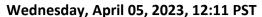
Daily Space Weather Summary (SUPARCO)





25.5

								001711100	
LOCAL CURRENT IONOSPHERIC CONDITIONS (SON)									
Critical Frequency of F2 layer (foF2)				12.8 MHz					
Virtual Height of F2 layer (h`F2)				318 km					
Total Electron Content (TEC)				60 TECU					
Maximum Usable Frequency (MUF) and Optimum Traffic Frequency (FOT) for various distances									
Distance (Km)	100	200	400	600	800	1000	1500	3000	
MUF	13.0	13.5	14.9	17.0	19.4	21.9	27.7	30.0	

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

12.7

LOCAL GEOMAGNETIC CONDITIONS				
K-index	1 (Quiet)			
Total Field (F) (Son/Isb)	45535/50045 nT			

14.5

16.5

18.6

23.5

The local geomagnetic field is quiet at the moment.

11.5

11.1

FOT

(MHz)

LATEST SOLAR CONDITIONS				
Sunspot Number (SN)	44			
Solar radio flux (F10.7)	136 sfu			
Solar wind speed	519.0 km/s (varied in the past 24 hrs between 482 & 545 km/s)			
Solar x-ray flares	B8.3 (max flare in the past 24 hrs (C1, 0522 UT)			
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)	+3.7 nT (varied in the past 12 hrs between +3.2 nT & +5.5 nT) -0.1 nT (varied in the past 12 hrs between -2.5 nT & +2.8 nT)			
Solar conditions are at low levels with background X-ray flux at B-class level.				

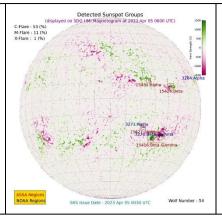
Sonmiani (SON): 25.20 N, 66.750 E, Islamabad (ISB): 33.70 N, 73.130 E

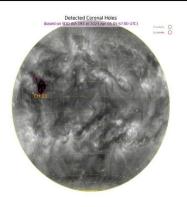
Notes: Credits: www.spaceweather.go.kr,www.sws.bom.gov.au,www.spaceweather.com,www.solen.info

Daily Sun: 5 April 2023

There is one active region AR3270 present on the Sun capable of producing strong M and X-class solar flares having chances of 11% and 1% respectively.

01 Coronal Hole (CH) is 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 to prevail due to the presence of coronal holes. Geomagnetic activity is expected to be quiet. HF conditions are slightly enhanced.