Good E PL</td>
</tr>
<tr>
<td>IA</td>
<td>1427</td>
<td>22/05</td>
<td>I</td>
<td>RAI 1, sound on 59.24/ 59.48 talk show, Ivy qrm.</td>
<td>Fair E PL</td>
</tr>
<tr>
<td>IB</td>
<td>1441</td>
<td>22/05</td>
<td>I</td>
<td>RAI 1, YL song, best ever RAI sigs, full col/snd on 67.76/ 68.0</td>
<td>EX E PL</td>
</tr>
<tr>
<td>E2</td>
<td>1639</td>
<td>23/05</td>
<td>E</td>
<td>TVE1, Weak with fair QSB.</td>
<td>EX E PL</td>
</tr>
<tr>
<td>E3</td>
<td>1112</td>
<td>25/05</td>
<td>E</td>
<td>TVE1, Saber vivir talk show.</td>
<td>Fair E PL</td>
</tr>
<tr>
<td>E4</td>
<td>1115</td>
<td>25/05</td>
<td>E</td>
<td>TVE1, Saber vivir talk show.</td>
<td>Good E PL</td>
</tr>
<tr>
<td>E2</td>
<td>1117</td>
<td>25/05</td>
<td>E</td>
<td>TVE1, Saber Vivir talk show b/w snd.</td>
<td>F/ Good E PL</td>
</tr>
</tbody>
</table>
E2 1129 25/05 POR RTP1, talk show, om singing, fig 1 top left. Fair E PL
E3 1129 25/05 POR RTP1, talk show, om singing, fig 1 top left. Fair E PL
E4 1220 25/05 E TVE1, Saber vivir talk show, col/snd V Good E PL
R1 1418 25/05 CZE TV Nova, American soap. over local qrm. Fair E PL
E3 1524 25/05 FIN YLE1, Terlova. 55.2513 Good E TB
E2 1607 25/05 E TVE1, soap. Fair E PL
E4 1502 26/05 E TVE1, Series. Fair with sound 3333 E DS
E3 1500 26/05 E TVE1, Series. Fluttery signal 3333 E DS
E2 1502 26/05 E TVE1, Series. Fair with sound 3333 E DS
E2 2100 26/05 D ARD1, documentary, brief. Weak E PL
IA 2120 26/05 I RAI 1, widescreen film. Good E PL
E3 2235 26/05 E TVE1, disturbed pics. Weak E PL
L3 2308 26/05 F Canal plus, scrambled pics. Fair E PL
E2 1802 27/05 D ARD1 Musical studio PX with YL Fair E DS
E3 1500 26/05 E TVE 1     Series.   Good, with sound 3344 E DS
E3 1500 26/05 E TVE 1     Series.   Fluttery signal 3333 E DS
E2 1502 26/05 E TVE 1     Series.   Fair with sound 3333 E DS
E2 1250 27/05 HRB HRT1. Caption. Very strong sigs, bad QRM at times. E WK
E3 1237 27/05 SLO SLO1. Strong sigs but QRM. E WK
R2 1308 27/05 ROU Logo top right. Sports program. Weak sigs with QSB. E WK
R2 1304 27/05 HNG RTL. Logo top right. Strong at times but bad QRM. E WK
E4 1250 27/05 HRB HRT1. Caption. Very strong sigs, bad QRM at times. E WK
E3 1237 27/05 SLO SLO1. Strong sigs but QR M. E WK
R2 R3 1551 27/05 MDA TVM. Logo TVM top left. Very strong sigs on both. QRM on R3. E WK
IA IB 1143 27/05 I RAI UNO. Weaker now on both channels. E WK
IA IB 1044 27/05 I RAI UNO. Back again. Strong fluttery signals on IB, weaker on IA. E WK
R1 1555 27/05 UKR 1+1 logo top right. Very strong sigs, some QRM. E WK
E3 1002 27/05 E TVE1. Fair sigs at times but fair QSB. E WK
R3 1643 27/05 ? Studio Program. 1 logo top right. Fair sigs, little QSB. E WK
L4 0832 27/05 F Canal Plus. Fair sigs. E WK
IA IB 0812 27/05 I RAI UNO. Very strong sigs, near perfect pictures at times. Only slight QSB E WK
L2 0735 27/05 F Canal Plus. Fair sigs, some QSB though. E WK
IA IB 0714 27/05 I RAI UNO. Still going, good strong bursts on both channels. E WK
IA IB 0635 27/05 I RAI UNO. Childrens Progs. Fair sigs on both, fair QSB though at times. E WK
R1 1005 27/05 HNG MTV. Fair to weak sigs with QSB. E WK
E3 1905 27/05 SUI Logo top right. Mixing with Slovenia. E WK
R3 1552 27/05 ROU TVR. Very severe QRM from Moldova. E WK
IA IB 1944 27/05 I RAI UNO. Fair to weak sigs. Fair QSB. E WK
E3 1854 27/05 SLO SLO1. Very strong but QRM. E WK
E2 1852 27/05 D ARD1. Very strong sigs but bad QRM. Concert in Widescreen. E WK
E3 1846 27/05 ? 1 logo top right. Football match. Fair sigs, no QRM now, slight QSB. E WK
E4 1844 27/05 HRB HRT1. Concert. Fair sigs, not too much QRM now. E WK
R2 1824 27/05 HNG RTL. Adverts. Very strong sigs but bad QRM still. E WK
E3 1750 27/05 SLO SLO1. Good sigs but severe QRM. E WK
E4 1744 27/05 HRB HRT1. Fair sigs but bad QRM. Logo top right. E WK
R2 1738 27/05 CZE TV NOVA. Very strong sigs but severe QRM. E WK
E2a 1732 27/05 AUT ORF1. Very severe QRM. E WK
R2 1658 27/05 HNG RTL. Strong sigs but severe QRM. E WK
IB 1654 27/05 I RAI UNO. Good sigs. E WK
E2 1757 27/05 D ARD1. Logo top left. Very strong with QRM at times. E WK
IT-A 0600 27/05 I RAI Uno. OM/YL with studio PX 3233 E DS
IT-B 0605 27/05 I RAI Uno. OM/YL with studio PX 2034 E DS
E2 0615 27/05 I Unid. Discussion 2033 E DS
E3 0950 27/05 E TVE 1 Pop Concert 2334 E DS
E4 1110 27/05 E TVE 1 2333 E DS
IT-B 1225 27/05 I RAI Uno Cookery 3033 E DS
E3 1240 27/05 SVN SLO 1 2033 E DS
E3 1255 27/05 HRV HRT 1 Studio PX 3333 E DS
R2 1305 27/05 HNG RTL Ads 3332 E DS
E2a 1740 27/05 AUT ORF 1 Cartoon Fair E DS
E4 1748 27/05 HRV HRT 1 YL with News 3333 E DS
R2 1810 27/05 CZE TV Nova. Novi Sad. Drama. Suffering severe QRM 4332 E DS
E3 1902 27/05 SUI SRG. Studio PX. Lots of QRM 3032 E DS
IA 0805 27/05 I RAI 1, cartoons. Good E PL
IB 0805 27/05 I RAI 1, cartoons. Good E PL
E2 0834 27/05 D ARD1, kids show. Good E PL
E3 1130 27/05 POR RTP1, ads. Fair E PL
E3 1144 27/05 E TVE1, Baywatch- Los Vigilantes de la Playa, same muck!. Good E PL
E4 1144 27/05 E TVE1, Baywatch- Los Vigilantes de la Playa, same muck!. Good E PL
E2 1330 27/05 NOR NRK1, documentary. Good E PL
E3 1330 27/05 NOR NRK1, documentary. Fair E PL
E3 1400 27/05 SLO SLO1, film. Good E PL
R1 1414 27/05 HNG MTV1, ww2 documentary. m1 top right. V Good E PL
R2 1429 27/05 HNG RTL Klub, movie. Good E PL
E2 1510 27/05 S SVT1, om in talk, subtitles. Good E PL
E2 1522 27/05 SUI SF DRS1, discussion, mixing with Sweden/ Norway. Good E PL
R4 1533 27/05 HNG MTV1, Tokaj, tentativa, Fair E TB
E2 1557 27/05 D ARD1, football. V Good. E PL
E2A 1630 27/05 AUT ORF1, football, good colour Good E PL
E2 1648 27/05 IRN IRIB Iran, discussion prog, messy vision, but quite clear sound. Fair E TB
E3 1654 27/05 JOR JRTV1, Jordan, Suweilih, ads for McDonalds, News. Good E TB
E2 1648 27/05 IRN IRIB Iran, discussion prog, messy vision, but quite clear sound. Fair E TB
E3 1915 27/05 HRT HTV1, woman singing. Fig 1, top left. Good E PL
L3 2103 27/05 F Canal Plus, scrambled pics. Good E PL
E4 0629 28/05 HRB HRT1. Sub titled Childrens Program. Good sigs. E WK
E3 1241 28/05 E TVE1. Weak sigs with fair QSB on all channels now. QRM on E3. E WK
E2 1233 28/05 E TVE1. Fair sigs, some QSB and QRM on all channels. E WK
E3 0931 28/05 E TVE1. Sport. Good sigs, some QSB. E WK
IA IB 0910 28/05 I RAI UNO. Weak sigs with fair QSB on both channels. E WK
R2 0603 28/05 EST Logo top right. Sub titled English Prog. Good sigs, QRM later. E WK
E3 0634 28/05 SLO SLO1. Strong sigs but bad QRM at times. E WK
R2 0617 28/05 RUS UEIT Test Card. Mixing with Estonia. E WK
E3 1319 28/05 E TVE1. Quite strong sigs now, winning the battle with Spain. E WK
IA IB 0814 28/05 I RAI Uno. Fair sigs but QSB. E WK
R2 0625 28/05 HNG RTL Cartoons 2033 E DS
E3 0630 28/05 SVN SLO 1 Cartoons 3333 E DS
E4 1107 28/05 I RAI Uno, cartoons Good E PL
R2 0615 28/05 E TVE1, motorcycle racing, Fair E PL
E3 1130 28/05 E TVE1, Studio PX 3333 E DS
E2 1130 28/05 E TVE1, Studio PX 3333 E DS
E4 1150 28/05 E TVE 1 News Fair E DS
R2 1830 28/05 RUS Uniid Russia. Music PX 2033 E DS
IA 0800 28/05 I RAI 1, cartoons Good E PL
E2 1015 28/05 E TVE1, motorcycle racing, Fair E PL
E3 1015 28/05 E TVE1, motorcycle racing, Good E PL
E4 1025 28/05 E TVE 1, motorcycle racing, Good E PL
E2 1551 28/05 SUI SF DRS1, wildlife programme G/ VG E PL
E2 1556 28/05 D ARD1, cartoon, col/snd Good E PL
E3 1618 28/05 SUI SF DRS1, kids wildlife show, "Cuntrasts" Fair E PL
E2 1922 28/05 NOR NRK1, documentary. Good E PL
E3 1922 28/05 NOR NRK1, documentary. Fair E PL
R5 1954 28/05 ROU TV1, ad for hair care followed by news. Good E TB
R4 2007 28/05 ROU TV1, 2 sites, brief pictures. Fair E TB
E3 1105 29/05 E TVE 1 Studio PX 3333 E DS
E2 1130 29/05 E TVE 1 Ads Fair E DS
E4 1205 29/05 E TVE 1 News & WX Fair E DS
E4 1603 29/05 ISL RUV Text Pages Weak E DS
E2 0815 29/05 E TVE1, studio discussion, col/snd V Good E PL
E3 1130 29/05 E TVE1, studio discussion, om presenter. Good E PL
L3 1140 29/05 F Canal Plus, advertisement, rapid qsb F/ Good E PL
E2 1411 29/05 POR RTP2, Valeco Do Douro, 35watts, V Good E PL
E2 1705 29/05 S SVT1, kids programme, strong col/ snd V Good E PL
E3 1710 29/05 NOR NRK1, kids show with excerpts from Sesame street V Good E PL
E4 1710 29/05 NOR NRK1, kids show, excellent coll/ snd, best sig of 2000 so far! Excellent E PL
E2 1728 29/05 NOR NRK1, kids show, mixing with ARD1. Good E PL
E2 0919 30/05 D ARD1, strong b/w pics Good E PL
E2A 0920 30/05 AUT ORF1, comedy show. Good E PL
R2 0921 30/05 CZE TV Nova, film. V Good E PL
E3 0925 30/05 D ARD1, film F/ Good E PL
IB 0927 30/05 I RAI Uno, News. F/ Good E PL
E2 0933 30/05 D ARD1, om singing. F/ Good E PL
E3 0943 30/05 SUI SF DRS1, drama, col/snd 100%. Excellent E PL
E4 0944 30/05 AUT ORF1, film, mixing with ARD1. Good E PL
E2 0949 30/05 SUI SF DRS1, drama, some colour, mixing ARD1. Good E PL
IA 0955 30/05 I RAI Uno, om talking. Good E PL
E2 1002 30/05 E TVE1, briefly through lots of co channel fighting. Fair E PL
L3 1010 30/05 F Canal Plus, scrambled pics, Fair E PL
E3 1020 30/05 E TVE1, drama strong b/w. Good E PL
E4 1020 30/05 E TVE1, drama, good col/ snd. V Good E PL
E3 1257 30/05 DNK DRTV1, studio discussion, strong col/ snd V Good E PL
E4 1300 30/05 DNK DRTV1, discussion Good E PL
| E2  | 1400 30/05 | S  | SVT1, film good col/ snd | V Good | E PL |
| E3  | 1400 30/05 | S  | SVT1, on screen clock reading 15:00, then Swedish film | Good | E PL |
| E4  | 1400 30/05 | S  | SVT1, Film, good peaks. | V Good | E PL |
| E2  | 1740 30/05 | E  | TVE1, game show, good col/ snd | V Good | E PL |
| E3  | 1740 30/05 | POR | RTP1, interview with two yrs in naval uniform (Oh I Say!) | Good | E PL |
| E2  | 1741 30/05 | POR | RTP1, interview. | Fair | E PL |
| R3  | 1835 30/05 | ?  | Drama, logo top left, TVP Poland, white letters in logo, weak | V/ Fair | E PL |
| E2  | 1844 30/05 | S  | SVT1, documentary | Good | E PL |
| E3  | 1849 30/05 | E  | TVE1, very disturbed pics, rolling | Fair | E PL |
| R1  | 2349 30/05 | HNG | MTV1, Hungary, history prog. | F/ Good | E PL |
| E3  | 1435 31/05 | ISL | RUV, PX info | Fair | E DS |
| E4  | 1440 31/05 | E  | TVE 1, Drama. | 3442 | E DS |
| E4  | 1441 31/05 | E  | TVE 1, Drama | 3232 | E DS |
| E4  | 1447 31/05 | ISL | RUV, PC Cap mix TVE 1. | 2022 | E DS |
| E2  | 1623 31/05 | E  | TVE 1, Drama | Fair | E DS |
| E4  | 1655 31/05 | HRV | HRT 1, EG series with subtitles. | 3334 | E DS |
| R2  | 1915 31/05 | F  | Canal +. Scrambled pics | Fair | E DS |
| E2  | 1915 31/05 | D  | ZDF AM programme via ARD | V Good | E PL |
| E4  | 1915 31/05 | D  | ZDF AM programme via ARD | Good | E PL |
| R2  | 1915 31/05 | I  | RAI Uno. Drama | Fair | E DS |
| E3  | 0730 31/05 | SUI | SF DRS1, wx report fur Schweiz, looks cloudy. | Good | E PL |
| R1  | 0755 31/05 | HNG | MTV1, soap. | Fair | E PL |
| E4  | 1007 31/05 | I  | RAI 1, politics, 100% perfect pics. | Excellent | E PL |
| IA  | 1013 31/05 | I  | TV Tre?, logo bottom left pop videos. | Good | E PL |
| E2  | 1027 31/05 | SUI | SF DRS1, hospital drama. | Good | E PL |
| E4  | 1045 31/05 | SUI | TTSR1, La Dole, drama, logo small blue square top left | Fair | E PL |
| E3  | 1130 31/05 | F  | Canal Plus, strong scrambled pics | Good | E PL |
| E3  | 1158 31/05 | E  | TVE1, talk show 100% perfect b/w pics, no sound | Good | E PL |
| E2  | 1218 31/05 | D  | ARD1, study discussion, strong col/ sng | V Good | E PL |
| E3  | 1218 31/05 | D  | ARD1, Tagesschau, News, Unbelieveable pics... just perfect EX+! | F/ Good | E PL |
| E2  | 1410 31/05 | F  | Canal Plus, scrambled pics. | Good | E PL |
| E4  | 1415 31/05 | NOR | NRK1, whats on page. | Fair | E PL |
| E3  | 1435 31/05 | D  | ZF AM programme via ARD | Good | E PL |
| IB  | 1435 31/05 | I  | RAI 1, ads. | Good | E PL |
| E4  | 1447 31/05 | D  | ARD1, wildlife prog, mixing RAI. | Good | E PL |
| E4  | 1458 31/05 | D  | ZF AM programme via ARD | Good | E PL |
| E2  | 1515 31/05 | S  | SVT1, subtitled b/w film, fighting with 2=other countries=winning | Good | E PL |
| E3  | 1515 31/05 | S  | SVT1, old film. | F/ Good | E PL |
| E2  | 1518 31/05 | NOR | NRK1, whats on page. | Fair | E PL |
| E2  | 2338 31/05 | E  | TVE1, very long ad break. | Fair | E PL |
| E3  | 2345 31/05 | E  | TVE1, brief pics, xyl on screen. | Fair | E PL |

**Reporters:**
TB = Tim Bucknall, Congleton Cheshire, Icom IC- R75, Band 1 Antenna.
WK = William Kitching, Telford, Salop D100, Nordmende Multi-Standard, Loft Dipoles
PL = Paul Logan, Lisnaskea, Co Fermanagh Uniden 9000XLT, 35 mhz dipole/ band 1 Antenna.
DS = Dave Small, Cannock, West Midlands JVC 610 + D-100. 4 ele & E3 + Pre-amp

**LOW VHF REPORT:**

<table>
<thead>
<tr>
<th>FREQ</th>
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<th>RP</th>
<th>USER/ NOTES</th>
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<tbody>
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<td>72.725</td>
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<td>40.22</td>
<td>Portuguese Fire Departments.</td>
<td>35-36.200</td>
<td>French Roads Services, strong, daily.</td>
</tr>
<tr>
<td>40.25</td>
<td>Portuguese Fire Departments.</td>
<td>35-36.200</td>
<td>French Roads Services, strong, daily.</td>
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</table>
Just a bit of a taster this time round. To be honest there has been so much going on on TV and FM that I have not really been trawling this band for UTE signals. I read on the Internet that Italian DXers are having fun hearing British Fire Comms! Strangely nothing heard from Italy yet between 73.5 and 74 MHz for similar services, but keep your ears open.

May 14th brought quite an interesting signal into the west of NI. I started hearing what sounded like TV sound, quite low in WF on 47.1 MHz. NFM brought a bit more to work on, and then after some 40's music there was an id. in English - "Coastway Hospital Radio". I nearly fell on the floor! Subsequent enquiries have identified this as coming out of a hospital in Brighton, and the frequency heard is probably that of a link. This is short skip by any stretch of the imagination! I have yet to contact the engineer at the station, but I will, and will let you know what he says!. Should be interesting!

Well that's it for now, keep watching and listening and let's hope the good conditions continue, and as always, expect the unexpected. See you all next time.

Best of DX, - Paul Logan.

Edited by John Faulkner
15 Boarhill Grove
Ashfield Park
SUTTON-IN-ASHFIELD
Nottinghamshire
NG17 1HF

E mail: skywaves@iname.com

Standard Deadline – 1st of every month

A very warm welcome to a very large logbook! And a very big thank you to all those who caught the very good conditions at the end of May. It was necessary to carry out a little editing in the end, but not so much with the loggings, more because of formatting problems. Some of the file formats submitted didn't want to play ball with my version of Microsoft Word, even Microsoft Word files themselves tried to get the better of me, but I think I won in the end! (?) Transmitter sites, etc, may not appear on many of the loggings. It would take just a little too long to check through everything this time and we are working to a fairly tight deadline as Mark is off on his hols next week, so any delay may postpone this issue until next month! You will appreciate that far more time has been needed to organize and sort everything. Please accept my apologies if anything is incomplete. A very big thank you to everybody who has sent in their loggings in a PC format, and a special thanks to Jeff Kitching who has typed out many of the loggings and also OnScreen this month.

Tropospheric logbook

<table>
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<tr>
<th>FREQ</th>
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<td>R Fryslan, Imsum. 2 OM's waffling away together!</td>
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90.2 2200 11/05  D NDR-3, Lingen. News  D383 RADIO_3_ good T JF
90.2 0304 11/05 DNK DR-1, Holstebro. Classical music  9201 fair T JF
90.2 0317 11/05 DNK DR-1, Holstebro. Classical music // 91.4 fair T JF
90.2 0618 11/05 DNK DR P1 Holstebro 60kw 9201 fair T JF
90.2 2216 11/05 HOL NOS-2, Rotterdam. // 88.0 & 87.7. 60's blues type music fair T JF
90.3 0701 11/05 D NDR-1, Hamburg. News D451 NDR_90.3 fair T JF
90.3 0739 11/05 D HAMBURG WELLE Hamburg 80kw v good T PT
90.5 0611 11/05 D NDR 1 SH Heilde 15kw D6E1 v good T PT
90.5 0738 11/05 D NDR1SH Heide 15kw D6E1 v good T PT
90.5 1005 11/05 D NDR-2, Heide poor T TB
90.6 2235 11/05 ?? Un-id. YL with Latin music on horizontal antenna. Mentioning places in Belgium. fair T JF
90.7 1047 11/05 D R OK Bremerhaven 200w v good T PT
90.7 2216 11/05 HOL R Nordzee Naatonaal, Gouda. Classical music 83CE fair T JF
90.8 0304 11/05 DNK DR-1, Copenhagen. Classical music // 9201 fair T JF
91.1 0752 11/05 D NDR1_NDS fair T JF
91.1 0836 11/05 D NDR1NDS Steinkimmen 100kw D681 v good T PT
91.3 0612 11/05 D NDR-1, Kiel. News NDR_1_SH good T JF
91.3 0717 11/05 D NDR-1, Kiel fair T TB
91.3 0744 11/05 D NDR1SH Kiel 15kw v good T PT
91.4 0317 11/05 DNK DR-1, Thisted. Classical music // 90.2 fair T JF
91.5 0611 11/05 D NDR 1 SH 100kw D4E1 v good T PT
91.5 0738 11/05 D NDR1SH Kiel 15kw v good T PT
91.6 0326 11/05 HOL NOS-3, Smilde. OM talking in Dutch 8203 RADIO3FM AVRO_3FM fair T JF
91.8 0305 11/05 DNK DR-3, Arhus. ELO song DR_P3___ fair T JF
91.8 1846 11/05 HOL NOS-3, Smilde. Rap music 9203 VPRO_3FM RADIO3FM good T JF
91.9 0308 11/05 DNK DR-3, Holstebro. Soft pops // 92.6 fair T JF
92.1 1007 11/05 D RB-2, Bremerhaven poor T TB
92.1 1045 11/05 D BREMEN 2 6.5kw Bremerhaven D342 v good T PT
92.2 2237 11/05 HOL NOS-4, Weiringermeer. Classical music // 94.8 fair T JF
92.2 0817 11/05 DNK DR-3, Õlgod. OM talking, just popped up over Peterborough fair T JF
92.4 2007 11/05 D NDR-1, Osnabruck. MoR style music // 92.8 D781 NDR1_NDS fair T JF
92.4 2053 11/05 D NDR1NDS Lingen 8 kw D781 v good T PT
92.6 0308 11/05 DNK DR-3, Sdr. Højrup. Soft pops // 92.9 9203 fair T JF
92.6 0621 11/05 DNK DR P3 Funen 100 kW 9203 v good T PT
92.6 0730 11/05 DNK DR-P3, Funen good T TB
92.6 2202 11/05 HOL NOS-2, Lopik. News 8202 RADIO_2_ fair T JF
92.6 0725 11/05 D NDR 4 Sylt 5kw good T PT
92.8 2007 11/05 D NDR-1, Schwerin. Middle-of-the-road music D781 NDR1_NDS good T JF
92.9 0308 11/05 DNK DR-3, Holstebro. Soft pops // 92.6 fair T JF
93.2 0613 11/05 D NDR-2, Flensburg 25 kw D382 v good T PT
93.2 0659 11/05 D NDR-2, Flensburg. Adverts D382 v good T JF
93.2 0708 11/05 D NDR-2, Flensburg fair T TB
93.2 2231 11/05 D NDR-2, Flensburg. Pop music v good T JF
93.6 0847 11/05 D Alster Radio, Cuxhaven fair T TB
93.6 0858 11/05 D ALSTER RADIO Cuxhaven 2 kW v good T PT
93.8 0816 11/05 D R Bremen 1, Bremen. YL talking in German D341 good T JF
93.8 1545 11/05 D R-Bremen-1, Bremen good T TB
93.9 1142 11/05 HOL RH/NOORD Wieringermeer 10 kW 8418 v good T PT
94.0 0310 11/05 DNK DR-3, Vejle. pops // 92.9 fair T JF
94.3 0323 11/05 D NDR-3, Sylt. OM in German & Mozart classical stuff // 96.1 fair T JF
94.4 0753 11/05 D NDR-3, Steinkimmen. OM talking D383 fair T JF
94.4 1654 11/05 D NDR-3, Steinkimmon 100 kw D383 v good T PT
94.5 1853 11/05 D NDR-4, Steinkimmen. Discordant Jazz music good T TB
94.5 0627 11/05 D N-JOY Kiel 15 kw D385 v good T PT
94.5 0658 11/05 D NDR N-Joy, Kiel. Pop music D385 N-JOY___ good T JF
94.5 0710 11/05 D N-Joy, Kiel poor T TB
94.5 0756 11/05 D N-JOY Kiel 15kw v good T PT
94.8 1859 11/05 HOL NOS-4, Smilde. Classical Music fair T TB
94.8 2218 11/05 HOL NOS-4, Smilde. Classical music 8204 good T JF
95.0 1848 11/05 D NDR-2, Bremen // 94.4 poor T TB
95.1 0310 11/05 DNK DR-1, Rangstrup. 9201 DR_P1___ good T JF
95.1 1036 11/05 DNK DR P1 S. Jutland 60 kW 9201 v good T PT
95.4 0728 11/05 D BREMEN 3 Bremerhaven 25 kW D343 v good T PT
100.4 2220 11/05 HOL Sky R, Smilde. Pop music 83C6 SKYRADIO fair T JF
100.6 0822 11/05 D R-FFN, Rosengarten poor T TB
100.7 1900 11/05 HOL Sky R, Lopik 10kw 83C6 v good T PT
100.7 2150 11/05 HOL Sky R, Lopik. // 100.7 fair T PB
100.7 2220 11/05 HOL Sky R, Lopik. Pop music fair T JF
100.8 0931 11/05 D R-FFN, Rosengarten poor T TB
100.8 1102 11/05 D BREMEN4 Bremerhaven 6.5kw D344 v good T PT
100.8 2206 11/05 D NDR-1, Stadthagen. “Die NDR Eins Nacht…” ID weak T JF
101.0 1505 11/05 HOL NOS-1, Smilde // 747kHz fair T TB
101.0 2224 11/05 HOL NOS-1, Smilde. Pop music R1_VARA_ good T JF
101.0 0952 11/05 NOR NRK-4, Bjerkreim Presumed. NW OM on phone conversation good T JF
101.2 1804 11/05 D BREMEN4 Bremerhaven 6.5kw D344 v good T PT
101.4 0802 11/05 D RSH, Flensburg poor T TB
101.4 0934 11/05 D Un-id. German talk mentioning Hamburg. DLF? fair T JF
101.6 0819 11/05 D Un-id German talk mentioning Hamburg. DLF? fair T JF
101.6 0857 11/05 D Un-id German talk mentioning Hamburg. DLF? fair T JF
101.6 0900 11/05 D DLR Berlin, Eiderstedt (500W!). ID at top of hour fair T JF
101.8 0841 11/05 D DLF, Aurich. D210 v good T JF
101.9 0934 11/05 D DLF  Eutin 95kw v good T PT
102.0 1910 11/05 D DLF, Lin gen 25kw D210 v good T PT
102.0 2006 11/05 D DLF, Lin gen most likely. YL talking D210 DLF___ good T JF
102.3 0721 11/05 D DLF  Aurich 100kw D210 v good T PT
102.4 0714 11/05 D R Schleswig Holstein, Kiel. Pops // 102.9, 101.4, 103.8 D3E8 RSH_West v good T JF
102.5 2243 11/05 HOL R Nordzee FM, Weerlingermeer. Pop music. Nordzee FM ID 83C8 ZIN_EN___ FM___ good T JF
102.6 0720 11/05 D FFN  Cuxhaven 20kw v good T PT
102.6 0729 11/05 D FFN, Cuxhaven. German pop music D388 ffn___ fair T JF
102.6 1200 11/05 D FFN  Cuxhaven 20kw v good T PT
102.6 2106 11/05 D NDR2 Stadthagen 25kw v good T PT
102.7 0913 11/05 D R Schleswig Holstein, Kaltenkirchen. Pop music D3E8 v good T JF
102.7 0807 11/05 D RSH, Kaltenkirchen fair T JF
103.0 2123 11/05 HOL R.10FM v weak T PT
103.0 2200 11/05 HOL R 10 FM, Lelystad. ID, news fair T PB
103.0 2222 11/05 HOL R Ten Gold, Lelystad. Pop music 83E1 v good T JF
103.1 0635 11/05 D RFFN Aurich 15kw D388 v good T PT
103.1 0823 11/05 D RFFN, Aurich. ID and ad break v good T JF
103.1 1551 11/05 D RFFN, Aurich poor T TB
103.2 2130 11/05 G Power FM, Southampton. Adverts, ID weak T MH
103.3 0754 11/05 D DLF, Flensburg. Talk of Turkish Membership of the E.U. fair T TB
103.3 2204 11/05 D DLF, Bremerhaven. (Ex 104.3) Over Hallam. YL in German. good T JF
103.4 2207 11/05 D RFFN, Osnabruck. ID then Boyzone song good T JF
103.5 0835 11/05 D DLF, Harz. ID after announcements fair T JF
103.6 0709 11/05 D Radio Hamburg, Service, Hamburg. Pop music D358 RADIO_HH fair T JF
103.6 0917 11/05 D R. HAMBURG Hamburg 80kw fair T PT
103.8 0637 11/05 D RSH, Heide 15kw D3E8 v good T PT
103.8 0810 11/05 D RSH, Heide poor T TB
103.8 0936 11/05 D RSH--WEST Heide 15kw D3E8 RSH_West v good T JF
103.8 0802 11/05 D RSH, Heide poor T TB
103.8 0936 11/05 D RSH--WEST Heide 15kw D3E8 RSH_West v good T JF
103.8 2111 11/05 D ANTENNE Barsinghausen 25kw D389 v good T PT
104.1 0730 11/05 D Delta R, Bungsb erg. Santana Song. Over R Sheffield! D3E9 v good T JF
104.3 0640 11/05 D R Wir von Heir, Bremerhaven. 10kw 1342 v good T PT
104.3 0731 11/05 D R Wir von Heir, Bremerhaven. Mentioning Bremen in ID. Weather reports. “R Wir von heir” Jingle ID said “All the hits from Bremen” good T JF
104.3 2005 11/05 D Hit R Antenne, Lingen. Pop music D389 v good T JF
104.3 2110 11/05 D ANTENNE Lingen 15kw D389 v good T PT
104.4 0824 11/05 D DLF, Heide (400W). OM & YL talking, then ID at 0930 & news. fair T JF
104.6 0709 11/05 D ANTENNE Cuxhaven 20kw D389 v good T PT
104.6 0831 11/05 D Hit R Antenne, Cuxhaven. Rick Astley song! ID v good T JF
104.8 0316 11/05 D Delta R, Sylt. Pop music // 105.6 fair T JF
104.9 0706 11/05 D ANTENNE Aurich 25kw D389 v good T PT
104.9 2116 11/05 D ANTENNE Aurich 25kw D389 v good T PT
105.0 0834 11/05 D Un-id German station // 105.3. v good T JF
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_Pat Travers has put the RDS PS name at the beginning of column 5, obviously I'm not always sure where you intend this to be the PS name proper or just the name of the station. I have left everything as you sent it. Sorry Pat - This is not a moan, I just wish I had more time to put everything in the correct order to avoid any confusion._

**Ionospheric logbook**

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87.5 1314 22/05 I R Deejay, Arbatax (NU), Sardinia pop 5214 DEEJAY_ fair E MH
87.5 1441 22/05 I Deejay Network, via? DEEJAY_ good E PL
87.5 0804 27/05 I R Deejay, unid site. Pop music DEEJAY_ fair E JF
87.5 0808 27/05 I R. Italia, 2 listed 5220 R.ITALIA good E TB
87.5 0810 27/05 I R.Deejay network, unid site? 5214 DEEJAY_ fair E TB
87.5 0825 27/05 I R Italia, many sites listed, pop mx. R.ITALIA good E PL
87.5 1115 27/05 I Radio Radicale OM talk 5210 RADIO_*_ fair E MH
87.5 1125 27/05 I R Radicale? Italian OM 5210 RADIO_*_ fair E JF
87.5 1215 27/05 I R.Radicale, Taranto listed 5210 RADIO_*_ good E TB
87.5 1301 27/05 I Radio Radicale OM talk 5210 RADIO_*_ fair E MH
87.5 1465 27/05 I R Italia, many sites. Italian OM 5220 poor E IK
87.5 1947 27/05 I Radio Capital Music Network, unid site? 5219 CAPITAL_ good E TB
87.5 2059 27/05 I R Dimensione Suono, pop mx, via DIMSUONO good E PL
87.5 0810 28/05 I R.Matori, unid site? 5C80 R.MATORI good E TB
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87.5 0853 28/05 I R Italia, site? Ballad 5220 R.ITALIA good E IK
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87.5 1619 31/05 I Capital radio, ids, via? CAPITAL_ good E PL
87.5 2202 26/05 I Radio Maria, religion via, fair E PL
87.5 1011 31/05 I Rock FM yl in talk, via?. ROCKFM_ good E PL
87.6 1530 27/05 ? un-id // 87.75 classical music (no RDS) R Bis, Poland ?? 5219 good E MH
87.6 1920 28/05 ? un-id // 87.75 88.0 classical music (no RDS) R Bis, Poland ?? 5219 fair E MH
87.6 1908 30/05 ? un-id beaming SW/NE Dire Straits brief E MH
87.6 1912 30/05 ? un-id beaming SW/NE Dire Straits brief E MH
87.6 1237 27/05 BUL R Shumen, Shumen. “Dancing Queen”, ID, telecon good E IK
87.6 1120 30/05 BUL R Shumen adverts, ID (no RDS) good E MH
87.6 0921 25/05 CZE R Impuls, Brno 2203 MP brief E MH
87.6 1320 27/05 CZE R Impuls, Brno, YL time ck + ID 2203 IMPULS_ good E MB
87.6 1555 27/05 CZE R Impuls, Brno IMPULS_ E DS
87.6 1606 27/05 CZE R Impuls, Brno Pink Floyd track 2203 IMPULS_ good E MH
87.6 1615 27/05 CZE R Impuls, Brno. Pops 2203 IMPULS_ poor E IK
87.6 0337 28/05 CZE R Impuls, Brno 2203 brief E MH
87.6 2107 28/05 CZE R Impuls, Brno 2203 IMPULS_ v.strong E PT
87.6 1102 30/05 CZE R Impuls, Brno 2203 IMPULS_ good E MK
87.6 1103 30/05 CZE R Impuls, Brno. ID and music 2203 IMPULS_ E JF
87.6 2012 30/05 CZE R Impuls, Brno, Bob Dylan song in Czech! IMPULS_ E PL
87.6 1704 31/05 CZE R Impuls, Brno IMPULS_ E PT
87.6 1426 14/05 D BR4, Dillberg, Classics IMPULS_ E PL
87.6 1853 30/05 D Bayern 4, Dillberg, classics. BAYERN_4 good E PT
87.6 1701 31/05 D SWR-4, several listed, but which one? News D804 good E JF
87.6 1411 22/05 E Europa FM Via?, Vocal id. fair E PL
87.6 1411 22/05 E Europa FM Via?, Vocal id. fair E PL
87.6 1419 22/05 E Cadena Cien. Astorga. Pop PX CAD-CIEN ASTORGA_ good E DS
87.6 1423 22/05 E C-100, Cordoba or Astorga. Spanish OM E2CE CAD-CIEN good E JF
87.6 1526 22/05 E R Astorga, Cataluna 1kw E2CE 5264 good E PT
87.6 1238 25/05 E 40 Principales, spanish folk mx, via CUARENTA good E PL
87.6 1440 26/05 E Onda Cero, Plasencia. OM/YL, music, ID E2EE ONDACERO good E MH
87.6 1448 26/05 E Onda Cero, Plasencia. YL, frequent mentions of Caceres fair E JF
87.6 2128 26/05 E Cadena Cien, Cordoba OM's talk E2CE CAD-CIEN good E MH
87.6 1522 26/05 E Onda Cero, Plasencia. OM talk AF: 88.2 88.8 89.4 99.6 CORDOBA_ good E JF
87.6 1158 27/05 E Ondacero Plasencia, vocal id. fair E PL
87.6 1209 27/05 E Ondacero id sounded like Caterona or Cartegena fair E PL
87.6 1248 27/05 E Catalunya Informacia, Soriguera, News fair E PL
87.6 1300 27/05 E SER Catalunya, vocal id via fair E PL
87.6 1955 27/05 E Cat Info, site? CAT_INFO good E TB
87.6 1138 28/05 E Onda Cero R, Plasencia. OM talk E2EE good E IK
87.6 1150 28/05 E UNID. R Rinse. Many jingles and ID’s pronounced “rin-say” fair E PB
87.6 1247 28/05 E CAD-CIEN, Cordoba E2CE CAD-CIEN v. good E PT
87.6 1200 29/05 E Onda cero R. Plasencia ONDACERO fair E DS
87.6 1451 29/05 E RNE-5, Marbella?, thought I heard a voc id. fair E PL
87.6 1625 29/05 E Catalunya Info. Only Musica listed – Port Bou. OM & talks CATINFO_ E DS
87.6 1702 29/05 E Cadena 100, Cordoba, pop mx. CAD-CIEN CORDOBA_ good E PL
87.6 1432 31/05 E RNE-5, Marbella. ID by OM. Consistent but very poor signal v weak E JF
87.7 0849 30/05 I UnID. R. Venere, Lecce? Assumed from PI code only. 544A fair E IK
87.7 1815 30/05 I R Venere pop 544A fair E MH
87.7 1716 31/05 I Mondo Radio, site? pop AF: 102.0 56C7 MONDORAD good E MH
87.7 1629 29/05 ISL? RAS-2, Gagnheidi (v tentative). Long talk, no RDS. Heard after the 97.5 station had faded out. Only other Northern European station heard at same time was a Scandinavian on 87.6. Signal was very steady for over 5 minutes.
87.7 1418 22/05 POR RDP-1, Mendro. Portugese OM talking 8201 good E JF
87.7 1420 22/05 POR RDP 1. Mendro. 2OM ANTEA_1 fair E DS
87.7 1510 26/05 POR RDP-1, Mendro. OM talking in Portuguese 8201 good E JF
87.7 1607 29/05 POR RDP 1. Mendro. Portuguese vocals ANTEA_1 good E DS
87.7 1831 29/05 POR RDP-1, Mendro talk 8201 ANTEA_1 good E MH
87.7 1521 27/05 SVK Fun Radio, Bratislava music 2311 FUNRADIO fair E MH
87.7 1600 27/05 SVK Fun Radio Bratislava, Kosice. Pops 2311 FUNRADIO good E IK
87.7 1646 27/05 SVK Fun Radio. Kosice. Ads & ID FUNRADIO fair E DS
87.7 1903 28/05 SVK Fun Radio, Bratislava pop 2311 brief good E MH
87.7 1939 28/05 SVK Fun Radio Bratislava, Kosice. Techno music 2311 poor E IK
87.7 1958 28/05 SVK Fun Radio, Bratislava pop music 2311 FUNRADIO fair E MH
87.7 2002 28/05 SVK Fun Radio, Kosice 2311 FUNRADIO v.good E JK
87.7 1942 30/05 SVK Fun Radio, Kosice, om/ly talk fair E PL
87.7 1705 27/05 YUG R.Nova Sad-1, Irski Venac good E JK
87.7 1912 27/05 YUG Radio Beograd presumed, Deli Jovan, Serbian folk mx. good E PL
87.75 1208 27/05 POL un-id // 88.0 classical music (no RDS) fair E MH
87.75 1612 27/05 AUT OE-1, A201 fair E TB
87.75 1306 27/05 AUT OE-1 (multi tx) YL into to OM, class mx (no apparent RDS) fair E MH
87.75 1530 27/05 POL un-id // 87.6 classical music (no RDS) good E MH
87.75 1208 27/05 I Italian TV audio. Film, mono. fair E JF
87.8 1400+ 27/05 SVN VAL-202 63A2 good E JK
87.8 0828 28/05 I R Latmiele, Castelmaggiore (BO). Ballad (AF: 96.7, 102.9) 5355 strong E PT
87.8 0813 28/05 I Subasio Radio Network, unid site? 53FD good E JK
87.8 0849 30/05 I UnID. R Venere, Lecce? Assumed from PI code only. 544A fair E IK
87.8 1431 22/05 E Cadena Cien, Vigo disco mx, OM, ads, jingle E2CE CAD-CIEN _VIGO_ good E MH
87.8 1501 22/05 E SER, 5 listed! YL talking // 87.9 fair E JF
87.8 1503 22/05 E R.ELEJIDO, Almaria 1kw E239 v good E PT
87.8 1502 27/05 E SER, Euskadi, Tolosa, Euskadi E302 EUSKADIZ excellent E TB
87.8 1501 22/05 E R.Eusikadi, Tolosa, Euskadi E302 EUSKADIZ excellent E TB
87.8 1500+ 27/05 AUT OE-1, unid site, several listed. Unattended reception. PS display OE_1 fair E JF
87.8 1306 27/05 AUT OE-1 (multi tx) YL into to OM, class mx (no apparent RDS) fair E MH
87.8 1612 27/05 AUT OE-1. A201 OE_1_____ excellent E TB
87.8 1240 27/05 BUL Unid good E TB
87.8 1643 27/05 CZE R Cerna Hora. Kraliky. CE??HORA good E DS
87.8 1510 26/05 POR RDP-1, Mendro. Portuguese OM talking 8201 good E DS
87.8 1141 28/05 SVK Fun Radio, Kosice. Ads & ID FUNRADIO fair E DS
87.8 1420 27/05 HRV R-Dalmatcia, DD76 DALMATIA strong E PT
87.8 1710 27/05 HRV R-Dalmatcia, DD76 DALMATIA good E JK
87.8 0653 27/05 I R.Deejay Network, Savona (listed on 87.85) 5214 DEEJAY__ excellent E TB
87.8 0813 28/05 I Subasio Radio Network, unid site? 53FD SUBASIO_ excellent E TB
87.8 1825 27/05 SVN SVR-2, Telavi. Additional sites? fair E DS
87.8 1500 27/05 SVN SVR-2, Telavi. Additional sites? fair E DS
87.8 1457 26/05 POR un-id ads, unpip, news, site? 809C RO fair E MH
87.8 1802 27/05 SVN R.Fantasy, Celje-Svetina 62F4 ANTENA_1 good E JK
87.8 1858 29/05 E RNE-3, Baza (Granada). Club song by Moby E213 v good E JK
87.8 1820 27/05 SVN R.Fantasy, Celje-Svetina 62F4 ANTENA_1 good E JK
87.8 1739 29/05 SVN RTCI OM talk 7202 RTCI_____ good E MH
87.8 0850 30/05 TUN ERTT Arabic service, new site? Arabic music 7202 fair E IK
87.8 1302 27/05 AUT Oe-3 (multi tx) OM talk in German weak E MH
87.8 1412 22/05 E SER, Moron de la Frontera E239 excel lent E TB
87.8 1414 22/05 E Cadena Cien Pamplona or unlisted SER? OM/YL 5214 DEEJAY__ excellent E TB
87.8 1501 22/05 E SER, Moron de la Frontera?. YL talking, probably news E239 _SER___ good E DS
87.8 1501 22/05 E R.Eusikadi, Tolosa, Euskadi E302 EUSKADIZ excellent E TB
87.8 1545 22/05 E Cadena Cien Pamplona, dance mx. CAD-CIEN good E PL
87.8 2120 26/05 E CAD CIEN, Pamplona E2CE CAD-CIEN excellent E TB
87.8 2122 26/05 E RNE-4 talk E314 RNE-4_____ fair E MH
87.8 1121 28/05 E SER, om in talk via? _SER___ good E PL
87.8 1141 28/05 E SER song AF: 103.2 E239 _SER___ fair E MH
87.8 1145 28/05 E SER, Moron de la Frontera E239 good E PT
87.8 1241 28/05 E RNE4, Alpicat, Catalunya, om in talk RNE_4_____ good E PL
87.8 1620 29/05 E RNE-4, Catalunya, Alpicat E314 good E JK
87.8 1638 29/05 E SER. Moron Fronteira. Ads _SER___ good E DS
87.8 1639 02/06 E SER R Moron, Moron. Adverts E239 _SER___ fair E JF
87.8 0745 27/05 F Europe-1, St-Raphael EUROPE_1 v.good E JK
87.8 0805 27/05 F France Culture, Parthenay. Opera CULTURE_ fair E JF
87.8 0617 29/05 F RF-Culture, lots of sites listed F202 CULTURE_ good E PT
87.8 1746 31/05 F France Culture. Porto Vecchio. OM & YL CULTURE qs b E DS
<table>
<thead>
<tr>
<th>Frequency</th>
<th>Date</th>
<th>Time</th>
<th>Channel/Location</th>
<th>Description</th>
<th>Ratings</th>
<th>Provider</th>
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<tbody>
<tr>
<td>87.9</td>
<td>1749</td>
<td>31/05</td>
<td>France Culture, Parthenay.</td>
<td>Nostalgic music</td>
<td>F202</td>
<td><em>CULTURE</em> fair E JF</td>
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<tr>
<td>87.9</td>
<td>1749</td>
<td>31/05</td>
<td>RF-Culture, lots of sites listed</td>
<td></td>
<td>F202</td>
<td>CULTURE_ v.good E PT</td>
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<tr>
<td>87.9</td>
<td>1721</td>
<td>30/05</td>
<td>FNL YLE-1, Posio or Naatamo. Opera</td>
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<td>6201</td>
<td>YLENKSI fair E JF</td>
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<tr>
<td>87.9</td>
<td>0638</td>
<td>27/05</td>
<td>I R Maria. Como. Religious PX.</td>
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<td>R.MARIA_ E DS</td>
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<tr>
<td>87.9</td>
<td>0704</td>
<td>27/05</td>
<td>I R.Margherita-CNR , Palermo</td>
<td></td>
<td>5270</td>
<td>fair E TB</td>
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<tr>
<td>87.9</td>
<td>0834</td>
<td>27/05</td>
<td>I R Deejay. Roma</td>
<td></td>
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<td>DEEJAY__ E DS</td>
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<tr>
<td>87.9</td>
<td>1620</td>
<td>27/05</td>
<td>R Camaldoli Stereo (NA) pop, dead air, more pop</td>
<td>5045</td>
<td>good E MH</td>
<td></td>
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<tr>
<td>87.9</td>
<td>1637</td>
<td>27/05</td>
<td>I R Comaldi Stereo. Napoli. OM info &amp; ID, Italian vocals</td>
<td></td>
<td></td>
<td><strong>MALE</strong> E DS</td>
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<tr>
<td>87.9</td>
<td>0854</td>
<td>28/05</td>
<td>I R Camaldi Stereo, Napoli. Italian pop music</td>
<td>5045</td>
<td>v good E JF</td>
<td></td>
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<tr>
<td>87.9</td>
<td>0858</td>
<td>28/05</td>
<td>R.Camaldi Stereo, Napoli (listed on 87.95)</td>
<td>5045</td>
<td><em>STEREO</em> v.strong E PT</td>
<td></td>
</tr>
<tr>
<td>87.9</td>
<td>0555</td>
<td>29/05</td>
<td>I R.Margherita-CNR , Palermo</td>
<td>5270</td>
<td>v.good E JF</td>
<td></td>
</tr>
<tr>
<td>87.9</td>
<td>1759</td>
<td>31/05</td>
<td>I R Margarita-CNR</td>
<td>Palermo. ID &amp; ads</td>
<td>poor E DS</td>
<td></td>
</tr>
<tr>
<td>87.9</td>
<td>1248</td>
<td>29/05</td>
<td>MRC RTM. Rabat. French sce.</td>
<td>OM &amp; phone conversation</td>
<td>fair E DS</td>
<td></td>
</tr>
<tr>
<td>87.9</td>
<td>1419</td>
<td>22/05</td>
<td>I R.Margherita-CNR</td>
<td>French, Opera 6201</td>
<td>fair E JF</td>
<td></td>
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<tr>
<td>87.9</td>
<td>1456</td>
<td>26/05</td>
<td>POR RDP-1, Lousa. Portuguese OM talking // 87.7</td>
<td>5270</td>
<td>v.stron E TB</td>
<td></td>
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<tr>
<td>87.9</td>
<td>1207</td>
<td>31/05</td>
<td>S SR-1, 3 sites. OM talking // 88.1.</td>
<td>This channel weak and fluttery!</td>
<td>poor E JK</td>
<td></td>
</tr>
<tr>
<td>87.9</td>
<td>1834</td>
<td>27/05</td>
<td>(pres Radio 105)</td>
<td>rock/pop</td>
<td>poor E MH</td>
<td></td>
</tr>
<tr>
<td>87.9</td>
<td>1842</td>
<td>27/05</td>
<td>I Maria, music, YL talk</td>
<td></td>
<td>E615</td>
<td>fair E JF</td>
</tr>
<tr>
<td>88.0</td>
<td>1412</td>
<td>14/05</td>
<td>D Saarlandischer RF 1, Gottelborn H.</td>
<td></td>
<td></td>
<td><strong>SR_1</strong> good E PL</td>
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<tr>
<td>88.0</td>
<td>1838</td>
<td>27/05</td>
<td>D Bayern 4. Gelbelsee. Om with talks</td>
<td>BAYERN.4</td>
<td>fair E DS</td>
<td></td>
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<tr>
<td>88.0</td>
<td>1424</td>
<td>22/05</td>
<td>E RNE5, Mijas.</td>
<td>ID by OM, time check then news talk</td>
<td>RNE_5___ E615</td>
<td>fair E JF</td>
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<tr>
<td>88.0</td>
<td>1425</td>
<td>22/05</td>
<td>E RNE 5. Palencia (likely).</td>
<td>ID &amp; YL with info</td>
<td>RNE_5___ fair E DS</td>
<td></td>
</tr>
<tr>
<td>88.0</td>
<td>1540</td>
<td>22/05</td>
<td>E RNERVION Bilbao, pop mx,ads.</td>
<td>RNERVION <em>MUSICA</em></td>
<td>v.good E PL</td>
<td></td>
</tr>
<tr>
<td>88.0</td>
<td>1827</td>
<td>31/05</td>
<td>I One O One Network (FR)</td>
<td></td>
<td></td>
<td>EJ F</td>
</tr>
<tr>
<td>88.0</td>
<td>1648</td>
<td>31/05</td>
<td>E RNE-5, Malaga or Palencia</td>
<td>5045</td>
<td>v.strong E PT</td>
<td></td>
</tr>
<tr>
<td>88.0</td>
<td>1725</td>
<td>31/05</td>
<td>I R Maria</td>
<td>51CC</td>
<td>fair E JF</td>
<td></td>
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<tr>
<td>88.0</td>
<td>1748</td>
<td>31/05</td>
<td>I Radio 105, site?</td>
<td>pop</td>
<td>fair E MH</td>
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<tr>
<td>88.0</td>
<td>1827</td>
<td>31/05</td>
<td>I One O One Network (FR)</td>
<td>EFR</td>
<td>fair E MH</td>
<td></td>
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</tbody>
</table>
88.0 1835 31/05 I R DeeJay 5214 brief E MH
88.0 1851 31/05 I 101 Network, Frosinone. OM phone in
851 ONEONE_fair E JF
88.0 1902 28/05 LUT R.Lithuania Int'l in English 5215
good E TB
88.0 1633 29/05 MRC RTM. Unid site. YL in Arabic. Much weaker than // 87.6
fair E DS
88.0 2029 28/05 POL Polski Radio id/Radio BIS/PR2
good E JK
88.0 1704 31/05 POL Polskie 4. Rzeszow. YL with ID then news
good E DS
88.0 1430 22/05 POR RDP-2, Minheu. classical music 8202 fair E MH
88.0 1000 28/05 POR Occidente, Lisboa 8011
88.0 1722 30/05 S Stockholm Nearradio 1, Stockholm. 160 watts OM talk 8032 STO-NR-1
good E JF
88.0 1853 30/05 S YLE 1. Youtseno. Folk music & YL 8031 FORMULA1
good E TB
88.0 1250 27/05 SVN RS-1, Kriv 63A1 excellent E TB
88.0 1252 27/05 SVN RS-1, Krim 63A1.excellent E TB
88.0 1253 27/05 SVN RS-1, Krim. Vocals 63A1_v.good E PT
88.0 1701 31/05 SVN R Slovencia, Praga. Jazz music 63A1_fair E JF
88.0 1706 31/05 SVN RS-1, Kriv 63A1_v.good E PT
88.0 1852 31/05 S J Radio, 6 listed. 2 OM
88.1 1853 27/05 CZE R Sjmeje. Sjmeje. Vocals R-SLJEME
88.1 1044 28/05 E Formula-1, Clasica. Arguis. FORMULA1
88.1 1205 29/05 E RNE 2, Clasica.  Arguis. RNE-CLAS
88.1 1257 29/05 E Formula-1, Clasica. Arguis. FORMULA1
88.1 1553 29/05 E Formula 1. Unid site. Spanish vocals. FORMULA1
88.1 1644 31/05 E Formula 1. Unid site. 2 OM Formul1
88.1 0754 27/05 F Europe 2. Many listed. EG Pop EUROPE2
good E DS
88.1 1255 27/05 HRV R Sjmeje, Sjmeje. Local music 6049 R-SLJEME
88.1 1305 27/05 HRV R.Sljeme. Sljeme. Local music 6049 R-SLJEME
88.1 1935 27/05 I Bum Bum Energy, no listing! 51FF BUM_BUM_.good E JK
88.1 1937 27/05 I RAI 1. 3 listed. Sport RAI_MF1
88.1 2041 27/05 I RAI, this is a new one to me! 5206 RAI-MF1_v.good E JK
88.1 0808 28/05 I RADIO 88 ?? SEFF RADIO_88 strong E PT
88.1 0821 28/05 I RAI-1, 7 listed 5201 RAI_MF1_strong E PT
88.1 0857 28/05 I RAI, GRPR? 5206 RAI-MF1.excellent E TB
88.1 0455 29/05 I RAI-1, 7 listed 5201 RAI_MF1_v.good E PT
88.1 1709 31/05 I Bum Bum Network, unid site. (How rude!) Jingle ID
BUM_BUM_51FF BUM_BUM_.fair E JF
88.1 1424 22/05 POR R Comercial, Monchique. OM talking
88.1 1207 31/05 S SR-1, 1 high power, several low power here. OM talking E201 SR_P1_
88.2 1913 28/05 CZE R.Evop, Praha, Jazz Mx strong E PT
88.2 1502 22/05 E SER-1, Radio Vitoria E239 fair E TB
88.2 1130 28/05 E RNE-5, Madrid E215 poor E TB
88.2 1303 28/05 E RNE-Classical. Paramo RNE-CLAS
88.2 1701 27/05 HNG 88.2 Balaton Radio, Siofok (50watts) 8203 STO-NR-1
88.2 1337 22/05 I Latte Miele, Cagliari (CA), Sardinia AF: 87.6 YL-OM talk 8032 STO-NR-1
88.2 0801 27/05 I R.Deejay Network, 3 listed 5214 DEEJAY_.excellent E TB
88.2 0906 27/05 I R.Deejay Network, 3 listed 5214 DEEJAY_.excellent E TB
88.2 1127 27/05 I R 24, unid site. OM talking 5245 RADIO_24_change E JF
88.2 1220 27/05 I Radio-24, not listed? 5245 RADIO_24_change E JF
88.2 1300 27/05 I un-id YL/YL talk 5245 RADIO_24_change E MT
88.2 1829 27/05 I Radio-24, not listed? 5245 RADIO_24_change E MT
88.2 0850 28/05 I Radio-24, not listed? 5245 RADIO_24_change E MT
88.2 0931 28/05 I R.Publica, not listed? 5245 RADIO_24_change E MT
88.2 1120 31/05 I un-id music 5EFF fair E MH
88.2 1835 30/05 S SR-P4, Tasjo (R.Vasterbolten) E224 SR_P4_change v.good E PT
88.3 2125 28/05 CZE R.Kiss Hady 88FM, Brno 20A0 KISSHADY
good E JF
88.3 1822 27/05 HRV HRT-1, Vinkovci-Borinci 6341 HRT-HR_1
good E JF
88.3 0920 30/05 I R Deejay 5214 brief E MH
88.3 1835 31/05 S YLE 1. Youtseno. Folk music & YL 8032 STO-NR-1
88.4 1238 28/05 E Catalunya Radio, ads, talk, via CATRADIO
good E PL
88.4 1616 27/05 HNG Slager Radio, Kiskörös __SLAGER_fair E TB
88.4 1856 27/05 I R.Padova, Treviso 5360__PADOVA_.v.strong E PT
88.4 1600 27/05 POL R.Maryja, 2 sites listed 3233 R/MARYJA
88.4 1428 29/05 POR RDP2, Guarda, folk mx. ANTENA2
good E PL
88.4 1650 31/05 S SR P1, Boilnas, yt talking. SR_P1_.good E PL
88.5 1506 14/05 CZE CR1, Trutnov, level 42 song. CR1_fair E PL
88.5 1419 22/05 E Cadena 100, Valladolid. pop. CAD-CIEN_v.good E PL
88.5 1511 22/05 E CAD-CIEN, Valladolid E2CE CAD-CIEN_v.good E TB
88.5 1544 22/05 E COPE, San Sebastian, 2x yl on phone. ___COPE__ s,SEBAST_v.good E PL
88.5 1402 29/05 E RNE2, om talk, Basque area RNE-CLAS
88.5 1451 29/05 E Cadena Dial, Frontera, latin mx CAD_DIAL_FRONTERA_good E PL
88.5 0742 27/05 F RF-Musique, lots listed F203 MUSIQUES_good E TB
88.5 0756 27/05 F France Musique. St Lucie De Tellano. //88.0 poor E DS
88.5 0806 27/05 F France Musique, 7 transmitters listed - all under 200 watts! Film MUSIQUES Fair E JF
88.5 1025 31/05 F France Culture, poem about sperm! Gap CULTURE_ Good E PL
88.5 1923 31/05 F France Musique, unid site - nothing listed. Classical music F203 fair E JF
88.5 2114 31/05 I RAI MF1, football match. fair E PL
88.5 1423 22/05 POR UNID. Only R Club listed on this freq. Ads. qrm E DS
88.6 1600 22/05 E Catalunya Musica, Soriguera, big band mx. CATMUSIC v good E PL
88.6 1636 22/05 E Cadena Cien, phone in, via CAD-CIEN good E PL
88.6 1046 27/05 E RNE, Claust, Aitana, Valencia E212 RNE-CLAS good E TB
88.6 1302 28/05 E RNE2, Clasista, Aitana, classics RNE-CLAS fair E PL
88.6 1627 27/05 I R Camaldoli Stereo (NA) // 87.9 5045 fair E MH
88.6 1647 27/05 I UNID. Italian vocals & ID. 5045 D1_MAGIA *TOSCI* E DS
88.6 1936 27/05 I R Camaldoli Stereo, Napoli 5045 *STEREO* v.strong E PT
88.6 1939 27/05 I R.Radical, Rome (listed on 88.65) S210 RADICALE v.strong E PT
88.6 2040 27/05 I R.Radical, Rome (listed on 88.65) S210 RADICALE good E JK
88.6 2040 27/05 I Radio Capital, Rome, sport. _CAPITAL good E PL
88.6 1525 31/05 I Radio Radicale, via?, pop RADICALE good E PL
88.6 1638 31/05 I R Radicale. Roma. Talks RADICALE v. good E DS
88.6 1954 31/05 I R Radicale. Roma. Talks RADICALE good E DS
88.6 2049 31/05 I R Radicale (RM) talk 5210 RADIO__ RADICALE Fair E MH
88.6 1339 22/05 TUN ERTT, Bou-Kornine. songs AF: 98.2 92.0 7201 Rd-Jeune fair E MH
88.6 0745 28/05 TUN ERTT-Youth Radio Station, Tunis, Bou-Kornine 7201 RD-JEUN good E TB
88.6 22/05 E RNE-5, Cuidad Real good E TB
88.6 1131 22/05 E Cadena Cien, phone in, via CAD-CIEN CACERES_ good E TB
88.6 1339 22/05 I R.Radical, Bou-Kornine.  songs AF: 98.2 92.0 7201 88.6 2049 31/05 I R Radicale, Rome, sport. _CAPITAL good E PL
88.6 1919 31/05 I R Radicale, Rome, sport. _CAPITAL good E PL
88.7 0729 27/05 F NRJ, Ghisonaccia. French Pop 88.7 1635 27/05 I Energy, Padova fair E TB
88.7 0730 27/05 F NRJ, Ghisonaccia, Corsica 88.7 1637 22/05 E Radio Ole, pop, via OLE-88.8 good E PL
88.7 1408 22/05 E Onda Cero, Marbella ONDACERO excellent E TB
88.7 1112 28/05 E Onda Meridia fair E TB
88.7 0729 27/05 F NRJ, Ghizonaccia. French Pop NRJ__ fair E TB
88.7 0730 27/05 F NRJ, Ghizonaccia, Corsica F220 __NRJ__ fair E TB
88.7 1759 27/05 I Energy, Padova fair E TB
88.7 1621 27/05 MRC Network-A, Cap-spartel RTM Arabic E TB
88.7 1234 29/05 MRC RTM. Cap Spartel. Arabic see in mono. OM fair E DS
88.7 1644 29/05 MRC RTM-A, Cap Spartel. Tent. YL in Arabic. MONO fair E JF
88.7 1635 31/05 NOR NRK-1, Oslo om in talk. _NRK_P1_ good E PL
88.7 1001 28/05 POR Antenna-1, Monte Junto 8201 ANTENNA excellent E TB
88.7 1447 27/05 SVK R Devin, Namestovo. Flight music 5202 __DEVIN__ good E JF
88.7 1602 27/05 SVK R Devin (pres from PI code), site? Jazz 5202 poor E IK
88.7 2024 28/05 SVK S2 Radio Devin, Namestovo 5202 __DEVIN__ good E JK
88.7 1350 22/05 I R.Studio 2000, Catania fair E TB
88.8 1419 22/05 E RNE-5, several sites. RNE_5__ fair E PL
88.8 1426 22/05 E Cadena Cien. Jaen. CAD-CIEN CACERES_ good E DS
88.8 1546 22/05 E RNE-5, Cuidad Real good E TB
88.8 1630 22/05 E Radio Ole, spanish mx, via OLE-88.8 good E PL
88.8 1131 28/05 E UnID. OM (shared PI code) E2CE fair E IK
88.8 1651 02/06 E Cadena Cien, Caceres or Jaen. OM, Spanish music. Over Belmont E2CE v good E JF
88.8 1910 31/05 F France Culture, Lyon? OM talking. Over Belmont! F202 _CULTURE_ good E JF
88.8 2051 28/05 SVK Rdiio Hviezda FM, Nitra 535F good E TB
88.9 1637 22/05 F Radio Ole, pop, via OLE-88.8 good E PL
88.9 1134 28/05 E UniD. Flamenco music (probably R Ole) E278 poor E IK
88.9 1830 29/05 E Radioile, Arcos de la Frontera (Cadiz). Jingle ID E278 good E JF
88.9 1911 31/05 I RAI-1, unsure which site. Music 5201 RAI_MF1_ good E JF
88.9 1917 31/05 I RAI-1, Monte Limbara, Sassari 5201 RAI_MF1_ good E PT
88.9 1542 31/05 POR RDP-1, Monchique. OM on the phone 8201 ANTENA_1 good E JF
88.9 1133 27/05 E Cadena Top R, Valencia (Presmed) Phone in R_ESPANA good E DS
89.0 1422 29/05 F Radio Inter, Bayonne, om in talk fair E PL
89.1 1602 27/05 CZE R.Impuls. (listed on 89.0) Ostrava 2203 _INPULS_ v.strong E PT
89.1 2015 30/05 CZE CR1. Plzen talk about religion. _CR1__ good E PL
89.1 1445 22/05 E Cadena Cien. Badajoz. Ads CAD-CIEN qsb E DS
89.1 1245 25/05 E 40 Principales, vocal id, via CAD-40__ good E PL
89.1 1245 25/05 E Cadena 40, via?. Vocal I.D., pop mx. Mixing with Portugal. CAD-40__ good E PL
89.1 1627 31/05 E Onda Cero R, Algeciras. OM with ID good E JF
89.1 1652 02/06 E Cadena Cien, Badajoz? Ibiza also listed. Ad break E2CE CAD-CIEN v good E JF
89.1 1258 27/05 HRV Unid (R.Drnis, Drnis Lok?) C000 fair E TB
89.1 1220 27/05 I R.Dimsoouno, Bari 5264 excellent E TB
89.1 1242 25/05 POR R. Leziria, Vila Franca de Xira, "RL- FM". ads. 1kw. _RL_FM__ v good E PL
89.1 1549 31/05 POR R Club Leziria, Vila Franca de Xira. Chris Cross song 8038 _RL_FM__ v good E JF
89.2 1837 27/05 AUT OE 3, Graz. EG pop __OE-3__ HITRADIO E DS
89.2 1913 27/05 AUT OE 3, Graz, Britney shaking her moneymaker!. __OE-3__ good E PL
89.2 1446 22/05 E SER 1. 2 listed SER E DS
89.2 1141 27/05 E Onda Cero R. 2 Listed. Phone conversation ONDACERO fair E DS
89.2 1600 29/05 E R Ole, site? Latin music E226 fair E IK
89.2 1845 29/05 E Cadena SER, Baza. ID before commentary v good E JF
89.2 1555 31/05 POL Unid, om in talk. _TROJKI_ SZJAMY_DO 645_2233 good E PL
89.3 1711 27/05 CZE R Presston, Benesov. Folk music Presston fair E IK
89.3 2136 26/05 E COPE OM talk, netw ID, adverts E2CA GUADALAJ good E MH
89.3 1018 27/05 E RNE-1 RNE_1___ fair E MH
89.3 1108 28/05 E Cadena COPE, site? E2CA __COPE___ fair E IK
89.3 1251 29/05 E RNE-5 dominant until 1350 E615 RT: 'Radio 5, Todo Noticias de Radio Nacional de Espana * RNE 5 *' good E MH
89.3 1549 29/05 E Cadena SER, site? OM talk, mentions of Catalunya SER___ poor E IK
89.3 1610 29/05 E SER __SER___ brief E MH
89.3 1622 29/05 E RNE-1 E211 brief E MH
89.3 1325 22/05 I R Macomer Centrale, Macomer (NU), Sardinia OM ID, music, jingle ID (no RDS) E2CA AF:100.7 102.5 good E MH
89.3 0627 27/05 I un-id 5389 fair E MH
89.3 0900 28/05 I UnID. Advert 5389 fair E IK
89.3 0908 28/05 I UnID. 5389 fair E IK
89.3 1950 31/05 I R Flash, where? pop music 30311238 R.FLASH+ flashrd@ tin.it__ good E MH
89.3 1218 28/05 POR Antena 2 song AF:88.4 8202 ANTENA_2 fair E MH
89.3 1510 29/05 POR RDP-2, Lousa solid until 1610 8202 RT:Õ ANTENA 2 - RADIO CLASSICA      A Grande Musica e o resto.Õ AF: 93.9 88.4 104.2 89.3 88.4 92.9 ANTENA_2 good E MH
89.4 1624 29/05 E Cadena Cien E2CE brief E MH
89.4 1951 31/05 I R Monte Carlo? pop 5213 weak E MH
89.4 1956 28/05 POL un-id // 87.6 87.75 88.0 piano music (no RDS) fair E MH
89.5 1427 22/05 E Onda Cero R, Caceres. Ads. ONDACERO qrm E DS
89.5 1819 29/05 E Onda Cero R, Caceres. OM talking. Low modulation E2EE v good E JF
89.5 1855 29/05 E Formula 1, Macael. OM talking over some music Formula1_ ED S
89.5 1650 31/05 E Formula 1. Unid site. Pop Formulal_ E DS
89.5 1703 27/05 HNG Juventus R. OM, song, ads, music B4A1 JUVENTUS good E MH
89.5 1724 27/05 HNG Juventus R. Budapest. Vocals JUVENTUS E DS
89.5 2053 28/05 HNG Juventus R, Budapest B4A1 JUVENTUS v.stron E PT
89.5 1102 30/05 HNG Juventus R. Budapest. "Juventus Music Radio" ID B4A1 JUVENTUS fair E JF
89.5 1938 27/05 I RAI 3. 3 listed. Sport E DS
89.5 1941 27/05 I RADIO FLASH 5EC8 v.stron E PT
89.5 1952 31/05 I R Flash, where? pop music 5E68 R*FLASH* 30360630 flashrd@ tin.it__ good E MH
89.5 1338 22/05 TUN R Jeunes, Ghomrassen? Arabic service // 93.0 7201 Rd-Jeune fair E JF
89.6 1610 27/05 ? another stn xd AZ R pop 5472 arad E DS
89.6 1608 27/05 CZE AZ Radio YL and music 2063 AZ_RADIO good E MH
89.6 2012 28/05 CZE AZ Radio, Zlin 20C3 AZ_RADIO v.strong E PT
89.6 2111 28/05 CZE AZ Radio, Zlin 20C3 AZ_RADIO good E JK
89.6 1140 30/05 CZE AZ R, unid site. Promo then YL talking AZ_RADIO fair E JF
89.6 1414 22/05 E Cadena Dial, Palencia?. SS pop mx. CAD-DIAL good E PL
89.6 1448 22/05 E Cadena Dial. Palencia CAD-DIAL E DS
89.6 1456 22/05 E Cadena Dial, Palencia. Spanish music. Distorted audio (wide!) CAD-DIAL good E JF
89.6 1502 22/05 E CAD--DIAL E274 v good E PT
89.6 1515 26/05 E CAD--DIAL, Palencia E274 CAD-DIAL v.strong E PT
89.6 124 27/05 E UNID. COPE Alcobendas (presumed) Talks E2CA E DS
89.6 1147 28/05 E CAD--DIAL, Palencia E274 CAD-DIAL good E PL
89.6 1424 28/05 E Cadena Dial, om in phone in, via? CAD-DIAL good E PL
89.6 1429 22/05 F Dialogue Radio, Marseille. Talk DIALOGUE good E PL
89.6 0740 27/05 F RFM, Ajaccio F212 __R_FM__ good E JK
89.6 0746 27/05 F France Culture. Menton. YL with talks CULTURE good E DS
89.6 0756 27/05 F RFM. Ajaccio. Om & French pop __R_FM__ good E DS
89.6 0625 29/05 F RFM, Ajaccio F212 __R_FM__ v.good E PT
89.6 1750 31/05 F UNID French station with pop music, maybe corrupt PI ?? F36E fair E JF
89.6 1912 31/05 F RFM, Ajaccio. Pop music F212 __R_FM__ good E JF
89.6 2118 31/05 F RFM om with pop mx, via?. good E PL
89.6 1333 22/05 I R Planargia, Bosa, Sardinia adverts 0785..., music 56E8 R.P.BOSA fair E MH
89.6 0733 27/05 I R Coure? Ads in Italian 532F A9.CNDEC E DS
90.0 1503 26/05 E Cadena Cien, Salamanca music E2CE CAD- fair E MH
90.0 1508 26/05 E RNE 2 (Clasica), 3 listed. Opera RNE-CLAS good E DS
90.0 2133 26/05 E RNE-2 blank carrier E212 RNE-CLAS good E MH
90.0 1127 27/05 E EMU Chinta Radio. 3 Listed. ID & Ads E DS
90.0 1123 28/05 E Cadena Cien, Dire Straits, via CAD_CIEN good E PL
90.0 1819 29/05 E RNE-5, Boal (Astorga) listed. OM talking E515 good E JF
90.0 1127 27/05 E EMU Chinta Radio. 3 Listed. ID & Ads E DS
90.0 1149 28/05 E CAD_CIEN, Lug good E PT
90.0 1302 28/05 E RNE2, Clasica, several sites, in during every EA opening!. RNE-CLAS fair E PL
90.0 1417 29/05 E RNE-2, Jaizquibel, big opening to Basque area. RNE-CLAS good E PL
90.0 1847 27/05 SVN SLO1, Plesivec, French sce. OM & Vocals weak E DS
90.0 1847 27/05 SVN SLO1, Plesivec, French sce. OM & Vocals weak E DS
90.1 1359 29/05 E Euskadi 2, om in talk then news. via? EUSKADI2 good E PL
90.1 1847 27/05 ? un-id (German lang) YL reading news fair E MH
90.1 1902 22/05 I RAI-1, Monte Argentario (GR) YL-OM talk 5201 RAI_MF1 good E MH
90.1 2202 26/05 I Radio Maria, church service, via R_MARIA good E PL
90.1 0630 27/05 I RAI 1. Mt Argentario. Ads RAI__MF_ fair E JF
90.1 0640 27/05 I One-O-One Network. Roma. News. Mono TX CE101 good E PL
90.1 0850 27/05 I One-O-One Network, Roma, pop. ONEODNE good E PL
90.1 0938 31/05 I Radio Cooperativa, Milan?, yl talk _ERRECI_ good E PL
90.1 1551 31/05 I One o One network, pop?, via? ONEOONE good E PL
90.1 1732 27/05 SVK SR S-1 OM talk 5201 SRO_-S1 fair E MH
90.2 1235 27/05 ? Nostalgie. Jingle & Pop heard briefly weak E DS
90.2 1613 29/05 E Cadena Dial. La Linea. Spanish vocals CAD_DIAL good E PT
90.2 1618 29/05 E CAD -- DIAL E274 CAD_DIAL good E PT
90.2 1619 29/05 E Cadena Dial?, Gibraltar area, pop C_GIBRAL good E PL
90.2 1831 29/05 E Cadena Dial, Campo de Gibraltar. ID, Spanish song C_GIBRAL good E JF
90.2 1831 29/05 E CAD -- DIAL E274 CAD_DIAL v.good E PT
90.2 1840 27/05 HNG Slager R. Unid site. OM with ID's poor E DS
90.2 0943 31/05 I Radio Italia, via?, pop RITALIA good E PL
90.2 1612 31/05 I Radio Maria, religion, via? R_MARIA good E PL
90.2 1626 22/05 P OR R Renascencia, Montejunto. OM talking 8221 __RR__ fair E JF
90.2 1430 22/05 P OR R Renescencia. Montejunto. Ads __RR__ fair E DS
90.2 1627 31/05 P OR Radio Renascena, Montejunto, om in talk. __RR__ fair E PL
90.2 1656 31/05 S SR P2, Hudiksval, spanish progl. _SR_P2_ good E PL
90.3 1446 26/05 E RNE-5, Torrepana, Madrid RNE_5__ strong E PT
90.3 1503 26/05 E ONDACERO, Jerez E2EE v.strong E PT
90.3 1048 27/05 E RNE 2 Clasica. Benicasim..Classical music RNE_CLAS fair E DS
90.3 1142 28/05 E ONDACERO, Jerez E2EE ONDACERO good E PT
90.3 1617 29/05 E Onda Cero R. Jerez. YL ONDACERO good E DS
90.3 1825 29/05 E Cadena Dial. La Linea. Light vocals ONDACERO fair E JF
90.3 1844 29/05 E Onda Cero R Arenal, Jerez de la Frontera. OM talking E2EE ONDACERO fair E JF
90.3 1638 31/05 E RNE 5. Torrepana RNE_5__ good E DS
90.3 1737 31/05 E RNE-5, Torrepana. YL rambling E215 _RR__ fair E JF
90.3 1922 31/05 F MFM, Poss St Tropez but others listed, eg Cannes. ID, pop F225 __M_FM__ fair E JF
90.3 1930 31/05 F MFM, Decazeville F225 v.good E PT
90.3 1756 27/05 I RAI-2, 7 listed 5202 good E PT
90.3 1917 27/05 I R Dim Suono. Roma. Italian vocals & ads. DIMSUONO good E DS
90.3 0649 27/05 I RAI-2, 7 listed good E PT
90.3 1838 31/05 I R Deejay. Roma. Dance music, _DEEJAY_ fair E DS
91.2 1638 22/05 E RNE 1, light pops, via RNE_1___ good E PL
91.2 0904 28/05 I RAI-2, Monte Cavo. Children's drama 5202 RAI-MF2___ fair E IK
91.2 2037 28/05 SVK S1 Slovensko-1, Nitra 5201 SRO__SL__ v.good E PT
91.3 1700 31/05 D Bayern 1. Munichen. ID & News BAYERN_1 good E DS
91.3 1705 31/05 D UNID German. Pop music. This is a long-shot, the signal was not fair E JF
91.3 listed on this channel: R Leipzig with 4kW, I wonder 16D1
91.3 1253 27/05 HRV HRT-1, 3 sites listed. ID in promo between songs 6341 HRT-HR_1 fair E JF
91.3 1707 31/05 HRV HRT-1, 3 listed 6341 HRT-HR1__ v.good E PT
91.3 1322 22/05 I RAI-1, Punta Badde Urbana, Sardinia. Big band song 5201 RAI-MF1__ fair E JF
91.3 1459 22/05 I RAI-1, Punta Badde Urbana, ads. RAI-MF1__ v good E PL
91.3 0808 27/05 I RAI-1, Punta Badde Urbana. OM talking // 90.7 5201 RAI-MF1__ fair E JF
91.3 0833 28/05 I Italia Network, site? Moloko's "The Time is Right" 5241 *ITALIA__ fair E IK
91.3 0620 29/05 I RAI-1, Punta Badde Urbana, Sardegna RAI-MF1__ good E JF
91.3 0704 29/05 I RAI-1, Punta Badde Urbana, Sardegna RAI-MF1__ v.good E PT
91.3 1938 28/05 POL Trojka, site? YL talk 3233 _TROJKAp__ poor E IK
91.4 1127 28/05 ? UnID. Pops 227A fair E IK
91.4 1430 22/05 E SER 1. Ph in with YL __SER__ E DS
91.4 1700 22/05 E Ondacero news and id, via Ondacero good E PL
91.4 1247 27/05 E Radio Surco, Tomellosco, om id 91.4ILLA good E PL
91.4 1117 28/05 ? UnID. Pops 227A fair E IK
91.4 1226 29/05 E R Surco Cadena Centro. Tomellosco. OM with talks 91.4_F.M TELEFONO 505960__ TV.RADIO SURCO__CASTILLA RADIO__ LAMANCHA excellent E IK
91.4 1550 29/05 E Cadena SER, Plasencia. OM & YL gabbling! E239 _SER__ fair E IK
91.4 1624 29/05 E Europa FM. Unid site. Eg pop EUROPAFM good E DS
91.4 1628 29/05 E R Ole. ID & Tradit Span MX. qsb E DS
91.4 1700 29/05 E Europa FM, Andalucia area, pop. EUROPAFM good E PL
91.4 1841 29/05 E R Surco, Tomellosco. LAMANCHA TELEFONO _505960__ TU_RADIO __RADIO__ SURCO__ 91.4_F.M CASTILLA fair E IK
91.4 1853 29/05 E R Surco _RADIO__ 91.4_F.M TELEFONO _SURCO__ 227A v good E JF
91.4 1947 27/05 I UNID. Possibly R Monte Carlo. YL "Monte Carlo Nights" 5213 YLMC???? E DS
91.4 1615 31/05 I RMC, U2 song, via?._RMC_FM__ good E PL
91.5 1355 22/05 I un-id adverts for Computers, Virgin Cola RMC_FM__ fair E MH
91.5 0724 29/05 I R Deejay, Cagliari? Latin music 5214 _DEEJAY__ good E IK
91.6 1845 27/05 D Bayern 2. Hoher Bogen. Classical music BAYERN_2 fair E DS
91.6 1906 27/05 GRC un-id. Greek?? OM talk, YL adverts 1202 ER__ fair E MH
91.6 1611 27/05 I R Monte Carlo FM (NA) pop, DJ, Mariah Carey 5213 _RMC_FM__ good E MH
91.6 1840 31/05 I RMC FM. Unid site. Ads. _RMC_FM__ E DS
91.6 1249 28/05 POR Radio VOXX, Lisbon 804C ___VOXX__ good E JP
91.7 1140 30/05 CZE R Zlin, unid site. Pop music 20C1 _ZL__I__N__ fair E JF
91.7 1840 30/05 E UNID E039 v.good E PT
91.7 1635 31/05 E Cadena Dial. Madrid. Ads qrm E DS
91.7 1858 27/05 I RAI-2, lots listed here 5202 RAI-MF2__ v.good E JF
91.7 0529 29/05 I RAI-2, lots listed here RAI-MF2__ E JT
91.7 1918 28/05 POL PR-Katowice, Chestochowa 3233 strong E PT
91.7 1830 30/05 POL PR-Katowice, Chestochowa 3233 v.good E PT
91.7 1250 28/05 POR Radio VOXX, Lisboa (this is listed on 91.6) 804C ___VOXX__ v.good E PT
91.7 1724 30/05 ? E Euro TV sound. Sounds Polish but unsure v.good E JF
91.8 0835 31/05 D SWR2, Morgen show, 2 sites SWR2__ good E PL
91.8 1415 22/05 E RNE1, Chinchilla, yl in talk. RNE1__ v.good E PL
91.8 1440 22/05 E SER 1. Villanueva. /914. Phone in v.good E DS
91.8 1510 26/05 E SER 1, Vagas Altas E239 v.stron E PT
91.8 1200 27/05 E RNE-1, Castilla la Mancha E711 RNE1-CLM__ v.stron E PT
91.8 1620 27/05 E UNID E000 good E PT
91.8 1014 28/05 E R La Linea, unid site. Spanish music 91.8___ RADIO__ LA_LINEA brief E PB
91.8 1335 28/05 E SER vocal id, Valencia region?. _SER__ fair E PL
91.8 1225 29/05 E Cadena Dial. Pozo Alcon (Where is this located??) Jingle & ID E DS
91.8 1638 28/05 E CAD--DIAL, Andalucia Este E274 _DIAL__ fair E PL
91.8 1923 29/05 E Cadena Cope. Mogorac. OM, ID and YL. _COPE__ fair E DS
91.8 0800 27/05 F France Inter. St Lucie De Tellano. T/S, ID & News _INTER__ fair E DT
91.8 1921 31/05 F France Inter, St Tropez. OM talking F201 _INTER__ fair E JF
91.8 1923 27/05 GRC un-id. Greek music good E MH
91.8 1610 27/05 HNG Jam 91.8 Balaton B002 JAM_91.8 v.strong E PT
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<th>Frequency</th>
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<td>1629</td>
<td>RNE1, Lagar de la Cruz</td>
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<td>1635</td>
<td>Cadena Los 40 Principales</td>
<td>Pamplona. Jingle then faded out.</td>
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<td>RTL2, pop, via?</td>
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<td>Radio Dance 9, somewhere in Central Europe, om in talk</td>
<td>fair</td>
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<td>92.3</td>
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<tr>
<td>92.3</td>
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<td>92.3</td>
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<td>Radio Star, Marseille. &quot;Encore plus de Musique&quot;. Arab style pop.</td>
<td><strong>STAR</strong></td>
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<td>92.3</td>
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<td>SuperHit Radio, via?, pop</td>
<td>SUPERHIT</td>
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<td>92.3</td>
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<td><strong>RADIOLE</strong></td>
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<td><strong>RADIOLE</strong></td>
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<td>Cadena Dial, Jerez, pop</td>
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<td>1849</td>
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<td>92.4</td>
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<td><strong>INTER</strong></td>
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<tr>
<td>92.4</td>
<td>0631</td>
<td>RF-Inter, 5 sites listed</td>
<td>F201</td>
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<tr>
<td>92.4</td>
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<td>France Inter, Ajaccio. OM talk</td>
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<td>92.4</td>
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<td>France Inter, Ajaccio. YL &amp; OM discussion</td>
<td>F201</td>
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<td>92.4</td>
<td>1318</td>
<td>RTL 102.5, Cagliari (CA), Sardinia</td>
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<td>Rete Oro, unid site. English pop song</td>
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<td>RAI 2, via</td>
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<td>Tam Tam Radio, popmx, via</td>
<td><strong>R.C.E.</strong></td>
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<td>1557</td>
<td>R Maria, religion, via?</td>
<td><strong>R.MARIA</strong></td>
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<td>SR P2, Horby, om in talk</td>
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<td>SVN VAL 202, Plesivce, om talk.</td>
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<td>CZE CR-1, Val Mezirici. YL talking</td>
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<td>Radio Denia. Denia. Spanish vocals</td>
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<td>RNE 1. 2 Listed. OM with talks</td>
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<td>1137</td>
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<td>1903</td>
<td>SER-1, Radio Denia Costa Blanca</td>
<td>E279</td>
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<td>Gamma Radio, Milan</td>
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<td>1502</td>
<td>RDP-2, Porto</td>
<td>8202</td>
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<td>2029</td>
<td>CZE CRO-2 Praha, Brno</td>
<td>232E</td>
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<td>1904</td>
<td>D SWR1, ??</td>
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<td>RNE-2, Punta Umbria. Classical music // 93.7</td>
<td>E212</td>
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<td>1826</td>
<td>RNE-2, Punta Umbria. &quot;R Clasica&quot; ID</td>
<td>v good</td>
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<td>1847</td>
<td>RNE-2, Punta Umbria. Harp music</td>
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<td>Radio Studio-5, L'Aquila</td>
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<td>E Onda Cero, Albacete.</td>
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<td>1717</td>
<td>HNG Petofi R, Tokaj. Drama</td>
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<td>1322</td>
<td>I RAI-2, Monte Serpeddi (CA), Sardinia music</td>
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<td>92.8</td>
<td>1946</td>
<td>AUT OE1, Klagenfurt, classics.</td>
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<td>RNE-5, om in talk via?</td>
<td><strong>RNE</strong></td>
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<td>Ondacero, talk, via</td>
<td><strong>ONDA-CERO</strong></td>
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<td>1614</td>
<td>ONDA-CERO, Murcia</td>
<td>E2EE</td>
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<td>1905</td>
<td>France Musique, several sites, mx.</td>
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<td>RAI 3, Monte Serra (PI), classics.</td>
<td><strong>RAI_MF3</strong></td>
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<td>93.0</td>
<td>1404</td>
<td>RNE-3, Monreal, Navarra, Eastern music.</td>
<td>RNE_3___</td>
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<tr>
<td>93.0</td>
<td>0803</td>
<td>Nostalgie, Ajaccio. French pop</td>
<td>NOSTALGI</td>
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<tr>
<td>93.0</td>
<td>0632</td>
<td>Nostalgie, nothing listed on this freq</td>
<td>F218</td>
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<tr>
<td>93.0</td>
<td>1914</td>
<td>Nostalgie, Ajaccio. Old French pop song</td>
<td>F218</td>
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<td>93.0</td>
<td>1900</td>
<td>I Capital Radio Music Network, Bergamo</td>
<td><strong>CAPITAL</strong></td>
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<td>93.0</td>
<td>1953</td>
<td>POL RMF FM, Katowice</td>
<td><strong>RMF_FM</strong></td>
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AF: 100.0 97.1 92.0

Katowice
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<tr>
<th>Frequency</th>
<th>Date/Time</th>
<th>Station</th>
<th>City/Location</th>
<th>Language</th>
<th>Remarks</th>
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<tr>
<td>93.0</td>
<td>2015 28/05</td>
<td>RKF FM, Katowice</td>
<td>pop music</td>
<td>good</td>
<td>E MH</td>
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<tr>
<td>93.2</td>
<td>2016 27/05</td>
<td>Bayern 4. Hluehberg. Music</td>
<td>weak</td>
<td>E JF</td>
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<td>93.6</td>
<td>2017 01/05</td>
<td>SER, om in talk on phone, via</td>
<td>good</td>
<td>E PL</td>
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<tr>
<td>93.1</td>
<td>2018 25/05</td>
<td>R Horta, Valencia??</td>
<td>good</td>
<td>E DS</td>
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<tr>
<td>93.1</td>
<td>2019 01/05</td>
<td>Cadena... SER Malaga (presumed). OM &amp; pop</td>
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<td>E DS</td>
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<tr>
<td>93.1</td>
<td>2020 02/05</td>
<td>BF-Inter, Marseille</td>
<td><em>BF</em></td>
<td>v.good</td>
<td>E JK</td>
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<td>93.1</td>
<td>2021 03/05</td>
<td>RAI-2, Punto Badde Urbara, Sardinia. OM then C&amp;W song</td>
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<td>E JF</td>
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<td>93.2</td>
<td>2023 05/05</td>
<td>RNE 2, Valencina. Choral music</td>
<td>excellent</td>
<td>E IK</td>
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<td>93.2</td>
<td>2024 06/05</td>
<td>RNE 2.</td>
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<td>E PL</td>
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<td>93.3</td>
<td>2026 08/05</td>
<td>SER station, news, baque or Navarra areas presumed.</td>
<td>good</td>
<td>E PL</td>
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<td>93.3</td>
<td>2027 09/05</td>
<td>RNE 2, Punta Badde Urbara</td>
<td><em>BF</em></td>
<td>v.strong</td>
<td>E JF</td>
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<td>93.3</td>
<td>2028 10/05</td>
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<td>E PL</td>
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<tr>
<td>93.3</td>
<td>2029 11/05</td>
<td>Onda Cero, Porto</td>
<td>good</td>
<td>E MH</td>
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<tr>
<td>93.4</td>
<td>2030 12/05</td>
<td>Radiole, Alora (Malaga) listed</td>
<td>Spanish music</td>
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<tr>
<td>93.4</td>
<td>2031 13/05</td>
<td>Radiole. Unid site.</td>
<td>ID as Radio Real</td>
<td>poor</td>
<td>E MH</td>
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<tr>
<td>93.5</td>
<td>2032 14/05</td>
<td>RNE2, Radio Clasica, Chinchilla, classics</td>
<td><em>BF</em></td>
<td>v.strong</td>
<td>E PL</td>
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<td>93.5</td>
<td>2033 15/05</td>
<td>RNE 2.</td>
<td><em>BF</em></td>
<td>v.strong</td>
<td>E JF</td>
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<td>93.6</td>
<td>2034 16/05</td>
<td>RNE 2.</td>
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<td>93.6</td>
<td>2035 17/05</td>
<td>Radio Veronica</td>
<td>good</td>
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<tr>
<td>93.7</td>
<td>2036 18/05</td>
<td>?</td>
<td><em>BF</em></td>
<td>v.strong</td>
<td>E PL</td>
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<td>93.7</td>
<td>2037 19/05</td>
<td>REN2, Valencina. “R Clasica, R Nacional de Espana”</td>
<td><em>BF</em></td>
<td>v.strong</td>
<td>E PL</td>
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<td>93.7</td>
<td>2038 20/05</td>
<td>Radiole. Unid site.</td>
<td>Traditional Spanish music</td>
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<td>2039 21/05</td>
<td>Radiole. Unid site.</td>
<td>ID as Radio Real</td>
<td>poor</td>
<td>E MH</td>
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<td>2042 24/05</td>
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<td>ID as Radio Real</td>
<td>poor</td>
<td>E MH</td>
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<td>93.8</td>
<td>2043 25/05</td>
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<td>Radiole. Unid site.</td>
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<td>Radiole. Unid site.</td>
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<td>E PL</td>
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<td>93.9</td>
<td>2046 28/05</td>
<td>Europa FM. Unid Site, presumed to be Benidorm. Spanish vocals</td>
<td><em>BF</em></td>
<td>v.strong</td>
<td>E PL</td>
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<td>93.9</td>
<td>2047 29/05</td>
<td>Catena Los 40 Principales, Barcelona. Jingle &amp; pop</td>
<td><em>BF</em></td>
<td>v.strong</td>
<td>E PL</td>
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<td>93.9</td>
<td>2048 30/05</td>
<td>France Inter, St Giron.</td>
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<td>93.9</td>
<td>2049 31/05</td>
<td>Petofi Radio, Tokaj</td>
<td><em>BF</em></td>
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<td>E PL</td>
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<td>Petofi Radio, Tokaj</td>
<td><em>BF</em></td>
<td>v.strong</td>
<td>E PL</td>
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<td>93.9</td>
<td>2051 02/06</td>
<td>R Maria</td>
<td><em>BF</em></td>
<td>v.strong</td>
<td>E PL</td>
</tr>
</tbody>
</table>

**Notes:**
- **E:** East, **J:** Japa, **F:** France, **D:** Germany, **PL:** Poland, **ES:** Spain, **IT:** Italy, **UK:** United Kingdom, **US:** United States, **FR:** France, **DE:** Germany, **PL:** Poland, **ES:** Spain, **IT:** Italy, **UK:** United Kingdom, **US:** United States.
94.0 1154 28/05 E RNE2. Andalucia, classics, via?. RNE-CLAS good E PL
94.0 1630 29/05 E RNE 2, Clasica. Cadiz. Opera RNE-CLAS good E DS
94.0 1622 29/05 E RNE-2, Tajo de las Escobas (Cadiz). OM interrupting classical piece RNE-CLAS good E JF
94.0 1920 27/05 I un-id ??R Cuore?? pop 522F leGRANDI fair E MH
94.1 1923 28/05 CZE Radio Frekvence-1, C.Budejovice RADIO_F1 good E JK
94.1 1626 31/05 E Europa Fm. Unid site. EUROPAFM good E DS
94.1 1115 27/05 E Cadena SER. Avila. ID & ads E DS
94.1 1612 29/05 E RNE2, Andalucia, classics, via?. RNE-CLAS good E PL
94.1 1636 31/05 E Europa Fm. Unid site. EUROPAFM good E DS
94.1 1500 22/05 E RNE3, pop mx, via Soria, likely. RNE_3___ good E PL
94.1 1622 29/05 E RNE-2, Clasica.2 Listed. Opera RNE-CLAS fair E DS
94.2 1326 28/05 E RNE3, pop mx, via Soria, likely. RNE_3___ good E PL
94.2 1432 22/05 I RAI-1, Monte Penice, Lombardia 5201 RAI_MF1_ v.strong E PT
94.2 1346 27/05 I Radio Eco, Italian pop mx, via RADIOECO good E PL
94.2 1625 31/05 Unid. Italian pop. 5158 *FEMIO_ good E DS
94.3 1500 22/05 E RNE 3. Soria (likely). ID as Andalucia poor E DS
94.3 1635 29/05 E RNE-2, Radio Clasica, Cartagena, classics. RNE-CLAS good E PL
94.3 1907 29/05 I Radio Cl1 pop 50FE RAIOMCL1 fair E MH
94.4 1432 22/05 E RNE 2, Clasica. 2 Listed. Opera RNE-CLAS good E DS
94.4 1443 22/05 I SER 1. Caceres. // 91.4 Phone in fair E DS
94.4 1518 22/05 I Euskadi 1, Jaizquiibel, om/yi in talk. EUSKADII v good E PL
94.4 1639 22/05 E SER, talk then pop mx, via _SER_ good E PL
94.4 1114 27/05 E Cadena Cien. Unid site. ID & pop good E DS
94.4 1222 27/05 I R Maria. Many listed. Singing // 87.9 weak E DS
94.4 1904 31/05 I RTL, English pop, via. _RTL_TO_ good E PL
94.4 1933 31/05 I R maria. 5 listed. Talks _R.MARIA_ fair E DS
94.4 1346 27/05 I RNE-2, Radio Clasica, Cartagena, classics. RNE-CLAS good E PL
94.5 1904 31/05 I RTL, English pop, via. _RTL_TO_ good E PL
94.5 1502 22/05 I RNE-2, Tajo de las Escobas (Cadiz). OM interrupting classical piece RNE-CLAS good E PL
94.5 1405 29/05 E RNE-1, Cuarte Torrero, Aragon, talk RNE_1___ good E PL
94.5 1827 29/05 E RNE-2. Jerez. Talks RNE-2_. JEREZ. TALKS good E DS
94.5 1502 22/05 I RAI 3, via?. Jazz mx. RAI_MF3_ good E PL
94.5 1811 27/05 I Italia R jingle ID 5233 _ITALIA_R fair E MH
94.5 1346 27/05 I RNE-2, Radio Clasica, Cartagena, classics. RNE-CLAS good E PL
94.6 1253 29/05 E RNE-1, om in talk about Catalunya

94.6 1500a 29/05 POR Sagres FM, Vila do Bispo.

94.6 1711 27/05 SVN S-2, Tinjan

94.6 1858 27/05 SVN VAL202, Mad-donna song, via Tinjan.

94.7 2115 15/05 F RF Frequence Nord, Lille. Music

94.7 1844 27/05 I RAI-1 OM talk

94.7 1433 22/05 POR 2 x UNID Portuguese stations mixing

94.7 1455 22/05 POR un-id OM in PT, adverts

94.8 1455 22/05 E Cadena Dial. Segovia. Spanish vocals

94.8 1140 28/05 E M-80 Radio, Sevilla. Ballad

94.9 0636 29/05 F France Culture, Ile Roussee likely. OM talk, fighting Musique

94.9 1124 28/05 E RNE1, om in talk, via

95.0 1004 31/05 I R Centro 95, ads, via?

95.0 1128 28/05 E un-id talk

95.0 1115 28/05 E un-id talk

95.1 1128 31/05 E RNE-1, om in talk about Catalunya

95.1 1185 29/05 E R Euskadi 1. Zaldaran. PI: E301 only despite a good signal.

95.1 1117 27/05 E Ondacero R. Villajoyosa. ID and talks

95.1 1253 29/05 E RNE-1, om in talk about Catalunya

95.1 1918 29/05 E R Euskadi. Zaldaran. OM/YL with talks

95.1 1919 31/05 F R Mediteraneo? Unid site. OM/YL with traditional music and ID fair E DS

95.1 1155 28/05 E un-id talk E256 fair E MH

95.1 1746 31/05 E Unid. PI E256 = Economia, Madrid. Vinilo & Intercontinental listed

95.1 1857 29/05 E R Mediteraneo? Unid site. OM/YL with traditional music and ID fair E DS

95.1 1155 28/05 E RNE-1 talk E256 fair E MH

95.2 1229 27/05 E RTL, Bari or Bolzano. Pops and OM presenter

95.2 1357 28/05 E RNE-3, 2x om + yl talking, 2 sites.

95.2 1330 31/05 E Unid. ID sounded like Solo Quento. Possibl

95.2 1433 22/05 E Cadena Dial. Segovia. Spanish vocals

95.2 1455 22/05 E RNE-1, om in talk about Catalunya

95.2 1844 27/05 I RTL: 'Radio 1 de Radio Nacional de Espana'

95.2 1205 28/05 E RNE-1 om in talk, via

95.2 1128 31/05 E RNE-1 news E211

95.2 1830 29/05 E RNE 1 Punta Umbria. T/seg. ID & News

95.1 1746 31/05 HRV HR1. Ulenje. classics.

95.1 1840 27/05 HRV HR1-1. Ulenje. classics.

95.2 1004 31/05 I R Centro 95, ads, via?.

95.2 1433 22/05 E R Euskadi 1. Zaldaran. PI: E301 only despite a good signal.

95.2 1823 29/05 E Unid. PI E256 = Economia, Madrid. Vinilo & Intercontinental listed

95.2 1753 31/05 I RAI-2, Monte Limbara, Sardegna

95.2 0638 29/05 F France Musiques, Corte or Bonifacio. OM talk

95.2 0636 29/05 F France Culture, Ile Rousse likely. OM talk, fighting Musique

95.2 0657 29/05 I RAI-2, Monte Limbara. Talk

95.3 1406 29/05 E 40 Principales, Zaragoza, pop.

95.3 1433 22/05 E R Euskadi 1. Zaldaran. PI: E301 only despite a good signal.

95.3 1458 22/05 E R Euskadi 1. Zaldaran. PI: E301 only despite a good signal.

95.5 1611 27/05 CZE Evropa 2, Zlin. Pops

95.5 1445 22/05 E Cadena SER, Arosa advert "E043"

95.6 1700 27/05 I? UnId. Europop (AF: 91.3, 93.5, 104.9)

95.7 1831 29/05 E Unid. Pop

95.7 0635 29/05 I R.Sintony Int Sutio 101 Network, Sassari

95.7 0659 29/05 I R.Sintony Int Sutio 101 Network, Sassari

95.7 1500 26/05 POR RDP-1, Lisboa

95.8 1357 28/05 E RNE-3, Navacerrada, light pops

95.8 1628 31/05 E RNE 3. Puerto De Naveccerada. OM & music
95.9 1005 31/05 I R.Zeta, pop mx, via?. *R-ZETA* good E PL
96.0 1247 27/05 ? un-id pop, OM fair E MH
96.0 1834 29/05 ALG? UNID. Arabic in mono. Algeria has been logged here in Europe fair E JF
96.0 1345 28/05 E RNE-3, om in talk, Sierra Almaden RNE_3___ good E PL
96.0 1848 29/05 E RNE-3, many sites. “Here Comes The Sun” E213 RNE_3___ fair E IK
96.0 1850 29/05 E RNE-3 AF: 87.8 93.9 96.8 98.6 106.8 E213 RNE_3___ good E MH
96.0 1852 29/05 E RNE-3, Siera de Almaden. Spanish OM talking quietly! E213 RNE_3___ good E JF
96.0 1859 28/05 POL Trojska, site? Pop music 3233 _TROJKA_ poor E IK
96.0 1658 31/05 S SR P3, Bolnias, mx. _SR_P3___ good E PL
96.1 1406 29/05 F France Culture, Bayonne, om in talk. _CULTURE_ good E PL
96.1 1712 27/05 HRV HRT-2, 2 sites listed 6342 v.strong E PT
96.1 1828 27/05 HRV HR2, Labinistica, om in talk HRT-HR_2 good E PL
96.1 1837 27/05 I R Radicale. OM talk. 5210 RADICALE good E MH
96.1 1610 31/05 I Radio suby?, om in talk, via?. _SUBY_ good E PL
96.2 1456 22/05 E SER 1 Palencia (likely). 2YL’s _SER_ good E DS
96.2 1412 28/05 E SER, talk about tourism, via? _SER_ good E PL
96.2 1829 29/05 E Cadena SER, Palencia. OM talk E239 _SER_ fair E IK
96.2 1831 29/05 E Canal Sur R. San Cristobal. 2 OM CanalSur good E DS
96.2 1858 29/05 E Cadena Dial. Almeria. Spanish vocals _DIAL_ fair E DS
96.2 1623 31/05 E Cadena Dial. Unid site. Ads & talks CAD-DIAL fair E DS
96.2 1929 28/05 POL Trojska, site? YL talk 3233 poor E IK
96.3 1406 29/05 F France Culture, Bayonne, om in talk. _CULTURE_ good E PL
96.3 1712 27/05 HRV HRT-2, 2 sites listed 6342 v.strong E PT
96.3 1828 27/05 HRV HR2, Labinistica, om in talk HRT-HR_2 good E PL
96.3 1837 27/05 I R Radicale. OM talk. 5210 RADICALE good E MH
96.3 1610 31/05 I Radio suby?, om in talk, via?. _SUBY_ good E PL
96.4 1456 22/05 E SER 1 Palencia (likely). 2YL’s _SER_ good E DS
96.4 1412 28/05 E SER, talk about tourism, via? _SER_ good E PL
96.4 1829 29/05 E Cadena SER, Palencia. OM talk E239 _SER_ fair E IK
96.4 1831 29/05 E Canal Sur R. San Cristobal. 2 OM CanalSur good E DS
96.4 1858 29/05 E Cadena Dial. Almeria. Spanish vocals _DIAL_ fair E DS
96.4 1623 31/05 E Cadena Dial. Unid site. Ads & talks CAD-DIAL fair E DS
96.4 1929 28/05 POL Trojska, site? YL talk 3233 poor E IK
96.5 1955 31/05 TUN INTER 7202 INTER_ good E PT
96.6 1454 22/05 E RNE-3, Jerez de la Frontera. music E213 RNE_3___ good E JF
96.6 1220 29/05 E Onda Cero Radio. Cartagena. Om with news ONDACERO fair E DS
96.6 1834 29/05 E RNE-3, Jerez de la Frontera. Daft Spanish song E213 RNE_3___ good E JF
96.6 1832 29/05 E RNE 3. Jerez. Singing RNE_3___ good E DS
96.6 1710 27/05 HNG Slager Radio, Csavolay B206 _SLAGER_ v.strong E JF
96.6 1728 27/05 HNG Slager Radio, Csavolay B206 _SLAGER_ strong E PT
96.6 2020 28/05 HNG Petofi Radio, Sopron B201 _PETOFI_ strong E PT
96.6 1925 31/05 F France Inter. Probably Porto Vecchio but Bastlia also here from same dept (20). OM talking F201 fair E JF
97.0 27/05 SVK R.KIKS, Michalovec _KIKS_ v good E PL ZARAGOZA
97.1 1835 29/05 E SER/40, Sevilla. Promotional spot E035 _CUARENTA_ fr/good E JF
97.1 1227 27/05 GRC Star FM, 3 stations. OM in Greek, English pop music. ID clearly weak E JF
97.2 1542 22/05 E 40 Principales, talk via _CUARENTA_ good E PL
97.2 1225 27/05 E Topradio, pop via TOPRADIO good E PL
97.2 1353 28/05 E Topradio, via?. Rock n Roll mx. TOPRADIO good E PL
97.2 2255 26/05 F France Musique, Perpignan, classics. _MUSIQUES_ good E PL
97.2 1228 27/05 I R 24, unid site. OM talking 5245 RADIO_24 fr/good E JF
97.2 1746 27/05 I RAI-2, Baldasseria, Friuli-Venezia Giulia 5202 RAI_MF2_ strong E PT
97.2 0641 29/05 I R.Barbaggio, Nuoro 56FA BARBAGIA v.good E PT
97.2 0654 29/05 I R.Barbaggio, Nuoro. Pops 56FA BARBAGIA v.good E PT
97.2 1741 31/05 I RAI MF2, ads, via?. _RAI_MF2_ good E PL
97.2 1926 31/05 I R.Barbaggio, Nuoro. Pop song 56FA BARBAGIA v.good E JF
97.2 2027 28/05 SVK S1 Slovensko-1, Zilina 5201 _S1_ v good E PT
97.2 1825 31/05 SVK SR1, Zilina, light pops. _SRO_S1_ good E PL
97.3 2049 27/05 ? Radio Otvoreni, Bryan Adams song, either Italian or Croatian OTVORENI good E PL
97.3 1605 22/05 E Catalunya Radio, Montserrat, om in Catalan. CATRADIO v good E PL
97.3 1215 28/05 E Catalunya Radio, om in Catalan, via CATRADIO good E PL
97.3 1254 29/05 F Radio Melodie, Oloron, news/ talk/ pop MELODIE_ good E PL
97.3 0740 31/05 F France Inter, Strasbourg, yt talk. fair E PT
97.3 1917 27/05 HRV HR1, Psunj, jazz. HRT_HR_1 good E PL
97.3 1432 22/05 I RAI 3, Punta Badde Urbana, Indian mx. RAI_MF3_ v good E PL
97.3 0809 27/05 I RAI-3, Punte Badde Urbana. YL talking 5203 RAI_MF3_ good E JF
97.3 1006 31/05 I Capital, pop, via?. _CAPITAL_ good E PL
97.4 1840 31/05 CZE Radio F1, Pardubice, pop. RADIO_F1 good E PL
97.4 1452 22/05 E Cadena Cope, Toledo. OM in Spanish _COPE_ good E JF
97.4 1532 22/05 E RNE1, om in talk, via? _COPE_ v good E PL
97.4 1111 27/05 E RNE 1. Valencia. OM with Talks RNE_1-CV good E DS
97.4 1223 28/05 E RNE1, regional, Valencia area, om talk _COPE_ v good E PL
97.4 1346 28/05 E Cope Toledo, talk about religion. _TOLEDO_ v good E PL
97.4 1849 29/05 E R Comercial, Lisbon. Ads 8203 poor E IK
97.4 1622 31/05 E Cadena Cope. Unid site. Om & YL __COPE__ good E DS

97.4 1841 31/05 F France Inter, Avignon, om talk. C_REAL_ fair E JF

97.4 1853 30/05 POL P. R. Koszalin, om in talk _.POLSKIE_ good E PL

97.4 1247 25/05 POR R. Commercial, Lisbon. Pop mx. COMRCIAL v good E PT

97.5 1841 31/05 F France Inter, Avignon, om talk. fair E PL

97.5 1853 30/05 POL P. R. Koszalin, om in talk._POLSKIE_ good E PL

97.5 1522 22/05 E RNE3, Cartagena, Indian mx. RNE_3___ good E PL

97.5 1141 28/05 E Cadena Cien, site? OM talk E2CE CAD-CIEN fair E IK

97.5 1215 28/05 E Catalunya Radio, om in Catalan, via CATRADIO good E PL

97.5 1408 29/05 E RNE2, Clasica, Monreal, Navarra, classics RNE-CLAS good E PL

97.5 1915 29/05 E RNE 3. 2 listed. Light music RNE_3___ qrm E DS

97.5 1608 29/05 FRI? Utvarp Foroya, Suduroy, Faoe Islands (v tentative). Talk in language that sounded a little like Danish. Signal was remarkably steady over 10 minutes, with only slow fades. Theme music from a 1970's BBC TV sports programme heard after news items. Same audio heard at the side of local BBC transmitter on 94.2 (very difficult to hear) - may have been Faroes 94.3 outlet. No other Northern Europeans heard at same time. No RDS - is this carried? good E IK

97.5 1706 27/05 HNG Slager R, site? Verbal ID heard. Local music fair E IK

97.5 1247 27/05 HRV HRT-2, Stipanov Gric. Human League // 98.5 weak E JF

97.5 1340 22/05 I un-id Oggi  adverts, OM talk fair E MH

97.5 0750 27/05 I R Meridiano, Roma, om in talk. MERID-12 good E PL

97.5 0810 27/05 I UNID. Italian music, OM & YL presenters KALARITA fair E JF

97.5 1946 31/05 I Unid. Ideas anyone? YL in Italian 5667 poor E DS

97.5 1833 29/05 MRC RTM. Rabat. Arabic songs in mono. fair E DS

97.6 1403 28/05 E RNE3, Palencia, om talking. RNE_3___ good E PL

97.6 1845 31/05 F France Inter, Several sites, om talk vg on dipole. _INTER__ good E PL

97.6 1926 31/05 F France Culture, Ajaccio. Horn music F202 _CULTURE_ fair E JF

97.6 2028 27/05 I Unid Italian, pop mx, via _SOUND_ good E PL

97.6 1006 31/05 I R Flash, Macy Gray song. via?._R.FLASH_ good E PL

97.6 1940 28/05 POL BLUE FM, Wieliczka 3099 BLUE_FM_ strong E PT

97.6 1203 28/05 POR Antena 1 (drilling sound, but RDS worked fine) 8201 ANTEPA_ good E MH

97.7 1716 27/05 HRV HR-3. Papuk 6343 HRT-HR3_ v.strong E PT

97.7 1940 28/05 POL BLUE FM, Wielczka 3099 BLUE_FM_ strong E PT

97.7 1203 28/05 POR Antena 1 (drilling sound, but RDS worked fine) 8201 ANTEPA_ good E MH

97.8 1622 22/05 E Unid Spanish station, pop, via _NORPEA_ fair E PL

97.8 1614 29/05 E Cad Cope, Sierra Norte, Alanis, pop mx _COPE_ v good E PL

97.7 1152 27/05 GRC R St Lehovo, Florinas music, advs, ID's 1000 _KOSTARIA_ fair E MH

97.7 1716 27/05 HRV HR-3. Papuk 6343 HRT-HR3_ v.strong E PT

97.7 1940 28/05 POL BLUE FM, Wielczka 3099 BLUE_FM_ strong E PT

97.9 1203 28/05 POR Antena 1 (drilling sound, but RDS worked fine) 8201 ANTEPA_ good E MH

97.9 1622 22/05 E Unid Spanish station, pop, via _NORPEA_ fair E PL

97.9 1614 29/05 E Cad Cope, Sierra Norte, Alanis, pop mx _COPE_ v good E PL

97.8 1433 22/05 F Radio Gazelle, Marseille. Arab mx, in AA and FF, Om DJ. GAZELLE_ EX E PL

97.9 1343 22/05 I R Margherita, Oristano (OR), Sardinia slow songs 5043 MARGHRTA good E MH

97.8 2004 27/05 I Latmiele, light pops, via _LAMIELE_ good E PL

97.8 1708 27/05 I? Unid. Pop music (probably RAI-1) 5201 poor E IK

97.8 1346 28/05 E SER, vocal id, Analucia likely. _SER_ good E PL

97.8 1824 29/05 E Cadena SER, Ibiza?. YL talking on phone. Then with ID: "Cadena SER en Andaluca" Don't know if this is a standard ID E239 _SIERRA_ fair E JF

97.9 1915 31/05 F Skyrock, Ajaccio. OM talking to YL on phone F214 SKYROCK_ fair E JF

97.9 1257 27/05 HRV HRT-2, Celevac. Human League // 98.5 weak E JF

97.9 1717 27/05 HRV HR-2, 2 listed 6342 HRT-HR2_ v.strong E PT

97.9 1918 27/05 HRV HRTZ, 2 sites. 8203 HRT-HR_2 good E PL

97.9 1216 27/05 BUL Dark R. Sofia pop AF: 87.9 96.4 98.3 100.4 106.2 8203 DARI_ fair E MH

97.8 1825 29/05 E COPE, Ribadesella. OM talking E062 CAD-COPE fr/good E JF

97.8 2006 28/05 HNG R Danubius, Miskolc, News, Sport, ID, promos B205 DANUBIUS fair E MH

97.8 1757 27/05 I R Dim Suono. 2 listed. Ads DIMSUONO good E DS

97.9 1247 27/05 HRV HRT-2, Sijeme. Human League song 6342 HRT-HR_2 fair E JF
98.6 1541 22/05 E M80 Radio, pop, via M8ORADIO good E PL
98.8 1353 28/05 E RNE2, Navacerrada, African mx. RNE-CLAS good E PL
99.0 1446 22/05 E RNE-3. 3 listed, Galicia likely. song E213 RNE_3___ fair E MH
99.0 1110 27/05 E Cadena Cien. Valencia. OM/YL with Spanish vocals poor E DS
99.0 1202 28/05 E RNE-3 adverts AF: 98.8 96.7 E213 RNE_3___ fair E MH
99.0 1835 29/05 E RNE 3. Punta Umbria. YL & Music RNE_3___ fair E MH
99.2 1332 29/05 E Radio Catalana, classics via CATALANA good E PL
99.2 1852 29/05 E R Surco, Castilla la Mancha F27A fair E MH
99.2 2125 15/05 F Cherie FM, Abbeville. Pop, ID jingles week E DS
99.3 1303 29/05 E RNE2, Radio Casica, classics via RNE-CLAS good E PL
99.3 1107 27/05 E RNE 2, Clasica. Valencia. Instrumental music RNE-CLAS ED S
99.3 1303 29/05 E RNE2, Clasica, classics, via? RNE-CLAS good E PL
99.3 1845 29/05 TUN ERTT English ballads 7202 INTER___ good E MH
99.4 1540 22/05 E Ondacero, talk, ads via ONDACERO good E PL
99.4 1255 28/05 MRC RTM. Meghrez. French service. OM in French. Lots of Moroccan names.
99.4 1835 29/05 I Rari 3, Monte Caccia, Puglia PARISIFAL _MUSICA_ fair E PL
99.4 2021 28/05 SVK Fun Radio, Zilina, Krizava 2311 FUNRADIO v.good E PT
99.4 1604 31/05 I Latmiele, talk about Lebanon, via? LATMIELE good E PL
99.4 1550 22/05 E RNE2, Navacerrada, African mx. RNE-CLAS good E PL
99.4 1107 27/05 E RNE 2, Clasica. Valencia. Instrumental music RNE-CLAS ED S
99.4 1303 29/05 E RNE2, Clasica, classics, via? RNE-CLAS good E PL
99.4 2012 28/05 POL PR-3, Krakow OM/YL 99.7 3233 K W_ fair E MH
99.5 1621 29/05 GIB BFBS2, Gibraltar, football coverage. fair E PL
99.5 1237 29/05 E Cadena Dial Bahia, Cadiz. OM talking to YL on phone E231 __DIAL__ fair E PL
99.5 1604 31/05 I Radio Rolle, pop, via? ROLLE___ good E PL
99.5 1940 31/05 I Rai 3. 3 listed. Classical music RAI-MF3_ fair E DS
99.5 1921 28/05 E Cordoba 2, Sevilla OM/YL with Spanish vocals poor E DS
99.5 1844 27/05 HRV HR2, Psunj, om talk. HRT-HR_2 fair E PL
99.6 1152 28/05 E Cadena 100, Sevilla OM talk E2CE CAD-CIEN fair E MH
99.6 1326 29/05 E Cadena Cien, Teruel, yl in talk CAD-CIEN__TERUEL_ good E PL
99.6 1837 29/05 MRC RTM. Cassablanca. Arabic music in mono fair E DS
99.6 1950 28/05 POL PR-3, Przemysl OM talk 3233 __POLSKIE__ RADIO_ good E MH
99.7 1752 27/05 HRV HRT 2. Pjunj. OM with info HRT-HR_2 good E DS
99.7 1844 27/05 HRV HR2, Psunj, om talk. HRT-HR_2 fair E PL
99.7 1921 27/05 HRV HR2, pop mx. HRT-HR_2 good E PL
99.7 2011 28/05 POL PR-3, Katowice OM song AF: 91.7 90.3 3233 TO CE fair E MH
99.7 1541 22/05 E M80 Radio, pop, via M8ORADIO good E PL
99.7 1752 27/05 HRV HRT 2. Pjunj. OM with info HRT-HR_2 good E DS
99.7 1921 27/05 HRV HR2, pop mx. HRT-HR_2 good E PL
99.7 2011 28/05 POL PR-3, Katowice OM song AF: 91.7 90.3 3233 TO CE fair E MH
99.7 1954 27/05 ROU Romanian TV Sound // 91.75 Hair care ad! E TB
99.8 1916 31/05 F UNID French station. F219 good E JF
99.8 1446 22/05 E RNE-3, Castropoladame. Spanish music E213 RNE_3___ good E JF
99.9 1837 29/05 E Cadena Dial Bahia, Cadiz. OM talking to YL on phone E231 __DIAL__ fair E JF
99.9 0842 28/05 I Rai 3, several sites. YL 5203 RAI_MF3_ good E JF
99.9 1940 28/05 POL R Maryja, Lubaczowa R*MARYJA ET B
99.9 1541 22/05 E M80 Radio, pop, via M8ORADIO good E PL
99.9 1940 28/05 POL R Maryja, Lubaczowa R*MARYJA ET B
100.0 1247 27/05 ALB Top Albania R, Tirana. Difficult to understand which station was playing what as the channel was a mess of stations. Thank goodness for RDS!
100.0 1247 27/05 I Italija R, Lucca. ID heard in pile-up, just before Albania popped up! good E JF
100.1 2028 28/05 SVK Rock FM, Zilina, Krizava 5203 ROCK_FM_ v.good E JK
100.1 2028 28/05 SVK Rock FM, Zilina, Krizava 5203 ROCK_FM_ v.good E PT
100.1 1215 28/05 E Onda Ramble, Lleida, pop. __RAMLBA_ good E PL
100.3 1801 31/05 CZE Impuls, Jihlava, pop. __IMPULS__ good E PL
100.3 1943 31/05 I RA LISA? 5608 v.strong E PT
100.3 1557 27/05 SVK Rock FM Rock music 5203 ROCK_FM_ good E MH
100.3 1921 28/05 SVK Rock FM, Kosice. Rick D's Weekly Top 40 5203 ROCK_FM_ v.strong E PT
100.3 1951 30/05 SVK Rock FM, Kosice, pop mx. ROCK_FM_ good E PL
100.4 1639 29/05 E SER Malaga, vocal id. fair E PL
102.0 1236 28/05 E Radio Espana 102, talk, Valencia area?  R_ESPANA good E PL
102.0 1611 31/05 I Radio Modena 90?, it pop mx,  MODENA90 good E PL
102.0 1548 27/05 POL Polskie R, Rzeszow OM talk, music 3417 good E MH
  RT: 'Polskie Radio Rzeszow ul Zamkowa 3 35-032 Rzeszow'
  POLSKIE_ _RADIO__ Rzeszow_ 102_MHZ__
  WITAMY_! _DZWON_ 6783-681 lub_017_
  862-5555 TEL_017_ 8521-501 ZOSTAN__
102.0 1948 28/05 POL PR Rzeszow OM talk 3417 WITAMYZ good E MH
102.0 1200 28/05 POR 102 FM Radio adverts 80A9
  RT: '102 FM RADIO INTOZINE A EGIAO !'
102.1 1308 27/05 SVN R Viva, Murska Sobota Bogojin. Rap music 6058 fair E JF
102.2 1547 22/05 E Radio Nou, Valencia area, pop RADIO_9_ v good E PL
102.3 1925 27/05 D Bayern 4, 2 big sites, full RT. BAYERN_4 good E PL
102.3 1519 22/05 E Cadena 40 Principales, pop, via?. CUARENTA good E PL
102.3 1850 27/05 I Radio Baccano, pop via BACCANO good E PL
102.4 1754 27/05 ? UnID. Arabic-sounding music - Òsort ofÓ 11FF fair E JF
102.4 1146 28/05 I RTL, several sites. ID at top of hour // 102.4 5218 fair E JF
102.4 0900 30/05 I RTL, at least 19 sites listed!. ID at top of hour // 102.4 5218 fair E JF
102.4 1304 29/05 E Radio La Comarca, Cadena Cope, via? CAD-CIEN
  RADIO_LA COMARCA_ v good E PL
103.0 1231 27/05 BUL R Horizont, Sofia. Bulgarian music HORIZONT fair E JF
103.0 1547 22/05 E Radio Nou, Valencia area RADIO_9_ v good E PL
103.0 1103 27/05 E UNID. Listed as Radio 9, but not on this freq. E401 ???MN?? qrm E DS
103.0 1307 29/05 E RNE3, James Brown, via? RNE_3__ fair E PL
103.0 1900 27/05 I Club 103, pop mx, via? CLUB_103 good E PL
103.0 1929 27/05 I Studio D, pop mx, via?. ADRIANA
103.0 1444 22/05 POR UNID. OM talking in Portuguese B201 RNE_3__
  UNID_ ORIZZONT ACTIVITY PIU__ UNICA__ CHE__
103.1 1146 28/05 E un-id E213 RNE_3__
103.1 1930 29/05 E RNE3, spanish mx, Andaluca RNE_3__
103.1 1853 27/05 I Unid Italian, om in talk C*ISTRIA good E PL
103.2 1547 22/05 E Europa FM, valencia area, pop EUROPAFM good E PL
103.2 1454 26/05 E UNID (SER?) E039 v.strong E PT
103.2 1150 28/05 E SER OM talk E039 __SER__ fair E MH
103.4 1230 27/05 I R Orizzonti Activity (LE) pop, ads E037
  English ID: 'ROA Your Radio'
  *R.O.A.* __RADIO__ ORIZZONT ACTIVITY PIU__ 
  +**PIU** +____ ORIZZONT ACTIVITY PIU**__ UNICA__ CHE__
103.4 2030 28/05 POL Rmf FM talk, pop (Phil Collins) AF: 88.2 3F44 fair E MH
103.4 1854 29/05 POR R Renascenca Financial type news 8232 fair E JF
103.5 1551 22/05 E Radio Nou, pop, via RADIO_9_ v good E PL
103.5 1700 22/05 E RNE1, Jerez, News. RNE_1__
103.5 1147 28/05 E RNE-1, Andaluca YL/OM talk E811 RNE_1-AND good E MH
103.5 1649 29/05 E RNE-1, Jerez de la Frontera. OM & YL talking E211 RNE_1__
  RNE_1__ RNE_1__ good E JF
103.5 1843 29/05 E RNE 1. Jerez. Talks RNE_1__
103.5 1855 29/05 E un-id (Canal Sur?) OM/YL talk E332 RNE_1__
103.5 1902 27/05 HRV? Radio Narodni, voc id, Narodni listed on 103.6, Split __NARODNI good E PL
103.5 0849 30/05 I R Dimensione Suono, Rome Pop music 5E65
  +**TOP** *DIMSUONO *ROMA_ *
103.6 1538 27/05 POL R Plus, Tarnow OM, mx 30FF good E MH
Now let's see what's been happening over in mainland Europe. First up is Herman Wijnants in Tremelo, Belgium.

100.3  1445  28/05  I  R Deejay Radio  Trento  PI: 5214  232
100.4  1039  30/05  HNG  Slager Radio  Szentes  PI: B206 PS: SLAGER_  444
101.5  1207  29/05  E  RadiolŽ Sevilla  Sevilla  PI: E238 PS: RADIOLE_  444
101.9  1448  28/05  I  R Gamma Uno  Catania  PI: 53FA  332
101.9  1299  29/05  E  RNE 1  San Cristóbal  PI: E211 PS: RNE_1___  444
102.4  1449  28/05  I  R Dimensione Suono  Catania  PI: 5264  344
103.5  1450  28/05  I  R Maria  Polenza  PI: 51CC  444
104.8  1903  29/05  E  Onda Cero  Badajoz  PI: E2E3  333
105.1  1901  29/05  E  Canal Sur Radio  Sevilla  PI: E332  433
106.3  1211  29/05  E  RNE 5  San Cristóbal  PI: E215 PS: RNE_5___  343
106.7  1504  28/05  I  R Kolbe Sicilia  Palermo  PI: 5FO0 PS: ???ITAL?? --
106.7  1504  28/05  I  R Maria  Beluono/Bolzano  PI: E211 PS: RNE_1___  322
106.7  1444  26/05  LUX  Den Neie Radio  ?  PI: 72A9  333
87.6  1107  29/05  E  C 4O Orense  Orense  PI: E235 PS: CUARENTE  344
87.6  1430  29/05  I  RAI 1  Monte Cavo  PI: 5201  444
87.6  1657  31/05  MRC  RTM Arabic  Rabat  mono  233
87.6  2017  28/05  POL  Polskie Radio Krakow  Rabka  AF: 101,5/100,0  PI: 3703 PS: Prab:1____  343
87.6  1333  29/05  POR  R Seixal  Seixal  PI: 8042 PS: SEIXALFM  344
87.6  1906  28/05  S  SR P1  Hudiksvall?  PI: E201 PS: SR_P1_  344
87.7  0506  29/05  ?  UNID  ?  PI: E251 PS: RAC_1___  444
87.7  1327  23/05  NOR  NRK P1  Sigerfjord  PI: F401  333
87.7  1926  28/05  SVK  Funradio  Kosice  PI: 2311 PS: FURADIO  444
87.75  0502  29/05  I  R Fragola  Pisa  PI: 54B9  333
87.8  0701  30/05  ?  UNID  ?  PI: 3042 PS: CP90_---  343
87.8  1632  29/05  E  RNE 3  Baza  PI: E213 PS: RNE_3___  343
87.8  0508  29/05  I  UNID  ?  PI: 523A PS: ta_eov____  333
87.8  1106  29/05  POR  R Montemuro  Cinfaes  PI: 7202 PS: RTCI____  344
87.8  1617  25/05  TUN  RTCI  ?  PI: 7202 PS: RTCI____  344
87.9  0447  29/05  F  F Culture  Auzon?  PI: F202  333
87.9  2018  28/05  POL  Polskie Radio Krakow  ?  PI: 3703 PS: Prab:1____  233
87.9  1052  29/05  POR  RdP 1  Lousa  PI: 8042 PS: SEIXALFM  344
87.9  1612  28/05  TUN  ERTT Arabic  Zarzis  PI: 7202 PS: INTER___  333
87.7  1852  28/05  FNL  YLE 1  Posio  PI: 6201 PS: YLENYSKI  344
87.7  1519  28/05  I  R Maria  Ragusa  PI: 6201 PS: YLENYSKI  433
87.7  1229  29/05  POR  RdP 1  Mendro  PI: 8201 PS: ANTENA_1  344
87.8  0948  30/05  I  Kiss Kiss Fm  Catanzaro  PI: 5225  333
87.8  1452  28/05  I  R Kiss Kiss FM  Cosenza  PI: 5225  343
87.9  1453  28/05  I  R Maria  Como?  PI: 5225  333
86.1  1658  31/05  E  Canal Sur Radio  Cádiz  PI: E331  333
86.1  1244  29/05  POR  R Com  Monchique  PI: 8203  333
86.8  1640  31/05  E  C 100 Jaén  Jaén  PI: E2CE PS: _JEAN__  344
88.9  0458  29/05  I  RAI 1  Monte Limbara  PI: 5201  343
88.2  1517  28/05  I  R Deejay  Avellino/Krotone  PI: 8F01 PS: ANTENA_1  322
88.9  1824  29/05  POR  RdP 1  Monchique  PI: 7202 PS: RTCI____  344
89.1  1056  29/05  POR  Maiorca FM  ?  PI: ID  344
89.1 0559 29/05 TUN ERTT Gorraa
PI: 7201 PS: NATIONAL 333

89.2 1156 29/05 E Europa FM Sevilla
PI: E2EE PS: ONDACERO 344

89.2 0734 29/05 E OCR Alicant
PI: E2EE PS: ONDACERO 344

89.2 1631 31/05 E Radiolco Costa de la Luz Cartaya
PI: E226 333

89.3 1851 29/05 E SER 2x
PI: E239 433

89.3 0416 29/05 I R Flash?
PI: 5389 PS: R.FLASH__ 444

89.3 1156 29/05 E Europa FM Sevilla
PI: E266 PS: ONDAPER_ 344

89.4 0734 29/05 E OCR Alicante
PI: E2EE PS: ONDACERO 344

89.4 1631 31/05 E RNE 1 2x
PI: E211 PS: RNE_1__ 344

89.5 0415 29/05 I R Maria Pistoia
PI: 51CC 433

89.5 1049 29/05 POR RdP 2 Lousa
PI: 8202 PS: ANTENA_2 343

89.6 1645 31/05 E C 100 Málaga
PI: E2CE 333

89.6 1155 29/05 E C 40 Cádiz
PI: E235 322

89.6 1603 29/05 E CIEN Málaga
PI: E226 343

89.7 1154 29/05 I R Dimensione Suono Sienna
PI: 5264 PS: DIMSUONO 444

89.7 1632 31/05 E C 100 Murcia
PI: E2CA PS: __COPE__ 344

89.8 1631 31/05 E C 100 Málaga
PI: E2CE 333

89.8 1155 29/05 I R Deejay Torino?
PI: 5214 333

89.9 1850 29/05 E Cope Málaga
PI: E2CA PS: __COPE__ 333

89.9 1502 28/05 POR R Clásica La Calzada
PI: E312 PS: RNE-CLAS_ 444

90.0 1609 29/05 E RNE 5 Valencia
PI: E515 343

90.0 1609 29/05 I RAI 1 3x
PI: 5201 PS: RAI_MF1__ 333

90.1 1330 29/05 POR Alvor FM, Algarve
PI: 5201 PS: DEEJAY__ 433

90.1 1922 29/05 I R Dimensione Suono Sienna
PI: 5264 PS: DIMSUONO 444

90.1 1216 29/05 E Europa FM Vecindario
PI: E239 444

90.1 1843 29/05 E Cope Málaga
PI: E2CA PS: __COPE__ 333

90.1 0503 29/05 TUN ERTT Remada
PI: 7201 PS: NATIONAL 343

90.2 1843 29/05 TUN ERTT Remada
PI: 7201 PS: NATIONAL 343

90.2 1517 28/05 I R Deejay Torino?
PI: 5214 433

90.3 1648 31/05 E C 100 Málaga
PI: E2CE 333

90.3 0415 29/05 I R Libera Bisignano
PI: 5214 333

90.3 1912 29/05 E Onda Cero Jerez de la Frontera
PI: E2AA 333

90.4 1037 30/05 TUR UNID
PI: 3064 PS: OSCAR_FM 433

90.4 1547 24/05 CZE Radio Frekvence 1 Ho_tákovic
PI: 2205 PS: Ho_tákovic 433

90.5 1843 29/05 TUN ERTT Remada
PI: 7201 PS: NATIONAL 343

90.5 1334 29/05 POR R Clásica La Calzada
PI: E312 PS: RNE-CLAS_ 444

90.5 1517 28/05 I R Deejay Torino?
PI: 5214 433

90.6 1635 29/05 MRC RTM
PI: 5201 PS: DEEJAY__ 333

90.6 1922 29/05 I R Dimensione Suono Sienna
PI: 5264 PS: DIMSUONO 444

90.7 1032 30/05 TUR UNID
PI: 3064 PS: OSCAR_FM 433

90.7 1901 28/05 FNL YLE 1 Kruunupyy
PI: 6201 PS: YLENYSKI 343

90.7 1434 29/05 E C 100 Huelva
PI: E006 PS: MOJACAR_ 344

90.8 1434 29/05 E C 100 Huelva
PI: E006 PS: MOJACAR_ 344

90.9 1434 29/05 E C 100 Huelva
PI: E006 PS: MOJACAR_ 344
Jorge Garzon also experienced the excellent E skip at the end of May while travelling in Austria.

While travelling in Austria, I had the opportunity to rent a car with a RDS tuner, so I tried to listen to the band as often as I could. That was not possible every time I wanted to, but it gave me the chance to scan the band and hear new stations, and the most important for me: being able to catch the Es opening on the 27th, 28th and 31st of May.

The opening on 27th May was one of the best I've ever heard. It's so different to experience a good opening in Central Europe, that you can't cope with the entire band and stations come from the north, south, east or west. So many differences with a good Es skip in Southern Spain, where we have hundreds of miles of water to the west; and south from Morocco, Algeria and Tunisia those wide sandy open areas with no FM signals at all.

Well, I will give you the stations caught on that long weekend. The entire band was open from 17:30 to 20:30 CET every afternoon / evening, with stations coming from many countries, from Tunisia to Norway, or Greece to Scotland. Very exciting indeed!!!

by Jorge Garzon (member number 049). Location: Kaprum - Austria.

Rx: Blaupunkt 5000RDS - EON. Antenna: Black rubbered whip.
92.7 19:36 TUN ERTT - CHAINE INTER. ??? RTCI____INTER : None Program /0918 MHz.
94.0 19:28 G RADIO SCOTLAND. ??? ID and review on the "Scot Grand National".
94.2 19:31 NOR NORSK RISKRINGK. - P1. Bjerkreim NRK_P1__ : None Sport match at live.
95.0 20:05 ? UNID. ??? RD-JEUNE : None Ads on films at "El Jammamed", in Arabic.
99.5 19:56 TUN ERTT - CHAINE INTER. Ghraba/Sfax RTCI____INTER : None Pop-Dance music & comments in French.
100.5 19:15 G CLASSIC FM. ??? CLASSIC_ : None Details of "Soccer African Cup".
100.7 19:16 G CLASSIC FM. ??? CLASSIC_ : None "Across the real Grandy", Jingle and ID.
101.7 19:16 G CLASSIC FM. ??? CLASSIC_ : None "Star Wars" musical pieces, and Jingle ID.
104.9 19:11 G UNID. ??? English locutor talking. No ID or clues at all.
107.2 19:08 GRC UNID. ??? Modern Greek songs & Comments in Greek
107.4 19:06 ? UNID. ??? Modern Greek songs & Comments in Greek
107.7 19:45 ? UNID. ??? Music by "Danza Invisible".

Remarks: Every channel had a station and sometimes fought hard to be heard. At certain times, the entire band showed like
blocked by a noisy mixing of stations and blocking even locals (well, the tuner I was offered was not very selective, I reckon!).

28th may 2000

MHz CET ITU STATION. Location PS : Pty Remarks
87.6 17:01 TUN ERTT _ CHAINE INTER. ??? RTCI____INTER : None Results of African Soccer, in French.
88.4 12:04 GRC UNID. ??? Ads: "Kimko Center". Greek songs.
88.6 17:09 TUN ERTT - NATIONAL. Bou Kornine / Tunis NATIONAL : None Dire Straits music & man in Arabic.
88.6 17:08 TUN ERTT - JEUNESSE. Ain-Senan. RD-JEUNE : None Arabic music.
88.7 12:06 GRC UNID. ??? Modern Greek songs & Comments in Greek
88.8 12:06 GRC UNID. ??? Greek modern music "Pelismamikis...".
91.8 12:32 GRC UNID. ???_91-1_ : Easy Music Dance Music & Ads: "Flashback, plasquis"
92.0 17:01 TUN ERTT - CHAINE INTER. Zaghouan RTCI____INTER : None Starting of the French Program, at 18:00h.
92.1 17:01 G CLASSIC FM. ??? 34_95___ : Easy Music Prodigy music and comments in Greek.
92.6 17:10 TUN ERTT - NATIONAL. Bou Kornine / Tunis NATIONAL : None Announcer in Arabic talking about music.
92.8 17:10 TUN ERTT - CHAINE INTER. Ghraba / Sfax RTCI____INTER : None French. Details of "Soccer African Cup".
93.5 17:10 TUN ERTT - CHAINE INTER. Ghraba / Sfax RTCI____INTER : None Easy Music Dance Music & Ads: "Flashback, plastiquis"
93.5 17:10 TUN ERTT - CHAINE INTER. Ghraba / Sfax RTCI____INTER : None Announcer in Arabic talking about music.

Remarks: Morning: Greek stations in the lower part of the band, mixed with Tropo signals from Slovenia. Afternoon: Very stable
signals from Tunisia.

31st may 2000

MHz CET ITU STATION. Location PS : Pty Remarks
87.6 18:02 POR SEIXAL FM. Seixal SEIXALFM : None Portuguese ads of Caparica coast.
87.6 18:38 Ele CADENA 100. Astorga CAD-CIEN_ASTORGA : Pop M. Reading e-mails in Spanish.
87.6 19:20 TUN ERTT _ CHAINE INTER. ??? RTCI____INTER : None Arabic conversation.
88.0 19:01 Ebi RADIO NERVION. Bilbao RNERVION : None Ads in Spanish: "Saitel en Deusto".
88.1 19:02 POR UNID. ???移交_91-1_ : Jingle "A radio que diniamo..."
88.3 17:35 Eca FORMULA 1. Sierra de la Luna ID: "Fórmula Uno".
88.5 18:14 Eva CADENA 100. Valladolid ID: "Cien por cien Valladolid, 88.5".
88.5 18:57 POR RADIO CLUB DE ARGANIL. Arganil ID: "Sintonizar Radio Club de Ar??".
88.7 17:15 E CADENA 100. ??? Cadena_100 : None Jingle "Cadena 100", conservas Escalada.
88.8 19:21 Ecc CADENA 100. Cáceres CAD-CIEN_CACERES : Pop M. Music by "Danza Invisible".
88.9 18:41 Eli COPE LUGO. Lugo ID: "Cien por cien Valladolid, 88.5".
89.5 18:48 POR RADIO ANTENA LIVRE. Abrantes RAL*ABT_ : Leisure News on "Câmara Municipal Setubalense".
90.5 17:40 Eal ANDALUCIA INFORMACION. Pechina ANDALUCIA : None Andalucian News. ID: "Andalucia Info".
90.7 17:46 Eal ANDALUCIA INFORMACION. Pechina CAMPUS : None Drum’n’Bass music.
91.7 18:46 Ebi RADIO EUSKADI. Bilbao EUSKADI2 : None Musical Program.
92.0 18:46 Ebi RADIO EUSKADI. Bilbao EUSKADI2 : Info French program w/funky music. Tim:19:02.
92.1 18:48 POR MAIORCA FM. Figueura da Foz. ID: "Majorca FM". Brief signal. Only 400w !.
92.5 18:48 G UNID. ???移交_91-1_ : Conv’tion about "Paranoia". British accent.
94.4 18:50 G UNID. ???移交_91-1_ : Talk on the National Party.
94.9 18:51 Eza CADENA 100. Zamora CAD-CIEN_ZAMORA : Pop M. Listener’s phone ins, asking for mx

Remarks: Very stable signals, but short from South Spain & Portugal to the North, to finish with stations from North Portugal,
Galicia, Pais Vasco and some coming from Great Britain (I suppose!).
Any help on UNIDS and Location most welcome.
// Thanks very much for this Jorge!

WHO LOGGED WHAT:
DS = David Small Cannock
IK = Ian Kelly Tilehurst, Reading
        Delco Electronics CDR 500 & whip (mobile), Sony STS515 tuner & half-wave dipole on roof
It’s not every month you see a logbook like this! I’m wondering if this will ever be repeated? But would you believe it… as I put the finishing touches to this section there is a superb FM opening to eastern Europe. The Skywaves DX Early Warning System has been a success once again. I think we can expect another first class logbook next month, but any repetition will be removed if there is another plethora of loggings. Please send your contributions to reach me by July 1st, or earlier if possible and stick to the format we use. Thank you for your overwhelming support, I’ll look forward to hearing from you ready for the July issue! TOP DX - John.

FM Newsdesk
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Tilehurst
Reading
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Standard Deadline – 1st of every month

NETHERLANDS
BBC Radio 5 Live go live in Holland
I’m interested to hear that BBC Radio Five Live have got themselves an FM frequency (99.4 MHz) in Holland during the Euro 2000 footy. According to the promos/live reads, they’re doing a general relay but with some local travel and weather info. I assume this is the Dutch equivalent of an RSL but, apart from Radio France International doing a similar London FM relay several years ago, I can’t think of any other foreign broadcasters doing such a similar service in this country. (Paul Easton in UK-Radio mail-list)

UK
Radio Authority announce new areas to get radio stations
The Radio Authority on 1 June announced the addition of a number of areas to its ‘working list’ of planned new Independent Local Radio licences, for advertisement during the forthcoming phase of ILR development. The new licences will be for: Helensburgh (Argyll & Bute); Livingston (West Lothian); Maidstone; Pembrokeshire; Reading.

Other areas already included on the Authority’s ‘working list’, but for which firm dates for licence advertisement have yet to be set, are (in alphabetical order): Barnsley; Buxton; Chester or South Flintshire; East Midlands (regional); North Norfolk; Omagh & Enniskillen; Rugby; Worthing; Yeovil.

Other licences definitely scheduled for advertisement during the next few months are those for Kendal/Windermere (in June), Warminster (in August), and a new regional licence for West/South Yorkshire (in September). A planned timetable of advertisements for the next phase of licences, from October onwards, will be issued later in the summer.

Mid-Ulster: The Authority has also decided that it would in principle wish to advertise a licence on the FM waveband for the Mid-Ulster (Cookstown & Magherafelt) area, where an ILR service on the AM waveband was previously provided. It believes that one or more FM frequencies can be found for use by such a licence. However, doubts exist about the availability of any suitable transmission site(s) capable of providing adequate coverage of this sparsely populated area of Northern Ireland. The Authority is accordingly inviting prospective applicants for a Mid-Ulster licence, or any other interested parties, to explore the availability of possible transmission sites, and put forward proposals for specific sites for consideration by the Authority’s engineers. In the event that one or more viable transmission sites can be identified, the Authority would intend to give priority to the early advertisement of a new FM licence for this area.

North London: The Authority has previously suggested tentatively that it might prove possible to offer a further small-scale licence offering relatively limited coverage within a part of North London. After further examination, the Authority now considers that the frequency in question would not be suitable for use by a permanent local service, with any prospect of achieving commercially viable coverage.

VHF replanning
The Radiocommunications have published details of a study into the possibility of the further expansion of FM broadcasting in the UK, on their website. Here is the executive summary of the study. A copy of the full report can be viewed at their website: http://wwwradio.gov.uk/document/misc/vhfreplan/index.htm

This brief study reviewed the potential for further sound broadcasting services to be accommodated in the VHF/FM band (Band II). Its intention was to determine the likelihood of frequencies being available for the introduction of further services within the UK, using London and Leeds as case studies. It is essential to note that the study did not undertake the full frequency planning exercise that will be required to confirm the availability or otherwise of potential new frequencies; it was however the necessary precursor to such work.
The study considered the provision of three categories of service for London and Leeds within the present usage of Band I spectrum:

- London-wide and Leeds-wide services
- services with a radius of 7 10 km
- services with a radius of 3 5 km

The report concluded that there is scope to introduce a number of services with a radius up to 5 km with little or no impact on existing services. However, it is unlikely that new larger-scale services could be introduced under current planning criteria in the areas examined, without impacting to a greater or lesser extent on existing services, notably by way of the need for frequency changes and/or the loss of coverage. This study sought to determine the approximate magnitude of the penalty to be paid for the introduction of new services in each area.

LONDON

The study suggests that a single London-wide service might be planned at a cost of either reducing the population coverage of two existing stations in the Home Counties by 25% or by reducing the coverage of a BBC National service by 100,000 listeners.

As another extreme, the study assumed the need to plan for an arbitrary number of nine new London-wide service frequencies. The implications of this would be a cost of loss of services to over 4 million listeners in stations in and around London (including the closure of some services altogether) and the need for frequency changes by around 28 existing services.

To illustrate the possibilities of planning for smaller scale services, the study considered a number of arbitrarily-chosen new local low powered stations within London and concluded that a number of such stations with a service radius of 3-5 km, could be introduced with little or no impact on existing stations.

LEEDS

It appears possible to accommodate a new Leeds-wide service from two transmitters with a coverage of around 1.5 million listeners by moving the frequencies of three existing stations.

In addition, other moves of existing stations in the close vicinity could deliver a further two stations covering Bradford and one service covering Leeds. However, this leaves a trail of knock-on effects to stations in the wider areas to all but offset the benefits.

In addition it is possible to introduce smaller scale (3-5 km) stations in towns in the area, particularly those shielded in valleys, without any significant impact on existing services, most easily using frequencies in the Classic FM and BBC National bands. To validate this, the study examined the feasibility of introducing stations in Leeds and Bradford. A station in Leeds, for example, could be planned to give coverage to an audience of around 110,000 listeners.

The study also endorsed the efficiency with which the spectrum is currently planned by the Radio Authority and the BBC bearing in mind their differing requirements and the obligations they face under the Broadcasting Acts and the BBC Charter.

The study also examined some other areas to consider in order to increase the productivity of the spectrum, including relaxing current planning criteria and standards and making different assumptions about receiver performance etc. The study concluded that:

- There is scope possibly to accommodate additional stations if a more relaxed approach was taken to planning standards. Such a relaxation might have little perceived impact on reception quality for those listening in less critical environments (cars, kitchens etc).
- There does not appear to be significant scope for additional services by relaxing the so-called 10.7 MHz constraint.
- Testing of receivers had not taken place for 15 years and their average performance, particularly on channel selectivity, may have improved. If so, there would be a planning gain that may help to accommodate more stations in the band.

Argyll FM now testing

On Wednesday 7th June, at 1800 UTC, Stephen Howie in Saltcoats heard test transmissions from Argyll FM broadcasting from Campbeltown on the Kintyre Peninsula. Announcements were for "106.5 to 107.5" - He heard it best on 107.4 although it was also audible on 106.8 (if I remember correctly). Tests consisted of a short 20 minute loop of classic rock tracks. Their station’s telephone number is 01586 551800 and they told me that either the official testing date or starting date is on 19th June. The address is 27-29 Long Row, Campbeltown, PA28 6ER. (Stephen Howie via BDXC-UK e-list)

New West Berkshire station Kicks off its broadcasts

Newbury-based Kick FM has started broadcasting. It launched on 29 May, with two transmitters. The main one is for Newbury, on 105.6, with 100 Watts, and a lower powered relay for Hungerford on 107.4. As far as I could tell, the tests from each transmitter started on 16 May and 17 May respectively. They have a website, which doesn’t acknowledge that it is actually on air at the time of writing, at www.kickfm.co.uk. The postal address is Consort House, 42 Bone Lane, Newbury RG14 5SD. Telephone 01635 841600. We also have the RDS data: PS name: KICK_FM_; PI code: C699. TP is enabled.

Burnley and Pendle’s 2BR launches as well

The new ILR service for Burnley and Pendle ‘2BR’ - Two Boroughs Radio is now carrying out its first engineering test transmission on 99.8 MHz in stereo. Site: Pendle Forest, Lancashire, NGR: SD 825 384, Site height: 279m ASL, Aerial height: 40m AGL (‘2BR’ uses its own custom design aerial system located at a height of 40m on the tower rather than using the existing BBC band II aerial system which is located at a height of 35m AGL - this puts the ‘2BR’ aerial immediately beneath the UHF TV aerial stack at the top of the tower. As I interpret the RA documentation, the horizontal component of the signal would seem to be omni-directional whilst the vertical component appears to be beamed S.S.E [.i.e. towards Burnley centre]). ‘IN-USE’ ERP: Vertical: 500W; Horizontal: 250W. "MAXIMUM" ERP: Vertical: 500W; Horizontal: 500W. Radio Data System: PS Name: 2BR; PI code: C894; TP flag: Yes; CT data: No; AF flag: none. Radio Text: ‘MUSIC, NEWS AND INFORMATION FOR BURNLEY AND PENDLE’. Launch date: TBA (expected “late July”). Telephone: 01282 452451. Web: www.2br.co.uk. e-mail: info@2br.co.uk. Address: PO Box 1000, NELSON, Lancs. BB9 0GJ. (Information supplied [in part] from the Radio Authority 'TX parameters' file dated April 11th 2000, the UK-radiofiles web site and OS map sheet 103, via Ray Woodward/BDXC-UK e-list).
Hertbeat Channels announced
Planned Hertford station Hertbeat intend to use 106.9 as their main frequency to cover Hertford and Ware, with a relay being used on 106.7 to cater for listeners in Stevenage. The transmitters will use 250W and 100W respectively. They plan to launch in late Autumn, but it could be next spring, if there is a delay in receiving planning permission for their studios. The station’s website is at http://www.hertbeat.com.

Shakeup of station ownership rules on the cards
Broadcast magazine has said that there are plans to relax the rules which restrict radio groups from owning more than three radio stations in any local market. It is thought that the limit would be four stations in a ten station market, with no restrictions on mergers between radio groups, unless they breach normal competition law. Industry observers have said it may mean that the UK commercial radio sector could end up in the hands of just three large radio groups.

Kingdom FM to expand coverage
According to the Radica website, that transmitter company will be providing three relay transmitters for the Fife based station. St Andrews will have a 100W transmitter, using a grain silo as a mast and East Neuk will play host to a 200W unit at a disused nuclear bunker. These two should be on air in June, a third relay is still in the planning stage. (Ray Woodward via BDXC-UK e-list)

Licence News
BRIDGWATER: BCRfm have been awarded the new franchise in this part of Somerset. (Radio Authority)
DUMBARTON: One application has been received for this licence, from Castle Rock FM Dumbarton Ltd. They have been through the dictionary and thesaurus, and come up with the word “vibrant” to describe their planned service, to include local news, and music from the 60’s to the present day. (Radio Authority)
GRIMSBY/CLEETHORPES: A new licence has been advertised; applicants have until 5 September to apply. (Radio Authority)
WEST MIDLANDS: A second regional licence is being advertised, with a potential audience of 2.3m people - the same coverage area as Heart FM. (Radio Authority)

Digital (DAB)
BIRMINGHAM: Our man with a DAB tuner PAUL WALTON (is he still our only member to be set up for DAB reception?) reports: - I am happy to say at last the Birmingham CE Digital multiplex from Turners Hill came on air 31st May, It's carrying the following streams at the moment (as at 3 June, BBC Radio WM was not present)-

- BRMB
- Capital Gold
- Kiss
- Magic
- XFM
- Radio XL (Asian)

LONDON: According to one of the internet mailing lists, the London local DAB multiplex is now radiating the following services:

- Capital FM
- Capital Gold
- Kiss
- Magic
- LBC
- London News
- Sunrise
- XFM

MANCHESTER: The Manchester area digital local radio multiplex has now commenced trade test transmissions on frequency block 11C (220.352 MHz, according to Ray Woodward on the BDXC-UK mailing list. The services being radiated are as follows (BBC GMR was absent as at 31 May):-

- Key
- Magic
- Big
- Xfm
- Kiss
- Lounge - [The Wireless Group]
' The LOUNGE' carries "The Lounge - mellow in Manchester, Easy listening ...”

TEESIDE: Not surprisingly, the multiplex franchise was won by EMAP Digital, the only applicant. Services to be carried are: Classic Gold, an adult contemporary channel, a "Hot AC" channel (sounds rude!), Kiss, magic 1170, TFM, Xfm and BBC Radio Cleveland. (Radio Authority)

DIGITAL RADIO WEBSITE: A website with details of the national Digital One network, and the local multiplexes, including technical information, and details about planned interruptions, can be found at http://www.ukdigitalradio.com/.

NEW TRANSMITTERS: Digital One are to add 20 transmitters to their existing tally before June 2001, to expand coverage from 68.9 to 80% of the mainland population. The first areas to benefit will be Dover and SE Kent, Southampton, Portsmouth and Hampshire. Later, East and West Sussex, East Lancashire, West Yorkshire, West Yorkshire, Wiltshire, Bristol and Bath will join in the party and some motorways will receive improved coverage (the changes mean that the audience for the Digital One services will increase by as much as 22 listeners - I made that bit up actually - but how far is it from the truth -ed).

PRIME TIME RADIO IS A NEW SERVICE ON Digital One, launched on 15 May. It is operated by Saga Group, and is aimed at over 50’s, with music from the last 60 years, and speech concentrating on lifestyle issues. (Ray Woodward via BDXC-UK).
**Bits**

BBC LOCAL RADIO: Ian Hislop’s “Private Eye” magazine recently contained a piece saying that Andy Griffie, the boss of BBC LR, had said on a visit to Radio Suffolk that he liked their skull and crossbones logo, and wouldn’t it be a good idea if other local stations had their own unique logos, reflecting their local character. This is three years after the BBC imposed a single corporate look for all its local services!

BBC RADIO 1 DOCUMENTARY ON PIRATE RADIO: A half hour programme about the UK pirate radio scene, recently broadcast on Steve Lamacq’s show, can be heard in Real Audio on demand via the Radio 1 website. The programme mainly focuses on the house and garage pirate scene in London, and the programme is presented by one of the station’s Dreem Teem, who started out life on London pirate, London Underground. Be prepared for mushy audio quality on this feed. The address is http://www.bbc.co.uk/radio1/media/live/lamacqlive_20000522.ram.

**LISTENING POST** Skywaves mailbag section. Send your replies, comments, views, to Ian Kelly, 27 Barton Road, Tilehurst, Reading, Berkshire, RG31 5NJ.

Most of us have been busy with the early and frenetic start to the Sporadic E season this year, so just time for a quick note this time, from DAVE SMALL. He has lost contact with PETER WILSON, our member who was last in South Africa, as far as we know. Unfortunately, Dave’s e-mails to the address he has do not seem to be getting through, though they are not bouncing back. Perhaps if anyone has Peter’s current e-mail address, they can pass it to Dave, or if Peter is seeing this (he is still a member), maybe he can get in touch with Dave.

Best 73’s - and best DX - but just a little less of it please, as some of us would like to get some sleep! – lan

**D.A.B / DIGITAL NEWS:**

ANALOGUE SWITCH-OFF TO BE BROUGHT FORWARD: Thanks to the large cash windfall received due to the recent mobile phone auction, the government are looking at ways in which they can speed up the change from analogue to digital television. Naturally they are keen to accumulate even more money! The closure of terrestrial TV was due to take place somewhere between 2007 and 2010 but they are keen to speed up the procedure and are now looking at 2005 as the big switch-off.

EURO-DIGITAL: Finnish TV station YLE are about to carry a digital TV service to run side by side with the existing analogue service. There will be two services initially, a 24 hour news, education and cultural channel, plus a Swedish language service. They expect at least four services to be on the air by mid-September 2000. Holland are also preparing to further their digital interests with the Dutch company Nozema buying 36 UHF transmitters for the start of digital terrestrial television. They hope for six transmitters to be equipped by winter 2000. These will be at Almere, Wormer Hilversum, Haarlem, and two in the Amsterdam area.

RADIO AMATEUR 50 MHz BAND: Now that Irish TV has ceased on band one TV, the Irish amateur radio allocation has been extended to cover 50.0 to 52.0 MHz. Other countries who have authorised 50 MHz for amateur use are: Bhutan from May 1st, and Taiwan with transmitter powers up to 600 watts permitted.

RSL TV

UK DXers might wish to check out channel E54 during a tropo lift to see if they can receive the RSL TV station TV12. They now transmit Sky News at 12:00, 17:00 and 22:00 hours, also the Sky News Sunrise programme goes out between 07:00 and 08:00. This is the first time Sky has been re-transmitted on terrestrial TV in the UK. TV12 also re-transmit QVC and Bloomberg at various times throughout the day and night.

Greetings! I am finally managing to find time to compile this now that there is a break in the sporadic E. Too bad such conditions don’t affect the satellite bands! A reminder now that signals are in CLEAR MPEG unless stated otherwise. If no SR or FEC is given then the “normal” SR 27500, FEC 3/4 is used.

Turksat 1C at 42 Degrees east:
BRT(SNG) has a feed on 11.500 GHz (v) in MPEG2 clear in Turkish. (SR 3000 , FEC 7/8).

ASTRA 2 at 28 Degrees east:
An NTL Newman testcard can be seen on 11.954 GHz (h). Many new data channels have been added to Sky’s Interactive service. Too numerous to list and inaccessible to viewers outside the UK. (ed)

ARABSAT 2A & 3A at 26 Degrees east:
On 11.747 GHz (h), you will find Arab News Network (ANN), and from 1930-0000 Al Manar can be seen. Moricoe is now present on 12.034 GHz (h).

In PAL you can see JSC (Al Jazeera Satellite Ch.) on 11.823 GHz (v). ANN (Arab News Network) on 11.977 GHz (v). LBC Sat on 12.015 GHz (v) and a test card is now present on 11.900 GHz (v).
ASTRA 1 at 19 Degrees east:

Prosieben Germany is now on 12.480 GHz (v). TV5 Europe is testing on 12.610 GHz (v) in MPEG2 clear. (SR 22000 , FEC 5/6) and NBC EUROPE is now available on 10.729 GHz (v) in PAL clear. Canal Canarias is now present on 12.441 GHz (v) in MPEG2 clear with audio in English; Spanish; German and French. Sat 1 Germany is on 12.480 GHz (v). Wishline is now on 12.344 GHz (h) in English.

EUTELSAT:

Eutelsat II F1 at 48 Degrees east:

Count Down and Magic TV are on 11.092 GHz (h) in Italian. (SR 29900 , FEC 3/4).

Sicil Sat is on 11.106 GHz (h) clear in Italian. (SR 1627 , FEC 1/2).

W2 at 16 Degrees east:

Rinia is now present on 11.163 GHz (h) in PAL clear in Albanian.

Alternativa Televizija (Banja Luka) is now present on 11.023 GHz (h) in MPEG2 clear (SR 3123 , FEC 3/4).

HOT BIRD at 13 Degrees east:

BET International is now on 12.597 GHz (v). Deepam is now testing on 10.723 GHz (h), (SR 27500 , FEC 5/6). NRW1 has left this frequency.

The IRIB digital-platform has started on 12.437 GHz h. Active are Jam-e-Jam TV Network 1 & 2, Sahar University Network, and two blank sound carriers called Radio 1 & Radio 2.

On 12.111GHz (v) Colour bars have replaced Olisat, and a Fucino Test Card can also be seen.

Pop TV is now available on 12.380 GHz (v) MPEG2 clear in Macedonian.

Vision of Resistance has moved from HB5, 11.623 GHz v to HB4, 10.930 GHz h, 15:00 - 17:00 UTC, time-sharing with KurdSat and Q24. It can also be seen on 12.597v, SR 27500, FEC 3/4 in MPEG clear. (Stefan Hagedorn)

2F4 at 10 Degrees east:

Various MPEG feeds can be seen, as follows:-

<table>
<thead>
<tr>
<th>GHz</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

POP TV is now present on 11.019 GHz (h) in MPEG2 clear in Turkish. (SR 3055 , FEC 7/8).

In PAL, HAKK TV is on 11.163 GHz (h) clear in Turkish. It broadcasts during 20:00-22:00 CET on Sundays, and TV Melos is on 11.163 GHz (h) in Serbian. On Sunday, this channel broadcasts only during 15:00 - 15:30 CET.

W3, at 7 Degrees east:

Nine new DATA channels, IP Service 1-9, are now present on 11.460 GHz (h) in MPEG2 clear as below.

Eutelsat Promo and TV 5 Europe can be seen on 11.517 GHz (h), SR 20000, FEC 2/3.

A new DATA channel DATA Users is now present on 12.601 GHz (h) in MPEG2 clear. (SR 2221 , FEC 1/2).

SIRIUS at 5 Degrees east:

TV Globo is now on 12.380 GHz (h) in Portuguese, and IT@vision is now present on 12.284 GHz (v) in Swedish.

Hollywood B4U is on 12.453 GHz (h) in MPEG2 clear in Hindi. (SR 19834,FEC 7/8).

Six new channels are now present on 11.997 GHz (v) in MPEG2 clear. (SR 27500 FEC 3/4), namely Travel/Viasat Sport in English/Swedish. Travel: Monday - Friday 12:00-19:00 CET, Saturday- Sunday 12:00-16:00 CET. BBC World in English. 3+ in Danish. Hallmark Nordic in English. MTV Nordic in English and Viasat Plus in Norwegian.

Four new channels are now available on 12.054 GHz (v) in MPEG2 clear. Polarity of the first is vertical (V) and for the next three is horizontal (h). (SR 27500 , FEC 3/4). These are TV 3 Sweden in Swedish. TV 3 Norge in Norwegian. TV 3 Danmark in Danish, and Z-TV in Swedish.

Teracom Kakhas is now on 12.680 GHz (v), SR 6664 , FEC 1/2. On 12.380 GHz (v) an SVT infocard is present. (Editor's note: I am unable to see signals from some of these packages so am unable to verify if they are on or not.)

TELECOM 2C at 3 Degrees east:

Eurosport is now available on 12.570 GHz (h) in MPEG2 clear. (SR 6800 , FEC 5/6)

Globe Cast Promo and Canal Agro Rural can be seen on 12.679 GHz (v), SR 13600, FEC 3/4.

Six new channels with the same Polarity are 12.648 GHz (v) in MPEG2 clear. (Ed) Globe cast on 11.493 GHz (v) has left this satellite.

TELECOM 2B/2D at 5 Degrees west:

Stream Serie A is now feeding on 11.550 GHz (h) in MPEG2 clear in Italian.(SR 19834,FEC 7/8).

On 12.543 GHz (h) you can find Globecast test card in Spanish., BRTV, Radio Italia and BUT Radio in French. This package was formerly on 12.585 GHz. (Ed) Globe cast on 11.493 GHz (v) has left this satellite.

SIRIUS W, at 13 Degrees West

An analogue test-card has appeared on 11.782 GHz rhc. SIRIUS W is formerly known as SIRIUS 1 at 5 degrees East. All other transponders are not present. (Stefan Hagedorn)

NSS K 803 at 21.5 Degrees west:

If you are tuning on the right frequency at the right time you might catch some of the following FEEDS:
**GHZ POL Programme**

11.495 h BT Washington SR 9999 FEC 3/4 Service 1 uses SR6111, FEC 3/4

11.500 h LTP DSNG 1 Tower B/casting Center Testcard SR 9999 FEC 3/4 Also BT Washington NFL Europe noted.

11.510 v Channel 21 SR 5632 FEC 3/4

11.520 h BT Washington Testcard SR 5632 FEC 3/4

11.540 h BT Washington IRL SR 5632 FEC 3/4

11.540 h European PGA Tour-Service 1?

11.550 h Bright Star London Test SR 5632 FEC 3/4


11.580 v ATC Telesports W SR 6111 FEC 3/4

11.580 v Teracom SR 5632 FEC 3/4

11.590 v Globecast Paris Serte test card

11.630 v Globecast NE CH (NBC UK 525) SR 5700 FEC 3/4 Also Horse Racing Service 1 seen.

**HISPASAT AT 30 Degrees west**

Esca and CPV (Canal Punto de Venta) are available on 11.659 GHz (v)

**SATELLITE RADIO**

**ASTRA 28 Degrees east:**

Three new stations have appeared during the past month. These are:- B4U Music, 12.032 GHz (h); Premiere Christian Radio, 12.324 GHz (v) and Heart 106.2 FM, 12.324 GHz (v), all SR 27500, FEC 2/3

**ASTRA 19 Degrees east:**

Radio WAWA has started on 12.304 GHz (h) in Polish, while on 12.344 GHz (h) you can find RVI (VRT) Radio in Dutch, and RTL Der Oldiesender in German.

Xtra Music Future radio is clear on 12.051 GHz (v). All other stations in this package are encrypted.

**HOT BIRD 13 Degrees east:**

Notturno Italano, 11.804 GHz (v) in MPEG2 clear in Italian. (SR 27500 FEC 2/3).

Travel Radio, on 12.540 GHz (h) in MPEG2 clear in English. B2-92 from Belgrad has started in ANALOGUE on 11.144 GHz v (BBC World), audio 7.74 MHz. (17.00 - 18.00 CET.) (satellit-tv-video)

RFE/Radio Liberty has stopped on Hot Bird 5, 11.096 GHz h, audio 8.10 MHz. (Stefan Hagedorn)

Guide LC is now present in French on 10.758 GHz (v). OTE Radio is on 12.188 GHz (v) in Greek, and Int’l Family Radio can be heard on 12.475 GHz (h) in English.

NRJ and Cherie F are on 10.873 GHz (v) in French, while on 10.911 GHz (v) you will also find Rire et chansons, Radio Junior and Nostalgie. “R” radio is testing on 12.520 GHz (v) in MPEG2 clear in Croatian. Radicale and RR are now broadcasting on 11.900 GHz (h) in Italian, while on 12.245 GHz (h) there are five new Italian radio channels present. They are Radio Rinascente, Radio Cookie, Radio Baby, Radio McDonald and Day Classics.

**CYBERSPACE**

Sirius 1 has been renamed Sirius W, and has moved West to 13 degrees West. ("LyngSat Updates")

And that’s the news for this edition. All news is courtesy of SATCO DX unless otherwise credited. Additional thanks go to Sweden Calling Dxers, Lyngsat Updates, and Stefan Hagedorn Transponder Updates. See you all next month – Dave Small.

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**R S L U P D A T E**

*Updated 6 June 2000*

Compiled by IAN KELLY (e-mail: iankelly@iname.com, or write to the address on the back page)

RSL is short for Restricted Service Licence. These are licences issued for short term or restricted coverage radio stations in the UK, by the Radio Authority.

All details are based on information from the Radio Authority, unless another source is stated.

A continuously updated list, with web links and email addresses, can be found via the Skywaves website: [www.skywaves.freeserve.co.uk](http://www.skywaves.freeserve.co.uk).

<table>
<thead>
<tr>
<th>Location</th>
<th>Freq</th>
<th>Station</th>
<th>Date On</th>
<th>Date off</th>
<th>Telephone</th>
<th>Details (and contributor details)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aberdeen</td>
<td>107.2</td>
<td>Flame FM</td>
<td>27/05/00</td>
<td>23/06/00</td>
<td>01224 310626</td>
<td>Events during Pentecost</td>
</tr>
<tr>
<td>Abingdon</td>
<td>106.4</td>
<td>Ridge FM</td>
<td>28/05/00</td>
<td>24/06/00</td>
<td>01235 521064</td>
<td>Trial service</td>
</tr>
<tr>
<td>Ashford, Kent</td>
<td>107.5</td>
<td>Scout FM</td>
<td>26/05/00</td>
<td>29/05/00</td>
<td>0850 730008</td>
<td></td>
</tr>
<tr>
<td>Ashford, Kent</td>
<td>106.5</td>
<td>Ashford FM</td>
<td>28/06/00</td>
<td>23/07/00</td>
<td>01722 415188</td>
<td>Ashford Summer Festival Events</td>
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<tr>
<td>Aylesbury</td>
<td>107.7</td>
<td>Flame FM</td>
<td>18/05/00</td>
<td>14/06/00</td>
<td>01296 423053</td>
<td>Pentecost (heard by Ian Kelly near Oxford)</td>
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<tr>
<td>Ballymena</td>
<td>?</td>
<td>Radio Cracker</td>
<td>26/11/00</td>
<td>23/12/00</td>
<td></td>
<td>charity fundraiser (Jack Adams at station)</td>
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<tr>
<td>Barnsley</td>
<td>87.7</td>
<td>Locke FM</td>
<td>29/05/00</td>
<td>24/06/00</td>
<td>01226 213338</td>
<td>Trial</td>
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<tr>
<td>Barnsley</td>
<td>87.7</td>
<td>YMCA Radio Barnsley 09/07/00</td>
<td>05/08/00</td>
<td>01226 213121</td>
<td>Trial community service</td>
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<td>Bedford</td>
<td>106.9</td>
<td>BCFM Radio</td>
<td>22/05/00</td>
<td>18/06/00</td>
<td>01234 291000</td>
<td>College training and festival coverage</td>
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<tr>
<td>Belfast</td>
<td>105.8</td>
<td>Switch FM</td>
<td>12/06/00</td>
<td>07/07/00</td>
<td>01232 313333</td>
<td>Community service/Shankill Festival</td>
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<td>Belfast</td>
<td>106.2</td>
<td>Triple FM</td>
<td>17/07/00</td>
<td>13/08/00</td>
<td>01232 313440</td>
<td>West Belfast Community Festival</td>
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<tr>
<td>Biggin Hill, Kent</td>
<td>Air Fair Radio</td>
<td>87.9</td>
<td>02/06/00</td>
<td>04/06/00</td>
<td>0207 261 3691</td>
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<td>Birkenhead</td>
<td>Flame FM on The Wirral</td>
<td>106.2</td>
<td>27/05/00</td>
<td>23/06/00</td>
<td>0151 678 0435 Flame FM national project during Pentecost</td>
<td></td>
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<tr>
<td>Birmingham</td>
<td>Radio Takbeer</td>
<td>106.6</td>
<td>11/06/00</td>
<td>24/06/00</td>
<td>0121 440 0708 Birth of the Prophet of Islam</td>
<td></td>
</tr>
<tr>
<td>Birmingham</td>
<td>Radio Hollymoor</td>
<td>105.2</td>
<td>18/06/00</td>
<td>15/07/00</td>
<td>0121 683 1800 Training of young unemployed</td>
<td></td>
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<tr>
<td>Birmingham, Castle Vale</td>
<td>Vale FM</td>
<td>105.2</td>
<td>15/05/00</td>
<td>11/06/00</td>
<td>0121 749 1343 Training and broadcasting experience</td>
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<tr>
<td>Bournemouth</td>
<td>Hope FM</td>
<td>106.3</td>
<td>28/05/00</td>
<td>24/06/00</td>
<td>01202 780396 Pentecost Millennium national radio project</td>
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<tr>
<td>Bournemouth</td>
<td>Youth FM</td>
<td>28/08/00</td>
<td>15/09/00</td>
<td>01635 202 700 youth broadcasting (Youth FM website)</td>
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<tr>
<td>Bradford</td>
<td>Flame FM</td>
<td>106.6</td>
<td>27/05/00</td>
<td>23/06/00</td>
<td>01274 595382 Christian broadcast</td>
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<tr>
<td>Brentwood</td>
<td>Phoenix FM</td>
<td>87.7</td>
<td>03/06/00</td>
<td>30/06/00</td>
<td>01273 664661 Trail service for Brentwood</td>
<td></td>
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<tr>
<td>Brighton</td>
<td>Dolphin FM</td>
<td>02/05/00</td>
<td>30/05/00</td>
<td>020 7210 3479 Brighton Festival</td>
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<tr>
<td>Buckley/Mold</td>
<td>South Flintshire Radio</td>
<td>106.7</td>
<td>01/07/00</td>
<td>28/07/00</td>
<td>01352 762151 Trail service for Buckley/Mold</td>
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<tr>
<td>Buxton</td>
<td>Radio Buxton</td>
<td>106.2</td>
<td>31/05/00</td>
<td>13/06/00</td>
<td>01773 742928 Trial service for Buxton</td>
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<tr>
<td>Cardiff</td>
<td>Watchtower Convention</td>
<td>87.7</td>
<td>30/06/00</td>
<td>02/07/00</td>
<td>020 8906 2211 Student broadcast/broadcasting experience</td>
<td></td>
</tr>
<tr>
<td>Carrickfergus</td>
<td>Carrick Vibes FM</td>
<td>106.2</td>
<td>08/06/00</td>
<td>22/06/00</td>
<td>01232 205967 Hospital broadcast</td>
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<tr>
<td>Carshalton, Surrey</td>
<td>Radio St Helier</td>
<td>87.7</td>
<td>21/05/00</td>
<td>17/06/00</td>
<td>0181 394 3066 youth broadcasting</td>
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<tr>
<td>Charlbury Park</td>
<td>Youth FM</td>
<td>87.9</td>
<td>11/07/00</td>
<td>30/07/00</td>
<td>01342 336778 Annual Rally of the Caravan Club (hope they don't get stuck in the mud!)</td>
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<tr>
<td>Chippenham</td>
<td>J2K Radio</td>
<td>105.4</td>
<td>09/06/00</td>
<td>18/06/00</td>
<td>01249 652587 Christian broadcast</td>
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<tr>
<td>Church Betchersden</td>
<td>Scout FM</td>
<td>107.5</td>
<td>26/05/00</td>
<td>29/05/00</td>
<td>0850 730008 Ashford Scouts Millennium Celebration</td>
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<tr>
<td>Coleford</td>
<td>Coleford FM</td>
<td>105.8</td>
<td>26/05/00</td>
<td>29/05/00</td>
<td>01594 837529 Coleford &quot;Switched On&quot; festival of music</td>
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<tr>
<td>Corby</td>
<td>Corby Radio</td>
<td>106.6</td>
<td>12/06/00</td>
<td>09/07/00</td>
<td>01788 712801 Corby Kids Summer Camp Appeal</td>
<td></td>
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<tr>
<td>Coventry</td>
<td>Watchtower Convention</td>
<td>87.7</td>
<td>23/06/00</td>
<td>26/06/00</td>
<td>020 8906 2211 Student broadcast/broadcasting experience</td>
<td></td>
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<tr>
<td>Cowes, Isle of Wight</td>
<td>Cowes Radio</td>
<td>106.2</td>
<td>27/07/00</td>
<td>06/08/00</td>
<td>01489 578850 Cowes Yachting Week Regatta</td>
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<tr>
<td>Cranfield</td>
<td>PFA 87.7</td>
<td>87.7</td>
<td>22/06/00</td>
<td>26/06/00</td>
<td>01273 461616 Popular Flying Association International Rally</td>
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<tr>
<td>Dewsbury</td>
<td>Branch FM</td>
<td>106.2</td>
<td>10/06/00</td>
<td>07/07/00</td>
<td>01924 292651 Trial Christian service</td>
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<tr>
<td>Durham</td>
<td>Fram 107</td>
<td>107.0</td>
<td>03/07/00</td>
<td>16/07/00</td>
<td>0191 375 4332 Student broadcast/broadcasting experience</td>
<td></td>
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<tr>
<td>Edinburgh</td>
<td>Youth FM</td>
<td>107.7</td>
<td>24/05/00</td>
<td>11/06/00</td>
<td>01635 202700 National youth project (Neil Clark)</td>
<td></td>
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<tr>
<td>Farnborough</td>
<td>Passion 106.8</td>
<td>106.8</td>
<td>29/04/00</td>
<td>26/05/00</td>
<td>01252 405555 College Radio; RDS: Passion. PI: C095</td>
<td></td>
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<tr>
<td>Glasgow</td>
<td>Radio Awaz</td>
<td>105.4</td>
<td>01/05/00</td>
<td>28/05/00</td>
<td>0141 576 5021 Trial Asian service/sports event</td>
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<tr>
<td>Glasgow</td>
<td>Clan FM in Glasgow</td>
<td>106.8</td>
<td>01/05/00</td>
<td>28/05/00</td>
<td>01698 733107 Trial service for the city of Glasgow</td>
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<tr>
<td>Glasgow</td>
<td>The Health Service</td>
<td>105.4</td>
<td>23/06/00</td>
<td>30/06/00</td>
<td>0121 454 4000 NHs Confederation conference</td>
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<tr>
<td>Goodwood, Chichester</td>
<td>Goodwood Festival of Speed</td>
<td>106.8</td>
<td>22/06/00</td>
<td>26/06/00</td>
<td>01295 262000 Goodwood Festival of Speed</td>
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<tr>
<td>Grange-de-Lings</td>
<td>Lincolnshire Show Radio</td>
<td>106.2</td>
<td>19/06/00</td>
<td>22/06/00</td>
<td>01522 549977 Lincolnshire Agricultural Show</td>
<td></td>
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<tr>
<td>Grantham</td>
<td>Gravity FM</td>
<td>106.6</td>
<td>01/05/00</td>
<td>28/05/00</td>
<td>01476 577914 Trial service in Grantham</td>
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<tr>
<td>Grimsby</td>
<td>Kriiss</td>
<td>87.7</td>
<td>02/05/00</td>
<td>20/05/00</td>
<td>Student service (UK Radio)</td>
<td></td>
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<tr>
<td>Guiseley</td>
<td>Flame FM</td>
<td>87.9</td>
<td>12/06/00</td>
<td>09/07/00</td>
<td>0113 230 8725 Celebrate the Millennium and Pentecost from Christian perspective</td>
<td></td>
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<tr>
<td>Harold Hill, Essex</td>
<td>Link FM</td>
<td>101.4</td>
<td>02/07/00</td>
<td>28/07/00</td>
<td>01708 378378 Havering Millennium festival</td>
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<tr>
<td>Harrogate</td>
<td>Great Yorkshire Post Radio</td>
<td>87.7</td>
<td>11/07/00</td>
<td>13/07/00</td>
<td>01295 262000 Great Yorkshire Show</td>
<td></td>
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<tr>
<td>Hastings</td>
<td>Hastings Rock</td>
<td>107.0</td>
<td>01/05/00</td>
<td>28/05/00</td>
<td>0797 998 2586 Fundraising</td>
<td></td>
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<tr>
<td>Huddersfield</td>
<td>Ay Up! Radio</td>
<td>87.9</td>
<td>08/05/00</td>
<td>04/06/00</td>
<td>01484 538156 Student broadcast (ay up, lad!)</td>
<td></td>
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<tr>
<td>Ilkeston</td>
<td>Radio Robin</td>
<td>106.6</td>
<td>14/07/00</td>
<td>23/07/00</td>
<td>0115 932 8000 Hospital Radio birthday celebrations</td>
<td></td>
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<tr>
<td>Keele, Staffs</td>
<td>KUBE FM</td>
<td>107.9</td>
<td>08/05/00</td>
<td>04/06/00</td>
<td>01782 583706 Keele University - student station (BDXG-UK)</td>
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<tr>
<td>Keighley</td>
<td>Keighley Festival Radio</td>
<td>106.2</td>
<td>06/06/00</td>
<td>02/07/00</td>
<td>07970 475748 Keighley Festival</td>
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<tr>
<td>Leeds</td>
<td>Radio Kalaam</td>
<td>107.7</td>
<td>22/05/00</td>
<td>18/06/00</td>
<td>0113 217 7980 Media training for unemployed Asian youth</td>
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<tr>
<td>Leeds</td>
<td>Youth FM</td>
<td>107.7</td>
<td>21/06/00</td>
<td>09/07/00</td>
<td>01635 202 700 youth broadcasting (Youth FM website)</td>
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<tr>
<td>Leeds</td>
<td>Watchtower Convention</td>
<td>87.7</td>
<td>30/06/00</td>
<td>02/07/00</td>
<td>020 8906 2211 Jehovah's Witnesses Annual Convention</td>
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<tr>
<td>Leeds</td>
<td>Leeds Mela Radio</td>
<td>87.9</td>
<td>10/07/00</td>
<td>06/08/00</td>
<td>0113 249 2734 Community festival</td>
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<tr>
<td>Leicester</td>
<td>The Wall</td>
<td>95.1</td>
<td>29/05/00</td>
<td>25/06/00</td>
<td>0116 288 8991 Trial service for Leicester</td>
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<tr>
<td>Leicester</td>
<td>Juice FM</td>
<td>87.9</td>
<td>10/07/00</td>
<td>06/08/00</td>
<td>0116 262 2815 Youth media project</td>
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<tr>
<td>City</td>
<td>Frequency</td>
<td>Station Name</td>
<td>Contact Numbers</td>
<td>Services/Comments</td>
<td></td>
<td></td>
</tr>
<tr>
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<tr>
<td>Leicester</td>
<td>96.1</td>
<td>Takeover Radio</td>
<td>0116 288 8991</td>
<td>Youth broadcast</td>
<td></td>
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<tr>
<td>Lincoln</td>
<td>87.9</td>
<td>Siren FM</td>
<td>01/05/00</td>
<td>Student service (UK Radio)</td>
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<tr>
<td>Liverpool</td>
<td>87.9</td>
<td>New Heys Community Radio</td>
<td>0780 883 8005</td>
<td>Community/school project</td>
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<tr>
<td>London S, South Bank</td>
<td>87.9</td>
<td>Fourth Wall FM</td>
<td>03/05/00</td>
<td>Exhibition</td>
<td></td>
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<tr>
<td>London S, Battersea</td>
<td>87.7</td>
<td>Fundamental FM</td>
<td>31/07/00</td>
<td>Youth training project</td>
<td></td>
<td></td>
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<tr>
<td>London SW, Wimbledon</td>
<td>87.7</td>
<td>Radio Wimbledon</td>
<td>20/06/00</td>
<td>Wimbledon Lawn Tennis Championships (James Vertigan)</td>
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<td></td>
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<tr>
<td>London W, Acton</td>
<td>87.7</td>
<td>Justice FM</td>
<td>19/07/00</td>
<td>Youth radio station in association with the Metropolitan Police (James Vertigan - Station DJ)</td>
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<tr>
<td>Luton</td>
<td>87.9</td>
<td>Luton FM</td>
<td>02/06/00</td>
<td>Educational programme</td>
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<tr>
<td>Maidstone</td>
<td>87.7</td>
<td>20/20 FM</td>
<td>04/08/00</td>
<td>Trial for Maidstone</td>
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<tr>
<td>Malvern</td>
<td>87.7</td>
<td>Youth Comm Radio</td>
<td>13/06/00</td>
<td>Three Counties Show</td>
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<tr>
<td>Manchester</td>
<td>87.7</td>
<td>Watchtower Convention</td>
<td>09/07/00</td>
<td>Jehovah's Witnesses Annual Convention</td>
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<tr>
<td>Manchester N, Moston</td>
<td>87.9</td>
<td>Radio Moston</td>
<td>05/05/00</td>
<td>media training (Neil Clark)</td>
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<tr>
<td>Manchester E, Openshaw</td>
<td>106.2</td>
<td>Radio Openshaw</td>
<td>14/05/00</td>
<td>media training; RDS: Openshaw PI: C095 (Neil Clark)</td>
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<tr>
<td>Manchester S, Longsight</td>
<td>106.6</td>
<td>Radio Longsight</td>
<td>12/05/00</td>
<td>media training; RDS: Lngsight PI: C095 (Neil Clark)</td>
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<tr>
<td>Middlesbrough</td>
<td>107.4</td>
<td>Southside Broadcasting FM</td>
<td>23/06/00</td>
<td>Promote health issues &amp; community arts issues</td>
<td></td>
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<tr>
<td>Newark</td>
<td>107.6</td>
<td>Newark FM</td>
<td>14/07/00</td>
<td>trial rock music station (Dave Miller of The Super Station)</td>
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<tr>
<td>Newquay</td>
<td>105.5</td>
<td>Malibu Surf FM</td>
<td>21/07/00</td>
<td>Surf championship/tourist info</td>
<td></td>
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<tr>
<td>Newton Abbot</td>
<td>105.4</td>
<td>New Life Radio</td>
<td>29/07/00</td>
<td>trial (Mike Coles)</td>
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<tr>
<td>Northampton *</td>
<td>105.8</td>
<td>Inspiration FM</td>
<td>17/03/00</td>
<td>trial</td>
<td></td>
<td></td>
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<tr>
<td>Norwich</td>
<td>107.3</td>
<td>Flame 2000</td>
<td>08/06/00</td>
<td>March for Jesus event/national Christian project during Pentecost</td>
<td></td>
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<tr>
<td>Peterborough, Oundle</td>
<td>87.9</td>
<td>Oscar Radio</td>
<td>02/05/00</td>
<td>School project</td>
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<tr>
<td>Plymouth</td>
<td>106.6</td>
<td>Watchtower Convention</td>
<td>23/06/00</td>
<td>Jehovah's Witnesses Annual Convention</td>
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<td></td>
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<tr>
<td>Reading</td>
<td>87.9</td>
<td>Kiddz FM</td>
<td>22/05/00</td>
<td>Children's Festival; RDS: Kiddz_FM PI: 1201</td>
<td></td>
<td></td>
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<tr>
<td>Reading</td>
<td>107.0</td>
<td>Reading 107</td>
<td>04/07/00</td>
<td>Trial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rochdale</td>
<td>106.6</td>
<td>Milad FM</td>
<td>04/06/00</td>
<td>Birth of the prophet Mohammed</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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