

FUS 3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 092

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 APR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY HAS CONTINUED LOW. REGION 4127 (S17W18) HAS DECAYED SLIGHTLY BUT STILL CONTAINS A WEAK DELTA CONFIGURATION IN ITS TRAILER WHERE DECREASED MAGNETIC GRADIENTS HAVE BEEN OBSERVED. A SMALL CLASS C GROUP ROTATED ONTO THE VISIBLE DISK AT (S12E76) AND WAS NUMBERED 4135. REGIONS 4129 (S22W14) AND 4131 (S06W37) HAVE BEEN REPORTED AS GROWING SLOWLY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE LOW FOR THE NEXT THREE DAYS. THE POSSIBILITY OF AN ISOLATED LOW LEVEL CLASS M FROM THIS REGION EXISTS, BUT SMALL CLASS C FLARES ARE MORE LIKELY. NO SIGNIFICANT ACTIVE REGIONS ARE EXPECTED AT THE EAST LIMB DURING THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE UNSETTLED TO SLIGHTLY ACTIVE FOR THE DURATION OF THE FORECAST PERIOD. THE ACTIVE CONDITIONS ON 04-05 APR SHOULD RESULT FROM SEVERAL SMALL FILAMENT DISAPPEARANCES ON 31 MAR-01 APR.

III. EVENT PROBABILITIES 03 APR-05 APR

CLASS M 10/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 APR 101

PREDICTED 03 APR-05 APR 102/102/100

90 DAY MEAN 02 APR 128

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 APR 022/023

ESTIMATED AFR/AP 02 APR 012/015

PREDICTED AFR/AP 03 APR-05 APR 012/015-015/015-015/015

SOLTERWARN

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