

Daily Space Weather Summary (SUPARCO)

Tuesday, June 12, 2018, 12:45 PST



LOCAL CURRENT IONOSPHERIC CONDITIONS OVER PAKISTAN

Critical Frequency of F2 layer (foF2)	ISL/SON : 8/10 MHz
Virtual Height of F2 layer (h`F2)	ISL/SON : 255/265 km
Maximum Usable Frequency (MUF)	ISL/SON : 24/30 MHz
Total Electron Content (TEC)	ISL/SON : 15/17 TECU
Local ionospheric conditions are nominal with good MUF conditions. It is advised to use a higher frequency band in case of HF communications difficulty.	

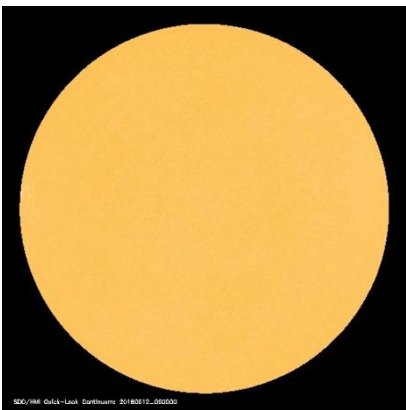
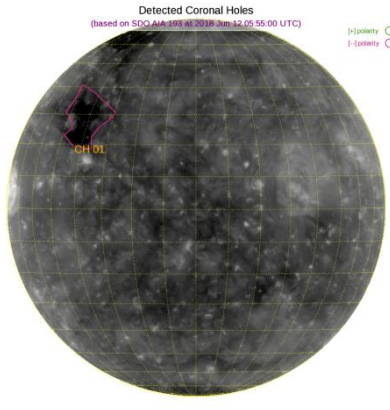
LOCAL GEOMAGNETIC CONDITIONS OVER PAKISTAN

K-index	1 (max K in 24 hrs: 1)	
Total Field Value (F)	ISL/SON : 49802/45310 nT	
Declination (D)	ISL/SON : 0.63/0.53 degrees	
The local geomagnetic field is quiet at the moment.		

LATEST SOLAR CONDITIONS

Sunspot Number (SN)	0
Solar radio flux (F10.7)	70 sfu
Solar wind speed	311 km/sec (varied in the past 12 hrs between 292 & 306 km/s)
Solar x-ray flares	A 2.8 (max flare in the past 24 hrs: B 1.0 1912 UT Jun 11)
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)	3.4 nT (varied in the past 12 hrs between 2.6 nT & 6 nT) 1 nT (varied in the past 12 hrs between -2.2 nT & +1.4 nT)
Solar conditions are at <u>very 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 June 2018

<p>None of the regions on the Sun are capable of producing strong solar flares.</p> <p>1 CH is detected on the solar disk at the moment.</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