

HFUS3 BOU 172200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 076

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE LAST 24 HOURS. REGION 4633 (S12E32), WHICH PRODUCED A SUBFAINT FLARE AT 1129 UT, CONTINUED ITS GROWTH AND IS NOW A C-TYPE GROUP WITH AN ASSOCIATED ACTIVE DARK FILAMENT. NO NEW REGIONS WERE NUMBERED TODAY. ACTIVITY ON THE EAST LIMB INCLUDED A SURGE NEAR S08 AT 0435UT AND A PROMINENCE NEAR S42 WHICH WAS ACTIVE THROUGHOUT THE DAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. INCREASED GROWTH IN REGION 4633 IS EXPECTED TO ENHANCE THE PROBABILITY OF FLARE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO PERSIST AT MOSTLY QUIET LEVELS FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 18 MAR-20 MAR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAR 073

PREDICTED 18 MAR-20 MAR 074/074/074

90 DAY MEAN 17 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 MAR 009/013

ESTIMATED AFR/AP 17 MAR 007/008

PREDICTED AFR/AP 18 MAR-20 MAR 007/015-007/015-007/015

SOLTERWARN

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