

HFUS3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 283

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THE ONLY SPOTTED REGION ON THE VISIBLE DISK IS REGION 4582 (S05W12) WHICH IS A SMALL, SIMPLE BIPOLAR GROUP. REGION 4582 GREW RAPIDLY YESTERDAY BUT HAS REMAINED MOSTLY STABLE TODAY DESPITE ARCH FILAMENT SYSTEMS AND ACTIVE DARK FILAMENTS IN PROGRESS. SEVERAL OBSERVATORIES HAVE REPORTED ACTIVE PROMINENCES ON THE WEST LIMB NEAR S17, N26 AND N39. THERE ARE NO REPORTS OF ACTIVITY ON THE EAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT VERY LOW LEVELS THROUGHOUT THE FORECAST PERIOD. THERE ARE NO REGIONS EXPECTED TO RETURN OVER THE EAST LIMB DURING THE NEXT 3 DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD HAS BEEN MOSTLY UNSETTLED DURING THE PAST 24 HOURS, EXCEPT DURING LOCAL NIGHTTIME HOURS WHEN PERIODS AT ACTIVE LEVELS WERE RECORDED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO PERSIST AT MOSTLY UNSETTLED LEVELS THROUGHOUT THE FORECAST PERIOD WITH A SLOW TREND TOWARD GENERALLY QUIET CONDITIONS.

III. EVENT PROBABILITIES 10 OCT-12 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 OCT 074

PREDICTED 10 OCT-12 OCT 075/075/075

90 DAY MEAN 09 OCT 081

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 OCT 019/025

ESTIMATED AFR/AP 09 OCT 015/020

PREDICTED AFR/AP 10 OCT-12 OCT 015/015-010/015-010/010

SOLTERWARN

BT