

SKYWAVES

Produced by the British FM & TV Circle

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DX News, Loggings and
Information for FM & TV
DXers



Hello and welcome to Skywaves 116.

Leonids Meteor Shower

is due to make its annual display this week. The following article is from the Armagh Observatory website and is one of the best explanations I've seen.

Trail encounter

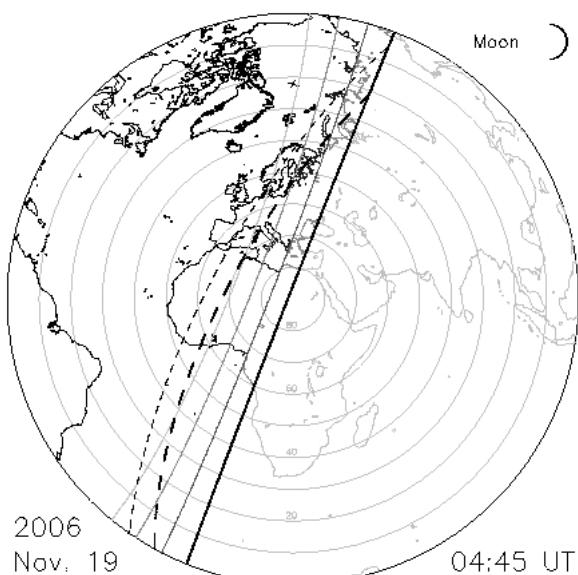
The Leonids are the debris of Comet 55P/Tempel-Tuttle. Every 33 years or so, the comet returns to the inner solar system and releases material that forms into a new dust trail. The Earth's passage right through the centre of trails is associated with the most spectacular meteor displays (studies show that, as well as how close to the centre of the trail you are, the strength of the display also depends on how far along a trail's length you are). For example, in 2001 November and again in 2002 November, the Earth passed very near the centre of the trail released at the 1866 return (i.e. 4 revolutions of the comet ago), as well as near other trails, producing meteor storms.

In 2006, on November 19th, the Earth passes very close to the centre of the trail created at the comet's 1932 return (i.e. 2 revolutions ago), as can be seen in the schematic plot by David Asher. More detail of the Leonid stream's cross section encountered by the Earth in 2006 can be found from Jeremie Vaubaillon's computer modelling. The encounter with the 1932 trail will lead to enhanced meteor activity: a nice outburst, but below storm level.

Time of maximum on November 19th

The calculated peak time of the outburst is 04:45 UT (Universal Time = Greenwich Mean Time). It will probably not last very long (i.e. meteor activity will rise and fall quite sharply) and so to see it you need to be in the right part of the world. You need it to be night-time, and you need the radiant (the point in the constellation Leo where the meteors radiate from) to be above the horizon.

In the following diagram, created by Robert H. McNaught (Australian National University), the regions shown are facing the radiant. However, the right hand half of the map is in daytime and the three bands down the middle are (right to left) civil, nautical and astronomical twilight. (The dashed lines denote moonrise and "lunar civil twilight", but in any case, the moon, being close to new, will not be a problem for this year's Leonids.)



The closer you are to the centre of the map (without being so close that it is daytime), the better, as Leo will be higher in your sky. So regions well over to the west of Europe and the west of Africa are favoured, although the outburst can also be seen from some east parts of North and South America. The peak time 04:45 UT is for the geocentre. Approximate corrections for various locations are as follows:

E Brazil	-7 mins
W Africa	-2 mins
S Spain	0 mins
UK	+4 mins
NE Canada	+5 mins
Scandinavia	+6 mins

This topocentric correction is described by McNaught and Asher (1999); see paper 332 of Armagh Observatory Reprint Series. These adjustments (a few to several minutes) are not enough to affect when you should observe, but if there are accurate observations it will be scientifically interesting to assess observed times of maximum. Overall, the prediction of the peak time should be accurate to +/- 10 mins and more likely +/- 5 mins. You may like to start observing an hour before the peak, or more for keen people, less for the extremely lazy (and all depending on what your local conditions allow).

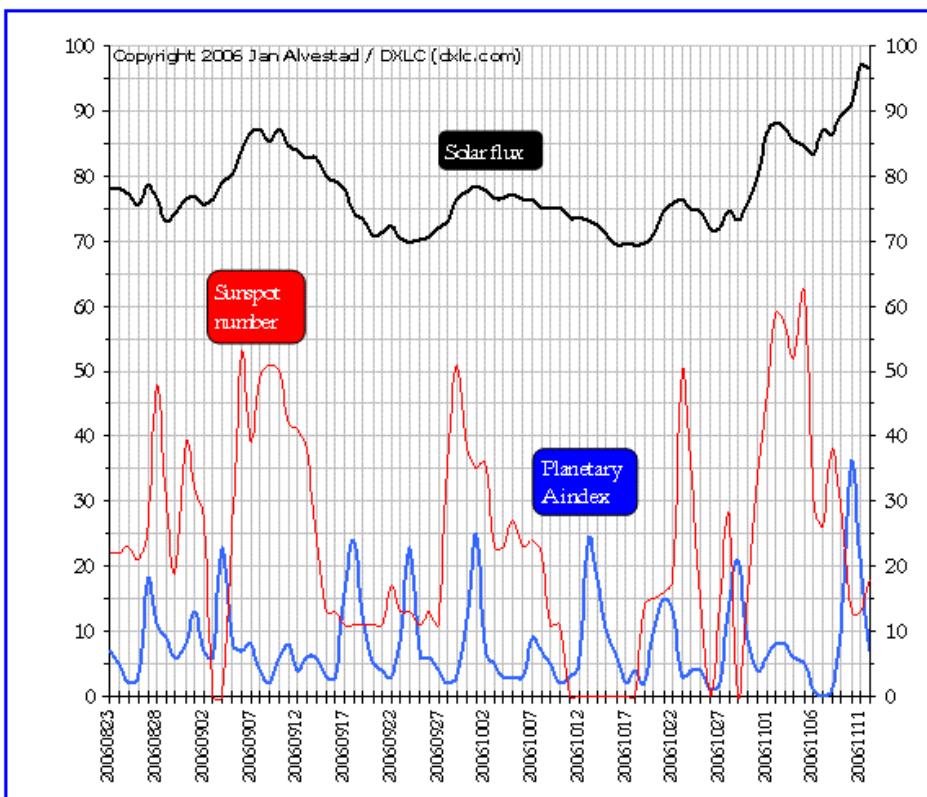
Expected meteor rates

The closest parallel is a Leonid outburst in 1969. Based on this, McNaught and Asher (1999), paper 330 of Armagh Observatory Reprint Series (note that this is a different 1999 paper from the topocentric correction paper described above) predicted the peak ZHR (Zenithal Hourly Rate = number of meteors visible to someone who has perfect observing conditions; real rates are usually somewhat smaller) for the 2006 outburst as 150. We seem to have inadvertently publicised the value 100 many times in the last few years; note that 150 was the intended value. In fact, owing to rounding errors, to uncertainty in the exact ZHR seen in 1969, and to other sources of uncertainty, it cannot really be said that 150 will be right and 100 will be wrong. In fact an empirical correction for how much the trail diffuses during each revolution (this correction means the data are fitted better) reduces the value of 150 to around 120. We can adopt 120 (or, less precisely, 100 to 150) as the best estimate. For comparison, "meteor storm level" is often conventionally regarded as ZHR above 1000.

Apart from the encounter with the 1932 Leonid trail, there is a background to the Leonid shower for more than a week, at rather low rates (e.g. ZHR of 10 or so). Serious enthusiasts can observe for at least a few nights before and after the outburst, starting when Leo rises, in the middle of the night, until morning twilight.

Meteors in the outburst are expected to be quite faint, as in 1969; this makes it even more important than usual to be well away from artificial light pollution.

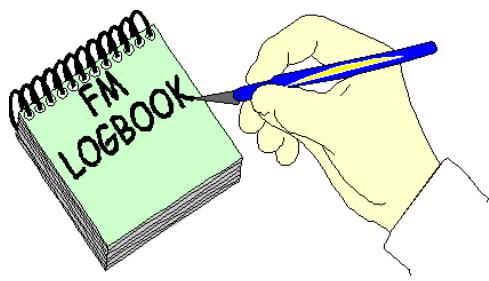
Last Revised: 2006 August 22nd
WWW contact:webmaster@arm.ac.uk



Solar Chart courtesy of
Jan Alvestad
DX Listeners Club
Norway
www.dxlc.com



Edited by –
VACANCY
Deadline – 1st of every month



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Standard Deadline – 1st of every month

Sporadic E logbook

FREQ	TIME	DATE	ITU	STATION	RDS CODE	SIGNAL	M	RP
87.5	1020	21/10	E	Evolution FM, Valdemoro. Music RT:**EVO*** *LUTION*	E0E1	good	E	MF
87.5	1218	23/10	E	Hispanidad Radio, Huelva. Talking	A03C	Hispanid	strong	E
87.5	1110	24/10	E	Radio Pinomar, Alhaurín de la Torre. Talks RT:PINOMAR EMISORA CULTURAL MALAGA	5158	good	E	MF
87.5	1109	25/10	E	Radio Pinomar, Alhaurín de la Torre. Ads & jingle ID RT:PINOMAR EMISORA CULTURAL MALAGA	5158	good	E	MF
87.5	1113	25/10	E	Evolution FM, Valdemoro. Music RT:**EVO*** *LUTION*	E0E1	good	E	MF
87.5	1137	25/10	E	Evolution FM, Valdemoro. Music and Talking	E0E1	**EVO**	v strong	E
87.5	1140	25/10	E	Radio Pinomar, Alhaurín de la Torre. Talking	5158	RADIO_	v strong	E
87.5	1145	25/10	E	Hispanidad Radio, Huelva. Music	A03C	RPINOMAR	good	E
87.5	1153	25/10	E	Hispanidad Radio, Huelva. Talking	A03C	good	E	MF
87.5	1405	29/10	I	Radio Norba, Casacalenda. Music	5353	**_HR_**	v strong	E
87.5	1428	29/10	I	Radio Subasio, Monte Cucco. Music and Talking	53FD	R-NORBA_	v strong	E
87.5	1511	29/10	I	Radio Universal, Verona. Talking	5171	_SUBASIO	v strong	E
87.6	1156	29/10	???	???, ???. Unattended rx Part PS:??DS_??	A000	strong	E	WK
87.6	1155	21/10	ALG	Radio Essouhoub / Chaîne 3, Aflou. Talks/music //Internet		good	E	MF
87.6	1415	22/10	ALG	Radio Essouhoub / Chaîne 3, Aflou. Talks/music //Internet		good	E	MF
87.6	1125	25/10	ALG	Chaîne 3, Kef El Khal. Music		v strong	E	WK
87.6	1005	21/10	E	RNE 1, Benidorm. Talks	E211	RNE_1_	good	E
87.6	1005	21/10	E	SER Mora d'Ebre, Mora d'Ebre. Music	E039	SER_	good	E
87.6	1100	21/10	E	Cadena 100, Córdoba-Lagar de la Cruz. Music/Talks	E0CB	good	E	MF
87.6	1110	21/10	E	Kiss FM, Plasencia. Music	E2EC	KISS_FM_	good	E
87.6	1105	24/10	E	RNE 5, Sierra Elvira. Talks	EB15	RNE_5_	good	E
87.6	1110	24/10	E	Cadena 100, Córdoba-Lagar de la Cruz. Music RT:CAD-100_CORDOBA	E0CB	good	E	MF
87.6	1110	25/10	E	RNE 5, Sierra Elvira. News	EB15	RNE_5_	good	E
87.6	1126	25/10	E	Kiss FM, Plasencia. Music and Talking	E2EC	KISS_FM_	v strong	E
87.6	1130	25/10	E	Catalunya Informació, Soriguera. Talking	E234	CATINFO_	v strong	E
87.6	1140	25/10	E	Kiss FM, Plasencia. Music	E2EC	KISS_FM_	good	E
87.6	1145	25/10	E	Candil Radio, Huercal de Almeria. Talking	EB02	Candil_	v strong	E
87.6	1030	22/10	GRC	Laikos FM, Thessaloniki. Traditional Greek music foll. by voice ID		good	E	MF
87.6	1415	22/10	GRC	Laikos FM, Thessaloniki. Folk music		good	E	MF
87.6	1039	29/10	GRC	Radio Stagon, Kalambaka. Unattended rx	10C3	good	E	MF
87.6	1342	29/10	I	Radio Speranza, Pescara. Music and Talking	A000	RADIO_	v strong	E
87.6	1437	29/10	I	M20, Bari. Music and Talking	5233	SPERANZA	v good	E
87.6	1050	21/10	POR	Seixal FM, Seixal. Talks	8042	_M_DUE_0	good	E
87.6	1128	23/10	POR	Seixal FM, Seixal. Music	8042	_R_D_S_	good	E
87.6	1221	23/10	POR	Seixal FM, Seixal. Music and Talking	8042	_R_D_S_	good	E
87.6	1135	24/10	POR	Seixal FM, Seixal. Music and Talking	8042	_R_D_S_	strong	E
87.6	1213	25/10	POR	Seixal FM, Seixal. Ads & jingle ID	8042	strong	E	WK
87.6	1226	25/10	POR	Seixal FM, Seixal. Music and Talking	8042	_R_D_S_	good	E
87.6	0958	22/10	S	SR 1. Unknown. Talking	E201	_R_D_S_	v strong	E
87.7	1155	21/10	ALG	Radio Chlef / Chaîne 3, Chlef. Talks/music //net stream		SR_P1_	v strong	E
87.7	1210	23/10	ALG	Radio Chlef / Chaîne 3, Chlef. Discussion prog		good	E	MF
87.7	1130	24/10	ALG	Radio Chlef, Ain Nsour. Music and Talking		good	E	MF
87.7	1050	21/10	E	Europa FM, Alcalá de Henares. Music	E5ED	strong	E	WK
87.7	1055	21/10	E	Kiss FM, Jerez de la Frontera. Music	E200	KISS_FM_	good	E
87.7	1110	24/10	E	Europa FM, Alcalá de Henares. Music	E2ED	EUROPAFM	good	E
87.7	1115	24/10	E	Kiss FM, Jerez de la Frontera. Music	E200	KISS_FM_	good	E
87.7	1113	25/10	E	Kiss FM, Jerez de la Frontera. Music	E200	KISS_FM_	good	E
87.7	1142	29/10	I	R Venere, Specchia. Music and Talking	5A4A	v good	E	MF

103.2	0535	28/10	F	France Bleu Berry Sud, Bourges (18). Talks	F505	BLEU.BER	good	T	MF
103.6	0718	15/10	NOR	Kanal 24, Hovdefjell. Talking	F21A	KANAL_24	v strong	T	WK
103.6	1145	15/10	NOR	Kanal 24. Still at RDS levels, Hovdefjell. Talking	F21A	KANAL_24	v strong	T	WK
103.6	1651	15/10	NOR	Kanal 24. Still very strong sigs, Hovdefjell. Talking	F21A	KANAL_24	v strong	T	WK
103.7	1905	15/10	D	NDR Info, Cloppenburg. om talk			v good	T	PT
103.7	1141	14/10	F	France Inter, Lille. Talking	F201	__INTER__	fair	T	WK
103.9	0500	31/10	F	RFM, Paris/Tour Eiffel (75). News	F212	__RFM__	good	T	MF
104.0	1917	08/10	D	Big FM, Koblenz. pop music			v good	T	PT
104.3	1303	08/10	D	HR 4, Biedenkopf. om talk	D364	__hr4__	v good	T	PT
104.3	0645	29/10	D	hr4, Biedenkopf/Sackpfeife. Talks	D364	__hr4__	good	T	MF
104.4	1755	14/10	F	Contact FM, Hesdin (62). Music	F931	CONTACT_	good	T	MF
104.6	1755	14/10	BEL	RTBF Classic21, Tournai. Music	6354	CLASS.21	good	T	MF
104.6	2125	30/10	BEL	RTBF Classic21, Tournai. Music	6354	CLASS.21	good	T	MF
104.8	1305	08/10	D	HR1, Rhon. yl talk			v good	T	PT
104.9	1705	15/10	D	Hit Radio Antenne, Aurich. yl ann. pop music			good	T	PT
104.9	1653	15/10	NOR	P4 R Hele Norge, Greipstad. Talking	F214	P4_NORGE	v strong	T	WK
105.0	0730	08/10	D	Deutschlandradio, Neunkirchen (Saar)/Kuchenberg. Talks			fair	T	MF
105.0	2100	30/10	D	Hit Radio FFH, Krehberg. Music RT: HITRADIO __F_F_H__	D368		good	T	MF
105.0	0730	02/10	F	France Bleu Touraine, Tours (37). Music	FD05	BLEU.TOU	good	T	MF
105.0	0800	08/10	F	France Bleu Touraine, Tours. Talks/music	FD05	BLEU.TOU	good	T	MF
105.3	1300	08/10	D	B5, Kreuzberg. news	D315		good	T	PT
105.5	0732	08/10	D	Eins Live, Teutoburger Wald/Bielstein. Talks			good	T	MF
105.5	1907	08/10	D	WDR eins live, 2 sites listed. pop music			good	T	PT
105.5	0450	13/10	D	Eins Live, Teutoburger Wald/Bielstein. Music //internet stream			good	T	MF
105.5	2100	30/10	D	WDR Eins Live, Teutoburger Wald/Bielstein. Talks			good	T	MF
105.5	0706	14/10	G	Palm FM, Beacon Hill Devon. Ads & jingle ID	C7B3	Palm_FM_	good	T	MF
105.6	0735	08/10	D	SWR4, Donnersberg. Talks			good	T	MF
106.0	2125	30/10	BEL	RTBF La Première, Tournai. Music	6351	PREMIERE	good	T	MF
106.3	1440	08/10	D	SWR 4, Bad Marienberg. music			fair	T	PT
106.4	2105	30/10	D	WDR Eins Live, Aachen-Stolberg/Donnerberg. Talks//105.5 D391	EINSLIVE	good	T	MF	
106.7	1918	08/10	D	WDR eins live, Langenberg. pop music			good	T	PT
106.8	1901	15/10	D	Alster Radio, Hamburg. mx			good	T	PT
106.8	0555	28/10	F	France Info, Metz (57). News			fair	T	MF
106.8	2130	30/10	F	France Info, Metz (57). News	F206	__INFO__	good	T	MF
107.0	1439	08/10	D	WDR eins live, Olsberg. pop music			fair	T	PT
107.0	1809	15/10	D	WDR eins live, Olsberg. pop mx	D391		v good	T	PT
107.2	1258	08/10	D	WDR eins live, Ederkopf. pop music			v good	T	PT
107.3	1230	08/10	D	HR4, Rhon. music			v good	T	PT
107.3	1859	15/10	D	Ostseewelle, Scherin. nx			v good	T	PT
107.5	1800	15/10	D	BB Radio, Berlin. nx,wx,pop mx			v good	T	PT
107.6	1850	08/10	D	Antenne Thuringen, Remda. pop music oldies			v good	T	PT
107.6	1831	15/10	D	Antenne Thuringen, Remda. ID, wx, pop mx			v good	T	PT
107.8	1807	15/10	D	MDR Figaro, Brocken. classical mx			good	T	PT

WHO USED WHAT

MF	Mike Fallon	Saltdean, East Sussex	Kenwood KT 6050 (with filter mod), Triax FM8 (horizontal), RDSS
PT	Patrick Travers	Sheffield, South Yorkshire	Kenwood KT6040, Triax FM5 (Split reflector) Horizontal
WK	William F Kitching	Telford, Shropshire	Pioneer F737, Kenwood KTF 3010, 8 element horizontal Triax and 5 element Vertical. Conrads and DOS RDS software.

FM & Digital News Desk

Edited by – Mark Hattam

E mail:mark.hattam@skywaves.info

Standard Deadline – 1st of every month

UNITED KINGDOM

Changing the law to allow the use of low power transmitters for MP3 players

Ofcom today (5 October) published draft regulations that, when implemented, would legalise the use of low power FM transmitters, which can be used to connect MP3 players and other personal audio devices wirelessly to radios and in-car entertainment systems.

Low power FM radio transmitters such as the ‘iTrip’ are currently illegal to use in the UK and continental Europe because of the potential to cause interference to broadcast services. However, Ofcom is responding to consumer demand for the use of these devices and has led negotiations in Europe to develop a harmonised approach which will minimise the risk of interference.

Today’s announcement follows a 10 week public consultation; draft amendments to the Wireless Telegraphy Exemption Regulations 2003 required to implement this change will be open for a further four weeks’ consultation. Subject to consideration of the responses, Ofcom intends to bring the new regulations into force in early December 2006.

The publication of the draft regulations is part of Ofcom’s overall approach to reducing the regulatory burden on stakeholders while encouraging the innovative use of the UK’s finite spectrum resource.

CB radio and low power devices

As well as allowing the use of low power FM transmitters, the draft regulations propose to deregulate Citizens’ Band services, allowing around 20,000 licensees to use short-range transmitters without the administrative and cost burden of an Ofcom licence.

The draft regulations will also make more spectrum available to meet consumer demand for other low power devices such as hearing aids, walkie-talkies, alarms systems, tracking and tracing systems and meter reading devices. Under the proposals, these will be able to operate in the 169.4 -169.8125 MHz band.

The deadline for responses to the draft regulations is 6 November and the full document can be found at:
<http://www.ofcom.org.uk/consult/condocs/exemption/> (Ofcom)

Ofcom awards new FM commercial radio licence for Oxford and South Oxfordshire

Ofcom today (12 October) announces the award of the new FM local commercial radio licence for Oxford and South Oxfordshire.

By the closing date of 9 June 2006, Ofcom received five applications for the Oxford and South Oxfordshire licence. After giving careful consideration to each of the applications submitted, the Ofcom Radio Licensing Committee has decided to award the licence to:

- **Jack FM**, Absolute Radio International Limited, Suite 12, Pegaxis House, 61 Victoria Road, Surbiton, KT6 4JX
- Contact: Clive Dickens Tel: 020 7978 6529 Email: clive@jackfmoxford.com

Jack FM is wholly-owned by Absolute Radio International Limited. It will provide Oxford and South Oxfordshire's variety music station, particularly appealing to 35-54 adults, and offer a generally music-intensive theme, with regular news and information which is locally relevant.

The licence is for a service to cover Oxford and South Oxfordshire which has an adult population (aged 15+) of around 300,000. However, the exact coverage will be determined by the location of the transmission site and other technical characteristics.

Ofcom expects Jack FM to begin broadcasting at the earliest opportunity and no later than two years from this award date.

Ofcom will publish a statement setting out the key determining factors for the award of this licence shortly.

The licence will be issued for a twelve year period.

(Ofcom)



Oxford's 107.9fm

is the latest station name for the ex-Passion ex-ex-Fusion ex-ex-ex Oxygen station in Oxford. PS: _OXFORD_

(Mark Hattam)

Peak 107 becomes Peak FM

As they now have a relay on 102.4, Peak 107 have renamed themselves as Peak FM ... PS: PEAK_FM_

(John Faulkner)

BBC Southern Counties Radio

From Monday 16 October, BBC Southern Counties Radio will make two major changes to the way the station operates - which will result in audiences in Surrey and Sussex receiving a much more local service.

New Managing Editor of BBC Southern Counties Radio, Nicci Holliday, has announced that from 16 October the Reigate Hill transmitter will once more cover North East Surrey and a new three-hour drivetime show will launch for Surrey.

Following changes in spring of this year, parts of Surrey got a less local service than they had in previous years and this resulted in requests from all quarters of the audience to change the transmitter pattern back to what it had been previously.

Nicci Holliday explained: "The decision implemented earlier this year to switch Reigate Hill to the Sussex feed was taken in good faith by BBC management to ensure that listeners in Crawley had access to news and travel information for Sussex.

"However, the reaction from the audience has proved that this wasn't as popular a move as we'd anticipated, as those listening in North East Surrey felt they were receiving information that wasn't particularly relevant to them.

"After careful consideration and taking all factors into the equation, we do feel that the Reigate Hill transmitter should take the Surrey feed and that the public service duty to provide Surrey with a local service is the over-riding consideration.

"It also gives us an opportunity to provide a more dedicated service for both Sussex and Surrey and provide a stronger local news and information service to both counties.

"This, combined with the launch of a new three-hour drivetime show with presenter Mark Carter for the county, shows Southern Counties Radio's increasing commitment to Surrey."

The decision has been welcomed by Peter McCallum of the Local Radio Advisory Council, who said: "We welcome this decision as a sensible solution to listeners' concerns."

Listeners in Sussex outside of Crawley will continue to receive the Southern Counties Sussex schedule.

Details of all the programming for the two counties can be found on the website: bbc.co.uk/southerncounties. (BBC Press Office)

BBC Radio Guernsey

BBC Governor Ranjit Sondhi CBE visits Guernsey on Wednesday 4 October to sign a new BBC Broadcasting Agreement with the Bailiwick of Guernsey.

The agreement documents the BBC's provision of broadcasting services in the Bailiwick and accountability arrangements in the shape of a Listeners' Panel.

The current agreement was signed in 1998 and expires at the end of 2006.

The document agrees that BBC Radio Guernsey will continue to provide a range of programmes and services including comprehensive coverage of public meetings of the States of Deliberation.

It describes how the BBC will work with the States to provide public service information in the event of an emergency and the work of the Listeners' Panel whose role will be to advise the BBC on content of BBC programmes and performance generally.

BBC Guernsey has been broadcasting in the Bailiwick since 16 March 1982.

(BBC Press Office)

BBC Radio Cornwall

BBC Radio Cornwall has attracted 6,000 new listeners over the last year, according to the latest audience figures issued by Rajar (Radio Joint Audience Research Ltd).

The figures show the station now has an average weekly audience of 161,000 listeners with 36.7% of the station's target area tuning in at some point during the week.

This is the highest reach of any BBC local radio station on the UK mainland.

Daphne Skinnard, Assistant Managing Editor, says: "We've been very busy this year travelling the length and breadth of Cornwall to meet our audience in their communities and will continue to do this.

"The whole team has worked hard to make our listeners central to everything we do. We're delighted with the figures."

The figures are from Rajar, an independent survey system which tracks radio listening for both BBC and commercial stations. The period measured was from March to September 2006.

(BBC Press Office)

R S L U P D A T E**Updated 29 October 2006**

Compiled by MARK PRATT (Devon, UK; e-mail: mark.pratt@skywaves.info)

This list is continually updated at the Skywaves website (www.skywaves.info), 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)
Leeds	87.7	Akash Radio	25/10/06	21/11/06	0113 2956556	To celebrate the birthday of Guru Nanak Dev Ji
Brent Cross	87.7	BXFM	03/12/06	30/12/06	07956 811008	Christmas shopping information
South Craven	87.7	Drystone Radio	04/12/06	31/12/06	01535 635392	Community Radio trial
Eastbourne	87.7	EYR 87.7 FM	22/11/06	24/11/06	01243 573 409	Youth Broadcast
Norwich	87.7	Exchange Radio 87.7	05/11/06	09/11/06	01842 822007	School broadcast project
Kilbirnie	87.7	Garnock Valley FM	17/11/06	14/12/06	01294 468035	Local health project and community station

Clapham	87.7	Generation Radio	25/10/06	15/11/06	020 8678 5900	Clapham Park Project's Summer Festival
Cardiff	87.7	GlobeCast Rally FM	28/11/06	05/12/06	020 7753 3600	The 2006 Rally of Wales GB
Swansea	87.7	GlobeCast Rally FM	30/11/06	05/12/06	020 7753 3600	The 2006 Rally of Wales GB
Kendal	87.7	KYR 87.7 FM	13/11/06	14/11/06	01243 573409	Youth Broadcast
East Grinstead	87.7	Meridian FM	27/11/06	24/12/06	01342 317817	Community Radio trial
Staffordshire	87.7	Moorlands Radio	18/11/06	15/12/06	07766 986688	Community radio trial broadcast
Cheltenham	87.7	Open Radio	10/11/06	12/11/06	01280 820438	The Open Meeting - Horse racing
Barnsley	87.7	Radio Barnsley	28/10/06	24/11/06	01226 216319	Community Radio trial for Barnsley
Cheshire	87.7	Radio Lymm	01/12/06	09/12/06	07739 205320	Village community broadcast
Slough (Berks)	87.7	Radio Slough FM	28/10/06	24/11/06	07836 354611	Diwali
Salford	87.7	Shock Radio	03/11/06	30/11/06	07784 060257	Student Broadcast
Chorley	87.7	Southlands FM	13/12/06	15/12/06	01257 414455	School broadcast
Thornbury-Bristol	87.7	Thornbury FM	06/11/06	03/12/06	01454 413209	Community trial broadcast
Lewes	87.8	Rocket FM Lewes	20/10/06	05/11/06	01273 478198	Lewes Bonfire season and local interest programming
Smalley	87.9	Amber FM	02/12/06	29/12/06	07970 696076	Community Radio
Potton	87.9	Biggles FM	27/11/06	24/12/06	01797 260637	Christmas Community Broadcast
Bradford	87.9	Hajj FM	05/12/06	01/01/07	07779 336505	Hajj Festival
Gravesend	87.9	Khalsa Radio	15/10/06	11/11/06	01474 326464	To celebrate the birth of Guru Nanak Dev.
Preston & Blackpool	87.9	Preston FM	05/11/06	02/12/06	01772 880791	Community Radio Trial
Redditch	87.9	Radio Redditch	30/10/06	26/11/06	07790 007 589	Commercial Radio Trial Assessment
Leicester	95.1	Radio Kohinoor	16/10/06	12/11/06	0116 2701941	Celebrating the birth of Guru Nanak Dev Ji and Diwali
Oundle- Peterborough	96.3	OSCAR Radio	18/11/06	13/12/06	01832 277219	School broadcast
Bradford	96.7	Sabrang	16/10/06	12/11/06	01274 611644	Diwali
Leicester	97.5	Demon - FM	30/10/06	26/11/06	0116 255 5576	
Birmingham NEC	102.7	Gymnastics FM	25/11/06	25/11/06	01264 369369	Gymnastics at the NEC
Norwich	105.1	Future Radio	08/10/06	04/11/06	01603 250505	Community Radio service
Ballymena	106.3	Radio Cracker Ballymena	26/11/06	23/12/06	028 2565 6313	Charity Fundraiser at Christmas
Paisley	106.6	FPR	27/11/06	24/12/06	0141 889 2306	Community broadcast at Christmas
Huddersfield	107.2	Radio Hajj FM	17/12/06	13/01/07	0787 5142003	Hajj
Hartlepool	107.5	Radio Hartlepool	27/11/06	23/12/06	01429 275222	Christmas and Community trial

Membership: *Skywaves* is published monthly as an electronic e-zine, 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, and are free.

There is also no charge by the BFMTVC to join the early DX warning system.

The Deadline for sections is the **1st of the month**, unless otherwise stated. *Skywaves* is currently compiled using Microsoft Word 98 for Mac. Electronic contributions can be sent in this, or any other Word format, as RTF, plain text, or as text within 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 usually the 25th of the month.

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