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





								JUPARU
		LOC	AL CURREN	T IONOSPHERIC	CONDITIONS (	SON)		
Critical Frequency of F2 layer (foF2) Virtual Height of F2 layer (h`F2) Total Electron Content (TEC)				11.4 MHz				
				310 km 52 TECU				
Distance (Km)	100	200	400	600	800	1000	1500	3000
MUF (MHz)	11.6	12.2	13.6	15.5	17.7	20.0	25.3	30.1
FOT (MHz)	9.9	10.4	11.6	13.2	15.0	17.0	21.5	25.6
Local HF con	ditions are sl	ightly enhance	d as compare	ed to the predicte	ed monthly med	lian MUF.		
			LOCAL G	EOMAGNETIC (	CONDITIONS			
K-index				2 (Quiet)				
Total Field (F) (Son/Isb)				45515/50025 nT				
The local geo	omagnetic fie	eld is quiet at th	ne moment.					
			LATI	EST SOLAR CON	DITIONS			
Sunspot Number (SN)				87				
Solar radio flux (F10.7)				134 sfu				
Solar wind speed				511.4 km/s (varied in the past 24 hrs between 490 & 559 km/s)				
Solar x-ray flares				C1.0 (max flare in the past 24 hrs (C1, 0807 UT)				
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)				+5.5 nT (varied in the past 12 hrs between +3.6 nT & +6. nT) +3.0 nT (varied in the past 12 hrs between -3.2 nT & +1. nT)				

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 April 2023

There is no active region present on the Sun capable of producing strong solar flares.
O3 Coronal Holes (CHs) are detected on the solar disk.

## **DISCUSSION:**

Solar activity is expected to be at low levels. In case of solar flares, shortwave fadeouts may be observed. Moderate to slightly elevated solar wind speed is expected due to the presence of coronal holes. Geomagnetic activity is expected to be quiet. HF conditions are slightly enhanced.