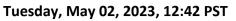
## **Daily Space Weather Summary (SUPARCO)**





		LOC	CAL CURRENT	IONOSPHERIC	CONDITIONS (	SON)		
Critical Frequency of F2 layer (foF2)				12.5 MHz				
Virtual Height of F2 layer (h`F2)				315 km				
Total Electron Content (TEC)				57 TECU				
Maxin	num Usable	e Frequency	(MUF) and	Optimum Tra	ffic Frequenc	y (FOT) for v	various dist	ances
Distance (Km)	100	200	400	600	800	1000	1500	3000
MUF (MHz)	12.7	13.1	14.7	16.6	19.0	21.4	23.2	28.4
FOT (MHz)	10.8	11.1	12.5	14.1	16.2	18.2	19.7	24.1
Local HF con	ditions are no	ormal as comp	ared to the pre	edicted monthly	/ median MUF.			
			LOCAL GE	OMAGNETIC (	CONDITIONS			
K-index				2 (Quiet)				
Total Field (F) (Son/Isb)				45535/50045 nT				
The local geo	omagnetic fie	ld is quiet at tl	ne moment.					
			LATES	ST SOLAR CON	DITIONS			
Sunspot Number (SN)				87				
Solar radio flux (F10.7)				148 sfu				
Solar wind speed				498.5 km/s (varied in the past 24 hrs between 444 & 548 km/s)				
Solar x-ray flares				C1.2 (max flare in the past 24 hrs (M7, 1309 UT)				
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)				+4.7nT (varied in the past 12 hrs between +4.5nT & +5.3 nT) -0.4 nT (varied in the past 12 hrs between -5.1 nT & +3.6 nT)				
Solar condit	ions are at lov	w to moderate	levels with ba	ckground X-ray	flux at C-class le	evel.		

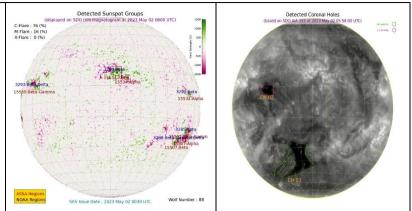
Sonmiani (SON): 25.2º N, 66.75º E, Islamabad (ISB): 33.7º N, 73.13º E

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

## Daily Sun: 2 May 2023

There is one active region AR3288 present on the Sun capable of producing strong C and M-class solar flares having chances of 76% and 16% respectively.

02 Coronal Holes (CHs) are detected on the solar disk.



## **DISCUSSION:**

Solar activity is expected to be at low to moderate levels. In case of solar flares, shortwave fadeouts may be observed. Low to moderate solar wind speed is expected due to the presence of coronal holes. Geomagnetic activity is expected to be quiet. HF conditions are normal.