

HFUS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 237

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 AUG 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100 TO 25/2100Z: SOLAR ACTIVITY CONTINUES VERY LOW. THE DISK IS DEVOID OF SPOTS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE VERY LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS THE MAJORITY OF THE PAST 24 HOURS. A PERIOD OF MINOR STORM CONDITIONS WAS OBSERVED FROM APPROXIMATELY 0600 TO 1200Z, WITH AN INFERRED CORONAL HOLE BEING A LIKELY SOURCE OF THE DISTURBANCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: ACTIVE CONDITIONS SHOULD PERSIST FOR THE NEXT THREE DAYS. AUGUST 27TH IS EXPECTED TO BE THE MOST DISTURBED DAY OF THE PERIOD.

III. EVENT PROBABILITIES 26 AUG-28 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 AUG 071

PREDICTED 26 AUG-28 AUG 072/072/073

90 DAY MEAN 25 AUG 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 AUG 011/012

ESTIMATED AFR/AP 25 AUG 019/025

PREDICTED AFR/AP 26 AUG-28 AUG 020/025-025/030-015/025

SOLTERWARN

BT