

Radio Weather Summary

Another quiet month in which solar activity was again very low, with no substantial flares reported. The Sun was spotless on most days, though one or two small spots made fleeting appearances. The X-ray flux remained below the recordable threshold throughout. The solar flux ranged between 68 and 72, averaging 70 – a point up on October. However, the 90-day average was an unchanged 68. The crucial determinant of propagation was, of course, the level of geomagnetic activity. The quietest day was the 11th, with an Ap index of 1, while the most disturbed was the 20th, when the daily figure was 27.6. Kp 60 was reached for the 3-hour period 12-1500 UTC, when a brief peak Ap of 80 was reported. The average daily Ap was slightly under 6. Solar wind speeds ranged between 273km/sec on the 7th and 751km/sec on the 23rd.

50MHz

Propagation to and from Britain

Aurora

With continuing low levels of geomagnetic activity auroral reports were restricted to the 20th. Even then reports were confined to locations well to the north.

- Nov. 20 At1535 GI5ATZ reported the newly returned Faroes beacon 52a into his IO74. 2305-2335 MM0AMW (IO75) caught OH9SIX (539), OX3VHF (559) and LA7SIX (539)
- Nov. 21 At 0018, towards the end of the event, he heard VE8BY at 429. There is a strong presumption that these loggings should be credited to auroral-E
- Nov.22 1812 TF3SIX>MM0AMW(55a)

Meteor Scatter

Unlike October, when it was particularly difficult to separate meteor scatter contacts from other modes, mainly sporadic-E, in a jumble of JT6M reports, this month suggested propagation modes were more numerous and ambiguous ones (between stations at normal tropo range) infrequent. However, it needs to be emphasized that we are following the modes suggested by the reporting operators, who are very knowledgeable but of course not infallible. The results show little impact from the major meteor showers, the Orionids (to the 7th) and the Leonids (10th-23rd). They are also well below the numbers of contacts reported in, for example, January 2006 – 60 against 269. This most likely reflects lower levels of activity.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
QSOs	0	7	4	3	2	1	1	3	2	3	1	3	2	1	4	2	3	2	5	2	0	1	0	2	2	2	5	1	0	4

The geographical distribution of the contacts remains fairly constant. The strong weighting of EA reflects the fact that a couple of EA2 operators are particularly

assiduous reporters, as is HA2RD. In all, fourteen UK stations are mentioned in the logs.

<u>Hour</u>	<u>QSOs</u>	<u>Countries</u>	<u>Hour</u>	<u>QSOs</u>	<u>Countries</u>
06	0		14	3	HE,OZ,PA,SM
07	0		15	3	EA,HE,OZ
08	6	DL,EA,G<>GM	16	7	LA,OZ,PA,SD5
09	7	EA,I,HA,LA	17	2	SP
10	10	EA,HA,OE,SP	18	2	SM,S5
11	7	EA,HB,LA,HA	19	3	EA,LA,SM
12	1	EA	20	7	EA,LA,OZ,PA
13	1	PA	21	4	EA,LA,OE,SP
			22	2	OE,SM
			23	2	LA

Tropo

Only a small number of tropo reports beyond routine range:

- 1 1541 GB3BUX>DH6JL(529 JO31) and GB4RAL>DH6JL(good cpi)
EB5EIB(IM98)>G0UIQ(JO02)
- 3 0755 GB3BUX>DH6JL(539)
- 14 1632-8 GB3BUX(429),GB3BAA(wk),OZ7IGY(wk)>DH6JL
- 15 1835 GB3BUX>DH6JL(solid 429)
- 18 2300 G4IGO(IO80)>EB1EHO(IN73 jt65b)

EME

Several good EME contacts from a small field of reporters. There are surely more than this?

- 16 1810 G4IGO>PE1BTX(-28)
- 17 1910 W1JJ>G5WQ(-19)
- 18 2210 W7GJ>G5WQ(-19)
- 24 0026 G5WQ>PE1BTX(-23)
1700 G4IGO>PE1BTX
- 25 0736 W7GJ>G5WQ
0818 K6MYC>G5WQ(-22)
- 29 2153 ZL3NW>G5WQ(25)
- 30 W7GJ>MM0AMW

Sporadic-E

			CT				E A		I		L X		O E		S 5	
Day	1	5	12	14	23		1		1		1		23		1	
06-09																
09-12		9	3	9									5			
12-15	3				3		9		9						4	
15-18											5					
18-21																
21-24																

Sporadic-E was well down on October levels, with only the 1st and 23rd reporting more than the occasional contact. Reports on the Portugal path were the most numerous, but it is hard to tell whether this was because it truly enjoyed the most openings or whether this reflects the assiduous monitoring of Joe, CT1HZE, who caught no fewer than five of the UK beacons. Indeed, the high proportion of beacons in reports for this band highlights both the value of beacons in flagging openings and opportunities missed by human operators. Es at 50MHz was undoubtedly infrequent, yet it was almost certainly rather more common than the slim display in the table above suggests.

Continental Europe, Africa and the Middle East

Auroral-related Propagation

With the prevalence of low levels of geomagnetic activity it is perhaps slightly surprising that auroral activity was reported on as many as seven days. It was only to be expected that the great majority of reports related to high latitudes. However, propagation briefly related to PA and DL – locators unknown – on the 20th and 22nd.

Nov 1 1758 OH9SIX>SM2(55a)

Nov 13 2109 OH9SIX>SM2(55a)

Nov 20 1221 OH9SIX>SM2(57a) 1243 ES1>SM2 1455 OH1(KP01)>OZ(JO55)(59a) 15-1600 OZ(JO55)>OZ(59a) OZ>SK2(KP03) SM5(JO89)>SK2(KP03) OY6BEC>SM6(JO66)(53a) OZ(JO33)>PA(JO45)(55a) SM3(JP92)>OZ(55a) 16-1700 LA>DL(55a) OY6BEC>OZ(JO55)(57a) OY6BEC>DL(52-4a) SM4>DL(55a) OH3>DL(JO72) SM4>DL(59a) LA>DL(59a) 17-1800 SM2>OZ(57a) ES1>DL(55a) LA>PA 2122 OH9SIX>SM2(55a) OZ(JO65)>SM4(59a) ES2>SM2 OH2>SM4 OH9>SM2

Nov 22 17-1800 JW5SIX>OH7(59+),OH6(59+) JW9SIX>OH6(599),JW7SIX>OH6(59) 18-1900 OY6BEC>DL(55a) JW9SIX>OZ(559) OZ>SM2 SM0>SM2(59a) JW5SIX>SM2(579) OZ>SM4(59a) 2252 OH9SIX>SM2(55a)

Nov 24 18-1900 LA>LA

Nov 25 1646 JW5SIX>OH6(Ae)

Nov 26 2122 OH9SIX>SM2(55a)

Other Modes

Was this the worst month of the cycle, asks SV1DH? Certainly one is hard put to call to mind Costas submitting a complete nil return. Eric, G2ADR, also continue monitoring but had to submitted a nil return: not even a G station heard, he says. When such experienced and

conscientious operators draw a blank we have to admit things are bad. And yet, at some point elsewhere in Europe, the band was workable every day! It is hard to say more with complete certainty. There were no really good days, with the possible exception of the 30th; the relatively good ones were at best patchy. Here and there one finds tropo reports, nearly all of which appear to be of a fairly routine kind. More frequently, sporadic-E is suggested, almost always in the late morning or early afternoon. However, the principal mode appears to have been meteor scatter, frequently identifiable as such, but often left to be inferred by the frequency (c. 50230) and method (JT6M). (Occasionally, of course, JT6M is employed with a different propagation mechanism.) Essentially, what we have is a relatively small band of operators who continue to work the band and report their QSOs. One suspects that, had there been more of them, rather more openings would have come to light. Even so, they have maintained activity on the band at a higher level, if memory serves correctly, than was the case at the same stage of the last cycle – when rather fewer countries had access to 50MHz.

Nov 1 08-0900 ON0SIX>ON,PA,F 0945 S5>PA 10-1100 S5,LZ1>DL S5>OE1 OE9>SP9(jt) 11-1200 YO3JW>F LZ1JH,YU1EO,HB9SIX>DL 12-1300 LZ2CM>DL(ES) 13-1400 GB3BAA>I7(Es) SR9FHA>EA6(Es) EA3,EA2B>DL(Es) 14-1500 SP6>SP9 1545 OZ7IGY>DL(tr) 1620 OZ7IGY>PA 1841-9 PA>DL ON0SIX>ON 2019 OH8>LA 2229 OE5>LA

Nov 2 0843 HG1BVB>DL 09-1000 OZ7IGY,LX0SIX>PA HG1BVB>DL(tr) 10-1100 LZ2CM>YO7 1754 EA2>EA3(jt) OH8>LA(jt) 19-2000 OH8>LA,OZ(jt) OZ>EB1(ms) EA2>OZ(ms) 2009 F>EA2(jt) 2141 OH8>OZ(jt)

Nov 3 0141 EA1>I8 0759 DL>DL(tr) 08-0900 OZ7IGY,LX0SIX.ON0SIX,DB0DUB>DL(tr) 0927 EA7>EB1(ms) 10-1100 CT>EA4 11-1200 I3>EA4 W7GJ>ZC4,OZ(eme) 1759 OH8>LA(ms) 1810 OH8>LA(ms) 2328 OY>LA(ms)

Nov 4 0730 SP9>LZ1(jt) 09-11000 OH8>LA(jt) 1047 ON>LA(jt) 1313 SP9>LA(ms) 1922 OH8>LA(ms)

Nov 5 1138 SV9SIX>I4(Es) 1539 SM7>LZ1(jt) 1800 DL>LZ1(jt)

Nov 6 17-1800 I2,SP9,SM7>PA(jt)18-1900 DL>PA LA>SP9(ms) 19-2000 LA>DL(ms/tr)

Nov 7 1803 PA>9A(jt)

Nov 8 1205 EA8>CT 1557 SR2FHM>DL(ms) 1653-9 HB9SIX,LX0SIX>DL(tr) 1708 SM7>HA2(jt) 18-1900 OH6>OH2 CT>EA8 SM0>SP9(jt) SM6>SK2 CU3URA>CT(Es) SM6>S5 19-2000 OZ>S5 19-2000 OZ>SP9(jt) OZ>S5 OH8>LA(jt) S5>LA(ms) I0>S5(tr) S5>OZ(59) 20-2100 SK2>LA(jt) LA>SP9(ms) OZ>LA(jt) 21-2200 OH8>LA(ms) SM6>LA(tr) 2247 EA8>CT

Nov 9 1604 EA7>SP6 1953 LA>SP9(ms) 20-2100 OH8>LA(jt) OH8>SP9(ms)

Nov 10 0601 LA>SP9(ms) 1304 LZ2>LZ1(ms) 15-1600 LZ1>PA(jt) OE5>PA(jt) 16-1700 SO5>PA(jt) SM5>PA(jt) 1925 SM5>SP9(ms) 2307 PY>LA(jt)

Nov 11 0954 UT5EA>OH4LA(Es) 1158 OH8>LA(jt) 12-1300 IQ1SP>CT(Es) ON0SIX>EA5 13-1400 I8EMG>CT(Es) 1454 PA>SP9(jt)

Nov 12 07-0800 HA2>DL(ms) 0854 LA>HA2(jt) 09-1000 HA2>DL(jt) HA2>PA(jt) 1958 DL>DL(tr) 2014 S5>EB1(ms)

Nov 13 09-1000 HA2>PA 18-1900 LA>PA(jt) PA>PA(jt) 20-2100 DL>DL DL>HA2(jt)

Nov 14 1150 LX0SIX>DL(tr) 1656 OZtIGY>DL 1903 SM5>SP9(ms) 2048-57 OY>PA(jt)
OH8>LA(jt)

Nov 15 09-1000 PA>EB1(ms) HA2>PA(jt) 10-1100 OZ>HA2(jt) SP9>SM2(jt)

Nov 16 0907 HA2>EB1(ms) 1457 OZ7IGY>DL(tr) 1747 W1JJ>PE1BTX(eme)

Nov 17 0614 SP9>OZ(ms) 08-0900 DL>DL(tr) EA7>EB1(ms) 09-1000 DL>HA(jt) OZ>HA2(ms)
1715 HB>OE5(jt/tr) 1806 OH7>PA(eme) 19-2000 OH8>LA(ms) OH8>SP9(ms) 2006
EB1>I1(jt)

Nov 18 0609 OY>OZ(jt) 09-1000 ON>EB1(ms) OE5>EB1(ms) OE5>SM0(jt) SM0>LA(jt) 10-
1100 S5>S5 SM0>SP9(jt) I2>PA(jt) 11-1200 SM2>LA(jt) ON0SIX>S5 LA>PA(jt) (jt) 12-
1300 S5>9A 1428 HB9SIX>DL(tr) 1638 OH8>SP9(ms) 1954 SP9>I1(ms) 21-2200
W7GJ>PE1BTX(eme) 22-2300 EB1EHO>PE1BTX(eme) W7GJ>PA2V(eme)

Nov 19 09-1000 ES1>UU(Es) SM2>UU(Es) SM3>UU(Es) SM3>SM2 OH3>UU(Es)
UT>SM4(Es) OH2>UU(Es) S5>PA ES0SIX>UU(ES) UT>SM6(Es) OZ7IGY>EI(Es)
UR>SM4(Es) YL2>UU(Es) 10-1100 UR>SM4(Es) UR>SM3 UT>OZ UU5SIX>SM4
ES0SIX>UU YL2>UU 1739 OZ>I1(jt) 2006 PA>SM5 2154 OY>LA(ms) 23-2400
LA>LA(jt)

Nov 20 19-2000 K1TOL>PE1BTX(eme) K1SG>PE1BTX(eme -23) 2047 W1JJ>PE1BTX(eme fb)
2240 K7CW>PE1BTX(eme -20)

Nov 21 1020 EA7>EB1(ms) 1937 OH8>LA(jt) 2026-7 JW7SIX,JW5SIX>SM2(57) 21-2200
JW9SIX,JW7SIX,JW5SIX>SM2(59) SM2>La

Nov 22 0911 S5>EB1 after 1731 aurora 20-2100 OH8>PA(jt) S5>PA(jt) 2345
K7CW>PE1BTX(eme)

Nov 23 0752 OY6BEC>DL 0859 EI0SIX>OE5(Es) 09-1000
IW3FZQ,IQ4AD,I0JX,IZ1EPM>EI(Es) 1006 I7>OZ 1134-55 CT0SIX,EA2SIX>OE5
ON0SIX,OE5,HB9SIX>CT(Es) 12-1300
IW3FZQ,IZ1EPM,IQ4AD,S55ZRS,F5TND,FX4SIX,CN8IG,I0JX,IK5ZUL>CT(Es)
CN8IG,Ct1ART>EI(Es) G>CT(Es) 13-1400 I1>CT(Es) IS0GQX,IS0GRB>CT(Es) 17-
1800 S5>PA(jt) ON>I1(jt) OZ>PA(jt) PA>LA(jt)

Nov 24 0037-42 K7CW>PE1BTX(eme -27) KE7V>PE1BTX(eme -24) 0558
K6QXY>PE1BTX(eme -19) 1528-39 LY2BAW>PE1BTX(eme -25) ZL3TY>PE1BTX(eme
-25) 1635 S51DI>PE1BTX(eme -27) 1745 JN1JFC>PE1BTX(eme -18) 1954
CN3A>CT(jt) 23-2400 LA>LA(jt)

Nov 25 07-0800 OH7>SP9(ms) 1623 JH2COZ>PE1BTX(eme) 1729-47 VK7JG>PE1BTX(eme
-24) MM0AMW>PE1BTX(eme -25) 1921 CN3A>PE1BTX(eme -29) 2007
CN3A>SV2(ms) 2235 S5>I3(tr)

Nov 26 no reports

Nov 27 0223 HR9BFS>PE1BTX(eme -30) 18-1900 PE1BTX>OZ6OM(eme)
W7IUUV>PE1BTX(eme -24) 1902 S51DI>PE1BTX(eme -23) 20-2100 SP6>OZ(jt)
OH8>LA(jt) 2200 SM2>La(jt)

Nov 28 16-1700 S5>I5 SV9SIX>EA6(ES) 1919 OZ7IGY>DL(tr) 20-2100 OE9>LA
9A0BHH>S5(tr) 2125 SM2>PA(jt)

Nov 29 2208 ZL3NW>PE1BTX(eme -18)

Nov 30 0855 HE>DL 09-1000 HE>I1,HB,OE5(tr) 10-1100 HE>DL,F 11-1200
HE>DL,OE5(tr),EI(ms) 12-1300 HE6M>S5,OE9,SP6 9A0BHH>S5 13-1400
HE6>HA2,SM4,HB(ms) 14-1500 HE6M>EA5,HA2,I5(ms) F>S5 DL>ON HE6>F(tr) 15-
1600 HE6>DL(tr) DL>I5(ms) HB9SIX>DL(tr) S5>HB HE6>F(ms) 16-1700 HE6>I2 16-
1700 HE6>EB2(ms) S5>I2,DL PA>LA(jt) DL>LA(jt) 1741 SM2>LA(jt) 2151 SM0>LA 2329
OY>LA(ms) 2354 SM0>LA(ms)

50MHz PROPAGATION REPORT FOR NOVEMBER 2007 BY SV1DH

1. Data for all days (30)
2. Relatively good days on: NIL
3. 48 MHz AF video (9L+3C) on: NIL
4. 55 MHz AF video (5N) on: NIL

5. No openings on 6m observed!!

6. Special events on:
- 4(1045 F to VK8 on 10m)
 - 24(0900 PY2 on 10m)
 - 25(1000 S7 on 10m)
 - 28(1100 4X/B to VK2 on 10m+1600 SV9/B to EA6 Es)
- The poorest month of solar cycle?

7. DXCC entities heard/worked during November 2007 : NIL

73 COSTAS

The Americas

Auroral-related Modes

Nov 21 0309 VE7FG>KE7V(CN88 53a)

Other Modes

US activity appears to have been low, apart from a small group of diehards. A few contacts e contacts were specifically credited to ms and an even smaller number to tropo. Sporadic-E was suggested for contacts on 7 days, but there were another 12 days when Es could well have been involved but no mode was suggested. The most interesting event was on the 18th.when KE4WBO reported HR9BFS, OA4B, YV4AB and several YVs, suggesting Es at one point. The geometry is wrong for tep, so multihop Es looks the most likely vehicle, as with an XE<>YV report. The other interesting contact was between VE8WD and W7 on the 23rd, for which the reporter did not suggest a mode; Es looks the most likely. The moral, as so often, is that even with an ailing band like Six, alert operators may spot opportunities that others miss.

Trans-equatorial propagation, usually appearing around 2300UTC and only once reported after 0100, provided the main interest – for only for stations in the Caribbean and the Caribbean fringe of South America in the north and LU or PY1/PY2 to the south. The exception, again involving KE4WBO, was with PY2XB on the 19th (evening of the 18th). Apparent tep contacts were present on 23 days, down on October for seasonal reasons.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	+	+		+		+	+	+		+	+	+	+			+	+	+	+			+	+	+	+	+	+	+	+	+

Trans-Equatorial Propagation

PY<>9Y 20 Days: 1-2,4, 6-8 10-13 18-19 22-23 25-30

PY<>YV 12 Days: 4, 10, 12-13, 16-19, 23-24, 26, 29

PY<>P4 1 Day: 17

LU<>YV 3 Days: 12-13, 17

Nov 1 02-0300 W0MTK,KA0CDN,WA7X,W5>W7 9Y4AT>PY2REK 0408 K5AB>W4(iono) 0520 W4CHA>W4 0624 VE7>W7 2324 W4CHA>W4 W3>W3

Nov 2 0245 WZ8D>W4(Es) 2339-46 9Y4AT>PY2REK,PY2OC

Nov 3 03-0400 VE7>W7 1239 W4>W8 23-2400 W4>W8 V44KAI>WP4NIX

Nov 4 00-0100 9Y4AT>PP5XX,PY2REK 04-0500 WB0RMO>W4(Es) 13-1400 W4,W0>W8 2107 FG5BC>FM5AA 2258 9Y4AT>PY2REK 23-2400 W0>W4 9Y4AT,YV4AB>PY2REK

Nov 5 1142 VE3>W4(sc)

Nov 6 0013 W4>W8 0155 WB0RMO>W4 0201 WZ8D>W4(Es) 1234 W4>W8 1300 W4>W8(Es) 1809 W4>W1 2005 KP4>KP4 2350 9Y4AT>PY2REK

Nov 7 0208 VE3>W8 2244 W7>W7 2342 9Y4AT>PY2REK

Nov 8 0145 W4CHA>W4(tr) 02-0300 W4,VE3,W0>W8 2348 9Z4BM>PY2DA

Nov 9 0243 WZ8D>W4(Es) 0431-2 W9>W9

Nov 10 0034 9Y4AT>PY2REK 0332 W5>W4 1230 W4>W1 23-2400 9Y4AT>PY2REK YV4AB,YV4DYJ>PY2REK

Nov 11 2358 W0>W8 14-1500 N0LL,K0KP,W4>W8 1856 VE3UBL>W4 9Y4AT>PY2REK

Nov 12 00-0100 9Y4AT>PY2MTV YV4AB>PY2REK 2015 W8IF>W4 23-2400 YV4AB,9Y4AT,YV5ESN>PY2REK LU5FCI>YV5OHW

Nov 13 00-0100 YV4ACU,YV4DYJ>PY2REK LW3EX>YV5OHW 0130 W4>W4 2257 W9DR/4>W8 23-2400 9Y4AT>PY2MTV(tep) YV4DYJ,YV4AB,YV5ESN>PY2MTV(tep)

Nov 14 00-0100 PY2>PY2 0100 W4>W8 12-1300 C6AFP,W4>W8 13-1400 W9VW>W9 1600 W4>W9

Nov 15 0621 VE7>W7

Nov 16 1519 W1>W4(fwd sc) 2343 PY4AQA>YV4DDK

Nov 17 00-0100 LW3EX,LU8DIO,PY4AQA>YV5ESN 1231 VE3>W1 13-1400 W4>W1,W4,W8 1425 WZ8D>W4(ms) 1500 W2>W1 23-2400 PY4OG,PU1NOA>P43A YV4AB>PY1NB

Nov 18 00-0100 9Y4AT>PY4OG W8,W4>W0(ms) 01-0200 9Y4AT,YV4AB>PY5HOT PR8ZIX>PY5 0639 VY1>W7(ms) 12-1300 W4>W0(Es/ms) W4>W9,W1,W8 1307 W4>W4 1816 W8>W4(Es) 20-2100 HR9BFS,OA4B,YV4AB>KE4WBO(FL Es) 22-2300 W0>VE3 OA4B,YV4AB>W4 23-2400 YV4AB>XE3ARV P43JB,OA4B,YV4AB>KE4WBO YV4DLH,YV4DYJ>KE4WBO P43A>WC4H,WE2N KE4WBO>PY2XB

Nov 19 00-0100 PY2XB>KE4WBO,YV5OHW YV4DYJ>PP1CZ VE3>W4(ms) 2358 9Y4AT>PY5EW

Nov 20 0024 W4CHA>W4 0313 VE7>W7(sc) 1311-2 WZ8D>W4(Es) K5AB,K4TQR>W4(ms) 1644 W3>W3

Nov 21 0053 W4CHA>W4 0202 W5>VE2

Nov 22 0226 9Y4AT>PY2MTV 0328 9Y4AT>PY2MTV WZ8D,K4TQR,W9DR/4>W4(Es) W8>W4 PR8ZIX>PY9 04-0500 W8,W0>W4 0506 VE8WD>W7(mode?) 23-2400 9Y4AT>PY2MTV(tep) VE3>W8

Nov 23 00-0100 YV4AB,9Y4AT>PY2MTV(etep) 1641 W7>W7 23-2400 PR8ZIX>PY5 9Y4AT>PY5EW

Nov 24 0012 YV4AB>PY5EW 0242 VE3>W8 0312 W1>W8 0602 CN3A>W7GJ(eme) 14-1500 LY2BAW,ZL3NW,OH7PI>W7GJ(eme)

Nov 25 0001 N0LL>W4 0102 9Y4AT>PY2REK 0727-44 G5WQ,MM0AMW,G4PCI>W7GJ(eme) 1154 W9DR/4>W4 1212-3 WB0RMO,W4CHA>W4 1406 W3>W4 23-2400 W4>W4,W5,W9(Es)

Nov 26 00-0100 W4>W8 W5,W0>W4 VE3,WB5LLI>W8 W3HH/4>W0 01-0200 W4>W0,W4 W5>W3,W8 W9,W5>W4 02-0300 W5>W9 W8>W8 1230 W4>W8 22-2300 PR9ZIX>PY9 9Y4AT,YV4AB>PY2REK

Nov 27 0356 W1>W8 0858 VE6FG>W7 11-1200 W4>W4 1320 W4>W8 2320 9Y4AT>PY2MTV

Nov 28 0014 W4>W4 0345 K4HRS,W4CHA>W4 2148 CE3SOC>PY2REK 2338 9Y4AT>PY2REK

Nov 29 1422 VK7JG>W7GJ(eme -19) 2342-7 9Y4AT,YV5ESN>PY2REK

Nov 30 02-0300 W4,VE3>W8 1134 MM0AMW>W7GJ(eme -21) 1448 W2>W4(ES/ms) 2348 9Y4AT>PY5EW

Asia and the Pacific

Japan

Nov 2 1632 W7GJ>JR6EXN(eme -23)
Nov 16 05-0600 46171(VK4)>JA3,JA1(tep) 45250(ZL)>JA3
Nov 24 0757 W7GJ>JA6(eme -19) 1651 G4IGO>JA6(-20)
Nov 25 0858 K7AD>JA6(eme -26) 0912 MM0AMW>JA6(eme -20) 1449 DS1>HL2 1501
LY2BAW>JA6(eme -26) 1745 VK7JG>JA6(eme -25)
Nov 27 1359 W1JJ>JA6(eme -17)
Nov 29 2252 PE1BTX>JA6(-22)

Elsewhere

Nov 27 0336 VK4RTL>VK5
Nov 28 0200 VK4RTL>VK5 0252 VK4ABP>VK5
Nov 29 0322 VK4RTL>VK5 2348 VK4RTL>VK5 2350 VK4ABP>VK5
Nov 30 0350 VK6RSX>VK6RO(Es 1285km) 0745 VK8RAS>VK5 0335 VK8RAS>VK5
0801,0849BP>VK5

28MHz

Seventeen European beacons were reported into the UK, during the month – a decline on October. on the ten days shown below. DL0IGI, the most reported beacon, was heard on five days.

Days When Beacons Were Received in the UK

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	1		1	1	2	1		2	6		3				2			2					11		3	1					

The table below shows that the mid-morning period 0900-1200UTC was by far the most productive time of day, followed by the early afternoon. Results are expressed in percentages: e.g. DK0TEN's 10 for 0900-1200 means it was heard on 3 days – a 10% regularity.

And a late addition: SM5HUA, at 0900 on the 4th. The only beacon heard from outside Europe was 4X6TU, at 1030 on the 26th.

Were it not for the CQ contest the tally of DXCC entities worked would have been a slim one indeed. Two reflections come to mind. The first is that there must be a strong presumption that, had as much effort been put into the band outside the two main contest weekends the picture would probably look substantially better. Not that there is any chance of that happening. The second is that a substantial proportion of the entities mentioned below was notified privately and did not feature in the OH2AQ dx cluster. It is at times when the band in its poorest weakest shape that we most need people who will take a little time to let their fellow amateurs know it is open. There is no denying that opportunities are currently scant at present on 28MHz, but that is no reason not to make the most of those that do occur.

European Beacons Heard in the UK

Beacon	06-0900	09-1200	12-1500	15-1800	18-2100	21-2400
DK0TEN	3	10				
DL0IGI	10	13				
DM0AAB		3				
F5SN		3				
F5ZUU		3				
F5ZVM		3				
F5ZWE		3		3	3	
I1M		3				
IQ1SP		3	3			
IW3FZQ		6	6			
IY4M		3				
I8EMG		3	3			
IS0GQX		3				
OK0EG	3	13		3		
PI7ETE		3				
SV3AQR		3			3	

Countries worked from UK:C4 C9 CT DL EA EA6 EA9 HA I S LU OE OH OK ON PY S5
SP SV5 T9 UA UR V5 VK9AA VP8 Z2 ZS 3D 3X 4O 4U1ITU 5B 9A

28 MHz Worldwide

The table below shows, in per cent, the reliability of propagation between the various continents for each period of the day: morning before 1130LMT, noon 1130-1430; afternoon 1430-1700 and evening after 1700. Thus Europe worked into Africa in the morning on 4 days (13%) and at noon on 16 days (53%) and so on.

	OC				AS				EU				AF				NA				SA			
	M	N	A	E	M	N	A	E	M	N	A	E	M	N	A	E	M	N	A	E	M	N	A	E
OC	47	03	13	17	03	30	30	17	00	00	00	03	00	00	00	00	06	06	00	03	03	06	00	00
AS	30	23	06	00	13	33	23	06	06	23	17	06	00	00	06	00	00	00	00	00	17	00	03	00
EU	00	03	00	00	18	13	00	03	47	50	23	23	13	53	13	00	00	00	03	00	00	06	20	25
AF	00	00	00	00	00	13	10	03	13	47	27	06	00	03	03	03	00	06	13	10	00	03	03	47
NA	03	03	03	03	00	00	03	03	03	00	00	00	13	23	03	00	36	63	50	36	17	63	63	73
SA	00	00	03	06	03	06	00	17	13	33	06	03	06	23	17	10	10	57	57	83	10	23	53	47

In all cases reports that appeared to involve tropo are not included. Within Europe the propagation modes was mainly Es, with a large number of contacts during the WW contest on the 25th. There were a few ms reports. There was only one fully auroral reports, of OG02<>OH6CT 57a at 1732 on the 25th; auroral-E looks the most likely explanation of MM0TFU's logging of OH9TEN at 529 at 2301 on the 20th. The sole known opening between Europe and Oceania was with VK9AA, who worked a number of contacts between 1120 and 1200 on the 23rd. And the sole confirmed trans-Atlantic report was WQ3X<>IK1QBT at 1442 on the 24th. One further contact of note was JS5FDJ<>F5JFU, stated as long-path at 1052 on the 25th. Would this have been made had there not been a contest in progress?

North America had a particularly good opening with South America on the 20th and 21st. On both days propagation was also good within North America. Among noteworthy contacts from North America were O40W<>KH6WO at 2144 on the 20th and K7JBO<>KH6/N6BQ at 2233 on the 22nd. There were further W<>KH6 reports on the 26th. From South America PY2oms reported working KH6LC at 2338 on the 23rd. VK and ZL were moving into their summer, bringing with it a number of intra-VK contacts on the 26th.

Many thanks, in particular, to G0IHF, G4UPS, G2ADR, SV1DH
