## aily Space Weather Summary (SUPARCO)



Wednesday, June 07, 2023, 12:15 PST

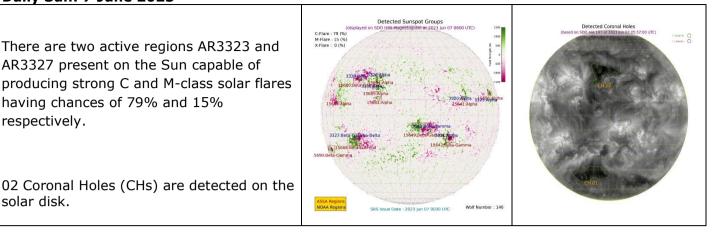
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		LOC	CAL CURRENT	IONOSPHERIC	CONDITIONS (	SON)		
Critical Frequency of F2 layer (foF2)				10.4 MHz				
Virtual Height of F2 layer (h`F2) Total Electron Content (TEC)				280 km 48 TECU				
Distance (Km)	100	200	400	600	800	1000	1500	3000
MUF (MHz)	10.6	11.0	12.6	14.7	17.1	19.6	21.9	26.4
FOT (MHz)	9.0	9.4	10.7	12.5	14.5	16.7	18.6	22.4
Local HF con	ditions are no	ormal as comp	ared to the pre	edicted monthly	median MUF.			
			LOCAL GE	OMAGNETIC	CONDITIONS			
K-index				0 (Quiet)				
Total Field (F) (Son/Isb)				45525/50035 nT				
The local geo	omagnetic fie	ld is quiet at tl	ne moment.	·				
			LATES	ST SOLAR CON	DITIONS			
Sunspot Number (SN)				133				
Solar radio flux (F10.7)				172 sfu				
Solar wind speed				328.0 km/s (varied in the past 24 hrs between 320 & 463 km/s)				
Solar x-ray flares				C6.1 (max flare in the past 24 hrs (C7, 1900 UT)				
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)				+5.4 nT (varied in the past 12 hrs between +4.5 nT & +6.5 nT) -3.0 nT (varied in the past 12 hrs between -1.7 nT & +4.5 nT)				
Solar condition	ons are at mo	oderate levels	with backgrou	nd X-ray flux at	C-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: 7 June 2023

There are two active regions AR3323 and AR3327 present on the Sun capable of producing strong C and M-class solar flares having chances of 79% and 15% respectively.



## **DISCUSSION:**

solar disk.

Solar activity is expected to be at 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. Quiet geomagnetic activity is expected. HF conditions are normal.