

HFUS3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 250

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 SEP 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100 TO 07/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. NO NEW REGIONS WERE NUMBERED TODAY. THE DISK WAS SPOTLESS AGAIN TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 72 HOURS. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT 24 HOURS. ACTIVITY IS EXPECTED TO INCREASE DURING THE SUBSEQUENT 24 HOURS WITH ACTIVE CONDITIONS AT MIDDLE LATITUDES AND PERIODS OF MINOR STORM AT HIGH LATITUDES. THE FIELD IS THEN EXPECTED TO BE RETURN TO UNSETTLED TO ACTIVE CONDITIONS DURING THE LAST 24 HOURS OF THE FORECAST PERIOD. THE SOURCE OF THE INCREASE IN ACTIVITY IS ATTRIBUTED TO THE EFFECTS OF A WEAK CORONAL HOLE THAT PASSED THE CENTRAL SOLAR MERIDIAN ON 06 SEPTEMBER. RECURRENCE SUGGESTS THAT CORONAL HOLE RELATED ACTIVITY WILL PERSIST THROUGH 11 SEPTEMBER.

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 070

PREDICTED 08 SEP-10 SEP 069/068/068

90 DAY MEAN 07 SEP 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 SEP 009/014

ESTIMATED AFR/AP 07 SEP 010/015

PREDICTED AFR/AP 08 SEP-10 SEP 012/025-018/025-012/020

SOLTERWARN

BT