

FUS 3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 253

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100 TO 10/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. NO SIGNIFICANT SOLAR OPTICAL OR RADIO EVENTS HAVE BEEN OBSERVED. THE THREE LARGEST REGIONS ON THE DISK, 4304 (N10W38), 4305 (S10W38) AND 4307 (S10W10), ARE CLEARLY DECAYING IN WHITE LIGHT. TWO NEW A-TYPE SPOT GROUPS WERE IDENTIFIED DURING THE DAY: 4313 (N05E16) AND 4314 (N11E23).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW LEVELS OVER THE NEXT THREE DAYS. REGIONS CURRENTLY ON THE DISK ARE DULL AND INACTIVE. NO NEW ACTIVE REGIONS ARE SCHEDULED TO RETURN OVER THE EAST LIMB.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED DURING THE DAY WITH ACTIVE PERIODS REPORTED AT HIGH LATITUDES BETWEEN 00-03Z AND AFTER 1500Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT UNSETTLED LEVELS WITH BRIEF PERIODS OF ACTIVE CONDITIONS POSSIBLE FOR SHORT INTERVALS.

III. EVENT PROBABILITIES 11 SEP-13 SEP

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 SEP 108

PREDICTED 11 SEP-13 SEP 106/104/102

90 DAY MEAN 10 SEP 125

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 SEP 015/015

ESTIMATED AFR/AP 10 SEP 010/015

PREDICTED AFR/AP 11 SEP-13 SEP 010/015-005/010-005/010

SOLTERWARN

BT