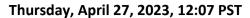
Daily Space Weather Summary (SUPARCO)





23.3

								OOI AILOO	
LOCAL CURRENT IONOSPHERIC CONDITIONS (SON)									
Critical Frequency of F2 layer (foF2)				12.0 MHz					
Virtual Height of F2 layer (h`F2)				325 km					
Total Electron Content (TEC)				50 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)	12.2	12.6	13.9	15.8	18.0	20.2	23.1	27.4	
FOT	10.4	10.7	11.0	12.4	15.2	17.2	10.6	22.2	

Local HF conditions are normal as compared to the predicted monthly median MUF.

11.8

10.7

LOCAL GEOMAGNETIC CONDITIONS				
K-index	2 (Quiet)			
Total Field (F) (Son/Isb)	45515/50025 nT			

13.4

17.2

19.6

15.3

The local geomagnetic field is quiet at the moment.

10.4

(MHz)

LATEST SOLAR CONDITIONS					
Sunspot Number (SN)	81				
Solar radio flux (F10.7)	137 sfu				
Solar wind speed	607.2 km/s (varied in the past 24 hrs between 476 & 720 km/s)				
Solar x-ray flares	B7.7 (max flare in the past 24 hrs (C3 0058 UT)				
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)	+7.5 nT (varied in the past 12 hrs between +6.3 nT & +9.1 nT) +1.1 nT (varied in the past 12 hrs between -3.7 nT & +6.7 nT)				
Solar conditions are at low levels with background X-ray flux at C-class level.					

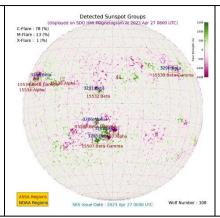
Sonmiani (SON): 25.20 N, 66.750 E, Islamabad (ISB): 33.70 N, 73.130 E

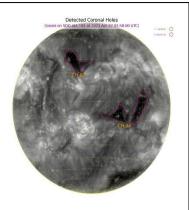
Notes: Credits: www.spaceweather.go.kr,www.sws.bom.gov.au,www.spaceweather.com,www.solen.info

Daily Sun: 27 April 2023

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

02 Coronal Holes (CHs) are detected on the solar disk.





DISCUSSION:

Solar activity is expected to be at low levels. In case of solar flares, shortwave fadeouts may be observed. Low to slightly elevated solar wind speed is expected due to the presence of coronal holes. Geomagnetic activity is expected to be quiet. HF conditions are normal.