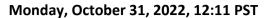
Daily Space Weather Summary (SUPARCO)





LOCAL CURRENT IONOSPHERIC CONDITIONS (SON)								
Critical Frequency of F2 layer (foF2)				11.0 MHz				
Virtual Height of F2 layer (h`F2)				290 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								

25.6 30.2 11.9 14.4 17.7 20.1 11.2 13.4 (MHz) FOT 9.5 10.1 17.1 25.7 11.4 12.2 15.0 21.8 (MHz)

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

LOCAL GEOMAGNETIC CONDITIONS				
K-index	2 (Quiet)			
Total Field (F) (Son/Isb)	45525/50035 nT			

The local geomagnetic field is quiet at the moment.

LATEST SOLAR CONDITIONS				
Sunspot Number (SN)	68			
Solar radio flux (F10.7)	134 sfu			
Solar wind speed	458.0 km/sec (varied in the past 24 hrs between 340 & 604 km/s)			
Solar x-ray flares	B7.8 (max flare in the past 24 hrs: (C1, 0248 UT)			
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)	4.1 nT (varied in the past 12 hrs between 4.4 nT & 4.9 nT) -1.2 nT (varied in the past 12 hrs between -3.1 nT +2.4 nT)			
Solar conditions are at low levels with background X-ray flux at B-class level.				

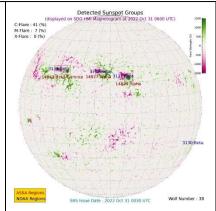
Sonmiani (SON): 25.2° N, 66.75° E, Islamabad (ISB): 33.7° N, 73.13° E

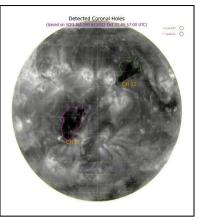
Notes: Credits: www.spaceweather.go.kr,www.sws.bom.gov.au,www.spaceweather.com,www.solen.info

Daily Sun: 31 October 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 be at low levels. Low to moderate solar wind speed is expected to prevail due to the presence of coronal holes. Geomagnetic activity is expected to be quiet. HF conditions are normal.