

FUS 3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 190

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL. REGION 4235 (S19W30) HAS EXHIBITED SOME FLUX EMERGENCE FORMING A BETA GAMMA CONFIGURATION BUT LITTLE ACTIVITY HAS RESULTED. SMALL, BUT LONGITUDINALLY EXTENSIVE, REGION 4234 (S10W25) HAS DEVELOPED AN ISOLATED POLE NEAR ITS LEADER SPOTS RESULTING IN TECHNICAL BUT VERY WEAK BETA GAMMA MAGNETIC CLASSIFICATION. SEVERAL SMALL EMERGING FLUX REGIONS HAVE BEEN OBSERVED BY THE NETWORK - ONE WAS NUMBERED AS REGION 4239 (N06E13).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW FOR THE NEXT THREE DAYS. LONGITUDES DUE TO RETURN DURING THE FORECAST PERIOD PRODUCED FOUR CLASS M FLARES DURING THEIR LAST TRANSIT BUT ARE NOT EXPECTED TO BE AS ACTIVE THIS ROTATION.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE DURING THE PERIOD. SOME SITES EXPERIENCED ACTIVE TO MINOR STORM CONDITIONS DURING THE PERIODS 09/0300-0600Z AND 09/1000-1300Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD CONTINUE AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 10 JUL-12 JUL

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JUL 119

PREDICTED 10 JUL-12 JUL 117/117/117

90 DAY MEAN 09 JUL 134

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 JUL 013/015

ESTIMATED AFR/AP 09 JUL 014/015

PREDICTED AFR/AP 10 JUL-12 JUL 012/015-012/015-012/020

SOLTERWARN

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