

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 (S14W62) 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 PLAGE.

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 UNSETLED TO QUIET THE PAST 24
HOURS. UNSETLED 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

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HFUS 3 BOU 1222 00
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SD F NUMBER 012B

JO INT USAF/N OAA RE PORT OF SOLAR AND GEOPHYSICAL ACT IVIT Y
ISSUED 22 00UT 12 JAN 1981

I A. ANAL YSIS OF SOLAR ACTIVE REGIONS AND ACT IVIT Y FROM
12/12 00UT TO 12/22 00UT :
SOLAR ACT IVIT Y 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.

I B. SOLAR ACT IVIT Y FORECAST :

SOLAR ACT IVIT Y IS EXP ECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMAR Y AND FORECAST :

THE GEOMAGNETIC FIELD WAS QUIET DURING THIS PERIOD. UNSETTLED
COND IT IONS 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 A 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

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