

HFUS 3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 285

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY REMAINED AT A LOW LEVEL DURING THIS PERIOD. REGION 4328 (N08W58) PRODUCED THE LARGEST EVENT THIS PERIOD A C4/1N AT 1705UT. REGION 4335 (N22E03) ALSO HAD A C4/1B AT 0543UT. ALL REGIONS WERE GENERALLY STABLE THIS PERIOD AND NO NEW REGIONS WERE OBSERVED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW DURING THIS FORECAST PERIOD. THE CURRENT DISK REGIONS DO NOT APPEAR CAPABLE OF "M" CLASS EVENTS. RETURNING REGIONS WERE SMALL AND SIMPLE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD WAS AT QUIET LEVELS DURING THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE DURING THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 13 OCT-15 OCT

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 OCT 134

PREDICTED 13 OCT-15 OCT 132/127/120

90 DAY MEAN 12 OCT 121

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 OCT 006/009

ESTIMATED AFR/AP 12 OCT 008/015

PREDICTED AFR/AP 13 OCT-15 OCT 015/015-018/020-010/015

SOLTERWARN

BT