

HFLUS 3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 093

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 APR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY HAS BEEN GENERALLY LOW THIS PERIOD. A C7/3B FLARE OCCURRED AT 2136 UT YESTERDAY IN REGION 4462 (S12E53). THIS FLARE WAS ACCCOMPANIED BY A TYPE II RADIO SWEEP, A 110 FLUX UNIT 245 MHZ RADIO BURST AND OTHER MINOR RADIO BURSTS. REGION 4462 REMAINS A SPOTLESS REGION AND THE PLAGUE HAS COOLED DOWN SINCE THE FLARE. REGION 4455 (S13W09) PRODUCED A C9/SB AT 0949 UT. ONLY MINOR RADIO BURSTS WERE ASSOCIATED WITH THIS FLARE. THIS REGION IS PRESENTLY IN THE DECAY PHASE BUT STILL MAINTAINS IT'S F TYPE SPOT GROUP CLASSIFICATION AND GAMMA DELTA MAGNETIC CONFIGURATION. REGION 4458 (N20E06) IS IN IT'S DECAY PHASE AND HAS NOT CONTRIBUTED ANY SIGNIFICANT ACTIVITY THIS PERIOD. NO NEW REGIONS HAVE BEEN NUMBERED SINCE REGION 4462 WAS NUMBERED YESTERDAY AT 2200 UT. THE REMAINDER OF THE DISK APPEARS STABLE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE AT LOW TO MODERATE LEVELS, THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS CONTINUED AT ACTIVE TO STORM LEVELS, AT ALL LATITUDES, THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD REMAIN AT ACTIVE TO STORM LEVELS, AT ALL LATITUDES, FOR THE FIRST TWO DAYS OF THE FORECAST PERIOD. LEVELS SHOULD THEN DROP TO UNSETTLED TO ACTIVE CONDITIONS, AT ALL LATITUDES, THE FINAL DAY OF THE PERIOD.

III. EVENT PROBABILITIES 03 APR-05 APR

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 APR 139

PREDICTED 03 APR-05 APR 136/135/133

90 DAY MEAN 02 APR 128

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 APR 021/037

ESTIMATED AFR/AP 02 APR 027/035

PREDICTED AFR/AP 03 APR-05 APR 022/025-019/025-012/020

SOLTERWARN

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