

# 50MHz PROPAGATION REPORT FOR APRIL 2013 BY SV1DH

1. Data for all days (30).
2. Relatively good days on: 5,7,8+,10+,11+,14,27
3. 48 MHz AF video (5Z+TJ+9Q) on:1,2,4-8,10-15,21,23,25,26,28 (R=60%)
4. 55 MHz AF video (5N) on: NIL
5. Opening to ZS on: 1,2,4-8,10-13,15,18,20,21,23,26,27 (R=60%)
6. " Z2 on: 6,10,12,13 (R=13%)
7. " 7Q on: 7,8
8. " 9X on: 2
9. " ST on: 11
10. " Z8 on: 7,10,13
11. " J2 on: 2,10,11,15
12. " 9X on: 11
13. " V5 on: 6,7,13,14,21
14. " TJ on: 2,4,5,7,10,14,18,27
15. " 6W on: 5
16. " C5 on: 5,8,10
17. " 9Q on: 1 (R=3%)
18. " ZD7 on: 1,3,5,8,10-14,29 (R=33%)
19. " ZD8 on: 2,4-8,10-14,21,23,29 (R=47%)
20. " FR on: 5,8,10-12
21. " 3B8 on: 2,5,10-13,15,18,20,21,23,26,28 (R=43+)
22. " C9 on: 12
23. " CE on: 8
24. " PY on: 1,7,8 (R=10%)
25. " CU on: 7,14 (bsc AF)
26. " EA on: 7 (bsc AF)
27. " IS on: 14 (bsc AF)
28. " I on: 3,4,10,11,14 (bsc AF) (R=17%)
29. " S5 on: 4,14 (bsc AF)
30. " 4X on: 6,14 (bsc AF), 21(E)
31. " JY on: 21 (E)
32. " A9 on: 11 (bsc AF)
33. Special events on:
  - 1(NO flares+0300 CE0Y to W5,7+TI+OA +**0400 OA to DU+BV**+foF2>10  
0945-1345, max 11.4MHZ at 1300 over Athens+0930 48A6 to VK8,  
str+1200 48A6 to JA3, sc+1315 48A6 to DU1+1800 CE8+LU to EA+CT  
+PY to IT+IS +1900 9X to SV2,3+EA8 +2000 9Y+YV+KP4 to EA8+2200

- PY+LU to 4X, late+2245 PY to CT)
- 2(NO flares+0115 KH6 to PY+ZP +0230 KH6 to YV +E5 to CP +0330 KH6 to LU+**0415-0530 OA to DU7!**+foF2>10 0830-1315 +1300 48A6 to DU1, str+1530 3B8 to SV1,3+4X+I +1645 ST to EA+1830 9X to I+EA+CT +48 5Z to PY+1900 PY to SV3+I+EA +9X to 9Y!+2000 CE to EA8+ LU to 4X+2145 PY to CT+EA8 +2245 KH6 to ZP+2345 CE0Y to EA8)
  - 3(3C flares+foF2>10 1015-1345+ 1245 48A6 to DU7, str+1430 VK8 to A9+1700 C5+ZD7 to I+EA +1730 ZD7 to SV3+F+CT + PY to I+EA+CT +2315 CE0Y to EA8 +2345 E5 to ZP)
  - 4(1C flare+0015 E5 to PY+**0045 VK7 to ZP!!**+0115 E5+KH6 to ZP+**0200 FK to W6**+foF2>10 0830-0900+1030-1415+1600-1700!+1145 48A6 to JA3,sc+1600 C5+9X to I+ ZS6 to EA+1730 Z8 to A9+I+IS +1815 PY to IT+IS+1900 9X to SV3+I+CT +1945 CE+PY to EA+ LU to 4X+2015 PY to I+CT +2330 E5 to ZP)
  - 5(1C+**M2.2** flares+0045 KH6 to CE+0200 KH6 to PY+0245 E5 to PY+1015 VK8 to A9, str+foF2>10 1200-1345 +1245 48A6 to DU1+ DU1 to A9+1315 DU1 to ST+FR to 4X+1330 DU to A4+ 9M6+VK8 to A9+1430 DU to A4, still+1445 JR6 to A4+1500 YB to A9+ **1515 VK8 to A6 +DU to ST, late**+ FR to G, TEP+Es+**1630 9M2 to A4, late**+1800 CE0Y to EA8, str early+1803 FR to 4X+1900 ST to EA8+ PY to EA +1930 9Y to ST+2015 PY to CT+2100 ZP to CU+2200 TJ to EA8)
  - 6(8C flares!+0000 E5 to PY+LU+ZP +0145 KH6 to ZP+0245 KH6 to LU+ foF2>10 0930-1330 +0830 JR6+JA2 to 3B8+0900 BA to 3B8+1045 48A6 to DU ,str+1200 48A6 to DU, S3+1230 JR6+DU1 to A4, str+**1430-1530 YB to A4**+1700 FY+9Y to EA8+1730 CE0Y to EA8+CT3+1800 9Y to EA+ST +C5 to EA+CT +1830 FR to F, TEP+Es?+1900 Z8 to SV3+1930 PY to CT+ 9X +KP4 to EA, sc+ CE+LU to EA+CT +YV to ST+2030 PY+ZP to A9+2100 ZP to 4X+2130 CE+PY to 4X+2230 ZD8 to EA)
  - 7(4C flares+0115 E5+KH6 to ZP+ **ZL+FK to W6!**+0300 CE0Y to HI+9Y +foF2>10 0745-1400!+1330 48A6 to DU1+ DU1 to A9+1530 V5 to EI, TEP+Es+ 1600 Z8 to SV+1745 CE0Y to EA8+1815 CE to EA8+ CX+LU to EA+1845 CE to 4X+ 1900 9Y to 9X+ST +1930 FG+PY to ST +1945 HK to ST+**2015 PY to A9+2030 Z8 to 9Y!**+2100 E5 to PY+ZP+ **45ZL vids to EA7, LP first of cycle**+2045 **E5 to A9, hrd LP!!**+2215 E5 to PY)
  - 8(2C flares+FK to W6+0145 KH6 to ZP+LU +0215 KH6 to PY+0300 CE0Y to P4+ZF +foF2>10 0745-1745!!, max 11.0 @1715+**1115 E5 to JR6+BA+DU+9M**+ 1215 48A6 to DU1, str+1345 9M6+DU1 to A9,str+1430 DU+KG6 to A9+1645 FR to EA+SV9+1715 CE0Y to EA8+1815 CE to CT+ CE0Y to FG+CT3 +**1845 9Y to 7Q!**+1915 CE+ZP to 4X+A9 +1945 9Y to ST+2000 LU to A9+ PY to 9X+2115 CE0Y to CT3+E5 to ZP)
  - 9(8C flares!+0015 E5 to PY+ZP +KH6 to ZP+foF2>10 1145-1430 +1200 48A6 to DU+1345 3B8 to I+1730 1730 LU to CT+ ZS6 to I+SV7 +ZD7 to ST+1815 CE to EA8+CT +1830 9Q to I+ FY to EA8 +1915 CE to EA8 +YV to EA, sc+PY to I+2045 E5 to LU+2115 CE to CT+I +2200 CE to EA8+ E5

- to LU +**2245 ZL to XE+W5! +E5 to YS**)
- 10(8C flares!+0145 E5+KH6 to PY+foF2>10 1000-1515, max 11.0 at 1245 +  
**48EP to VK6, weak**+48A6 to DU1, str+1200 ZS6 to I+**1230 E5 to**  
**DU**+1500 FR to EA+ PY to IT+1515 3B8 to I+G, TEP+Es+1600 3B8+FR  
to G+1815 FY to CT3+**ZS6 to I8 on 4m+1830 9Y to 9X** +1945 ZD7 to  
I+A9 +CE to EA+CT +2015 YV to TR+CE+ZP to CT)
- 11(7C+**M6.5!** flares+foF2>10 0815-1315, max 11.3 at 1100+1000 VK8 to  
A9+1045 48A6 to JR6, sc+1330 ZS6 to I+1445 DU1 to J2+ A9 to I8,  
bsc+**1500 YB to A9+DU1 to ST**+1545 FR to I+1615 3B8 to IT+1730 **ZS6**  
**to SV2 on 4m**+1815 9X to SV3+TJ+ 9Q to I+ Z8 to SV3+I +1915 KP4 to  
EA sc+1945 PY to CU+CT+EA +2000 CE to EA8+ E5 to LU+**2045 CE to**  
**IT+4X+A9** +LU to 9H +PY to CT+EA)
- 12(4C+M3.3 flares+foF2>10 0915-1445, max 12.0! at 1145+1045 48A6 to  
DU+1145 ZS6 to YU+S5 +1200 C9 to I+F+ Z2 to EA +**1400 DU1 to**  
**ZD8!**+C9 to G TEP+Es+ 3B8 to 5B+1545 FR to SV3 +1615 TR to I+1800  
9Y to C5+9X to CT +**1815 ZS6 to SV2 on 4m+ 1830 9Y to 9X**+2000 E5 to  
PY+ CE to 9H+EA+CT +PY to CT+2030 Z8 to 9H+I +2045 E5 to  
PY+LU+ZP)
- 13(4C flares+foF2>10 0945-1645, max 11.5 at 1300 +0730 48A6 to JR6,  
early+1030 48A6 to DU+1215 VK8 to A9+1530 C5 to 9H+ ZS6 to 4X+1600  
Z8 to SV5+9H+I +1815 9X to EA+CT +1900 9Y+YV+FM+V4 to C5 +9Y to  
ST+1930 CE to EA8+ E5 to PY+2015 CE to 4X+2115 CE+LU to EA)
- 14(NO flares+foF2>10 0800-0830+0945-1030+1130-1330 +1430 ZS6 to  
EA+F +V5 to EA+I +1515 TJ to EA+F +1815 C5 to I +9X to EA+CT+CU +  
1900 CE+Z8 to EA8+CT3 +ZD7 to CT +1945 9Q to EA +2015 9G to  
CU+SV3 +2130 9G to EA8)
- 15(3C flares+foF2>10 1100-1430 +0930 JR6 to 3B8+1000 BA to 3B8+48A6  
to DU+**1345 DU1 to ZD8+J2!**+ 1500 J2 to I+1615 3B8+Z2 to CT+1700 TJ  
to I+TK+9A +**1730 ZS6 to SV2 on 4m**+ 1830 FR to A9+EA8 +CE to CT3  
+1900 C5+Z8 to EA+I +1915 ZD7 to 9A+F+CT +1945 Z8 to SV3+ TZ to  
CT+EA+F+SV3 +2030 PY to CT+2130 PY to CU +**2300 FK to W4,6,7!**)
- 16(5C flares+foF2>10 1245-1345 +48A6 to JR6,sc+1645 3B8 to SV5+4X)
- 17(3C flares+0900-1000 JA0!? to 3B8+1245 48A6 to JR6,sc +2000 ZP to  
EA+PY to CU+CT +9Q to I+2145 ZD8 to IT+ E5 to TI)
- 18(2C flares+1615 ZS6+Z2 to I+1715 TJ to I+SV7 +1745 3B8 to SV5+1915  
TJ to 9X +2000 TZ to CU+EA8 +LU to CT+EA8 +2045 ZD7 to CT +2130  
9X to EA8)
- 19(2C flares+1330 48A6 to JR6,sc+1845 7Q+9X to 9H+1930 9X to  
EA8+2000 3B8 to JY+2145 ZD7+ZD8 to CT)
- 20(8C flares+1430 ZS6 to I+1745 V5 to IS+ 1800 3B8 to SV5+1915 9X to  
EA8+ 9Q to IS +2030 ZD7+ZD8 to CT+2115 TJ to 4X+EA)
- 21(13C flares!+foF2>10 1215-1445 +1100 48A6 to DU,sc+1415 3B8 to  
9H+I+SV5 +1445 3B8 to CT+4X +1600 V5 to I+IS +2130 ZD8 to  
IT+EA+CT)

- 22(3C+M1.0 flares+1445 48A6 to DU+ 1915 CE to EA8+2130 ZD8 to CT+EA8)
- 23(11C flares+foF2>10 1130-1215 +1245 ZS6 to I+1830 FM to C5+ CE to EA8+1930 LU to EA8+CT +2000 PY to CT+2130 ZD8 to EA+CT3+ PY to EA8)
- 24(7C flares+1530 first Es to C.EU+1630N EI to SV5, 2Es!+ 2015 ZD8 to TJ+2115 ZD8 to EA)
- 25(11C flares+1200 ZS6 to IS+TK+1930 ZD8 to EA)
- 26(10C flares+foF2>10 1200-1300 +1330 SV94 to G on 4m, 2Es!!+ZS6 to SV3+1415 3B8 to G+ON+PA+DL TEP+Es +1745 ZS6 to 5B+SV7)
- 27(9C flares+0900 VK8 to A9, str+1130 ZS6 to EA+I +48A6 to DU+ Z2 to EA+SV2+ 1215 TJ to SV2,3+**1300 DU1 to ZD8!**+1315 TR to I+**1415 YB to 5B!+A9** +1500 3B8 to SP+ SP to SV2,5 on 4m+1545 3B8 to 4X+ **SV14 to SP on 4m+** 3B8 to OM+1815 V5 to I+EA + 9X to EA8+1845 V5 to SV3+ 9Q to I+2000 9Q+ZD8 to SV3+2045 V4 to TJ+**2345 ZL to W6!**)
- 28(12C flares+0700 48A6 to JR6, sc-early+foF2>10 0945-1400 +1500-1545 +1300 48A6 to DU+1830 9X to EA+CT +1900 CE to CT3)
- 29(12C flares+**0000 ZL to W6!** +foF2>10 0730-1430 +1230 DU to A4+ 48A6 to DU+1500 3B8 to SP+1730 CX to CU +LU to CT3 +1830 9X to EA+IT+S5 +PY to EA+IT +1845 CE to CT+1900 PY to 9H +7Q to EA +2030 ZD7+ZD8 to SV3)
- 30(7C flares+foF2>10 1100-1430 +0830 SV54 to OK+SP on 4m+**0945 UK to VK6!** +DU to 9N +48A6 to JR6, sc+1230 DU to A4+48A6 to DU+1800 3B8 to Z3+1830 9X to I+SV2+G +TJ to 4X +1945 9Q to I +2000 CE to EA8+2115 ZD8 to EA)

TEP deteriorated further, but TEP+Es links started after the 10<sup>th</sup>.

No F2 propagation to east or west observed.

Solar activity increased toward the end of month,max values:

SSN up 165, SFI up 154, Xray background up B8.4, Xray flares up M6.5

34. DXCC entities heard/worked during April 2013: 28 on 4 cont.

35. DXCC entities heard/worked during 10th April 2013: 10 on 2 cont.