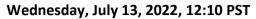
Daily Space Weather Summary (SUPARCO)





20.1

16.5

								00111100	
LOCAL CURRENT IONOSPHERIC CONDITIONS (SON)									
Critical Frequency of F2 layer (foF2)				9.7 MHz					
Virtual Height of F2 layer (h`F2)				370 km					
Total Electron Content (TEC)				20 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)	9.8	10.1	11.0	12.3	13.8	15.4	19.4	23.7	

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

9.4

LOCAL GEOMAGNETIC CONDITIONS				
K-index	1 (Quiet)			
Total Field (F) (Son/Isb)	45113/50123 nT			

10.5

11.7

13.1

The local geomagnetic field is quiet at the moment.

8.6

8.3

FOT

(MHz)

LATEST SOLAR CONDITIONS				
Sunspot Number (SN)	117			
Solar radio flux (F10.7)	161 sfu			
Solar wind speed	520.3 km/sec (varied in the past 24 hrs between 413 & 539 km/s)			
Solar x-ray flares	C1.2 (max flare in the past 24 hrs: (C7, 1354 UT)			
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)	3.5 nT (varied in the past 12 hrs between 4.2 nT & 7.1 nT) 0.3 nT (varied in the past 12 hrs between -4.5 nT & 3.6 nT)			
Color and ities are at made what to bish levels with health would be strong than the Color level				

Solar conditions are at moderate to high levels with background X-ray flux at C-class level.

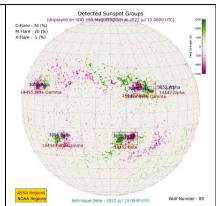
Sonmiani (SON): 25.20 N, 66.750 E, Islamabad (ISB): 33.70 N, 73.130 E

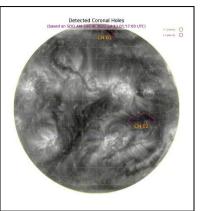
Notes: Credits: www.spaceweather.go.kr,www.sws.bom.gov.au,www.spaceweather.com,www.solen.info

Daily Sun: 13 July 2022

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 remain at moderate to high levels. Minor to moderate radio blackouts may be observed in case of solar flares. Moderate solar wind speed is expected due to the presence of coronal hole. Quiet to unsettled geomagnetic activity is expected. HF conditions are slightly enhanced.