

HFUS 3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 100

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 APR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100Z TO 09/2100Z: SOLAR ACTIVITY WAS LOW. REGION 4464 (S08W28) REGAINED A SIMPLE ALPHA-TYPE SPOT NORTH-EAST OF ITS LAST SIGHTING ON 6 APR. ONE NEW REGION WAS ASSIGNED. REGION 4467 (N06W39) WAS A C40 CLASSIFICATION IN WHITE-LIGHT WITH A BETA MAGNETIC CONFIGURATION. OUR MAIN TELETYPE/COMMUNICATION CIRCUIT WAS GARBLING UNTIL 9/1800Z WHEN WE LOST IT COMPLETELY. SESC DATA BASE WAS LIMITED AFTER THAT TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. RETURNING REGION 4443 (N13,CAR-110) IS EXPECTED AT 11/2000Z. THIS REGION PROVIDES A SLIGHT CHANCE OF MODERATE LEVEL ACTIVITY ON THE THIRD DAY (12 APR).

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: GEOMAGNETIC ACTIVITY WAS AT MINOR TO MAJOR STORM LEVELS. MAJOR LEVELS WERE REPORTED AT MID-LATITUDES FROM 9/0000-0300Z; AND AT HIGH LATITUDES FROM 9/0000-0600Z. THIS DISTURBANCE WAS ATTRIBUTED TO DISAPPEARING FILAMENTS OF 5/6 APR.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE AT ACTIVE-TO-MINOR STORM LEVELS FOR THE FIRST DAY (10 APR), WITH BRIEF MAJOR LEVELS AT HIGH LATITUDES DURING NIGHT-TIME PERIODS. THE ACTIVITY IS EXPECTED TO DECREASE TO ACTIVE LEVELS THROUGHOUT THE REMAINDER OF THE FORECAST PERIOD. THIS INITIAL DAY OF DISTURBANCE IS ATTRIBUTED TO DISAPPEARING FILAMENTS.

III. EVENT PROBABILITIES 10 APR-12 APR

CLASS M 05/10/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 APR 095

PREDICTED 10 APR-12 APR 095/099/102

90 DAY MEAN 09 APR 129

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 APR 036/059

ESTIMATED AFR/AP 09 APR 025/035

PREDICTED AFR/AP 10 APR-12 APR 017/020-016/015-018/020

SOLTERWARN

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