

50MHz PROPAGATION REPORT  
FOR NOVEMBER 2013 BY SV1DH

1. Data for all days, (30)
2. Relatively good days on: 1,3,9,10(+),15,17,21(+)
3. 48 MHz AF video (5Z+TJ+3C) on: 1-24,26,27,29,30 (R=93%)
4. 55 MHz AF video (5N) on: NIL
5. Opening to ZS6 on: 1,2,3,5,11,12,15,17,18,21(+ZS5),23 (R=37%)
6. " V5 on: 9,10,17,23
7. " 7P on: 18
8. " 5V on: 21
9. " TJ on: 3,8,15,16,24
10. " C5 on:
11. " ZD7 on: 8,10,14,15,22 (R=17%)
12. " ZD8 on: 1,3,5,10,14,15,17 (R=23%)
13. " J2 on: 21
14. " D4 on: 18,19,21 (F2) (R=10%)
15. " FR on: 1
16. " YU on: 2(bsc AF)
17. " I on: 11(E)+ 6(bsc AF)
18. " SV5 on: 3(T)
19. " SV2 on: 21(bsc AF)
20. Special events on:
  - 1(M6.3 flare+foF2>10MHZ 0630-1445z, max 12.6 at 1000z+0000-0100 JA to LU+0130-0200 KH6 to SA+1400 DU to A4+1745 FR to C.EU+1915 D4 to SV3+EA+CT +1945 ZD8 to 4X+A9 +2215 PY to 9H+IT+OE)
  - 2(M1.6 flare+0030-0100 JA to LU+CE +FK to W0 +1000 DU+VK6 to A9+1100-1230 48HS vids, weak scatter Ind.Oc.+1800 FR to SV3+IT +2100 PY to EA+IS)
  - 3(M5.0 flare+1145 DU to A4+2030 PY+LU+CE to SV3+I8+EA +2100 PY+ZP to 4X+2130 P4+YV to TJ+2200 KH6 to LU+CE, early+2300 JA to LU+ FK to TI)
  - 4(0015 JA to CE+0100 FK to YV +0530 DU to A9, early!+0600 JA+DU to A4+0645 48HS vids, weak scatter+ 48EP vids to VK5, weak+0815-1200 DU to A4+A9, str.+2130 PY to CT+EA +2245 FK to W5+TI+LU +2345 JA to CE)
  - 5(M1.0+M2.5+X3.3!! flares+0030 JA to LU+1145 48HS vids, weak sc.+1215 DU to A4+1900 PY to CT+2145 PY to CT+EA +2300 JA to CE+LU +2330 FK to W5)
  - 6(M1.8+M3.8 flares+0830 JA to 3B8+0930 DU to A4+2100 PY to I8+2230 KH6 to CE+LU +2330 PY to CT)
  - 7(M2.3+M2.4 flares+foF2=12.5MHZ at 0930Z+0830 JA to 3B8+0930-1130

- BA to 3B8+FR +1145 DU+KG6 to A4+1815 FR to SV5+4X+A4 +2000 LU to EA+CT +2245 KH6 to LU)
- 8(M2.3+X1.1 flares+0015 KH6 to CE+1900 PY to CT+2030 PY to SV3+I8 +2100 9Y+V4+FG+FM to TJ+2315 KH6+JA to CE)
- 9(14C flares+foF2=12.3MHZ at 1030Z+0030 KH6 to ZP+0130 FK to W6+1500 W to C.+S. AM, F2+1545 YS+TI+W3,5 to EA8, F2+2030 PY to EA+CT +2145 KH6 to LU +FK to XE +2315 ZL1 to XE+W6,7 +JA to LU+CE +2345 PY to CT)
- 10(X1.1 flare!+0000 FK to W7+ JA6+ZL1 to EA8, LP! +0100 FK to EA8, LP! +0130 JA to CE+LU +FK to W6 +0215 BA to YV+2100 PY to I8+2130 PY+LU to TJ+2215 LU to CT +KH6 to LU)
- 11(M2.4 flare+foF2=12.8MHZ at 0900Z+0000 PY+CP to CT, still+0100 JA to PY+0200 ZL1 to YS+1430 W to OA, F2+1900 CE0Z to EA8+2030 PY to EA+2130 9Y+FM to TJ+2300 FK to FO +JA to KH6+LU+CE)
- 12(12C flares+foF2=12.0 MHZ at 1145Z+0030 FK to HP+FY +JA to ZP+PY+LU +0115 FK to 9Y+0200 BA to PY+1045 KG6 to A4+1400-2000 ZS6 to S.+C.EU, str.+2130 PY+CE to CT+EA +2145 KH6 to LU+CE +2330 PY+LU+CX to CT)
- 13(12C+M1.4 flares+0000 KH6 to CE+ JA to LU+0030-0115 JA to CE+ PY+LU to CT, still-late +0900 DU+KG6 to A4+ 0945 DU to A9+1215 KG6 to A4, again+2115 KH6 to TI+2300 CE0Z to EA+2345 KH6 to PY)
- 14(16C flares+0015 ZL to W6+0100 FK to 9Y+8R +0115 KH6 to ZP+PY +1330 DU to A4+2130 PY to CT+EA+I8+ 2315 CE to EA)
- 15(7C+M1.0 flares+2030 9Y+J8+FM to TJ+2200 PY to EA+2230 PY+LU+CE0Z to CT)
- 16(13C+M1.2+M1.6 flares+0115 JA to CE0Z+1245 TJ to I+G+ON+SP, TEP+Es +2030 9Y+YV+V4+FM to TJ+2130 PY to CT+2330 PY+CE to CT)
- 17(10C+M1.0 flares+0030 ZL1 to YS+TI +0300 KH6 to PY+HC +1330 US+CT utils up 35MHZ , str.+2100 PY+LU+CE to 9H+IT+I8+ 2130 CE+ZP to EA +2200 CE0Z to EA +CE to CT +2330 CE0Z to CT +JA to CE)
- 18(13C flares+0730 BA+JA to S2 +1300 D4 to I8, F2 +1345 ZS6 to EI, TEP+Es? +TR to 9A +1445 C9 to EA+2045 PY to EA +2200 KH6 to LU+ CE to IT+ PY+LU+CE to CT+EA)
- 19(6C+X1.0 ! flares+0045 KH6 to PY+0930 48EP vids to VK6+1230 DU to A4, weak+2230 PY to CT)
- 20(7C flares+0700 BV to S2+0830 JA to S2+2030 PY to CT+2115 LU to CT+2245 CE to CT+EA)
- 21(3C+M1.2 flares+0615 BA+JA to S2+0730 KH6 on 10m, LP+1430-1600 ZS5 to S.EU+1530 ZS1 to I0)
- 22(5C flares+0545 KG6+BA+JA to S2 +1430 D4 to 9H+IT +1830 TJ to 4X+JY +2200 PY+LU to CT)
- 23(9C+M1.1+M1.0 flares+0000 KH6 to ce+0530 BA+JA to S2 +1315 V5 to DL+SP+G, TEP+Es +2145 PY to CT+2230 LU to EA)

- 24(8C flares+2130 PY+LU to EA8+CT3 +2345 KH6 to PY)  
25(4C flares+0100 FK to HK +2145 LU to EA8+2245 CE to EA8 +ZD8 to CT+IT)  
26(NO flares+0145 KH6 to PY+1830 J8 to EA8, weak+2215 ZD8 to EA+2245 PJ to EA+2300 LU+CE to EA8)  
27(2200 LU to EA8+CT3 +2300 CE to EA8)  
28(2145 PY+LU to EA8+2215 FY to EA8+2315 KH6 to LU)  
29(0115 PY+LU to W3,5 TEP+Es)  
30(2045 ZD7,8 to CU+2115 PY to EA8+2145 LU to EA8)  
Solar activity high at end of month, max values: SSN up 282!!, SFI up 178, Xray daily background up C1.0, Xray flares up X3.3!!  
21. DXCC entities heard/worked during Nov 2013: 14 on 2 cont.  
22. DXCC entities heard/worked during 21<sup>st</sup> Nov 2013: 5 on 2 cont.