

FUS 3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 101

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 APR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100 TO 11/2100Z: SOLAR ACTIVITY IS LOW. REGION 4137 (S10W54) MAY RESUME ITS GROWTH AS A STRONG ARCH FILAMENT SYSTEM IS NOW

VISIBLE IN THIS REGION. REGION 4138 (S16W09) ALSO HAS AN ARCH FILAMENT SYSTEM BUT IT IS REPORTEDLY WEAK. A NEW REGION, 4143 (S13E09) DEVELOPED TODAY. IT IS VERY CLOSE TO REGION 4140

(S09E08) BUT WAS REPORTED AS BEING SEPARATE BY THREE

OBSERVATORIES. THE OTHER DISK REGIONS ARE BASICALLY QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW. OLD REGION 4122 IS DUE TO RETURN TOMORROW BUT IT WAS QUIET LAST ROTATION.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: QUIET TO UNSETTLED CONDITIONS ARE EXPECTED THROUGHOUT THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 12 APR-14 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 APR 104

PREDICTED 12 APR-14 APR 105/105/107

90 DAY MEAN 11 APR 122

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 APR 021/023

ESTIMATED AFR/AP 11 APR 011/010

PREDICTED AFR/AP 12 APR-14 APR 012/015-014/015-010/015

SOLTERWARN

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