

Daily Space Weather Summary (SUPARCO)

Thursday, July 12, 2018, 15:11 PST



LOCAL CURRENT IONOSPHERIC CONDITIONS OVER PAKISTAN

Critical Frequency of F2 layer (foF2)	ISL/SON : 8/9 MHz
Virtual Height of F2 layer (h`F2)	ISL/SON : 320/340 km
Maximum Usable Frequency (MUF)	ISL/SON : 24/27 MHz
Total Electron Content (TEC)	ISL/SON : 19/21 TECU
Local ionospheric conditions are nominal with nominal MUF conditions. It is advised to use a higher frequency band in case of HF communication difficulty.	

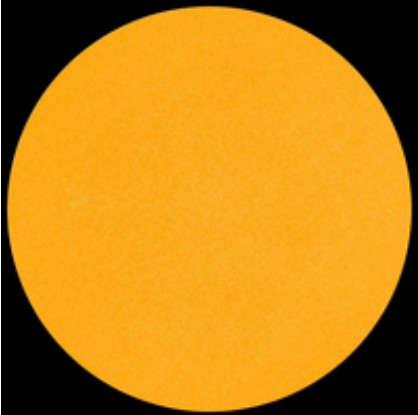
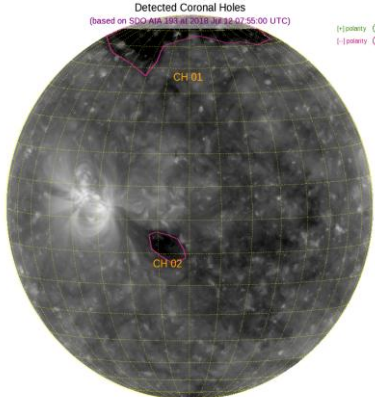
LOCAL GEOMAGNETIC CONDITIONS OVER PAKISTAN

K-index	1 (max K in 24 hrs: 1)	
Total Field Value (F)	ISL/SON : 49822/45314 nT	
Declination (D)	ISL/SON : 0.66/0.57 degrees	
The local geomagnetic field is quiet at the moment.		

LATEST SOLAR CONDITIONS

Sunspot Number (SN)	0
Solar radio flux (F10.7)	73 sfu
Solar wind speed	429 km/sec (varied in the past 24 hrs between 321 & 438 km/s)
Solar x-ray flares	A 4.2 (max flare in the past 24 hrs: A 4.0 0853 UT Jul 12)
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)	4.9 nT (varied in the past 24 hrs between 4.6 nT & 10 nT) -2.6 nT (varied in the past 24 hrs between -8.2 nT & +5.2 nT)
Solar conditions are at <u>low</u> 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: 12 July 2018

<p>There are no active regions on the Sun as the Sun is currently spotless.</p> <p>02 CHs are visible 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