Daily Space Weather Summary (SUPARCO)





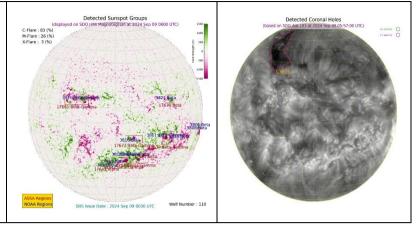
		LOC	AL CURRENT	IONOSPHERIC	CONDITIONS (SON)		
Critical Frequency of F2 layer (foF2)				14.4 MHz				
Virtual Height of F2 layer (h`F2)				378 km				
Total Electron Content (TEC)				70 TECU				
Maxin	num Usable	e Frequency	(MUF) and	Optimum Tra	ffic Frequenc	y (FOT) for v	various dista	ances
Distance (Km)	100	200	400	600	800	1000	1500	3000
MUF (MHz)	14.5	14.8	16.1	17.9	20.1	22.5	28.3	36.0
FOT (MHz)	12.3	12.6	13.7	15.2	17.1	19.1	24.1	30.6
Local HF con	ditions are er	nhanced as cor	npared to the	predicted mont	hly median MUF	÷.		
			LOCAL GE	OMAGNETIC (CONDITIONS			
K-index				1 (Quiet)				
Total Field (F) (Son/Isb)				45674/50714 nT				
The local geo	omagnetic fie	ld is quiet at th	ne moment.	·				
			LATES	ST SOLAR CON	DITIONS			
Sunspot Number (SN)				176				
Solar radio flux (F10.7)				228 sfu				
Solar wind speed				370.4 km/s (varied in the past 24 hrs between 317 & 442 km/s)				
Solar x-ray flares				C5.6 (max flare in the past 24 hrs (M1, 0545 UT)				
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)				+10.9 nT (varied in the past 12 hrs between +8.3 nT & +11.14 nT) +1.07 nT (varied in the past 12 hrs between -6.85 nT & +8.85 nT)				
Solar conditi	ions are at lov	w to moderate	levels with ba	ckground X-ray	flux at C-class le	evel.		

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: 9 September 2024

There are three active regions AR3611, AR3613 and AR3614 present on the Sun capable of producing strong M and X-class solar flares having chances of 26% and 3% respectively.



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

DISCUSSION:

Solar activity is expected to be at low to moderate levels. Some M-class solar flares, have already occurred from the regions mentioned above. In case of more M/X-class solar flares, minor to moderate radio blackouts may be observed. Low to moderate solar wind speed and quiet geomagnetic activity is expected. HF conditions are enhanced.