

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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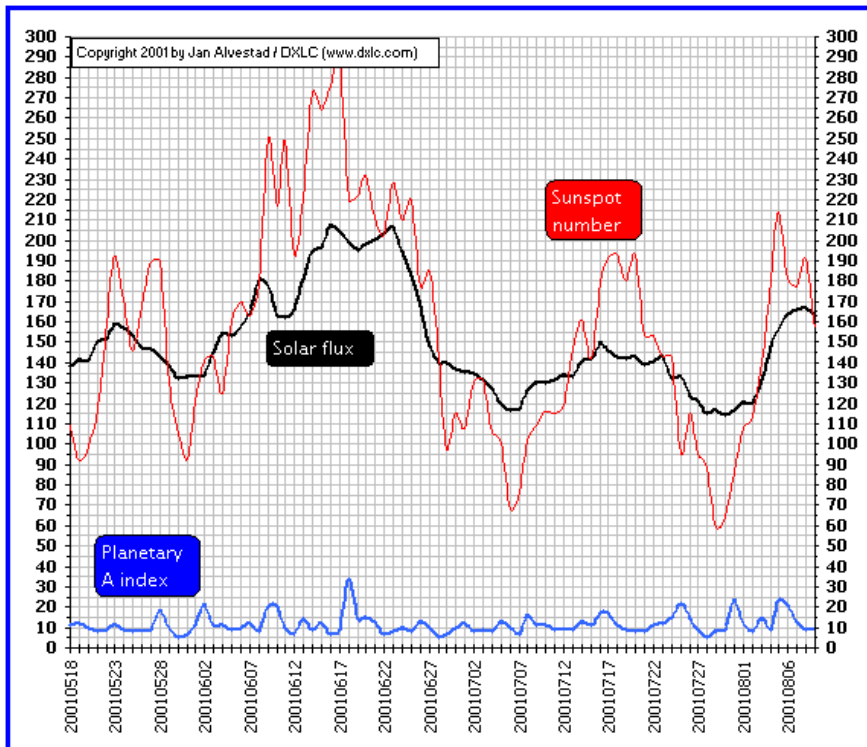
WELCOME to the August Skywaves. Well wasn't July an up and down month! The first week was great (Israel on 87.6 MHz), followed by two weeks of nothing, and ending up with another week of good openings. Sporadic is sporadic, but the middle of the month was dire. I hope we all checked our aerial connections though, as that will see us through for a while.

In this issue you also find the results of the latest FM dxpedition undertaken by John Faulkner, Tim Bucknall and Jeff Kitching to the Suffolk coast. They just happened to make it coincide with a Sporadic E opening which brought in Lebanon and Turkey. Certainly shows why listeners in the Benelux hear Turkey and Greece far more often than here in the UK.

Armed with just a car radio, it was also interesting to see what I could hear in the far southwest of Cornwall. The advantage there is the paucity of local transmitters, though South Hams did catch me out a couple of times as they're in the Classic FM segment of the band. It was so good to have most FM channels available as dx-able.

Regular service resumes next month, John's workload permitting. Meanwhile, sit down, relax and enjoy the 21 pages of logbook, and imagine what would have happened if we'd had a full four weeks of propagation rather than two.

Oh and did we mention the Perseids, expected to peak on August 12th ... happy hunting. Mark



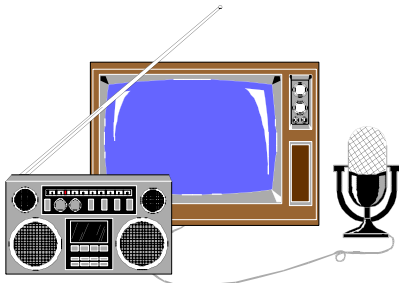
Solar Chart courtesy of
Jan Alvestad
DX Listeners Club
Norway

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 Standard Deadline – 25th of every month



DXTV REPORT FOR JULY 2001

The month started well with reports of Jordon TV on July 2nd. Openings occurred every day up to the 8th. The 9th saw F2 and TEP propagation into South Africa from Europe. F2 was also reported on the 11th in Europe. Conditions quietened down after this till around the 15th of the month. The 23rd saw more TEP into South Africa from Europe. After this we had some good Es in Europe every day until the 31st. So the month ended well after quite a bit of a lull in the middle.

SOLAR FLUX REPORT FOR JULY 2001

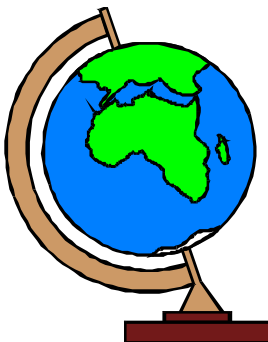
The month started with a level of 137. This slowly dropped to 116 by the 8th. After this a slow increase back to levels around the 140's by the 15th. July 25th saw levels dropped back to 133 and then slowly declined to finish just above the magic 100 with a figure of 115 on July 31st.



NEW ON SCREEN LOGO's

Just one new logo noted this month from TV NOVA in The Czech Republic. A star seems to have been added above the usual ID, though not all the time for some reason.

RAMBLE THROUGH THE NEWS GROUPS in July 2001



A superb weekend for DX. Pictures have been coming in to the NE of England for about the last 30 hours.

Latvijas Televizija (LTV 2) on R1, transmitted from Kuldiga.

During the last few days I only heard an Italian station on 55.00 MHz.

Navacerrada is the only Spanish station on E2, that is important for our hobby.

The last 3 days have provided significant activity in this mode (TEP), with viewable signals from Madrid, Spain and Gottleborner Hohe, Germany on E2. Last night the MUF passed 50 MHz with strong TV signals on E2 from Norway, Sweden and western Germany.

Monday evening around 1900 UTC a very nice opening with Syria TV2 on E2; 2x IRIB2 (8M & ±7.5P) on E2 and also Jordan TV1 on E3.

The MUF reached about 49 MHz, weak signals from a number of channel 2 TV stations in Europe/SW Asia were received in RSA. It was strange to arrive home last night and have a band full of R1 carriers with nothing on E2.

This evening I watched the Greek station TILTORA on ch E 3 from 1816 to 1843 UTC. I found some info about Tiletora TV which is an official station as it's listed in the Greek embassy media list! <http://www.greekembassy.org/press/media/TVSTATIONS.htm>

I was watching Spain on E4, and suddenly a test card with "Canal 9" appeared for a split second.

Have any of them closed down yet? I'm watching TVE 1 on E3 now ?

At 0500 UTC ALL channels in VHF band 1 and 2 have signals!! On channel C TVSH ALB and on R4 and 5 RUS, UKR and more?
 At 5300 UTC FM opened into same direction.

At around 1600 BST 2nd July had IRIB E2 with ">>" logo then 1645 JTV TV1 E3 with eye shaped logo.



SPAIN STILL ON BAND 1

Spain on E2 was logged August 1st. So it would seem that none or only some of the Band 1 transmitters have closed down...

LOGS

I am changing jobs again. It is causing a bit of disruption in my life, especially as I worked for 30 years in the same place before. I then moved to Epsom Telford Limited for 9 months. Now I am moving to work at RAF Cosford. Because of this I have not had time to try & devise a spreadsheet that can be used by everyone. So for the rest of this year any logs sent will appear separately.

LOGS FROM William F. Kitching, Telford, Shropshire.

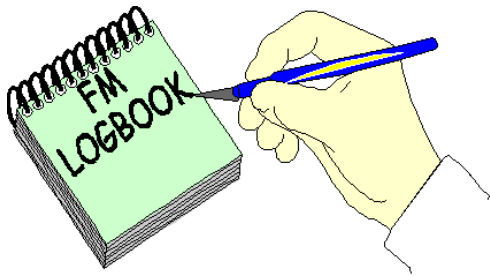
CH	TIME	DATE	ITU	REMARKS	N
E4	1728	02/07	HRV	HRT top right. News. Good sigs.	WK
R2	1738	02/07	LTU	LRT. Very strong sigs, little QSB.	WK
E2 E3	1901	02/07	E	TVE1. Fair sigs on both channels.	WK
E3	0926	03/07	E	TVE1. Weak sigs with QSB.	WK
IA IB	1209	03/07	I	RAI UNO. Strong sigs but a lot of QSB.	WK
R2	1545	03/07	LTU	LRT. Colour Bars. Then prog. Fair sigs.	WK
R2	1645	03/07	LTU	LRT. Very strong sigs. Colour. Little QSB.	WK
R2	1745	03/07	LTU	LRT. Still strong sigs, colour at times.	WK
E4	1827	03/07	E	TVE1. Weak sigs, then stronger.	WK
R3	1844	03/07	ROU	Logo top left. Fair sigs but QSB.	WK
R2	1848	03/07	EST	ETV. Fair sigs with QSB.	WK
IA IB	0609	04/07	I	RAI UNO. Very strong sigs.	WK
IA	0612	04/07	I	TVA. Strong sigs.	WK
E3	0624	04/07	SUI	SF1. Fair sigs but bad QRM.	WK
R1	0649	04/07	HNG	M-1. Fair sigs but QRM.	WK
R2	0651	04/07	HNG	RTL. Very strong sigs, some QRM.	WK
E4	0749	04/07	HRV	HRT1. Strong sigs, some QRM.	WK
R2	0908	04/07	UKR	YT2. Logo top right. Strong sigs.	WK
E4	1254	04/07	ISL	RUV. Fair sigs, some sound. Adverts/caption.	WK
E4	1354	04/07	ISL	RUV. Adverts/caption. Good sigs, some sound.	WK
E3 E4	1719	04/07	NOR	NRK. Logo top right. Fair sigs but also QRM at times.	WK
R2	1751	04/07	RUS	PTP. Very strong sigs, little QSB.	WK
R2	1851	04/07	RUS	PTP. Weak now, fair QSB, then strong again later.	WK
E3	1839	05/07	E	TVE1. Weak sigs, QSB.	WK
E4	1717	06/07	HRV	HRT1. Good sigs.	WK
R2	1728	06/07	HNG	RTL. Good sigs, some QSB though.	WK
E3	1730	06/07	SVN	SLO1. Strong sigs.	WK
C	1736	06/07	ALB	Logo top right. Very strong sigs at times. Some PMR QRM.	WK
E2	1800	06/07	D	ARD1. Strong sigs, some QRM.	WK
E4	1808	06/07	E	TVE1. Fair Sigs.	WK
E3	1826	06/07	SVN	SLO1. Very strong sigs. Sub titled English Prog.	WK
E4	1833	06/07	HRV	HRT1. Still strong sigs.	WK
IA	1856	06/07	I	RAI UNO. Good sigs, QRM Later.	WK
IA	1903	06/07	I	TVA. Strong sigs, some QRM.	WK
IB	1918	06/07	I	RAI UNO. Mixing in and out with Spain.	WK
E4	1937	06/07	E	TVE1. Cycling. Fair to strong sigs.	WK
E3 E4	2051	06/07	E	TVE1. Fair to weak sigs now.	WK
R2	1718	07/07	MDA	RTM. Strong sigs. Logo top left.	WK
L3	1720	07/07	F	Canal Plus. Very strong sigs.	WK
IA IB	1732	07/07	I	RAI UNO. Very strong sigs, bad QRM at times.	WK
C	1734	07/07	ALB	Fair sigs, QSB.	WK
R2	1741	07/07	UKR	1 logo top right. Sport. Strong sigs.	WK
L4	1742	07/07	F	Canal Plus. Very strong sigs. Some QRM though.	WK
E2 E3 E4	1811	07/07	E	TVE1. Strong on all channels. Best on E4.	WK
E2 E3 E4	1911	07/07	E	TVE1. Strong on all channels.	WK
L3	1916	07/07	F	Canal Plus. Very strong sigs.	WK
E2 E3 E4	2011	07/07	E	TVE1. Strong on all channels.	WK
E4	2012	07/07	HRV	HRT1. Popped up over Spain, then channel went back to Spain.	WK
E3	2020	07/07	POR	RTP1. Strong sigs blasting Spain out.	WK
IB	1837	08/07	I	RAI UNO. Weak sigs, fair QSB.	WK
E2 E3	1532	19/07	S	SVT1. Very strong bursts on E3. A lot of QSB though.	WK
R1	0741	21/07	HNG	M1. Fair bursts, but QSB.	WK
E2a	0746	21/07	AUT	ORF1. Fair sigs, took over from Hungary.	WK
R2	1838	26/07	HNG	RTL. Strong sigs but QSB.	WK
E3 E4	1905	26/07	S	SVT1. Sub titled prog. Strong on both channels.	WK
R2	1912	26/07	EST	ETV. Strong sigs, some QRM at times though.	WK
E3	1916	26/07	SVN	SLO1. Good sigs.	WK
E4	1917	26/07	HRV	HRT1. Strong sigs.	WK
IA IB	1049	28/07	I	RAI UNO. Very strong sigs on both channels.	WK
IA IB	1149	28/07	I	RAI UNO. Good sigs.	WK
IA IB	1511	28/07	I	RAI UNO. Good sigs on both channels.	WK
IA IB	1611	28/07	I	RAI UNO. Good sigs.	WK
IA	1612	28/07	I	TVA, Strong sigs, some QRM.	WK
R2	1613	28/07	HNG	RTL. Strong sigs.	WK
E3	1623	28/07	SVN	SLO1. Good sigs.	WK
E4	1624	28/07	HRV	HRT1. Took over from Italy. Good sigs.	WK
L4	1646	28/07	F	Canal Plus. Some QRM.	WK
IA IB	1712	28/07	I	RAI UNO. QRM on IB.	WK
C	1713	28/07	ALB	Fair sigs, some QSB though.	WK
R2	1714	28/07	LTU	LRT. Very strong sigs, colour. Some QRM though.	WK
IA	1720	28/07	I	TVA. Strong sigs, some QRM.	WK
E3	1807	28/07	SVN	SLO1. Sub titled Prog. Strong sigs.	WK
E4	1811	28/07	HRV	HRT1. Strong sigs but bad QRM.	WK
IA IB	1820	28/07	I	RAI UNO. Good sigs but some QRM on IB.	WK
R2	1834	28/07	LTU	LRT. Good sigs.	WK
R2	1934	28/07	LTU	LRT. Very strong sigs. Colour with little QSB.	WK

R2	2000	28/07	MDA	TVM. Strong sigs, little QSB.	WK
IA IB	1718	30/07	I	RAI UNO. Strong sigs.	WK
IA	1808	30/07	I	TVA. Fair sigs.	WK
L3 L4	1809	30/07	F	Canal Plus. Fair sigs on both channels.	WK
L3 L4	1809	30/07	F	Canal Plus. Fair sigs on both channels.	WK
IB	1903	30/07	I	RAI UNO. Fair sigs.	WK
E3	1917	30/07	E	TVE1. Weak sigs with QSB.	WK
E3 E4	2017	30/07	E	TVE1. Weak sigs with QSB.	WK
E3	1827	31/07	SVN	SLO1. Wavy pictures. Only lasted 15 minutes or so.	WK
E4	1828	31/07	HRV	HRT1. Weak sigs with QSB.	WK

LOGS FROM David Small, in Cannock

CH	TIME	DATE	ITU	Remarks	VAFI	M	N
IT-A	0705	02/07	I	RAI Uno. News. Also at 1300	2035	E	DS
E3/E4	1550	02/07	E	TVE 1. Drama. Best on E4	Fair	E	DS
E3	1615	02/07	POR	RTP 1. Sport. QRM from TVE	3343	E	DS
E2/E3	0915	03/07	E	TVE 1. Drama. In & out all day	3334	E	DS
IT-A	0650	04/07	I	RAI Uno & TVA. Drama & Telesales respectively. Both channels fighting it out!	Qrm	E	DS
R2	0705	04/07	HNG	RTL. Ads	3333	E	DS
R1	0708	04/07	HNG	MTV. Drama. Heavy QRM from baby alarms but audio clear	1341	E	DS
E4	1400	04/07	ISL	RUV. Rolling captions and radio sound	3334	E	DS
E2/3/4	1640	04/07	NOR	NRK. Cartoons	3333	E	DS
IT-A	1153	05/07	I	RAI Uno. News	2023	E	DS
E2/3	1710	06/07	E	TVE 1. Ads & Sport	2334	E	DS
R2	1715	06/07	HNG	RTL. Talks	2233	E	DS
R1	1720	06/07	HNG	MTV. Documentary	1332	E	DS
IT-A	1755	06/07	I	TVA. Telesales?	2033	E	DS
E2/E3/E4	1450	07/07	E	TVE 1. Movie	Fair	E	DS
IT-A	1515	07/07	I	TVA	3032	E	DS
F3	1550	07/07	F	Canal Plus. Scrambled pics	Strong	E	DS
E3	1705	07/07	POR	RTP 1. Movie	3342	E	DS
E3	1055	08/07	E	TVE 1. Motor racing	1334	E	DS
IT-A	1818	08/07	I	RAI Uno. Documentary	Fair	E	DS
E2/E3	1330	11/07	E	TVE 1. Football	Good	E	DS
E3/E4	1100	12/07	E	TVE 1. Movie credits. Weak on E4	3344	E	DS
E2	1130	12/07	E	TVE 1. Ads	2332	E	DS
E3	1430	12/07	POR	RTP 1. Commentary	Briefly	E	DS
IT-A	0830	14/07	I	TVA. Telesales	2034	E	DS
E3	1015	14/07	E	TVE 1. Drama	3334	E	DS
R2	1110	14/07	HNG	RTL. Pecs. Documentary & ads	3334	E	DS
E3	1115	14/07	SVN	SLO 1. OM Interview & folk music	3343	E	DS
E2/E4	1125	14/07	E	TVE 1. Studio PX	2233	E	DS
E3	1128	14/07	POR	RTP 1. Football, mixing with TVE	3333	E	DS
IT-A	1305	14/07	I	RAI Uno. Football.	2024	E	DS
E2	1318	14/07	SUI	SF 1. Studio PX	3332	E	DS
E3	1340	21/07	POR	RTP 1. OM/YL & widescreen movie clip	3333	E	DS
E2	1410	21/07	E	TVE 1. Sport	2322	E	DS
E2/E2/E4	1410	26/07	E	TVE 1. YL Annc'r	Fair	E	DS
E3	1428	26/07	POR	RTP 1. Ads	3332	E	DS
IT-A	0855	27/07	I	TVA & RAI Uno. Sales & OM respectively	Fair	E	DS
E2	1115	27/07	?	Unid. Subtitled PX	Qrm	E	DS
E4	1130	27/07	?	Serbia? PX Caption, for a long time	Fair	E	DS
E2/E3/E4	1310	27/07	NOR	NRK. PX Caption & radio sound	Fair	E	DS
E2 & E4	1330	27/07	NOR	NRK. PM5534 & Clas MX. This was mixing with NRK PX Cap	Poor	E	DS
E3	0745	28/07	E	TVE 1. Cartoons with plenty of colour. Also on E4 but weaker	3545	E	DS
E4	0800	28/07	ISL	RUV (Tent) PX Cap & radio sound	Weak	E	DS
R1	1028	28/07	HNG	MTV Sport. Good audio but pic suffering strong QRM	1332	E	DS
E2	1030	28/07	?	Unid. Sport in German	Fair	E	DS
IT-A	1100	28/07	I	RAI Uno. Ads	Fair	E	DS
L3	1118	28/07	F	Canal Plus. Scrambled Pics	Brief	E	DS
E3	1325	28/07	POR	RTP 1. Ads & Cap, mixing with TVE	3033	E	DS
E2 & E3	1329	28/07	E	TVE 1. YL with info	2332	E	DS
IT-A	1625	28/07	I	TVA. Telesales	Fair	E	DS
R2	1740	28/07	LRV	LRT. Singing	3033	E	DS
IT-B	1845	28/07	I	RAI Uno. Music PX	2433	E	DS
E3	1900	28/07	?	Either NRK or Sveriges. Talks	Fair	E	DS
E2/E3/E4	1940	28/07	E	TVE 1. Back for an evening session!	Good	E	DS
IT-A	0730	29/07	I	RAI & TVA. Outdoor PX/ Telesales respectively	Fair	E	DS
L3	0840	29/07	F	Canal Plus. Scrambled Pics	Fair	E	DS
E3	0850	29/07	E	TVE 1. Love Boat, in colour.	4444	E	DS
E3	0855	29/07	POR	RTP 1. Lousa. Cartoons	Fair	E	DS
IT-A	1700	30/07	I	RAI Uno & TVA.	Fair	E	DS
L3	1815	30/07	F	Canal Plus. Cartoons, not scrambled for a change!	Fair	E	DS
E2/E3/E4	1900	30/07	E	TVE 1.	Fair	E	DS
L2	2038	30/07	F	Canal Plus. Scrambled once more	Brief	E	DS

Until next month Good DX William



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Standard Deadline – 1st of every 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>
87.7	Reg	29/07	G	Walsall FM. Walsall RSL. Pop PX	WALSALL_	Fair	G	DS
87.8	2154	28/07	IRL	Lyric FM, Clermont Carn	2203 Lyric_FM		G	MHc
89.1	2142	28/07	IRL	RTE Radio 1, Kippure	2201 Radio_1_		G	MHc
89.6	0750	28/07	IRL	RTE R1. Mt Leinster. Talks	Radio_1_	V Good	T	DS
89.6	2142	28/07	IRL	RTE Radio 1, Mount Leinster	2201 Radio_1_		G	MHc
90.0	2142	28/07	IRL	RTE Radio 1, Mullaghanish	2201 Radio_1_		G	MHc
91.2	2144	28/07	IRL	RTE 2 FM, Suir Valley	2202 __2fm__		G	MHc
91.8	0750	28/07	IRL	RTE R2. Mt Leinster. Pop PX	__2fm__	V Good	T	DS
91.8	2144	28/07	IRL	RTE 2 FM, Mount Leinster	2202 __2fm__		G	MHc
92.2	2144	28/07	IRL	RTE 2 FM, Mullaghanish	2202 __2fm__		G	MHc
92.3	0314	31/07	BEL	RTBF Hainault, Anderlues. music, OM DJ	6A52 RTBF_HT_	good	T	MH
92.8		28/07	BEL	RTBF-2, Profondeville		Poor	T	**
92.9	2135	28/07	IRL	R na Gaeltachta	__R_na_G_		G	MHc
93.1	2146	28/07	G	BBC R Cymru	C327 BBCymru.		G	MHc
93.2		28/07	HOL	Radio 538, Tjerkgaast			T	**
93.5	2135	28/07	IRL	R na Gaeltachta, Kippure	__R_na_G_		G	MHc
93.7	2146	28/07	G	BBC R Cymru	C327 BBCymru.		G	MHc
94.0	0755	28/07	IRL	RTE Na Gaeltachta. Mt Leinster. Folk music	__R_na_G_	V Good	T	DS
94.0	2136	28/07	IRL	R na Gaeltachta, Mount Leinster	__R_na_G_		G	MHc
94.4	2136	28/07	IRL	R na Gaeltachta, Mullaghanish	__R_na_G_		G	MHc
95.1	2155	28/07	IRL	WLR FM, Faha	2422 __WLR_FM_		G	MHc
95.3	2156	28/07	G	BBC R Wales	C418 BBCWales		G	MHc
95.6	2148	28/07	IRL	South East R, Mt Leinster. "South East Radio's Power FM"	2423 Sth_East		G	MHc
95.9	2156	28/07	G	BBC R Wales	C418 BBCWales		G	MHc
96.1	2028	28/07	IRL	unid			G	MHc
96.4	2030	28/07	IRL	unid			G	MHc
96.4	2158	28/07	IRL	Cork's 96 FM, Nowen Hill	2084 __96FM_		G	MHc
97.3	2200	28/07	IRL	CKR FM, Killeshin. ann 97.3 97.6 and 107.4			G	MHc
97.4	0808	28/07	G	Red Dragon R. Newport. Pop PX	REDRAGON	Good	T	DS
97.5	2202	28/07	IRL	WLR FM, Carrickpherish	2422		G	MHc
98.6	2150	28/07	IRL	Lyric FM, Suir Valley	2203 Lyric_FM		G	MHc
99.2	0758	28/07	IRL	Lyric FM. Mt Leinster. Classical music	Lyric_FM	Good	T	DS
99.2	2150	28/07	IRL	Lyric FM, Mount Leinster	2203 Lyric_FM		G	MHc
99.6	2150	28/07	IRL	Lyric FM, Mullaghanish	2203 Lyric_FM		G	MHc
100.3	2152	28/07	IRL	Today FM	2205 TODAY_FM		G	MHc
100.9	0802	28/07	IRL	Today FM. Kippure. News	TODAY_FM	Good	T	DS
100.9	2152	28/07	IRL	Today FM, Kippure	2205 TODAY_FM		G	MHc
101.0	0810	28/07	G	Galaxy. Mendip. Pop PX	__GALAXY_	V Good	T	DS
101.0	0330	31/07	G	Galaxy 101, Mendip. pop	C3A5 __GALAXY_	fair	T	MH
101.1	0318	31/07	BEL	RTBF Namur, Wavre. music, travel news	6852 RTBF_NAM	good	T	MH
101.4	0800	28/07	IRL	Today FM. Mt Leinster. News	TODAY_FM	V Good	T	DS
101.4	2152	28/07	IRL	Today FM, Mount Leinster	2205 TODAY_FM		G	MHc
101.8	0321	31/07	BEL	RTBF Hainault, Tournai. // 92.3	6A52 RTBF_HT_	good	T	MH
101.8	2035	28/07	IRL	Today FM, Mullaghanish	2205 TODAY_FM		G	MHc
101.8	2152	28/07	IRL	Today FM, Mullaghanish	2205 TODAY_FM		G	MHc
103.1	0358	31/07	F	R Bleu Armorique. music	F905 BLEUARMO	good	T	MH
103.3	2015	28/07	IRL	103 FM, Nowen Hill	2613		G	MHc
103.7	2016	28/07	IRL	103 FM, Mount Hillary	2513 __103FM_		G	MHc
104.3	0406	31/07	G	BBC Wiltshire Sound. pop	CC12 BBC_Wlts	fair	T	MH
104.6	1818	30/07	G	BBC R Cymru	BBCymru.		G	MHc
104.9	2138	28/07	G	BBC R4	__BBC_R4_		G	MHc
105.4	0811	28/07	G	Real Radio. Cardiff. Info		Fair	T	DS
105.5	1020	28/07	IRL	Today FM. Clairmont Carn. 2 OM		Poor	T	DS
105.8	0810	28/07	G	Real Radio. Newport (Wales). Oldies & ID		Poor	T	DS
106.2	2126	02/07	G	NHS Conference R, Manchester		Poor	G	TB
106.3	2140	28/07	G	Bridge FM. "Bridge FM" ID		poor	G	MHc

IONOSPHERIC LOGBOOK

FREQ	TIME	DATE	ITU	STATION		RDS CODE	SIGNAL	M	RP
61.2	1750	06/07	I	R Punto Zero Cento Uno. ID & pop			Weak	E	DS
61.7	1718	06/07	I	R Magi-----Golden Hits. ID			Fair	E	DS
61.7	1201	14/07	I	Viva Radio. Ads, ID & Pop			Fair	E	DS
66.1	0940	04/07	HNG	R Kossuth. Komadi. Flute music & OM			Fair	E	DS
66.2	0940	04/07	HNG	Kossuth. Szentes. Flute music & OM			Fair	E	DS
66.4	0822	04/07	ROU	RR 2. Sibiu-Oncesti. Choral singing			Weak	E	DS
67.0	0818	04/07	ROU	RR 2. Sibiu-Comonesti Bacu. Choral singing			Weak	E	DS
67.4	0711	04/07	HNG	Kossuth. Budapest. OM			Good	E	DS
67.6	0818	04/07	ROU	RR 2. Zalau. Choral singing			Weak	E	DS
68.4	0820	04/07	ROU	RR 2. Semenec-Resita. Choral singing			Weak	E	DS
84.5	1853	28/07	?	Unid. OM, possibly in Danish. Audio had strange ringing sound. Ideas anyone?			Good	E	DS
87.5	1737	02/07	I	Radio Radicale. Talk & music	5210	RADIO___	RADICALE	Good	E WK
87.5	0621	04/07	I	Radio Italia.		5220	R_ITALIA	Strong	E WK
87.5	1916	06/07	I	Radio Italia.		5220	R_ITALIA	Strong	E WK
87.5	1520	07/07	I	Radio Maria. Vietre Sul Mar. Relig sce.		51CC	R.MARIA_	Qsb	E DS
87.5	1729	07/07	I	Radio Subi (Perugia.ed)		5307	__SUBI__	Strong	E WK
87.5	1906	07/07	I	Radio Maria		51CC	R_MARIA_	Strong	E WK
87.5	1913	07/07	I	Radio DeeJay.		5214	__DEEJAY	Strong	E WK
87.5	1836	08/07	I	Radio Italia.		5220	R_ITALIA	Good	E WK
87.5	1621	28/07	I	Radio Maria		51CC	R.MARIA_	Good	E WK
87.5	1806	28/07	I	Radio Italia		5220	R_ITALIA	Good	E WK
87.5	1810	28/07	I	R Italia. 7 listed. Italian pop		5220	R_ITALIA	V Good	E DS
87.5	1715	30/07	I	Radio Maria.		51CC	R.MARIA_	Strong	E WK
87.5	1842	30/07	I	Radio DeeJay.		5214	__DEEJAY	Strong	E WK
87.5		28/07	TUR	Delta FM?, Istanbul (V V Tent)			brf	E	**
87.6		28/07	BUL	Shumen (pres)				E	**
87.6	1008	02/07	E	Catalunya Informacio, Soriguera. 1kW		E234	CATINFO_	Fair	E JF
87.6	1013	02/07	E	Catalunya Culture, Camprodon				Fair	E JF
87.6	1034	02/07	E	RNE 1, 2 listed – Monte Yerga & Monte Ulia		E211	RNE_1___	Fair	E JF
87.6	1109	02/07	E	RCM Radio			RCMRADIO	Fair	E JF
87.6	1654	02/07	E	RNE 5. Marbella. ID				Weak	E DS
87.6	1710	02/07	E	RCM Radio. slow songs AF 87.6 93.3 102.6 98.6 96.8 102.5 103.4 104.0 101.5 91.9 106.7 102.4		E396		Good	E MH
				RT 'LA RADIO AUTONOMICA DE CASTILLA-LA MANCHA'					
87.6	1916	02/07	E	RCM Radio. Pop		E396	RCMRADIO	Good	E MH
87.6	2022	02/07	E	RCM Radio. Pop		E396	RCMRADIO	Fair	E MH
87.6	2025	02/07	E	Cad Cien, Cordoba. YL/OM talk AF 87.6 99.6 88.8 88.2 89.4		E2CE	CAD-CIEN	Fair	E MH
				RT was complete mess of non-alphabetic characters			CORDOBA_		
87.6	1920	06/07	E	Onda Cero, Plasencia		E2EE		Weak	E MH
87.6	1923	06/07	E	"Onda Cero Musica" ID. Unlisted				Weak	E JF
87.6	1610	07/07	E	Catalunya Info. 2 listed		E234	CATINFO_	Poor	E DS
87.6	1819	07/07	E	Catinfo.		E234	CATINFO_	V.Good	E WK
87.6	2000	07/07	E	Cad Cien.		E2CE	CAD-CIEN	Strong	E WK
87.6	0920	29/07	E	SER. On Car Radio.		E279	__SER__	Strong	E WK
87.6	1718	07/07	F	Skyrock, Castres (81)			SKYROCK_	Good	E TB
87.6	1805	07/07	F	France Musiques. Classical Music.		F203	_MUSIQUES	V.Good	E WK
87.6	1638	28/07	F	Rire & Chansons		F226	RIRE&__	Good	E WK
87.6	0746	04/07	HNG	Slager R. Mixing with Tunisia.		B206	_SLAGER_	Strong	E WK
87.6	1729	06/07	HNG	Slager R. Pop Music.		B206	_SLAGER_	Strong	E WK
87.6	1906	26/07	HNG	Slager R. Good Sigs, some rapid QSB.		B206	_SLAGER_	Strong	E WK
87.6	0508	04/07	HRV	R Durdevac, Djurdjevac. 300w		C076	DURDEVAC	Fair	E JF
87.6	1430	02/07	I	RAI 1. Mt Cavo. (Autologged)			RAI_MF1_		E DS
87.6	0607	04/07	I	RAI-1.		5201	RAI_MF1_	Strong	E WK
87.6		28/07	I	RAI-MF1, on whip after 2000utc		5201			E **
87.6	1711	28/07	I	DIMSUONO		5264	DIMSUONO	Good	E WK
87.6	1700	30/07	I	R Dim Suono. 3 listed. News		5264	*_RDS_*	Good	E DS
87.6	1717	30/07	I	RAI 1.		5201	RAI_MF1_	Strong	E WK
87.6	1739	30/07	I	LATMIELE.		5355	LATMIELE	Strong	E WK
87.6	1635	03/07	ISR	Kol Israel, Unid site, YL tele tlk				Poor/brf	E TB
87.6	1736	03/07	LVA	LVR Klasika, Valmiera. classical music. no RDS				Fair	E MH
87.6	1638	02/07	MRC	RTM. Rabat. YL in Arabic				Weak	E DS
87.6	1907	02/07	MRC	RTM (pres) Arabic music no RDS				Good	E MH
87.6	2001	02/07	MRC	RTM. Very strong sigs. News.				V Strong	E WK
87.6	1758	06/07	MRC	RTM. Talking. Best on vertical ant.				V Strong	E WK

87.6	1850	06/07	MRC	RTM, Rabat. Arabic songs no RDS				Fair	E	MH
87.6	0943	29/07	MRC	RTM. On Car Radio. Mono signal.				V Strong	E	WK
87.6	1851	06/07	MRC?	Presume Morocco. // 88.0 in mono				Weak	E	JF
87.6	2055	28/07	NOR	NRK P1, Nordhve (He)			_NRK_P1_		E	MHc
87.6	1700	03/07	POL	R Maryja, Pelplin. // 88.5					E	JF
87.6	0725	04/07	POL	PR Krakow. YL/OM talk, Genesis mx	3703	PRKRAKOW	_Rabka_	Good	E	MH
							0926			
87.6	1647	02/07	POR	Seixal FM. YL/OM adverts		8042	SEIXALFM	Good	E	MH
87.6	1926	02/07	POR	Seixal FM. Talk & Music.		8042	SEIXALFM	Strong	E	WK
87.6	2024	02/07	POR	Seixal FM. Portuguese pop		8042	SEIXALFM	Fair	E	MH
87.6	2014	06/07	POR	Seixal FM. Music.		8042	SEIXALFM	Strong	E	WK
87.6	1050	29/07	POR	Seixal FM, Seixal (Se)		8042	SEIXALFM		E	MHc
87.6	1415	29/07	POR	Seixal FM, Seixal.		8042	SEIXALFM	Briefly	E	DS
87.6	1315	27/07	S	Sveriges P1. 3 hp listed. OM		E201	_SR_P1_	V Good	E	DS
87.6	0505	04/07	SVN	R MMR, Murska Sobota Pecar.	90C5	_MMR_	LENDVA_	Fair	E	JF
87.6	1921	02/07	TUN	R Tataouine. Arabic music		7205	RG-Tatao	Fair	E	MH
87.6	1626	03/07	TUN	R Tataouine. Arabic music AF 90.4 93.4 95.0		7205	RG-Tatao	Fair	E	MH
87.6	0722	04/07	TUN	R Tataouine. Mixing with another station.		7205	RG-TATAO	Strong	E	WK
87.6	0725	04/07	TUN	R Tataouine, Zarzis. Talks in Arabic		7205	RG_Tatao	Brief	E	DS
87.6	0726	04/07	TUN	R Tataouine, Zarzis. AR music/song		7205	RG-Tatao	Good	E	MH
87.6	1714	07/07	TUN	R Tataouine on car radio coming home from work.		7205	RG-TATAO	V Strong	E	WK
87.6	1532	28/07	TUN	R Tataouine, Zarzis.		7205	RG-Tatao	Good	E	WK
87.6	1755	30/07	TUN	R Tataouine.		7205	RG-Tatao	Strong	E	WK
87.6	1810	30/07	TUN	R Tataouine, Zarzis.			RG_TATAO		E	CF
87.6		28/07	TUR	V strong mournfull mx, no rds, Istanbul Area				56dB	E	**
87.65	1315	02/07	I	un-id "the DJ's at the door" mx				Fair	E	MH
87.7	1845	03/07	?	un-id Arabic talk not // 90.8 91.8 same time as Lithuania & Belarus				Fair	E	JF
87.7	1000	02/07	E	Cadena Cien, Figueras (500w)				Fair	E	JF
87.7	1935	02/07	E	Europa FM. Unid site. Pop (Alcala de Henares - ed)		E2ED		Fair	E	DS
87.7	1930	06/07	E	Onda Cero Musica, Jerez				Fair	E	JF
87.7	1723	07/07	E	Europa FM, Madrid, Full RDS, blank carrier xfading RDP-1				Good	E	TB
87.7	1743	07/07	E	RAC-1, Barcelona			RAC_1_	Excell	E	TB
87.7	1930	07/07	E	Cadena Cien. Jerez? Jingle & Ads				Fair	E	DS
87.7	0815	29/07	E	RAC. Collserola. Phone conv		E251	RAC_1_	V Good	E	DS
87.7	1850	30/07	E	RAC 1.		E251	RAC_1_	Strong	E	WK
87.7	2000	30/07	E	Onda Cero Musica, Jerez de la Frontera			ONDACERO		E	CF
87.7	1031	02/07	F	France Inter, multi tx.		F201		Fair	E	JF
87.7	1849	06/07	F	Rire, Nice.		F226	RIRE_&_	Strong	E	WK
87.7	1641	07/07	F	France Inter. Many listed – Laissac likely. Cinema px				Poor	E	DS
87.7	1901	07/07	F	"R Sud FM" ID. Mono				Fair	E	JF
87.7	1116	28/07	F	Unknown Station.		F1F9		Good	E	WK
87.7	1840	30/07	F	RCF.		F851	RCF_	Strong	E	WK
87.7	1726	02/07	I	R Venere. Talking.		5A4A	R Venere	Good	E	WK
87.7	1850	06/07	I	Capital R. 3 listed. Pop		5219	_CAPITAL	Good	E	DS
87.7	1227	14/07	I	R Venere. pop AF: 91.7 : 87.7	5A4A	R-VENERE	TEL.0833	fair	E	MH
						53.....	SA.....			
87.7	1421	28/07	I	DIMSUONO		5264	DIMSUONO	Good	E	WK
87.7	1811	28/07	I	RETE 105. Unid site. ID & Ads				Poor	E	DS
87.7	1856	30/07	I	DIMSUONO.		5264	DIMSUONO	Strong	E	WK
87.7	1825	28/07	I?	Unid.		534D	RPZCENTR	Qsb	E	DS
87.7	1415	04/07	ISL	RAS 2. Gagnheidi. OM & Vocals. Not strong but a clean signal!				Brief	E	DS
87.7	1953	03/07	LBN	AA Unid // 91.8				Poor	E	TB
87.7	1938	06/07	POR	RDP 1, Mendro. OM talk		8201	ANTENA_1	Good	E	MH
87.7	2018	07/07	POR	R Voz da Raia, Penamacor. Pop		80AC	VOZ-	Fair	E	MH
87.7	2019	07/07	POR	RDP 1, Mendro. pop concert song		8201	ANTENA_1	Good	E	MH
87.7	2058	07/07	POR	RDP 1, Mendro. pop, adverts		8201	ANTENA_1	Good	E	MH
87.7	1558	11/07	POR	RDP 1. Mendro. Ads & News		8201	ANTENA_1	V Good	E	DS
87.7	0705	04/07	SVK	Fun Radio. Pop Music, ID's.		2311	FUNRADIO	Strong	E	WK
87.7	0721	04/07	SVK	Fun Radio, Kosice. Pop AF 87.7 94.3 99.2 102.9 104.0		2311	FUNRADIO	Good	E	MH
87.7	0909	04/07	SVK	Fun Radio. Back again. Strong sigs.		2311	FUNRADIO	Strong	E	WK
87.7	1637	14/07	SVK	Fun Radio, Kosice. pop		2311	FUNRADIO	good	E	MH
				[Lots of Radiotext]						
87.7		28/07	TUR	VEYS FM, Istanbul?? (tent), very harsh sibilant audio, almost unlistenable, AA mx				Gpks	E	**
87.7	2003	03/07	YUG	R Novi-Sad-1, Iriski Venac				Good	E	TB
87.8	0521	04/07	?	un-id.	F510	POPAR_	_POPAR	Fair	E	JF
87.8	1907	06/07	E	RNE 3, Baza (AND). YL song		E213	RNE_3_	Good	E	MH
87.8	0855	29/07	E	RNE 3. Unid site. Country music (Baza listed.ed)		E213	RNE_3_	V Good	E	DS
87.8	2000	30/07	E	RNE 5,			RNE-5_		E	CF

87.8	1721	07/07	F	France Culture.	F202	_CULTURE	V Strong	E	WK	
87.8	1908	07/07	F	Unid. French vocals	F208	LE_MOUV'		E	DS	
87.8	1909	07/07	F	RF-Le Mouv, Lyon (69) listed.	F208	LE_MOUV	Good	E	JK	
87.8	1720	06/07	HRV	R Dalmacija.	DD76	DALMATIA	Strong	E	WK	
87.8	1908	06/07	I	RAI MF1. Music.	5201	RAI_MF1	Strong	E	WK	
87.8	1712	28/07	I	Rock FM	5E00	_ROCKFM_	Good	E	WK	
87.8	0708	04/07	POL	Opera FM, Krakow. opera music	3045	Opera_FM	Fair	E	MH	
87.8	1135	02/07	POR	R Montemuro, Cinfaes		MONTMURO	Fair	E	JF	
87.8	2000	30/07	POR	ANTENE_1		ANTENE_1		E	CF	
87.9	0719	04/07	?	un-id. YL talk in ? lang			Fair	E	MH	
87.9	0522	04/07	AUT	Studio Wien, Krone Hit R, UNID site	A202		Weak	E	JF	
87.9	1923	02/07	E	SER. OMs talk AF 103.2	E239	__SER__	Good	E	MH	
87.9	1930	06/07	E	SER. News. (Moron de la Frontera.ed)	E239	__SER__	Strong	E	WK	
87.9	1630	07/07	E	RNE R4. Alpicat	E314	RNE_4__	Fair	E	DS	
87.9	1746	07/07	E	RNE-4, Lerida		RNE-4__	Excell	E	TB	
87.9	1852	07/07	E	RNE-4, Alpicat	E314	RNE-4__	Fair	E	JF	
87.9	1938	07/07	E	UNID	E219		Fair	E	JF	
87.9	1555	26/7	E	Unid. Many PS names	E3B6	_BEIZRO_	V Good	E	DS	
87.9	0825	29/07	E	CCULTURA. On Car Radio.	E233	CCULTURA	Strong	E	WK	
87.9	1854	30/07	E	CCULTURA.	E233	CCULTURA	Strong	E	WK	
87.9	1914	30/07	E	RNE 4.	E314	RNE_4__	Strong	E	WK	
87.9	2000	30/07	E	RNE R4. Alpicat		RNE-4__		E	CF	
87.9	1009	02/07	F	France Inter, multi tx. Maybe Toulouse?	F201	__INTER_	Fair	E	JF	
87.9	1314	02/07	F	France Culture. YL/OM talk	F202	_CULTURE	Fair	E	MH	
87.9	1803	07/07	F	Europe 1 Om with news in mono		EUROPE-1	Fair	E	DS	
87.9	1817	07/07	F	Europe 1.	F213	EUROPE1	V Strong	E	WK	
87.9	1743	30/07	F	BFM, Toulon	F227	BFM_____	Strong	E	WK	
87.9	1804	30/07	F	EUROPE 1.	F213	EUROPE_1	Strong	E	WK	
87.9	1845	30/07	F	R F M.	F212	__R_F_M_	Strong	E	WK	
87.9	1848	03/07	FIN	YLE 1, Espoo. classical music AF 87.9 90.9 89.8 89.2 93.2 88.5 89.5 RT 'Tuija Hakkila ja Joh'	6201	YLENYKSI	Good	E	MH	
87.9	1818	04/07	FIN	YLE. Only lasted around 20 seconds.	6201	YLENYKSI	V Strong	E	WK	
87.9	1910	02/07	I	R Camaldoli Stereo. Unid site. Pop	5045	PROTEGGE	Good	E	DS	
87.9	1609	03/07	I	un-id. adverts, sports nx, Fiorentina, Lazio no RDS			Fair	E	MH	
87.9	1758	03/07	I	R Italia NTWK, Reggio Calabria			Poor	E	TB	
87.9	0608	04/07	I	R Camaldoli. Loads of RDS scrolling	5045	CAMALDLI	Strong	E	WK	
87.9	0626	04/07	I	R Camaldoli. Loads of RDS scrolling.	5045	CAMALDLI	Strong	E	WK	
87.9	1849	05/07	I	un-attended Reception.	537B	ARCBALE	Good	E	WK	
87.9	1727	07/07	I	R Camaldoli. Mixing with Radio Capris.	5045	CAMALDLI	QRM	E	WK	
87.9	1804	07/07	I	R Camaldoli. Scrolling RDS.		CAMALDLI	V Good	E	WK	
87.9	1815	07/07	I	R Latte Miele.	5355	LATMIELE	Strong	E	WK	
87.9	1840	08/07	I	R Camaldoli.	5045	CAMALDLI	Good	E	WK	
87.9	1843	14/07	I	R Maria. OM talk	51CC	R.MARIA_	fair	E	MH	
87.9	1859	14/07	I	Italia Network Adv's, YL ID, ID, ID AF: 87.9 : 104.0 106.2 106.5 87.9	5241	_ITALIA_ NETWORK_	good	E	MH	
87.9	1809	28/07	I	R Camaldoli.	5045	CAMALDLI	*STEREO*	Strong	E	WK
87.9	1015	29/07	MRC	RTM. Rabat. YL in mono			Good	E	DS	
87.9	1854	06/07	POR	RDP 1, Lousa. OM talk	8201	ANTENA_1	Good	E	MH	
87.9	1955	06/07	POR	RDP 1. Lousa. Jazz	8201	ANTENA_1	Good	E	DS	
87.9	1756	07/07	POR	RDP 1. 8201		ANTENA_1	Strong	E	WK	
87.9	2041	07/07	POR	RDP 1, Lousa. Music	8201	ANTENA_1	Good	E	MH	
87.9	1315	27/07	S	Sveriges P1. Östersund. OM	E201	-SR_P1_-	Good	E	DS	
87.9	1730	06/07	SVK	R Capris. Koper - Poljane. (Autologged)	23F8	R_CAPRIS		E	DS	
87.9	0749	04/07	SVN	R Capris. RDS also said 105 1 FM.	08F0	R_CAPRIS	*C*P*I**	Strong	E	WK
87.9	0825	04/07	SVN	R Capris, Poljane.	23F8	_RADIO__ _I_ZZ_A_	_CAPRIS_ _H_A_L_0 KILJICA_	Fair	E	JF
						POLETJE_ NA_RADIU				
87.9	1717	06/07	SVN	R Capris.	23F8	_CAPRIS_	Strong	E	WK	
87.9	1725	07/07	SVN	R Capris. Mixing with another station.	23F8	_CAPRIS_	QRM	E	WK	
87.9	1810	07/07	SVN	R Capris	23F8	_CAPRIS_	Strong	E	WK	
87.9	1200	29/07	SVN	R Capris. On Car Radio. Also RETJE NA RADIU.	08F0	_CAPRIS_	V Good	E	WK	
87.9	1857	03/07	TUR	Kupe FM, Istanbul	1111	KUPE_FM_	Fair	E	JF	
87.9		28/07	TUR	Kupe FM, Istanbul	5464	TEL_0212	Good	E	**	
88.0	1845	03/07	?	UNID Arabic talking // 91.8 same time as Lithuania & Belarus in			Fair	E	JF	
88.0	1903	03/07	?	R Free Europe? East European language			V Good	E	JF	
88.0	1717	26/07	?	? unid	E104		brief	E	MH	
88.0	2007	27/07	?	? unid ... couple of probably spurious PI C199 83C8			brief	E	MH	

88.0	0422	04/07	BUL	Alma Mater R, Sofia RT 'ALMA MATER RADIO TEL.9861607'		8466	AlMater_	Fair	E	MH
88.0	0509	04/07	BUL	Alma Mater R, Sofia		8466	AlMater_	Fair	E	MH
88.0	0843	05/07	BUL	Alma Mater R, Sofia		8466	AlMater_	Good	E	MH
88.0	1809	05/07	BUL	Alma Mater R, Sofia		8466	AlMater_	Good	E	MH
88.0	0938	07/07	BUL	R Alma Mater, Sofia		8466	AlMater_	Good	E	MH
88.0	1438	26/07	BUL	R Alma Mater, Sofia		8466	AlMater_	good	E	MH
88.0	1151	27/07	BUL	R Alma Mater, Sofia. until at least 12.15		8466	AlMater_	good	E	MH
88.0	1143	29/07	BUL	R Alma Mater, Sofia		8466	AlMater_	good	E	MH
88.0	1055	02/07	E	un-id		E343	_MUSICA_		E	JF
88.0	1654	02/07	E	RNE 5. Mijas. News & ID's		E615	RNE_5__	V Good	E	DS
88.0	1935	02/07	E	SER, Tarancon. 2 OM		E239	TARANCON	Good	E	DS
88.0	1947	02/07	E	RNE 5. YL talk		E215	RNE_5__	Fair	E	MH
88.0	1518	06/07	E	RNE 5		E215		Fair	E	MH
88.0	1542	06/07	E	RNE 5		E615	RNE_5__	Fair	E	MH
88.0	1805	06/07	E	SER. RDS multi display.		E239	_SER__	Strong	E	WK
88.0	1817	06/07	E	RNE 5		E615	RNE_5__	Good	E	MH
88.0	1827	06/07	E	RNE 5. Better on vertical.		E615	RNE_5__	Strong	E	WK
88.0	2017	06/07	E	RNE 5. YL news RT 'Radio 5, Todo Noticias de Radio Nacional de Espana * RNE 5 **		E615	RNE_5__	Good	E	MH
88.0	0911	07/07	E	RNE 5		E615	RNE_5__	Good	E	MH
88.0	1647	07/07	E	Radio Union, Barcelona. E0FC			R, UNION_	Excell	E	JK
88.0	1728	07/07	E	TARANCON on RDS Display		E239	TARANCON	Strong	E	WK
88.0	2002	07/07	E	RNE 5, OM talk		E615	RNE_5__	Fair	E	MH
88.0	2016	07/07	E	RNE 5.		E615	RNE_5__	Strong	E	WK
88.0	1620	27/07	E	RNE 5		E615	RNE_5__	good	E	MH
88.0	1058	28/07	E	RNE 5		E615	RNE_5__	good	E	MH
88.0	1144	28/07	E	RNE 5		E215		brief	E	MH
88.0	1904	28/07	E	RNE 5		E615	RNE_5__	good	E	MH
88.0	0917	29/07	E	SER Tarancon (Cam)	E239	_SER__	TARANCON	good	E	MH
88.0	0939	29/07	E	RNE 5. in/out until 11.20		E615	RNE_5__	good	E	MH
88.0	1001	29/07	E	RNE 5		E215		brief	E	MH
88.0	1010	29/07	E	RNE 5		E615		good	E	MH
88.0	1011	29/07	E	RNE 5		E215		brief	E	MH
88.0	1021	29/07	E	RNE 5, Punta Umbria (And)		E615	RNE_5__		E	MHc
88.0	1022	29/07	E	RNE 5. On Car Radio.		E215	RNE_5	V Good	E	WK
88.0	1218	29/07	E	RNE 5		E215		brief	E	MH
88.0	1232	29/07	E	RNE 5		E615	RNE_5__	good	E	MH
88.0	0552	30/07	E	RNE 5		E615		fair	E	MH
88.0	2006	30/07	E	RNE 5		E615		good	E	MH
88.0	1554	03/07	F	France Musiques, Ajaccio. classical music		F203	MUSIQUES	Good	E	MH
88.0	1627	03/07	F	France Musiques, Ajaccio. classical music		F203	MUSIQUES	Fair	E	MH
88.0	1754	07/07	F	France Musique.		F203	_MUSIQUES	Strong	E	WK
88.0	1834	07/07	F	Cherie FM, Villefranche		F224		Fair	E	MH
88.0	1834	07/07	F	Cherie FM, Villefranche		F224	CHERIEFM	Good	E	MH
88.0	1844	07/07	F	France Inter (many)		F201		Fair	E	MH
88.0	1638	28/07	F	France Musiques, Ajaccio. for 45 mins		F203	MUSIQUES	fair	E	MH
88.0	1628	30/07	F	France Musiques, Ajaccio		F203	MUSIQUES	fair	E	MH
88.0	1817	30/07	F	France Inter		F201		brief	E	MH
88.0	1821	30/07	F	France Musiques, Ajaccio		F203		fair	E	MH
88.0	0639	02/07	GRC	Relax FM, Patra		1008		Brief	E	MH
88.0	1604	07/07	GRC	Relax FM, Patra RT 'RELAX FM'	1008	ENEMY__	GATES__	Fair	E	MH
88.0	1718	07/07	GRC	Relax FM, Patra RT 'RELAX FM'		1008	KASTRO__	Fair	E	MH
88.0	1801	07/07	GRC	Relax FM, Patra		1008		Brief	E	MH
88.0	1832	14/07	GRC	Relax FM, Patra. pop, YL ID, pop		1008		fair	E	MH
88.0	0745	27/07	GRC	Mix FM		1000		poor	E	MH
88.0	0739	29/07	GRC	Mix FM RT: '	MIX FM!!'	1000	_MARE_N_	fair	E	MH
88.0	0345	04/07	HRV	R Baranja, Beli Manastir. RT 'OSVJEZIT SE U PRAVOM OLIMPIJSKO ZENU U B.MANASTIRU' RT 'O BA A FM 88 * FONI'		1111	BARANJA_	Fair	E	MH
88.0	0823	04/07	HRV	R Baranja, Beli Manastir. TENT		1111		Fair	E	JF
88.0	1846	26/07	HRV	R Baranja, Beli Manastir		1111	BARANJA_	fair	E	MH
88.0	1030	29/07	HRV	R Baranja, Beli Manastir		1111	BARANJA_	fair	E	MH
88.0	1050	02/07	I	R Maria		51CC	R.MARIA_	Fair	E	MH
88.0	1117	02/07	I	Radio 105		5211		Brief	E	MH
88.0	1206	02/07	I	R Maria		51CC	R.MARIA_	Good	E	MH
88.0	1235	02/07	I	R Deejay AF 90.2		5214		Poor	E	MH
88.0	1322	02/07	I	Radio 105. 105.net and adverts	5211	.RADIO_.	._105_.	Fair	E	MH
88.0	1739	02/07	I	Kiss Kiss Network. Pop		5A34	KISSKISS	Fair	E	MH

88.0	1608	03/07	I	Radio 105. OM, pop, ID, jingles, pop	5211	.RADIO_.	._105_.	Fair	E	MH
88.0	0516	04/07	I	Studio 24, Ancona		9F65	STUDIO24	Fair	E	MH
88.0	0525	04/07	I	Kiss Kiss Network	5A34	KissKiss	Network_	Good	E	MH
88.0	0542	04/07	I	One O One Network (FR)		5215		Brief	E	MH
88.0	0545	04/07	I	un-id poss Camaldoli splash from 87.9		5045		Poor	E	MH
88.0	0632	04/07	I	R Deejay		5214	_DEEJAY_	Good	E	MH
88.0	0635	04/07	I	R Capital		5219		Brief	E	MH
88.0	0642	04/07	I	R Maria. Talk		51CC	R.MARIA_	Fair	E	MH
88.0	0642	04/07	I	Radio Maria.		51CC	R.MARIA	Strong	E	WK
88.0	0939	05/07	I	Kiss Kiss Network	5A34	KissKiss	Network_	Good	E	MH
88.0	1019	05/07	I	Radio 105. pop	5211	.RADIO_.	._105_.	Fair	E	MH
88.0	1848	05/07	I	Radio 105		5211		Fair	E	MH
88.0	1716	06/07	I	R Birikina (TS)		526E	BIRIKINA	Good	E	MH
88.0	1743	06/07	I	R Birikina-CNR, Trieste listed			BIRIKINA	Good	E	JK
88.0	1106	07/07	I	Radio 105	5211	.RADIO_.	._105_.	Good	E	MH
88.0	1440	07/07	I	R Maria		51CC	R.MARIA_	Good	E	MH
88.0	1445	07/07	I	One O One Network (FR)		5215		Brief	E	MH
88.0	1657	07/07	I	R Maria		51CC	R.MARIA_	Good	E	MH
88.0	1702	07/07	I	Kiss Kiss Network		5A34		Fair	E	MH
88.0	1704	07/07	I	One O One Network (FR)		5215		Brief	E	MH
88.0	1710	07/07	I	Radio 24 (MC)		5245	RADIO_24	Good	E	MH
88.0	1714	07/07	I	Radio 105	5211	.RADIO_.	._105_.	Good	E	MH
88.0	1744	07/07	I	un-id		5495		Brief	E	MH
88.0	1748	07/07	I	R Birikina (TS)		526E		Fair	E	MH
88.0	1800	07/07	I	R Maria		51CC	R.MARIA_	Good	E	MH
88.0	1829	07/07	I	Studio 24, Ancona		9F65	STUDIO24	Good	E	MH
88.0	1938	07/07	I	R Deejay		5214		Fair	E	MH
88.0	0948	08/07	I	Kiss Kiss Network	5A34	KissKiss	Network_	fair	E	MH
88.0	0958	08/07	I	R Capital		5219	CAPITAL_	good	E	MH
88.0	1000	08/07	I	RAI GRPR		5206	RAI_GRPR	good	E	MH
AF: 90.3 : 98.4 88.0 92.3 89.0 89.5 102.0 104.2 98.3										
88.0	1013	08/07	I	R Italia Anni 60	5495	_ANN 60	IA_	fair	E	MH
88.0	1014	08/07	I	R Maria		51CC	R.MARIA_	good	E	MH
88.0	1020	08/07	I	Radio 105	5211	.RADIO_.	._105_.	good	E	MH
88.0	1016	11/07	I	Publi R Network, Taranto		50C3	PUBLIRAD	good	E	MH
88.0	1020	11/07	I	Studio 24, Ancona		9F65	STUDIO24	good	E	MH
88.0	1046	11/07	I	One O One Network (FR)		5215		fair	E	MH
88.0	1252	11/07	I	One O One Network (FR)		5215		brief	E	MH
88.0	1311	11/07	I	R Italia Anni 60. "Do the locomotion"	5495	R_ITALIA	_ANNI_60	good	E	MH
88.0	1314	11/07	I	Radio 105. pop	5211	.RADIO_.	._105_.	fair	E	MH
88.0	1316	11/07	I	R Deejay. pop		5214	_DEEJAY_	fair	E	MH
88.0	1915	14/07	I	R Maria. OM talk		51CC	R.MARIA_	fair	E	MH
88.0	1921	14/07	I	Radio 105. pop		5211	._105_.	fair	E	MH
88.0	0955	23/07	I	R Maria		51CC	R.MARIA_	fair	E	MH
88.0	1201	26/07	I	R Maria		51CC		poor	E	MH
88.0	1710	26/07	I	R Maria		51CC	R.MARIA_	fair	E	MH
88.0	0812	27/07	I	Publi R Network, Taranto		50C3	PUBLIRAD	good	E	MH
88.0	0816	27/07	I	Kiss Kiss Network	5A34	KissKiss	Network_	fair	E	MH
88.0	0827	27/07	I	Radio 105	5211	.RADIO_.	._105_.	fair	E	MH
88.0	0916	27/07	I	R Deejay		5214	_DEEJAY_	fair	E	MH
88.0	1132	27/07	I	Radio 105	5211	.RADIO_.	._105_.	fair	E	MH
88.0	1457	28/07	I	Radio 105. xd-ing Maria for 1 hour	5211	.RADIO_.	._105_.	fair	E	MH
88.0	1519	28/07	I	R Maria. xd-ing R 105 for 1 hour		51CC	R.MARIA_	brief	E	MH
88.0	2026	28/07	I	Kiss Kiss Network	5A34	KissKiss	Network_	fair	E	MH
88.0	2134	28/07	I	Radio 105	5211	.RADIO_.	._105_.	fair	E	MH
88.0	2151	28/07	I	Publi R Network, Taranto		50C3		brief	E	MH
88.0	2208	28/07	I	Kiss Kiss Network		5A34		brief	E	MH
88.0	0804	29/07	I	Publi R Network, Taranto		50C3	PUBLIRAD	good	E	MH
RT: 'publiradio prova coder rds su teli princo										
88.0	0808	29/07	I	Kiss Kiss Network	5A34	KissKiss	Network_	good	E	MH
88.0	0825	29/07	I	Radio 105		5211		fair	E	MH
88.0	0943	29/07	I	R Maria		51CC		brief	E	MH
88.0	2134	29/07	I	Radio 105		5211		brief	E	MH
88.0	1612	30/07	I	Radio 105	5211	.RADIO_.	._105_.	fair	E	MH
88.0	1654	30/07	I	R Deejay. in/out for 45 mins		5214	_DEEJAY_	poor	E	MH
88.0	1718	30/07	I	Radio Italia.	5495	R_ITALIA	ANNI	Strong	E	WK
88.0	1740	30/07	I	RETE 105. Messina.		5211			E	DS
88.0	1750	30/07	I	R Maria		51CC	R.MARIA_	brief	E	MH
88.0	1800	30/07	I	Radio 105	5211	.RADIO_.	._105_.	good	E	MH

88.0	1804	30/07	I	R Rama, Arbatax (Nu)		56A6		brief	E	MH		
88.0	1940	30/07	I	Radio 105	5211	.RADIO_.	._105_.	good	E	MH		
88.0	1637	03/07	LBN	FF unid				Brf fpk	E	TB		
88.0	1951	03/07	LBN	Mono AA mx				G pk	E	TB		
88.0		28/07	LBN	Nostalg, Beirut, crooning mx		93C9	NOSTALGI	G pks	E	**		
88.0	1848	03/07	LTU	RFE // 100.9 101.9 102.9				Good	E	TB		
88.0	1851	06/07	MRC?	Presume Morocco. // 87.6 in mono				Weak	E	JF		
88.0	1109	27/07	NOR	NRK P3, Bagn (Op)		F203	_NRK_P3_	good	E	MH		
88.0	1135	02/07	POR	RDP-2, Minheu				Fair	E	JF		
88.0	1655	06/07	SVN	Slo 1, Krim		63A1	_SLO_1_	Good	E	MH		
				RT 'ODDAJNIK KRIM								
88.0	1152	29/07	SVN	Slo 1, Krim		63A1	_SLO_1_	good	E	MH		
88.0		28/07	TUR	Cinar FM, Istanbul (V.Tent) Mid eastern mx				Good	E	**		
88.1	1009	02/07	E	RNE-2, 3 listed		E212	RNE-CLAS	Good	E	JF		
88.1	1646	07/07	E	RNE R2, R Clasica. Arguis. Music		E212	RNE-CLAS	Fair	E	DS		
88.1	1955	07/07	E	Canal Fiesta R. Unid site. Carnival music		E331	C.Fiesta	Good	E	DS		
88.1	1630	07/07	F	Unid. Rodez. (consider R.Totem, Rodez (12).ed)		F631	_TOTEM_	Fair	E	DS		
88.1	1710	07/07	F	R.Totem, Rodez (12).		F631	_TOTEM_	Good	E	JK		
88.1	1750	06/07	I	Radio 105, Trapani listed			_105_	Fair	E	JK		
88.1	1805	28/07	I	RAI Uno. 6 listed. YI & music		5201	RAI_MF1_	Good	E	DS		
88.2	1130	02/07	E	RNE-2, Paramo		E212		Good	E	JF		
88.2	1744	06/07	HRV	HRT-R. Dubrovink, Peljesac		644F	R-DUBROV	Good	E	JK		
88.2	1615	03/07	I	R DeeJay (SS). YL interviewing OM		5214		Fair	E	MH		
88.2	0804	04/07	ROU	Europa FM, Brasov. OM talk		E299		Fair	E	MH		
88.2		28/07	TUR	Discordant droning mx, Istanbul area				Fpks	E	**		
88.3	1908	02/07	E	un-id pop	E280	*DURBO*_	*DANCE*_	*PARTY*_	EL_____	Good	E	MH
						PROGRAMA	NUMBER_1	MUSICA_				
88.3	1040	29/07	E	SER, Ronda (And)			_SER_		E	MHc		
88.3	1323	02/07	F	NRJ, Bastia. pop, NRJ jingle	AF 100.8 91.6 91.9	F220	_NRJ_	Fair	E	MH		
88.3		28/07	I	Radio 103,		5E77		Good	E	**		
88.4	1737	03/07	LVA	Kurzemes R, Kuldiga. OM talk. no RDS				Fair	E	MH		
88.5	1701	03/07	POL	R Maryja, Bydgoszcz		3232		Good	E	JF		
88.6	1649	03/07	D	NDR-4 Info, Putbus or Holzminden. Probably Putbus		D384		Fair	E	JF		
88.6	1010	02/07	E	RNE-2, Aitana. // 88.1				Good	E	JF		
88.6	1606	02/07	I	R Camaldoli Stereo (NA). OM talk	AF 87.9	5045	(multi)	Fair	E	MH		
88.6	1801	07/07	I	Radio Radicale. Roma. News		5210	RADICALE	Good	E	DS		
88.6	1317	27/07	NOR	NRK P2. Tron. Music		F202	_NRK_P2_	Qsb	E	DS		
88.6	0741	04/07	SVK	Devin, Roznava. classical music		5202	_DEVIN_	Good	E	MH		
				AF 88.6 88.2 96.9 101.3 102.0								
88.6		28/07	TUR	TGRT-1, Istanbul (V V Tent) strident eastern mx				Good	E	**		
88.7	2003	07/07	?	unid. Oasis record. no RDS				Fair	E	MH		
88.7	1657	07/07	E	Radio RM, Coilserola, Catalunya		E289	RADIO_RM	Excell	E	JK		
88.7	1915	28/07	E	Cadena COPE. Unid site. ID, OM/YL		E0CA		Fair	E	DS		
88.7	1800	06/07	I	Radio 24, Salerno listed			RADIO_24	Good	E	JK		
88.7	1855	07/07	I	Radio RM Molto Mes Musica. Mataro. Traditional music		E289	_MUSICA_	Briefly	E	DS		
88.7	1924	02/07	MRC	(pres) // 87.6 Arabic music No RDS				Fair	E	MH		
88.8	1948	02/07	E	un-id talk		E2CE	CA	Fair	E	MH		
88.8	1950	02/07	E	Cadena Cien. Jaen. Spanish pop		E2CE	CAD-CIEN	Fair	E	DS		
88.8	2001	07/07	E	Radiole, UNID site. Menioning Canaries	E278	RADIOLE_	OLE-88.8		E	JF		
88.8		28/07	I	R Italia NTWK				Good	E	**		
88.8	1128	02/07	POR	R Comercial, UNID site		8203	COMRCIAL	Good	E	JF		
88.8		28/07	TUR	un-id OM tik, Istanbul Area					E	**		
88.9	1649	02/07	E	Radio Ole, Sanlucar de Barramed. SP music	E278	RADIOLE_	OLE-88.8	Good	E	MH		
				AF 88.8 96.5								
88.9	2016	06/07	E	Radio Ole, Sanlucar de Barramed. SP song	E278	RADIOLE_	OLE-88.8	Good	E	MH		
88.9	2042	07/07	E	Radio Ole, Sanlucar de Barramed. Pop	E278	RADIOLE_	OLE-88.8	Good	E	MH		
88.9	1056	29/07	E	Radio Ole, Sanlucar (And)		E278			E	MHc		
88.9	1024	30/07	E	Radio Ole. On Car Radio.		E238	RADIOLE_	Strong	E	WK		
88.9	0744	04/07	HRV	HRT HR1, Srdj. Talk		6341	HRT-HR_1	Good	E	MH		
88.9		28/07	I	RAI-MF1, capo d'orlando,Sicily 120watts!!				Good	E	**		
88.9	1645	03/07	POL	R Maryja, Gdansk likely, or Sobotka		3232	R.MARYJA	Good	E	JF		
88.9	2019	07/07	POR	RDP 1, Monchique. // 87.7		8201		Fair	E	MH		
89.0	2016	06/07	?	unid. // 98.9 no RDS				Poor	E	MH		
89.0		28/07	?	Weird mx, sounded like someone losing their temper with a cricket bat in a large echoey hall! Later greek mx on the channel				Fair	E	**		
89.0	1922	02/07	E	un-id		E230		Fair	E	MH		
89.0	2033	06/07	E	R Espana Valencia (VAL). "R Espana", adverts		E2EF		Fair	E	MH		
89.1	1940	03/07	E	RNE 1, Jumilla, Murcia		E211		Good	E	TB		
89.1	1629	07/07	E	R Saluta. Unid site. ID & Pop (Sabadel Listed.ed)		E545	R.SALUT_	Good	E	DS		

89.1	1644	07/07	E	OCR-R, Salut Onda Cero, Sabadell, Barcelona	E545	R_SALUT_	Excell	E	JK	
89.1	2001	07/07	E	Cadena Cien, Badajoz. 4kW	E2CE	BADAJOZ_	Good	E	JF	
89.1	2045	07/07	E	Onda Cero R. Algeciras. Phone conversation	E2EE	ONDACERO	Poor	E	DS	
89.1	1028	29/07	E	Canal Fiesta, La Camuna (And)	E331	C.Fiesta		E	MHc	
89.1	2002	30/07	E	Canal Fiesta R. (pres) Unid site. Instrumental music	E331		Fair	E	DS	
89.1	1800	07/07	I	Radio Onda Libera. Roma. Id & news			Fair	E	DS	
89.2	0523	04/07	AUT	OE-3, Graz	A203		V Good	E	JF	
89.2	1958	07/07	E	Europa FM. Unid site. YI with ID			Good	E	DS	
89.3	2032	07/07	?	unid. YL pop song	0000	GR_A_	Fair	E	MH	
89.3	1936	02/07	E	SER talk	E239	__SER__	Fair	E	MH	
89.3	2102	07/07	E	Radio Ole, 2 sites (AND). YL EG pop record.	E226	RADIOLE_	Fair	E	MH	
89.3	1317	11/07	E	RNE 1, Benicassim (VAL). YL talk	E211	RNE_1__	good	E	MH	
				AF: 89.3 : 95.0 104.3 89.8 97.4 90.1 90.1						
89.3	1000	29/07	E	RNE 1, Benicassim (Val)		RNE_1__		E	MHc	
89.3	2005	30/07	E	Radio Ole. Unid site. ID			Briefly	E	DS	
89.3	1554	02/07	I	un-id pop	5389	12	Fair	E	MH	
89.3	1728	28/07	I	R Flash Blu. Unid site. ID & Italian vocals	5389	30311238	Qsb	E	DS	
89.3	2018	06/07	POR	RDP 2, Lousa. classical music	8202	ANTENA_2	Good	E	MH	
89.3	2004	07/07	POR	RDP 2, Lousa. classical music	8202	ANTENA_2	Good	E	MH	
				RT 'ANTENA 2 - RADIO CLASSICA. A Grande Musica e o resto'						
89.4	1707	02/07	E	un-id 2 OMs talking, music	E235		Fair	E	MH	
89.4	1909	02/07	E	COPE Cartagena. OM and music	E2CA	__COPE__	CARTAGNA	Good	E	MH
89.4	2020	02/07	E	Cadena Los 40 principales. Cadiz. Pop	E235	CUARENTA	Good	E	DS	
89.4	2021	06/07	E	Cad 40, Cadiz (pres). Pop	E235		Fair	E	MH	
89.4	2053	07/07	E	Cad 40, Cadiz. OM, pop	E235	CUARENTA	Good	E	MH	
89.4	1317	11/07	E	COPE Cartagena (MUR). YL talk	E2CA		fair	E	MH	
89.4	1636	07/07	F	France Inter. Senergues. 2 OM	F201	__INTER_	Fair	E	DS	
89.4	1320	27/07	S	Sveriges P1. 2 listed. Talks	E201		Qrm	E	DS	
89.5	1133	02/07	?	"Romantic FM" ? Presume Spain or Portugal (or France?) (consider R.Romantic, Matosinhos, Porto, POR.ed)			Fair	E	JF	
89.5	1205	29/07	HNG	R Juventus, Budapest. music	B4A1	JUVENTUS	good	E	MHc	
89.5	1724	28/07	I	Rai Uno. Genova. OM			Weak	E	DS	
89.5		28/07	TUR	TRT 3 or 4, Ominous AA type mx //90.0				E	**	
89.6	1628	07/07	E	Cadena Cope. Alcobendas (Murcia). ID & OM	E2CA	__COPE__	Good	E	DS	
89.6	0850	29/07	E	Cadena Los 40 Principales. Albacete. ID & YL			Fair	E	DS	
89.6	1325	02/07	F	RFM, Ajaccio. Pop	F212	__R_F_M_	Fair	E	MH	
89.6	1622	03/07	F	RFM, Ajaccio. pop (FR)	F212	__R_F_M_	Fair	E	MH	
89.6	1133	07/07	F	RFM, Ajaccio	F212	__R_F_M_	Fair	E	JF	
89.6	1902	07/07	F	UNID (R.Dialogue, Marseille (13) ed)	F449		Fair	E	JF	
89.6	1943	07/07	F	R.Dialogue, Marseille.	F449	DIALOGUE	Good	E	JK	
89.6	1655	28/07	F	RFM. Vannes. French vocals	F212	__R_F_M_		E	DS	
89.6	1755	06/07	HRV	Radio Centar Studio Porec, Porec-Debeli	6244	__POREC_	Good	E	JK	
89.6	1124	02/07	POR	Antena Livre de Gouveia, Gouveia			Fair	E	JF	
89.6	1430	02/07	POR	RFM. San Miguel (autologged)		__R_F_M_		E	DS	
89.6	2019	06/07	POR	RFM, Faro (pres). EG rock music no RDS			Fair	E	MH	
89.6	1239	02/07	TUN	Rd Jeune, Kasserine. OM/YL talk	7201	Rd-Jeune	Good	E	MH	
89.7	1931	06/07	E	Cadena Cien, Murcia	E2CE		Fair	E	JF	
89.7	1953	07/07	E	Onda Cero R. Cordoba. Phone in	E2EE	ONDACERO	V Good	E	DS	
89.7	0817	29/07	E	Cadena 100. Cordoba. OM	E2CE	CAD-CIEN	Qsb	E	DS	
89.7	1900	30/07	E	Catalunya Musica. Solsona. Music	E232	CATMUSIC	Qsb	E	DS	
89.7	1335	11/07	E?	Unid. Pop px	E046		Poor	E	DS	
89.7	1540	02/07	GRC	un-id Greek music			Fair	E	MH	
89.7	1735	06/07	HRV	HRT 1. 3 listed. Classical music	6341	HRT-HR_1	Good	E	DS	
89.7	1744	06/07	HRV	HRT-3. Classical Music.	6343	HRT-HR_3	Strong	E	WK	
89.7	1746	06/07	HRV	HRT-1. Talking.	6341	HRT-HR_1	Strong	E	WK	
89.7	1659	28/07	I	Unknown	50A1		Good	E	WK	
89.7	1723	28/07	I	Rai Uno. Roma 100kw, but 5 listed. Ads	5201	RAI_MF1_	Fair	E	DS	
89.8	1639	02/07	E	Cadena Cien. Barcelona. Ads			Qsb	E	DS	
89.8	1936	02/07	E	RNE Radio 2, R Clasica. La Mancha. OM	E212	RNE-CLAS	V Good	E	DS	
89.8	2010	02/07	E	Cadena Cope. Antequera. 2 Om	E2CA	__COPE__	V Good	E	DS	
89.8	0830	29/07	E	Onda Rambla. Barcelona. 2 Om	E30A	__ONDA__	Good	E	DS	
89.8	1803	28/07	I	New R Network. Unid site. Pop	52FF	*N._R._N		E	DS	
89.9	1545	07/07	E	Onda Rambla. Girona. 2 YL"s	E30A	__RAMBLA_	Good	E	DS	
89.9	1758	07/07	F	RFM. St Raphael. Many ID's & info	F212		Fair	E	DS	
89.9	1320	27/07	NOR	NRK P2. Several LP listed. Rock music			Fair	E	DS	
89.9	2020	06/07	POR	RFM, Arrabida (pres). // 89.6 no RDS			Fair	E	MH	
89.9	2005	07/07	POR	unid. OM adverts, EG rock			Fair	E	MH	
90.0	1650	02/07	E	RNE 5 (AND). Talk AF 90.0	E515	RNE_5__	Good	E	MH	
90.0	1937	02/07	E	RNE Radio 2, R Clasica. 3 listed. OM	E212	RNE-CLAS	V Good	E	DS	

90.0	2030	06/07	E	RNE 5. Valencina de la Concepcion. ID & Info				Qsb	E	DS
90.0	2000	07/07	E	RNE-5, Valencina	E515	RNE_5___	Good		E	JF
90.0	2003	07/07	E	RNE 5.	E515	RNE_5___	V Strong		E	WK
90.0	2022	07/07	E	unid. folk songs AF 90.0	E515		Fair		E	MH
90.0	2055	07/07	E	RNE 5, Valencina. OM talk	E515	RNE_5___	Good		E	MH
90.0	1318	11/07	E	M80 Radio Alicante (VAL) . OM intv in EG AF: 89.5	E21E	M80RADIO	good		E	MH
90.0	1029	29/07	E	RNE 2 R Clasica, Sierra Almaden (And)		RNE-CLAS			E	MHc
90.0	1924	30/07	E	Unknown	E458		Strong		E	WK
90.0	0622	04/07	I	Radio Maria.	51CC	R.MARIA_	Strong		E	WK
90.0	1651	07/07	I	Radio Maria. 4 listed. Napoli likely. YL & Class' mx. in mono	51CC	R.MARIA_	Good		E	DS
90.1		28/07		Greek or Turkish, No TUR listed here in FM list 2000					E	**
90.1	2020	07/07	?	unid. YL pop no RDS			Good		E	MH
90.1	1430+	02/07	E	RNE 1. Alfabia (Autologged)		RNE_1___			E	DS
90.1	1905	07/07	E	Cadena 24 Horas. Unid site. In mono. Strange sounding audio			Qsb		E	DS
90.1	1919	07/07	E	RNE 1.	E211	RNE_1___	Strong		E	WK
90.1	1950	30/07	E	R Surco De Mancha. Villarobledo. Pop PX	F27A	LAMANCHA	Good		E	DS
90.1	1636	07/07	F	France Inter. Mende. Movie excerpt	F201	__INTER_	V Good		E	DS
90.1	0620	04/07	I	RDS also had **DELLE*	5215	One-0-One	Network	Strong	E	WK
90.1	1807	07/07	I	Radio 101. Roma. Pop px	5215	ONEoONE_	Qsb		E	DS
90.1	1641	28/07	I	Radio Maria	51CC	R.MARIA	Good		E	WK
90.1	1722	28/07	I	Unid. Pop	5391		Qsb		E	DS
90.1	1727	28/07	I	CENTOUNO	5215	CENTOUNO	V Strong		E	WK
90.1	1705	30/07	I	RAI Uno. Mt Argentario. News	5201	RAI_MF1_	V Good		E	DS
90.1	1641	02/07	POR	R Alvor Portimao (listed). YL with info			Fair		E	DS
90.1	0727	04/07	SVK	SR S1, Banska Bystrica. song, pop	5201	__SRo_1__	Good		E	MH
90.2	1550	02/07	E	Cadena Dial. La Linea. Pop	E274	CAD-DIAL	V Good		E	DS
90.2	1659	02/07	E	Cad Dial	E274	CAD-DIAL	Fair		E	MH
90.2	2024	06/07	E	Cad Dial, La Linea. Pop	E274	CAD-DIAL	Fair		E	MH
90.2	1517	07/07	E	Onda Cero R. Aviles.	E2EE	ONDACERO	Fair		E	DS
90.2	2020	07/07	E	Cad Dial.	E274	CAD-DIAL	Strong		E	WK
90.2	1148	28/07	E	Cad Dial, La Linea de la Concepcion (And)	E274	CAD-DIAL			E	MHc
90.2	1920	07/07	F	Unid. French vocals (RF-Bleu Gard Lozere, Nimes. ed)	F705	BLEUGARD	Good		E	DS
90.2	0645	04/07	I	RAI-1.	5201	RAI_MF1	Strong		E	WK
90.2	1925	02/07	POR	R Renescenca 2. Montejunto. Chat	8221	__RR__	V Good		E	DS
90.3	1535	02/07	E	Onda Cero R. Jerez.	E2EE	ONDACERO	Fair		E	DS
90.3	1937	02/07	E	RNE Radio 2, R Clasica. 2 listed. OM	E212	RNE-CLAS	V Good		E	DS
90.3	1932	07/07	E	Onda Rambla. Jerez? OM			Fair		E	DS
90.3	2000	07/07	E	Onda Cero R, likely Jerez	E2EE	ONDACERO	Good		E	JF
90.3	1955	30/07	E	RNE 5. Torrespasa. Old style instrumental music	E215	RNE_5___	Fair		E	DS
90.3	1650	28/07	F	R Montmatre (Pres). 5 Listed.	F225				E	DS
90.3	1336	02/07	I	RAI GRPR (PA). YL talk AF 89.0 90.8 95.5 98.3	5206	RAI_GRPR	Good		E	MH
90.3	1611	03/07	I	RAI GRPR. OM talk	5206		Fair		E	MH
90.3	1500	28/07	TUN	ERTT National. Ain Draham	7201	NATIONAL	Fair		E	DS
90.4		28/07	?	Weird eastern mx (fading)					E	**
90.5	1910	02/07	E	Andalucia Info. EG rock	E333	And.Info	Good		E	MH
90.5	2006	07/07	POR	AF 90.7 90.8 92.8 94.9 97.3 98.9 99.3 Centro FM, Tomar. Renascenca Noticias, ID			Fair		E	MH
90.6	1700	02/07	E	"Fiesta Radio". YL ID	E331		Fair		E	MH
90.7	1016	02/07	E	RNE-4, Montecaro	E314	RNE-4___	Good		E	JF
90.7	1910	02/07	E	Cadena Dial. Mazzaron. OM	E274	CAD-DIAL	Good		E	DS
90.7	1629	03/07	I	RAI 1, Monte Serpeddi. music, adverts	5201		Fair		E	MH
90.7	1817	07/07	I	RAI MF1,	5201		Excell		E	TB
90.7	1858	07/07	I	RAI Uno. Mt Serpeddi. Italian vocals	5201	RAI_MF1_	Good		E	DS
90.7	1722	03/07	POL	R Eska, Gdansk. Vocal ID			Weak		E	JF
90.8	1845	03/07	?	UNID Arabic talking // 91.8 same time as Lithuania & Belarus in			Weak		E	JF
90.8	2025	06/07	E	Andalucia Info, Valencina. Talk	E333	And.Info	Good		E	MH
90.8	1958	07/07	E	UNID	E077		Fair		E	JF
90.8	1959	07/07	E	UNID (Andalucia Info, Valencina.ed)	E333		Fair		E	JF
90.8	2004	07/07	E	Canal Sur. ID Heard also.	E333	And.Info	Strong		E	WK
90.8	1058	29/07	E	Onda Cero, Malaga (And)		ONDACERO			E	MHc
90.8	1200	29/07	E	Onda Cero, Malaga (And)		ONDACERO			E	MHc
90.8	1129	02/07	POR	R Comercial, Lousa	8203	COMRCIAL	Good		E	JF
90.8	2007	07/07	POR	unid. another Oasis record			Weak		E	MH
90.8		28/07	TUR	Super fm, Istanbul (tent)					E	**
90.9	1825	28/07	CZE	Czech R1. Usti Nad Labem. Pop PX	232F		Briefly		E	DS
90.9	1542	07/07	E	Cadena Cope. Unid site. ID & DJ	E2CA	__COPE__	Fair		E	DS
90.9	1915	07/07	E	Catalunya Info. Unid site. OM	E234	CATINFO	V Good		E	DS
90.9		28/07	I	Radio 24,	5245		Good		E	**
90.9	1100	29/07	POR	TSF. Unid site. Ads, ID, News			Fair		E	DS

91.0	1607	07/07	?	Unid. YL in Arabic				Briefly	E	DS
91.0	1940	02/07	E	Cadena Los 40 Principales. Alicante (likely) OM & Pop	E235	CUARENTA		Good	E	DS
91.0	1608	07/07	E	Onda Rambla. Collserola (Barcelona). Om	E30A	_RAMBLA_		Fair	E	DS
91.0	0820	29/07	E	Com Radio? Unid site. OM (Com R. Barcelona here.ed)	E2CO	COMRADIO		V Good	E	DS
91.0	1950	07/07	POR	R Litoral Oeste. Obidos. English rock music	8091	_R_L_0_		V Good	E	DS
91.0		28/07	TUR	Radyo Fener, Istanbul,	5349	TEL_0212	509_8888	Good	E	**
91.1	1017	02/07	F	Skyrock, Pau (64)	F214	SKYROCK_		Fair	E	JF
91.1	1337	02/07	I	RAI 1, M Cammarata (AG). OM talk	5201	RAI_MF1_		Good	E	MH
				AF 91.1 94.9 94.7 88.1 87.7 89.2 89.5						
91.1	1611	03/07	I	RAI 1. OM talk	5201	RAI_MF1_		Fair	E	MH
91.1		28/07	I	RAI-MF1, MT Cammarata, Sicily				Good	E	**
91.1	2050	28/07	NOR	NRK P3, Jetta (Op)		_NRK_P3_			E	MHc
91.1	2000	06/07	POR	RDP 2, Mendro. classical music	8202	ANTENA_2		Good	E	MH
91.2	0524	04/07	AUT	OE-1, Graz	A201	_OE_1_		V Good	E	JF
91.2	1702	02/07	E	RNE 1. OM news	E211	RNE_1_		Good	E	MH
91.2	2012	07/07	E	RNE R1. Valencina Cencepcion. Phone report	E211	RNE_1_		Fair	E	DS
91.2	1030	29/07	E	RNE 1, Almansa (Cam)		RNE_1_			E	MHc
91.2		28/07	I	RAI-MF2, Tur also in at the time					E	**
91.2	1810	30/07	I	RAI 2 (RM)	5202	RAI_MF2_		good	E	MHc
91.2	1925	02/07	POR	R Clube de Sintra. Sintra. Pop	803A	RCSINTRA		Fair	E	DS
91.3	1338	11/07	E	Unid. OM (consider R.Marina Alta, Xabia.ed)	F001	RMA-91,3		Good	E	DS
91.3	0840	29/07	E	Radao De La Marina. Unid site. OM	F001			Fair	E	DS
91.3	1757	07/07	F	France Inter. Marseille. 2OM	F201	_INTER_		Good	E	DS
91.3	1757	07/07	I	RAI Uno. Punto Bad Urbara (Oristano) likely. Also 6 lp listed.		RAI_MF1_		Fair	E	DS
				Music	5201					
91.3		28/07	I	RAI-MF1, Punta badde Urbana,	5201			Good	E	**
91.3		28/07	I	RadioMed,	5301			Good	E	**
91.3	1137	02/07	POR	RDP-1, UNID site	8201	ANTENA_1		Good	E	JF
91.4		28/07	?	Eastern Singing, the language sounded like a cross between Russian and Arabic, Eastern shores of the black sea?				40dB	E	**
91.4	1134	02/07	E	Cadena Dial, Haro or Villagarcia de Arosa	E274			Good	E	JF
91.4	1622	02/07	E	Radio Ole. Unid site. Ballads (Cion,AND.ed)	E226	RADIOLE_		Fair	E	DS
91.4	1624	02/07	E	Europa FM. Unid site. Music (Cordoba, AND.ed)	389E	EUROPAFM		Good	E	DS
91.4	1930	02/07	E	R Surco. Tomelloso. OM & Music	227A	CASTILLA		Good	E	DS
91.4	2001	07/07	E	Cadena SER. Plasencia. News	E239	_SER_		Poor	E	DS
91.4	1157	28/07	E	R Surco, Tomelloso (Cam)	227A	TU_RADIO	_SURCO_	CASTILLA	E	MHc
						LAMANCHA	_926_	_505960_		
91.4		28/07	TUR	TRT-4, Istanbul (tent)					E	**
91.5	1312	02/07	ALG	un-id Arabic pres ALG. Arabic music no RDS				Fair	E	MH
91.5	1010	29/07	E	Flaix FM		FLAIX_FM			E	MHc
91.5		28/07	GRC	?? (Radiografima in Patra GRC has 061 area code – MH)	10F3	_PATRA_	AIGIO_	Good	E	**
						<>_<>_<>	Ca11_061			
						For_your				
91.5	1620	02/07	I	un-id. mx bit like IT Worzles	5038			Fair	E	MH
				AF 103.0						
91.5	1620	03/07	I	R Deejay (CA). "me gusta" record, jingle	5214	_DEEJAY_		Fair	E	MH
91.5	1710	03/07	LVA	LR 2, Riga. rock/pop 0000		LR-2_		Good	E	MH
				AF 94.5 106.7 103.0 101.3 104.0 104.5 105.0						
				RT 'LATVIJAS RADIO-2						
91.5	1740	03/07	LVA	LR 2, Riga. OM talk over music	0000	LR-2_		Good	E	MH
91.5		28/07	TUR?	Rlg mx					E	**
91.6	1414	11/07	E	Cadena SER. Teruel	E239	_SER_		Fair	E	DS
91.6	1536	02/07	I	Radio Monte Carlo (NA). rock, DJ with ID				Fair	E	MH
91.6	1631	02/07	I	R Ciccio Riccio (BR). OM DJ, pop	5A8D	*RICCIO*		Good	E	MH
91.6	1656	07/07	I	Radio Monte Carlo. Napoli. Pop px	5213	_RMC_FM_		Fair	E	DS
91.6	1920	02/07	POR	R Voxx. Lisbon. Instrumental music	804C	_VOXX_		V Good	E	DS
91.7	1339	11/07	E	Unid. Oldies	E2FF			Good	E	DS
91.7	2004	07/07	MRC?	Arabic in mono				Fair	E	JF
91.7	2052	28/07	NOR	NRK P1, Bagn (Op)		_NRK_P1_			E	MHc
91.7	2129	28/07	S	SR P2		-SR_P2_-			E	MHc
91.75	1841	03/07	KAZ	Russian, tv sound				Gpks	E	TB
91.8	1845	03/07	?	UNID Arabic talking // 90.8 same time as Lithuania & Belarus in				Fair	E	JF
91.8	1634	02/07	E	R La Linea. La Linea de Concepcion. ID & pop	8001	91.4??_		Fair	E	DS
91.8	2051	06/07	E	COPE network. Mojacar (AND) or CNR? advert for something in "La Gran Canaria". "Cadena COPE" by OM				Fair	E	MH
91.8	2014	07/07	E	Cadena SER. Villanueva. 2 YL's	E239	_SER_		Fair	E	DS
91.8	2024	07/07	E	SER, Velez. YL talk	E239	_SER_		Fair	E	MH
91.8		28/07	GRC	Unid on car's whip!!				Good	E	**
91.8	1644	02/07	HRV	R Brac, Brac. OM talk	A003	**BRAC**		Fair	E	MH
91.8	1515	07/07	I	Radio Serena. Miranda (Terni) likely. Relig sce.				Poor	E	DS

91.8	1620	02/07	MRC	RTM. Cap Spartel. Arabic music				Poor	E	DS
91.8	2054	06/07	POR	Unid				Weak	E	MH
91.8	1240	02/07	TUN	un-id. AR music/song	7202			Good	E	MH
91.8	0811	04/07	TUN	RTCI. Arabic music	7202	RTCI_____		Good	E	MH
91.8		28/07	TUR?	??					E	**
91.9	1825	06/07	E	Cadena Cien. Huelva. Talks	E2CE			QRM	E	DS
92.0	1340	11/07	E	LP Radio. Valencia	E08A	LP_RADIO	V	Good	E	DS
92.0	1958	30/07	E	Onda Cero R. Grenada. Om	E2EE	R.GRENADA	Fair		E	DS
92.0		28/07	I	R Radicale, PA, Sicily				Good	E	**
92.0	1741	03/07	LVA	LVR Klasika, Kuldiga. class music //87.6				Fair	E	MH
92.0	1944	06/07	POR	R Comercial, Mendro. jingle ID, adverts				Fair	E	MH
92.0	2011	07/07	POR	R Comercial, Mendro. pop, OM, promo's RT 'COMERCIAL - SOM DIACIONAL DE EMISSORES' RT 'COMERCIAL - REDE NGITAL '	8203	COMRCIAL	Good		E	MH
92.1	1737	02/07	CZE	CR 1. Pop	232F	__CR_1__	Fair		E	MH
92.1	1430	02/07	E	Unid (Autologged)		MANACOR_			E	DS
92.1	1618	02/07	E	RNE 5. Carrascoy (Murcia). Info	E215	RNE_5__	Good		E	DS
92.1	2013	02/07	E	RNE 5. OM talk	E215	RNE_5__	Good		E	MH
				AF 92.1 103.5 101.2 105.8 RT 'Radio Nacional de Espana Todo Noticias '						
92.1	1945	06/07	E	RNE 5, Carrascoy (pres). "R Cinco Todo Noticias"	E215	RNE_5__	Good		E	MH
92.1	0926	29/07	E	RNE 5. On Car Radio.	E215	RNE_5__	V Strong		E	WK
92.1	1626	07/07	F	France Inter. Perpignan. Om/YL with talks	F201	__INTER_	V Good		E	DS
92.1	0647	04/07	HRV	HRT 1.	6341	HRT-HR_1	Good		E	WK
92.1	1616	02/07	I	Rete Uno Network (TA) music	50DE		Fair		E	MH
92.1	0646	04/07	I	RAI-2.	5202	RAI_MF2	Strong		E	WK
92.1	1455	07/07	I	Rai Due. Mt Argentario. ID & DJ	5202	RAI_MF2_	Fair		E	DS
92.1	1805	07/07	I	Radio 24. Unid site. Talks	5245	RADIO24_	Qsb		E	DS
92.1	1710	28/07	I	RAI 1. Mixing with another station at times.	5201	RAI_MF1	Strong		E	WK
92.1	2056	07/07	MRC	RTM Rabat. Arabic OM. no RDS			Good		E	MH
92.2	1650	02/07	E	R Espana Malaga. Unid site. ID's & pop			Good		E	DS
92.2	1415	11/07	E	R Azul. Pedroneras.	E001	Primeros	Good		E	DS
92.2	1146	28/07	E	Canal Sur, Algeciras (And)		CanalSur			E	MHc
92.2	0924	29/07	E	RNE 1. Larar De La Cruz (likely) Om & YL	E211	RNE_1__	Fair		E	DS
92.2	1033	29/07	E	SER R Azul, Las Pedroneras (Cam)	__SER__	_R_Azul_	92.2_f.m		E	MHc
92.2	1055	29/07	E	Canal Sur. Unid site. Spanish vocals	E332	CanalSur	Qsb		E	DS
92.2	1058	29/07	E	Canal Sur, Algeciras (And)		CanalSur			E	MHc
92.2	2007	30/07	E	RNE 3. Valladolid. OM	E213	RNE_3__	Fair		E	DS
92.3	1606	07/07	E	R Catalunya. Unid site. Jingle & ads			Fair		E	DS
92.3	1935	07/07	E	Unid. Vic. Vocals. Garbled PS name!	E301	C/TAELVA	Fair		E	DS
92.3	1500	28/07	F	France Inter. Oloron St marie	F201	__INTER_	Fair		E	DS
92.3	1838	30/07	F	France Musique. 4 LP possible	F203		Qsb		E	DS
92.3	1707	30/07	I	R Deejay. Unid site. Music	5214		Good		E	DS
92.4	1056	02/07	E	UNID	E238		Fair		E	JF
92.4	2008	30/07	E	Cadena 100. Jerez. Om & YL	E2CE	CAD-CIEN	Good		E	DS
92.4	1326	02/07	F	France Inter, Ajaccio. OMs talk	F201	__INTER_	Good		E	MH
				AF 92.4 89.4 89.8 91.8 92.0 96.5 96.6 90.2 91.3 92.3 92.6						
92.4	1752	07/07	I	RAI Due. 8 low power listed. OM	5202	RAI_MF2_	Fair		E	DS
92.4	1801	28/07	I	The Channel? Unid site. Pop - EG ID "102.5 THE CHANNEL" (consider R-Emme-Club-Hit-Channel or Hit Channel both listed as Rome sites.ed)			Good		E	DS
92.4	1719	30/07	I	Sintony. (Cagliari listed.ed)	54A4	SINTONY_	Good		E	WK
92.5	1945	02/07	E	RNE 1. Crevillente. (ILG lists as Santa Pola). Talks	E211	RNE_1__	Fair		E	DS
92.5	0825	29/07	E	Catalunya R. Calonge. OM & Classical singing	E233	CCULTURE	V Good		E	DS
92.5	1020	29/07	E	RNE 1, Santa Pola (Val)		RNE_1__			E	MHc
92.5	1626	07/07	I	R Narbonne Meditteran. Narbonne. Pop px	F642	NARBONNE	Qrm		E	DS
92.5	1137	02/07	POR	RDP-2, Porto	8202		V Good		E	JF
92.6	2008	07/07	E	RNE Clasica, Pt Umbria. OM classical song.	E212	RNE-CLAS	Good		E	MH
				AF 92.6 93.7 94.5						
92.6	1327	02/07	F	France Inter, Calvi. OMs talk	F201	__INTER_	Good		E	MH
				AF 96.8 88.6 89.8 91.8 92.3 92.4 92.6 93.9 94.9 95.9 96.5 97.1 97.5 98.2						
92.6	1855	07/07	F	Fun Radio. Frejus. Pop px	F217	__F_U_N_	Qrm		E	DS
92.7	1241	02/07	?	un-id. AR song not // 91.8 no RDS			Good		E	MH
92.7	1146	28/07	E		E2DD				E	MHc
92.7	1501	02/07	I	R Norba. OM News	5353		Fair		E	MH
92.8	1702	02/07	E	Andalucia Info. News	E333	And.Info	Good		E	MH
				AF 90.5 90.7 90.8 97.3 98.9 99.3 104.9 102.4						
92.8	2019	02/07	E	SER Granada. OM talk	0000	__SER__	GRANADA_	Fair	E	MH
92.8	2027	06/07	E	Andalucia Info, San Cristobal. Talk	E333	And.Info	Fair		E	MH
92.8	1145	28/07	E	Andalucia Info, San Cristobal (And)	E333				E	MHc

92.8	1020	29/07	E	Andalucia Info, San Cristobal (And)	E333	And. Info		E	MHc	
92.8		28/07	TUR	Up-tempo AA mx, Istanbul Area (voice fm??)			G pks	E	**	
92.9		28/07	D	N-Joy R, Steinkimmen	D385		Good	E	**	
92.9	1913	07/07	E	Cadena 24 Horas, Tarragona. Mono. Strange audio. News	E2DD	_24_HORAS	Qsb	E	DS	
92.9	1640	07/07	F	France Musique. Senergues. Classical music	F203	MUSIQUES	V Good	E	DS	
92.9	1325	27/07	S	Sveriges P1. Lycksele. Rock music & YL	E201	-SR_P1-	Good	E	DS	
93.0		28/07		TUR or grc?, folk mx				E	**	
93.0	1625	07/07	E	RNE R2. R Clasica. Collserola (Barcelona). OM	E212	RNE-CLAS	Good	E	DS	
93.0	1852	07/07	I	RETE 105. Cagliari.	5211		Good	E	DS	
93.1	1550	02/07	E	Cadena Dial. Unid site. Pop	E274	CAD-DIAL	V Good	E	DS	
93.1	2014	02/07	E	RNE Clasica. classical mx AF 93.1 98.2 93.4 100.1 88.6	E212	RNE-CLAS	Good	E	MH	
93.1	1825	06/07	E	RNE 2, R Clasica. Valladolid. Opera	E213	RNE-CLAS	Fair	E	DS	
93.1	1835	06/07	E	Unid. OM	E239		Poor	E	DS	
93.1	1846	06/07	E	RNE-2, Jumilla or San Cristobal	E212	RNE-CLAS	Fair	E	JF	
93.1	1943	06/07	E	RNE Clasica, Jumilla. jazz music AF 93.1 98.2 93.4	E212	RNE-CLAS	Good	E	MH	
93.1	2010	07/07	E	SER, Ayamonte. YL talk AF 93.1 98.1 105.8	E239	__SER__	Good	E	MH	
93.1	1540	07/07	I	Radio Serena. Rome listred, but Bologna ads.	5158	R. SERENA	V Good	E	DS	
93.1		28/07	TUR	un-id OM tk				E	**	
93.2	1625	07/07	E	Cadena Dial. Barcelona. Vocals	E274	CAD-DIAL	Fair	E	DS	
93.2	1911	02/07	POR	RFM. Lisbon. OM	8231	__RFM__	Fair	E	DS	
93.25		28/07	BUL	BTC-1, Shumen			Good	E	**	
93.3	1937	02/07	E	Onda Cero. Talk AF 88.7 98.4 89.7 92.0 99.8	E2EE	ONDACERO MOVIL_CN	CAMBIA_D MOVISTAR	Fair	E	MH
93.3	1618	03/07	I	RAI 2 Punta Badde Urbana music (reggae)	5202	RAI_MF2_	Fair	E	MH	
93.3	1816	07/07	I	RAI MF2, rlg? Tik om over my local radio 4!,	5202		70+dB	E	TB	
93.3		28/07	I	RAI-MF2, Punta badde Urbana,	5202		Good	E	**	
93.4	1412	11/07	E	Cadena COPE. Lleida (Lerida) listed. YL	E2CA		Fair	E	DS	
93.5	1835	06/07	E	Cadena Cien. Lorca? (EFMH=Motril & Gijon). Talks	E2CE	CAD-CIEN	Good	E	DS	
93.5	1846	06/07	E	Cadena Cien, Lorca. 2kW	E2CE		Fair	E	JF	
93.5	1540	07/07	E	R Kor. Granolliers Spanish pop	E038	__RKOR__		E	DS	
93.5	1813	07/07	E	Cope, Terragona		__COPE__	Good	E	JK	
93.5	1055	29/07	E	Cadena Dial. Badajoz. Spanish vocals	E274	EXTREMA_	V Good	E	DS	
93.5		28/07	TUR	Eastern mx, Istanbul Area ,				E	**	
93.6	1840	06/07	E	RNE 2, R Clasica. Chinchilla. Opera	E212	RNE-CLAS	Fair	E	DS	
93.6	1019	29/07	E	RNE 2 R Clasica, Chinchilla (Cam)		RNE-CLAS		E	MHc	
93.6	1018	02/07	F	NRJ, Pau	F220		Good	E	JF	
93.6	1851	07/07	F	R Maratima. Martiques. Jingle & pop	F436	MARATIMA	V Good	E	DS	
93.6	1301	02/07	I	R Studio Centrale, Messina. Pop AF 104.3 104.2 93.6 102.2	5D99	__R.S.C.__	Fair	E	MH	
93.6	1814	07/07	I	R Recorde, Jingle id			Poor	E	TB	
93.6	1710	30/07	I	R Studio Central. Messina. YL with ads	5D99	__R.S.C.__	Good	E	DS	
93.7	1805	06/07	E	RNE 5. Santiago de Compotela. YL	E615	RNE_5__	Qrm	E	DS	
93.7	1249	02/07	I	"R Sicilia Jukebox". EG pop OM ID no RDS			Good	E	MH	
93.7	1330	02/07	I	Italia R. OM talk AF 93.7 99.7 107.7	5233	ITALIA_R	Good	E	MH	
93.7	1339	02/07	I	"R Sicilia". "the DJ's at the door" mx, adv's Gran Cafe and Murphy's Bar			Good	E	MH	
93.7	1749	02/07	I	R Dimensione Suono. Pop AF 88.3 92.2 92.4	5264	__RDS__	Good	E	MH	
93.7		28/07	TUR	Radio FG, Istanbul,	3049	?/08/01	PRKORMAN	Strong	E	**
93.8	1449	02/07	?	poss Greek station underneath R Maria			Weak	E	MH	
93.8	1958	02/07	E	Radio Ole. Unid site. Spanish ballads	E238	RADIOLE	Fair	E	DS	
93.8	1155	28/07	E		E2ED			E	MHc	
93.8	1035	29/07	E	Radio Ole, Malaga (And)		RADIOLE_		E	MHc	
93.8	1349	02/07	I	Radio Donna (CT). "Your love is king", ID	5391	NN	Fair	E	MH	
93.8	1449	02/07	I	R Maria. YL talk	51CC	R.MARIA_	Fair	E	MH	
93.8	1850	07/07	TUN	ERTT International. Hmema (Kasserine).	7202	INTER_.	Briefly	E	DS	
93.9	1617	02/07	E	RNE 3. 2 listed. OM & music	E213	RNE_3__	Fair	E	DS	
93.9	1939	02/07	E	Europa FM, Benidorm. Pop RT 'Europa FM Benidorm 93.9 Europa FM Benidorm 93.9'	FFFF	Europa__	Good	E	MH	
93.9	1856	03/07	HNG	Petofi R,	B201	__PETOFI_	V Good	E	JF	
93.9	1352	02/07	I	R Maria. OM talk	51CC	R.MARIA_	Fair	E	MH	
93.9	1455	02/07	I	R Quinta (NA). IT Country style music	552B	TA	Fair	E	MH	
93.9	1954	03/07	LBN	Unid AA mx xfade Petofi radio, HNG			Poor	E	TB	
94.0	1803	03/07	?	Unid in german or Yiddish, xfade LTU			Poor/brf	E	TB	
94.0	1657	02/07	E	RNE Clasica (AND). classical music AF 94.0 98.1 90.4 94.5	E212	RNE-CLAS	Good	E	MH	
94.0	1840	06/07	E	RNE 2, R Clasica. Cadiz (likely). Opera	E212	RNE-CLAS	Fair	E	DS	
94.0	2024	07/07	E	RNE Classical.	E212	RNE-CLAS	Strong	E	WK	
94.0	1021	02/07	F	NRJ, Rochefort (17) F220		__NRJ__	Fair	E	JF	

94.0	1849	07/07	F	Agora FM. Grasse. Pop px	F489	AGORA_FM	V Good	E	DS
94.0	1651	03/07	LTU	R Pukas, Marijampolė	7210	pukas___		E	JF
94.0	1826	03/07	LTU	R Pukas, Kaunas, Alytus 1KW	7210	pukas___	Good	E	TB
94.0	1130	02/07	POR	UNID (consider R. Douro Sul, Albufeira.ed)	80CC	RDS94.00	Fair	E	JF
94.0	1944	07/07	POR	R Ciudad Hoje, Vila Nova de Famalicao	800E	CID.HOJE	Good	E	JF
94.0	1550	26/07	POR?	Unid. Ads (consider R. Douro Sul, Albufeira.ed)	80CC	RDS94.00	Fair	E	DS
94.0	1330	27/07	S	Sveriges P3. Östersund. Swedish pop	E203	-SR_P3-_	V Good	E	DS
94.1	1622	07/07	E	Onda Cero R. Lleida (Lerida). Sport	E2EE	ONDACERO	V Good	E	DS
94.1	1505	28/07	F	France Inter. Ugine - Le Bisane	F201	___INTER_	Fair	E	DS
94.1	1735	07/07	I	Subasio. 5 listed. Pop px	53FD	SUBASIO_	Good	E	DS
94.2	1615	02/07	E	Unid. Talks	E256	ECONOMIA	Fair	E	DS
94.2	2025	07/07	E	Cuarenta. Pop Music.	E235	CUARENTA	Strong	E	WK
94.2	1341	11/07	E	Cadena Los 40 Principales. Valencia. Pop	E235		Fair	E	DS
94.2	1843	07/07	F	France Musiques. Marseilles. Interview	F203	MUSIQUES	V Good	E	DS
94.2	1535	02/07	I	R M Calabria (RS) (by 0966 area code). Adverts	5158	FAX_0966	Fair	E	MH
94.2	2036	06/07	POR	R Renascenca, Marofa. OM/YL talk AF 93.7 94.2 89.6	8221	___RR___	Fair	E	MH
94.3	2031	06/07	E	RNE 3, Santa Pola (VAL). Concert RT 'Radio 3 de Radio Nacional de Espana' AF 94.3 99.7 100.1 91.1 96.0 97.5	E213	RNE_3___	Good	E	MH
94.3	2026	07/07	E	RNE 3.	E213	RNE_3___	Strong	E	WK
94.3	1144	28/07	E	Canal Sur, Cerro Sordo (And)	E332	CanalSur		E	MHc
94.3	1018	29/07	E	RNE 3, Santa Pola (Val) (or 2 others)		RNE_3___		E	MHc
94.3	1715	30/07	I	RAI Tre. Mt Argentario. OM	5203	RAI_MF3_	Good	E	DS
94.3		28/07	TUR	Eastern Techno!!				E	**
94.4	2005	07/07	E	SER, 3 listed	E239	___SER___	Good	E	JF
94.4	1410	11/07	E	Cadena 100. Gandia (Valencia). Ads	E0CE	CAD-CIEN	Good	E	DS
94.5	1810	06/07	E	RNE 3. 3 listed. Bailadora likely. Pop	E213	RNE_3___	Qrm	E	DS
94.5	1100	29/07	E	Cad Dial, Velez Malaga (And)		___DIAL_		E	MHc
94.5	2010	30/07	E	RNE R2, R Clasica. Jerez. Opera	E212	RNE-CLAS	Fair	E	DS
94.5	1535	07/07	I	R Subasio. 21 listed! Pop px, Om & ID			Good	E	DS
94.5	1800	30/07	I	R Subasio (RM)	53FD		good	E	MHc
94.5	2012	07/07	POR	R Despertar, Estremoz. Pop, ID, pop	801D	ESTREMOZ	Good	E	MH
94.6	1818	07/07	E	Onda Musica	E300	94.6_?RD	Good	E	JK
94.6	1850	07/07	F	UNID (consider R.Camargue, Arles.ed)	F481		Good	E	JF
94.6	1949	07/07	F	R.Camargue, Arles	F481	CAMARGUE	Good	E	JK
94.6	1750	02/07	I	RAI 1. sports comm (school?)	5201	RAI_MF1_	Good	E	MH
94.7	1815	07/07	F	RDC, Saint Girons (09)	F634	___R_D_C_	Good	E	JK
94.7	1430	02/07	I	RAI 1. OM, music	5201	RAI_MF1_	Good	E	MH
94.7	1913	07/07	I	R Deejay, Cagliari			QRM	E	TB
94.7	1741	03/07	LVA	Radio SWH. ZZ Top record // 105.2	9458		Good	E	MH
94.8	1704	02/07	E	M80. ID, pop	E21E	M8	Fair	E	MH
94.8	2010	06/07	E	M80 radio. Sevilla. 2 OM	E21E	M80RADIO		E	DS
94.8	1142	28/07	E	M80 Radio, Sevilla (And)	E21E	M80RADIO		E	MHc
94.8	1989	30/07	E	Cadena Dial. Segovia. Time signal	E231	DIAL_____	Fair	E	DS
94.8	1753	07/07	I	R Brescia	53FF	BRESCIA7	Strong	E	WK
94.8	1827	03/07	LTU	Radio Pukas, //94.0 (2 listed on this freq)	CA50		Good	E	TB
94.9	1552	02/07	E	Canal Fiesta R. Unid site. Talks	E333	And.Info	Fair	E	DS
94.9	1603	07/07	E	R Espana. Unid site. News, OM with ID (Barcelona listed.ed)			Good	E	DS
94.9	1045	29/07	E	Andalucia Info, Mijas (And)		And.Info		E	MHc
94.9	1739	07/07	I	Viva FM	53C1	VIVA _FM	Strong	E	WK
94.9		28/07	I	RAI-MF1, Monte Pellegrino, sicily			Good	E	**
95.0	1912	02/07	E	Onda Cero R? Villajoyosa. Pop	E2EE	MOVIL_CN	V Good	E	DS
95.0	1823	06/07	E	Cadena Cope. R Pop de Cadiz. Villamartin. ID & Talks			Poor	E	DS
95.0	1341	11/07	E	Onda Cero R. Villajoyosa. OM	E2EE	ONDACERO	Good	E	DS
95.0	0842	29/07	E	R Liberty. Agrigenta. Vocals	5D4D	*LIBERTY	Briefly	E	DS
95.0	1430+	02/07	F	R Nostalgie. 4 listed (Autologged)		NOSTALGI		E	DS
95.0	1912	07/07	I	Dimouno, Sassari	5264	___TOTALE_	Good	E	TB
95.0	1819	30/07	I	Radio Liberty. ID Heard.	5D4D	*LIBERTY	Strong	E	WK
95.1	1021	02/07	E	SER, UNID site. "R Caniz" ID		___SER___	Fair	E	JF
95.1	1938	07/07	E	Unid. Vocals	E231		Qsb	E	DS
95.1	2006	07/07	E	UNID "RNE-1" ID but M80 PI code	E277		Good	E	JF
95.1	2000	30/07	E	R Intercontinente. Madrid. News	E256		Good	E	DS
95.1	1613	03/07	I	RAS DRS R, Grodental. OM news in German			Weak	E	MH
95.1	1510	07/07	I	R Maria. 2 listed		R.MARIA_		E	DS
95.1	1030	29/07	MRC	RTM. Meknez Zerhoun (Fez). OM in French (mono)			Fair	E	DS
95.2	1940	02/07	E	RNE 1, Pt Umbria. Talk AF 95.2 91.2 103.5	E211	RNE_1___	Good	E	MH
95.2	2025	07/07	E	RNE 1, Pt Umbria. OM talk AF 95.2 91.2 103.5	E211	RNE_1___	Good	E	MH
95.2	1018	29/07	E	RNE 1, Punta Umbria (And)		RNE_1___		E	MHc

95.2	1033	29/07	E	RNE 1. Punta Umbria. 2 OM	E211	RNE_1___	Fair	E	DS	
95.2	1849	07/07	F	UNID. Mention of Bordeaux			Good	E	JF	
95.2	1353	02/07	I	FM Italia, Siracusa (SR). pop AF 92.8 101.2	5DA1	FMITALIA	Good	E	MH	
95.2	1742	07/07	I	Radio Italia. Scrolling RDS.	5495	R_ITALIA	Strong	E	WK	
95.2	1740	07/07	POR	Antenne-1, Marao. om dj verbal id between pops			G pk	E	TB	
95.3	1338	11/07	E	Cadena Los 40 Principales. Onteniente. Pop & ID			Fair	E	DS	
95.3	2053	28/07	NOR	NRK P2, Bagn (Op). classical music		_NRK_P2_		E	MHc	
95.3	1739	06/07	SVN		63A2	VAL 202	Strong	E	WK	
95.4	1621	07/07	E	Catalunya Musica. Soriguera. Interview in English	E231	CATRADIO	Good	E	DS	
95.4	1945	07/07	E	RNE R2, R Clasica. Alcludia.	E212		Briefly	E	DS	
95.4	1341	11/07	E	Cadena Dial. Murcia - La Union. Spanish pop	E274	CAD-DIAL	Good	E	DS	
95.4	2040	28/07	E	R Argento? Bari.	5064	ARGENTO_		E	DS	
95.5	1752	02/07	I	RAI 2. news about Sharon (ISR)	5202	RAI_MF2_	Good	E	MH	
95.5		28/07	I	RAI-MF2, Puglia,	5202		Good	E	**	
95.6	2026	07/07	E	Cad Dial Rocio, Almonte. Pop AF 95.6 105.5 102.4 99.9	E274	CAD-DIAL ROCIO___	Good	E	MH	
95.6	1609	02/07	I	R Marte Stereo (NA). Pop	547B	AR	Fair	E	MH	
95.7	1823	03/07	BLR	BR-1, Hrodna			Good	E	TB	
95.7	1927	07/07	F	Radio MTI, Bourg-St-Andeo, (07)	F840	_M_T_I__	Excell	E	JK	
95.8	1139	02/07	E	RNE-5, Monte Xalo	E715		Fair	E	JF	
95.8	2005	07/07	E	RNE R3. Navacerrada. Jazz	E213	RNE_3___	Good	E	DS	
95.8	1533	07/07	I	R Capital. 3 listed. OM with ID	5219	CAPITAL_	Good	E	DS	
95.8	1815	30/07	I	R Capital (RM)	5219			E	MHc	
95.8	1940	07/07	POR	Fundacao FM. Unid site. Pop px	8056	FUNDACAO	V Good	E	DS	
95.9	1601	02/07	E	Cadena Cien. Sevilla. News	E2EE		Qrm	E	DS	
95.9	1154	28/07	E	Onda Cero, Sevilla (And)	E2EE	ONDACERO		E	MHc	
95.9	2045	28/07	NOR	NRK P1, Jetta (Op)		_NRK_P1_		E	MHc	
95.9		28/07	TUR	Oxygen FM, Istanbul, Ragga mx	2B12	OXI-GEN_		E	**	
96.0	1339	11/07	E	RNE 3, Carrascoy (MUR). song AF: 96.0 : 97.5 94.3 94.9 99.0 100.1 103.7 91.1	E213	RNE_3___	good	E	MH	
96.0		28/07	GRC	Unid OM dj, no RDS			Good	E	**	
96.2	1600	02/07	E	Cadena Dial. Ciudad Real.	E274	CAD-DIAL	Poor	E	DS	
96.2	1913	02/07	E	Cad Dial. Pop AF 96.2 102.5 94.5	E274	__DIAL__	Good	E	MH	
96.2	2008	07/07	E	Canal Sur R. San Cristobal. Jazz	E332	CanalSur	Qsb	E	DS	
96.2	0824	29/07	E	CUARENTA. Received on Car Radio		CUARENTA	Strong	E	WK	
96.2	1035	29/07	E	Onda Cero R. Torrelavega listed, but unlikely			Poor	E	DS	
96.2	1829	03/07	LTU	LR-3 Classica, Kaunas			Good	E	TB	
96.3	1842	07/07	I	RAI Uno. Mt Serpeddi. Classica music	5203	RAI_MF3_	Good	E	DS	
96.5	1752	02/07	I	R Italia Network. ID, pop	5241	_ITALIA_	Good	E	MH	
96.5		28/07	TUN	RD-Jeune, Zaghuoan, Full RDS 1715utc			Excell	E	**	
96.6	1750	07/07	I	RAI Due. Mt Nerone. YL with info	5202	RAI_MF2_	Fair	E	DS	
96.6	1915	02/07	POR	Unid. "Mix Non Stop", Ads.	80BD	__MIX__	V Good	E	DS	
96.6	1612	02/07	TUN	ERTT Int. Ain Draham. YL, Talks in Arabic (mono)			Fair	E	DS	
96.7	1840	06/07	E	Onda Cero R. Cartagena. Talks	E2EE	ONDACERO	Fair	E	DS	
96.7	2026	06/07	E	RNE 3. Jerez. Jazz	E213		Fair	E	DS	
96.7	1600	07/07	E	Catalunya Musica. Montserrat. Classical music	E232	CATMUSIC	Fair	E	DS	
96.7	1139	02/07	POR	RDP-1, Porto	8201	ANTENA_1	Fair	E	JF	
96.7	1920	02/07	POR	RDP 1. Porto	8201	ANTENA-1	Good	E	DS	
96.8	1602	02/07	E	Unid. News	E396		Qrm	E	DS	
97.1	1848	06/07	E	Cadena Cien, Almeria (prob) or La Laguna – Canaries			Good	E	JF	
97.1	1152	28/07	E	Cad 40, Sevilla (And)	E035	CUARENTA		E	MHc	
97.1	1102	29/07	E	Formula 1, Granada (And) (not C.Fiesta)	E331	Formula1		E	MHc	
97.2	1720	03/07	?	"R Aura" ID			Weak	E	JF	
97.2	1140	02/07	E	RNE-2, Baza or Vilar	E212		Fair	E	JF	
97.2	1655	03/07	POL	PR-1, Gdynia	3211	JEDINKA_ _RADIO__	POLSKIE_	Fair	E	JF
97.3	2047	28/07	?	unid perhaps NRK 2, Bokn (Ro)			brief	E	MHc	
97.3	1052	29/07	E	Canal Fiesta R. Unid site. Spanish vocals	E333	And. Info	Qrm	E	DS	
97.3	1808	07/07	I	Rai-3, opera mx//96.3, stayed in for ages	5203		Excellent	E	TB	
97.3	1719	03/07	TUR	Metro FM, Istanbul? This is on 97.2 – wondering if I've noted the frequency down incorrectly. The PI code is correct	3201		Fair	E	JF	
97.4	1152	02/07	E	RNE-3, Son Sant Marti (Balearics) 1kW	E213	RNE_3___	Fair	E	JF	
97.4	2010	07/07	E	Cadena COPE. OCR Marbella? 2 Om	E2CA	__COPE__	Good	E	DS	
97.4	1345	11/07	E	RNE 1. Valencia- Mondubar.	E211		Fair	E	DS	
97.4	1814	07/07	F	France Inter. Perpignan. Vocals	F201	__INTER_	Qsb	E	DS	
97.4	1814	07/07	F?	RTL Radio. Unid site. Pop px	908C?	__RTL__	Briefly	E	DS	
97.4	1532	07/07	I	Radio Maria. 2 listed Toscana prov.			V Poor	E	DS	
97.4	1918	02/07	POR	R Comercial. Lisbon. DJ & pop	8203	COMRCIAL	V Good	E	DS	

97.5	1942	02/07	E	RNE 3. Jazz AF 97.5 96.0 94.9 94.3 RT 'Es es "SIGLO 1" (Tom s Fdo. Flores)	E213	RNE_3___	Good	E	MH	
97.5	1845	06/07	E	RNE 3. Cartagena. Talks	E213	RNE_3___	Fair	E	DS	
97.5	1339	11/07	E	RNE 3, Cartagena (MUR). song AF: 97.5 : 96.0 94.9	E213	RNE_3___	good	E	MH	
97.5	1846	07/07	F	RFM, Beziers (34). Vocal ID			Fair	E	JF	
97.5		28/07	GRC	R Play, Aegina, techno mx	3201		Good	E	**	
97.5	1909	07/07	HNG	Slager Radio, Foreign lang pops,	B206		Good	E	TB	
97.5	1306	02/07	I	R Capital. Pop AF 90.6 102.0 94.8 94.5 96.0 89.5 102.8	5219	_CAPITAL	Good	E	MH	
97.5	1508	07/07	I	Unid. Roma. Pop px (Meridiano 12, Rome.ed)	5E39	MERID_12	Fair	E	DS	
97.5	1815	07/07	I	Unid. Pop px (R.Kalaritana-Blu Sat 2000, CA. listed.ed)	5667	KALARITI	V Good	E	DS	
97.5	1036	29/07	MRC	R Mediterranee International. Rabat. OM in Arabic			V Good	E	DS	
97.6	1841	07/07	F	Unid. French pop	F001	13_FM___	Qsb	E	DS	
97.6		28/07	GRC	Unid				E	**	
97.6		28/07	HOL	R Noord Holland, Haarlem			Good	E	**	
97.6	1718	03/07	LTU	R M1 Plus,	C20B	_BUK___ _CIA___	_RAMUS_ M-1PLIUS	Fair	E	JF
97.7	1807	07/07	E	Unid "radio musica",	E5A0		F pk	E	TB	
97.7	0927	29/07	E	VALENCIA. On Car Radio.	E274	VALENCIA	Strong	E	WK	
97.8	1245	02/07	I	R Azzurra, Marsala. song in IT, Azzurra sport, advert with 0933 number AF 97.7	*RADIO*_	AZZURRA_ MARSALA_	Good	E	MH	
97.9	1336	11/07	E	Cad Regional Murciana, Molina de Segura songs AF: 97.9 : 107.9	_CADENA_ MURCIANA	REGIONAL MU389004	good	E	MH	
97.9	1331	02/07	I	R America 98 (PA). adv's, Latin Am music no RDS			Fair	E	MH	
98.0	1334	11/07	E	R Aspe, Aspe (VAL). songs E07F =R.ASPE= VALLE_DE --SIN--- UN_SOPLO ---DE---	_LA_VOZ_ _DEL___ We_15:34 LIBERTAD		good	E	MH	
98.0	1838	07/07	F	R Gazelle, Marseille (13) North African mix,			Qrm	E	TB	
98.0	1840	07/07	I	"Radio Margherita" replacing R Gazelle			Poor	E	TB	
98.1	1610	02/07	I	RAI 3, Monte Faito (NA). OM talk	5203	RAI_MF3_	Good	E	MH	
98.1	1753	28/07	POR	R Comercial. Gardhuna. OM & classical music	8203	COMRCIAL	Fair	E	DS	
98.2	1141	28/07	E	RNE 2 R Clasica, Carrascoy (Mur)	E212	RNE-CLAS		E	MHC	
98.3	1558	07/07	E	Catalunya Info. Collserola (Barcelona). OM	E234	CATINFO_	Good	E	DS	
98.3	1002	29/07	E	Cadena SER, R Seville. Estepa. News & ID	E058		Fair	E	DS	
98.5	1150	02/07	E	Cadena Dial, Ferrol. 4kW	E274	CAD-DIAL	R.ALTA_ _SR_P3_	Fair	E	JF
98.5	2005	28/07	S	SR P3				E	MHC	
98.6	1655	03/07	POL	R Bialystok, Suwalki	3058	Radio___	B-stok__	Good	E	JF
98.7	1557	07/07	E	RNE R3. Collserola (Barcelona). Pop px	E213	RNE_3___	V Good	E	DS	
98.7	1431	02/07	I	RAI 3. Talk AF 98.7 99.9 99.3	5203	RAI_MF3_	Good	E	MH	
98.7	1740	07/07	I	RAI Tre. Mt Nerone. ID, OM phone in			Fair	E	DS	
98.7	1751	28/07	I	R Italia Network. Many listed. Ads	5241	-ITALIA-	V Good	E	DS	
98.7	1855	30/07	I	R Italia Network (RM)	_RADIO__	*R.I.N.*	_NETWORK	good	E	MHC
98.7	2002	07/07	MRC?	Morocco? Mono. OM in Arabic				E	JF	
98.8	0845	29/07	E	Onde Cero R. Orense. 2 YL's	E2EE	ONDACERO	Qrm	E	DS	
98.8	1035	29/07	E	RNE 3. Valencina Concepcion. OM & Music	E213	RNE_3___	Good	E	DS	
98.8	1526	07/07	I	Radio Maria. 10 listed. Relig sce.			Fair	E	DS	
98.9	2015	06/07	?	unid. ZZ Top dance mix no RDS			Fair	E	MH	
98.9	1750	28/07	I	R Nostalgie. Unid site. ID, Ads, No PS name	54B7		Good	E	DS	
99.0	1556	07/07	E	RNE R2, R Clasica. Barcelona likely. Classical music	E212	RNE-CLAS	V Good	E	DS	
99.0	2014	07/07	E	RNE 3, Pt Umbria. OM talk AF 99.0 98.8 96.7 RT 'Radio 3 de Radio Nacional de Espana.'	E213	RNE_3___	fair	E	MH	
99.0	1332	11/07	E	RNE 3, Chincilla (CAM). music AF: 92.0 : 99.7 96.0 94.5 103.7 100.1 103.3				E	DS	
99.0	0930	29/07	E	RNE 3. 3 Listed. OM	E213	RNE_3___	Qsb	E	DS	
99.0	1802	02/07	GRC	un-id. Greek sounding OM song			Fair	E	MH	
99.1	1747	28/07	I	R DeeJay. 7 listed. Italian pop. No PS name	5214		Good	E	DS	
99.2	1450	02/07	I	Studio 99 (LE). adverts, Tarantino, piscine, MasterFoto	5039	STUDIO99 VIRGINNE	Fair	E	MH	
99.2	1656	03/07	POL	R Trefl, Gdynia. TENT. Gdynia in at the time. Unknown PI -	3056		Good	E	JF	
99.2	1149	02/07	POR	R Comercial, Braga	8203	COMRCIAL	Good	E	JF	
99.2	1244	02/07	TUN	RTCI, Kasserine. OM talk on phone in FR	7202	RTCI___	Good	E	MH	
99.3	1816	07/07	I	RAI Tre. 3 HP listed. Opera	5203	RAI_MF3_	V Good	E	DS	
99.3	1745	28/07	I	RAI Unid site. Talks in mono	5206	RAI-GRPR	V Good	E	DS	
99.4	2038	06/07	POR	Lagoa FM, Lagoa (Fa). PT pop	80B1	LAGOA_FM	Good	E	MH	
99.5	1605	02/07	E	Europa FM. Unid site. Pop (Granada listed.ed)	E2ED	EUROPAFM	Good	E	DS	
99.5	1331	11/07	E	RNE 2, (EUS listed). OM song AF: 93.6	E212	RNE-CLAS	fair	E	MH	
99.5	1816	07/07	I	RAI Tre. 31LP listed. Opera			Weak	E	DS	
99.5	1737	28/07	I	Radio DeeJay	5214	_DEEJAY	Strong	E	WK	

99.5	1704	03/07	LVA	Russkoye Radio, Riga. Pop	6019		Fair	E	MH	
99.5	1744	03/07	LVA	Russkoye Radio, Riga. Pop RT 'RADIO 99.5 FM ADVERTISING PHONE7033033. CALL NOW!!!'	6019	RUSRADIO RUSSKOJE _RADIO_ 99.5__FM BIZNESS_ _RADIO_ BALTIJA_	Good	E	MH	
99.6	1034	29/07	E	Cadena 100. Sevilla. 2 OM	E2CE	CAD-CIEN	V Good	E	DS	
99.6	1840	07/07	F	Fun Radio. Martigue. Pop px	F217	_F_U_N_	Good	E	DS	
99.6		28/07	GRC	Unid, Good audio				E	**	
99.6	1741	07/07	I	RAI Tre. 2 listed, Bertinoro likely. OM phone in	5203	RAI_MF3_	Good	E	DS	
99.6	1500	28/07	I	R DeeJay	5264	_DEEJAY_		E	MHc	
99.6	1732	28/07	I	Unknown. PI Code Correct.	5E29		Good	E	WK	
99.6	2005	06/07	MRC	Medi 1 (pres). Arabic OM no RDS			Good	E	MH	
99.6	1055	29/07	MRC	R Mediterranee. Cassablanca.				E	DS	
99.7		28/07	BUL	BTC-1, Shumen			Good	E	**	
99.7	1350	11/07	E	RNE 3. Aitana. Spanish vocals	E213	RNE-3__	V Good	E	DS	
99.7	1745	28/07	I	RAI Tre. Several possible sites. //99.7			Qsb	E	DS	
99.8	1822	06/07	E	Unid. Ads	E040		Poor	E	DS	
99.8	1855	28/07	E	RNE 3.	E213	RNE_3__	Strong	E	WK	
99.8	1930	28/07	E	RNE 5. Toledo listed 99.9. Time signal, ID			Poor	E	DS	
99.8	0931	29/07	E	Onda Cero R. Valdepenas. Ads	E2EE	ONDACERO	Good	E	DS	
99.8	1555	07/07	F	France Culture. Perpignan. YL	F202	CULTURE_	V Good	E	DS	
99.8	1647	28/07	F	Fun Radio	F217		Good	E	WK	
99.8	1525	07/07	I	RETE 105. Lecce or Trento? 2 OM	5211	._105_.	Good	E	DS	
99.8	1731	28/07	I	RTL Hit Radio	5218	RTL102.5	HitRadio	Good	E	WK
99.8	1801	28/07	I	Radio 105	5211	__RADIO_	__105_	Strong	E	WK
99.8	1942	07/07	POR	R Comercial. Montejunto. Vocals	8203	COMRCIAL	Good	E	DS	
99.9	1822	06/07	E	Cadena Dial (Bahia) Cadiz. Latin music	E031	BAHIA__	Qsb	E	DS	
99.9	1718	28/07	I	Radio 24. Unid site. Talks	5245	RADIO_24	Fair	E	DS	
99.9	1745	28/07	I	RAI Tre. Mt Penice. OM	5203	RAI_MF3_	Fair	E	DS	
99.9	1640	03/07	POL	PR Trojki, //96.6 3233			excell	E	TB	
99.9	1717	03/07	POL	PR-3, Gdansk		_POLSKIE _TROJKA_ _GDANSK_		E	JF	
99.9	1924	06/07	SVN	R Slovenia 2, Kum. Only SVN While Spain present elsewhere!			Fair	E	JF	
100.0	1845	07/07	F	NRJ, UNID site	F220		Good	E	JF	
100.1	1943	02/07	E	RNE 3. Jazz	E213	RNE_3__	Fair	E	MH	
100.2		28/07	?	R Donna, pop mx	5391	R.Donna	Good	E	**	
100.3	1141	02/07	E	Onda Cero R, Baiona, Galicia - 500w!	E2EE		Good	E	JF	
100.3	1407	11/07	E	SER. Unid site. Ads	E239		Good	E	DS	
100.3	0935	29/07	E	Europa FM. Unid site. ID's			Fair	E	DS	
100.3	1950	28/07	GRC	Folk mx, Greek dj, only greek present on the band at the time				E	**	
100.3	0728	04/07	SVK	Rock FM, Kosice. pop/rock	5203	ROCK_FM_	Good	E	MH	
100.4	1148	02/07	E	UNID	E511		Fair	E	JF	
100.4	1604	02/07	E	SER. Daimiel (Ciudad Real). News	E239	__SER__	Good	E	DS	
100.4	1527	07/07	I	Radio Maria. Spoleto. Relig singing			Qsb	E	DS	
100.4	1743	28/07	I	R Monte Carlo. Parma. ID & ads			Fair	E	DS	
100.5	1817	07/07	F	NRJ. 8 listed. Vocals	F220	__NRJ__	Qrm	E	DS	
100.5	1817	07/07	F	Unid. Sassari. 2 OM in French	56D7	INTERNAZ	Qrm	E	DS	
100.5	1525	07/07	I	CRC Targato Italia. Napoli. Pop px	5478	C.R.C__	Good	E	DS	
100.5	1745	07/07	I	Play Studio Dance network. Unid site. San Marino ads	53C7	__PLAY__	Fair	E	DS	
100.5	1502	28/07	I	Radio CRC, (NA)		_C_R_C_	081__	E	MHc	
100.5	1639	03/07	LVA	BBC World Service, Riga. Financial News, Sport			Good	E	MH	
100.7	1850	30/07	I	R Dimensione Suono (PG)		*_RDS_*_	good	E	MHc	
100.7	1743	03/07	LVA	LVR2, Daugavpils. YL song			Fair	E	MH	
100.7	2015	07/07	POR	RDP 3, Faro (pres). Pop AF 101.9 100.7	8204	ANTENA_3	Good	E	MH	
100.9	1644	03/07	BLR	BR-R. Stalica, Mahiliou //102.0,103.3, 103.7	FFFF	RDS-PS__	Excell	E	TB	
100.9	1657	03/07	BLR	R Stalitsa FM, Mahilliou	FFFF	RDS-PS__	Good	E	JF	
100.9	1844		BUL	R Horizont, Botev Vrah or Varna	8201	HORIZONT	Fair	E	JF	
100.9	1148	02/07	E	R Galega, Xesterias	E4E0	R.GALEGA	Good	E	JF	
100.9	1608	02/07	E	RNE 1. Pechina	E211	RNE_1__	Qrm	E	DS	
100.9	1815	06/07	E	Cadena COPE. Alcala de Henares. OM	E0F0	HENARES_	Fair	E	DS	
101.0	1820	06/07	E	RNE 1. Herencia (Najavo), Castilla La Mancha. Talks	E211		Fair	E	DS	
101.0	1135	28/07	E		E2ED			E	MHc	
101.1	0731	04/07	?	un-id. OMs talk. no RDS			Good	E	MH	
101.1	1914	02/07	E	Cad Dial, Melilla. Pop AF 101.1 96.2 94.5	E274	__DIAL__	Good	E	MH	
101.1	1911	06/07	E	Cad Dial, Melilla. OMs talk	E274	__DIAL__	Good	E	MH	

101.2	1142	02/07	E	Cadena COPE? Maybe Vilalba, Galicia in at the time. Also R ECCA has this PI in Canaries, listed here	E2CA		V Good	E	JF
101.2	1351	11/07	E	Onda Cero R. Valencia. Ads	E2EE	ONDACERO	Fair	E	DS
101.3	1143	02/07	?	North FM?			Good	E	JF
101.3	1347	11/07	E	R Alhendin FM (AND). songs AF: 101.3 : 106.6 RT: 'INSERTE AQUI SU PUBLICIDAD DIGITAL * CONTRATELA EN EL 958576446'	FFFF	-DIGITAL _TABERNA *BIG*_LA LA..... _R_F_C__	good	E	MH
101.3	1844	07/07	F	RMC, Orange (84)	F216		Good	E	JF
101.3	1530	07/07	I	R Centro Suono. Roma. Om with ID			Qsb	E	DS
101.3	1142	02/07	POR	UNID	8053		Fair	E	JF
101.4	1645	03/07	POL	Radio Zet, //105.0 ,96.6,88.7	3205		Excell	E	TB
101.4	1658	03/07	POL	R Zet, Suwalki	3205		Good	E	JF
101.4	2016	07/07	POR	R Pax, Beja. advert, promo	80B0	PAX_BEJA	Good	E	MH
101.5	1944	02/07	E	Radio Ole. Spanish guitar and song AF 101.5 88.8 RT ' - Radio text test message - Radio Text 64 characters of text'	E238	RADIOLE_	Good	E	DS
101.5	2013	06/07	E	Radio Ole. Sevilla? Ballads	E238	RADIOLE_	Good	E	DS
101.5	1617	07/07	E	Catalunya Musica. Collserola (Barcelona). 2 OM	E232	CATMUSIC	Fair	E	DS
101.6	1143	02/07	E	Onda Cero R, 4 listed	E2EE		Good	E	JF
101.7	1330	11/07	E	RNE 1, Carrascoy (MUR). YL talk	E211		fair	E	MH
101.7	1641	03/07	EST	Ring FM, Voru. EG pop, jingle Ids RING_FM_ ERALIIN_ __1616__ 09002877 RING_FM_ __PRESS_ VOLUME + __UUS__ SOOVIL00 TELEFONI __SARK_ __SELGA!_ __ILUSAT_ LUGU__ SUVE_JA_ __MINGE_ __UJUMA!_ RING_FM_ __SINU_ VALITUD_ MUUSIKA_ IGA_PAA_ KELL_18_ SOOVIL00 TELEFON_ 09002877 MOB.1616 RING_FM_ REKLAAMI TELEFON_ 07820800 RING_FM_ __NR.1__ _LQUNA-_ _EESTIS_ RT 'LUGU PLAADILT - LUGU PLAADILT - LUGU PLAADILT - LUGU PLAADILT - RT 'ERALIIN 1616 JA 0 900 28 77 ERALIIN 1616 JA 0 900 28 77'	20E2	RING_FM_	Good	E	MH
101.7	1646	03/07	POL	R Plus, Chwaszczyno, Gdansk	3200		Excell	E	TB
101.7	1658	03/07	POL	R Plus, Gdansk.	3200	_PLUS__ 344_4444 _RADIO__	Good	E	JF
101.8	0958	29/07	E	Unid. Pop px	0000	_GUADIX_	Qsb	E	DS
101.8	0959	29/07	E	R Getafe. Spanish vocals. Garbled PS Name	E3D7	10AD8MHZ	Good	E	DS
101.9	1616	07/07	E	Unid. Alcudia. Pop px	E302	NOSTRA__	Qrm	E	DS
102.0	1328	11/07	E	R Espana, Petrer (VAL). OM/YL, OM talk AF: 102.0 89.0	E2EF	R. ESPANA 102.0_FM	good	E	MH
102.0	1346	11/07	E	Big non RDS signals on 102.0 102.6 102.9			good	E	MH
102.0	1309	02/07	I	R Maria. Jewish song Shalom AF 102.0 87.8 88.9 89.6 89.8 96.3 99.6 101.4 103.0 106.8 107.9 98.5 107.7	51CC	R.MARIA_	Good	E	MH
102.0	1533	02/07	I	R Maria. recitation (psalm?)	51CC	R.MARIA_	Good	E	MH
102.0	1835	30/07	I	R Linea, Ancona (AN)	5588	_LINEA__	fair	E	MHc
102.0	1647	03/07	POL	RMF FM Olsztyn, Milki, Gizycko.	3F44		Excell	E	TB
102.1	1134	28/07	E		E226			E	MHc
102.1	1804	07/07	I	RTL-Hit R 102.5, //104.5, 102.3	5218		Excell	E	TB
102.1	1715	28/07	I	R Company. Unid site. Ads & ID	5350	COMPANY*	Fair	E	DS
102.1	1819	03/07	LTU	LR1, Kaunas, Panevezys. nx px, no RDS//102.3 (500 watts!)			Good	E	TB
102.2	0930	29/07	?	Unknown. On Car Radio.		DIR_A	Strong	E	WK
102.2		28/07	TUR	Oscar Radio, pops	3064	__HEP_	46dB	E	**
102.25	1930	07/07	I	Unid, Mono opera mx. No RDS. Most splits seem to be vanishing			Good	E	TB
102.3	1804	07/07	I	Unid,	5420		Good	E	TB
102.4	1945	02/07	E	Cad Dial, Sevilla. Adverts	E274	CAD-DIAL	Fair	E	MH
102.4	1151	28/07	E	Cad Dial, Sevilla (And)	E274	CAD-DIAL		E	MHc
102.4	1016	29/07	E	Cad Dial, Sevilla (And)		CAD-DIAL		E	MHc
102.4	1837	07/07	F	Nostalgie, Nyons (26) F218			Fair	E	JF
102.4	1532	02/07	I	RTL 102.5. pop	5218	RTL102.5	Good	E	MH
102.4	1650	03/07	LVA	R Imanta, Valmiera. Queen - Radio Ga Ga	9102		Fair	E	MH
102.4	0808	04/07	SVK	Rock FM, Namestovo. rock music AF 102.4 100.1 100.6 101.5	5203	ROCK_FM_	Good	E	MH
102.6	1346	11/07	E	Big non RDS signals on 102.0 102.6 102.9			good	E	MH
102.7	1147	02/07	E	Onda Cero R, La Coruna	E2EE		Good	E	JF
102.7	1048	29/07	E	R Atlantico? Unid site. Vocals	A000	ATLNTICO	Qrm	E	DS
102.7	1921	07/07	I	Radiosa, "Radiosa-Number1"			QRM	E	TB
102.9	1346	11/07	E	Big non RDS signals on 102.0 102.6 102.9			good	E	MH
103.0	0746	04/07	HNG	Slager R, Komadi. OM, jingle ID, music AF 97.5 100.4 90.3	B206	_SLAGER_	Good	E	MH
103.1	0733	04/07	?	un-id. YL talk "theology" no RDS			Fair	E	MH

103.1		28/07	BIH??	Serbocroat w many many mentions of Bosnia Hezegovina and "banka Herzegovina" A short tape recording is available if anyone wants to translate. good sig, no RDS				Excell	E **
103.2	0934	29/07	E	Europa FM. On Car Radio.	E523	EUROPA_FM	Strong	E	WK
103.2	0940	29/07	E	Cadena SER. Unid site. YL with phone in	E039	__SER__	Qrm	E	DS
103.2	1016	29/07	E	SER	E039	__SER__		E	MHc
103.3	0530	04/07	CVA	Vatican R, Vatican City State. Vocal ID			Fair	E	JF
103.3	1712	28/07	I	Iso Radio. Genova. News	5207	ISORADIO	Qrm	E	DS
103.3	1735	28/07	I	Iso Radio. Unid site - NOT Genova! This TX in mono, also different PI code. YL with traffic rpt.	5209	ISORADIO	Fair	E	DS
103.4	1715	03/07	BLR	"Roshka R" ID	FFFF		Good	E	JF
103.4	1434	02/07	I	R Orizzont. Adverts	5A37	*RADIO.* __PIU'__ __UNICA__ __CHE__	Good	E	MH
103.4	1756	02/07	I	R Orizzont. Pop AF 102.8 103.4	5A37	__RADIO__ ORIZZONT *R.O.A.*	Fair	E	MH
103.5	1946	02/07	E	RNE 1. Talk AF 103.5 95.2 106.1	E211	RNE_1__	Fair	E	MH
103.5	1324	11/07	E	Radio 9, Gandia (VAL). YL/OM talk AF: 98.4 98.5 98.6 100.9 101.5 102.2 103.0 103.5 103.7 105.2 105.5 105.6 96.5 97.6 101.0 101.2 RT: 'RADIO 9 LA VIDA EN DIRECTE '	E401	RADIO_9_ __LA_VIDA__ __EN__ __DIRECTE__	good	E	MH
103.5	1325	11/07	E	RNE 5 Cartagena (MUR). music, OM talk AF: 103.5 : 92.1 101.2 105.8	E215	RNE_5__	fair	E	MH
103.5	0935	29/07	E	Radio 9. On Car Radio.	E401	RADIO_9	Strong	E	WK
103.5	0734	04/07	HNG	R Danubius, Tokaj. Pop AF 101.1 104.7 101.6 98.3	B205	DANUBIUS	Good	E	MH
103.5	1334	02/07	I	R Capital. Died in your arms tonight AF 90.6 104.0 104.6 93.4 97.3	5219	__CAPITAL	Good	E	MH
103.5		28/07	I	Macomer Centrale, NU	5273		Good	E	**
103.5	1711	03/07	LTU?	Presume Lithuania. 2 listed here C265			Fair	E	JF
103.6	1820	07/07	F	RF Bleu-Provence, Marseille (13)	F405	BLEUPROV	Good	E	TB
103.6	1853	07/07	F	R France Blue Provence (?) Marseille?	F405	BLEUPROV	Good	E	JF
103.6	1433	02/07	I	un-id. pop, DJ	5064		Fair	E	MH
103.6	0710	04/07	POL	R Plus, Tarnow. Pop AF 88.3 101.2 103.6	3320	103.6MHz __TARNOW__ 04/07/01	Good	E	MH
103.6	0711	04/07	SVK	Rock FM, Lucenec. Pop	5203		Fair	E	MH
103.65	1920	07/07	I	Unid, Dance mx, Very wide!			G pk	E	TB
103.7	1729	03/07	BLR	BR-1, Brest	FFFF		Fair	E	JF
103.7	1024	29/07	E	RNE 3, Yecla (Mur)		RNE_3__		E	MHc
103.8	1819	07/07	F	Cherie FM, Malijay , Police mx	F224		Good	E	TB
103.9	1708	03/07	BLR	R Stalitsa FM,	FFFF	RDS-PS__	Good	E	JF
103.9	1402	11/07	E	Caden Dial. Murcia. Spanish pop	E234	__DIAL__	Qrm	E	DS
103.9	1105	29/07	E	Canal Fiesta R. Unid site. Spanish vocals	E331	C.Fiesta	Fair	E	DS
103.9	1524	07/07	I	Radio Maria. 7 listed. Relig sce, mono TX.			Fair	E	DS
104.0	1843	07/07	F	Mono	F851	__RCF__	Fair	E	JF
104.0	1904	07/07	F	Unid,	F851		Good	E	TB
104.0	0734	04/07	SVK	Fun Radio, Banska Bystrica. Pop AF 104.0 87.7 94.3 99.2 102.9	2311	FUNRADIO	Good	E	MH
104.1	0945	29/07	E	Cadena SER. Puertollano. OM phone in (mono)	E239	__SER__	Qsb	E	DS
104.2	1323	11/07	E	RNE 5, Santa Pola (VAL). YL talk, ID, OM traffic AF: 104.2 : 92.1 103.5 88.2 95.5	EA15	RNE_5__	good	E	MH
104.2	1011	29/07	E	RNE 5, Santa Pola (Val)	EA15	RNE_5__		E	MHc
104.3	1909	06/07	E	SER. "La Mancha", "Hora Extra"	0239	__SER__	Fair	E	MH
104.3	1854	07/07	F	RMC, multi tx. Maybe Marseille	F216		Good	E	JF
104.3	1601	02/07	I	un-id. Adverts	5021	__080__ _3113038	Fair	E	MH
104.3	1650	03/07	LVA	Super FM, Riga. EG pop, OM, ID, UK Top40 SUPER_FM _104,3__ Eiropas__ Hitu__ Radio__ __1952__ _Artist-__ BBC__ -Title-__ UK_TOP__ __40__ Skan_no_ 2001.07_ RT 'DEFEKTS underground house no Chicago, NYC, Detroit- svetdien 2000 ' RT 'Alternative nation no svetdienas lidz ceturtdienai 2100-2200 ' RT 'Al r FM top 0 no pirmdetdis lidz cetur nai 00-2300 ' RT 'Gult ar Super FM no svetdienas lidz ceturtdienai 2300-100 ' RT 'Super FM 104,3 hoir hitu radio www.superfm.lv ' RT 'Super FM rita programma katru ritu 600-900 '	9088	SUPER_FM	Good	E	MH
104.3	1652	02/07	POR	R Nostalgia, Lisboa. jingle, EG oldies RT 'NOSTALGIA - REDE REGIONAL SUL ' AF 104.3 : 96.4 106.1 106.4 106.7 107.1 107.5	8332	NSTALGIA	Good	E	MH
104.3	2040	06/07	POR	Nostalgia FM, Lisboa. EG oldies	8332	NSTALGIA	Good	E	MH
104.3	0735	04/07	SVK	Rock FM, Poprad. EG rock	5203	Rock_FM__	Good	E	MH
104.4	1934	02/07	E	un-id. Music	E001		Fair	E	MH

104.7	1831	07/07	F	NRJ, Nyons (26)		F220		Fair	E	JF
104.7	1839	07/07	F	Europe 1. Many sites. Sport in mono		F213	EUROPE_1	Good	E	DS
104.7	1905	07/07	F	Europe 1, Sports roundup		F213		Good	E	TB
104.7	1758	02/07	GRC	un-id Greek sounding YL song				Fair	E	MH
104.7	1603	02/07	I	R DeeJay. YL news and sport		5214	_DEEJAY_	Good	E	MH
				AF 104.6 93.5 104.2 104.7 95.8 88.9 90.4 90.1 103.6						
104.8	0948	29/07	E	Canal Sur. Pechina & San Christobal listed.		E332	CanalSur	Fair	E	DS
104.8	1106	29/07	E	Canal Sur, Jerez. Full ID			CanalSur	good	E	MHc
104.8	1831	07/07	F	Europe 1, multi tx – likely Marseille		F213	EUROPE_1	V Good	E	JF
105.0	1614	07/07	E	Catalan ads" learn English today"				Good	E	TB
105.0	1820	07/07	I	R Monte Carlo. 2 listed. Chart px		5213	_RMC_FM_	Fair	E	DS
105.0	1705	28/07	I	R Disco. Unid site. Jingle & music		5348	*DISCO*_	Fair	E	DS
105.1	1606	02/07	E	Cadena Los 40 principales. Ciudad Real. Spanish pop		E235	CUARENTA	Fair	E	DS
105.1	2015	06/07	E	Canal Sur R. Sevilla. Phone report		E332	CanalSur	Fair	E	DS
105.1	1150	28/07	E	Canal Sur, Valancina (And)			CanalSur		E	MHc
105.1	1618	07/07	F	RF Info, Perpignan				Good	E	TB
105.1	1836	07/07	F	Unid . YL with talks in mono		F851	__RCF__	Good	E	DS
105.1	1402	02/07	I	Kiss Kiss Network. News, sport		5225	KISSKISS	Good	E	MH
105.1	1603	02/07	I	R DeeJay. YL news and sport				Fair	E	MH
105.1	1830	03/07	KAZ?	Classical mx				Good	E	TB
105.2	1838	07/07	F	France Info. Several sites possible. OM in mono		F206	__INFO__	Good	E	DS
105.2	1842	07/07	F	France Info, multi tx. Via sporadic E		F206	__INFO__	Good	E	JF
105.2	1727	03/07	LVA	Radio SWH, Riga. pop, jingle ID		9458	__SWH__	Good	E	MH
				RT 'Radio SWH visu laiku labaka muzika visa Latvija.'						
105.3	1830	06/07	E	Onda Regional Murcia. Carrascoy. Ads		E201	ONDA_REG	Fair	E	DS
105.3	1139	28/07	E	Onda Reg, Murcia (Mur)		E201	ONDA_REG		E	MHc
105.3	0936	29/07	E	Onda Reg. On Car Radio. E201			ONDA_REG	Strong	E	WK
105.3	1023	29/07	E	Onda Reg, Murcia (Mur)		E201	ONDA_REG		E	MHc
105.3	1835	07/07	F	France Info. Marseille. OM, news in mono		F206	__INFO__	V Good	E	DS
105.3	1842	07/07	F	France Info, multi tx – likely Marseille		F206	__INFO__	V Good	E	JF
105.3	1522	07/07	I	Unid. Pop music		5E49		Fair	E	DS
105.3	1734	28/07	I	Radio 101. Firenze. No PS name despite great sig.		5E49		V Good	E	DS
105.4	0948	29/07	E	RNE 1. Sierra De Almaden. Om & YL		E211	RNE_1__	Fair	E	DS
105.5	1833	07/07	F	France Musique. Brignoles La Loube. Opera		F203	MUSIQUES	Fair	E	DS
105.6	1842	07/07	F	TFM, Montelimar (26)		F844	_T_F_M_	V Good	E	JF
105.6	0720	04/07	HNG	Bartok. Classical Music.		B202	_BARTOK_	Strong	E	WK
105.6	1417	02/07	I	Disco Radio (RM). pop, ID's		5348	*DISCO*_	Good	E	MH
				AF 104.2 91.4 97.9 90.8 102.2 100.4			*RADIO*_			
				AF 104.2 95.5 95.7 101.8 99.1 95.8 96.7 92.6 98.9 90.4 90.5 102.9						
105.6	1710	28/07	I	RETE 105. Unid site. YL, ID & pop		5211		Qsb	E	DS
105.6	1707	03/07	LTU	Russkoya R Vilnius, Vilnius		CA46	_RADIO__	Fair	E	JF
105.6	1714	03/07	POL	R WAWA, Gdynia Okywie	_GDYNIA__	105,6_FM	_NAJLEP_	Fair	E	JF
105.7	1614	07/07	E	Flaix FM, Barcelona			FLAIX_FM	Excell	E	TB
105.7	1521	07/07	I	RETE 105. 2 sites possible. Jingle & music				Poor	E	DS
105.7	1144	02/07	POR	R Jornal, Valenca		8343		Fair	E	JF
105.7	1726	06/07	SVN	SLO-3.		63A3	_SLO_3__	Strong	E	WK
105.8	1633	07/07	E	Cat-Info, om verbal id				Fair	E	TB
105.8	1400	11/07	E	RNE 5. Santa Pola - Crevillan (Valencia). ID & News				Good	E	DS
105.8	0955	29/07	E	Canal Fiesta R. Unid site. ID as Cadena SER.		E331	C.Fiesta	Qsb	E	DS
105.8	1012	29/07	E	RNE 5, Santa Pola (Val)		EB15	RNE_5__		E	MHc
105.8		28/07	I	R Dimsouno, 2 sites Listed				Good	E	**
105.8	1700	28/07	I	R Dim Suono. 6 listed. News		5264	*_RDS*_	Fair	E	DS
105.8	1706	28/07	I	DIMSUONO		5264	DIMSUONO	Good	E	WK
105.8	1846	30/07	I	DIMSUONO.		5264	DIMSUONO	Strong	E	WK
105.9	1756	07/07	I	R Norba, 2 tx's listed				Good	E	TB
106.0	1344	11/07	E	Onda Cero, Alzira (VAL). OM talk		E2EE	ONDACERO	good	E	MH
106.0	1627	07/07	F	Unid, OM tk, just mentioning it because it's rare for century to get overridden even in congleton				F pk	E	TB
106.0	1822	07/07	F	RTL. Ajaccio Likely. 2 OM		F211	__RTL__	Poor	E	DS
106.0	1426	02/07	I	(SEBS)				Fair	E	MH
106.0	1707	28/07	I	AFRTS. Many sites. OM with sport news				Poor	E	DS
106.0	1701	03/07	LTU	M-1. Talk RT "CIA MANO RADIJAS"		CA01	TELSIAI_	Good	E	MH
				AF 106.8 105.9 106.2 106.3 106.4 106.5			106.0MHz			
106.1	1614	07/07	E	Flaixbac, Barcelona, usual pops			FLAIXBAC	Excell	E	TB
106.1	0950	29/07	E	Onda Reg. Ricote (Murcia). Talks		E201	ONDA-REG	Qsb	E	DS
106.1	1023	29/07	E	Onda Reg, Ricote (Mur)		E201	ONDA_REG		E	MHc
106.1	1458	07/07	I	R Monte Carlo. Roma. OM		5213	_RMC_FM_	Good	E	DS
106.1	1831	07/07	I	R Italia Network. 2 listed. Ads & ID's		5241		Qrm	E	DS
106.2	1615	07/07	E	RNE R4. Rocacorba (Girona). Spanish vocals		E314	RNE_4__	V Good	E	DS

106.2	1905	07/07	F	RTL-2, Hyeres likely (83)			__RTL2__		E	JF	
106.2	1823	12/27	F	RTL 2. Toulon. French vocals	F215		__RTL2__	V Good	E	DS	
106.2	1741	07/07	I	R Subasio. 13 listed. Italian vocals	53FD		SUBASIO	Fair	E	DS	
106.2	1703	03/07	POL	R Maryja, Lidzbark	3232		R, MARYJA	Fair	E	JF	
106.3	2020	06/07	E	RNE 5. Jerez Frontiera (likely) Overmodulated. Full ID	E215			Good	E	DS	
106.3	1550	07/07	E	RNE 4. Sant Pere de Ribes (Catalunya).	E314		RNE_4__	V Good	E	DS	
106.3	2015	07/07	E	RNE 5. ID heard also.	E215		RNE_5__	Strong	E	WK	
106.3	1022	29/07	E	RNE 5, Jerez (And)	E515		RNE_5__		E	MHc	
106.3	1455	07/07	I	R Monte Carlo. Chiavari. Ads & ID	5213		__RMC_FM__	Good	E	DS	
106.3	1900	07/07	I	Radio italia. Several listed. Italian vocals	5220		R. ITALIA	V Good	E	DS	
106.3	1713	03/07	LTU	R M1,	CA01			Fair	E	JF	
106.4	1830	07/07	F	NRJ, Marseille	F220		__NRJ__	Fair	E	JF	
106.4	1646	02/07	HRV	R Ritam, Sibenik. YL, music RT 'SAMO JEDAN SE SLUSA RADIO RITAM '	C002		RITAM-	Fair	E	MH	
106.4	1443	02/07	I	un-id. OM DJ	5158		*R	Fair	E	MH	
106.4	1825	07/07	I	NRJ, Marseille (13) pops	F220			Good	E	TB	
106.4	1820	30/07	I	R Dimensione Suono (AN)		__RDS__	LA_RADIO	__TOTALE__	good	E	MHc
106.4	1830	03/07	KAZ?	Russian folk-pops				Good	E	TB	
106.4	1654	02/07	POR	Oasis FM. YL ID's and music	80A5		OASIS_FM	Good	E	MH	
106.5	1930	02/07	E	"Segar? Radio, Sevilla". ID, Don MacLean record				Fair	E	MH	
106.5	1628	07/07	F	Europe 1, S. France			EUROPE_1	excell	E	TB	
106.5	1631	07/07	F	NRJ,			__NRJ__	Excell	E	TB	
106.5	1521	02/07	HRV	Otvoreni R, Brac. Adv Magazin, Beatles RT ' OTVORENI RADIO GLAZBENI RADIO '	C210		OTVORENI	Good	E	MH	
106.5	1659	03/07	LVA	Radio SWH, Riga. mx, OM wx, jingle, ID				Good	E	MH	
106.5	1714	03/07	LVA	Radio SWH (2 sites). Paul Young record, ID AF 94.7 100.1 100.3 101.2 102.2 104.0 105.1 105.2 105.4 106.5 106.5	9458		__SWH__	Fair	E	MH	
106.5	1801	03/07	LVA	R SWH, Riga	9458		__SWH__	Fair	E	JF	
106.6	1933	28/07	E	RNE 1. Mijas. OM Phone reports	E211		RNE 1__	Fair	E	DS	
106.6	1850	30/07	E	R Estel. Unid site. Vocals	E243			Fair	E	DS	
106.6	1830	07/07	F	M FM, Hyeres likely (83)	F225		__M_FM__	Good	E	JF	
106.6	1832	07/07	F	MFM, Toulon	F225			Good	E	TB	
106.6	1839	07/07	F	R Ecclesia, Nimes. Mono. Nimes in radiotext	F681		ECCLESIA	Goodr	E	JF	
106.6		28/07	I	R Maria, //87.5, 93.9				Good	E	**	
106.6	1704	03/07	LTU	R M1,	CA01		101.6MHz	Fair	E	JF	
106.7	1840	30/07	F	France Inter. Brignloes La Loube. African pop	F201		__INTER__	V Good	E	DS	
106.7	1145	02/07	POR	R Jornal, Minheu				Weak	E	JF	
106.7	1842	26/07	ROU	Europa FM, UNID site. Vocal ID			EUROPAFM	Weak	E	JF	
106.8	1137	28/07	E	Onda Cieza, Cieza (Mur)	E053		__ONDA__ __TALLER__	__CIEZA__ OLIVARES	good	E	MHc
106.8	1847	07/07	F	Europe 1, Pau likely			F213	EUROPE_1	Good	E	JF
106.8	1705	03/07	LTU	R M1, . // 106.6	CA01		VILNIUS_ 106.8MHz	__M-1__	Fair	E	JF
106.9	1928	02/07	?	"Max FM Radio". EG pop, ID then French				Fair	E	MH	
106.9	1908	06/07	E	RNE ???. OM "Radio Nacional"				Brief	E	MH	
106.9	1411	02/07	I	un-id. Barry White record AF 88.3 104.0 106.9	5420		M_E_	Fair	E	MH	
106.9	1412	02/07	I	R Latte Miele (RC). YL adverts	5355		LE	Fair	E	MH	
106.9	1747	02/07	I	R Capital. adv's for scooter	5219		__CAPITAL	Fair	E	MH	
106.9	1145	02/07	POR	R Jornal, Braga	8343		__T_S_F__	Fair	E	JF	
107.0	1935	28/07	E	New R Network. Malaga	52FF		ANUNCIAR		E	DS	
107.0	1410	02/07	I	AFN (PN). OM about employment, YL diet				Fair	E	MH	
107.0	1605	02/07	I	Kiss Kiss Network (AQ). YL news	5225		KISSKISS	Good	E	MH	
107.0	1457	07/07	I	AFRTS. Aviano. OM with info - country music px				Fair	E	DS	
107.0	1733	03/07	LVA	Radio 1, Jekabpils. "reklam", music. no RDS				Fair	E	MH	
107.1	1320	11/07	E	La Mega R, Valencia VAL. pop AF: 107.1 : 107.5 107.1 RT: ' ALENCIA Y PARA LOS V CI MIL OYENT RT: '906428584 COSTE MAXIMO LLAMADA 127 PTS TO HORA PUNTA RT: 'LA MEGA RADIO INFORMA DE SU NUEVA DIRECCION JOSE REU ALAB' RT: 'INVITACIONES Y CONCURSOS 906428584	E069		__MEGA__ __2001__ LA_MEGA_ RADIO-TV_ __VERANO__	good	E	MH	
107.1	1825	07/07	F	France Info, //105.3 & 105.2 (Not Lille)	F206			Good	E	TB	
107.1	1825	07/07	F	France Info, Heyers - Cap Benat. Om/YL	F206		__INFO__	V Good	E	DS	
107.1	1827	07/07	F	France Info, Hyeres (83). Mono	F206		__INFO__	Fair	E	JF	
107.1	1424	02/07	I	un-id. adverts for Palermo				Weak	E	MH	
107.1	2042	06/07	POR	Nostalgia FM, Santiago. // 104.3				Fair	E	MH	
107.1	1649	03/07	UKR	Unid, Kiev				Excell	E	TB	
107.2	1928	02/07	E	un-id. pop and Spanish songs				Fair	E	MH	
107.2	1855	07/07	F	R Vitamine, Marseille	F433		VITAMINE	Fair	E	JF	

107.2	1421	02/07	I	R Maria. OM abt "filio de deo"	51CC	R.MARIA_	Good	E	MH	
				AF 107.2 98.1 AF 107.2 87.7 89.0						
107.2	1422	02/07	I	R Norba (LE). salsa type music	5353	-NOR	Fair	E	MH	
107.2	1456	07/07	I	R Maria. 6 sites listed. Religious program			Fair	E	DS	
107.2	1845	30/07	I	R Maria (PG)		R.MARIA_	fair	E	MHc	
107.2	2010	06/07	POR	R Cidade, Amadora. PT pop music	800B	_CIDADE_	Good	E	MH	
107.3	1841	30/07	F	France Inter. Unid site.			Poor	E	DS	
107.3	1748	07/07	I	R 101, unid site, many listed			Poor	E	TB	
107.3	1830	07/07	I	Radio Maria. 4 listed. YL	51CC	R.MARIA_	Fair	E	DS	
107.4	1358	02/07	I	R Evangelo Isola (KR). very wow-y tape, Evangelo			Fair	E	MH	
107.4	1445	02/07	I	Radio 105. OM/YL	5211	.RADIO_.	Good	E	MH	
				AF 87.9 92.1 93.3 93.4 94.3 94.4 94.6 94.9 95.3		._105_.				
107.4	1520	02/07	I	Radio 105. country style record	5211	.RADIO_.	._105_.	Fair	E	MH
107.4	1746	02/07	I	Radio 105. OM adverts, pop AF 87.9	5211	.RADIO_.	._105_.	Fair	E	MH
107.5	1403	02/07	I	Tour Radio, Napoli (NA). pop, YL DJ	5446	__TOUR__	Good	E	MH	
				AF 107.5 99.3 100.4 101.2 101.8 89.6 99.4						
107.5	1740	28/07	I	R Margarita. Messina listed but very unlikely. Jingle	5242	MARGHRTA		E	DS	
107.5	2043	06/07	POR	Nostalgia FM, Monchique. // 104.3			Fair	E	MH	
107.6	1752	03/07	BLR	UNID	FFFF	RDS-PS__	Fair	E	JF	
107.6	0952	29/07	E	Cadena Top R. Cuenca. Jingle & vocals	E212	TOPRADIO	Qrm	E	DS	
107.6	1359	02/07	I	un-id. OM, Planet Love, Telecom Italia ad			Fair	E	MH	
107.6	1747	07/07	I	R Maria, usual rlg stuff //107.3,107.9			Excell	E	TB	
107.6	1829	07/07	I	Radio Maria. 11 listed. "Ave Maria". Stereo TX for a change!		R.MARIA_	Fair	E	DS	
107.6	1830	30/07	I	R Maria (AN)		R.MARIA_	good	E	MHc	
107.7	1556	02/07	I	R Reporter (LE). Ids	54C4	REPORTER	Good	E	MH	
				AF 107.7 107.9 98.3						
				RT 'Gall E) ITA el. ++39 833 2 107 - 2942248 '						
				RT 'Concia E siva i Pubbli - TA S.R.'						
107.7	1754	02/07	I	R Reporter. Adverts	54C4	_RADIO__	REPORTER	Good	E	MH
107.7	1735	03/07	LVA	LVR2/Hit FM, Riga. electronic music. no RDS			Fair	E	MH	
107.9	1727	03/07	BLR	UNID	FFFF		Good	E	JF	
107.9	1401	11/07	E?	Radio TGN? YL & music	9012	__RACAD_	Fair	E	DS	
107.9	1415	02/07	I	Radio 24. OM talk	5245	RADIO_24	Good	E	MH	
107.9	1456	07/07	I	Radio 24. Unid site.	5245	RADIO_24	Good	E	DS	
107.9	1746	07/07	I	Italia R, Terni	5233		brf	E	TB	
107.9	1800	07/07	I	Phonetically "Radio Bennay", v brf id atop many other stns			brf	E	TB	
107.9	1827	07/07	I	Radio Maria. 17 listed. Jingle & phone in (mono)	51CC	R.MARIA_	Good	E	DS	
107.9	1648	03/07	POL	R Marja, Deblin or Suwalki, //106.2	3232		Excell	E	TB	
107.9	1713	03/07	POL	R Maryja, Suwalki	3232	R.MARYJA	Good	E	JF	
107.9	1756	07/07	POR	Unid, PP yl singing Dirge-i-fied version of Clash's "Magnificent 7"			Good	E	TB	
108.0	1405	02/07	I	Studio Emme, Napoli (NA). Pop	53C5		Fair	E	MH	
				RT '*- RADIO STUDIO EMME *- *- *- *- STUDIO EMME -- NAPOLI -*'						
				STUDIO__ **EMME** **UNA**_ _CASCATA ***DI***						
				*RITMI*_ **TEL**_ **081**_ 20*03*32*						
108.0	1408	02/07	I	Radio 24. OM talk AF 105.0 107.8 107.8	5245	RADIO_24	Good	E	MH	
108.0	1425	02/07	I	R Company. Pop	5A71	COMPANY_	Good	E	MH	
				RT 'AEV Radio Data System AS&T new feature Radio Text messages'						
108.0	1755	02/07	I	Radio Company. YL ID, pop			Fair	E	MH	
108.0	1747	07/07	I	Radio Company, Bari. Culture Club mix, id, Cindy Lauper mx			G pk	E	TB	

WHO USED WHAT

CF =	Colin Ferris	Beford, Bedfordshire	Sony M50RDS Portable & telescopic aerial.
DS =	Dave Small	Cannock, Staffordshire	Band 2 Sony ST-S311 (Modified) + Conrad Reader 8 ele Triax (H), & 5 ele Triax (V). OIRT Yaesu FRG9600 Scanner & half-wave dipole on roof.
JF =	John Faulkner	Sutton-in-Ashfield, Notts.	Sony SA3ES tuner (Filter mod to 110 / 50 kHz), 2 x Triax FM8 8 element beams (one horizontal, one vertical) each with Fringe Electronics 20dB pre-amps.
JK =	Jeff Kitching	Leeds, West Yorkshire	Grundig Satellit 700 tuner, 4 element beam.
MH =	Mark Hattam	Hayes, Middlesex	Sony SA3ES tuner, Triax 8 element beam 30' agl.
MHc =	Mark Hattam	West Cornwall holiday	Delco CDR500 car radio and whip aerial
** =	JF & TB	Sizewell B/Aldeburgh, Suffolk	Sony ST-SA3ES hi-fi tuner. Triax FM8 antenna (8 elements with dual reflector). Fringe Electronics 20dB pre-amp.
TB =	Tim Bucknall	Congleton, Cheshire	Sony SA3ES tuner (IF mod), HS Publications antenna & Fringe Electronics 22dB booster.

Best wishes and best DX!

Jeff Kitching

FM LOGBOOK at Sizewell B / Aldeburgh, Suffolk (28 July 2001)

Receiving equipment Sony ST-SA3ES hi-fi tuner. Triax FM8 antenna. Fringe Electronics 20dB pre-amp.

Locations Aldeburgh Beach, Suffolk (northside of Martello Tower). Approx 30' from the water's edge at about 20' asl; Also Sizewell Beach.

The antenna was pointing east all of the time. Our main target was to log lower power stations in Belgium and Germany. We didn't expect to hear locals from Holland as well and with such good signals! The German reception was not as good as last year but we logged different stations with the conditions moving over to NE Germany. There were Sporadic E conditions present virtually all the time too so occasionally we were limited to monitoring the high end of the band ... until Turkey, Greece and Lebanon took over everything in the evening!

We tried standing the aerial's base actually in the sea but only noticed the same reception with weaker signals. Just prior to bringing down the antenna at 2100 BST we noticed large increases in the strength of the German signals - up to 65dB. Oh - how much we wished we lived there!!!

87.8	D	Unid "www.radio Bisticaten"	99.7	F	Roc FM, St Omer
87.8	D	Unid "mention of NDR"	99.7	D	WDR-5, Kleve
87.9	D	NDR-4, Heide	99.8	D	NDR-2, Steinkimmem D382
88.3	BEL	R Donna, Brussels	99.9	DNK	DR-2, Rangstrup, 9C02
88.3	D	R Bremen 2, Bremen. D342	100.6	?	UNID. "The Max", "Strictly Weekend" Dutch
88.4	HOL	R West, Den Haag 8219 " __WEST__ "	100.6	D	R FFFN, Rosengarten. D388, " __ffn__ "
88.7	D	DLF, Hamburg. 3kW	100.8	D	R Bremen 4, Bremerhaven. D344
88.9	HOL	Noordzee FM, Amsterdam	100.9	BEL	Studio Brussel, Schoten
88.9	F	Fun R, Boulogne	101.0	HOL	NOS-1, Smilde
89.2	F	RTL-2, Lille	101.2	D	R Bremen 4, Bremen. D344
89.3	F	France Musique, Dunkerque	101.2	HOL	Radio 538, 83C7
89.3	D	R Bremen 1, Bremerhaven. D341	101.4	BEL	Studio Brussel, Genk
89.5	D	NDR-1, Hamburg	101.6	HOL	NOS-1, Weiringermeer
89.8	HOL	NOS-3, Weiringermeer. 8203	101.7	D	WDR-4, Kleve. 2kW
90.3	D	NDR-1, Hamburg	101.8	D	DLF, Aurich
90.5	BEL	RTBF-2, Liege	101.9	HOL	Omroep Zeeland, Goes. 841B "ZEELAND_ "
90.7	HOL	Classic FM, Lopik 83CE "Classic_ "	102.0	HOL	Fresh 102, Zoetermeer. 2kW
90.9	HOL	NOS-3, Roermond	102.0	D	DLF, Lingen or Kapaunberg
91.1	HOL	Business Nieuws R, Amsterdam or Rotterdam. 83D1	102.1	?	Strong Dutch briefly over Studio Brussel
91.2	F	France Musique, Unid site	102.3	F	NRJ, St Omer
91.5	HOL	Business Nieuws R, Driewegen 83D1	102.3	D	R FFFN, Steinkimmen. D388
91.6	F	Europe 1, Dunkerque	102.4	HOL	Noordzee FM, Terneuzen
91.6	D	N-Joy, Cuxhaven. D385	102.5	HOL	Noordzee FM, Tjerkgaast
92.1	HOL	NOS-2, Hulsberg	102.6	D	R FFFN, Cuxhaven
92.1	D	R Bremen-2, Bremerhaven. D342, "BREMEN_2"	102.7	HOL	Noordzee FM, Rotterdam 83C8
92.2	HOL	NOS-2, Weiringermeer. "Radio4NL"	102.9	D	RSH, Kaltenkirchen. D3E8, " __RSH__ "
92.3	D	NDR-4 Info, Hamburg. 5kW	103.0	HOL	R Ten Gold, Lelystad
92.6	HOL	NOS-2, Lopik "RADIO_2_ "	103.1	D	R FFFN, Braunschweig. D388 " __ffn__ "
92.8	BEL	RTBF-2, Profondeville	103.2	D	NDR-1, Rosengarten. D581, "NDR1_NDS"
92.9	D	N-Joy, Steinkimmen. 1kW D385	103.3	D	WDR, Langenburg
93.0	HOL	R Veronica, UNID site	103.3	HOL	Radio 10 Gold, Rotterdam
93.2	HOL	R 538, Tjerkgaast	103.4	D	DLF, Bremerhaven
93.4	HOL	R Rijnmond, Rotterdam. 841A	103.6	HOL	Yorin FM, many sites. 83D2. "YORIN_FM 103_6_FM"
93.5	D	N-Joy, Cloppenborg. 1kW D385	103.8	HOL	Yorin FM, Tjerkgaast. 83D2
93.6	HOL	R 538, Zwolle	104.1	D	Delta R, Bungsberg
93.7	BEL	VRT-2, St Peters Leeuw	104.2	BEL	AFN-1, S.H.A.P.E. (Hainaut) 4kW
94.0	HOL	R Den Haag, Hague. 8072 "DEN_HAAG"	104.3	HOL	Happy R, Haarlem. 200w
94.2	BEL	VRT-1, Schoten	104.3	D	R Wir Von Hir, Bremerhaven. 1342, "WIR_VON_ / __HIER_ / _RADIO_ "
94.3	HOL	NOS-1, Haarlem "R1-NOS_ "			
94.6	HOL	R Den Haag, UNID site	104.6	BEL	Radio-21, Tournai
94.8	HOL	NOS-4, Smilde	104.6	D	Hit R Antenne, Cuxhaven
95.0	HOL	NOS-3, Goes	104.7	F	France Inter, Calais
95.1	D	WDR-3, Langenberg	104.9	D	Hit R Antenne, Aurich. D389
95.3	F	France Musique, UNID site	105.0	BEL	Family R, Ostende. 6318. "MELODIE_ _105_FM_ _FAMILY_RADIO_ _OOSTENDE"
95.4	D	R Bremen 1, Bremerhaven "BREMEN-1"			
95.9	D	NDR-3, UNID site	105.2	?	UNID "R Excellent", Nootdorp? 50watts (Think Dutch)
96.0	F	RFM, Lille	105.3	BEL	Topradio Swing FM, Bruges ?
96.2	F	Europe 2, Dunkerque	105.3	D	NDR-? Info, Schwerin
96.3	D	NDR-2, Heide. D382	105.3	F	France Info, UNID site. " __INFO__ "
96.4	F	B-FM, Lille	105.4	G	NDR-1, Cuxhaven
96.4	BEL	VRT-3, Schoten	105.5	F	France Musique, UNID site
96.4	D	NDR-4, Aurich. D384	105.6	HOL	RGO Radio, Ooddord. 100w " __RGO__ "
96.5	F	Skyrock, St Omer	105.6	F	France Info, Calais
96.6	?	UNID Dutch language - 'The Rock Station'	105.8	BEL	R Houtland, Koekelare. 100w. 43FE. "105.8_FM / HOUTLAND"
96.8	HOL	NOS-3, Lopik. "TROS_3FM"			
97.0	?	"Contact FM". Dutch language	106.0	BEL	VBRO R, unid site. " __VBRO__ "
97.2	F	RFM, St Omer	106.2	D	D-Radio, Bremerhaven. "d-radio_ "
97.3	D	WDR-3, Kleve. D393	106.2	F	France Info, 3 sites in dept 77
97.4	F?	Presume France. Arabic programming	106.8	BEL?	"Top Radio" ID. Dutch. Kortrijk mentioned.
97.4	D	SWR-4, Linz	106.8	D	Alster R, Hamburg
97.6	HOL	R Noord Holland, Haarlem	106.9	?	UNID Dutch language. Rock musicin car.
97.9	D	NDR-2, Cuxhaven	107.1	?	Hit R Contact, UNID site. // 107.3
98.1	D	NDR-2, Aurich	107.1	D	DLF, Bremen.
98.3	HOL	City FM, Amsterdam. 86FD. "MUZIEK_ "	107.2	D	WDR-1, Ederkopf
98.4	D	NDR-1, Cuxhaven. 300w	107.3	BEL	Hit R Contact, various. 6314
98.5	D	NDR-2, Schwerin	107.4	D	Delta R, Kaltenkirchen
98.7	HOL	NOS-4, Hulsberg	107.4	D	SWR-4, Linz
98.7	D	N-Joy, Neumunster. 500w	107.6	?	UNID. "Best-New-Dance-Trance" ID
98.9	D	NDR-4, Bremerhaven. D384. 500w	107.6	BEL	R Bankenberge, Blankenberge
99.1	D	NDR-2, Helpterburg	107.7	D	DLR Berlin, Cuxhaven. D220 "D-RADIO_ "
99.2	D	NDR-3, Hamburg	107.7	HOL	UNID Dutch language, sounded like "RTL"
99.5	BEL	RTBF-3, Leige	107.9	BEL	VBRO Radio, Brugge
99.6	HOL	VLOH FM, Hoofddorp. 100w			

FM & Digital News Desk

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Hello and welcome to another edition of Newsdesk

New Transmitters

Galaxy FM have opened a new relay at Hexham, Northumberland on 105.8 MHz it is 150 Watts with mixed polarisation.

(Dave Thorpe/BDXC-UK)

BCR FM in bridgewater opened on the 4th of July on 107.4 MHz.

(Dave Thorpe/BDXC-UK)

The forthcoming Isle of man weekend-only station, Galaxy FM, will use 20 Watts on 98.6 MHz from the Carnane tx site.

(IOM newspapers via MET/BDXC-UK)

The forthcoming Reading Station will be on 106.9, applications for the license close on September the 11th. (Dave Kenny/BDXC-UK)

Sunderland Licence Pre-Advertised

The licence will be available for an eight year period from 1st January 2003.

The present licence, is held by Sun FM Ltd., broadcasting as Sun FM. This licence is due to expire on 31st December 2002, and provides coverage of an area with an adult (aged 15+) population of around 360,000. (The Radio Newsletter)

More Complaints for News Direct by Ashley Davies

A news item about foot and mouth disease prompted the largest number of complaints ever recorded by one of the UK's leading broadcasting watchdogs. More than 1,000 people contacted the Broadcasting Standards Commission to take issue with a report broadcast on the radio station, News Direct 97.3FM.

Listeners complained that the report - about a Chinese restaurant being the source of the disease - undermined the Chinese community in the UK. However, the BSC rejected their concerns.

The report suggested Nick Brown, then agriculture minister, was to announce a possible link between the outbreak and a Chinese food outlet. News Direct's defence was that every news organisation in the UK reported the story, which had originated in the press and was not denied by Maff. The BSC standards panel decided the report was balanced and had not intended to undermine the Chinese community or incite racial disharmony. (the British DX Club (BDXC-UK) From: <http://www.mediaguardian.co.uk/>)

Forever Broadcasting Acquires Peak

Forever Broadcasting plc, the Newcastle-based independent radio group has announced that it has acquired, conditional upon admission of the consideration shares, the entire issued share capital of Grand Central Broadcasting Ltd (GCB) which owns and operates the analogue radio broadcast licence for Chesterfield under the name of Peak 107FM.

The deal worth £4.82m will be satisfied as to £558,000 payable in cash and the balance by the issue of 3,207,600 new ordinary shares in the Company. In the year to 30 September 2000, being the latest date for which GCB has prepared audited financial statements, GCB recorded a turnover of £741,904, a loss on ordinary activities after taxation of £3,767, and at that time had net assets of £148,644.

In the RAJAR survey for the first quarter 2001, Peak had almost 94,000 listeners listening for 10.8 hours per week each, giving total listening of 1,013,000 hours per week. This survey was based on a survey area of 285,000 adults. The survey area has recently been expanded to 401,000 adults.

The RAJAR results for the third quarter 2001 will reflect listening in the enlarged area. The Directors of Forever are confident that they will be able to build on the operational performance of Peak and generate additional advertising revenues.

Application has been made for admission of the new ordinary shares of 50p each in the Company to be issued pursuant to the acquisition on the Alternative Investment Market of the London Stock Exchange. The new shares will rank pari passu in all respects with the ordinary shares of the Company.

Forever Broadcasting was established in September 1999 and currently owns four radio stations:

- * Juice 107.6FM in Liverpool which was acquired in November 1999 serving a population of 1.2m adults
- * Tower FM, broadcasting to Bolton and Bury which was acquired on 30th June 2000, now serving 415,000 adults
- * Surf 107.2 in Brighton which was acquired in December 2000 serving 311,000 adults
- * 107.7 The Wolf in Wolverhampton which was acquired in February 2001 serving 432,000 adults.

Commenting on the announcement, John Josephs, Chairman of Forever Broadcasting, said: "Peak has been broadcasting for less than three years and has already built a substantial presence in its marketplace. Peak has recently increased its survey area to 401,000 adults and we believe we can help the management team to develop the station's audiences, revenues and profitability. Unlike most UK radio markets of this size, Chesterfield is a market in which there is no significant competition from older established commercial radio services".

Barrie Evans, the first Chairman and one of the founders of Peak 107FM added: "We are delighted to be part of the Forever Broadcasting group of radio stations. Wayne Chadwick, Managing Director and I intend to remain with Peak to help build our business as the number one station for Chesterfield. Like us, the Forever team believe that local management is important in developing audiences and profitability, in a station such as Peak, and we look forward to working with them". (the Radio Newsletter)

GMG Awarded new Yorkshire Regional Licence

Guardian Media Group Radio has been awarded the Yorkshire regional radio license by the Radio Authority and will launch its successful Real Radio format early next year. The station, which has used the working name of Variety FM, will have a TSA of three million listeners and broadcast an entertaining mix of speech, sport and popular music from the past 40 years. The station will take in the cities of Sheffield, Leeds and Bradford.

It will become the third wholly owned regional commercial station owned by the group, following the successful launch of Real Radio in South Wales last October, which attracted an 11.5% share / 19.0 % reach (source: RAJAR Q1, 2001).

Last month GMG agreed to purchase Scot FM from The Wireless Group for £25.5M and they will develop a similar format for the station over the coming months. GMG have interests in Digital stations Smooth, Oneworld, Jazz FM and a 40% stake in Radio Investments Ltd.

The Yorkshire license is one of the last big regional licences to be awarded by the Radio Authority before it becomes part of the new regulatory body OFCOM.

Managing Director of GMG Radio, John Myers, said: "This transforms GMG Radio into a major radio force. It rewards GMG for its commitment to radio and we look forward to entertaining Yorkshire, from early 2002."

GMG Radio is part of the Guardian Media Group plc a broadly-based media group which publishes The Guardian and Observer newspapers.

Commenting on the award - David Witherow, Deputy Chair of the Radio Authority said: "This licence attracted impressive competition from a range of applicants. Members were faced with a very difficult decision. The level of interest, and the variety of approaches are further evidence of a strong belief in the continuing appeal of radio and the desire to offer more choice for local listeners."
(The Radio Newsletter)

Radio West awarded new NI Licence

The Radio Authority has awarded the new eight year FM licence serving the towns of Omagh and Enniskillen and the surrounding area, in the south-west of Northern Ireland, to Radio West FM. Radio West beat of three other rival bids for this licence, although one bid submitted by Westside 101 was disqualified due to a transgression of the cross-media ownership rules.

The station is proposing to offer a service of local radio service broadcasting a mix of easy listening, Irish country and current music with local news, community affairs, entertainment and information specially for listeners in Omagh, Enniskillen and most areas of Tyrone and Fermanagh.

Commenting on the award of the licence, Richard Hooper, Chair of the Radio Authority said: "The Authority is pleased to be able to award a licence for Omagh & Enniskillen. All three of the applicants met the statutory criteria for the award of licences and members were faced with a particularly difficult decision. We weighed up a whole range of considerations over a long meeting and will publish a detailed assessment of the winning application later this month."

Founding members of West FM are members of Q102.9 in Derry which launched in 1992. The group then went on to launch Q97.2 in Coleraine in January last year.

Managing Director of the Independent Q Network - Frank McLaughlin said: "This is an excellent achievement and we will make the regions count and be part of the commercial radio network"

Sales Manager, John O'Connor, said: "At Radio West FM we believe that 'the local voice is a welcome sound in a local community' and as part of the Q Network of radio stations that we will be 'Big enough to make a difference and small enough to care'

Radio West intend to be music led but with speech carefully blended in and relevant to the local needs. The idea is to make listeners to feel that the station is an important part of their lives and not just another jukebox on the radio, or another talking shop from outside the region. The West news team will have contact with fellow colleagues at Q102.9 and Q97.2 allowing a comprehensive focus on local and national news and sports.

The station is due to launch in January 2002

(The Radio Newsletter)

LITHUANIA

Here are the sites for the Lithuanian First Programme, Often heard relaying RFE:
88.0 - Plunge, 100.9 - Bubiai (Siauliai), 101.9 - Viesintos, 102.9 -Visaginas.

(Bernd Trutenau)

NETHERLANDS

There is an excellent new source of Information on broadcasting in The Netherlands on the Internet at www.radiowereld.nl/fmtv

It contains information on FM, AM and TV

(Ruud Brand)

RUSSIA

Radio broadcasters in Russia can now use the 92.0 to 100.0 MHz band. Permission will be no longer granted to broadcast using TV [VHF] channels 4 and 5 which "interfere" with FM. During the time when the fourth television channel is still in use, radio stations will use the 92.0-100.0 MHz band, but when television is not operating, radio can operate at 88.0 - 92.0 MHz. In this connection, cable TV operators have been instructed to leave the fourth and fifth TV channels and to use other bands and frequencies.

(Source: Voice of Russia web site, Moscow, in Russian 19 Jul 01 via BBCM via DXLD)

Until next month, take care, and if you have any news email me at timbucknall@btinternet.com

RSL UPDATE

Updated 4 August 2001

Compiled by IAN KELLY (27 Barton Road, Tilehurst, Reading RG31 5NJ, UK; e-mail: iankelly@iname.com)

This list is continually updated at the Skywaves website (www.skywaves.co.uk), where email and web addresses for many of these stations can also be found.

Location	Freq	Station	Date On	Date Off	Telephone	Details (and contributor details)
Abergavenny*	87.7*	Abergavenny/ Y-Fenni FM	Jan 02	Feb 02	01495 752332	First community radio project in Abergavenny (James Vertigan)
Alderney	87.7	Quay FM	23/07/01	19/08/01	01481 822846	Alderney Week
Arundel	87.7	Wick FM/Arundel FM	13/08/01	02/09/01	07956 670422	Wick and Arundel Festivals
Ashford	106.5	Ashford FM	16/07/01	12/08/01	01494 688200	Trial
Ballymena	107.0	7 Sound Radio	04/08/01	31/08/01	02825 650750	Trial
Barnsley	87.7	YMCA Radio Barnsley	09/07/01	05/08/01	01226 213121	Community broadcast
Belfast	106.2	Triple FM	16/07/01	12/08/01	028 9031 3440	August Feile an Phobail
Birkenhead	106.2	Flame FM on the Wirral	01/09/01	28/09/01	0151 678 0435	Christian radio service
Birmingham	105.2	Washwood Heath YIP FM	21/07/01	17/08/01	0121 328 8361	Youth project in the Washwood Heath Ward of Birmingham
Birmingham	87.7	Shine FM	03/09/01	14/09/01	0121 331 5719	On-air training
Bournemouth	87.7	K1 FM Dance	04/08/01	31/08/01	01202 317070	Entertainment complex opening; Gay Pride weekend; Scottish festival weekend
Cheltenham	106.8	Greenbelt FM	22/08/01	28/08/01	01332 221379	Greenbelt Festival
Clevedon	106.6	Curzon FM	04/08/01	19/08/01	07721 785817	Clevedon media event
Cowes	106.2	Conference Radio	03/08/01	26/08/01	01489 578850	Cowes Week Yachting Regatta
Clevedon	106.6	Curzon FM	04/08/01	19/08/01	07721 785817	Clevedon media event
Duxford	107.3	Airshow Radio	07/09/01	09/09/01	07970 226325	Duxford Airshow
East Lulworth	87.7	The Big Chill	17/08/01	20/08/01	020 7688 8081	The Big Chill Festival multi-media event
Eastbourne	87.9	Radio Airbourne	13/08/01	19/08/01	01323 415407	Eastbourne Airshow
Edinburgh	107.5	Edinburgh Festival Radio	12/08/01	02/09/01	0131 337 2614	Annual Edinburgh Festival
Falmouth	107.0	CKFM Kernow	07/07/01	03/08/01	01326 290240	Trial
Glasgow	107.5	Cyclone FM	06/08/01	24/08/01		Promotion of training and employment opportunities
Gloucester	105.6	Gloucester FM	16/07/01	12/08/01	07939 284467	Gloucester City Festival & Jamaican Independence Celebrations
Goodwood	87.7	Goodwood Festival	13/09/01	16/09/01	01295 262000	Goodwood Revival
Greenock	87.7	Inverclyde FM	12/08/01	18/08/01	07798 891088	Sea Trek 2001
Hastings	107.0	Hastings FM	02/08/01	27/08/01	07973 101147	Covering various local events
Huntingdon	87.7	Huntingdon	03/08/01	20/08/01	01487 823424	
Hythe	95.1	Hythe FM	10/08/01	15/08/01	07976 921465	Hythe Venetian Fete
Kenilworth	87.7	Nationals FM	20/09/01	23/09/01	01858 525336	British Dressage National Championships
Kingston upon Hull	106.8	Crystal Radio	04/08/01	31/8/01	01924 298298	Trial
Kirkby in Ashfield	87.7	Ashfield FM	30/07/01	12/08/01	01773 781396	Ashfield Festival
Leeds	107.7	Radio Kalaam	28/07/01	24/08/01	07989 193446	Media training and Pakistan Independence Day on 14 August
Leicester	106.6	Juicy FM	06/08/01	02/09/01	0116 221 1793	Education and training initiative
Lincoln	87.9	Siren FM	17/09/01	07/10/01	07769 586496	Fresher's week and launch of new University name
London SW, Battersea	87.7	Fundamental FM	20/08/01	09/09/01	020 8658 7704	Youth training project
London W, Acton	87.7	Justice FM	08/08/01	19/08/01	020 8246 9763	Summer scheme project (James Vertigan)
London W10	87.7	Avenues FM	10/09/01	30/09/01	020 8969 9552	Youth project/training
Luton	107.7	Diverse FM	01/09/01	28/09/01	01438 242194	Promote community and volunteer groups
Manchester	87.7	Kerrang	07/08/01	28/08/01	0207 436 1515	Kerrang Awards - series of gigs / promotions/interviews in period around awards
Manchester	106.2	Fuse FM	15/09/01	12/10/01	0161 275 2041	Students service
Middlesbrough	107.4	Southside FM	24/07/01	12/08/01	01522 886245	Promote health and local arts
Minster on Sea	87.9	Swale Sound	04/08/01	31/08/01	020 7647 7605	
Newquay	105.5	Malibu Surf FM	23/07/01	19/08/01	01637 878298	Information service for holidaymakers/surf festival
Newton Abbott	87.7	New Life Radio	28/07/01	10/08/01	01392 219499	New Life Conference & training for presenters
Northampton	105.8	Inspiration FM	16/07/01	12/08/01	01604 250544	Trial

Nottingham	87.9	Radio Kiran	20/08/01	16/09/01	0115 8440047	Training and information for Asian community
Nottingham	97.5	URN FM	23/09/01	20/10/01	0115 935 1122	Freshers service
Orpington	87.7	Fusion Cray Youth Radio	09/08/01	02/09/01	020 8302 4144	Youth project
Paignton	106.6	Sol 106.6	18/07/01	14/08/01	0797 9371473	Paignton Festival
Paisley	107.2	FPR 107.2 FM	09/07/01	05/08/01	0141 889 2306	community events
Peterborough	106.2	Kingdom Faith Camp Radio	27/07/01	03/08/01	01293 851543	Faith 2001 (annual bible week at the East of England Showground)
Poole	106.6	Shore FM	11/08/01	21/08/01	07951 126236	British Powerboat Grand Prix Round Four
Portsmouth	87.9	Angel Community Radio	04/08/01	31/08/01		Service for elderly listeners
Rockingham	87.7	Radio Rockingham	19/09/01	23/09/01	01295 262000	Champ Car Motor Race
Shepton Mallet	87.7	New Wine Radio	28/07/01	11/08/01	020 8922 0021	Annual Christian conference
Stoneleigh Park	106.6	Stoneleigh FM	27/07/01	10/08/01	01276 670650	Two holiday bible weeks
Swindon	107.0	Swindon Radio	01/09/01	28/09/01	01793 770929	Trial
Walesby	106.5	Radio Woodcraft	28/07/01	10/08/01	07779 223741	Woodcraft Folk Int'l Camp 2001
Walsall	87.7	Walsall FM	30/07/01	26/08/01	01922 722269	Trial
Whitchurch	87.7	Clock Radio	25/08/01	02/09/01	01948 666161	drug/alcohol awareness campaign within community
Wishaw	87.7	European Tour Radio	24/09/01	30/09/01	01344 840400	The Ryder Cup
Withernsea	107.3	Seaside Radio 107.3 FM	20/08/01	24/08/01	01964 603049	Community Event
Wolverhampton	106.6	Wolverhampton Campus Radio	31/08/01	27/09/01	01902 572260	Freshers' service and to help raise the profile of the college



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Usual Deadline: 1st of the month

Stations are receivable in clear MPEG (SR27500 & FEC 3/4), or clear PAL, unless stated otherwise.

BIRDS ON THE MOVE

Astra 2C has left 32.5 degrees East, and is moving west.

("LyngSat Weekly Updates" via SCDX)

Eutelsat II F1, Europe*Star B (48° East)

Magic TV (Italy) is now present on 11.598 GHz (h), (SR 2897, FEC 1/2).

(SATCO DX)

ASTRA 2 A-B/D, EUTELSAT 2F4 & EUROBIRD (28.2° East)

On Eutelsat's Eurobird Best Direct has started on 11.585 GHz. ("LyngSat Weekly Updates" via SCDX), and an Energis promo has started on 12.285 GHz v (SR 27500, FEC 2/3).

(Steffan Hagedorn Transponder Updates)

Best Direct Shopping replaced Test Card at 11.585 GHz (h) in MPEG2 clear in English. (SR 27500, FEC 2/3).

(SATCO DX)

SKY TV NEWS

Boots and Granada are planning to reduce the broadcasting hours of their jointly owned health channel Wellbeing and cut back original programming. Despite a high profile launch in March, the channel only averages around 12,000 viewers. The changes will be implemented this autumn.

("What Satellite TV" via SCDX)

Sky Digital now offers 240 channels, including 22 channels wholly-owned by Sky, 16 joint venture channels, 68 third party channels retailed by Sky, 82 audio/radio channels and 37 free-to-air channels. Pay-per-view sports service U>Direct Sports has moved from channel 820 to channel 432. Music station Q on channel 455 has been encrypted and now forms part of Sky's Family Package. Sky's analog service will finally be shut down in September, the broadcaster has confirmed. ITV has renamed its regional channels in Scotland and Northern Ireland from S2 and You TV to ITV2.

("What Satellite TV" via SCDX)

Channel East has stopped transmissions on 11.973 GHz.

(Christian Lyngemark in "Aftonbladet" via SCDX)

IRELAND

Four new Irish digital TV channels are expected to launch over the next 18 months. RTE is preparing plans for a 24-hour news channel, an education channel, a kids channel and another providing live coverage of the Northern Ireland Assembly, Dail debates and committees. The news channel would reportedly differ from existing services by transforming to a sports channel at weekends, featuring live broadcasts of sports events of Irish interest.

("What Satellite TV" via SCDX)

Arabsat 2A, 3A (26° East)

The following three new channels are now present on 11.747 GHz (v) in Arabic.

1. Jordan Satellite Channel instead of MTV Liban.
2. Test Card instead of Al-Mustakillah TV.
3. Radio Jordan.

Similarly on 11.767 GHz (h) you can hear Yemen A3; Bahrain A2 & Bahrain A3, all MPEG clear. (SATCO DX)

Five new channels can be found on 12.015 GHz (v) in MPEG2 clear and these are:-

1. MTV Liban in Arabic.
2. Sahar Universal Network in Farsi.
3. Jam-e-Jam Network 1 in Arabic.
4. BBC World Service Arabic in Arabic
5. BBC World Service in English.

(SATCO DX)

Radio Jordan has left 12.034 GHz (h).

(SATCO DX)

ASTRA 1 D, (24.2° East)

The test-card on 10.744 GHz h is no longer present.

(Steffan Hagedorn Transponder Updates)

Astra 1A,1B,1C,1E,1F,1G,1H (19.2° East)

QVC UK has ceased on 11.038 GHz v. Transponder 8, 11.320 GHz v (Sky One) has moved from Astra 1A to Astra 1C. Astra 1A is now complete empty. (Steffan Hagedorn Transponder Updates)

Sky News Info Card and Virgin Radio at 11.377 GHz (v) PAL) have left.

(SATCO DX)

WDR 4 has started on ASTRA 1 B, 11.568 GHz v (Bloomberg TV UK/B1), sound sub-carriers 7.38/7.56 MHz, and on ASTRA 1 B, 11.656 GHz v (ORB), sound sub-carrier 7.38 MHz, Voice of America Balkans has closed. (Steffan Hagedorn Transponder Updates)

CNBC Europe is now using 11.954 GHz (h) in MPEG2 clear in English.

(SATCO DX)

Polonia 1 and Super 1 are transmitting in the clear on Astra 1G on 11.992 GHz. (Christian Lyngemark in "Aftonbladet" via SCDX)

Liberty TV.com is now present on 12.610 GHz (v) in MPEG2 clear in German. (SR 22000, FEC 5/6)

(SATCO DX)

TVGE 1 Service at 12.703 GHz (v) has changed its Symbol Rate to (SR 3543, FEC 3/4).

(SATCO DX)

Hot Bird 1-5 (13° East)

Stream Verde now using 10.990 GHz (v) in MPEG2 clear in Italian. This channel has left 11.977 GHz (h).

(SATCO DX)

Four new channels are now present on 10.949 GHz (v) in MPEG2 clear in Greek.. These are Alpha Digital Promo, Alpha Cinema Promo, Magna Promo and Alpha Life Promo (SATCO DX)

TV 5 Europe, France Info, France Inter, France Culture, Radio Maria and RMC Moyen Orient have started on 11.406 GHz v (ex CANAL+ Horizons). (Steffan Hagedorn Transponder Updates)

Canal 24 Horas has stopped PAL broadcasts on Hot Bird 2 11.785 GHz. There is a new Spanish package on that transponder, including TVE Internacional, Hispavision, Canal Clasico, Canal Nostalgia, and Canal 24 Horas. There are also five radio channels. (Christian Lyngemark in "Aftonbladet" via SCDX)

Radio Vaticana is now present on 11.804 GHz (v) in MPEG2 clear in French. (SR 27500, FEC 2/3).

(SATCO DX)

Marchio Italiano Promo replaced Italia Sat at 12.092 GHz (h) in MPEG2 clear.

(SATCO DX)

Thai TV Global is now broadcasting on Hot Bird 3 on 12.111 GHz, along with its older Hot Bird 4 channel of 12.673 GHz.

(Christian Lyngemark in "Aftonbladet" via SCDX)

ARY Digital (formerly The Pakistani Channel) has started test broadcasts on 12.476 GHz.. Asianet UK has closed on Hot Bird 5 on 12.565 GHz. Liguria Sat has replaced TeleGenova Sat on 12.520 GHz and Italia Sat has left 12.092 GHz on Hot Bird 2.

(Christian Lyngemark in "Aftonbladet" via SCDX)

Ligura Sat replaced Tele Genova Sat at 12.520 GHz (v) MPEG2 clear in Italian, and BVN TV has left.

(SATCO DX)

VORJ radio is back at 12.597 GHz (v) in MPEG2 clear in Russian.

(SATCO DX)

Eutelsat W1 (10° East)

RTK Pristina is now present on 11.133 GHz (h) in MPEG2 clear in Croatian. SR 5632, FEC 3/4).

(SATCO DX)

Eutelsat W3 (7° East)

EuroNews has moved from 11.387 (h) to 11.554 GHz.

("LyngSat Weekly Updates" via SCDX)

THOR/THOR II A/THOR III, (0.8° West)

P4 - Radio Hele Norge has started on 11.247 GHz v (SR 24500, FEC 7/8).

(Steffan Hagedorn Transponder Updates)

Telecom 2A, 2D (8° West)

A test-card has replaced VTV 4 on 11.556 GHz h.

(Steffan Hagedorn Transponder Updates)

Tiziana Sat and Radio San Marino now present on 12.683 GHz (v) in MPEG2 clear in Italian. (SR 3254, FEC 3/4), and on 12.687 GHz (v) Elpitel Test Card has replaced Italia Sat in MPEG2 clear. (SR 1879, FEC 3/4). (SATCO DX)

Canal + France at 12.648 GHz (v) in SECAM has left, and in MPEG Elefente Telemarket at 12.696 GHz (v) and Digitaly at 12.699 GHz (v) have also left. (SATCO DX)

Thanks this month go to SATCO DX Updates. Steffan Hagedorn Transponder Updates and Sweden Calling Dxers (SCDX)

Good viewing, and see you all next month.

Dave.

PIRATE LOGBOOK

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Hello and welcome to another edition of Skywaves Free Radio Page

IRELAND - Firstly some excellent Irish loggings from Ian Biggar

94.1	Energy 94 Dublin (tent)	Dance music including Alice DJ track. 1310 hrs #
100.0	Radio Dublin	1255 hrs, Country music, weak signal #
103.9	WABC, County Donegal	1341 hrs, Oldies and commercials, fair strength *
105.1	Magic 105, County Monaghan	1355 hrs non stop music, ID's commercials, good peaks *
105.2	TCR, County Donegal	1403 hrs, Country and Irish, ads for Strabane, fair *
105.8	Kiss FM Dublin	1410 hrs, Dance music Good. *
106.0	Kiss FM Dundalk,	1351 hrs, Hits, commercials ID's good *
106.6	Energy 106, County Monaghan	Non stop dance, commercials, ID's very strong peaks. *
106.8	TCR, County Donegal	//105.2 *

* = heard on 11/6/01 on Mauchline Hill, East Ayrshire. # = heard on 18/6/01 in the South Lake District

North West Round-up - The following were logged by Gary Hogg in Poulton, Lancashire on a Grundig Sat. 700

105.9	Sound FM (Merseyside)	Dance music reg Fri and Sats (Thursday 21/06 and Friday night 22/06)
106.0	Bliss FM (West Lancashire)	Dance Music aimed at clubbers (22/06)
106.1	Bliss FM (West Lancashire)	(Saturday night 23/06)
106.2	Lazer UK (Merseyside)	(Sunday night 24/06) Dance music on most Sundays from 2000 - 0000.
106.5	Delta Tower (?) (West Lancs)	(Saturday afternoon 23/06 & Sunday night 24/06)
107.2	Planet 107 (West Lancs)	(Saturday 23/06 and Sunday 24/06 night) Dance Music

Midlands Report - From John Faulkner

87.9	Unid, Birmingham	01/07/01
107.5	Sting FM, Birmingham	01/07/01

And that's all the space we have this month. Keep your logs and news coming in, and I'll see you next time. Tim

Membership: Skywaves is published ten times a year - once a month, with the exception of March and December. It is now published in two forms: the conventional A4 paper version, sent by post, and the new electronic e-zine version, which can be downloaded by members via the Internet and read/printed on a computer using Adobe Acrobat Reader. Subscriptions to the British FM & TV Circle, who publish Skywaves, now run from January to November/December. The charges are as follows (based on ten issues):-
Post: 1st class UK £7.80, 2nd class UK £7.10, Europe £11.00, USA £20.00 / \$30.00 (elsewhere please enquire).

E-zine: FREE to members. There is also no extra charge to join the early DX warning system.

Cheques/PO's should be payable to Skywaves. All subscriptions should be sent to 27 Barton Road, Tilehurst, Reading RG31 5NJ, UK. Membership enquiries should also go to this address, or can be sent via e-mail to: skywavesmembership@iname.com.

Funds from overseas MUST be made out in STERLING, and MUST be drawn on a UK bank, unless a Eurocheque is used. No personal cheques can be accepted from outside the UK. Members who join midway through the year are charged a pro-rata rate from the month of joining to November/December. We plan to have a facility for payment by the new euro, which has now been introduced.

The Deadline for sections is the 1st of the month, unless otherwise stated. Skywaves is compiled using Microsoft Word 98 for Mac. Electronic contributions can be sent in this, or any Word format, as RTF, plain text, or in an e-mail. Written contributions are also 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. Note - "On Screen" deadline is the 25th of the month.

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