

Daily Space Weather Summary (SUPARCO)

Thursday, December 06, 2018, 15:04 PST



LOCAL CURRENT IONOSPHERIC CONDITIONS OVER PAKISTAN

Critical Frequency of F2 layer (foF2)	SON : 5.88 MHz
Virtual Height of F2 layer (h`F2)	SON : 235 km
Maximum Usable Frequency (MUF)	SON : 22.07 MHz
Optimum Traffic Frequency (FOT)	SON: 18.76 MHz
Total Electron Content (TEC)	SON : 5 TECU
Local ionospheric conditions are slightly depressed with fair 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: 2)
Total Field Value (F)	ISL/SON : 49841/45286 nT
Declination (D)	ISL/SON : 0.71/0.56 degrees
The local geomagnetic field is quiet at the moment.	

LATEST SOLAR CONDITIONS

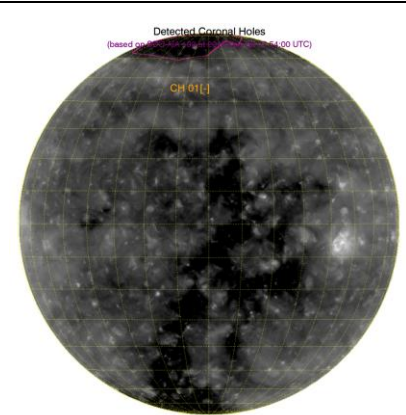
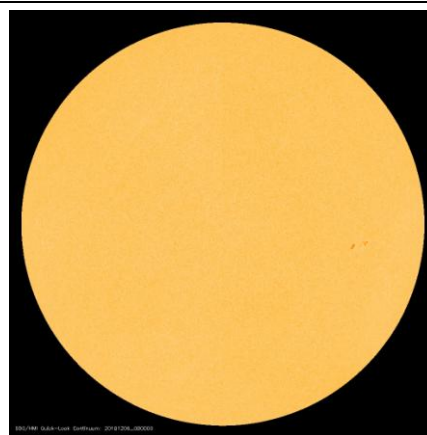
Sunspot Number (SN)	16
Solar radio flux (F10.7)	71 sfu
Solar wind speed	390 km/sec (varied in the past 24 hrs between 387 & 421 km/s)
Solar x-ray flares	A 2.7 (max flare in the past 24 hrs: A 4.0 0554 UT Dec 06)
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)	3.6 nT (varied in the past 24 hrs between 3.4 nT & 4.09 nT) -1.7 nT (varied in the past 24 hrs between -2.3 nT & +0.5 nT)

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

Daily Sun: 6 December 2018

There are no active regions on the solar disk capable of producing strong solar flares.

01 CH is detected on the northern solar limb.



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