

HFUS3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 251

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 SEP 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THE SOLAR DISK WAS SPOTLESS AND NO NEW REGIONS WERE NUMBERED TODAY.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS. INCREASED ACTIVITY IS ATTRIBUTED TO A RECURRENT CORONAL HOLE THAT PASSED THE CENTRAL SOLAR MERIDIAN ON 06 SEPTEMBER. THIS CORONAL HOLE IS NOT AS INTENSE AS ITS APPEARANCE ON THE LAST SOLAR ROTATION.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE WITH PERIODS OF MINOR STORM CONDITIONS AT HIGH LATITUDES FOR THE NEXT 24 HOURS. THE FIELD IS THEN EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE LAST 48 HOURS OF THE FORECAST PERIOD. THE EFFECTS OF THE RECURRENT CORONAL HOLE ARE NOT EXPECTED TO LINGER PAST 11 SEPTEMBER.

III. EVENT PROBABILITIES 09 SEP-11 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 SEP 069

PREDICTED 09 SEP-11 SEP 068/068/069

90 DAY MEAN 08 SEP 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 SEP 009/013

ESTIMATED AFR/AP 08 SEP 012/020

PREDICTED AFR/AP 09 SEP-11 SEP 018/025-012/020-010/015

SOLTERWARN

BT