

Daily Space Weather Summary (SUPARCO)

Wednesday, June 01, 2022, 12:20 PST



LOCAL CURRENT IONOSPHERIC CONDITIONS (SON)								
Critical Frequency of F2 layer (foF2)		8.8 MHz						
Virtual Height of F2 layer (h`F2)		373 km						
Total Electron Content (TEC)		35 TECU						
Maximum Usable Frequency (MUF) and Optimum Traffic Frequency (FOT) for various distances								
Distance (Km)	100	200	400	600	800	1000	1500	3000
MUF (MHz)	8.9	9.1	9.9	11.1	12.4	13.9	17.5	21.1
FOT (MHz)	7.6	7.7	8.4	9.4	10.5	11.8	14.9	18.0
Local HF conditions are normal as compared to the predicted monthly median MUF.								
LOCAL GEOMAGNETIC CONDITIONS								
K-index		1 (Quiet)						
Total Field (F) (Son/Isb)		45589/50099 nT						
The local geomagnetic field is quite at the moment.								
LATEST SOLAR CONDITIONS								
Sunspot Number (SN)		39						
Solar radio flux (F10.7)		98 sfu						
Solar wind speed		483.9 km/sec (varied in the past 24 hrs between 487 & 535 km/s)						
Solar x-ray flares		B2.8 (max flare in the past 24 hrs: B5, 1508 UT)						
Interplanetary Magnetic Field (IMF)		2.6 nT (varied in the past 12 hrs between 2.9 nT & 4.9 nT)						
Total Field (Bt)		-0.4 nT (varied in the past 12 hrs between -2.6 nT & 0.1 nT)						
Z Component of Field (Bz)								
Solar conditions are at low levels with background X-ray flux at B-class level.								

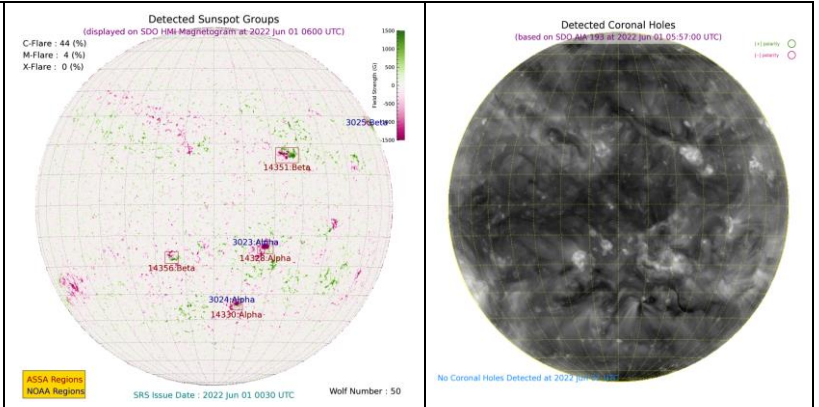
Sonmiani (SON): 25.2° N, 66.75° E, Islamabad (ISB): 33.7° N, 73.13° E

Notes: Credits: www.spaceweather.go.kr, www.sws.bom.gov.au, www.spaceweather.com, www.solen.info

Daily Sun: 1 June 2022

There is no active region present on the Sun capable of producing strong solar flares.

No Coronal Hole (CH) is detected on the solar disk.



DISCUSSION:

Solar activity is expected to remain at low levels. Low solar wind speed and quiet geomagnetic activity is expected. Local HF conditions are normal.