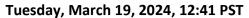
Daily Space Weather Summary (SUPARCO)





							301 ARCO	
LOCAL CURRENT IONOSPHERIC CONDITIONS (SON)								
Critical Frequency of F2 layer (foF2)			8.9 MHz					
Virtual Height of F2 layer (h`F2)			265 km					
Total Electron Content (TEC)			30 TECU					
Maximum Usable Frequency (MUF) and Optimum Traffic Frequency (FOT) for various distances								
100	200	400	600	800	1000	1500	3000	
9.1	9.4	10.0	11.6	13.4	16.7	20.2	22.9	
7.7	8.0	8.5	9.9	11.4	14.1	17.2	19.4	
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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)	45522/50622 nT			

The local geomagnetic field is quiet at the moment.

LATEST SOLAR CONDITIONS				
Sunspot Number (SN)	127			
Solar radio flux (F10.7)	151 sfu			
Solar wind speed	372.5 km/s (varied in the past 24 hrs between 278 & 455 km/s)			
Solar x-ray flares	C2.3 (max flare in the past 24 hrs (M6, 1919 UT)			
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)	+4.0 nT (varied in the past 12 hrs between +4.4 nT & +9.6 nT) -2.5 nT (varied in the past 12 hrs between -6.5 nT & +4.1 nT)			
Solar conditions are at moderate to high levels with background X-ray flux at C-class level.				

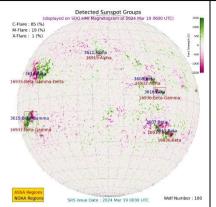
Sonmiani (SON): 25.20 N, 66.750 E, Islamabad (ISB): 33.70 N, 73.130 E

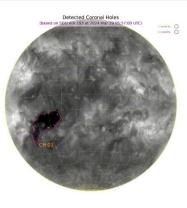
Notes: Credits: www.spaceweather.go.kr,www.sws.bom.gov.au,www.spaceweather.com,www.solen.info

Daily Sun: 19 March 2024

There is one active region AR3615 present on the Sun capable of producing strong M and X-class solar flares having chances of 19% and 1% respectively.

01 Coronal Hole (CH) is detected on the solar disk.





DISCUSSION:

Solar activity is expected to be at moderate to high levels. Multiple M-class solar flares, have already occurred from the region mentioned. In case of more M/X-class solar flares, minor to moderate radio blackouts may be observed. Low to moderate solar wind speed and quiet geomagnetic activity is expected. HF conditions are normal.