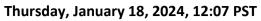
Daily Space Weather Summary (SUPARCO)





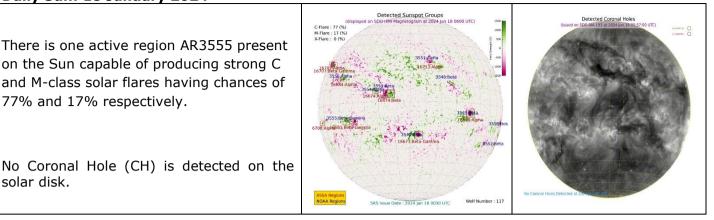
		LOC	CAL CURRENT	IONOSPHERIC	CONDITIONS (SON)		SUTANO
Critical Frequency of F2 layer (foF2)				7.2 MHz				
Virtual Height of F2 layer (h`F2) Total Electron Content (TEC)				254 km 32 TECU				
Distance (Km)	100	200	400	600	800	1000	1500	3000
MUF (MHz)	7.4	7.7	8.8	10.4	12.2	13.8	17.4	21.1
FOT (MHz)	6.3	6.5	7.5	8.8	10.4	11.7	14.8	18.0
Local HF con	ditions are sli	ightly enhance	d as compared	to the predicte	ed monthly med	ian MUF.		
			LOCAL GE	EOMAGNETIC (CONDITIONS			
K-index				0 (Quiet)				
Total Field (F) (Son/Isb)				45618/50628 nT				
The local geo	omagnetic fie	ld is quiet at tl	he moment.					
			LATES	ST SOLAR CON	DITIONS			
Sunspot Number (SN)				158				
Solar radio flux (F10.7)				174 sfu				
Solar wind speed				363.0 km/s (varied in the past 24 hrs between 291 & 482 km/s)				
Solar x-ray flares				C1.0 (max flare in the past 24 hrs (C5, 0408 UT)				
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)				+5.8 nT (varied in the past 12 hrs between +2.1 nT & +8.3 nT) -5.4 nT (varied in the past 12 hrs between -2.8 nT & +3.3 nT)				
Solar conditi	ons are at lov	w levels with b	ackground X-r	ay flux at C-clas	s level.			

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

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

Daily Sun: 18 January 2024

There is one active region AR3555 present on the Sun capable of producing strong C and M-class solar flares having chances of 77% and 17% respectively.



DISCUSSION:

solar disk.

Solar activity is expected to be at low levels. In case of solar flares, shortwave fadeouts may be observed. Low solar wind speed and quiet geomagnetic activity is expected. HF conditions are slightly enhanced.