

HFUS 3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 094

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 APR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100 TO 03/2100Z: SOLAR ACTIVITY HAS REMAINED LOW THIS PERIOD. THE LARGEST EVENT WAS A C2/SB FROM REGION 4455 (S14W22) WITH XRAY MAXIMUM TIME AT 0625Z. RADIO NOISE STORMS WERE OBSERVED AT 245, 410, AND 610 MHZ. THESE WERE OBSERVED FOR MOST OF THE DAY AND HAD PEAK FLUXERS OF 930, 100, AND 130 SFU RESPECTIVELY. OTHER RADIO ACTIVITY INCLUDED DISCRETE BURSTS ON 245 MHZ WITH THE LARGEST HAVING 1100 SFU AND PEAKING AT 1512Z. REGION 4455 (S14W22) REMAINS THE LARGEST AND MOST IMPRESSIVE REGION ON THE DISK. TODAY IT IS AN FKO GROUP, HAS A WHITE LIGHT AREA OF 740 MILLIONTHS AND HAS A GAMMA DELTA MAGNETIC CLASSIFICATION. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGHOUT THE PERIOD. REGION 4455 HOWEVER, IS STILL CAPABLE OF PRODUCING AN ISOLATED M CLASS EVENT.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY MINOR STORM LEVELS. MAJOR STORM CONDITIONS PREDOMINATED FROM 00 TO 03Z AND ACTIVE CONDITIONS HAVE PREDOMINATED SINCE 1200Z. THIS IS A CONTINUATION OF CORONAL HOLE RELATED ACTIVITY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: CORONAL HOLE RELATED ACTIVITY IS EXPECTED TO CONTINUE PART WAY THROUGH THE 4TH OF APRIL. THIS IS EXPECTED TO RESULT IN HIGH ACTIVE CONDITIONS PREDOMINATING ON THE 4TH AND IN ACTIVE TO UNSETTLED CONDITIONS ON THE 5TH AND 6TH OF APRIL.

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IV. OTTAWA 10.7 CM FLUX

OBSERVED	03 APR	128
PREDICTED	04 APR-06 APR	125/125/124
90 DAY MEAN	03 APR	128

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP 02 APR	033/039
ESTIMATED	AFR/AP 03 APR	030/035
PREDICTED	AFR/AP 04 APR-06 APR	019/025-012/020-014/020

SOLTERWARN

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OBSERVED	AFR/AP 02 APR	033/039
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