

AFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 226

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 AUG 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THE DISK AND LIMBS WERE SPOTLESS AND QUIET EXCEPT FOR SEVERAL DISAPPEARING FILAMENTS IN THE NORTHWEST AND SOUTHEAST QUADRANTS. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT 72 HOURS. THE PROBABILITY OF ENERGETIC EVENTS OR THE DEVELOPMENT OF ACTIVE REGIONS IS LOW. NO SIGNIFICANT REGIONS ARE DUE FOR RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS FOR THE PAST 24 HOURS. THE MAJOR STORM THAT BEGAN WITH A GRADUAL COMMENCEMENT 12/1450UT HAS DIMINISHED IN INTENSITY. PERIODS OF MAJOR STORMING CONTINUED AT HIGH LATITUDES UNTIL 14/1200UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT 72 HOURS. THE DISTURBANCE IS EXPECTED TO CONTINUE ITS DECAY FOR THE NEXT 48 HOURS. IN RESPONSE TO THE EFFECTS OF DISAPPEARING FILAMENTS 12-14 AUGUST THE PROBABILITY OF GEOMAGNETIC STORMING IS ENHANCED AFTER 16 AUGUST.

III. EVENT PROBABILITIES 15 AUG-17 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 AUG 068

PREDICTED 15 AUG-17 AUG 068/069/069

90 DAY MEAN 14 AUG 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 AUG 041/060

ESTIMATED AFR/AP 14 AUG 020/028

PREDICTED AFR/AP 15 AUG-17 AUG 014/020-010/015-015/025

SOLTERWARN

BT