

HFUS 1 BOU 121400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 012A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1200UT 12 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
11/1200UT TO 12/1200UT:

SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONLY 4 CLASS C2 OR  
SMALLER XRAY EVENTS OBSERVED. REGION 2874 (S14W02) CONTINUES  
TO BE THE MOST INTERESTING REGION WITH A SPOT GROUP OF CLASS/  
AREA E/400, BUT IT IS MAGNETICALLY SIMPLE AND IT HAS NEVER  
PRODUCED SIGNIFICANT FLARE ACTIVITY. THE OTHER 8 SPOTTED  
REGIONS ON THE DISK ARE SMALL AND SIMPLE. TWO NEW REGIONS  
WERE NUMBERED TODAY, REGION 2889 (S12E21) AND REGION 2890  
(S19 E36). TWO SUBFLARES WERE REPORTED IN REGION 2890 WHICH  
CONTAINS A SMALL D TYPE SPOT GROUP AND A WEAK FLARE.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH ONLY SIMPLE  
REGIONS ON THE DISK AND NO ACTIVITY OBSERVED ON THE EAST LIMB.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET THE PAST 24  
HOURS. UNSETTLED CONDITIONS ARE EXPECTED DURING THE FORECAST  
PERIOD.

III. EVENT PROBABILITIES: 13-15 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 11 JAN 166

ESTIMATED 12 JAN 164

PREDICTED 13-15 JAN 162/160/164

90 DAY MEAN 11 JAN 213

V. GEOMAGNETIC INDICES

OBSERVED AFR 10 JAN 07 AP 11 JAN 18

ESTIMATED AFR 11 JAN 14 AFR/AP 12 JAN 10/08

PREDICTED AFR/AP 13-15 JAN 14/14 10/10 10/10

SOLTERWARN

BT

HFUS 3 B OU 122200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 012B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200UT 12 JAN 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
12/1200UT TO 12/2200UT:

SOLAR ACTIVITY WAS LOW DURING THIS PERIOD. THE SUN WAS NOT  
EVEN ABLE TO PRODUCE ENOUGH XRAY FLUX TO REACH THE C1 LEVEL.  
THERE ARE CURRENTLY NINE SPOTTED REGIONS ON THE DISK. ONLY  
2874 (S13W76) AND 2882 (N06E09) HAVE SPOT AREAS GREATER THAN  
100 MILLIONTHS.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD WAS QUIET DURING THIS PERIOD. UNSETTLED  
CONDITIONS ARE FORECAST FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES: 13-15 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 12 JAN 162

PREDICTED 13-15 JAN 160/160/164

90 DAY MEAN 12 JAN 212

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 11 JAN 12/18

ESTIMATED AFR/AP 12 JAN 02/05

PREDICTED AFR/AP 13-15 JAN 14/14 10/10 10/10

SOLTERWARN

BT