

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 303

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 29 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100 TO 29/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. A SPOT EMERGED IN A REGION OF SCATTERED PLAGE EARLY IN THE REPORTING PERIOD, AND WAS NUMBERED 4588 (N02E42). HOWEVER, NO SPOTS HAVE BEEN VISIBLE IN RECENT HOURS. THE EASTERN PORTION OF A WEAK FILAMENT THAT EXTENDED 50 DEGREES EAST-WEST ACROSS THE DISK NEAR HELIOLATITUDE N42 YESTERDAY FADED TODAY. AN ACTIVE PROMINENCE WAS REPORTED ON THE EAST LIMB NEAR S08 AT APPROXIMATELY 0445 UT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS. OLD REGION 4583 (S08 CARRINGTON LONGITUDE 293) MAY RETURN ON 1 NOV. IT WAS NUMBERED LAST ROTATION AT W80 AS AN A-TYPE SPOT.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY QUIET UNTIL 2 NOVEMBER WHEN THE EFFECTS OF AN EQUATORIAL CORONAL HOLE ARE EXPECTED TO BRING STORM-LEVEL GEOMAGNETIC ACTIVITY. THIS DISTURBANCE COULD BEGIN LATE ON 1 NOVEMBER, WHICH IS THE LAST DAY OF THIS FORECASTING PERIOD.

III. EVENT PROBABILITIES 30 OCT-01 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 OCT 069

PREDICTED 30 OCT-01 NOV 070/070/070

90 DAY MEAN 29 OCT 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 OCT 007/010

ESTIMATED AFR/AP 29 OCT 008/010

PREDICTED AFR/AP 30 OCT-01 NOV 010/015-010/015-015/020

SOLTERWARN

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