

BT
HFUS 1 BOU 091300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 282A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 09 OCT 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/1200Z TO 09/1200Z: SOLAR ACTIVITY HAS VERGED ON VERY LOW WITH NO XRAY EVENTS LARGER THAN C1 FOR THE PAST 48 HOURS. ALL FIVE OF THE SPOTTED REGIONS ARE SMALL AND STABLE. REGION 3940(N15E13) FORMED TODAY BETWEEN TWO OTHER SMALL REGIONS. ITS GROWTH HAS ALREADY SLOWED. A BRIGHT PLAGE AT N12E75 HAS BEEN NUMBERED REGION 3941. NO SPOTS HAVE BEEN OBSERVED YET AT THIS LOCATION. THESE TWO NEW REGIONS MAY ACCOUNT FOR THE RADIO FLUX REMAINING STEADY FOR THE PAST 24 HOURS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. NO SIGNIFICANT REGIONS ARE EXPECTED TO RETURN TO EAST LIMB IN THE NEXT THREE DAYS. FLUX EMERGENCE ON THE DISK HAS NEARLY CEASED.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD CONTINUED ACTIVE FOR THE EARLY PART OF THIS PERIOD, BUT BECAME QUIET FOR THE PAST 15 HOURS. QUIET TO SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS AND GENERALLY UNSETTLED CONDITIONS FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 OCT-12 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 OCT 137

ESTIMATED 09 OCT 135

PREDICTED 10 OCT-12 OCT 133/130/130

90 DAY MEAN 08 OCT 170

V. GEOMAGNETIC A INDICES

OBSERVED AFR 07 OCT 027 AP 08 OCT 020

ESTIMATED AFR 08 OCT 017 AFR/AP 09 OCT 004/010

PREDICTED AFR/AP 10 OCT-12 OCT 008/015-010/015-010/010

SOLTERWARN

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