

HFUS3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 031

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100Z TO 31/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. TWO NEW REGIONS DEVELOPED TODAY AND WERE NUMBERED 4620 (S14W01) AND 4621 (N19W01). BOTH REGIONS ARE CURRENTLY ALPHA-TYPE GROUPS.

A LARGE FILAMENT IS IN THE PROCESS OF DISAPPEARING IN THE NE QUADRANT. A TWELVE DEGREE SEGMENT HAS DISAPPEARED AND THE REMAINDER IS BARELY VISIBLE. YESTERDAY THIS FILAMENT WAS IN EXCESS OF 20 DEGREES LONG.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD WAS AT UNSETTLED TO ACTIVE LEVELS WITH ISOLATED PERIODS OF MINOR STORM CONDITIONS AT THE HIGHER LATITUDES DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED THROUGHOUT THE FORECAST PERIOD. THE DISAPPEARING FILAMENT MENTIONED ABOVE IS NOT EXPECTED TO EFFECT THE GEOMAGNETIC FIELD BECAUSE OF ITS NORTHERN LOCATION.

III. EVENT PROBABILITIES 01 FEB-03 FEB

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 JAN 070

PREDICTED 01 FEB-03 FEB 071/071/072

90 DAY MEAN 31 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 JAN 015/017

ESTIMATED AFR/AP 31 JAN 018/020

PREDICTED AFR/AP 01 FEB-03 FEB 010/010-010/010-010/010

SOLTERWARN

BT