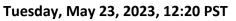
Daily Space Weather Summary (SUPARCO)





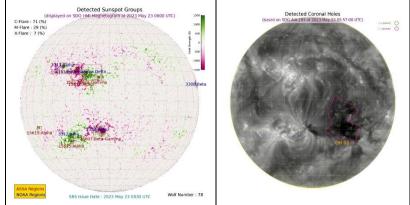
		LOC	CAL CURRENT	IONOSPHERIC	CONDITIONS (S	SON)		
Critical Frequency of F2 layer (foF2)				10.4 MHz				
Virtual Height of F2 layer (h`F2)				288 km				
Total Electron Content (TEC)				47 TECU				
Maxin	num Usable	Frequency	(MUF) and	Optimum Tra	offic Frequenc	y (FOT) for v	various dist	ances
Distance (Km)	100	200	400	600	800	1000	1500	3000
MUF (MHz)	10.5	11.0	12.5	14.5	16.8	19.2	24.7	28.2
FOT (MHz)	8.8	9.4	10.6	12.3	14.3	16.3	21.0	24.0
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 geo	omagnetic fie	ld is quiet at tl	he moment.					
			LATES	ST SOLAR CON	DITIONS			
Sunspot Number (SN)				97				
Solar radio flux (F10.7)				162 sfu				
Solar wind speed				545.7 km/s (varied in the past 24 hrs between 510 & 640 km/s)				
Solar x-ray flares				C1.6 (max flare in the past 24 hrs (M1, 1337 UT)				
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)				+6.3nT (varied in the past 12 hrs between +6.0 nT & +8.5 nT) -4.7 nT (varied in the past 12 hrs between -6.7 nT & +4.0 nT)				
Solar conditi	ions are at mo	oderate levels	with backgrou	nd X-ray flux at	C-class 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: 23 May 2023

There is one active region AR3311 present on the Sun capable of producing strong M and X-class solar flares having chances of 29% and 7% respectively.



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

DISCUSSION:

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