

SKYWAVES

Produced by the British FM & TV Circle

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DX News, Loggings and
Information for FM & TV
DXers



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MAGYAR RÁDIÓ



DANUBIUS



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.

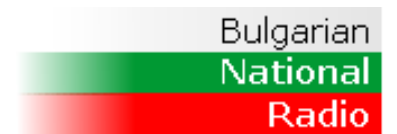
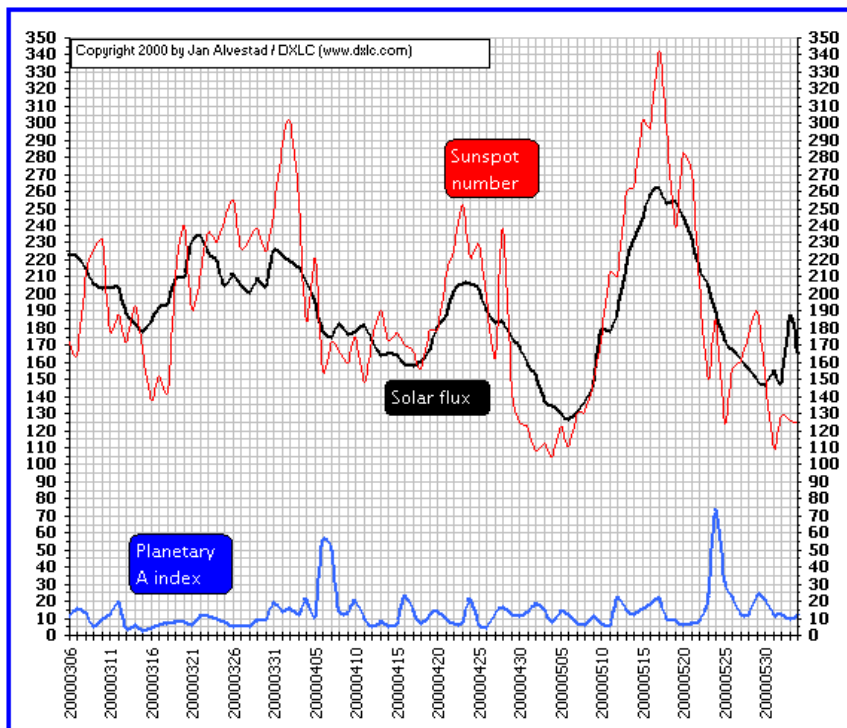
The events at the end of May were indeed unusual. DXers across the UK and Europe experienced some of the most prolonged E activity on record. I myself have been DXing FM since the early eighties and cannot recall such persistent DX reception. The E skip lasted more than five days, almost solidly! It's 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...

SOLAR TERRESTRIAL ACTIVITY REPORT

Information courtesy of the DX Listeners Club of Norway. www.dxlc.com





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Standard Deadline – 25th of every month

Well, it has to be said, my mood regarding this year's season changed a lot over the course of the past month. At it's beginning 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

Chan	Time	Date	ITU	Station, Programme details, etc	Reception – Mode - Rptr
E2 E4	1121	05/05	E	TVE1. Weak sigs with fair QSB. Better on E4.	E WK
E3	1658	07/05	E	TVE 1 Good peaks with lengthy QSB	2335 E DS
E2	1236	14/05	SUI	SF DRS 1, Sport Aktuell, Football. Good Col/ snd.	V Good E PL
E3	1240	14/05	SUI	SF DRS 1, Sport Aktuell, Football, then film.	Good E PL
E2	1242	14/05	D	ARD1, ads for upcoming progs. Strong colour at times.	G/ VG E PL
R1	1244	14/05	CZE	TV Nova, Ostrava,	Good E TB
E4	1255	14/05	SUI	TSR1, La Dole, Frech Language ads, colour.	Good E PL
R2	1310	14/05	CZE	TV Nova, Ice Hockey, strong Colour.Sound on 65.515/ 65.76	V Good E PL
E2A	1314	14/05	AUT	ORF 1, Film. Strong but local qrm.	Fair E PL
R2	1315	14/05	HNG	RTL Klub, presumed. Strong colour, ads, HNG language.	Good E PL
R1	1331	14/05	CZE	TV Nova, Ice Hockey, hvy mixing with ORF1.	Fair E PL
E4	1405	14/05	D	ARD1, Tennis, strong colour qrm de R2.	Good E PL
E2 E3 E4	1405	16/05	E	TVE1. Very strong sigs on all channels. Colour on E2. Lasted 30 minutes.	E WK
E3	1520	16/05	E	TVE1, Soap opera. Strong colour/snd.	V Good E PL
E2-	1630	16/05	I	Unid Italian station, sound on 53.235 mhz.	Good E TB
E3	1310	18/05	E	TVE1, Valencia area local news.	Weak E PL
E2 E4	1302	19/05	E	TVE1. Very strong on E2, little QSB. Opening lasted around 20 minutes.	E WK
E2	1330	19/05	E	TVE 1 Ads, seen for a few minutes	2023 E DS
E4	1345	19/05	E	TVE 1 News, ads. Very clear with good sound	3335 E DS
E3	1347	19/05	E	TVE1, Prima Vera show.	Fair E PL
E2	1353	19.05	E	TVE1, Prima Vera, entertainment news with attractive y!!!.	V Good E PL
IB	1426	19/05	I	RAI 1, Comedy show.	Fair E PL
IA	1434	19/05	I	RAI 1+ scrambled pic fighting it out.	Fair E PL
E3	1205	20/05	E	TVE 1 Promo's. Clear with colour and good sound	3335 E DS
E3	1222	20/05	E	TVE1, Soap.	Fair E PL
IA	1234	20/05	I	RAI 1, News. YL Presenter.	Weak E PL
L3	1256	20/05	F	Canal Plus, brief unscrambled pics.	Fair E PL
E4	1938	21/05	E	TVE1. Fair Sigs with little QSB. Lasted around 15 minutes.	E WK
E3	1825	21/05	E	TVE 1 Studio PX . Lengthy QSB	2324 E DS
E2 E3 E4	1403	22/05	E	TVE1. Near perfect colour pictures. Very little QSB on all three channels.	E WK
E2 E3 E4	1509	22/05	E	TVE1. Still near perfect colour pictures with very little QSB.	E WK
E2 E3 E4	1609	22/05	E	TVE1. Much weaker sigs now with fair QSB. Faded out around 1650z.	E WK
E2	1405	22/05	E	TVE 1 WX. Strong but with QRM	3042 E DS
E4	1408	22/05	E	TVE 1 WX. Clean signal	2234 E DS
E3	1411	22/05	E	TVE 1 Series. Strong with some colour	3333 E DS
E2	1120	22/05	E	TVE1, talk show	V Good E PL
E3	1135	22/05	E	TVE1, talk show.	Good E PL
E2	1259	22/05	D	SR1, Gottleborner Hohe, 48.2396,	Good E TB
E2	1325	22/05	D	ARD1, talk show.	F/ Good E PL
E4	1327	22/05	E	TVE1, Prima Vera show.	Fair E PL
E3	1423	22/05	POR	RTP1, strong colour ads.	V Good E PL
IA	1427	22/05	I	RAI 1, sound on 59.24/ 59.48 talk show, hvy qrm.	Fair E PL
IB	1441	22/05	I	RAI 1, yl song, best ever RAI sigs, full col/snd on 67.76/ 68.0	EX E PL
E2	1035	23/05	E	TVE1. Weak with fair QSB.	E WK
E3	1112	25/05	E	TVE1, Saber vivir talk show.	Fair E PL
E4	1115	25/05	E	TVE1, Saber vivir talk show.	Good E PL
E2	1117	25/05	E	TVE1, Saber Vivir talk show b/w snd.	F/ Good E PL

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
IA	1700	25/05	I RAI 1, News.	Fair	E	PL
E4	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	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	1822	27/05	D ARD 1 Musical studio PX with YL	Fair	E	DS
R2	1001	27/05	LTU LTV. Very strong sigs, but only lasted 5 minutes.		E	WK
R1	1233	27/05	CZE TV NOVA. Very strong sigs but bad QRM at times.		E	WK
R1	1403	27/05	UKR 1 + 1 logo top right. Very strong sigs. Adverts then prog. Lasted 10 minutes.		E	WK
R1	1317	27/05	CZE TV NOVA. Very strong sigs, but QRM at times.		E	WK
R3	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 QRM.		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
R3	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, Newwws.	Good	E	TB
E3	1815	27/05	JOR	JRT1, Suweilih Jordan!. Om with news, ads, logo top left.	F/ Good	E	PL
R3	1825	27/05	ROU	TV1, 2xyl talking, sound on 83.75. 1st time for Romanian TV!.	Fair	E	PL
E4	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
E2 E3 E4	1318	28/05	E	TVE1. Weak sigs with fair QSB on all channels now. QRM on E3.		E	WK
E3	1241	28/05	POR	RTP1. Mixing with Spain.		E	WK
E2 E3 E4	1233	28/05	E	TVE1. Fair sigs, some QSB and QRM on all channels.		E	WK
E2 E3 E4	1129	28/05	E	TVE1. Fair to strong sigs, some QSB on all channels. QRM on E4 at times.		E	WK
E2 E3 E4	1032	28/05	E	TVE1. Fair sigs, some QSB.		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	POR	RTP1. 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
IT-A	0658	28/05	I	RAI Uno OM/YL with studio PX	3334	E	DS
E4	0710	28/05	HRV	HRT 1 Studio PX	3334	E	DS
IT-B	0730	28/05	I	RAI Uno Teen drama	Fair	E	DS
E3	0930	28/05	E	TVE 1 Sport	2334	E	DS
E2	1138	28/05	E	TVE 1 Ads, News	2233	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	TVE1, 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	TVR1, ad for hair care followed by news.	Good	E	TB
R4	2007	28/05	ROU	TVR1, 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, advertisemenst, rapid qsb	F/ Good	E	PL
E2	1441	29/05	POR	RTP2, Valeco Do Douro, 35watts,	Fair	E	TB
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 col/ snd, best sig of 2000 so far!	Excellent	E	PL
E2	1728	29/05	NOR	NRK1, kids show yl presenter with "muppets".	Good	E	PL
E3	1850	30/05	NOR	NRK. PX caption	QRM	E	DS
R2	1851	30/05	EST	Estonia. YL with talks	2333	E	DS
E3	1855	30/05	NOR	NRK Studio PX	QRM	E	DS
R1	0915	30/05	CZE	TV Nova, film. Strong col/ snd.	V Good	E	PL
E4	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.	V 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
E4	1740	30/05	E	TVE1, game show, strong b/w pics	Good	E	PL
E3	1741	30/05	POR	RTP1, interview with two yls 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	W/ Fair	E	PL
R2	1835	30/05	LTU	LTV Lithuania, kids music show, logo top right LTV	Good	E	PL
E2	1844	30/05	D	ARD1, Film.	Good	E	PL
E3	1849	30/05	E	TVE1, very disturbed pics, rolling	Fair	E	PL
R2	1911	30/05	CZE	TV Nova, quiz show, also on R1 which was very disturbed.	Good	E	PL
E2	1939	30/05	S	SVT1, documentary	Good	E	PL
E3	1939	30/05	DNK	DRTV1, Documentary	Good	E	PL
E3/4	2031	30/05	NOR	NRK1, discussion, both channels vg col/ snd peaks	V Good	E	PL
E2	2055	30/05	NOR	NRK1, yl on screen, good col/ snd	Good	E	PL
E2	2111	30/05	S	SVT1, Celebrity death Match, can you imagine this on the BBC!	Good	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
E3	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. Best at 1715 with clock/cap	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	1705	31/05	HNG	RTL. Documentary	Fair	E	DS
L2	1915	31/05	F	Canal +. Scrambled pics	Fair	E	DS
IT-B	1915	31/05	I	RAI Uno. Drama	Fair	E	DS
R1	0002	31/05	HNG	MTV1, disturbed pics.	Fair	E	PL
E2	0201	31/05	D	ARD1, studio discussion, strong col/ sng	V Good	E	PL
E4	0206	31/05	?	Unid pics, at this late hour!.	Fair	E	PL
R2	0704	31/05	HNG	RTL Klub, kids prog.	F/ Good	E	PL
E2A	0711	31/05	AUT	ORF1, fresh prince... with Will Schmidt no doubt!.	F/ Good	E	PL
E2	0713	31/05	D	ZDF AM programme via ARD	V Good	E	PL
E4	0713	31/05	D	ZDF AM programme via ARD	Good	E	PL
R2	0714	31/05	CZE	TV Nova, wx forecast for Czech R.,	Fair	E	PL
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	TSR1, La Dole, drama, logo small blue square top left	Fair	E	PL
L3	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	E	TVE1, talk show, good b/w.	Good	E	PL
E2	1218	31/05	D	ARD1, Tagesschau, News, Unbelievable pics... just perfect	EX+!	E	PL
L2	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	DNK	DRTV1, bike race, col/ snd at times	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	DNK	DRTV1, bike race some qsb	F/ 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!.	F/ Good	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:

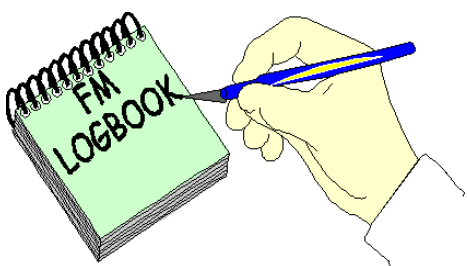
<u>FREQ</u>	<u>USER/ NOTES</u>	<u>RP</u>			
			40.3	French PMR	PL
			40.76	Pocsag Pagers, unidentified source.	PL
34.76	German comms, input freq of emergency channel 821.	PL	40.875	Pocsag Pagers, unidentified source.	PL
39.45	French PMR	PL	44.15	Polish STL, Polskie Radio link.	PL
39.5	Pocsag Pagers, unidentified source.	PL	45.8	French PMR	PL
39.6	Pocsag Pagers, unidentified source.	PL	45.8	French Phone.	PL
39.65	Pocsag Pagers, unidentified source.	PL	47.1	Coastway Hospital Radio, Brighton.	PL
39.75	Pocsag Pagers, unidentified source.	PL	72.615	French PMR	PL
39.8	Pocsag Pagers, unidentified source.	PL	72.635	French PMR	PL
40.18	Portuguese Fire Departments.	PL	72.725	French PMR	PL
40.22	Portuguese Fire Departments.	PL			
40.25	Portuguese Fire Departments.	PL	35-36.200	French Roads Services, strong, daily.	PL

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 WFM 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.



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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

<u>FREQ</u>	<u>TIME</u>	<u>DATE</u>	<u>ITU</u>	<u>STATION</u>		<u>RDS CODE</u>	<u>SIGNAL</u>	<u>M</u>	<u>RP</u>
87.6	1422	14/05	BEL	RTBF1, Leglise, om in ff talk		PREMIERE	Good	T	PL
87.6	0703	11/05	D	NDR-2, Hamburg. YL talking over the music!	D382		fair	T	JF
87.6	0718	11/05	D	NDR-2, Hamburg		_NDR_2__	fair	T	TB
87.6	0935	11/05	D	NDR-2, Hamburg 80kw			v good	T	PT
87.6	2157	11/05	D	NDR-4, Osnabruck (listed 200W!!!) ID gleaned	D384		weak	T	JF
87.7	0257	11/05	D	NDR-4 Info, Flensburg. Pop music	D384	NDR_INFO	good	T	JF
87.7	0607	11/05	D	NDR INFO Flensburg 10kw	D384		good	T	PT
87.7	1800	12/05	HOL	R.2			fair	T	PT
87.8	1040	11/05	D	NDR-2, Willemshaven			fair	T	TB
87.8	2200	11/05	D	R Jadewelle, Wilhelmshaven. Presumed. Relay of NDR-2 with ID			v weak	T	JF
87.9	0608	11/05	D	NDR INFO Heilde 15kw	D384		good	T	PT
87.9	0703	11/05	D	NDR-Info, Heide. OM reading news		NDR_INFO	good	T	JF
87.9	0717	11/05	D	NDR Info, Heide	D384	NDR_INFO	excellent	T	TB
87.9	reg	reg	G	Kiddz FM, Reading (RSL). Radio by kids for kids	1201	Kiddz_FM	excellent	G	IK
88.1	0257	11/05	DNK	DR-1, Arhus. Piano music	9201	DR_P1__	v good	T	JF
88.1	0621	11/05	DNK	DR P1 Aahus 60kw	9201		v good	T	PT
88.3	1706	11/05	D	BREMEN 2 Bremen 100kw			v good	T	PT
88.4	2056	27/05	G	Shakedown FM, London Pirate. London pirate			weak	T	PB
88.5	0818	11/05	D	R Hamburg, Cuxhaven. Pop music.	D458		fair	T	JF
88.6	1247	11/05	HOL	R Fryslan, Irnsum. 2 OM's waffling away together!	8411	FRYSLAN_	fair	T	JF
89.0	0752	11/05	DNK	DR-1, Sdr. Højrup. OM reading news		DR_P1__	good	T	JF
89.2	2159	11/05	D	NDR-2, Osnabruck. Pop song	D382	_NDR2__	v good	T	JF
89.6	0305	11/05	D	NDR-1, Flensburg. NDR night service, ID after news			fair	T	JF
89.6	0609	11/05	D	NDR 1 SH Flensburg 25kw	D5E1		v good	T	PT
89.6	0702	11/05	D	NDR-1, Flensburg. OM reading news	D5E1	NDR_1_SH	good	T	JF
89.6	0717	11/05	D	NDR-1, Flensburg			fair	T	TB
89.6	0740	11/05	D	NDR1SH Flensburg 25kw	D5E1		v good	T	PT
89.9	0702	11/05	D	NDR-3, Bungsborg probably though Harz also listed. News	D383	RADIO_3_	good	T	JF
89.9	0723	11/05	D	NDR-3, Bungsborg/Torfhaus			poor	T	TB
90.0	0702	11/05	D	NDR-3, Aurich. News	D383	RADIO_3_	good	T	JF
90.0	1058	11/05	D	NDR-3, Aurich 25kw	D383		v good	T	PT
90.0	1103	11/05	D	NDR-3, Aurich			fair	T	TB
90.2	2050	11/05	D	NDR-3, Lingen 15kw	D383		v good	T	PT

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		v good	T	PT
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 Nationaal, 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	NDR-1, Steinkimmen. German songs // 90.3		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 SH Kiel 15kw	D4E1		v good	T	PT
91.3	0701	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
91.4	2228	11/05	HOL	NOS-2, Markelo. Old pop music/blues // 88.0			good	T	JF
91.6	0700	11/05	D	NDR N-Joy, Cuxhaven. Promo "N-Joy Radio at work" ID			fair	T	JF
91.6	0802	11/05	D	N-Joy, Cuxhaven			poor	T	TB
91.7	0305	11/05	DNK	DR-3, Arhus. ELO song		DR_P3_	fair	T	JF
91.8	0326	11/05	HOL	NOS-3, Smilde. OM talking in Dutch 8203	RADIO3FM	AVRO_3FM	fair	T	JF
91.8	1846	11/05	HOL	R3FM Smilde 100kw			v good	T	PT
91.8	2217	11/05	HOL	NOS-3, Smilde. Rap music 8203	VPRO_3FM	RADIO3FM	good	T	JF
91.8	0700	11/05	NOR	NRK-3, Bjerkreim. YL chinwag. ID top of hour			fair	T	JF
91.9	0658	11/05	D	NDR-2, Bungsberg. Announcements before top of hour	D382		good	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
92.3	0817	11/05	DNK	DR-3, Ölgod. 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 Osnabruck 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
92.7	0625	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
92.8	2057	11/05	D	NDR1NDS Lingen 15 kW			v good	T	PT
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			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 Wiergmeer 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, Steimnkimmon 100 kW	D383		v good	T	PT
94.4	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		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

95.4	1004	11/05	D	Bremen-3, Bremerhaven			v poor	T	TB
95.6	1122	11/05	D	N--JOY Sylt 5 kW			v good	T	PT
95.7	1014	12/05	G	BBC R Cambridgeshire, Peterborough			fair	T	TB
95.8	0658	11/05	D	NDR-1, Aurich	D681	NDR1_NDS	good	T	JF
95.8	0929	11/05	D	NDR 1NDS Aurich 25 kW	D681		v good	T	PT
95.8	1101	11/05	D	NDR-1, Aurich			fair	T	TB
95.8	1128	11/05	D	NDR1NDS Aurich 25kw			v good	T	PT
96.1	0311	11/05	D	NDR-3, Flensburg. Classical music	D383	RADIO_3_	fair	T	JF
96.1	0628	11/05	D	R. 3 Flensburg 25 kW	D383		v good	T	PT
96.1	0714	11/05	D	NDR-3, Flensburg	D383		good	T	TB
96.3	0630	11/05	D	NDR-2, Heilde 15kw			v good	T	PT
96.3	0657	11/05	D	NDR-2, Heide. Jingle ID, lively programming		_NDR2__	good	T	JF
96.3	0730	11/05	D	NDR-2, Heide. Traffic Report for Hamburg.			fair	T	TB
96.3	0800	11/05	D	NDR 2 Heide 15kw			v good	T	PT
96.4	1340	11/05	D	NDR 4INFO Aurich 10kw			v good	T	PT
96.5	2120	15/05	F	France Inter, Rouen. Talk and music	F201	__INTER_	fair	T	MH
96.6	1015	12/05	BEL	RTBF-3, Anderlues			fair	T	TB
96.7	0743	11/05	D	R Bremen 3, Bremen. A German Cliff Richard!	D343		fair	T	JF
96.7	1648	11/05	D	BREMEN3 Bremen 50kw	D343		v good	T	PT
96.8	0319	11/05	DNK	DR-2, Sdr. Højrup. Old pop songs // DR-3 97.2			fair	T	JF
97.2	0311	11/05	DNK	DR-3, Rangstrup. Old pops // 97.7		DR_P3__	good	T	JF
97.2	0631	11/05	DNK	DR. P3 Rangstrup 60kw			v good	T	PT
97.4	0625	12/05	D	DLR Berlin, Brocken. German OM talking	D220		fair	T	JF
97.5	0320	11/05	DNK	DR-2, Naestved. Nostalgic pops // DR-3 97.2			fair	T	JF
97.5	2121	15/05	G	Ocean FM, Portsmouth. Pop classics, ID			weak	T	MH
97.6	0900	11/05	G	Chiltern FM, Dustable			fair	T	TB
97.7	0311	11/05	DNK	DR-2, Ölgod. Old pops // 97.2. // DR-3 97.2			fair	T	JF
97.7	0320	11/05	DNK	DR-2, Olgod (R Midt & Vest). Nostalgia // DR-3, 97.2			fair	T	JF
97.8	0837	11/05	D	NDR-1, Bunsberg			poor	T	TB
97.8	0918	11/05	D	Un-id NDR station. Mentioning "Dance music for Schleswig Holstein" Also mentioning Hamburg, etc.			good	T	JF
97.8	1921	11/05	D	NDR2 Lingen 15kw			v good	T	PT
97.8	2204	11/05	D	NDR-2, Lingen. ID heard then traffic report?	D382		good	T	JF
98.1	0632	11/05	D	NDR 2 Aurich 25kw			v good	T	PT
98.1	0715	11/05	D	NDR-1, Aurich. Pop music	D381	_NDR_2__	fair	T	JF
98.1	0731	11/05	D	NDR-2, Aurich			good	T	TB
98.1	0922	11/05	D	NDR 2 Aurich 25kw	D382		v good	T	PT
98.1	0312	11/05	DNK	DR-3, Aalborg. // 97.2			weak	T	JF
98.5	0312	11/05	DNK	DR-2, Holstbro. // DR-3 97.2			weak	T	JF
98.7	0313	11/05	D	NDR-2, Sylt. ID and pop music			fair	T	JF
98.7	0725	11/05	NOR	NRK-2, Bjerkreim. Norwegian OM			fair	T	JF
98.8	2205	11/05	D	NDR-3, Osnabruck. Classical music	D383		fair	T	JF
99.0	0321	11/05	DNK	DR-2, Olgod (R Syd). Old crooners songs // DR-3, 97.2			fair	T	JF
99.2	0805	11/05	D	NDR-3, Hamburg. Classical music // 99.4			weak	T	JF
99.2	1034	11/05	D	NDR-3, Hamburg 80kw	D383		v good	T	PT
99.2	0321	11/05	DNK	DR-3, Thisted. Old songs // 97.2			fair	T	JF
99.4	0705	11/05	D	NDR-3, Heide. Tent. GM OM talking			fair	T	JF
99.4	0735	11/05	D	NDR-3, Heide			poor	T	TB
99.6	0322	11/05	DNK	DR-3, Naestved. Nostalgic songs // 97.2			fair	T	JF
99.6	0706	11/05	DNK	DR-3, Naestved. Danish OM			weak	T	JF
99.7	0806	11/05	D	Un-id NDR station. Some kind of report for local areas, then news on Philippino hostages. (NDR-4 Kiel listed at 450W and NDR N-Joy Holzminden 500W. Hmmm!)			fair	T	JF
99.8	0634	11/05	D	NDR 2, Steinkimmen 100kw			v good	T	PT
99.8	0823	11/05	D	NDR 2, Steinkimmen 100kw			v good	T	PT
99.8	0823	11/05	D	NDR-2, Steinkimmen			excellent	T	TB
99.8	1920	11/05	D	NDR 2, Steinkimmen 100kw	D382		v good	T	PT
99.9	0258	11/05	DNK	DR-2, Rangstrup.	9202	DRP2_MUS	v good	T	JF
99.9	0327	11/05	DNK	DR-4, Rangstrup. Regional programme	9C02	DR_P4SYD	v good	T	JF
99.9	0921	11/05	DNK	DR4SYD Rangstrup tx	9C02		v good	T	PT
99.9	1033	11/05	DNK	DR P2, South Jutland			poor	T	TB
100.0	2001	11/05	G	Kiss 100, Croydon. With banging beats!			poor	T	TB
100.2	0726	11/05	D	R Schleswig Holstein, Bungsberg. Traffic announcements then jingle ID mentioning "Top Hits! R-S-H"	D3E8	__RSH__	good	T	JF
100.2	0825	11/05	D	RSH Eutin 50kw	D3E8		v good	T	PT
100.2	0827	11/05	D	RSH, Bunsberg			poor	T	TB
100.4	0810	11/05	D	Delta R, Heide. Pop music	D3E9		fair	T	JF
100.4	1103	11/05	D	DELTA R. Heide 15kw			v good	T	PT
100.4	2125	11/05	HOL	SKY R			good	T	PT
100.4	2149	11/05	HOL	Sky R, Smilde.		SKYRADIO	strong	T	PB

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	Bremen-4, Bremerhaven. Tom Jones mx			fair	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		RI_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	R-Bremen, Bremen	D446		poor	T	TB
101.4	0259	11/05	D	R Schleswig Holstein, Flensburg. Weather in the Flensburg area.			good	T	JF
101.4	0723	11/05	D	RSH, Flensburg 20 kw			v good	T	PT
101.4	0802	11/05	D	RSH, Flensburg			poor	T	TB
101.6	0819	11/05	D	Un-id. German talk mentioning Hamburg. DLF?			fair	T	JF
101.6	1845	11/05	HOL	NOS-1, Wieringermeer			poor	T	TB
101.7	0800	11/05	D	DLR Berlin, Eiderstedt (500W!). ID at top of hour			fair	T	JF
101.8	0302	11/05	D	DLF, Aurich.	D210	__DLF__	v good	T	JF
101.8	0841	11/05	D	DLF, Aurich	D210		fair	T	TB
101.9	0707	11/05	D	DLF, Bungsberg. OM talking in German	D210	__DLF__	v good	T	JF
101.9	0934	11/05	D	DLF Eutin 95kw			v good	T	PT
102.0	1910	11/05	D	DLF, Lingen 25kw	D210		v good	T	PT
102.0	2006	11/05	D	DLF, Lingen most likely. YL talking	D210	__DLF__	good	T	JF
102.3	0751	11/05	D	R-FFN, Steinkimmen			fair	T	TB
102.3	0838	11/05	D	R FFN, Steinkimmen. // 102.6. Rap music			v good	T	JF
102.4	0714	11/05	D	R Schleswig Holstein, Kiel. Pops // 102.9, 101.4, 103.8	D3E8	__RSH__	good	t	JF
102.4	0721	11/05	D	DLF Aurich 100kw	D210		v good	T	PT
102.4	1645	11/05	D	FFN Torhaus 100kw			v good	T	PT
102.4	1000	12/05	G	Broadland 102, Stoke Holy Cross			fair	T	TB
102.5	2243	11/05	HOL	R Nordzee FM, Weiringermeer. 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	R FFN, Cuxhaven. German pop music	D388	__ffn__	fair	T	JF
102.6	1100	11/05	D	FFN Cuxhaven 20kw			v good	T	PT
102.6	2106	11/05	D	NDR2 Stadthagen 25kw			v good	T	PT
102.9	0713	11/05	D	R Schleswig Holstein, Kaltenkirchen. Pop music	D3E8		good	T	JF
102.9	0807	11/05	D	RSH, Kaltenkirchen			fair	T	TB
103.0	2123	11/05	HOL	R.10FM			vweak	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		good	T	JF
103.1	0635	11/05	D	R FFN Aurich 15kw	D388		v good	T	PT
103.1	0823	11/05	D	R FFN, Aurich. ID and ad break			v good	T	JF
103.1	1551	11/05	D	R-FFN, Aurich			poor	T	TB
103.2	2130	15/05	G	Power FM, Southampton. Adverts, ID			weak	T	MH
103.3	0750	11/05	D	DLF, Flensburg. Talk of Turkish Membership of the E.U.			fair	T	TB
103.4	0934	11/05	D	DLF, Bremerhaven. (Ex 104.3) Over Hallam. YL in German.			good	T	JF
103.4	2207	11/05	D	R FFN, 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, Heilde 15kw	D3E8		v good	T	PT
103.8	0710	11/05	D	R Schleswig Holstein, Heide. Fleetwood Mac song	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		v good	T	PT
103.8	2111	11/05	D	ANTENNE Barsinghausen 25kw	D389		v good	T	PT
104.1	0730	11/05	D	Delta R, Bungsberg. Santana Song. Over R Sheffield!	D3E9		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

105.3	0737	11/05	D	NDR-4, Schwerin. ID after promo			fair	T	JF
105.4	0832	11/05	D	NDR-1 R Niedersachsen, Cuxhaven. Regional ID. Over Leicester!			good	T	JF
105.4	0913	11/05	D	NDR1NSA Cuxhaven 20kw			good	T	PT
105.5	0912	11/05	D	WDR Einslive, Teutoburger Wald. // 106.7 Prodigy track			fair	T	JF
105.6	0315	11/05	D	Delta R, Flensburg. Pop music // 104.8	D3C9	_delta__	fair	T	JF
105.6	0745	11/05	D	Delta Radio, Flensburg. Metallica mx			fair	T	TB
105.6	reg	16/05	G	Kick FM, Newbury. New ILR - tests started today.	C699	KICK_FM_	good	G	IK
105.7	0733	11/05	D	Hit R Antenne, Steinkimmen. Pop music, ID			good	T	JF
105.7	0751	11/05	D	Hit R Antenne, Steinkimmen	D389	ANTENNE_	fair	T	TB
105.9	0734	11/05	D	Delta R, Kiel. Rock music // others			good	T	JF
105.9	0900	11/05	D	Delta Radio, Kiel			fair	T	TB
106.2	0736	11/05	D	R Nora, Bungsberg (250W!). ID in promo, then "R Nora, Oldies und evergreens"			fair	T	JF
106.2	0925	11/05	D	DLR Berlin, Bremehaven			poor	T	TB
106.3	0833	11/05	D	Hit R Antenne, Harz. Still with Rick Astley // 104.6			fair	T	JF
106.3	0931	11/05	D	Antenna Hit Radio, Torfhaus			poor	T	TB
106.4	0711	11/05	D	NDR-1, Neumunster. ID mentioning NDR-1 for the north. OM talking in German	OM D8E1	NDR_1_SH	fair	T	JF
106.4	0949	11/05	D	NDR-1, Neumunster			fair	T	TB
106.4	1228	29/05	G	Ridge FM, Abingdon (RSL). OB from outside Tesco			weak	G	IK
106.5	0337	11/05	DNK	R Viborg, Tastum. Adverts and competition offering a trip to Paris, then ID and pop music			weak	T	JF
106.7	0747	11/05	D	WDR Einslive, Langenberg. Einslive jingle heard. Pops			weak	T	JF
106.8	0749	11/05	D	R Alster, Hamburg. Superstars und Klassic Hits – Alster R"			fair	T	JF
106.9	0333	11/05	DNK	R Mojn, un-id site? ID by female clearly heard. Unlisted in my book. Pop music either side of ID			weak	T	JF
106.9	0342	11/05	DNK	R Limfjord, Redsted. ID jingle, pops "The Best Hits-Radio Limfjord"			weak	T	JF
107.1	0738	11/05	D	DLF, Bremen	D210		good	T	TB
107.1	1915	11/05	D	DLF, Heringsdorf 500w	D210		fair	T	PT
107.4	0736	11/05	D	Delta R, Kaltenkirchen. Rocking over Chesterfield!	D3E9		v good	T	JF
107.4	reg	17/05	G	Kick FM, Hungerford. New ILR - tests started today // 105.6, RDS could only be resolved whilst driving towards Andover	RDS C699	KICK_FM_	weak	G	IK
107.7	0712	11/05	D	DLR Berlin, Cuxhaven. German OM. Educational prog?	D220	D-RADIO_	fair	T	JF
107.7	0900	11/05	D	DLR Berlin ID At 09.00 Cuxhaven 20kw			fair	T	PT
107.7	0902	11/05	D	DLF-Berlin, Cuxhaven			fair	T	TB
107.8	0735	11/05	D	DLR Berlin, Neumunster (100W!). YL talking // 107.7			good	T	JF

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

FREQ	TIME	DATE	ITU	STATION	RDS CODE	SIGNAL	M	RP	
52.8	0830	27/05	I	R.Ascolto, unid site	5EDE	excellent	E	TB	
53.0	0850	27/05	I	R.103, unid site	5E77	good	E	TB	
53.76	1010	01/06	NOR	BBC R5 Live (pres an accidental satellite feed)			E	TB	
54.9	0830	27/05	I	R.Ascolto, unid site	5EDE	excellent	E	TB	
56.6	0847	27/05	I	Onda Ligure, Genoa.	5E53	excellent	E	TB	
56.6	0901	27/05	I	R Ligure? Ads in Italian. RDSS id = __igda__ RX display =	__Ligura	fair	E	DS	
59.4	0845	27/05	I	R.Golfo FM103.4, Arenzano	5F7D	excellent	E	TB	
59.4	1913	31/05	I	Unid. 5F7D	GOLERIA_ 10mpfo__	FM_ZUR__ .Goler__	fair	E	DS
59.48	1108	20/05	I	RAI-1 (TV Sound)		excellent	E	TB	
59.5	1056	20/05	I	RAI-1 (TV Sound)		excellent	E	TB	
61.2	1245	27/05	I	R Pop Zero? Unid site.	5365	R.P.ZERO	fair	E	DS
61.7	1244	27/05	I	R Ricordie. Jigle & Italian music			E	DS	
66.14	1629	27/05	HNG	Kossuth. Komadi. T/S and ID			E	DS	
66.29	1633	27/05	HNG	Kossuth. Szentes. Also at 1827z with ID R Studio Petula, and possible PI code of 03AD but no PS name.			E	DS	
66.5	0650	28/05	BUL	Br 2 (Tent). Sofia. Childrens PX		good	E	DS	
67.4	1700	27/05	HNG	Kossuth. Budapest. YL with ID			E	DS	
67.58	1831	28/05	RUS	Moscow 1 (presumably). Usual int sig of chimes, ID and news.		fair	E	DS	
68.36	1613	27/05	HNG	Bartok. Nagykanizsa. News			E	DS	
68.44	1712	27/05	ROU	RR 2. Resita. OM & Music			E	DS	
68.48	1611	27/05	HNG	Bartok. Miskolc. News			E	DS	
69.1	1900	28/05	RUS	R Belorussiya. ID & YL with news. //68.6. Lots of Russian stations including 67.94, 67.64 & 68.39.		fair	E	DS	
71.03	1835	27/05	HNG	Kossuth. Nagykanizsa. Fold music			E	DS	
87.5	1733	31/05	?	UNID. "Radio BK/Bikkay" ID? Pop music. East European		weak	E	JF	
87.5	1538	22/05	E	Unid mono local?		fair	E	TB	
87.5	0625	27/05	E	R Dimensione Suono. Perugia Province. Pop	DIMSUONO		E	DS	

87.5	1548	31/05	E	UNID Spanish station. OM talking				v weak	E	JF
87.5	1601	16/05	I	R Dimensione Suono, Messina or Perugia. YL with news	5264			weak	E	JF
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	RADICALE		good	E	TB
87.5	1301	27/05	I	Radio Radicale OM talk	5210	RADIO_*_	RADICALE	fair	E	MH
87.5	1646	27/05	I	R Italia, many sites. Italian OM	5220			poor	E	IK
87.5	1940	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
87.5	0838	28/05	I	R Italia, unid site. OM adverts, pop music	5220	R_ITALIA		fair	E	JF
87.5	0853	28/05	I	R Italia, site? Ballad	5220	R_ITALIA		good	E	IK
87.5	0705	29/05	I	R DeeJay, site? Phil Collins' "Sussudio"	5214	_DEEJAY_		good	E	IK
87.5	0911	30/05	I	R Italia, many sites. Ads	5220			good	E	IK
87.5	1200	31/05	I	RDS R.Dimensione Suono, 2 listed	5264	DIMSUONO		v.strong	E	PT
87.5	1541	31/05	I	Radio Jamaica, yl in talk, vocal id				good	E	PL
87.5	1619	31/05	I	Capital radio, ads, via?		CAPITAL_		good	E	PL
87.55	2202	26/05	I	Radio Maria, religion via,				fair	E	PL
87.55	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 ??				good	E	MH
87.6	1920	28/05	?	un-id // 87.75 88.0 classical music (no RDS) R Bis, Poland ??				fair	E	MH
87.6	1908	30/05	?	un-id beaming SE OM ? lang with programme credits				fair	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	1020	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 Abba, YL time ck + ID RT: 'RADIO IMPULS - CESKA MUZIKA KTERA VAS CHYTI	2203	_IMPULS_		good	E	MH
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	2016	28/05	CZE	R Impuls, Brno	2203	_IMPULS_		v.strong	E	PT
87.6	2107	28/05	CZE	R.Impuls, Brno	2203	_IMPULS_		good	E	JK
87.6	1102	30/05	CZE	R Impuls, Brno	2203	_IMPULS_		fair	E	MH
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_		good	E	PL
87.6	1704	31/05	CZE	R Impuls, Brno		_IMPULS_		good	E	PT
87.6	1426	14/05	D	BR4, Dillberg, Classics		BAYERN_4		good	E	PL
87.6	1853	30/05	D	Bayern 4, Dillberg, classics.		BAYERN_4		good	E	PL
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 I.D.				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			v 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		fair	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 OMs talk AF: 88.2 88.8 89.4 99.6	E2CE	CAD-CIEN	CORDOBA_	good	E	MH
87.6	1158	27/05	E	Ondacero Plascencia, vocal id.				fair	E	PL
87.6	1209	27/05	E	Ondacero id sounded like Caterena or Cartagena				fair	E	PL
87.6	1248	27/05	E	Catalunya Informacio, 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 ?	E234	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, Córdoba	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 Cat 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

87.6	1535	31/05	E	Cadena Cien, Cordoba. Pop programme, commercials	E2CE	CAD-CIEN	fair	E	JF			
87.6	1753	31/05	E	40 Principales, Orense, vocal id.			fair	E	PL			
87.6	1950	31/05	E	RNE-1, Avila, OM in talk,		RNE_1___	good	E	PL			
87.6	1639	02/06	E	RNE-1, Discussion show	E211	RNE_1___	fair	E	JF			
87.6	1014	31/05	F	Skyrock, Castres, YL on phone		SKYROCK_	good	E	PL			
87.6	1022	31/05	F	R Orion, Bergerac, folk mx.		ORION___	good	E	PL			
87.6	1309	27/05	HNG	Slager R, Gyor songs, ID RT: 'A 60-AS, 70-ES _VEK LEGNAGYOBB SLAGEREI _JJEL-NAPPAL. 23/0507-400'	B206	_SLAGER_	good	E	MH			
87.6	1700	27/05	HNG	Slager R, Gyor OM news	B206	_SLAGER_	good	E	MH			
87.6	1707	27/05	HNG	Slager R, Gyor. pop.			good	E	PL			
87.6	1731	27/05	HNG	Slager R, Gyor	B206	_SLAGER_	strong	E	PT			
87.6	1742	27/05	HNG	Slager R, Györ. Rock 'n' roll	B206		good	E	IK			
87.6	2130	28/05	HNG	Slager R, Gyor	B206	_SLAGER_	v.good	E	JK			
87.6	1032	30/05	HNG	Slager R, Gyor	B206	_SLAGER_	good	E	MH			
87.6	1101	30/05	HNG	Slager R, Gyor. ID by OM, news			fair	E	JF			
87.6	1703	31/05	HNG	Slager R, Gyor	B206		brief	E	MH			
87.6	1927	27/05	HRV	HR-2, Ugljan (5KW)		HRT-HR2_	excellent	E	TB			
87.6	0333	29/05	HRV	HR-2	6342	HRT-HR_2	fair	E	MH			
87.6	1543	16/05	I	RAI-1, Monte Cavo (RM). RT: 'RAI RADIOTELEVISIONE ITALIANA NUOVI SERVIZI RDS-EON-TMC'	5201	RAI_MF1_	good	E	MH			
87.6	1600	16/05	I	R Dimensione Suono, Brescia or Lucca. YL with news	5264	*_RDS_*_ DIMSUONO	fair	E	JF			
87.6	0249	25/05	I	RAI-1, Monte Cavo (RM)	5201	I_MF1_	brief	E	MH			
87.6	0637	27/05	I	R Dim Suono. Brescia Provence. Pop PX		DIMSUONO		E	DS			
87.6	0754	27/05	I	RAI 1, Monte Cavo, Roma, om in talk.		RAI_MF1_	v good	E	PL			
87.6	0902	27/05	I	Dim Suono, News, via?.		DIMSUONO	good	E	PL			
87.6	1835	27/05	I	R.Mar ? (R.Maria has a PI of 51CC)	51CC	RADIOMAR	v.good	E	PT			
87.6	1854	27/05	I	Easy network , awful pop song!, via		E_A_S_Y_	good	E	PL			
87.6	1858	27/05	I	R.Italia Anni "60", Parma		ANNI_60_	strong	E	PT			
87.6	1907	27/05	I	R Italia. Bari. Italian pop		R_ITALIA		E	DS			
87.6	1930	27/05	I	Nova Radio Easy Network, Padova/Treviso		E_A_S_Y_	excellent	E	TB			
87.6	1938	27/05	I	R Maria, religion.		R_MARIA_	good	E	PL			
87.6	1942	27/05	I	Nova Radio Easy Network, Padova/Treviso	5361	E_A_S_Y_	good	E	JK			
87.6	1958	27/05	I	R Dim Suono. Brescia		*_RDS_*_		E	DS			
87.6	0704	28/05	I	Radiosa, Matera 5446		_RADIO___ LIVE_SU_	RADIOSA_ INTERNET	*SEMPRE* CON_HSH_	*CON_TE* _GRANDI_	good	E	MH
87.6	0810	28/05	I	RAI-1, Monte Cavo	5201	RAI_MF1_	strong	E	PT			
87.6	0831	28/05	I	RAI-1, Monte Cavo (RM)	5201	RAI_MF1_	good	E	MH			
87.6	0839	28/05	I	RAI-1, Monte Cavo. Talk	5201	RAI_MF1_	good	E	IK			
87.6	0850	28/05	I	RAI-1, Monte Cavo. OM, Italian music	5201	RAI_MF1_	fair	E	JF			
87.6	0907	28/05	I	RAI-1, Monte Cavo.		RAI_MF1_	brief	E	PB			
87.6	0919	28/05	I	Italia R	5233	ITALIA_R	fair	E	MH			
87.6	0925	28/05	I	R Dimensione Suono RT: 'ASCOLTA E VINCI CON RDS,CHIAMA I RT: 'RDS L'UNICA CON IL 100X100 DI GRANDI SUCCESSI	5264	*_RDS_*_ DIMSUONO	good	E	MH			
87.6	1052	28/05	I	RAI-1, Monte Cavo (RM)	5201	RAI_MF1_	good	E	MH			
87.6	1100	28/05	I	R Dimensione Suono 5264		*_RDS_*_	DIMSUONO	good	E	MH		
87.6	0440	29/05	I	RAI-1, Monte Cavo (RM) dominant until 0552	5201	RAI_MF1_	good	E	MH			
87.6	0459	29/05	I	R Dimensione Suono	5264		brief	E	MH			
87.6	0506	29/05	I	Italia R	5233		brief	E	MH			
87.6	0553	29/05	I	R Dimensione Suono RT: 'RDS L'UNICA CON IL 100X100 DI GRANDI SUCCESSI ' RT: '50% MUSICA ITALIANA 50%MUSICA INTERNAZIONALE100%GRANDI SUCCESSI ' RT: 'UNA CANZONE PER TE 06-3725797 RICHIEDI IL TUO BRANO PREFERITO ' RT: 'RDS NEWS OGNI ORA L'INFORMAZIONE PIU'COMPLETA SOLO SU RDS ' RT: 'ASCOLTA E VINCI CON RDS,CHIAMA IL NUMERO VERDE E VINCI CON RDS '	5264	*_RDS_*_ DIMSUONO	good	E	MH			
87.6	0624	29/05	I	Italia Network	5241		poor	E	MH			
87.6	0900	30/05	I	UnID. Radiosa, Matera? Assumed from PI code only	5446		good	E	IK			
87.6	1049	30/05	I	Radiosa, Matera	5446		fair	E	MH			
87.6	1838	30/05	I	Italia R	5233	ITALIA_R	fair	E	MH			
87.6	1848	30/05	I	Radiosa, Matera	5446		fair	E	MH			
87.6	1852	30/05	I	RAI-1, Monte Cavo (RM)	5201	RAI_MF1_	good	E	MH			
87.6	1858	30/05	I	RAI-1, Monte Cavo. Talk		RAI_MF1_	good	E	IK			
87.6	0937	31/05	I	CNR Milan, pop song.		*_CNR_*_	good	E	PL			
87.6	1657	31/05	I	Nova R Easy Network, Treviso. Love Unlimited Orchestra!	5361	E_A_S_Y_	good	E	JF			
87.6	1835	31/05	I	RAI 1. Mt Cavo.		RAI-MF1_		E	DS			
87.6	1939	31/05	I	RAI-1. Monte Cavo (RM) talk	5201	RAI_MF1_	fair	E	MH			
87.6	2205	26/05	MRC	RTM OM in Arabic (no RDS)			fair	E	MH			
87.6	1208	27/05	MRC	RTM-A, via?, om in Arabic.			fair	E	PL			
87.6	1255	29/05	MRC	RTM. Rabat. Arabic service. Arabic music & OM			clear	E	DS			
87.6	1640	29/05	MRC	RTM-Arabic Network, Rabat		MOROCCO	v.strong	E	PT			

87.6	1900	29/05	MRC	RTM-A, Rabat. ID tune on flute. Arabic.			good	E	IK
87.6	1205	31/05	NOR	NRK-1, Nordhue. YL talk		_NRK_P1_	good	E	IK
87.6	1700	31/05	NOR	NRK-1, Hamar, om in talk.		_NRK_P1_	good	E	PL
87.6	1700	31/05	NOR	NRK Hedmark, Elverum area, full R.T. on dipole!.		NRK_HEDM	good	E	PL
87.6	1531	27/05	POL	PR-Krakow, Krakow	3703		excellent	E	TB
87.6	1550	27/05	POL	PR Krakow, Rabka. Simply Red music, jingle ID	3703	PRKRAKOW	good	E	IK
87.6	1857	28/05	POL	PR Krakow music RT: 'Radio Krakow pozdrawia swoich sluchaczy AF: 100.0 100.6	3703	PRKRAKOW _Rabka_ _21:09_ 00:05:28	fair	E	MH
87.6	1900	28/05	POL	PR-Krakow, Krakow	3703	KRAKOW_	strong	E	PT
87.6	1957	28/05	POL	PR Krakow music	3703	PRKRAKOW _21:57_ 00:05:28	good	E	MH
87.6	2049	28/05	POL	PR-Krakow, Krakow	3703	KRAKOW_	good	E	JK
87.6	1121	30/05	POL	PR, Krakow	3703	PRKRAKOW _Rabka_ _12:25_ 00:05:30	good	E	MH
87.6	1950	30/05	POL	Polskie Radio, Krakow, om in talk.		PRKRAKOW	good	E	PL
87.6	1431	22/05	POR	un-id OM talk in PT			fair	E	MH
87.6	1440	26/05	POR	Sexial FM, Sexial	8042	SEXIALFM	v.strong	E	PT
87.6	1213	28/05	POR	Seixal FM OM news report	8042	SEIXALFM	fair	E	MH
87.6	1522	29/05	POR	Seixal FM, Seixal. OM ballad	8042	SEIXALFM	fair	E	IK
87.6	1604	29/05	POR	Sexial FM, Sexial	8042	SEXIALFM	good	E	PT
87.6	1606	29/05	POR	Seixal FM. Seixal. OM & YL		SEIXALFM	poor	E	DS
87.6	1705	30/05	S	SR-1	E201	-SR_P1_-	good	E	MH
87.6	1842	30/05	S	SR-1, several sites. Outdoor broadcast? YL interviewing	E201	-SR_P1_-	fair	E	JF
87.6	1843	30/05	S	SR P1. Many listed.		-SR-P1-	clear	E	DS
87.6	1205	31/05	S	SR-1, several sites. YL talking	E201	-SR_P1_-	fair	E	JF
87.6	1636	31/05	S	SR P1, Hudiksvall, talk		_SR_P1_	good	E	PL
87.6	1705	31/05	SVN	R Lendara. Pomursky Madzarsky.		??MMR_A_	qrm	E	DS
87.6	1740	18/05	TUN	ERTT, Zarzis. OMs talking, music	7202	INTER_	fair	E	MH
87.6	1305	22/05	TUN	ERTT, Zarzis. YL talk and music	7202	INTER_	fair	E	MH
87.6	0657	28/05	TUN	ERTT, Zarzis	7202	INTER_	good	E	MH
87.6	0756	28/05	TUN	ERTT, Zarzis	7202	INTER_	good	E	MH
87.6	0931	28/05	TUN	ERTT, Zarzis	7202	INTER_	good	E	MH
87.6	0932	28/05	TUN	ERTT, Zarzis.		INTER_	fair	E	PB
87.6	1000	28/05	TUN	ERTT, Zarzis	7202	INTER_	good	E	MH
87.6	0602	29/05	TUN	ERTT, Zarzis dominant until 0710	7202	INTER_	fair	E	MH
87.6	0700	29/05	TUN	ERTT Arabic Service, Zarzis. YL talk	7202	INTER_	excellent	E	IK
87.6	0826	30/05	TUN	ERTT, Zarzis	7202	INTER_	good	E	MH
87.6	1507	31/05	TUN	ERTT, Zarzis alone on channel til 1700	7202	INTER_	good	E	MH
87.65	1922	31/05	I	Italia Network (TP) pop	5241	*ITALIA_	fair	E	MH
87.7	1949	27/05	?	UNID. Vocals.	E251	RA??????		E	DS
87.7	2008	28/05	?	UnID. Language not known - mentioned "Budapesti"			weak	E	IK
87.7	1901	27/05	D	Bayern 1 OM reading news	D311		weak	E	MH
87.7	1504	22/05	E	Cadena Dial. Santander. Spanish vocals		CAD-DIAL		E	DS
87.7	1521	22/05	E	Unid	E036		good	E	TB
87.7	1439	26/05	E	Onda Musica, Jerez			good	E	TB
87.7	1508	26/05	E	Cad Dial, Santander	E274	CAD-DIAL	excellent	E	TB
87.7	2121	26/05	E	Unid	E251		fair	E	TB
87.7	1204	27/05	E	Europe FM, (listed as 87.7 in Madrid)			good	E	TB
87.7	1500	29/05	E	Onda Melodia, Jerez de la Frontera. ID by OM, pops			fair	E	JF
87.7	1755	31/05	E	Cadena Dial, Sevilla. Latin music	E274	CAD-DIAL	fair	E	JF
87.7	1758	31/05	E	Europa FM. Unid site. ID & news			weak	E	DS
87.7	1438	02/06	E	Onda Cero R, Cordoba. ID, music			fair	E	JF
87.7	0730	27/05	F	Fun Radio. Bourges. Sung jingle				E	DS
87.7	0735	27/05	F	Rire et Chansons, Nice	F226	_RIRE_	good	E	JK
87.7	1012	31/05	F	Europe 1, Figeac, yl in talk.		EUROPE_1	good	E	PL
87.7	1924	31/05	F	Rire & Chansons, Nice or Antibes. Comedy	F226		fair	E	JF
87.7	1958	30/05	FNL	YLE, Eurajoki, classics.		YLENYKSI	good	E	PL
87.7	1156	31/05	FNL	YLE-1, Eurojoki? 2 others listed also. Operatic howling	6201	YLENYKSI	good	E	JF
87.7	1247	27/05	HRV	HR-1, Licka Pljesivica	6341	HRT-HR-1	good	E	TB
87.7	1701	31/05	HRV	HRT-1, Pljesivica. News	6341	HRT-HR_1		E	JF
87.7	1317	22/05	I	Mondo R Network, Oristano. Pop music & ID			weak	E	JF
87.7	1334	22/05	I	Mondo Radio Network, Sassari	56C7	MONDORAD	good	E	TB
87.7	0653	27/05	I	R.Italia Solo Musica It, Reggio Emilia			poor	E	TB
87.7	0805	27/05	I	Mondo R, Oristano. Italian pop music	56C7	MONDORAD	fair	E	JF
87.7	0834	27/05	I	Mondo R Network. Oristo. A quick burst!		MONDORAD	brief	E	DS
87.7	0759	28/05	I	RAI-1, Punta Bore Tesino + low power relays	5201	RAI_MF1_	good	E	TB
87.7	0845	30/05	I	UnID "R Capitale". This is how the ID sounded			fair	E	IK

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.			excellent	E	IK
87.7	1418	22/05	POR	RDP-1, Mendro. Portuguese OM talking	8201		good	E	JF
87.7	1420	22/05	POR	RDP 1. Mendro. 2OM		ANTENA_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		ANTENA_1	good	E	DS
87.7	1831	29/05	POR	RDP-1, Mendro talk	8201	ANTENA_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	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/ yl talk			fair	E	PL
87.7	1705	27/05	YUG	R.Nova Sad-1, Iriski 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	I	Italian TV audio. Film, mono.			fair	E	JF
87.75	1530	27/05	POL	un-id // 87.6 classical music (no RDS)			good	E	MH
87.75	1832	27/05	POL	tv sound ?? woman in crowd, adverts (no RDS)			good	E	MH
87.75	1859	28/05	POL	un-id // 88.0 classical music (no RDS)			fair	E	MH
87.8	1400+	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		E	DS
87.8	1431	22/05	E	Cadena Cien, Vigo disco mx, OM, ads, jingle AF: 88.4 89.6 92.4	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	1509	22/05	E	SER.1, Villena	E239		excellent	E	TB
87.8	1506	26/05	E	Cadena Cien, Vigo. 2 OM's talking	CAD-CIEN	__VIGO__	good	E	JF
87.8	1200	27/05	E	SER 1. 2 Listed. ID & News				E	DS
87.8	1203	29/05	E	SER. 2 Listed. News		__SER__	good	E	DS
87.8	1858	29/05	E	RNE-3, Baza (Granada). Club song by Moby	E213		fair	E	JF
87.8	1420	02/06	E	SER R Villena, Alicante. ID. Lively format, pops		__SER__	v good	E	JF
87.8	1150	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	0828	28/05	I	R Latmiele, Castelmaggiore (BO). Ballad (AF: 96.7, 102.9)	5355	LATMIELE	fair	E	IK
87.8	1457	26/05	POR	un-id adverts, pips, news	809C	RO	fair	E	MH
87.8	1802	27/05	SVN	R.Fantasy, Celje-Svetina	62F4	C?????A?	good	E	JK
87.8	1926	27/05	SVN	VAL-202	63A2	VAL_202_	good	E	JK
87.8	1739	29/05	TUN	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
87.9	1302	27/05	AUT	Oe-3 (multi tx) OM talk in German			weak	E	MH
87.9	1412	22/05	E	SER, Moron-de-la-Frontera	E239		excellent	E	TB
87.9	1414	22/05	E	Cadena Cien Pamplona or unlisted SER? OM/YL		__SER__	good	E	DS
87.9	1501	22/05	E	SER, Moron de la Frontera?. YL talking, probably news	E239	__SER__	fair	E	JF
87.9	1501	22/05	E	R.Eusikadi, Tolosa, Euskadi	E302	EUSKADIZ	excellent	E	TB
87.9	1545	22/05	E	Cadena 100, Pamplona, dance mx.		CAD-CIEN	good	E	PL
87.9	2120	26/05	E	CAD CIEN, Pamplona	E2CE	CAD-CIEN	excellent	E	TB
87.9	2122	26/05	E	RNE-4 talk	E314	RNE-4__	fair	E	MH
87.9	1121	28/05	E	SER, om in talk via?.		__SER__	good	E	PL
87.9	1141	28/05	E	SER song AF: 103.2	E239	__SER__	fair	E	MH
87.9	1145	28/05	E	SER, Moron-de-la-Frontera	E239		good	E	PT
87.9	1241	28/05	E	RNE4, Alpicat, Catalunya, om in talk		RNE_4__	good	E	PL
87.9	1620	29/05	E	RNE--4, Catalunya, Alpicat	E314		good	E	JK
87.9	1638	29/05	E	SER. Moron Fronteira. Ads		__SER__		E	DS
87.9	1639	02/06	E	SER R Moron, Moron. Adverts	E239	__SER__	fair	E	JF
87.9	0745	27/05	F	Europe-1, St-Raphael		EUROPE_1	v.good	E	JK
87.9	0805	27/05	F	France Culture, Parthenay. Opera		__CULTURE	fair	E	JF
87.9	0617	29/05	F	RF-Culture, lots of sites listed	F202	CULTURE_	good	E	PT
87.9	1746	31/05	F	France Culture. Porto Vecchio. OM & YL		CULTURE	qsb	E	DS

87.9	1749	31/05	F	France Culture, Parthenay. Nostalgic music	F202	_CULTURE	fair	E	JF
87.9	1749	31/05	F	RF-Culture, lots of sites listed	F202	CULTURE_	v.good	E	PT
87.9	1721	30/05	FNL	YLE-1, Posio or Naatamo. Opera	6201	YLENYKSI	fair	E	JF
87.9	0638	27/05	I	R Maria. Como. Religious PX.		R.MARIA_		E	DS
87.9	0704	27/05	I	R.Margherita-CNR , Palermo	5270		fair	E	TB
87.9	0834	27/05	I	R DeeJay. Roma		DEEJAY__		E	DS
87.9	1620	27/05	I	R Camaldoli Stereo (NA) pop, dead air, more pop	5045		good	E	MH
				28_Mag00 Sa_17:32 **_IL_** GRANDE+* *POTERE*					
				**DELLA* *MUSICA* THE*BEST *_RADIO* CAMALDLI					
				STEREO FM87.900 FM88.600 POWERKIT *R.C.S.*					
				NETWORK. TEL*166/ 16-74-96 *PER_LO* *_SPOT*_					
				TELEFONA 8834700* *SE_HAI* PROBLEMI *_AMORE*					
				SALUTE *AFFARI* *CHIAMA* GENNARO_ D'AURIA_					
				SENSITIV MAESTRO_ DI_VITA* CONOSCE* *TUTTI_I					
				SEGRETI* DI_MAGIA *FILTRI* D'AMORE* +ANTIBAS					
				CHE_TI PROTEGGE DA_OGNI* **MALE** **_PER_*					
				CONTATTI 8834700* 8834483* **0360** 28-59-25					
87.9	1637	27/05	I	R Comaldi Stereo. Napoli. OM info & ID, Italian vocals		**MALE**		E	DS
87.9	0854	28/05	I	R Camaldoli Stereo, Napoli. Italian pop music	5045		v good	E	JF
87.9	0858	28/05	I	R.Camaldoli Stereo, Napoli (listed on 87.95)	5045	*STEREO*	v.strong	E	PT
87.9	0859	28/05	I	RAI-1, 5 listed	5201	RAI_MF1_	strong	E	PT
87.9	0555	29/05	I	R.Margherita-CNR , Palermo	5270		v.good	E	JK
87.9	1759	31/05	I	R Margarita. Palermo. ID & ads			poor	E	DS
87.9	1248	29/05	MRC	RTM. Rabat. French sce. OM & phone conversation			fair	E	DS
87.9	1419	22/05	POR	RDP-1, Lousa. Portuguese OM talking // 87.7			fair	E	JF
87.9	1456	26/05	POR	RDP-1, Lousa. OM in Portuguese // 87.7			fair	E	JF
87.9	1603	29/05	POR	RDP-1, Lousa	8201	ANTENA_1	v.good	E	JK
87.9	1607	29/05	POR	RDP-1, Lousa. Portuguese vocals		ANTENA_1	fair	E	DS
87.9	1207	31/05	S	SR-1, 3 sites. OM talking // 88.1. This channel weak and fluttery!			weak	E	JF
87.9	1916	27/05	SVN	R Capris, Poljane	08F0	_CAPRIS_	good	E	JK
87.9	1920	27/05	SVN	R Capris, Poljane	08F0	_CAPRIS_	v.strong	E	PT
87.9	1709	31/05	SVN	R Capris, Poljane. Local pop music	08F0		fair	E	JF
88.0	1412	14/05	D	Saarlandischer RF 1, Gottleborner H., talk		__SR_1__	good	E	PL
88.0	1836	27/05	D	Bayern 4. Gelbsee. Om with talks		BAYERN_4		E	DS
88.0	1413	22/05	E	RNE5, Mijas, talk.		RNE_5__	good	E	PL
88.0	1424	22/05	E	RNE-5, Mijas. ID by OM, time check then news talk	E615	RNE_5__	fair	E	JF
88.0	1425	22/05	E	RNE 5. Palencia (likely). ID & YL with info		RNE_5__	fair	E	DS
88.0	1540	22/05	E	RNERVION E343			v good	E	PT
88.0	1440	26/05	E	SER, Terracon	E239		excellent	E	TB
88.0	1445	26/05	E	RNE-5, Malaga or Palencia	E615		v.strong	E	PT
88.0	2115	26/05	E	SER, Tarancon talk	E239		fair	E	MH
88.0	2149	26/05	E	SER Tarancon talk	E239	ON __SER__	good	E	MH
				AF: 105.4		TARANCON			
88.0	1234	27/05	E	SER, Tarancon, om in talk	__SER__	TARANCON	good	E	PL
88.0	1555	27/05	E	R.Gaga, ??	E016	R.GAGA__	excellent	E	TB
88.0	1142	28/05	E	RNE-5 YL talk	E615	RNE_5__	fair	E	MH
88.0	1201	28/05	E	RNE-5, Mijas, Malaga.	E615		poor	E	IK
88.0	1221	28/05	E	RNE-5, Malaga or Palencia	E615		v.strong	E	PT
88.0	1401	29/05	E	R Nervion Bilbao, pop mx,ads.	RNERVION	_MUSICA_	v good	E	PL
88.0	1838	29/05	E	RNE-5, Mijas, Malaga. OM talk.	E615	RNE_5__	fair	E	IK
88.0	1848	29/05	E	RNE-5	E615	RNE_5__	fair	E	MH
88.0	1640	31/05	E	RNE-5, Malaga or Palencia	E215		v.good	E	PT
88.0	0742	27/05	F	RF-Musique, Ajaccio	F203	MUSIQUES	excellent	E	TB
88.0	0755	27/05	F	France Musique. Ajaccio. OM/YL with discussion		MUSIQUES	good	E	DS
88.0	0830	27/05	F	RF-Musique, Ajaccio	F203	MUSIQUES	excellent	E	JK
88.0	0652	29/05	F	France Musiques, Ajaccio. OM talk		MUSIQUES	poor	E	IK
88.0	1024	31/05	F	Cherie FM, Villefranche sur saone, pop		CHERIEFM	good	E	PL
88.0	1724	31/05	F	France Musiques, Ajaccio	F203	MUSIQUES	fair	E	MH
88.0	1747	31/05	F	RF-Musique, Ajaccio	F203	MUSIQUES	v.good	E	PT
88.0	1910	31/05	F	France Culture, (Alencon?)	F202	_CULTURE	fair	E	MH
88.0	1911	31/05	F	France Musique, Ajaccio. YL	F203	MUSIQUES		E	JF
88.0	1853	30/05	FNL	YLE-1, Probably Joutseno. YL talking, guitar plucking	6201	YLENYKSI	good	E	JF
88.0	1923	27/05	HRV	HRT 1. Prezid. Vocals		HRT-HR_1		E	DS
88.0	1834	27/05	I	(pres Radio 105) rock/pop	5211		poor	E	MH
88.0	1842	27/05	I	R Maria music, YL talk	51CC	R.MARIA_	good	E	MH
88.0	1714	31/05	I	Radio 105, site? pop	5211	._105__.	fair	E	MH
88.0	1725	31/05	I	R Maria	51CC	R.MARIA_	fair	E	MH
88.0	1732	31/05	I	un-id	56A6		fair	E	MH
88.0	1827	31/05	I	One O One Network (FR)	5215		fair	E	MH

88.0	1835	31/05	I	R DeeJay	5214		brief	E	MH
88.0	1851	31/05	I	101 Network, Frosinone. OM phone in	5215	ONEoONE_	fair	E	JF
88.0	1902	28/05	LTU	R.Lithuania Int'l in English				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				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	OCIDENTE	excellent	E	TB
88.0	1722	30/05	S	Stockholm Neerradio 1, Stockholm. 160 watts OM talk	E032	STO-NR-1	good	E	JF
88.0	1853	30/05	S	YLE 1. Youtseno. Folk music & YL		YLENYSKI	good	E	DS
88.0	1250	27/05	SVN	RS-1, Krim	63A1		excellent	E	TB
88.0	1252	27/05	SVN	R Slovenia 1, Krim. Eastern Euro music	63A1	_SLO_1__	fair	E	JF
88.0	1837	27/05	SVN	RS-1, Krim	63A1		v.good	E	PT
88.0	1924	27/05	SVN	SLO 1. Ljubljana (Krim). Vocals		_SLO_1__		E	DS
88.0	1701	31/05	SVN	R Slovenia 1, Krim. News	63A1	_SLO_1__	fair	E	JF
88.0	1706	31/05	SVN	RS-1, Krim	63A1		v.good	E	PT
88.05	1852	31/05	I	R Capitale. 6 listed. 2 OM		CAPITAL_		E	DS
88.1	1853	27/05	CZE	R Sljeme. Sljeme. Vocals		R-SLJEME		E	DS
88.1	1044	28/05	E	Formula-1,	E331	FORMULA1	excellent	E	TB
88.1	1205	29/05	E	RNE 2, Clasica. Arguis.		RNE-CLAS		E	DS
88.1	1257	29/05	E	Formula-1,	E331	FORMULA1	v.good	E	PT
88.1	1553	29/05	E	Formula 1. Unid site. Spanish vocals.	E331	Formula1	good	E	DS
88.1	1644	31/05	E	Formula 1. Unid site. 2 OM		Formula1	qrm	E	DS
88.1	0754	27/05	F	Europe 2. Many listed. EG Pop		EUROPE_2	good	E	DS
88.1	1255	27/05	HRV	R Sljeme, Sljeme. Local music	6049	R-SLJEME	fair	E	JF
88.1	1305	27/05	HRV	R.Sljeme.Sljeme	6049	S-SLJEME	fair	E	JK
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_		E	DS
88.1	2041	27/05	I	RAI, this is a new one to me!	5206	RAI-GRPR	v.good	E	JK
88.1	0808	28/05	I	RADIO 88 ??	5EFF	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-GRPR	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	51FF	BUM_BUM_	fair	E	JF
88.1	1424	22/05	POR	R Comercial, Monchique. OM talking		COMRCIAL	good	E	JF
88.1	1207	31/05	S	SR-1, 1 high power, several low power here. OM talking	E201	-SR_P1-_	fair	E	JF
88.2	1913	28/05	CZE	R.Evopa, 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	E212	RNE-CLAS	excellent	E	TB
88.2	1701	27/05	HNG	88.2 Balaton Radio, Siofok (50watts)	B020	BALA_2N_	v.good	E	JK
88.2	1337	22/05	I	Latte Miele, Cagliari (CA), Sardinia AF: 87.6 YL-OM talk	5355	LATMIELE	fair	E	MH
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_	good	E	JK
88.2	1127	27/05	I	R 24, unid site. OM talking	5245	RADIO_24	fair	E	JF
88.2	1220	27/05	I	Radio-24, not listed?	5245	RADIO_24	good	E	TB
88.2	1300	27/05	I	un-id OM/YL talk	5245	RADIO__	fair	E	MH
88.2	1829	27/05	I	Radio-24, not listed?	5245	RADIO_24	strong	E	PT
88.2	0850	28/05	I	Radio-24, not listed?	5245	RADIO_24	strong	E	PT
88.2	0902	28/05	I	R.Publica, not listed?			poor	E	TB
88.2	2049	31/05	I	un-id music	5EFF		fair	E	MH
88.2	1835	30/05	S	SR-P4, Tasjo (R.Vasterbotten)	E224	-SR_P4-_	v.good	E	PT
88.3	2125	28/05	CZE	R.Kiss Hady 88FM, Brno	20A0	KISSHADY	good	E	JK
88.3	1822	27/05	HRV	HRT-1, Vinkovci-Borinci	6341	HRT-HR_1	good	E	JK
88.3	0920	30/05	I	RETE 105 Network, Caserta. Presume dynamic PS name	5211	._105_.	good	E	IK
88.3	1850	30/05	NOR	NRK-1, Kopparen likely. David Bowie's "Let's Dance"	F201	_NRK_P1_	fair	E	IK
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	3232	R/MARYJA	v.strong	E	PT
88.4	1428	29/05	POR	RDP2, Guarda, folk mx.		ANTENA_2	good	E	PL
88.4	1650	31/05	S	SR P1, Bollnas, yl talking.		_SR_P1__	good	E	PL
88.5	1506	14/05	CZE	CR1, Trutnov, level 42 song.		_CR_1__	good	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, Valladlid	E2CE	CAD-CIEN	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	good	E	PL
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! music/operatic stuff	Film F203	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 Clube 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-Clas, Aitana, Valencia	E212	RNE-CLAS		good	E	TB
88.6	1302	28/05	E	RNE2, Clasica, 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	DI_MAGIA	*TNOSCI*			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.Radiale, Rome (listed on 88.65)	5210	RADICALE		v.strong	E	PT
88.6	2040	27/05	I	R.Radiale, Rome (listed on 88.65)	5210	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		fair	E	DS
88.6	1850	31/05	I	Camaldi Stereo. Torre Del Greco. Italian vocals.		SENOCSA*		poor	E	DS
88.6	1919	31/05	I	Mondo Radio Network, Sassari	56C7	MONDORAD		v.good	E	PT
88.6	1954	31/05	I	R Radicale. Roma. Talks		RADICALE			E	DS
88.6	2049	31/05	I	R Radicale (RM) talk	5210	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	27/05	TUN	ERTT-Youth Radio Station, Tunis, Bou-Kornine	7201	RD-JEUNE		v.good	E	JK
88.6	0920	28/05	TUN	R Jeunes, Bou-kornine.		RD-JEUNE		brief	E	PB
88.7	1747	27/05	D	Bayern-2, Grunten	D312	BAYERN_2		good	E	TB
88.7	1408	22/05	E	Onda Cero, Marbella	E2EE	ONDACERO		excellent	E	TB
88.7	1112	28/05	E	Onda Meridia				fair	E	TB
88.7	0729	27/05	F	NRJ, Ghisonaccia. French Pop		_NRJ_			E	DS
88.7	0730	27/05	F	NRJ, Ghisonaccia, 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 sce 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. Flute 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, Námestovo	5202	_DEVIN_		good	E	JK
88.75	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	Rádio Hviezda FM, Nitra	535F				E	TB
88.9	1637	22/05	E	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	Radiole, 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
89.0	1133	27/05	E	Caden Top R, Valencia (Presmed) Phone in		R_ESPANA			E	DS
89.0	1422	29/05	F	France 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.		_CR_1_		good	E	PL
89.1	1445	22/05	E	Cadena Cien. Badajoz. Ads		CAD-CIEN		qsb	E	DS
89.1	1242	25/05	E	40 Principales, vocal id, via		CAD-40_		fair	E	PL
89.1	1242	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.Dimsouno, 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 Clube 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	good	E	PL	
					645_2233					
89.3	1711	27/05	CZE	R Presston, Benesov. Folk music	2038	Presston	fair	E	IK	
89.3	2136	26/05	E	COPE OM talk, netw ID, adverts AF: 100.7 102.5	E2CA	___COPE___	good	E	MH	
						GUADALAJ				
89.3	1018	27/05	E	RNE-1	E211	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	RNE_5___	good	E	MH	
				RT: ' Radio 5, Todo Noticias de Radio Nacional de Espana * RNE 5 *						
89.3	1549	29/05	E	Cadena SER, site? OM talk, mentions of Catalunya	E239	___SER___	poor	E	IK	
89.3	1610	29/05	E	SER	E239	___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)			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	5389	R.FLASH+	30311238	good	E	MH
89.3	1925	28/05	POL	RMF FM, Koszalin. Mentions of "Polski"	3F44		fair	E	IK	
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 RT: ' ANTENA 2 - RADIO CLASSICA A Grande Musica e o resto.' AF: 93.9 88.4 104.2 89.3 88.4 92.9	8202	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	E331			E	JF	
89.5	1650	31/05	E	Formula 1. Unid site. Pop		Fomula1_		E	DS	
89.5	1703	27/05	HNG	Juventus R OM, song, adverts, 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.strong	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.strong	E	PT	
89.5	1952	31/05	I	R Flash, where? pop music	5E68	R*FLASH* flashrd@	30360630 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	brief	E	MH	
89.6	1608	27/05	CZE	AZ Radio YL and music RT: "SOBOTA 18-FORTE-NOVINKY CD *AZ RADIO 89,6 FM*RADIO PRO DOSPELE"	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!)			good	E	JF	
					E274					
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	PT	
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_F_M_	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_F_M_	good	E	DS	
89.6	0625	29/05	F	RFM, Ajaccio	F212	___R_F_M_	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_F_M_	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	

89.6	0856	28/05	I	Mondo Radio Radio Italia, Sassari	52DC		strong	E	PT
89.6	0456	29/05	I	RADIO ILONA??	5338		v. good	E	PT
89.6	1421	22/05	POR	RFM. S Miguel OM			poor	E	DS
89.6	1623	29/05	POR	R.FM, S.Miguel, Faro	8231		v.good	E	PT
89.6	1723	30/05	S	SR-Stockholm International, Stockholm. 900 watts. OM talking to OM	E035		fair	E	JF
89.6	2000	30/05	S	Sr P1, Nassjo, om in talk,		_SR_P1__	good	E	PL
89.6	0950	28/05	TUN	ERTT, Kasserine.		NATIONAL	fair	E	PB
89.6	0610	29/05	TUN	RTT National, Kasserine.	7201	NATIONAL	v.good	E	PT
89.6	1802	31/05	TUN	RTT National, Kasserine. Arabic music	7201	NATIONAL	fair	E	JF
89.6	1930	31/05	TUN	RTT National, Kasserine	7201		v.good	E	JK
89.7	2009	28/05	CZE	CRO-1, Radiozurnal, Krasne.	232F	_CR_1__	v.good	E	PT
89.7	2023	28/05	CZE	CRO-1, Radiozurnal, Krasne	232F	_CR_1__	good	E	JK
89.7	1824	31/05	CZE	CR1, Pardubice pop song.		_CR_1__	v good	E	PL
89.7	1625	22/05	E	Cadena Cien, om in talk, via		CAD-CIEN	good	E	PL
89.7	1140	27/05	E	Cadena Cien. Cordoba. EG pop		CAD-CIEN	good	E	DS
89.7	1141	27/05	E	CAD-CIEN Murcia	E2CE	CAD-CIEN	v.strong	E	PT
89.7	1218	28/05	E	Cad Cien Reus, phone in.		CAD_CIEN	good	E	PL
89.7	1419	28/05	E	Unid, yl with id " Antenna Boreal", pop			fair	E	PL
89.7	1424	28/05	E	RNE1, om in talk , several sites listed.		RNE_1__	fair	E	PL
89.7	1359	29/05	E	Euskadi 2, om in talk then news. via?			fair	E	PL
89.7	1411	29/05	E	Antena Aragon, latin mx, huge, via?	_ANTENA_	_ARAGON_	EX	E	PL
89.7	1622	29/05	E	Onda Cero R. Cordoba. ID & Ads			fair	E	DS
89.7	0738	31/05	F	France Musique, Metz, om in talk.		MUSIQUES	good	E	PL
89.7	1149	27/05	HRV	HR-1 (multi tx) America from film	6341	HRT-HR_1	good	E	MH
89.7	1250	27/05	HRV	HRT 1. 3 Listed. OM with ID		HRT_HR_1		E	DS
89.7	1311	27/05	HRV	HR-1 (multi tx) news	6341	HRT-HR_1	fair	E	MH
89.7	1735	27/05	I	R Dimensione Suono pop, adverts	5264	DIMSUONO	good	E	MH
89.7	1000	31/05	I	GRP Melody, Turin, pop.		_MELODY_	good	E	PL
89.7	1536	31/05	I	RAI MF1, vocal id, via?.			fair	E	PL
89.7	1612	31/05	I	Unid, Sardinia?, pop, SUCCESSI, *R.M.S*_		USICHIER	good	E	PL
89.8	1428	22/05	E	Los 40 Principales. Zamora. Spanish vocals.		CUARENTA	fair	E	DS
89.8	1602	22/05	E	Onda Rambla, Barcelona, ads.		_BCN__	v good	E	PL
89.8	1509	26/05	E	RNE 2 (Clasica). La Mancha. Opera		RNE-CLAS	good	E	DS
89.8	2141	26/05	E	RNE-2 blank carrier	E212	RNE-CLAS	good	E	MH
				AF: 89.8 98.8 103.9 92.8 90.0 93.6 93.0					
89.8	1224	27/05	E	RNE2, Radio Clasica, La Mancha, classics.		RNE-CLAS	good	E	PL
89.8	1143	28/05	E	COPE YL talk	E2CA	_COPE__	fair	E	MH
89.8	1606	29/05	E	Cope ststion, Andalucia. pop			fair	E	PL
89.8	1636	29/05	E	Cope. Antequera (likely). Ads				E	DS
89.8	1637	31/05	E	Cadena Cope. 2 listed		_COPE__		E	DS
89.8	1430	22/05	F	RFM, Toulon/ Hyeres, Dept 83. Pop mx.		_R_F_M_	v good	E	PL
89.8	1847	31/05	F	France Culture, Argenton, Talk on Armenian history.		_CULTURE	good	E	PL
89.8	0854	27/05	I	New Radio Network, pop, via		*N.R.N*_	good	E	PL
89.8	1628	27/05	I	New R Network pop	52FF	_NEW__	fair	E	MH
				RT: ' Automaz io , Vi Eu 5, 1100 Varese.'		_RADIO_			
				RT: 'tieseci 33 289164 289177. Messaggio Test RadioText.		NETWORK_			
						*N.R.N*_			
89.8	1849	31/05	I	New Radio Network. Napoli. Pop	*N.R.N*	NETWORK		E	DS
89.8	1626	29/05	MRC	RTM Meghrez. Arabic music			fair	E	DS
89.8	1950	29/05	MRC	RTMA, Meghrez, brief sigs, om in talk.			fair	E	PL
89.8	2000	30/05	NOR	NRK1, Kongsvinger, talk		_NRK_P1_	good	E	PL
89.9	1313	27/05	AUT	Oe-2 music, OM: Radio Wien (no RDS)			fair	E	MH
89.9	1708	27/05	AUT	R Wien. Vienna (Wien). Sport, ID, Beatles music			fair	E	DS
89.9	1759	27/05	AUT	Oe-2, R Wien Radio Wien Nachrichten (no RDS)			fair	E	MH
89.9	1800	31/05	AUT	Unid in Vienna, pop		_WIEN__	good	E	PL
89.9	1419	22/05	E	RNE-5, Gijon.		RNE_5__	good	E	PL
89.9	1900	31/05	F	Rire et Chansons, Montpellier, talk, good on dipole.		_RIRE__	good	E	PL
89.9	2101	27/05	I	Subasio, yl dj pop mx, via		SUBASIO_	good	E	PL
89.9	0812	28/05	I	R.Narosa (in mono) not listed!			excellent	E	TB
89.9	1715	31/05	I	RAI MF3, Monte Venda, fully quiet on dipole!.		RAI_MF3_	good	E	PL
89.9	2057	31/05	I	Radio Di Anna, pop, via?.		_DI_ANNA	good	E	PL
89.95	1954	31/05	I	un-id music	53AB	PANSNE	fair	E	MH
90.0	1827	27/05	?		6000	FO/\//\//	good	E	JK
90.0	1658	31/05	D	Bayern 5. Munchen. Traffic rpt.		B_5_AKT_	fair	E	DS
90.0	2004	30/05	DNK	DR P3, Bornholm, folk mx		DR_P3__	good	E	PL
90.0	1618	22/05	E	RNE5, om in talk, via		RNE_5__	v good	E	PL
90.0	1631	22/05	E	Cadena Cien, pop, via		CAD-CIEN	good	E	PL
90.0	1446	26/05	E	Cadena Cien, Salamanca music, OM	E2CE	SALA	fair	E	MH

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
					AF: 97.3 91.1 96.4 90.4 97.5 93.7 92.8					
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	1149	28/05	E	CAD--CIEN, Lugo		E2CE	CAD-CIEN	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	1819	29/05	E	RNE-5, Boal (Astorga)	listed. OM talking	E515		good	E	JF
90.0	1824	29/05	E	RNE 5. Valencia de la Concepcion.	YI with talks		RNE_5___		E	DS
90.0	2240	26/05	F	Skyrock, Marseille area,	rap mx.			fair	E	PL
90.0	0850	27/05	I	Radio Maria, church service,	via			fair	E	PL
90.0	1653	27/05	I	R Maria	OM/YL talk	51CC	R.MARIA_	fair	E	MH
90.0	1253	29/05	MRC	RTM. Cassablanca.	French sce. OM & Vocals			weak	E	DS
90.0	1654	22/05	POR	Unid, Portuguese pop	mx.		_R_B_A_	good	E	PL
90.0	1451	26/05	POR	Radio 90 FM, Coimbra	music, OM	802A	__90FM__	good	E	MH
90.0	1737	27/05	SVN	R Maxi? Ljutomer.					E	DS
					RA..MAXI _oglosi_ _ZAVARO_ FOTOTONA					
					584-5820 F.O.R.D. _ATRIUM_ PROMETNA					
90.0	1847	27/05	SVN	SLO1, Plesivec,	light jazz.		SLO_1___	good	E	PL
90.1	1902	27/05	?	un-id (German lang)	YL reading news			fair	E	MH
90.1	1506	22/05	E	UNID. Vocals.	PI code F27A		LAMANCHA		E	DS
90.1	2131	26/05	E	R Surco	music	F27A		weak	E	MH
90.1	2150	26/05	E	R Surco, Castilla	pop, YL DJ, 2300 OM	F27A	_RADIO_	good	E	MH
					RT:RADIO SURCO 90.1 FM CASTILLA LA MANCHA TELEFONO		_SURCO_			
					967 138 000 ---		CASTILLA			
							90.1_F.M			
							TELEFONO			
							967			
90.1	1359	29/05	E	Euskadi 2, om in talk	then news. via?		EUSKADI2	v good	E	PL
90.1	1847	31/05	F	France Inter, mende,	om talk, on dipole.		_INTER_	good	E	PL
90.1	1348	22/05	I	RAI-1, Monte Argentario (GR)	YL-OM talk	5201	RAI_MF1_	good	E	MH
90.1	2202	26/05	I	RAI 1, Monte Argentario,	pop.		RAI_MF1_	good	E	PL
90.1	2202	26/05	I	Radio Maria, religion,	via		R_MARIA_	good	E	PL
90.1	0630	27/05	I	RAI 1. Mt Argentario.	Ads		RAI__MF_	good	E	DS
90.1	0640	27/05	I	One-O-One Network. Roma.	News. Mono TX		CE101___	qsb	E	DS
90.1	0850	27/05	I	One-O-One Network, Roma,	pop.		ONEOONE_	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	DS
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	E274	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		R_ITALIA	good	E	PL
90.2	1612	31/05	I	Radio Maria, religion,	via?,		R_MARIA_	good	E	PL
90.2	1426	22/05	POR	R Renascenca, Montejunto.	OM talking	8221	__RR__	fair	E	JF
90.2	1430	22/05	POR	R Renascenca. Montejunto.	Ads		__RR__		E	DS
90.2	1627	31/05	POR	Radio Renascenca, Montejunto,	om in talk.		__RR__	good	E	PL
90.2	1656	31/05	S	SR P2, Hudiksvall,	spanish prog!.		_SR_P2_	good	E	PL
90.3	1446	26/05	E	RNE-5, Torrespana,	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		CAD-DIAL		E	DS
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. Torrespana			RNE_5__		E	DS
90.3	1757	31/05	E	RNE-5, Torrespana.	YL rambling	E215		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		E	DS
90.3	0647	29/05	I	RAI-2, 7 listed				good	E	PT
90.3	1838	31/05	I	R DeeJay. Roma.	Dance music,		_DEEJAY_	fair	E	DS

90.3	2010	31/05	I	R Strudio Quatro. Unid site. ID & pop				fair	E	DS
90.3	1447	27/05	POL	PR-3, Opole?. Polish OM talking. 3233 PS in no particular order	__022__	__-SZAMY		fair	E	JF
						TROJKI				
90.3	1936	28/05	POL	PR-Trojka, Opole	3233			strong	E	PT
90.3	2024	28/05	POL	PR-3, Opole OM talk 3233	_POLSKIE	_RADIO_		good	E	MH
					TROJKA	_OPOLE_				
					Niedziel	00_05_28				
					_22_24_					
90.35	2037	28/05	POL	PR-Trojka, Opole	3233			good	E	JK
90.4	2008	28/05	CZE	CRO-3 Vltava, Brno	232D	_CR_3_		good	E	PT
90.4	1904	27/05	D	Bayern 3 Das Net Radio	D313	BAYERN_3		fair	E	MH
90.4	1819	27/05	I	R DeeJay Gerry Rafferty record	5214	_DEEJAY_		fair	E	MH
90.4	1633	29/05	ISL?	UNID. Recording put on club website - the response was that this was Icelandic so either Iceland or Faroe Islands. OM talking, phone in. No sign of RDS. Iceland is listed here, unsure about Faroes.				good	E	JF
90.5	1852	31/05	I	R CUORE R.GRANDI (various listings)	522F	R_CUORE_		v.good	E	PT
90.5	2039	28/05	POL	PR-Rzezow, Rzezow	3417			good	E	JK
90.6	1403	29/05	E	RNE2, Archanda, classics. Basque Country.		RNE-CLAS		good	E	PL
90.6	1927	28/05	POL	PR-Bis, new tx not listed!					E	TB
90.7	1602	27/05	?	UNID Jingle & pop E299 [Romania? – MH]	EUROPA_	_106.2_			E	DS
90.7	1257	27/05	BIH	Big R, Banja Luka. YL vocal ID. Thought she mentioned Sarajevo with the ID phrase? Unsure. (Forgot to note down freq!!)	1111	BIG_1_		fair	E	JF
90.7	1840	27/05	BIH	Big Radio, Banja Luka	1111	BIG_1_		v.strong	E	PT
90.7	1840	27/05	BIH	Big Radio, Banja Luka, Sehitluci, jazz.		BIG_1_		good	E	PL
90.7	1855	27/05	BIH	Big Radio?? Banja Luka. Pops		_BIG_1_			E	DS
90.7	2015	30/05	CZE	CR1, Jihlava, talk.		_CR_1_		good	E	PL
90.7	0734	31/05	D	Bayern 1, full RT, talk, 2 sites		BAYERN_1		good	E	PL
90.7	1438	22/05	E	C-100, Aviles. Spanish song	E2CE	CAD-CIEN		good	E	JF
90.7	1419	28/05	E	Ondacero, pop, via?		ONDACERO		fair	E	PL
90.7	1258	29/05	E	RNE4 Catalunya, om in talk, Monte Caro.		RNE_4_		good	E	PL
90.7	1850	31/05	F	France Culture, Avignon, talk, on dipole.		_CULTURE		good	E	PL
90.7	2007	28/05	HNG	Bartok Radio, Kekes	B202	_BARTOK_		strong	E	PT
90.7	2036	28/05	HNG	Bartok Radio, Kekes	B202	_BARTOK_		v.good	E	PT
90.7	1459	22/05	I	RAI 1, Salento Turrisi, ads.		RAI_MF1_		v good	E	PL
90.7	0643	27/05	I	R Splash. Messina. ID & English Pop		R.SPLASH		good	E	DS
90.7	0808	27/05	I	RAI-1, Monte Serpeddi. OM talking // 91.3	5201	RAI_MF1_		fair	E	JF
90.7	1145	27/05	I	RAI-1, lots listed	5201			strong	E	PT
90.7	0646	29/05	I	RAI-1, lots listed	5201	RAI_MF1_		good	E	PT
90.7	1710	31/05	I	RAI 1. 2 listed. News		RAI_MF1		fair	E	DS
90.7	1722	31/05	I	RAI-1, lots listed		RAI_MF1_		v.good	E	PT
90.7	1850	31/05	I	R.Flash? no af's Italian (R.Splash listed here, Messina?)				v.good	E	PT
90.75	0947	31/05	I	Deejay IT pop, via?.		_DEEJAY_		good	E	PL
90.75	1616	31/05	I	Radio Maria, presumed, om in prayer.				fair	E	PL
90.8	1658	29/05	E	Ondacero, Andalucia area, via?		ONDACERO		good	E	PL
90.8	0807	27/05	F	France Culture, Porto Vecchio. OM talking in French	F202	_CULTURE		good	E	JF
90.8	0627	29/05	F	RF-Culture, lots listed	F202	CULTURE_		v.good	E	PT
90.8	1912	31/05	F	France Culture, Porto Vecchio. OM talking	F202	_CULTURE		fair	E	JF
90.9	1403	29/05	E	Euskadi 2, news with yl, via?.		EUSKADI2		good	E	PL
90.9	1412	29/05	E	RNE2, La Muela, classics		RNE-CLAS		good	E	PL
90.9	1826	29/05	E	Unid. Ads & music.	8072	POPULAR_			E	DS
90.9	0912	28/05	I	RAI-2, 2 sites. Italian song		RAI_MF2_		poor	E	IK
90.9	1848	31/05	I	RAI 1. Mt Favone. 2 Om		RAI_MF1_			E	DS
90.9	1946	27/05	SVN	SLO1, pop mx via Trdinov.		SLO_1_		good	E	PL
91.0	1836	31/05	CZE	Radio F1, Ostrava, pop		RADIO_F1		good	E	PL
91.0	1049	27/05	E	Cadena SER. Unid site. OM with ID and Info				poor	E	DS
91.0	1126	27/05	E	Cadena Los 40 Quarenta. Valencia OM ID & pop PX					E	DS
91.0	1541	31/05	E	Cadena SER, Alicante. Adverts, then full ID				fair	E	JF
91.0	0630	29/05	I	R.Maria, lots listed here	51CC	R.MARIA_		v.good	E	PT
91.1	1244	27/05	?	"R Strajinna", unid. East Euro music, ID sounded like this!				fair	E	JF
91.1	1439	22/05	E	Cadena Dial, Asturias. Spanish song. Strong 60dB signal!		CAD-DIAL		strong	E	JF
						ASTURIAS				
91.1	1445	22/05	E	CAD--DIAL E274				v good	E	PT
91.1	1132	27/05	I	UNID	5A72			v.strong	E	PT
91.1	1822	27/05	I	RAI-2, lots listed here	5202	RAI_MF2_		strong	E	PT
91.1	1857	27/05	I	Gamma Regione Romagna,	5843	_GAMMA_		good	E	JK
91.1	1444	27/05	POL	PR-3, Tarnow. Polish OM. PS in no particular order 3233	_TARNOW_	__-SZAMY	_TROJKI_	fair	E	JF
					645_2345	ZAPRA-				
91.2	1826	27/05	AUT	OE-1, St Graz	A201	OE_1_		good	E	JK
91.2	1638	22/05	E	RNE1, probably, Valencia, om with id and light pops.		RNE_1_		good	E	PL

91.2	1638	22/05	E	RNE1, 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__S1_	v.good	E	PT
91.3	1700	31/05	D	Bayern 1. Munchen. 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 stable enough for a positive PI code, though I note there is a 16C1 listed on this channel: R Leipzig with 4kW, I wonder	16D1			fair	E	JF
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	HR-1, 3 listed	6341		HRT-HR1_	v.good	E	PT
91.3	1322	22/05	I	RAI-1, Punta Badde Urbara, Sardinia. Big band song	5201		RAI_MF1_	fair	E	JF
91.3	1459	22/05	I	RAI 1, Punta Badde Urbara, ads.			RAI_MF1_	v good	E	PL
91.3	0808	27/05	I	RAI-1, Punta Badde Urbara. 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 Urbara, Sardegna			RAI_MF1_	good	E	JK
91.3	0704	29/05	I	RAI-1, Punta Badde Urbara, Sardegna			RAI_MF1_	v.good	E	PT
91.3	1938	28/05	POL	Trojka, site? YL talk	3233		_TROJKA_	poor	E	IK
91.4	1127	28/05	?	UnID. Pops	227A			fair	E	IK
91.4	1430	22/05	E	SER 1. Plasencia. Ph in with YL			__SER__		E	DS
91.4	1700	22/05	E	Ondacero news and id, via			ONDACERO	good	E	PL
91.4	1244	27/05	E	Radio Surco, Tomoelloso, om id			91.4ILLA	good	E	PL
91.4	1117	28/05	E	UnID. Traditional Spanish wailing singer	E226			poor	E	IK
91.4	1226	29/05	E	R Surco Cadena Centro. Tomelloso. OM with talks 91.4_F.M TELEFONO 505960__ TV.RADIO SURCO__ CASTILLA RADIO__ LAMANCHA					E	DS
91.4	1550	29/05	E	Cadena SER, Plasencia. OM & YL gabbling!	E239		__SER__	excellent	E	IK
91.4	1624	29/05	E	Europa FM. Unid site. Eg pop			EUROPAFM		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, Tomoelloso. LAMANCHA TELEFONO _505960_ TU_RADIO _RADIO__ _SURCO__ 91.4_F.M CASTILLA				good	E	IK
91.4	1853	29/05	E	R Surco _RADIO__ 91.4_F.M TELEFONO _SURCO__ CASTILLA LAMANCHA	227A			v good	E	JF
91.4	1947	27/05	I	UNID. Possibly R Monte Carlo. YL "Monte Carlo Nights"	5213		??MC????		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				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		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 RT: 'RADIO MONTECARLO RMC FM RADIO MONTECARLO RMC FM' RT: 'INDIRIZZO INTERNET HTTP://WWW.RADIOMONTECARLO.NET ' RT: 'RMC ITALIA VIA TURATI,9 20121 MILANO ' RT: 'LINEE GIOCHI 02/29001636 '	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	JK
91.7	1140	30/05	CZE	R Zlin, unid site. Pop music	20C1		_Z_L_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	JK
91.7	0529	29/05	I	RAI-2, lots listed here			RAI_MF2_	good	E	PT
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__	good	E	PT
91.75	1724	30/05	?	E Euro TV sound. Sounds Polish but unsure				fair	E	JF
91.8	0735	31/05	D	SWR2, Morgen show, 2 sites			__SWR2__	good	E	PL
91.8	1415	22/05	E	RNE1, Chinchilla, yl in talk.			RNE_1____	v good	E	PL
91.8	1440	22/05	E	SER 1. Villanueva. //91.4. Phone in				fair	E	DS
91.8	1510	26/05	E	SER-1, Vagas Altas	E239			v.strong	E	PT
91.8	1200	27/05	E	RNE-1, Castilla la Mancha	E711		RNE1-CLM	v.strong	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?.				fair	E	PL
91.8	1225	29/05	E	Cadena Dial. Pozo Alcon (Where is this located??) Jingle & ID					E	DS
91.8	1838	29/05	E	CAD--DIAL, Andalucia Este	E274		CAD-DIAL	good	E	PT
91.8	1923	29/05	E	Cadena Cope. Mojecar. 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	DS
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

91.8	1254	27/05	HRV	R Brac, Split. (My old EFMH lists it as R Split from Brac) Listed with only 100W (?). Full radiotext: "RADIO BRAC SUPETAR TEL 021 631144" Playing English pop music	A003	**BRAC**	fair	E	JF
91.8	1626	29/05	POR	RADIO LA LINER	8001		v.good	E	PT
91.8	1741	29/05	TUN	RTCI OM talk	7202	RTCI_____	good	E	MH
91.8	1656	31/05	TUN	ERTT, Biadha	7202		v.good	E	PT
91.9	1853	27/05	?	UNID (RADIO VOIO?)	53BF		strong	E	PT
91.9	1934	27/05	?	UNID. Music.	54FC	??DI????		E	DS
91.9	1432	22/05	E	Cadena Cien, Huelva (Pres). Pop PX		SAD-CINC		E	DS
91.9	1507	22/05	E	Onda Cero R. Santander		ONDACERO	poor	E	DS
91.9	1659	22/05	E	Cadena Cien, Huelva, song about "Canarias"	CAD-CIEN	HUELVA__	good	E	PL
91.9	1826	29/05	E	Cadena Cien, Huelva. Phone in		CAD-CIEN		E	DS
91.9	1830	29/05	E	Cadena Cien, Huelva. B*witched pop song	E2CE	CAD-CIEN	good	E	JF
91.9	1831	29/05	E	Cadena Cien, Huelva. OM in commercial spot	E2CE	CAD-CIEN	good	E	JF
91.9	1837	29/05	E	CAD-CIEN, Huelva	E2CE		v.good	E	PT
91.9	0732	27/05	F	NRJ, 4 listed		__NRJ__	excellent	E	TB
91.9	0749	27/05	F	NRJ. Porto Vecchio (likely). Ads		__NRJ__		E	DS
91.9	1915	31/05	F	NRJ, 4 sites listed	F220		v.good	E	PT
91.9	1654	27/05	HNG	Unid station in Hungarian			fair	E	PL
91.9	0633	27/05	I	RAI 2. 2 listed. Discussion		RAI__MF2	good	E	DS
91.9	1951	31/05	I	RCV Radio. Roma. Italian pop		RCVRADIO	fair	E	DS
91.9	1428	22/05	POR	R Comercial, Bornes. OM with ID & rock song			good	E	JF
92.0	1703	27/05	AUT	OE 1, Wien, News.			good	E	PL
92.0	1723	27/05	AUT	OE 1. Wien (Vienna).		OE_1_____		E	DS
92.0	2143	26/05	E	Onda Cero network ID, talk	E2EE	ONDACERO	fair	E	MH
92.0	1200	28/05	E	Cat Info, yl with news, via		CATINFO_	good	E	PL
92.0	1920	29/05	E	Onda Cero R. Granada. 2 OM's with talks		ONDACERO	fair	E	DS
92.0	1638	31/05	E	Onda Cero R. Granada. OM/YL with talks		ONDACERO		E	DS
92.0	0727	27/05	I	UNID. OM in Italian.	5210	2?DIO F		E	DS
92.0	0907	27/05	I	Radio Radicale, om in talk, via		RADICALE	good	E	PL
92.0	1929	27/05	I	Trans World Radio?? Interval signal chimes				E	DS
92.0	1907	31/05	I	R Radicale. Bologna.		RADICALE		E	DS
92.0	2130	31/05	I	Radio Zero, sung id and boyband plop.			fair	E	PL
92.0	1922	28/05	POL	PR TROJKA	3233		v.strong	E	PT
92.0	1955	28/05	POL	PR-3, Rzeszow OM talk	3233	_TROJKA_	fair	E	MH
92.0	2023	28/05	POL	PR-3, Rzeszow OM talk	3233	_POLSKIE __RADIO_ __TROJKA_ __KROSN0_ Niedziel 00_05_28 __22_23__	good	E	MH
92.0	1451	22/05	POR	R Comercial. Mendro	8203		poor	E	DS
92.0	1504	26/05	POR	R Comercial, Mendro adverts AF: 91.9 96.1 98.9 92.0 99.8 96.8 88.1 98.2 90.8 97.4 88.7	8203	COMRCIAL	good	E	MH
92.0	1931	27/05	SVN	SLO 1. Koper/Beli Griz. Vocals		_SLO_1__		E	DS
92.0	1738	31/05	SVN	SLO1, jazz, Beli Kriz.		SLO_1_____	good	E	PL
92.0	1711	31/05	TUN	ERTT. OM with EZL music.	7202	__RTCI__	good	E	DS
92.1	1209	28/05	?	un-id slow Arabic song			fair	E	MH
92.1	2021	28/05	CZE	CR-1 radioplay AF: 91.3 92.5 88.5 89.7 95.1 99.5 101.4 RT: 'Dopoledni Radiozurnal * rady, tipy, informace pro vas	232F	__CR_1__	good	E	MH
92.1	1521	22/05	E	RNE5, Murcia, yl in talk		RNE_5_____	good	E	PL
92.1	1233	29/05	E	RNE 5. Carrascoy (Murcia). OM with traffic info		RNE_5_____	good	E	DS
92.1	1412	29/05	E	RNE3, Jaizquibel, om in talk		RNE_3_____	good	E	PL
92.1	1950	29/05	E	AFRTS, Moron de la Frontera, U.S. om pop mx, brief peaks			fair	E	PL
92.1	1458	22/05	F	Radio Classique, Dept 84- Vaucluse. Classics.		CLASSIQ_	good	E	PL
92.1	2255	26/05	F	France Inter, Perpignan, reggae.		__INTER__	good	E	PL
92.1	0750	27/05	F	Europe 2. 3 Listed. French Reggae		EUROPE_2	fair	E	DS
92.1	1248	27/05	HRV	HR-1, Sljeme OM/YL talk AF 93.5 : 92.1 91.6	6341	HRT-HR_1	good	E	MH
92.1	1839	27/05	HRV	HR-1, Sljeme, om in talk.		HRT-HR1_	v good	E	PL
92.1	0634	27/05	I	RAI 2. Mt Argentario. //91.9		RAI__MF2	good	E	DS
92.1	0645	27/05	I	RAI 1. 2 Listed. News		RAI__MF1		E	DS
92.1	0827	27/05	I	RAI 2, Monte Argentario, "Radio due- RAI"			fair	E	PL
92.1	1710	27/05	I	un-id pop/rock music	50DE		brief	E	MH
92.1	1856	27/05	I	Radio K2 (where?) rap music	533D	RADIO_K2	fair	E	MH
92.1	1001	31/05	I	RAI 1, Turin, om in talk		RAI_MF1_	good	E	PL
92.1	1429	22/05	POR	UNID. R Bandarra? Pop music	8B9A	BANDARRA	good	E	JF
92.2	1758	31/05	D	RNE-3, Barrio Giron poss. Spanish pop music	E213		fr/good	E	JF
92.2	1432	22/05	E	RNE 2, Clasica. Gamountiero. YL with talks		RNE-CLAS		E	DS
92.2	1453	22/05	E	RNE 1. Lagar De La Cruz (likely) YL with phone in				E	DS
92.2	1456	22/05	E	RNE-3, Barrio Giron. Spanish music	E213	RNE_3_____	fair	E	JF
92.2	1502	22/05	E	RNE 3. Valladolid. Rock music.				E	DS
92.2	1611	29/05	E	Canal Sur, Algeciras, voc id.			good	E	PL
92.2	1618	31/05	E	R Azul. Pedronaras. Ads	LAMANCHA CASTILLO	TULEADIO	good	E	DS

92.2	1629	31/05	E	RNE1, Lagar de la Cruz, ss mx.		RNE_1___	good	E	PL
92.2	1635	31/05	E	Cadena Los 40 Principales. Pamplona. Jingle then faded out.		qs_b		E	DS
92.2	1023	30/05	F	RTL2, pop, via?.		RTL2___	good	E	PL
92.2	1000	31/05	I	Radio 2000, ads, pop, via?.		**2000**	good	E	PL
92.2	1605	31/05	I	Unid, om in talk,	_MUSICA_	_FM92.2_	good	E	PL
92.2	1650	31/05	S	SR P1, Mora, om in talk		_SR_P1_	good	E	PL
92.2	2021	28/05	SVK	SR S1 OM/YL talk	5201	SRo_-_S1	good	E	MH
92.2	1704	31/05	SVK	R Slovakia 1, Poprad. Gypsy music	5201	_SRo_S1_	good	E	JF
92.3	1949	30/05	?	Radio Dance 9, somewhere in Central Europe, om in talk			fair	E	PL
92.3	1205	28/05	E	RNE3, om in talk, via		RNE_3___	good	E	PL
92.3	1259	29/05	E	SER om talk, via?, Catalunya presumed		_SER___	good	E	PL
92.3	1431	22/05	F	Radio Star, Marseille. "Encore plus de Musique". Arab style pop.		_STAR___	good	E	PL
92.3	0950	31/05	I	Superhit Radio, via?, pop		SUPERHIT	good	E	PL
92.3	1622	31/05	I	RAI MF3, several big sites, om talk.		RAI_MF3_	good	E	PL
92.3	1750	31/05	I	R Italia Network. Palermo. ID & pop			qrm	E	DS
92.4	1627	22/05	E	Radio Ole, pop mx, via		_RADIOLE	good	E	PL
92.4	1631	22/05	E	Cadena Cien, pop, via			fair	E	PL
92.4	1629	29/05	E	Cadena Dial, Jerez, pop	CAD-DIAL	JEREZ___	good	E	PL
92.4	1849	29/05	E	RNE 2, R Clasica. Pechina. Harp music		RNE_2___	fair	E	DS
92.4	0802	27/05	F	France Inter. Ajaccio. News		_INTER_	good	E	DS
92.4	0631	29/05	F	RF-Inter, 5 sites listed	F201	_INTER_	v.good	E	PT
92.4	0655	29/05	F	France Inter, Ajaccio. OM talk	F201		poor	E	IK
92.4	1913	31/05	F	France Inter, Ajaccio. YL & OM discussion	F201	_INTER_	fair	E	JF
92.4	1318	22/05	I	RTL 102.5, Cagliari (CA), Sardinia adverts	5218	RTL102.5	good	E	MH
92.4	1245	24/05	I	Rete Oro, unid site. English pop song	5F84	RETE_ORO	fr/good	E	JF
92.4	1857	27/05	I	RAI 2, via		RAI_MF2_	good	E	PL
92.4	2042	27/05	I	Tam Tam Radio, popmx, via		TAM_TAM	good	E	PL
92.4	1557	31/05	I	R Maria, religion, via?.		R_MARIA_	good	E	PL
92.4	2000	31/05	I	RTL Hit Radio. Unid site. Ads		RTL102.5	qrm	E	DS
92.4	1815	30/05	S	Sr P2, Horby, om in talk		_SR_P2_	good	E	PL
92.4	1845	27/05	SVN	VAL 202, Plesivec, om talk.		VAL_202_	good	E	PL
92.5	1704	31/05	CZE	CR-1, Val Mezirici. YL talking	232F	_CR_1_	fair	E	JF
92.5	1050	27/05	E	Radio Denia. Denia. Spanish vocals		R.DENIA_		E	DS
						92.5_MHz			
92.5	1051	27/05	E	RNE 1. 2 Listed. OM with talks		RNE_1___		E	DS
92.5	1137	27/05	E	RNE 1. 2 Listed. Talks		RN__1-CV	fair	E	DS
92.5	1903	27.05	E	SER-1, Radio Denia Costa Blanca	E279		strong	E	PT
92.5	1925	27.05	I	Gamma Radio, Milan	5843		v.good	E	PT
92.5	1455	22/05	POR	R Cova da Beira, Fundao. Portuguese song	84AE	_R.C.E._	fair	E	JF
92.5	1502	26/05	POR	RDP-2, Porto	8202		strong	E	PT
92.6	2029	28/05	CZE	CRO-2 Praha, Brno	232E	_CR_2_	v.strong	E	PT
92.6	1904	27/05	D	SWR1, ??			strong	E	PT
92.6	1157	28/05	E	RNE-2, Punta Umbria. Classical music // 93.7	E212		poor	E	IK
92.6	1822	29/05	E	RNE-2, Punta Umbria. "R Clasica" ID			v good	E	JF
92.6	1847	29/05	E	RNE-2, Punta Umbria. Harp music	E212	RNE_CLAS	poor	E	IK
92.6	1752	31/05	F	RF-Inter, lots of sites listed here!		_INTER_	v.good	E	PT
92.6	1921	31/05	F	France Inter, Porto Vecchio. OM talking			fair	E	JF
92.6	0501	29/05	I	Radio Studio-5, L'Aquila	5961	STUDIO_5	v.good	E	PT
92.7	1000	28/05	E	Onda Cero R, Albacete.		ONDACERO	good	E	PB
92.7	1717	27/05	HNG	Petőfi R, Tokaj. Drama	B201	_PETOFI_	fair	E	IK
92.7	1322	22/05	I	RAI-2, Monte Serpeddi (CA), Sardinia music	5202	RAI_MF2_	good	E	MH
92.70	0710	29/05	I	RAI-2, Monte Serpididi likely. Ads	5202	RAI_MF2_	fair	E	IK
92.8	1946	27/05	AUT	OE1, Klagenfurt, classics.		OE_1___	v good	E	PL
92.8	1556	22/05	E	RNE-3, Benicassim, folk mx.		RNE_3___	fair	E	PL
92.8	1252	29/05	E	RNE-5, om in talk via?		RNE_5___	good	E	PL
92.8	1929	27/05	I	R.Studio Delta, Forli	53FB		strong	E	PT
92.9	1521	22/05	E	Ondacero, talk, via		ONDACERO	good	E	PL
92.9	1614	29/05	E	ONDA-CERO, Murcia	E2EE	ONDACERO	v. strong	E	PT
92.9	1905	31/05	F	France Musique, several sites, mx.		MUSIQUES	good	E	PL
92.9	0850	27/05	I	RAI 3, Monte Serra (PI), classics.		RAI_MF3_	good	E	PL
93.0	1404	29/05	E	RNE-3, Monreal, Navarra, Eastern music.		RNE_3___	good	E	PL
93.0	0803	27/05	F	Nostalgie, Ajaccio. French pop		NOSTALGI	v good	E	DS
93.0	0632	29/05	F	Nostalgie, nothing listed on this freq	F218	NOSTALGI	good	E	PT
93.0	1914	31/05	F	Nostalgie, Ajaccio. Old French pop song	F218	NOSTALGI	fair	E	JF
93.0	1900	27/05	I	Capital Radio Music Network, Bergamo		_CAPITAL	good	E	JK
93.0	1953	28/05	POL	RMF FM, Katowice pop music	3F44	_RMF_FM_	good	E	MH
				AF: 100.0 97.1 92.0		Katowice			

93.0	2015	28/05	POL	RMF FM, Katowice	pop music	3F44	_RMF_FM_ Katowice _93_MHz_	good	E	MH
93.0	1324	22/05	TUN	R Jeunes, Ghraba.	Arabic programme. Mixing BBC R4.			weak	E	JF
93.1	1900	27/05	D	Bayern 4.	Huehnberg. Music		BAYERN_4		E	DS
93.1	1628	22/05	E	SER,	om in talk on phone, via		__SER__	fair	E	PL
93.1	1053	27/05	E	R Horta,	Valencia?? Pop & ID			good	E	DS
93.1	1117	27/05	E	Cadena....	SER Malaga (presumed). OM & pop			good	E	DS
93.1	0740	27/05	F	RF-Inter,	Marseille		__INTER_	v.good	E	JK
93.1	1722	27/05	HNG	Petofi.	Gyor. Drama		_PETOFI_		E	DS
93.1	2037	27/05	I	R-Serena,	Rome	5158	R.SERENA	good	E	JK
93.1	1844	31/05	I	R Serena.	Roma. Yep, you guessed it, another PI:	5158	R.SERENA CHE_C'E'	good	E	DS
93.1	1659	22/05	POR	Radio Planalto,	Mogadouro. ads.		PLANALTO	good	E	PL
93.1	1507	26/05	POR	un-id	music, YL			fair	E	MH
93.2	1500	22/05	E	RNE 2				v good	E	PT
93.2	1834	29/05	E	M80,	3 listed but suspect Cadiz. Tina Turner song	E21E	M8ORADIO	fair	E	JF
93.2	1300	28/05	POR	R.FM,	Lisboa	8231		v.good	E	PT
93.3	1844	29/05	E	Onda Cero R,	Jaen. OM talking	E2EE	ONDACERO	fair	E	JF
93.3	1858	29/05	E	Onda Cero	slow pop	E2EE	ONDACERO	fair	E	MH
93.3	1708	27/05	HRV	HR1,	Beli mmanastir (Belje)	6341	HRT_HR1_	v.strong	E	PT
93.3	1321	22/05	I	RAI-2,	Punto Badde Urbara, Sardinia. OM then C&W song	5202	RAI_MF2_	weak	E	JF
93.3	0808	27/05	I	RAI-2,	Punte Badde Urbara. Italian music	5202	RAI_MF2_	fair	E	JF
93.3	0648	29/05	I	RAI-2,	Punta Badde Urbara, Sardegna		RAI_MF2_	v.good	E	PT
93.4	1543	22/05	E	Cope,	pop via		COPE_FM	good	E	PL
93.4	1001	31/05	I	Dim Suono,	News		DIMSUONO	good	E	PL
93.4	1509	26/05	POR	Antena 2,	Faro + 1 list classical music	8202	ANTENA_2	fair	E	MH
93.5	1705	31/05	CZE	R Frequence 1,	Usti Nad Labem. News	2205		fair	E	JF
93.5	1430	22/05	E	Cadena Dial,	Extremadura. ID, ment's Canaries, pop mx	E274		fair	E	JF
93.5	1656	22/05	E	Cadena Dial,	ads, via		CAD-DIAL	good	E	PL
93.5	1404	29/05	E	SER station,	news, Baque or Navarra areas presumed.		__SER__	good	E	PL
93.5	0740	27/05	F	RTL-2,	Ajaccio		__RTL2_	vgood	E	JK
93.5	0809	27/05	F	RTL 2.	Ajaccio. French pop		__RTL2_	good	E	DS
93.5	1441	27/05	SVK	R Slovakia 1,	Grahovo Slov (100 watts). YL talking to herself		Sro_-_S1	fair	E	JF
93.55	1843	31/05	I	Unid.		5249	NETWORK_	fair	E	DS
93.6	1521	22/05	E	RNE2,	Radio Clasica, Chinchilla, classics		RNE-CLAS	v good	E	PL
93.6	1634	31/05	E	Cadena Cien.	Cuidad Real. Ads		CAD-CIEN	fair	E	DS
93.6	1002	31/05	I	Radio Veronica 1,	pop		VERONICA _o_n_e_	good	E	PL
93.6	1739	31/05	SVN	Radio Centar?,	Porec, Doors song.		CENTAR_ STUDIO_ POREC_	good	E	PL
93.7	1210	28/05	?	un-id	faster tempo Arabic songs			fair	E	MH
93.7	1724	27/05	CZE	R City,	Praha. Radio City ID	2032	CITY_937	fair	E	IK
93.7	1128	28/05	E	RNE-2,	Valencina. "R Classica, R Nacional de España"			fair	E	IK
93.7	1639	29/05	E	RNE-2,	Valencina. Choral music	E212	RNE_CLAS	excellent	E	IK
93.7	1850	29/05	E	RNE 2.	Valencina Concepcion. Harp music		RNE_2__	poor	E	DS
93.7	1243	27/05	I	R Dimensione	Suono adverts	5264	DIMSUONO	fair	E	MH
93.7	1606	27/05	I	Italia Network,	Caserta listed. Dance music	5241		fair	E	IK
93.7	1646	27/05	I	R Italia Network	advert, OM ID, music	5241		fair	E	MH
93.7	0911	28/05	I	Italia Network,	Chieti reg? Garage vers of "Say My Name"	5241	*ITALIA_	good	E	IK
93.7	0635	29/05	I	Italia R,	site? OM talk	5233	ITALIA_R	good	E	IK
93.7	1451	22/05	POR	R Renascenca,	Porto. OM talk // 94.2			fair	E	MH
93.7	1227	28/05	POR	R Renascenca	talk	8221	__RR__	fair	E	MH
93.8	1006	28/05	E	Radiole,	Alora (Malaga) listed 100 watts! Spanish music		RADIOLE_	good	E	PB
93.8	1826	29/05	E	Radio Ole.	Unid site. Traditional Spanish music		RADIOLE_	good	E	DS
93.8	1641	31/05	E	Radio Ole.	Unid site. ID as Radio Real		RADIOLE_		E	DS
93.8	1847	27/05	GRC	un-id	Greek songs			good	E	MH
93.8	1722	27/05	I	R Maria.	2 Listed. Talks		R.MARIA_		E	DS
93.8	1350	22/05	TUN	ERTT,	Hmeima. pop song When I need you AF 96.6 : 96.5 89.1 89.6	7201	NATIONAL	good	E	MH
93.9	1115	27/05	E	Europa FM.	Unid Site, presumed to be Benidorm. Spanish vocals	FFFF	EuropaFM Benidorm	fair	E	DS
93.9	1633	31/05	E	Cadena Los 40	Principales. Barcelona. Jingle & pop		CUARENTA	good	E	DS
93.9	1920	31/05	F	France Inter,	St Girons. 45 watts! OM talking	F201	__INTER_	fair	E	JF
93.9	1710	27/05	HNG	Petofi Radio,	Tokaj	B201	_PETOFI_	v.good	E	PT
93.9	1721	27/05	HNG	Petofi.	Kabhegi. Drama		_PETOFI_		E	DS
93.9	1801	27/05	HNG	Petofi Radio,	Tokaj	B201	_PETOFI_	strong	E	PT
93.9	1908	27/05	I	R Maria	OM talk	51CC	R.MARIA_	fair	E	MH

93.9	1457	22/05	POR	ANTENA		8202		v good	E	PT	
94.0	1154	28/05	E	RNE-2, not listed!		E212	RNE-CLAS	good	E	PT	
94.0	1612	29/05	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	1822	29/05	E	RNE-2, Tajo de las Escobas (Cadiz). OM interrupting classical piece		E212	RNE-CLAS	good	E	JF	
94.0	1820	27/05	I	un-id ??R Cuore?? pop		522F	TeGRANDI	fair	E	MH	
94.05	2215	26/05	I	Radio Belvedere, pop mx id via			BELVDERE	v good	E	PL	
94.1	1929	28/05	CZE	Radio Frekvence-1, C.Budejovice		2205	RADIO_F1	good	E	JK	
94.1	1933	28/05	CZE	Radio Frekvence-1, C.Budejovice		2205	RADIO_F1	strong	E	PT	
94.1	1636	31/05	E	Europa Fm. Unid site.			EUROPAFM		E	DS	
94.1	1647	27/05	I	un-id // 94.6				fair	E	MH	
94.1	1605	31/05	I	Subasio, om in talk, via?.			SUBASIO_	good	E	PL	
94.1	1906	27/05	SVN	SR-1, Kum		63A1		strong	E	PT	
94.1	1920	27/05	SVN	SLO1, Kum, pop mx.			SLO_1___	good	E	PL	
94.15	1003	31/05	I	Energy Radio, yl in talk, via?.			*ENERGY*	good	E	PL	
94.2	1528	22/05	E	Ondacero, via			ONDACERO	good	E	PL	
94.2	1600	22/05	E	40 Principales, om with id, via			ONDACERO	good	E	PL	
94.2	1115	27/05	E	Cadena SER. Avila. ID & ads					E	DS	
94.2	1405	29/05	E	Ondacero Station, Basque area, Basque language.			ONDACERO	good	E	PL	
94.2	1431	22/05	F	France Musique, Marseille. Classics.			MUSIQUES	good	E	PL	
94.2?	0805	27/05	I	RETE 105 Network. Unid site. 2 OM			NETWORK	v good	E	DS	
94.2	1821	27/05	I	Radio M pop, ID, adverts		5158		good	E	MH	
				RADIO.M. CALABRIA 24.SU.24 *94.200* *96.100* Tel.0966 _870222_ ==FAX=== _870311_ 27 May00 PIZZERIA __LUNGO_ __MARE__ _SCILLA_							
94.2	1909	27/05	I	RAI-1, Monte Penice, Lombardia		5201	RAI_MF1_	v.strong	E	PT	
94.2	2027	27/05	I	Radio Eco, Italian pop mx, via			RADIOECO	good	E	PL	
94.2	1648	31/05	I	Unid. Italian pop.		5158	*9FEMIO_ EUFEMI==		E	DS	
94.2	1841	31/05	I	R Serena?. Another PI 5158! Lots of fax & phone numbers!			"SOLO"40	fair	E	DS	
94.2	1949	31/05	I	Subasio. Terni. Vocals			SUBASIO		E	DS	
94.2	1432	22/05	POR	R Renascenca, Marofa. YL in Portuguese		8221	__RR__	good	E	JF	
94.2	1453	22/05	POR	R Renascenca, Marofa. OM talk // 93.7				weak	E	MH	
94.2	1656	22/05	POR	Radio Renascenca, Marofa. light pops.			__RR__	v good	E	PL	
94.3	1947	31/05	?	Unid. Arabic music. No speech hrd. Nothing listed except Egypt				fair	E	DS	
94.3	1819	31/05	CZE	R Vysocina, Jihlava, slav song.			VYSOCINA	good	E	PL	
94.3	1500	22/05	E	RNE 3. Soria (likely). ID as Andalucia				poor	E	DS	
94.3	1238	28/05	E	RNE3, pop mx, via Soria, likely.			RNE_3___	good	E	PL	
94.3	1958	29/05	E	Canalsur, African mx, ads.			CANALSUR	good	E	PL	
94.3	1905	31/05	F	Radio France, Creuse, Gueret. om in talk.			RFCREUSE	good	E	PL	
94.3	1812	27/05	HNG	Petofi Radio, Nagykanizsa, om in talk.			_PETOFI_	good	E	PL	
94.3	0646	27/05	I	R Italia. Many listed. Ads			R_ITALIA		E	DS	
94.3	0827	27/05	I	RAI 3, Monte Argentario, classics.			RAI_MF3_	good	E	PL	
94.3	1909	27/05	I	Radio CL1 pop		50FE	RADIOCL1 _CL1_FM_	fair	E	MH	
94.4	1432	22/05	E	RNE 2, Clasica. 2 Listed. Opera			RNE-CLAS		E	DS	
94.4	1443	22/05	E	SER 1. Caceres. // 91.4 Phone in				fair	E	DS	
94.4	1530	22/05	E	Euskadi 1, Jaizquibel, om/yl in talk.			EUSKADII	v good	E	PL	
94.4	1639	22/05	E	SER, talk then pop mx, via			__SER__	fair	E	PL	
94.4	1114	27/05	E	Cadena Cien. Unid site. ID & pop				good	E	DS	
94.4	1222	27/05	E	SER Madrid?, id was "Cadena SER- Madrid"			SER_____	good	E	PL	
94.4	0735	27/05	I	R Maria. Many listed. Singing // 87.9				weak	E	DS	
94.4	1004	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	1248	25/05	POR	RDP-2, Lisbon. Classics.			ANTENA_2	v good	E	PL	
94.4	1156	28/05	POR	Antena 2 OM talk		8202	ANTENA_2	fair	E	MH	
94.4	1823	29/05	POR	RDP-2, Lisbon. Classical music		8202		fair	E	JF	
94.5	1211	28/05	?	un-id // 93.7				weak	E	MH	
94.5	1521	22/05	E	RNE-2, Radio Clasica, Cartagena, classics.			RNE-CLAS	v good	E	PL	
94.5	2144	26/05	E	RNE-3 music		E213	RNE-3___	fair	E	MH	
94.5	2145	26/05	E	RNE-1 talk		E211		brief	E	MH	
94.5	2146	26/05	E	RNE-2 very quiet music AF: 94.5 98.2 92.4		E212	RNE-CLAS	brief	E	MH	
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					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	1657	22/05	POR	Radio Despertar, Extremoz. Folk mx.			ESTREMOZ	good.	E	PL	
94.5	1821	31/05	SVK	R Zilina, yl in talk, Zilina.			_ZILINA_	good	E	PL	

94.6	1253	29/05	E	RNE-1, om in talk about Catalunya		RNE_1____	good	E	PL
94.6	1500a	29/05	POR	Sagres FM, Vila do Bispo.		SAGRESFM	good	E	JF
94.6	1711	27/05	SVN	S-2, Tinjan			v.good	E	PT
94.6	1858	27/05	SVN	VAL202, Mad-donna song, via Tinjan.		VAL_202_	fair	E	PL
94.7	2115	15/05	F	RF Frequence Nord, Lille. Music	F905	RF_FNORD	good	E	MH
94.7	1844	27/05	I	RAI-1 OM talk	5201	RAI_MF1_	good	E	MH
94.7	1433	22/05	POR	2 x UNID Portuguese stations mixing			fair	E	JF
94.7	1455	22/05	POR	un-id OM in PT, adverts			weak	E	MH
94.8	1455	22/05	E	Cadena Dial. Segovia. Spanish vocals		CAD-DIAL		E	DS
94.8	1140	28/05	E	M-80 Radio, Sevilla. Ballad	E21E	M80RADIO	fair	E	IK
94.8	0636	29/05	F	France Culture, Ile Rousse likely. OM talk, fighting Musique	F202		good	E	IK
94.8	0638	29/05	F	France Musiques, Corte or Bonifacio. OM talk	F203	MUSIQUES	good	E	IK
94.8	1656	27/05	HNG	Petőfi Rádió, Budapest. OM talk	B201	_PETOFI_	fair	E	IK
94.8	1719	27/05	HNG	Petőfi. Budapest. OM		_PETOFI_		E	DS
94.9	1855	29/05	E	RNE-3. Pechina. Talks & music		RNE_3____	fair	E	DS
94.9	1630	31/05	E	Unid. ID sounded like Solo Quento. Possibly R Tempo, Barcelona			good	E	DS
94.9	1750	27/05	HRV	HRT-1. Papuk. Drama		HRT-HR_1	good	E	DS
95.0	2017	30/05	?	Unid Radio Blanik, Czech?, pop		_BLANIK_	good	E	PL
95.0	1458	22/05	E	R Euskadi 1. Zaldaran. PI: E301 only despite a good signal.			good	E	DS
95.0	1113	27/05	E	Ondacero R. Villajoyosa. ID and talks		ONCACERO		E	DS
95.0	1253	29/05	E	RNE-1, om in talk about Catalunya		RNE_1____	good	E	PL
95.0	1918	29/05	E	R Euskadi. Zaldaran. OM/YL with talks		DIRECTE_	fair	E	DS
95.0	1919	31/05	F	Nostalgie, Porto Vevchio. // 93.0 old songs	F218		fair	E	JF
95.0	1802	27/05	I	Antenna Adriatica. Nothnig listed this freq.		ANTENNA_		E	DS
						ADRINNA_			
95.0	1004	31/05	I	R Centro 95, ads, via?.		CENTRO95	good	E	PL
95.0	1621	31/05	TUN	RTT. Baihda. YL in Stereo. Arabic sce.			fair	E	DS
95.1	1124	28/05	E	RNE1, om in talk, via		RNE_1____	good	E	PL
95.1	1155	28/05	E	un-id talk	E256		fair	E	MH
95.1	1857	29/05	E	R Mediterraneo? Unid site. OM/YL with traditional music and ID			fair	E	DS
95.1	1628	31/05	E	Unid. PI E256 = Economia, Madrid. Vinilo & Intercontinental listed		ECONOMIA		E	DS
95.1	1846	27/05	GRC	un-id Greek songs	1001	_PANI_	fair	E	MH
95.1	1840	27/05	HRV	HRT-1, 2 sites listed	6341	HRT-HR_1	good	E	JK
95.1	1746	31/05	HRV	HR1, Uljenje, classics.		HRT-HR_1	good	E	PL
95.1	1008	31/05	I	RAI-3, Genoa, jazz.		RAI_MF3_	good	E	PL
95.2	1434	22/05	E	Ondacero R, Oviedo. "Ondacero Oviedo" ID. No fading for ages	E2EE	ONDACERO	fair	E	JF
95.2	1435	22/05	E	Onda Cero R. Oviedo. YL with phone in		ONDACERO	poor	E	DS
95.2	1155	28/05	E	RNE, Andalucia YL song	E811	RNE_AND_	good	E	MH
				RT:'Estamos transmitiendo programacion territorial. * RNE 1-REG *					
95.2	1205	28/05	E	RNE-1 news	E211	RNE_1____	good	E	MH
				RT: 'Radio 1 de Radio Nacional de Espana '					
95.2	1823	29/05	E	RNE-1, Punta Umbria. OM talking	E211	RNE_1____	fair	E	JF
95.2	1830	29/05	E	RNE 1 Punta Umbria. T/sig, ID & News		RNE_1____	fair	E	DS
95.2	1849	29/05	E	RNE-1 OM talk AF: 95.2 91.2 103.5	E211	RNE_1____	good	E	MH
				RT: 'Radio 1 de Radio Nacional de Espana '					
95.2	0730	27/05	F	RF-Le Mouv, Toulouse			fair	E	JK
95.2	1229	27/05	I	RTL, Bari or Bolzano. Pops and OM presenter	5218	RTL102.5	fair	E	JF
95.3	1406	29/05	E	40 Principales, Zaragoza, pop.	CUARENTA	ZARAGOZA	good	E	PL
95.3	2007	27/05	I	R Italia 1, pop, via		ITALIA_1	good	E	PL
95.3	0633	29/05	I	RAI-2, Monte Limbara, Sardegna	5202	RAI_MF2_	good	E	PT
95.3	0657	29/05	I	RAI-2, Monte Limbara. Talk	5202	RAI_MF2_	poor	E	IK
95.3	1753	31/05	I	RAI-2, Monte Limbara, Sardegna		RAI_MF2_	v.good	E	PT
95.4	1522	22/05	E	Cadena Dial, talk, via		CAD-DIAL	good	E	PL
95.4	1530	22/05	E	Cadena Dial, pop, via		CAD-DIAL	good	E	PL
95.4	1125	28/05	E	RNE-3, 2x om + yl talking, 2 sites.		RNE_3____	good	E	PL
95.4	1207	28/05	E	Cadena Dial, Catalunya? om in talk.		CAD_DIAL	good	E	PL
95.4	1608	27/05	HNG	Szeged Radio 88	B303		v.strong	E	PT
95.5	1611	27/05	CZE	Evropa 2, Zlín. Pops	2204	EVROPA_2	fair	E	IK
95.6	1445	22/05	E	Cadena SER, Arosa advert E043	CAD_SER_	AROSA____	good	E	MH
95.6	1700	27/05	I?	UnID. Europop (AF: 91.3, 93.5, 104.9)	55D5		fair	E	IK
95.7	1831	29/05	E	UnID. Pop	E235		excellent	E	IK
95.7	0635	29/05	I	R.Sintony Int Sutio 101 Network, Sussari	54A4	SINTONY_	v.good	E	PT
95.7	0659	29/05	I	R Sintony Int, Sassari. OM talk.	54A4		fair	E	IK
95.7	1937	31/05	I	R.Sintony Int Sutio 101 Network, Sussari	54A4		v.good	E	PT
95.7	1500	26/05	POR	RDP-1, Lisboa	8201		strong	E	PT
95.8	1357	28/05	E	RNE-3, Navacerrada, light pops		RNE_3____	good	E	PL
95.8	1628	31/05	E	RNE 3. Puerto De Naveccerada. OM & music		RNE_3____	good	E	DS
95.9	1620	22/05	E	Ondacero, 2x yl in talk, via		ONDACERO	v good	E	PL
95.9	1831	29/05	E	Onda Cero R. Seville. News		ONDACERO	fair	E	DS

95.9	1005	31/05	I	R Zeta, pop mx, via?.			*R-ZETA*	good	E	PL
96.0	1242	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 98.6 98.8 106.8 RT: 'Radio 3 de Radio Nacional de Espana.	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	Trojka, site? Pop music	3233		_TROJKA_	poor	E	IK
96.0	1658	31/05	S	SR P3, Bollnas, 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, Labinstica, 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	Trojka, site? YL talk	3233			poor	E	IK
96.3	1406	29/05	E	RNe3, eastern mx, via?, Basque/ navarra area			RNE_3__	good	E	PL
96.5	1955	31/05	TUN	INTER	7202		INTER__	good	E	PT
96.7	1454	22/05	E	RNE-3, Jerez de la Frontera. music	E213		RNE_3__	good	E	JF
96.7	1220	29/05	E	Onda Cero Radio. Cartagena. Om with news			ONDACERO	fair	E	DS
96.7	1824	29/05	E	RNE-3, Jerez de la Frontera. Daft Spanish song	E213			good	E	JF
96.7	1832	29/05	E	RNE 3. Jerez. Singing			RNE_3__	good	E	DS
96.7	1710	27/05	HNG	Slager Radio, Csavoly	B206		_SLAGER_	v.strong	E	JK
96.7	1726	27/05	HNG	Slager Radio, Csavoly	B206		_SLAGER_	strong	E	PT
96.7	2020	28/05	HNG	Petofi Radio, Sopron	B201		_PETOFI_	v.strong	E	PT
96.8	1925	31/05	F	France Inter, Probably Porto Vecchio but Bastia also here from same dept (20). OM talking	F201			fair	E	JF
97.0		27/05	SVK	R.KIKS, Michalovce					E	TB
97.1	1407	29/05	E	Cadena Dial, ads.			CAD-DIAL	v good	E	PL
97.1	1835	29/05	E	SER/40, Sevilla. Promotional spot	E035		ZARAGOZA	fr/good	E	JF
97.1	1227	27/05	GRC	Star FM, 3 stations. OM in Greek, English pop music. ID clearly heard but three listed on channel!			CUARENTA	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.Barbagia, Nuoro	56FA		BARBAGIA	v.good	E	PT
97.2	0654	29/05	I	R Barbagia, Nuoro. Pops	56FA			poor	E	IK
97.2	1741	31/05	I	RAI MF2, ads, via?.			RAI_MF2_	good	E	PL
97.2	1926	31/05	I	R Barbagie, Nuoro. Pop song	56FA		BARBAGIA	good	E	JF
97.2	2027	28/05	SVK	S1 Slovensko-1, Zilina	5201			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_	EX	E	PL
97.3	0740	31/05	F	France Inter, Strasbourg, yl talk.				fair	E	PL
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 Urbara, Indian mx.			RAI_MF3_	v good	E	PL
97.3	0809	27/05	I	RAI-3, Punte Badde Urbara. 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			_TOLDEO_			
97.4	1111	27/05	E	RNE 1. Valencia. OM with Talks			RNE_1__	v good	E	PL
97.4	1223	28/05	E	RNE1, regional, Valencia area, om talk			RNE_1-CV		E	DS
97.4	1346	28/05	E	Cope Toledo, talk about religion.			RNE_1-CV	good	E	PL
97.4	1849	29/05	E	R Comercial, Lisbon. Ads	8203		_COPE__	v good	E	PL
							_TOLEDO			

97.4	1622	31/05	E	Cadena Cope. Unid site. Om & YL		__COPE__	good	E	DS	
						C._REAL_				
97.4	1841	31/05	F	France Inter, Avignon, om talk.			fair	E	PL	
97.4	1853	30/05	POL	P. R. Koszalin, om in talk		_POLSKIE	good	E	PL	
						KOSZALIN				
97.4	1247	25/05	POR	R. Commercial, Lisbon. Pop mx.		COMRCIAL	v good	E	PL	
97.5	1836	29/05	?	UNID. Arabic in mono. Not // 96.0			fair	E	JF	
97.5	1820	27/05	AUT	OE1, Linz, religion.		OE_1____	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, Faeroe 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	5667	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	1842	31/05	?	Radio Hviezda, pop, CZE or SVK?.		HVIEZDA_	good	E	PL	
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	1837	27/05	SVN	VAL 202, Trdinov vrh, pop.		VAL_202_	good	E	PL	
97.7	1450	26/05	E	CAD-CIEN			v.strong	E	PT	
97.7	1623	27/05	E	R.Asturia, ??				E	TB	
97.7	1630	31/05	E	Cadena Cien, Osuna Siete R, Sevilla. Pop music. Probably a local opt-out. E058		__RADIO_	_97.7MHZ	good	E	JF
						CAD-CIEN	__SIE7E_			
97.7	1152	27/05	GRC	R St Lehovovo, Florinas music, adv's, ID's	1000		good	E	MH	
				__DATE__ 20_Apr00 Sa_14:VO KASTORIA PTOLE/DA						
				KOZANH GREBENA_ _EDESSA_ IOANNINA TRIKALA_						
				_RADIO__ _STATION LEHOVOU_ 971_MHz_ FOR_ALL_						
				GREECE _RADIO__ _LEHOVO_ EIDHSEIS MAGAZINO						
				_BBC__ _DWELLE_ R/LEHOVO _971_MHz_ THE_BEST						
				MUSIC _ON_THE_ _AIR__ 24_HOURS _FM_971_						
				TEL_ 86 __71110_ __71444_ ON_LINE_ _STUDIO_						
				DIGITAL _FM_971_ _FM_974_						
97.7	1716	27/05	HRV	HR-3. Papuk	6343	HRT-HR3_	v.strong	E	PT	
97.7	1940	28/05	POL	BLUE FM, Wieliczka	3099	BLUE_FM_	strong	E	PT	
97.9	1203	28/05	POR	Antena 1 (drilling sound, but RDS worked fine)	8201	ANTENA_1	good	E	MH	
98.0	1622	22/05	E	Unid spanish station, pop, via		_NORPEA_	fair	E	PL	
98.0	1614	29/05	E	Cad Cope, Sierra Norte, Alanis, pop mx		__COPE__	v good	E	PL	
						SIERRA				
						NORTE__				
98.0	1433	22/05	F	Radio Gazelle, Marseille. Arab mx, in AA and FF. Om DJ.		GAZELLE_	EX	E	PL	
98.0	1343	22/05	I	R Margherita, Oristano (OR), Sardinia slow songs	5043	MARGHRTA	good	E	MH	
98.0	2004	27/05	I	Latmiele, light pops, via		LATMIELE	good	E	PL	
98.0	1708	27/05	I?	Unid. Pop music (probably RAI-1)	5201		poor	E	IK	
98.1	1346	28/05	E	SER, vocal id, Analucia likely.		__SER__	good	E	PL	
98.1	1824	29/05	E	Cadena SER, Ibiza?. YL talking on phone. Then with ID: "Cadena SER en Andalucia" Don't know if this is a standard ID	E239	__SER__	fair	E	JF	
98.1	1915	31/05	F	Skyrock, Ajaccio. OM talking to YL on phone	F214	SKYROCK_	fair	E	JF	
98.1	1257	27/05	HRV	HRT-2, Celevac. Human League // 98.5			weak	E	JF	
98.1	1717	27/05	HRV	HR-2, 2 listed	6342	HRT-HR2_	v.strong	E	PT	
98.1	1918	27/05	HRV	HR2, 2 sites.		HR_HR_2	good	E	PL	
98.3	1216	27/05	BUL	Darik R, Sofia pop AF: 87.9 96.4 98.3 100.4 106.2	8203	__DARI	fair	E	MH	
98.3	1825	29/05	E	COPE, Ribadesella. OM talking	E062	CAD-COPE	fr/good	E	JF	
98.3	2006	28/05	HNG	R Danubius, Miskolc News, Sport, ID, promos	B205	DANUBIUS	fair	E	MH	
98.3	1757	27/05	I	R Dim Suono. 2 listed. Ads		DIMSUONO		E	DS	
98.5	1247	27/05	HRV	HRT-2, Sljeme. Human League song	6342	HRT-HR_2	fair	E	JF	

98.6	1541	22/05	E	M80 Radio, pop, via		M80RADIO	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___		E	DS	
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			weak	E	MH	
99.2	1824	27/05	I	PUBLIRAD	50C3	PUBLIRAD	strong	E	PT	
99.2	0642	29/05	I	RAI-3, Monte Caccia, Puglia	5203	RAI_MF3_	v.good	E	PT	
99.2	1211	28/05	POR	Antena 1 song AF:88.9	8201	ANTENA_1	fair	E	MH	
99.2	2021	28/05	SVK	Fun Radio, Zilina, Krizava	2311	FUNRADIO	v.good	E	PT	
99.2	1744	29/05	TUN	ERTT English ballads	7202	INTER___	good	E	MH	
99.25	1604	31/05	I	Latmiele, talk about Lebanon, via?.		LATMIELE	good	E	PL	
99.3	1550	22/05	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		E	DS	
99.3	1303	29/05	E	RNE2, Clasica, classics, via?		RNE-CLAS	good	E	PL	
99.3	1845	31/05	F	France Inter, Puy, om talk, good on dipole.		_INTER__	good	E	PL	
99.3	1940	31/05	I	RAI 3. 3 listed. Classical music		RAI-MF3_	fair	E	DS	
99.3	1940	31/05	I	RAI-3, Monte Caccia, Puglia	5203	RAI_MF3_	v.good	E	PT	
99.3	2132	31/05	I	Radio???- 105, ads, brief.			fair	E	PL	
99.4	1540	22/05	E	Ondacero, talk, ads via		ONDACERO	fair	E	PL	
99.4	1255	28/05	E	Ondacero, om in talk about hisory of Asturias, Via? Asturias?.		ONDACERO	good	E	PL	
99.4	1218	29/05	MRC	RTM. Meghrez. French service. OM in French. Lots of Moroccan names.			clear	E	DS	
99.4	2012	28/05	POL	PR-3, Krakow OM/YL AF: 99.7	3233	_K W_	fair	E	MH	
99.4	1835	29/05	POR	Lagoa FM. Lagoa		LAGOA_FM	fair	E	DS	
99.4	1801	31/05	SVK	R Forte, Trnava, pop,		_FORTE__	good	E	PL	
99.5	1621	29/05	GIB	BFBS2, Gibraltar, football coverage.			fair	E	PL	
99.5	1237	27/05	I	R Parsifal (LE) pop 5020		PARSIFAL LA_VITA_ _205205_	_MUSICA_ _0832_ _TI__	fair	E	MH
99.5	1604	31/05	I	Radio Rolle, pop, via?.		ROLLE___	good	E	PL	
99.6	1846	29/05	?	North African sounding station. French presenter with Arabic words. In mono			good	E	JF	
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		SEVILLA_ 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 RT: 'Polskie Radio SA, Program Trzeci RT: 'ul Mysliwiecka 3-5-7, 00-977 Warszawa		_POLSKIE _TROJKA_ Niedziel	_RADIO_ PRZEMYSL 00_05_28	good	E	MH
99.7	1322	29/05	E	RNE3, jazz. Via?		RNE_3___	good	E	PL	
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.		HR_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	
99.75	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	
99.9	1446	22/05	E	RNE-3, Castropodame. 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		E	TB	
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!		ALBANIA_	v good	E	JF	
100.0	1247	27/05	I	Italia R, Lucca. ID heard in pile-up, just before Albania popped up!			good	E	JF	
100.1	2002	28/05	SVK	Rock FM, Zilina, Krizava	5203	ROCK_FM_	v.good	E	JK	
100.1	2023	28/05	SVK	Rock FM, Zilina, Krizava	5203	ROCK_FM_	v.good	E	PT	
100.2	1215	28/05	E	Onda Rambla, Lleida, pop.		_RAMBLA_ _LLEIDA_	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	

100.4	1434	22/05	F	RTL, Toulon/ Hyeres Dept 83. Pop mx. Talk in AA/ FF		__RTL__	v good	E	PL
100.4	1916	31/05	F	R Corse Frequenza Mora, Ile Rousse. French pop song	FA05	R.C.F.M.	good	E	JF
100.4	1707	27/05	HNG	Slager Radio, Szentes, pop.			good	E	PL
100.4	1557	31/05	I	R Maria, religion, via?.		R_MARIA_	good	E	PL
100.4	1555	27/05	SVK	SR S-1 YL talk	5201	SRO_-_S1	good	E	MH
100.5	1216	29/05	E	Quarenta Los 40 Principales. Elda. Jingle and vocal		CUARENTA	good	E	DS
100.6	1916	28/05	POL	PR-Jasna Gora				E	TB
100.6	1837	29/05	POR	Unid. 2 Om talking in Portuguese.	803D		fair	E	DS
100.7	1930	28/05	POL	R.MARYJA English ann.			v.strong	E	PT
100.8	1747	27/05	HNG	Slager R, site? Boney M's "Ma Baker"	B206	__SLAGER_	good	E	IK
100.9	1231	27/05	BUL	R Horizont, Botev Vrah or Varna. Bulgarian music			weak	E	JF
100.9	1838	29/05	E	RNE 1. Pechina. Phone rpt		RNE_1__	qrm	E	DS
100.9	1846	29/05	E	RNE-1, Pechina. Phone in	E211	RNE_1__	fair	E	JF
100.9	1755	27/05	I	R Dolomiti. Trento. EG vocals.	5F88	__*_0461		E	DS
						DOLOMITI			
100.9	1845	28/05	SVK	Radio Koliba, Kralova Hola	534F	R-KOLIBA	v.good	E	JK
100.9	1928	28/05	SVK	Radio Koliba, Kralova Hola	534F	R-KOLIBA	v.strong	E	PT
101.0	1847	29/05	E	Onda Jerez, Jerez de la Frontera. Possible SER ID in this??			v good	E	JF
101.1	1217	29/05	E	Cadena Dial, site? Spanish ballad	E274	__DIAL__	fair	E	IK
101.1	0728	29/05	I	R Sintony Intl, Cagliari. "Grazie Luigi, R Sintony"	54A4		fair	E	IK
101.1	1946	28/05	POL	RMF FM OM/YL talk	3F44		fair	E	MH
101.2	1927	31/05	F	NRJ, Ajaccio. Madonna song	F220		v good	E	JF
101.2	1840	29/05	POR	Kiss FM. Albufeira. EG DJ & Pop. Local ads.			fair	E	DS
101.3	1758	31/05	D	Hitradio Antenna?", Bavaria?			good	E	PL
101.3	1631	31/05	E	R Formula 1, Cordoba. Rock music	E331	Formula1	good	E	JF
101.3	1125	28/05	POR	RDP3, Gardunha, om in talk.		ANTENA_3	good	E	PL
101.4	1554	27/05	CZE	CR-1 pop	232F	__CR_1__	good	E	MH
101.4	1645	29/05	E	Ondacero, Andalucia, pop, via?.		ONDACERO	good	E	PL
101.4	2001	30/05	POL	RadioZet, Suwalki, pop mx.		RADIOZET	good	E	PL
101.4	1500a	29/05	POR	R Pax, Beja. ID by OM between pops			fair	E	JF
101.5	1438	22/05	E	UNID. Spanish vocals. PI code E238		RA..OME_		E	DS
101.5	1446	22/05	E	R Ole, Sevilla. Spanish music	E238	RADIOLE_	strong	E	JF
101.5	1456	22/05	E	RADIOLE	E238		good	E	PT
101.5	1635	22/05	E	Radio Ole, pop RT message in English, via		__RADIOLE	good	E	PL
101.5	1121	28/05	E	R Ole, site? "Radio Ole" jingle	E238	RADIOLE	fair	E	IK
101.5	1359	28/05	E	SER, om in talk, via?		__SER__	good	E	PL
101.5	1649	29/05	E	Radiole, Sevilla. ID heard. Spanish music	E238		good	E	JF
101.5	1848	29/05	E	Cadena SER, R Ubeda, Andalucia? OM talking to another OM!	E239	__SER__	fair	E	JF
					5365	R_P_ZERO	strong	E	PT
101.5	1742	27/05	I	R.Punto Zero,	5365	R_P_ZERO	v good	E	PL
101.5	1748	31/05	I	Radio Punta Zero, full RT, via?		R.P_ZERO	v good	E	PL
101.6	1445	22/05	E	Onda Cero R, Teruel.	E2EE	FM_101,6	v good	E	JF
						__ONDA__			
						__BIERZO__			
101.6	1142	28/05	E	Unid, yl in talk		PTEAREAS	fair	E	PL
101.6	1255	29/05	E	RNE1, Ibiza regional, om in talk		RNE1-IB_	good	E	PL
101.6	1618	29/05	E	English Language station, Marbella, Ocean Radio?, talk show			v good	E	PL
101.6	1827	29/05	E?	UNID. Irish accented OM talking about travelling on the road to Fuengirola.			good	E	JF
101.7	1607	22/05	E	Flash FM, Manresa, pop.		FLAIX_FM	good	E	PL
101.7	1136	28/05	E	RNE1, om in talk, several sites listed.		RNE_1__	good	E	PL
101.7	1205	27/05	GRC	R Panorama, Florinas pop	1055	radio__	good	E	MH
						101,7fm_			

101.8	1248	27/05	BIH	R Velkaton, Drvar. REM song. Pop music PTY "VELKATON 101,7...." included in RadioText	AB05	VELKATON	fair	E	JF
101.8	1949	27/05	BIH	Radio Velkaton, Drvar, Boney M song, listed on 101.7.		VELKATON	good	E	PL
101.8	1409	29/05	E	Cope station, om/ yl talk, Basque or Navarra?.		__COPE__	good	E	PL
101.8	0649	29/05	F	RF Corse Frequenza Mora, 2 sites. Latin music	FA05	R.C.F.M.	excellent	E	IK
101.8	1918	31/05	F	R Corse Frequenza Mora, Bocognano. Listed 15 watts! French pop song	FA05	R.C.F.M.	good	E	JF
101.8	1945	31/05	F	RC FM? Unid site. French Vocals		R.C.F.M.	fair	E	DS
101.8	1808	27/05	I	UnID. Visage's "Fade To Grey" (R Base?)	5341		fair	E	IK
101.8	1006	30/05	I	un-id pop music	5207		fair	E	MH
101.8	0735	29/05	TUN	ERTT Internationale, Biadah (tent). French YL in echoey studio			poor	E	IK
101.9	1308	29/05	E	SER station, Catalunya presumed		__SER__	good	E	PL
101.9	2001	29/05	E	Formula 1, pop.		FORMULA1	good	E	PL
101.9	2000	29/05	MRC	RTMA, Oujda, "Idha Rabat", om in talk.			v good	E	PL
101.9	1536	29/05	POR	RDP Antena 3, Monchique. OM ID, pops			weak	E	IK

102.0	1236	28/05	E	Radio Espana 102, talk, Valencia area?		R_ESPANA_102.0FM	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 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__	3417		good	E	MH
102.0	1948	28/05	POL	PR Rzeszow OM talk	3417	WITAMYz_lub_557_ TESTAN01_102FM__	good	E	MH
102.0	1200	28/05	POR	102 FM Radio adverts RT: '102 FM RADIO INTONIZE A EGIAO !	80A9		good	E	MH
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 - "sort of"	11FF		fair	E	IK
102.4	1146	28/05	E	Cadena Dial, site? YL talk	E274	CAD-DIAL	poor	E	IK
102.4	1148	28/05	E	Cadena Dial, Sevilla songs	E274	CAD-DIAL_SEVILLA_	good	E	MH
102.4	0900	30/05	I	RTL, several sites. ID at top of hour // 102.5	5218	RTL102.5	v good	E	JF
102.5	1049	30/05	?	UNID BBC WS relay. English station, only mono! Sports news, UK football teams. Very poor "watery" audio.			good	E	JF
102.5	1841	29/05	E	AFRTS Rota. NPR relay			fair	E	DS
102.5	1850	29/05	E	Catalunya Musica, Monte Cavo? OM over Spanish music	E231		fr/good	E	JF
102.5	1839	29/05	E?	UNID. Same Irish accented OM // 101.6. Talking to OM with American accent at one point. Audible for over 15 minutes, fading in and out of pile-up on channel. AFRTS Rota? If so, what is 101.6?			good	E	JF
102.5	0900	30/05	I	RTL, at least 19 sites listed!. ID at top of hour // 102.4			fair	E	JF
102.9	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	B201	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	???'N???	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_STUDIO_D	good	E	PL
103.0	1444	22/05	POR	UNID. OM talking in Portuguese	8232		fair	E	JF
103.1	1146	28/05	E	un-id	E213		weak	E	MH
103.1	1930	29/05	E	RNE3, spanish mx, Andalucia		RNE_3__	good	E	PL
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 English ID: "ROA Your Radio" *R.O.A.*_RADIO__ORIZZONT_ACTIVITY __PIU'__ _UNICA__ _CHE__	5A37		good	E	MH
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	8221	__RR__	good	E	MH
103.5	1551	22/05	E	Radio Nou, pop, via		RADIO_9_	good	E	PL
103.5	1700	22/05	E	RNE1, Jerez, News.		RNE_1__	fair	E	PL
103.5	1147	28/05	E	RNE-1, Andalucia YL/OM talk	E811	RNE1-AND	good	E	MH
103.5	1649	29/05	E	RNE-1, Jerez de la Frontera. OM & YL talking	E211	RNE_1__	fair	E	JF
103.5	1843	29/05	E	RNE 1. Jerez. Talks		RNE_1__	fair	E	DS
103.5	1855	29/05	E	un-id (Canal Sur?) OM/YL talk	E332		fair	E	MH
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 *TOP_40* DIMSUONO *_ROMA_*	5E65		good	E	JF
103.6	1538	27/05	POL	R Plus, Tarnow OM, mx RT: 'RADIO *PLUS* TARNOW 103.6 FM BEMA 14 TEL-014-6275050*****' __PLUS__ _103.6__ _TARNOW__ _PLUS__ _101.2__ _NOWY__ _SACZ__ _PLUS__ _88.3__ KRYNICA__ _WIEMY__ CO_SIE__ SWIECI__ _####_ __17:38 27/05/00	30FF		good	E	MH

103.6	2028	28/05	POL	R Plus, Tarnow	music, OM	30FF		good	E	MH
					103.6 _TARNOW_ _PLUS_ _101.2_ _88.3_ _WIEMY_ CO_SIE_ SWIECI_ 28/05/00					
103.7	1942	27/05	D?.	RDS was Antenne, pop mx.	Antenna Bayern, Traunstein pres.		ANTENNE_	good	E	PL
103.7	1251	28/05	E	Radio nou, Valencia area,	outdoor broadcast,		RADIO_9_	good	E	PL
103.7	0650	29/05	I	R Dimensione Suono, Sassari.	Europop	5264	DIMSUONO	excellent	E	IK
103.7	1147	28/05	POR	Nostalgia, via?, om talk			NSTALGIA	good	E	PL
103.7	1810	31/05	SVK	Rock FM, Sturovo,	Doobies song.		ROCK_FM_	good	E	PL
103.8	1946	28/05	?	UnID. Pop.	3001		_NOCY_ _DLA_ PANSTWU_ _DOBREJ_ 103.8_FM	fair	E	IK
103.8	1700	27/05	AUT	FM4 Wien, News in English	about N. Ireland!.			good	E	PL
103.8	1730	27/05	AUT	OE 4. Vienna (Wien)			_FM4_		E	DS
103.8	1102	27/05	E	SER. Benidorm.	Sport		_SER_	fair	E	DS
103.8	1228	28/05	E	SER, valencia area,	presumed, pop mx		_SER_	good	E	PL
103.8	1537	27/05	POL	un-id YL talk,	song	3001	_RZESZOW	fair	E	MH
103.8	0755	27/05	VAT	Vatican Radio, in English,	religion.			good	E	PL
103.9	1655	29/05	E	Unid, pop mx funny	RDS,		103, IOHZ	good	E	PL
103.9	1924	27/05	SVN	SLO3, Kum,	classics.		_SLO_3_	good	E	PL
104.2	1451	22/05	E	SINFO RADIO, Barcelona		E276		v good	E	PT
104.2	0855	30/05	I	R Italia, 3 listed.	Italian OM & guitar music // 104.7			fair	E	JF
104.3	1755	31/05	CZE	Radio Faktor, Ceske	Budjovice, pop		_FAKTOR_	good	E	PL
104.3	1539	22/05	E	Cadena Dial,	pop		CAD_DIAL	v good	E	PL
104.3	1318	29/05	E	RNE1, om with News.	Via?.		RNE_1_	good	E	PL
104.3	1502	22/05	F	Radio Monte Carlo,	Marseille. Om talk/ ads.		_R_M_C_	v good	E	PL
104.3	1928	31/05	F	RMC, very likely Ajaccio	but many others here. Pop music	F216	_R_M_C_	good	E	JF
104.3	0855	30/05	I	R Italia, 3 listed,	poss Frosinone?. Italian OM & guitar mx // 104.7			good	E	JF
104.3	1559	27/05	SVK	Rock FM Rock music,	nx, sport	5203	ROCK_FM_	good	E	MH
				RT: 'ROCK FM RADIO P O BOX 90 817 90 BRATISLAVA 15 TEL 5249 89 25-6 '						
104.3	1816	31/05	SVK	Rock FM Poprad.	pop mx.		ROCK_FM_	good	E	PL
104.4	1546	22/05	E	RNE1, La Muela,	2x yl on phone.		RNE_1_	v good	E	PL
104.4	1904	27/05	I	Radio Piu, Italian with	voc id, via?.			fair	E	PL
104.4	2046	27/05	I	Radio Monte Carlo,	ads, vai		_RMC_FM_	good	E	PL
104.5	1923	27/05	SVN	Radio Ognjisce,	Krvavec, classics.		OGNJISCE	good	E	PL
104.7	1719	27/05	HNG	Bartok Radio,	Nagykanizsa	B202	_BARTOK_	v.strong	E	PT
104.7	1228	27/05	I	un-id adverts,	Virgin Drinks, Brittany Spears			fair	E	MH
104.7	0855	30/05	I	R Italia, Massa Carrara	likely. Italian OM & guitar music // 104.2.		R_ITALIA	good	E	JF
				Jingle heard a few minutes later with very very very very very repetitive ID!		5220				
104.8	1533	22/05	E	RNE1, Aitana,	talk.		RNE_1_	good	E	PL
104.8	1700	22/05	E	Ondacero News,	via		ONDACERO	good	E	PL
104.8	1844	29/05	E	Canal Sur R. Andalucia	(likely) Om Phone in		CanalSur	poor	E	DS
104.8	1937	29/05	E	Canal Sur,	Flamenco mx. via?		CANALSUR	good	E	PL
105.1	1457	26/05	E	Radio Le		E238		v.strong	E	PT
105.1	1145	28/05	E	un-id YL talk,	song	E332		fair	E	MH
105.1	1410	28/05	E	40 Principales,	pop mx.		CUARENTA	good	E	PL
105.1	1844	29/05	E	Canal Sur R. Sevilla.	Phone in		CanalSur	good	E	DS
105.1	1727	27/05	HNG	Bartok. Komadi.	Classical music		Bartok		E	DS
105.1	1806	27/05	HNG	MR-3, Bartok Radio	reklama, OM, class mx	B202	_Bartok_	good	E	MH
105.2	1215	29/05	E	Onda Cero, Valladolid	(pres from PI code). YL reporter	E201		poor	E	IK
105.2	1319	29/05	E	Radio Nou, Valencia	area, pop mx, via?		RADIO_9_	v good	E	PL
105.2	1940	29/05	E	RNE1, San Roque,	talk.		RNE_1_	good	E	PL
105.2	1928	31/05	F	Fun Radio, Ajaccio.	OM with pops		_F_U_N_	good	E	JF
105.3	1522	22/05	E	Onda Reg, Valencia	area		ONDA_REG	good	E	PL
105.3	1214	29/05	E	Onda Cero Regional	de Murcia. Carrasco (Murcia). OM with talks		ONDA-REG	good	E	DS
105.3	1845	29/05	E	RNE 3. Mellila.	Talks		RNE_3_	qsb	E	DS
105.3	1727	27/05	HNG	Bartok. Budapest.	Classical music		Bartok		E	DS
105.3	1720	27/05	HRV	HR R.Osijek,	Vinkovci-Borinci	644C	R-OSIJEK	v.strong	E	PT
105.3	0900	30/05	I	RTL, several sites,	possibly Bari?. News	5218		good	E	JF
105.4	1931	29/05	E	RNE1, Sierra	Almaden, talk.		RNE_1_	good	E	PL
105.4	2024	27/05	I	Radio Monte Carlo,	ads, via		_RMC_FM_	good	E	PL
105.7	1954	27/05	SVN	SLO3, classics,	Pohorje.		SLO_3_	good	E	PL
105.8	1100	27/05	E	RNE 5. Santa Pola.	T/S, ID and News in mono		RNE_5_		E	DS
105.8	1230	28/05	E	Unid station in	Valencia area, talk about Valencia.			fair	E	PL
105.8	1326	29/05	E	Unid RNE local	station, brief id,			fair	E	PL
105.8	1937	29/05	E	SER, pop mx	via?		SER105.8	good	E	PL
105.8	2006	29/05	E	Formula 1, 50's	pop. via?.			fair	E	PL
105.8	1138	28/05	POR	Radio Renascena,	Arrabida, rlg mx.			fair	E	PL
106.0	1534	22/05	E	Ondacero, talk,	Valencia area		ONDACERO	v good	E	PL

106.0	2032	27/05	I	Dim Suono, yl with pop song, via		DIMSUONO	good	E	PL
106.0	0906	30/05	I	R Capital pop music AF: 88.1 104.9 88.0 89.1 92.8 104.5 104.8 107.4 92.7	5219	_CAPITAL	good	E	MH
106.0	1138	28/05	POR	Radio Rnascena, Lousa, Rlg mx.		__RR__	good	E	PL
106.0	1731	27/05	SVK	R Koliba, Banská Bystrica. "Party In The Park"	534F		poor	E	IK
106.1	1212	29/05	E	Onda Cero R. Roqueta De Mar. YL with news		ONDACERO	good	E	DS
106.1	1846	29/05	E	Onda Cero R. Arquetas Do Mar. Talks		ONDACERO	good	E	DS
106.2	1539	22/05	E	Cadena Cien, yl dj on phone, via		CAD-CIEN	v good	E	PL
106.2	2008	27/05	I	Radio Italia, It pop mx, via		R_ITALIA	good	E	PL
106.2	2033	27/05	I	Subasio, yl with light pops, via		SUBASIO_	good	E	PL
106.3	1447	22/05	E	RNE-5, San Cristobal or Chinchilla. OM & YL in Spanish	E215		good	E	JF
106.3	1707	22/05	E	SER, ads and latin mx, via		__SER__	good	E	PL
106.3	1211	29/05	E	RNE 5. Unid site.		RNE_5__		E	DS
106.3	1937	29/05	E	RNE5, vocal id, via?			fair	E	PL
106.3	1654	02/06	E	RNE-5, suspect San Cristobal. "Radio Cinco" ID, "Noticias"			fair	E	JF
106.3	0854	30/05	I	UNID. R Time or RTL?? Neither listed. Pop music	5317	_R.TIME_ _RTL_NA_	fair	E	JF
106.4	2016	27/05	I	Dim Suono, pop mx, via		DIMSUONO	good	E	PL
106.4	1449	22/05	POR	Nostalgia, Beja or Evora. Rubettes song // 106.7		NSTALGIA	good	E	JF
106.5	1222	27/05	?	un-id pop, YL adverts			fair	E	MH
106.5	1717	27/05	CZE	CR Brno Chatanooga Choo Choo RT: 'CRO BRNO 106,5 93,1 ZLIN 97,5 JIHLAVA 87,9 107,1 HO 93,6 ZN 97,3'	2A02	CR_BRNO_	good	E	MH
106.5	1653	02/06	E	UNID. R 106.5? "Radio 106.5". ID between pop songs. Probably just a slogan rather than the station name			good	E	JF
106.6	1842	27/05	?	Station in former YU maybe Bosnia, om in talk		VRATA__ HORMANN_	good	E	PL
106.6	0906	30/05	I	R Lattemiele, possibly Bari. Rock song	5105	TEL.06__ 43598889 _RADIO__	fair	E	JF
106.7	1533	27/05	?	un-id adverts and pop			fair	E	MH
106.7	1813	31/05	CZE	CR Plzen city, mx.		CR_PLZEN	v good	E	PL
106.7	1230	29/05	E	RNE. Only RNE 5, Javalambre listed. YL ID & Info			good	E	DS
106.7	1449	22/05	POR	Nostalgia, Portalegre. Rubettes song, full radiotext	8332	NSTALGIA	v good	E	JF
106.8	1710	27/05	HNG	Bartok. Gyor. Light classical		_Bartok_		E	DS
106.8	1730	27/05	HNG	Bartók, Győr. // 107.3	B202	_Bartok_	fair	E	IK
106.85	2013	27/05	I	Radio Maria, talk about the Pope, via		R_MARIA_	good	E	PL
106.9	1812	31/05	D	Hitradio Antenna?", Bacaria?., ads			fair	E	PL
106.9	1244	28/05	E	Cope, om/ yl in talk, via?.		__COPE__	good	E	PL
106.9	1632	27/05	I	R Dimensione Suono Spice Girls	5264	DIMSUONO	good	E	MH
106.9	1640	27/05	I	?Kiss Kiss? OM, adverts	531F	KKITALIA	good	E	MH
106.9	1712	27/05	I	R Capital pop, jingle ID	5219	_CAPITAL	fair	E	MH
106.9	0905	30/05	I	UNID. Italian pop song	522C		fair	E	JF
107.0	1638	27/05	I	R Maria talk	51CC	R.MARIA_	fair	E	MH
107.0	1711	27/05	I	R Norba rock/pop	5353	R-NORBA_	fair	E	MH
107.0	1955	27/05	I	Radio Maria, Religion. via		R_MARIA_	good	E	PL
107.1	1932	31/05	?	UNID English station, English adverts, no clues. British English accent so probably not SEBS. Another mystery.			good	E	JF
107.1	1056	27/05	E	UNID. OM/YL.	LARI1_FM RADIO__ 98.7_FM_	CASTELLO LABIBERA 107.1_FM		E	DS
107.1	1230	28/05	E	Radio Laribera, awful pop, Valencia area?		LARIBERA	good	E	PL
107.1	1932+	31/05	F	France Info, Hyeres. Unattended reception		__INFO__	good	E	JF
107.2	1219	27/05	?	un-id adverts Discoteka Paradiso			good	E	MH
107.2	1743	27/05	?	un-id pop	0003	FM_107,2 TEL_041_ 282001-2 **O.K.**	fair	E	MH
107.2	1850	27/05	?	un-id (as above at 1743) pop	0003	FM_107,2 TEL_041_ 282001-2 **O.K.**	fair	E	MH
107.2	1900	29/05	E	UNID RNE. ID "R Nacional d'Espana", don't know which network! Top of the hour - news. unlisted			fair	E	JF
107.2	1709	27/05	HNG	Slager Radio? UNID site. German vocals		_SLAGER_	good	E	DS
107.2	1711	27/05	I	R Norba rock/pop	5353	R-NORBA_	good	E	MH
107.2	2013	27/05	I	Radio Capital, sport, via		_CAPITAL	good	E	PL
107.3	1727	27/05	HNG	Bartók, Szentes. Flute music	B202		fair	E	IK
107.3	1741	27/05	HNG	MR-3, Bartok Radio classical music	B202	_Bartok_	good	E	MH
107.4	2000	28/05	POL	Radio Zet, Koszalin OM news	3205	RadioZET 22:00__	good	E	MH

107.5	1633	27/05	I	Tour Radio pop, DJ		5446	__TOUR__	good	E	MH
107.5	0855	30/05	I	R Tour, Napoli. Modern R&B pops		5446	__TOUR__	good	E	JF
107.5	0907	30/05	I	Kiss Kiss Network, Massa Carrara likely. James Brown song. DJ mentioned Frosinone. Jingle ID		5225		good	E	JF
107.5	1840	29/05	POR	Nostalgia, Faro. YL in Portuguese with pops in background		8332	NSTALGIA	v good	E	JF
107.6	2012	27/05	I	RadioMaria, om with religious talk, via			R_MARIA_	good	E	PL
107.6	2036	27/05	I	Unid with pop mx,			_SZZUR_	good	E	PL
107.6	0847	30/05	I	R Azzurra (AP) pop music 55D5 AF: 91.3 95.6 95.8 107.6 99.8 101.0 105.2		*AZZURRA _AZZURRA COME_TE! _ASCOLTO __0735__	RADIO____ _GRANDE_ __BUON_ INFOLINE _587080_	good	E	MH
107.6	0904	30/05	I	R Subasio pop music		53FD	SUBASIO_	good	E	MH
107.8	2003	27/05	I	Radio Baccano, pop, via?			BACCANO_	good	E	PL
107.8	0857	30/05	I	R Radicale, several sites. YL talking		5210	_RADIO_* RADICALE	good	E	JF
107.9	1147	28/05	E	UnID, Malaga? Many mentions of Malaga				good	E	IK
107.9	1735	27/05	HNG	Bartók, Sopron. // 106.8				good	E	IK
107.95	1714	27/05	I	un-id				fair	E	MH
108.0	1715	27/05	I	un-id				fair	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	Trento		PI: 5214			232
100.4	1039	30/05	HNG	Slager Radio	Szentes		PI: B206 PS: _SLAGER_			444
101.5	1859	29/05	E	Radiolé Sevilla	Sevilla		PI: E238 PS: RADIOLE_			444
101.6	1448	28/05	I	R Gamma Uno	Catania		PI: 53FA			332
101.9	1207	29/05	E	Formula 1	Sierra Norte		PI: E331 PS: Formula1			444
103.5	1209	29/05	E	RNE 1	San Cristóbal		PI: E211 PS: RNE_1__			444
103.5	1900	29/05	E	RNE 1	San Cristóbal		PI: E211 PS: RNE_1__			444
103.25	1449	28/05	I	R Dimensione Suono	Catania		PI: 5264			344
103.5	1450	28/05	I	R Maria	Potenza		PI: 51CC			444
104.8	1903	29/05	E	Onda Cero	Badajoz		PI: E2EE			333
105.1	1901	29/05	E	Canal Sur Radio	Sevilla		PI: E332			433
105.7	1451	28/05	I	R Etna Espresso	Catania		PI: 51FF PS: _R_ETNO_			444
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: 5D00 PS: ??ITAL??			---
106.7	1504	28/05	I	R Maria	Beluono/Bolzano					322
107.7	0444	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	0430	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__ PRKRAK_R			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__			---
87.7	1327	23/05	NOR	NRK P1	Sigerfjord	Unattended Tent!	PI: F401			---
87.7	1926	28/05	SVK	Funradio	Kosice		PI: 2311 PS: FUNRADIO			444
87.75	0502	29/05	I	R Fragola	Pisa		PI: 54B9			333
87.8	0701	30/05	?	UNID	?		PI: 3042 PS: .CP90_			---
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					344
87.8	1617	25/05	TUN	RTCI	?		PI: 7202 PS: RTCI____			444
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__ PRKRAK_R			233
87.9	1052	29/05	POR	RdP 1	Lousa					322
87.6	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					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			---
87.8	1452	28/05	I	R Kiss Kiss FM	Cosenza		PI: 5225			433
87.9	1453	28/05	I	R Maria	Como?					333
88.1	1658	31/05	E	Canal Sur Radio	Cádiz		PI: E331			333
88.1	1244	29/05	POR	R Com	Monchique		PI: 8203			333
88.8	1640	31/05	E	C 100 Jaén	Jaén		PI: E2CE PS: __JEAN__			444
88.9	0458	29/05	I	RAI 1	Monte Limbara		PI: 5201			343
88.2	1517	28/05	I	R DeeJay	Avellino/Krotone					333
88.9	1824	29/05	POR	RdP 1	Monchique		PI: 8F01 PS: ANTENA_1			322
89.1	1056	29/05	POR	Maiorca FM	?		ID			344

89.1	0559	29/05	TUN	ERTT	Gorraa	PI: 7201 PS: NATIONAL	333
89.2	1156	29/05	E	Europa FM	Sevilla		333
89.2	0734	29/05	E	OCR	Alicante	PI: E2EE PS: ONDACERO	344
89.2	1624	31/05	E	Onda Cero	Alicante	PI: E2EE PS: ONDACERO	444
89.2	1631	31/05	E	Radiole 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	1913	28/05	POL	RMF FM	Lublin (mentioned)	PI: 3F44 PS: RMF_FM	344
89.3	1049	29/05	POR	RdP 2	Lousa	PI: 8202 PS: ANTENA_2	343
89.4	1631	31/05	E	C 100 Málaga	Málaga	PI: E2CE	333
89.4	1155	29/05	E	C 40 Cádiz	Cádiz	PI: E235	322
89.4	1603	29/05	E	CIEN	Málaga	PI: E2CE	343
89.4	0735	29/05	E	Cope Cartagena	Cartagena	PI: E2CA PS: __COPE__	344
89.4	1154	29/05	GIB	BFBS 2	North Mole		444
89.6	2043	31/05	E	Dial Palencia	Palencia	PI: E274 PS: CAD-DIAL	333
89.6	1645	31/05	E	RNE 1	2x	PI: E211	343
89.6	0429	29/05	I	R Maria	Pistoia	PI: 51CC	322
89.6	1108	29/05	POR	RdP 2	Valença	PI: 8202	323
89.6	1850	29/05	POR	RFM	S.Miguel	PI: 8261	444
89.7	1632	31/05	E	C 100 Murcia	Murcia	PI: E2CE	333
89.7	1006	29/05	E	Cope	?	ID	333
89.7	2033	31/05	E	RNE 1	3x	PI: E211 PS: RNE_1__	333
89.7	0415	29/05	I	RAI 1	4x	PI: 5201	444
89.7	2003	28/05	SVK	R Tatry	Liptovsk_Mikulas	PI: 5B60 PS: _TATRY__	333
89.8	1140	29/05	E	Cope	Ceuta/Málaga	PI: E2CE PS: __COPE__	344
89.8	1922	29/05	E	COPE	Ceuta/Málaga	PI: E2CA	333
89.8	1642	31/05	E	Cope Málaga	Málaga	PI: E2CA PS: __COPE__	333
89.8	1953	31/05	E	Onda Rambla Barcelona	Barcelona	PI: E30A PS: ONDA_RAMBLA_	333
89.2	1736	29/05	E	Europa FM	Sevilla		344
89.2	1520	28/05	I	R Libera Bisignano	Cosenza	PI:5F50	333
89.3	1646	28/05	I	R Dimensione Suono	Sienna	PI: 5264 PS: DIMSUONO	444
89.4	1644	28/05	I	Futura Network Hit R	Ragua	PI: 52FF PS: _FTWURA_	444
89.7	2003	28/05	CZE	Cro 1	Pardubice	PI: 232F PS: __CR_1__	333
89.7	1726	28/05	GRC	Galaxias FM	Athina	PI: 5443	333
89.7	1830	29/05	POR	R Antena Livre (RAL)	Abrantes	PI: 807F PS: RAL*ABT_	444
90.0	1648	31/05	E	R Clásica	Sierra Almadén	PI: E212	343
90.0	1214	29/05	E	RNE 5	Valencina	PI: E515	343
90.0	1609	29/05	E	RNE 5	Valencina	PI: E515 PS: RNE_5__	344
90.1	0603	29/05	I	RAI 1	3x	PI: 5201 PS: RAI_MF1_	333
90.1	1330	29/05	POR	Alvor FM, Algarve	Portimao		344
90.2	0419	29/05	I	R DeeJay	Lucca?	PI: 5214 PS: DEEJAY__	344
90.3	1912	29/05	E	Onda Cero	Jerez de la Frontera	PI: E2EE	333
90.3	1214	29/05	E	RNE 5	Torrespaña	PI: E515	444
90.3	1752	31/05	TUN	ERTT	Remada	PI: 7201 PS: NATIONAL	343
90.6	1635	29/05	MRC	RTM	?		544
90.9	2044	31/05	E	C 40 Valladolid	Valladolid	PI: E235 PS: CUARENTE	333
90.1	1517	28/05	I	R DeeJay	Torino?	PI: 5214	433
90.3	1857	28/05	S	SR P1	Uppsala/Karlshamn	PI: E201 PS: -SR_P1_	344
90.3	1614	28/05	TUN	ERTT	Remada	PI: 7201 PS: NATIONAL	322
90.3	0503	29/05	TUN	ERTT	Remada	PI: 7201	322
90.3	1032	30/05	TUR	Opus FM	?	PI: 1032 PS: OPUS58M	544
91.0	1547	24/05	CZE	Radio Frekvence 1	Ostrava	Unattended	---
					Ho_tálkovice		
91.0	1950	31/05	E	Comradio	Barcelona	PI: E271 PS: COMRADIO	454
91.0	1216	29/05	E	Europa FM	Vecindario	PI: E035	444
91.0	1648	31/05	E	Onda Digital Española	Lorca		333
91.0	1858	28/05	FNL	YLE 2	Pyhävuori	PI: 6202 PS: YLEMAFIA	444
91.0	1100	29/05	POR	R Clube do Matosinhos	Matosinhos	ID	444
91.0	1843	29/05	POR	R Litoral Oeste - RLO	Obidos	PI: 8091 PS: _R_L_O__	444
91.0	1037	30/05	TUR	UNID	?	PI: 3064 PS: OSCAR_FM	433
91.1	1634	31/05	E	R Clásica	Parapanda	PI: E212	322
91.1	0435	29/05	I	RAI 1	3x	PI: 5201	333
91.1	1750	31/05	I	RAI 1	3x	PI: 5201	333
91.3	2013	28/05	POL	R Trojka	?	PI: 3233 PS: _TAMJK28	333
91.4	1610	29/05	E	Radiolé Málaga	Coín	PI: E226 PS: RADIOLE_	454
91.4	1901	28/05	FNL	YLE 1	Kruunupyy	PI: 6201 PS: YLENYSKI	343
91.4	0436	29/05	I	UNID	?	PI: 5795 PS: R_ITALIA	444
91.5	0739	29/05	ALG	RTA	Oran		344
91.5	1625	31/05	ALG	RTA	Oran		444
91.5	2028	31/05	E	R Clásica	2x	PI: E312 PS: RNE-CLAS_	444
91.5	1334	29/05	POR	RdP 2	Monchique	PI: 8202	343
91.8	1649	31/05	E	Cope Mojácar	Mojácar	PI: E006 PS: MOJACAR_	544
91.8	1744	31/05	TUN	ERTT New Arabic	Biadha	PI: 7201 PS: NATIONAL	444
91.9	1218	29/05	E	C 100 Huelva	Huelva		433

91.9	1634	31/05	E	C 100 Huelva	Huelva	PI: E2CE	333
91.9	1919	28/05	POL	R Mercury	Konin Zolwieniec	PI: 3711	344
91.9	1922	28/05	POL	RMF FM	Siedice Losice	PI: 3F44 PS:<RMFMHM>	444
91.1	1529	28/05	I	RAI 1	Monte Cammarata	PI: 5201	343
91.4	1232	29/05	E	SER	Plasencia	PI: E239 PS: __SER__	433
91.4	1454	28/05	I	R Maria	3x		333
91.4	1832	29/05	POR	R Iris	Benavente	PI: 8018 PS: IRIS_FM_	444
91.5	1719	28/05	I	R Maria	3x	PI: 51CC	333
91.5	1821	29/05	POR	RdP 2	Monchique	PI: 8202	444
91.9	1842	29/05	E	C 100 Huelva	Huelva	PI: E2CE PS: HUELVA_CAD-CIEN	433
91.9	1522	28/05	I	R Maria	Lecce/Napoli		333
92.1	1627	31/05	E	RNE 5	2x	PI: E215 PS: RNE_5__	444
92.1	1612	29/05	MRC	RTM	?		344
92.6	1219	29/05	E	R Clásica	Punta Humbria	PI: E212 PS: RNE-CLAS	343
92.1	1541	28/05	I	R K2 Stereo	Catania	PI: 533D PS: RADIO_K2	333
92.3	1522	28/05	I	R Maria	3x		222
92.6	1841	29/05	E	C 40 Caceres	Cáceres		333
93.0	1708	31/05	E	DIAL	2x		222
93.4	1707	31/05	E	R Clásica	Yecla	PI: E212	333
93.5	1643	31/05	E	C 100	Lorca	PI: E2CE	344
93.5	1955	31/05	E	RKOR	Granollers	PI: E018 PS: __RKOR__	333
93.4	1233	29/05	POR	RDP 2	Alcoutim/Faro	PI: 8202 PS: ANTENA_2	333
93.5	1234	29/05	E	Dial Extremadura	Badajoz	PI: E274 PS: CAD-DIAL	434
93.5	1840	29/05	E	Dial Extremadura	Dial Extremadura	PI: E274	444
94.0	1914	29/05	E	R Clásica	Reinosa	EON: Reinosa	343
94.0	1926	29/05	E	R Clásica	Cádiz/Reinosa	PI: E212	343
94.0	1901	28/05	FNL	YLE 2	Kruunupy	PI: 6202 PS: YLEMAFIA	444
94.3	2030	31/05	E	RNE 3	3x	PI: E213 PS: RNE_3__	433
94.3	0422	29/05	I	RAI 3	Monte Argentario	PI: 5203	444
94.4	1701	31/05	E	RNE 5	Almansa	PI: E515	444
94.4	1907	29/05	E	SER	2x	PI: E239	333
94.4	1057	29/05	POR	Moliceiro FM	Aveiro	PI: 8089 PS: MOLICEIR	444
94.4	1638	29/05	POR	RdP 2	Lisboa	PI: 8202	222
94.5	1635	31/05	E	Dial Axarquia	Vélez Málaga		433
94.5	1639	29/05	E	R Poniente	El Ejido	PI: E273 PS: EL_EJIDO	343
94.5	1200	29/05	E	RNE 2	San Cristóbal		344
94.5	1906	29/05	E	RNE 2	?	PI: E212	333
94.5	1635	31/05	E	RNE 3	4x	PI: E213 PS: RNE_3__	332
94.5	0451	29/05	I	R Dimensioe Suono	Nuoro?	PI: 5264	444
94.6	1630	31/05	E	SER Xàtiva	Xàtiva	PI: E239	333
94.6	0452	29/05	F	F Musiques	Porto Vecchio?	PI: F203	343
94.9	0424	29/05	I	R Maria	Agrigento	PI: 51CC	222
94.3	1626	28/05	TUN	ERTT	?	PI: 7201 PS: NATIONAL	344
94.4	1228	29/05	E	SER	3x	PI: E239 PS: __SER__	433
94.4	1737	28/05	GRC	R En Lefko	Athina	PI: 10FF	333
94.4	1651	28/05	I	R Maria	3x	PI: 51CC	444
94.5	1456	28/05	I	Italia Radio	Bologna	PI: 5233	333
94.6	1815	29/05	E	Sagres FM	?	PI: 80A7 PS: SAGRESFM	444
94.6	1713	28/05	GRC	Sport FM	Athina	PI: 1093 ID	333
94.6	1523	28/05	I	R Calabria	Catanzaro	PI: 5FAA PS: 0961 489749	333
94.9	1458	28/05	I	R Maria	Agrigento	PI: 51CC	333
95.0	1441	28/05	I	R Mediteraneo	Ragusa	PI: 5D3E PS: MEDITER.	323
95.1	1201	29/05	E	Intereconomia	Madrid	PI: E256 PS: ECONOMIA	333
95.3	0454	29/05	I	RAI 2	Monte Limbara	PI: 5202	344
95.4	1643	31/05	E	C 100 Albacete	Albacete	// 93,5	333
95.4	1443	28/05	I	R City	Catania	PI: 531D PS: __CITY__	333
95.4	0437	29/05	I	UNID	?	PI: 52D2	343
95.9	1224	29/05	E	OCR	Sevilla	PI: E2EE PS: ONDACERO	433
95.9	1903	29/05	E	Onda Cero	Sevilla	PI: E2EE	333
95.2	1756	29/05	E	RNE 1	Punta Humbria	PI: E811 PS: RNE_1__	322
95.4	1530	28/05	I	R Argento	Bari	PI: 5064 PS: ARGENTO_	343
96.2	1853	29/05	E	Canal Sur Radio	Cádiz	PI: E332	322
96.3	1653	31/05	E	AMC R5	Murcia	PI: E330 PS: _AMC-R5_	422
96.5	0455	29/05	I	?	?	PI: 507B	---
96.5	0455	29/05	TUN	ERTT Arabic	Zaghoun	PI: 7202	---
96.7	1854	29/05	E	RNE 3	San Cristóbal	PI: E213 PS: RNE_3__	444
96.9	1902	28/05	S	SR P2	Sundsvall	PI: E402 PS: -SR_P2-_	343
96.3	1653	29/05	E	Onda Melodía	Vilanova i la Geltrú	PI: 389E	322
96.8	1511	28/05	I	RAI 2	Sestrière	PI: 5202	333
97.1	1925	29/05	E	C40	Sevilla	PI: E035 PS: CUARENTA	322
97.3	0456	29/05	I	RAI 3	Punta Badde Urbara	PI: 5230	333
97.4	1648	29/05	POR	R Com	Lisboa	PI: 8203	433
97.4	1902	28/05	S	SR P2	Gävle	PI: E402 PS: -SR_P2-_	444
97.6	1952	31/05	E	C 100 Mallorca	Palma	PI: E2CE PS: CAD-CIEN	444

97.6	0742	29/05	E	CIEN	Palma	PI: E2CE	333	
97.6	1903	28/05	FNL	YLE 3	Kruunupy	PI: 6203 PS: YLESUOMI	333	
97.6	1855	29/05	POR	RdP 1	Alcoutim/Faro	PI: 8F01 PS: ANTENA_1	434	
97.7	1956	31/05	E	UNID	?	PI: E300 PS: _REUS_	344	
97.7	1640	29/05	POR	2000 FM	?	PI: 8034 PS: 2000_FM_	454	
97.7	1617	29/05	POR	R Com	Porto	PI: 8203 PS: COMRCIAL	544	
97.7	1636	31/05	POR	R Com	Porto	PI: 8203	444	
97.8	1855	29/05	E	C 40 Jerez	Jerez de la Frontera	PI: E275	333	
97.2	0252	20/05	BEL	SR S1	Zilina	Unattended	PI: 5201	---
97.2	1528	28/05	I	R Maria	Lecce			333
97.2	1601	28/05	I	R Radicale	Caltanissetta	PI: 5210 PS: RADICALE	333	
97.2	1604	28/05	I	R Video Mediterraneo	Ragusa	PI: 5D3E PS: _RADIOTER.	333	
97.2	2011	28/05	SVK	SR S1	Zilina	PI: 5201 PS: Sro_-?S1	333	
97.2	1611	28/05	TUN	ERTT Intern	Zarzis			444
97.3	1740	29/05	E	SER	?			344
97.6	1542	28/05	?	UNID	?	PI: 1074 PS: A_7,Y_X:	222	
97.6	1508	28/05	I	RAI 2	2x	PI: 5202 PS: RAI_MF2_	343	
97.7	1706	29/05	E	97.7	Valencia	PI: E058 PS: _97.7MHZ	444	
97.7	1508	28/05	I	RAI 2	Monte Peglia	PI: 5202 PS: RAI_MF2_	333	
98.1	1205	29/05	E	SER	Huelva	PI: E239 PS: __SER__	344	
98.1	1637	31/05	E	SER	Huelva	PI: E239	444	
98.1	1647	29/05	POR	R Marginal	Cascais	ID		444
98.4	0426	29/05	I	RAI 3	Monte Cavo	PI: 5203		343
98.8	1857	29/05	E	RNE 3	Valencina	PI: E213 PS: RNE_3__	433	
98.8	1638	31/05	E	RNE 3	Valencina	PI: E213		444
98.8	1033	30/05	HNG	MR 2 Petöfi	Szentes	PI: B201 PS: _PETOFI_	555	
98.8	1450	23/05	HOL	UNID Pirate	richting NO (Breda/Eindhoven))	drifting		243
98.2	1513	28/05	I	R Cuore	Firenze?	PI: 535C		444
98.7	1506	28/05	I	RAI 3	Monte Nerone	PI: 5203 PS: RAI_MF3_	544	
98.7	1515	28/05	I	RTL 102,5 Hit R	Potenza	PI: 5320 PS: PRIMA__	434	
98.8	1506	28/05	I	R Maria	Ferrara/Udine			333
98.9	1705	29/05	E	Andalucía Información	Algeciras			333
99.0	0427	29/05	I	RTL 102,5 Hit R	3x	PI: 5218		343
99.0	1903	28/05	S	SR P3	Mora	PI: E203		322
99.6	1857	29/05	E	C 100 Sevilla	C 100 Sevilla	PI: E2CE PS: CAD- CIEN_CAULLA		444
99.6	1638	31/05	E	C 100 Sevilla	Sevilla	PI: E2CE		555
99.8	1639	31/05	E	Onda Cero	?	PI: E2EE PS: ONDACERO	555	
99.8	1500	28/05	I	R DeeJay	Trento?	PI: 5214 (Milan ment.)		444

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.

27th may 2000

MHz	CET	ITU	STATION. Location	PS : Pty	Remarks
87.6	17:44	S	SVERIGES RADIO - P1. MultiTx	-SR_P1- : None	International News in Swedish.
87.7	18:54	E		RAC_105_ : Varied	Affairs in Catalan.
87.7	18:56	?	UNID. ???		In Arabic with music.
87.9	18:52	E	RNE - RADIO CLASICA.	RNE-CLAS : Classics	Classic Concert by Jordi Saval.
87.9	17:48	S	SVERIGES RADIO - P1. MultiTx	-SR_P1- : Affairs	Report by Cristine Gustarson.
88.1	17:49	S	SVERIGES RADIO - P1. Gävle		Financial News with S Telecomm.
88.3	17:53	S	SVERIGES RADIO - P1. MultiTx	-SR_P1- : Affairs	News on Israel and Lebanon.
88.4	19:03	E	RNE - RADIO 4. ???	RNE-4__ :Info	News in Catalan.
89.1	19:00	E	CADENA 100. ???		Program: "100 Segundos".
89.3	18:00	G	BBC - RADIO 2. ???	_BBC-R2_ : Pop Music	ID and Phil Collins's themes.
89.4	17:58	S	SVERIGES RADIO - P1. Multi Tx	-SR_P1- : Affairs	Politics in the Middle East.
89.8	18:57	F	RADIO FM. ???	_R_F_M__ : None	"La Meteo" and Rolling Stones music.
90.1	18:45	E	RNE - RADIO 1.	RNE_1__ : Info	"Fiebre del Sabado" with Beatriz Pecker.
91.5	19:41	G	BBC - RADIO 3.	_BBC-R3_ : Jazz	Musical comments in English.
91.7	18:49	E	UNID. ???		Football match at live. (Brief signal)
91.8	19:32	TUN	ERTT - CHÂINE INTER. Biadha	RTCI___INTER : None	Phone-Ins in Arabic with Arab music.

92.7	19:36	TUN	ERTT - CHAINE INTER. ???	RTCI_____INTER : None	Program //091'8 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.
98.3	19:22	?	UNID. ???	RADIO-1_ : Pop Music	Electronic & Drum'n'Beat Dance Music.
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_ : Light Music	"Across the real Grandy", Jingle and ID.
101.7	19:16	G	CLASSIC FM. ???	CLASSIC_ : Light Music	"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. ???		"Sabto" with electronic-dance music. Greek.
107.4	19:06	?	UNID. ???		Song "Hace tanto que duermo sin ella".
107.7	19:45	?	UNID. ???		Station in German with Rock of the 80's.

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	Arab music.
88.7	12:06	GRC	UNID. ???		Modern Greek songs & Comments in Greek
88.8	12:06	GRC	UNID. ???		Song "La Til morro", Greek lyrics.
89.5	12:18	GRC	UNID. ???		Greek modern music "Pelisnamikis...".
91.8	12:32	GRC	UNID. ???	__91-1__ : Easy Music	Dance Music & Ads: "Flashback, plastiquis"
92.0	17:01	TUN	ERTT - CHAINE INTER. Zaghouan	RTCI_____INTER : None	Starting of the French Program, at 18:00h.
92.1	12:46	GRC	UNID. ???	GALAXY92 : Easy Music	Ads in Greek: "Pizza Hut, Calsberg".
92.7	13:00	GRC	UNID. ???		News in Greek.
93.5	12:49	GRC	UNID. ???	34_95__ : Easy Music	Prodigy music and comments in Greek.
98.2	17:10	TUN	ERTT - NATIONAL. Bou Kornine / Tunis	NATIONAL : None	Announcer in Arabic talking about music.
99.5	17:01	TUN	ERTT - CHAINE INTER. Ghraba / Sfax	RTCI_____INTER : None	French. Details of "Soccer African Cup".
100.1	13:07	SVN	RADIO SLOVENIJA 1. Pec	SLO_1__ : None	News & ID in Slovenian.
101.1	12:55	I??	RADIO TÉLÉ LUXEMBURG. ???	RTL102-5 : Varied	Italian version of "Jarabe de Palo" album.

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 NERVIÓN. Bilbao	RNERVION : Pop Music	Ads in Spanish: "Saitel en Deusto".
88.1	19:02	POR	UNID. ???		Jingle: "A radio que dinamiza..."
88.3	17:35	Eca	FÓRMULA 1. Sierra de la Luna		Jingle ID: "Fórmula Uno".
88.4	17:35	POR	¿RADIO COSTA VERDE?. Espinho		ID: "Costa FM". Announcer in Portuguese.
88.5	18:14	Eva	CADENA 100. Valladolid		ID: "Cien por cien Valladolid, 88.5".
88.5	18:57	POR	RADIO CLUBE DE ARGANIL. Arganil		ID: "Sintonizan Radio Clube de Ar???".
88.7	17:15	E	CADENA 100. ???		Jingle "Cadena 100", conservas Escalada.
88.7	19:06	POR	RTP - ANTENA 2. Montejunto	ANTENA_2 : Classics	Classical Master Pieces.
88.8	19:07	Ecr	RNE - R5 TODO NOTICIAS. C Real	RNE_5__ : News	Jingle ID in spanish: Radio 5 Todo Noticias.
88.8	19:21	Ecc	CADENA 100. Cáceres	CAD-CIEN_CACERES_ : Pop M.	Music by "Danza Invisible".
88.9	18:41	Elu	COPE LUGO. Lugo		Program "La Tarde de COPE", Jingle ID.
89.7	19:08	POR	RADIO ANTENA LIVRE. Abrantes	RAL*ABT_ : Leisure	News on "Cámara Municipal Setubalense".
90.5	17:40	Eal	ANDALUCÍA INFORMACIÓN. Pechina		Andalucian News. ID: "Andalucía Info".
90.7	20:06	F	RADIO CAMPUS. Strasbourg.	_CAMPUS_ : None	Drum'n'Bass music.
91.7	18:46	Ebi	RADIO EUSKADI. Bilbao	EUSKADI2 : Info	Musical Program.
92.0	20:02	TUN	ERTT _ CHAINE INTER. Zaghouan	RTCI_____INTER : None	French program w/funky music. Tim:19:02.
92.1	18:48	POR	MAIORCA FM. Figueira da Foz.		ID: "Maiorca FM". Brief signal. Only 400w !!.
92.5	18:48	G	UNID. ???		Conv'tion about "Paranoia". British accent.
94.4	18:49	POR	RTM - ANTENA 2. Monsanto	ANTENA_2 : Classics	Classical music & comments in Portuguese.
94.4	18:50	G	UNID. ???		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
97.7	18:52	G	BBC - RADIO ONE. Sandale?		ID: Radio One. Expenses for Hospitals.

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

JG =	Jorge Garzon	Mobile in Austria	Blaupunkt 5000RDS & whip antenna
JF =	John Faulkner	Sutton-in-Ashfield, Notts.	Sony SA3ES tuner (IF modified), Triax FM8 (H) & Antiference 6 element (V) each with Fringe 22dB boosters. Kenwood KDC6070R CD/tuner (IF modified) & whip
JK =	Jeff Kitching	Leeds	
MH =	Mark Hattam	Hayes, Middlesex	Sony SA3ES tuner (110 kHz IF), Triax FM8 (SE), 6 ele (SW)
PB =	Paul Bowery	Burnham-on-Crouch, Essex	Blaupunkt Milano car stereo
PT =	Patrick Travers	South Anston, Nr Sheffield	
TB =	Tim Bucknall	Congleton, Cheshire	Sony SA3ES tuner (modified), HS Publications antenna & Fringe Electronics 22dB booster

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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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://www.radio.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 II 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 107.1 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 Drem 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! – Ian

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-transmits QVC and Bloomberg at various times throughout the day and night.



*Edited by David Small
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Usual Deadline – 1st of every month

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.

Morice 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 1665 , 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 in Bosnian (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 29900 FEC 3/4).

Channel SUN (KBT) is now testing on 11.604 GHz (h), (SR 27500 , FEC 5/6). NRW1 has left this frequency.

Kanali Voulis is now available on both 12.188 GHz (v), and 12.169 GHz (h), MPEG2 clear in Greek.

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.

Pro TV is now available on 12.201 GHz (h) in MPEG2 clear in Romanian. (SR 5632 , FEC 7/8).

RAI Way 1, 2 & 3 are now present on 11.766 GHz (v) in Italian

Testing on 11.623 GHz (v) are OCCA HB5, MRTV, (Macedonia) Racing, pgm4 & 6, and 102.5 Hit Ch.

Testkanal and Telekom TV are now present on 12.265 GHz (v) in MPEG2 clear in German.

TGRT is using 12.520 GHz (v) In Turkish. This channel replaced "VIVA" with the same PIDs.

TVE has a feed on 11.009 GHz (h) in PAL clear, while on 11.586 GHz (v) PAL you will find 123SAT in French.

TV Macedonia is now available on 12.380 GHz (v) in 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:-

GHZ

10.996 (v)	Unid	SR 6111	FEC 3/4	11.056 (h)	IHA	SR3123	FEC 5/6
11.080 (h)	EBUHBR4AU	SR 6111	FEC 3/4	11.128 (h)	Tiernan 1	SR 5632	FEC 3/4
11.138 (h)	APTN	SR 5632	FEC 3/4	11.142 (h)	Holland Football	SR 5632	FEC 3/4
11.143 (h)	GCPOCC1	SR 6109	FEC 3/4	11.144 (h)	Unid	SR 5632	FEC 3/4
11.581 (h)	Unid in Turkish.	SR 2920	FEC 3/4				

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 18056 , FEC 3/4).

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 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.

Sport is now feeding on 12.541 GHz (h), SR 6111 , FEC 3/4.

Intrax is now feeding on 12.648 GHz (v) in PAL clear for Italian football.

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
 11.558 h Service 1 SR 6111 FEC 3/4
 11.590 v Globecast NY Channel 1 & 3, SR 20150 FEC 3/4.
 11.600 v ATC Telesports W SR 6111 FEC 3/4
 11.605 v Teracom SR 5632 FEC 3/4
 11.612 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:

Notturmo Italiano, 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 11.114 GHz v (BBC World), audio 7.74 MHz. (17:00 - 18:00 CET.) (satelit-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.

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 e-mail addresses, can be found via the Skywaves website:-
 (www.skywaves.freemove.co.uk).

Location	Freq	Station	Date On	Date off	Telephone	Details (and contributor details)
Aberdeen	107.2	Flame FM	27/05/00	23/06/00	01224 310626	Events during Pentecost
Abingdon	106.4	Ridge FM	28/05/00	24/06/00	01235 521064	Trial service
Ashford, Kent	107.5	Scout FM	26/05/00	29/05/00	0850 730008	
Ashford, Kent	106.5	Ashford FM	26/06/00	23/07/00	01722 415188	Ashford Summer Festival Events
Aylesbury	107.7	Flame FM	18/05/00	14/06/00	01296 423053	Pentecost (heard by Ian Kelly near Oxford)
Ballymena	?	Radio Cracker	26/11/00	23/12/00		charity fundraiser (Jack Adams at station)
Barnsley	87.7	Locke FM	29/05/00	24/06/00	01226 213338	Trial
Barnsley	87.7	YMCA Radio Barnsley	09/07/00	05/08/00	01226 213121	Trial community service
Bedford	106.9	BCFM 106.9	22/05/00	18/06/00	01234 291000	College training and festival coverage
Belfast	105.8	Switch FM	12/06/00	07/07/00	01232 311333	Community service/Shankill Festival
Belfast	106.2	Triple FM	17/07/00	13/08/00	01232 313440	West Belfast Community Festival

Biggin Hill, Kent	87.9	Air Fair Radio	02/06/00	04/06/00	0207 261 3691	Biggin Hill International Air Fair - this station is offering a prize to the most distant listener! (Neil McGrath)
Birkenhead	106.2	Flame FM on The Wirral	27/05/00	23/06/00	0151 678 0435	Flame FM national project during Pentecost
Birmingham	106.6	Radio Takbeer	11/06/00	24/06/00	0121 440 0708	Birth of the Prophet of Islam
Birmingham	105.2	Radio Hollymoor	18/06/00	15/07/00	0121 683 1800	Training of young unemployed
Birmingham, Castle Vale	105.2	Vale FM	15/05/00	11/06/00	0121 749 1343	Training and broadcasting experience
Bournemouth	106.3	Hope FM	28/05/00	24/06/00	01202 780396	Pentecost Millennium national radio project
Bournemouth *	?	Youth FM	28/08/00	15/09/00	01635 202 700	youth broadcasting (Youth FM website)
Bradford	106.6	Flame FM	27/05/00	23/06/00	01274 595382	Christian broadcast
Brentwood	87.7	Phoenix FM	03/06/00	30/06/00	01273 664661	Trial service for Brentwood
Brighton	?	Dolphin FM	02/05/00	30/05/00	020 7210 3479	Brighton Festival
Buckley/Mold	106.7	South Flintshire Radio	01/07/00	28/07/00	01352 762151	Trial service
Buxton	106.2	Radio Buxton	31/05/00	13/06/00	01773 742928	Trial
Cardiff	87.7	Watchtower Convention	30/06/00	02/07/00	020 8906 2211 x2401	Jehovah's Witnesses Annual Convention
Carrickfergus	106.2	Carrick Vibes FM	08/06/00	22/06/00	01232 205967	
Carshalton, Surrey	87.7	Radio St Helier	21/05/00	17/06/00	0181 394 3066	Hospital broadcast
Carshalton, Surrey	87.9	Youth FM	11/07/00	30/07/00	020 8770 6657	youth broadcasting
Charlbury Park	87.7	Rally Radio FM	20/05/00	30/05/00	01342 336778	Annual Rally of the Caravan Club (hope they don't get stuck in the mud!)
Chippenham	105.4	J2K Radio	09/06/00	18/06/00	01249 652578	Christian broadcast
Church Bethersden	107.5	Scout FM	26/05/00	29/05/00	0850 730008	Ashford Scouts Millennium Celebration
Coleford	105.8	Coleford FM	26/05/00	29/05/00	01594 837529	Coleford "Switched On" festival of music
Corby	106.6	Corby Radio	12/06/00	09/07/00	07788 712801	Corby Kids Summer Camp Appeal
Coventry	87.7	Watchtower Convention	23/06/00	26/06/00	020 8906 2211 x2401	Jehovah's Witnesses Annual Convention
Cowes, Isle of Wight	106.2	Cowes Radio	27/07/00	06/08/00	01489 578850	Cowes Yachting Week Regatta
Cranfield	87.7	PFA 87.7	22/06/00	26/06/00	01273 461616	Popular Flying Association International Rally
Dewsbury	106.2	Branch FM	10/06/00	07/07/00	01924 292651	Trial Christian service
Durham	107.0	Fram 107	03/07/00	16/07/00	0191 375 4332	Student broadcast/broadcasting experience
Edinburgh	107.7	Youth FM	24/05/00	11/06/00	01635 202700	National youth project (Neil Clark)
Farnborough	106.8	Passion 106.8	29/04/00	26/05/00	01252 405555	College Radio; RDS: Passion PI: C095
Glasgow	105.4	Radio Awaz	01/05/00	28/05/00	0141 576 5021	Trial Asian service/sports event
Glasgow	106.8	Clan FM in Glasgow	01/05/00	28/05/00	01698 733107	Trial service for the city of Glasgow
Glasgow	105.4	The Health Service	23/06/00	30/06/00	0121 454 4000	NHS Confederation conference
Glasgow	106.8	Go! 106.8	01/07/00	28/07/00	0141 429 1750	Trial service for the city of Glasgow
Goodwood, Chichester	87.7	Goodwood Festival of Speed	22/06/00	26/06/00	01295 262000	Goodwood Festival of Speed
Grange-de-Lings	106.2	Lincolnshire Show Radio	19/06/00	22/06/00	01522 549977	Lincolnshire Agricultural Show
Grantham	106.6	Gravity FM	01/05/00	28/05/00	01476 577914	Trial service in Grantham
Grimsby	87.7	Krispp	02/05/00	20/05/00		Student service (UK Radio)
Guseley	87.9	Flame FM	12/06/00	09/07/00	0113 230 8725	Celebrate the Millennium and Pentecost from Christian perspective
Harold Hill, Essex	101.4	Link FM	02/07/00	28/07/00	01708 378378	Havering Millennium festival
Harrogate	87.7	Great Yorkshire Post Radio	11/07/00	13/07/00	01295 262000	Great Yorkshire Show
Hastings	107.0	Hastings Rock	01/05/00	28/05/00	0797 998 2586	Fundraising
Huddersfield	87.9	Ay Up! Radio	08/05/00	04/06/00	01484 538156	Student broadcast (ay up, lad!)
Ilkeston	106.6	Radio Robin	14/07/00	23/07/00	0115 932 8000	Hospital Radio birthday celebrations
Keele, Staffs	107.9	KUBE FM	08/05/00	04/06/00	01782 583706	Keele University - student station (BDXC-UK)
Keighley	106.2	Keighley Festival Radio	06/06/00	02/07/00	07970 475748	Keighley Festival
Leeds	107.7	Radio Kalaam	22/05/00	18/06/00	0113 217 7980	Media training for unemployed Asian youth
Leeds	107.7	Youth FM	21/06/00	09/07/00	01635 202 700	youth broadcasting (Youth FM website)
Leeds	87.7	Watchtower Convention	30/06/00	02/07/00	020 8906 2211 x2401	Jehovah's Witnesses Annual Convention
Leeds	87.9	Leeds Mela Radio	10/07/00	06/08/00	0113 249 2734	Community festival
Leicester	95.1	The Wall	29/05/00	25/06/00	0116 288 8991	Trial service for Leicester
Leicester	87.9	Juice FM	10/07/00	06/08/00	0116 262 2815	Youth media project

Leicester	95.1	Takeover Radio	19/08/00	27/08/00	0116 288 8991	Youth broadcast
Lincoln	87.9	Siren FM	01/05/00	28/05/00		Student service (UK Radio)
Liverpool	87.9	New Heys Community Radio	06/07/00	08/07/00	0780 883 8005	Community/school project
London S, South Bank	87.9	Fourth Wall FM	03/05/00	30/05/00	020 7580 9977	Exhibition
London S, Battersea	87.7	Fundamental FM	31/07/00	27/08/00	020 8658 7704	Youth training project
London SW, Wimbledon	87.7	Radio Wimbledon	20/06/00	10/07/00	01784 740062	Wimbledon Lawn Tennis Championships (James Vertigan)
London W, Acton	87.7	Justice FM	19/07/00	30/07/00	020 8246 9764 PC David Hall	Youth radio station in association with the Metropolitan Police (James Vertigan - Station DJ)
Luton	87.9	Luton FM	06/05/00	02/06/00	01582 734111	Educational programme
Maidstone	87.7	20/20 FM	08/07/00	04/08/00	01843 220222	Trial for Maidstone
Malvern	87.7	Youth Comm Radio	13/06/00	17/06/00	01905 726663	Three Counties Show
Manchester	87.7	Watchtower Convention	07/06/00	09/07/00	020 8906 2211 x2401	Jehovah's Witnesses Annual Convention
Manchester N, Moston	87.9	Radio Moston	05/05/00	07/05/00	0161 684 1024	media training (Neil Clark)
Manchester E, Openshaw	106.2	Radio Openshaw	19/05/00	21/05/00		media training; RDS: Openshaw PI: C095 (Neil Clark)
Manchester S, Longsight	106.6	Radio Longsight	12/05/00	14/05/00		media training; RDS: Lngsight PI: C095 (Neil Clark)
Manchester S, Wythenshawe	106.2	Wythenshawe FM	26/05/00	29/05/00		media training; RDS: Wy'shawe PI: C095 (Neil Clark)
Manchester, Swinton	106.6	The Super Station	26/05/00	29/05/00	0161 728 3537	trial rock music station (Dave Miller of The Super Station)
Manchester	87.7	Radio Sonic	12/06/00	09/07/00	0161 237 5454	planned - mainly dance music (training) (Neil Clark)
Market Harborough	87.7	HFM	15/05/00	11/06/00	01858 464666	Market Harborough Carnival (Oliver Benson) (heard by David Towers 20/05/00)
Meopham	87.7	Phoenix Radio	26/05/00	29/05/00	07987 327 9310	Gravesham District Scouts Millennium Camps
Middlesbrough	107.4	Southside Broadcasting FM	28/06/00	22/07/00	01522 886245	Promote health issues & community arts issues
Newark	107.6	Newark FM	14/07/00	16/07/00	01773 742928	Music festival
Newcastle-upon- Tyne	87.7	Drive in movie Asda	31/05/00	31/05/00	0161 483 5319	Drive in movie
Newcastle-upon- Tyne	87.7	Watchtower Convention	15/06/00	18/06/00	020 8906 2211 x2401	Jehovah's Witnesses Annual Convention
Newcastle-upon- Tyne	107.6	Youth FM	24/07/00	11/08/00	01635 202 700	youth broadcasting (Youth FM website)
Newquay	105.5	Malibu Surf FM	21/07/00	17/08/00	01637 878298	Surf championship/tourist info
Newton Abbot	105.4	New Life Radio	29/07/00	11/08/00	01392 253064	trial (Mike Coles)
Northampton *	105.8	Inspiration FM	17/07/00	13/08/00	01604 250544	trial
Norwich	107.3	Flame 2000	08/06/00	11/06/00	01603 624827	March for Jesus event/national Christian project during Pentecost
Norwich	87.7	Watchtower Convention	14/07/00	16/07/00	020 8906 2211 x2401	Jehovah's Witnesses Annual Convention
Nottingham	87.9	Drive in movie Asda	30/05/00	30/05/00	0161 483 5319	Drive in movie
Nottingham	87.7	Watchtower Convention	14/07/00	16/07/00	020 8906 2211 x2401	Jehovah's Witnesses Annual Convention
Oakham	87.7	Harrier FM	19/07/00	24/07/00	01285 713300 x3301	Airshow commentry
Paisley	107.2	FPR 107.2 FM	06/06/00	01/07/00	0141 889 2306	Community project/Renfrewshire's Festival The Shot
Pembroke	107.0	Haven FM	26/06/00	23/07/00	0378 684062	Trial service for Pembroke
Perth	87.7	Watchtower Convention	07/07/00	09/07/00	020 8906 2211 x2401	Jehovah's Witnesses Annual Convention
Peterborough, Oundle	87.9	Oscar Radio	02/05/00	26/05/00	01832 277129	School project
Plymouth	106.6	Watchtower Convention	23/06/00	26/06/00	020 8906 2211 x2401	Jehovah's Witnesses Annual Convention
Reading	87.9	Kiddz FM	22/05/00	03/06/00	0118 956 9795	Children's Festival; RDS: Kiddz_FM PI: 1201
Reading	107.0	Reading 107	04/07/00	31/07/00	0118 901 2020	Trial
Redruth	105.0	Redyouth Radio	03/06/00	30/06/00	020 931 3322	
Rochdale	106.6	Milad FM	04/06/00	15/06/00	01706 350786	Birth of the phropheet Mohammed

Rothwell, Norhtants	87.9	Radio Carousel	12/06/00	09/07/00	01536 418558	Rothwell Fair & various local events
St Peter Port	87.7	Eden FM	10/06/00	10/06/00	01481 53322	March for Jesus Guernsey
Sefton, Merseyside	87.7	Flame FM	27/05/00	23/06/00	0151 928 9179	National radio project covering Pentecost 2000
Shepton Mallet	87.7	Radio Avalon	20/06/00	27/06/00	01258 473020	Glastonbury Festival
Stone, Staffs	87.9	Stone FM	18/06/00	15/07/00	01785 819988	Community radio station/annual town festival
Stowmarket	87.7	Flame FM	05/06/00	02/07/00	07971 127770	National Christian project during Pentecost
Sunderland	107.0	Utopia	16/06/00	24/06/00	0191 515 3079	Student training/annual degree arts show
Swindon	106.8	Flame FM Swindon	27/05/00	23/06/00	01793 536815	National Flame FM Project
Torquay	106.2	Palm FM	06/05/00	02/06/00	01803 200437	Trial service in Torquay
Toxteth, Liverpool	107.0	TT FM	05/06/00	02/07/00	0151 707 9614	Community broadcast/regeneration project
Verwood	106.6	Verwood Radio	20/05/00	16/06/00	01202 787740	Trial/Verwood Carnival
Virginia Water	107.3	European Tour Radio	23/05/00	29/05/00	01344 840400	Volvo PGA Championships
Waddington	106.6	Waddington Air Show FM	12/06/00	26/06/00	01522 726100	Waddington Air Show
Walsall	106.6	Bridge FM	01/05/00	28/05/00	07901 844924	Trial - community (UK Radio)
Warrington	87.9	Fuzed FM	26/05/00	26/05/00	01925 494494	Media studies training
Washington	87.7	Radio St Roberts	08/07/00	21/07/00	0191 219 3810	Student radio and community service
West Bridgford	87.9	Sweet FM	05/06/00	12/06/00	0115 914 6467	Media training for students on BTEC and GNVQ courses
Windsor	87.9	Radio DMS	30/06/00	30/06/00	01635 202700	School project
Whiteabbey	107.6	Flame FM	27/05/00	23/06/00	028 9085 3997	National Christian project at Pentecost
Worthing	106.8	Worthing Radio	15/05/00	11/06/00	01243 773600	Trial service for Worthing
Wolverhampton	87.7	Watchtower Convention	07/07/00	09/07/00	020 8906 2211 x2401	Jehovah's Witnesses Annual Convention
Yeovil	107.4	Showground FM	15/06/00	18/06/00	01935 473256	Yeovil Country Show

* indicates subject to being licensed by the Radio Authority

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The Deadline for sections is the 1st of the month, unless otherwise stated. Skywaves is compiled, for the moment, using Microsoft Word for Windows 97. Electronic contributions can be sent in this, or earlier Word formats, or as plain text, or in an e-mail. Written contributions are welcomed, typed if possible. They should be sent to the relevant section editor by post or e-mail, or to the main address on the front page of Skywaves. "On Screen" deadline is the 25th of the month.

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