

HFUS3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 261

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 SEP 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100 TO 18/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4694 (S10W04) DISPLAYED GROWTH TO A BETA TYPE. LIMITED DATA AGAIN INDICATES THE POSSIBILITY OF A MORE COMPLEX MAGNETIC CONFIGURATION. IT PRODUCED SUB-FAINT FLARES WITH VERY LOW X-RAYS. NO NEW REGION WAS ASSIGNED.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED. ACTIVE CONDITIONS OCCURRED AT HIGH LATITUDES.

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

III. EVENT PROBABILITIES 19 SEP-21 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 SEP 070

PREDICTED 19 SEP-21 SEP 070/069/069

90 DAY MEAN 18 SEP 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 SEP 016/016

ESTIMATED AFR/AP 18 SEP 008/020

PREDICTED AFR/AP 19 SEP-21 SEP 013/020-010/015-010/015

SOLTERWARN

BT