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

Thursday, September 28, 2023, 12:10 PST



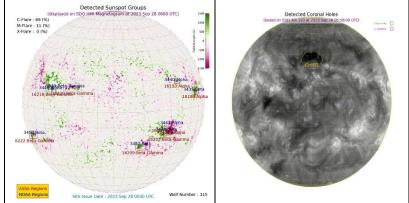
								SUPARC
		LOC	AL CURRENT	IONOSPHERIC	CONDITIONS (	SON)		
Critical Frequency of F2 layer (foF2)				9.4 MHz				
Virtual Height of F2 layer (h`F2) Total Electron Content (TEC)				280 km 32 TECU				
Distance (Km)	100	200	400	600	800	1000	1500	3000
MUF (MHz)	9.5	9.9	11.3	13.3	15.6	17.8	22.8	27.4
FOT (MHz)	8.1	8.4	9.6	11.3	13.3	15.1	19.4	23.3
Local HF cond	ditions are no	ormal as comp	ared to the pre	edicted monthly	r median MUF.			
			LOCAL GE	OMAGNETIC (	CONDITIONS			
K-index				2 (Quiet)				
Total Field (F) (Son/Isb)				45512/50022 nT				
The local geo	magnetic fie	ld is quiet at th	ne moment.					
			LATES	ST SOLAR CON	DITIONS			
Sunspot Number (SN)				138				
Solar radio flux (F10.7)				156 sfu				
Solar wind speed				412.7 km/s (varied in the past 24 hrs between 384 & 522 km/s)				
Solar x-ray flares				C1.2 (max flare in the past 24 hrs (C5, 0019 UT)				
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)				+4.4 nT (varied in the past 12 hrs between +5.0 nT & +5.9 nT) -0.4 nT (varied in the past 12 hrs between -2.0 nT & +2.2 nT)				
Total Field (Bt)				-0.4 nT (varied in the past 12 hrs between -2.0 nT & +2.3 nT)				

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: 28 September 2023

There is one active region AR3449 present on the Sun capable of producing strong C and M-class solar flares having chances of 69% and 11% 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. Low solar wind speed and quiet geomagnetic activity is expected. HF conditions are normal.