

HFUS3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 248

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 SEP 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. NO SPOTTED REGIONS WERE OBSERVED ON THE DISK. AN ACTIVE PROMINENCE WAS REPORTED ON THE SOUTHEAST LIMB. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 72 HOURS. THE ABSENCE OF ACTIVE REGIONS OR SIGNIFICANT RETURNING REGIONS PROVIDES VERY LITTLE CHANCE OF ANY INCREASE IN SOLAR ACTIVITY DURING THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE FOR THE NEXT 72 HOURS. THE PRESENCE OF A CROSS-EQUATORIAL CORONAL HOLE NEAR THE CENTRAL MERIDIAN HAS INCREASED THE PROBABILITY OF GEOMAGNETIC EFFECTS ON 08 SEPTEMBER AND SEVERAL DAYS FOLLOWING. THIS CORONAL HOLE WAS RESPONSIBLE FOR GEOMAGNETIC STORMING AT MIDDLE AND HIGH LATITUDES ON THE LAST SOLAR ROTATION.

III. EVENT PROBABILITIES 06 SEP-08 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 SEP 071

PREDICTED 06 SEP-08 SEP 071/071/072

90 DAY MEAN 05 SEP 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 SEP 002/007

ESTIMATED AFR/AP 05 SEP 004/008

PREDICTED AFR/AP 06 SEP-08 SEP 010/015-008/015-012/020

SOLTERWARN

BT