

HFUS 1 BOU 131400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 044A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 13 FEB 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
12/1200UT TO 13/1200UT:

SOLAR ACTIVITY HAS BEEN MODERATE. FOUR M1 CLASS EVENTS HAVE  
OCCURRED. ASSOCIATED OPTICAL WAS ALL SUBCLASS. CONTRIBUTIONS  
FROM REGION 2930 (N11W32) HAVE BEEN MODEST, ALTHOUGH IT APPEARS  
TO REMAIN THE MOST SIGNIFICANT REGION. IT HAS BEEN REPORTED IN  
SLIGHT DECLINE. ENERGETIC ACTIVITY WAS OBSERVED BOTH IN REGIONS  
2945 (N13E70) AND 2941 (N15E48) ALTHOUGH NEITHER EXHIBITS  
FEATURES CONSISTENT WITH GREAT POTENTIAL.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY SHOULD CONTINUE AT MODERATE LEVELS. CONTRIBUTIONS  
CAN BE EXPECTED FROM REGIONS 2930, 2941, 2945. ADDITIONAL  
POSSIBLE SOURCES SHOULD BE ARRIVING ON THE DISK SOON.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED.  
SOMEWHAT MORE UNSETTLED CONDITIONS MAY OCCUR FOR A FEW HOURS  
FOLLOWED BY A RETURN TO NEAR QUIET.

III. EVENT PROBABILITIES: 14-16 FEB

CLASS M 80/80/80

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 12 FEB 199

ESTIMATED 13 FEB 202

PREDICTED 14-16 FEB 206/210/205

90 DAY MEAN 12 FEB 198

V. GEOMAGNETIC A INDICES

OBSERVED AFR 11 FEB 09 AP 12 FEB 10

ESTIMATED AFR 12 FEB 08 AFR/AP 13 FEB 07/14

PREDICTED AFR/AP 14-16 FEB 09/10 08/10 08/08

SOLTERWARN

BT

HFUS 3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 044B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200UT 13 FEB 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
13/1200UT TO 13/2200UT:

SOLAR ACTIVITY HAS BEEN LOW THE PAST 10 HOURS. REGION 2930  
(N12W37) IS RESTRUCTURING BUT STILL CONTAINS A DELTA CON-  
FIGURATION IN A SPOT GROUP OF CLASS/AREA F/760. IT HAS PRODUCED  
POINT BRIGHTENINGS AND SMALL SUBFLARES ALL DAY WITH 4 ASSOCIATED  
CLASS C XRAY EVENTS. THE LARGEST WAS A C5 AT 1945Z. REGION 2945  
HAS PRODUCED ONLY ONE SMALL C2 XRAY EVENT AT 1652Z. REGION 2941  
ALSO REMAINS QUIET.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE MODERATE WITH CLASS M FLARE  
POSSIBLE FROM REGIONS 2930, 2945 AND 2941.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED.

III. EVENT PROBABILITIES: 14-16 FEB

CLASS M 80/80/80

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 13 FEB 203

PREDICTED 14-16 FEB 206/208/210

90 DAY MEAN 13 FEB 198

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 FEB 08/10

ESTIMATED AFR/AP 13 FEB 08/09

PREDICTED AFR/AP 14-16 FEB 09/10 08/10 08/08

SOLTERWARN

BT