Daily Space Weather Summary (SUPARCO)



Tuesday, September 26, 2023, 12:03 PST

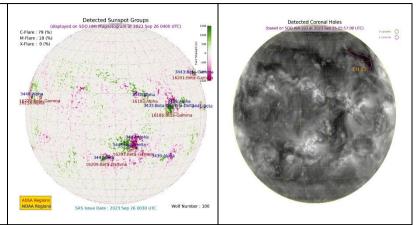
		LOC	CAL CURRENT	IONOSPHERIC	CONDITIONS (SON)		
Critical Frequency of F2 layer (foF2)				10.4 MHz				
Virtual Height of F2 layer (h`F2) Total Electron Content (TEC)				288 km 40 TECU				
Distance (Km)	100	200	400	600	800	1000	1500	3000
MUF (MHz)	10.5	11.0	12.5	14.5	16.8	19.2	24.7	28.2
FOT (MHz)	8.8	9.4	10.6	12.3	14.3	16.3	21.0	24.0
Local HF cond	ditions are no	ormal as comp	ared to the pre	edicted monthly	median MUF.			
			LOCAL GE	OMAGNETIC (CONDITIONS			
K-index				3 (Quiet)				
Total Field (F) (Son/Isb)				45518/50028 nT				
The local geo	magnetic fie	ld is quiet at t	ne moment.					
			LATES	ST SOLAR CON	DITIONS			
Sunspot Number (SN)				164				
Solar radio flux (F10.7)				170 sfu				
Solar wind speed				451.3 km/s (varied in the past 24 hrs between 422 & 513 km/s)				
Solar x-ray flares				C1.7 (max flare in the past 24 hrs (C9, 0813 UT)				
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)				+12.0 nT (varied in the past 12 hrs between +12.1 nT +18.9 nT) -6.3 nT (varied in the past 12 hrs between -6.3 nT & +10. nT)				
Solar condition	ons are at m	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: 26 September 2023

There are three active regions AR3435, AR3443 and AR3445 present on the Sun capable of producing strong C and M-class solar flares having chances of 79% and 18% 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 to slightly elevated solar wind speed is expected to prevail due to the presence of coronal holes. Geomagnetic activity is expected to be quiet. HF conditions are normal.