

Daily Space Weather Summary (SUPARCO)

Thursday, October 11, 2018, 15:46 PST



LOCAL CURRENT IONOSPHERIC CONDITIONS OVER PAKISTAN

Critical Frequency of F2 layer (foF2)	ISL/SON : 8.5/8.7 MHz
Virtual Height of F2 layer (h`F2)	ISL/SON : 290/270 km
Maximum Usable Frequency (MUF)	ISL/SON : 26/26 MHz
Total Electron Content (TEC)	ISL/SON : 20/25 TECU
Local ionospheric conditions are nominal with mildly depressed MUF conditions. It is advised to use a lower frequency band in case of geomagnetic storm condition otherwise use a higher frequency band.	

LOCAL GEOMAGNETIC CONDITIONS OVER PAKISTAN

K-index	1 (max K in 24 hrs: 2)
Total Field Value (F)	ISL/SON : 49740/45210 nT
Declination (D)	ISL/SON : 0.68/0.55 degrees

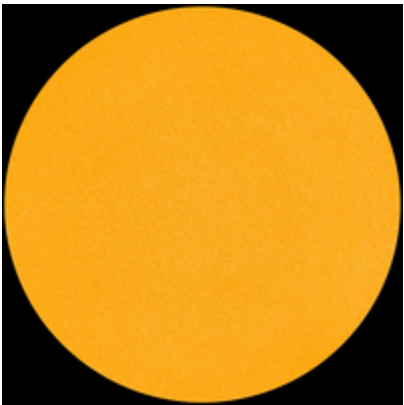
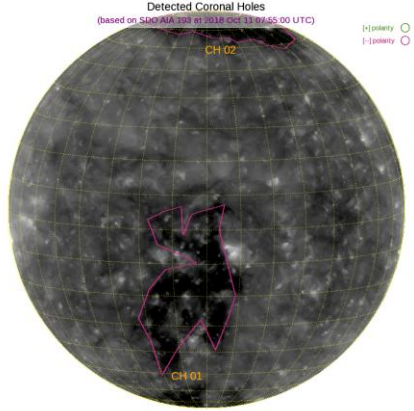
The local geomagnetic field is quiet to unsettled at the moment.

LATEST SOLAR CONDITIONS

Sunspot Number (SN)	0
Solar radio flux (F10.7)	70 sfu
Solar wind speed	479 km/sec (varied in the past 24 hrs between 456 & 533 km/s)
Solar x-ray flares	A 0.0 (max flare in the past 24 hrs: A 2.0 0349 UT Oct 11)
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)	3.2 nT (varied in the past 24 hrs between 2.3 nT & 7.7 nT) +1.3 nT (varied in the past 24 hrs between -1.9 nT & +4.5 nT)

Solar conditions are at **low** levels with background X-ray flux at A-class level. Local HF working frequencies are normal as compared to monthly average predicted values.

Daily Sun: 11 October 2018

<p>There are no active regions on the Sun as the Sun is currently spotless.</p> <p>02 CHs are detected on the solar disk.</p>		
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Sonmiani (SON): 25.2° N, 66.75 E°
Islamabad (ISB): 33.7° N, 73.13 E°

Notes: Credits: www.spaceweather.go.kr, www.sws.bom.gov.au, www.spaceweather.com, www.solarmonitor.org