

HFUS3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 253

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 SEP 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100 TO 10/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4693 (S20E24) EXHIBITED A POINT BRIGHTENING AND AN ACTIVE DARK FILAMENT BUT REMAINED SPOTLESS. NO LIMB ACTIVITY WAS REPORTED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO OCCASIONALLY ACTIVE FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED UNTIL LATE TOMORROW, WHEN GENERALLY ACTIVE CONDITIONS ARE FORECAST TO BEGIN. THIS DISTURBANCE IS PREDICTED IN RESPONSE TO FILAMENT DISAPPEARANCES ON 7 SEPTEMBER. THE GEOMAGNETIC FIELD SHOULD RETURN TO UNSETTLED LEVELS BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 11 SEP-13 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 SEP 069

PREDICTED 11 SEP-13 SEP 070/070/070

90 DAY MEAN 10 SEP 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 SEP 012/020

ESTIMATED AFR/AP 10 SEP 013/018

PREDICTED AFR/AP 11 SEP-13 SEP 015/020-025/025-015/015

SOLTERWARN

BT