

HFUS3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 259

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 SEP 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100Z TO 16/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4694 (S10E27) REMAINED A SIMPLE CSO. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD WAS AT A MINOR STORM LEVEL. A MINOR GEOMAGNETIC STORM STARTED AT 15/1800Z WITH A GRADUAL COMMENCEMENT, THEN INCREASED FROM UNSETTLED TO STORM LEVELS. IT HAD NOT OFFICIALLY ENDED BY THE END OF THE PERIOD. MAJOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES. THIS DISTURBANCE WAS POSSIBLY CAUSED BY A DISAPPEARING FILAMENT OF NINE DEGREES LENGTH FROM S42W36 ON 11/2342Z SEP.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE.

III. EVENT PROBABILITIES 17 SEP-19 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 SEP 070

PREDICTED 17 SEP-19 SEP 070/070/070

90 DAY MEAN 16 SEP 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 SEP 013/017

ESTIMATED AFR/AP 16 SEP 024/034

PREDICTED AFR/AP 17 SEP-19 SEP 015/015-016/020-017/020

SOLTERWARN

BT