

HFUS3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 251

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100 TO 07/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4573 (N01W16) PRODUCED A B3/F EVENT AT 07/0742Z. IT CONTINUED TO SUPPORT AN ARCHED FILAMENT SYSTEM AT END-OF-PERIOD, BUT WAS DECAYING IN MOST OTHER ASPECTS. A DISAPPEARING FILAMENT WAS REPORTED TO HAVE LEFT FROM S10, CAR-082 TO S18, CAR-081 BEFORE 07/0031Z. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4566 (S14, CAR-271) IS EXPECTED TO RETURN AT 10/0000Z.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: GEOMAGNETIC ACTIVITY WAS AT ACTIVE TO UNSETTLED LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS. THIS SLIGHT ENHANCEMENT OVER RECURRENT UNSETTLED VALUES IS EXPECTED DUE TO MINOR FILAMENT DISAPPEARANCES OVER THE PAST DAYS.

III. EVENT PROBABILITIES 08 SEP-10 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 SEP 084

PREDICTED 08 SEP-10 SEP 082/081/080

90 DAY MEAN 07 SEP 090

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 SEP 012/015

ESTIMATED AFR/AP 07 SEP 010/010

PREDICTED AFR/AP 08 SEP-10 SEP 019/020-018/015-017/020

SOLTERWARN

BT