

HFUS 1 BOU 101400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 010A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1200UT 10 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
09/1200UT TO 10/1200UT:

SOLAR ACTIVITY HAS BEEN LOW. REGION 2874 (S13W35) IS BE-
COMING LESS COMPLEX AND PRODUCED ONLY ONE SUBFLARE, AT 10 -
0231UT, IN THE PAST 24 HOURS, HOWEVER, A C1/SN FLARE AT 09 -
2135UT WAS OBSERVED IN ASSOCIATION WITH A FILAMENT WHICH
DISAPPEARED SOUTHWEST OF REGION 2874. A C9/SN FLARE WAS
REPORTED IN REGION 2882 (N07E49) AT 10/0501UT. THIS REGION
AND REGION 2880 (N07E30) HAVE NOT CHANGED SIGNIFICANTLY
SINCE YESTERDAY.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE FORECAST
PERIOD. REGIONS 2874 AND 2882 APPEAR TO BE STABILIZING.

II. GEOPHYSICAL SUMMARY AND FORECAST

THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS. THE
FIELD IS EXPECTED TO BE UNSETTLED THE NEXT THREE DAYS.

III. EVENT PROBABILITIES: 11-13 JANUARY

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 09 JAN 173

ESTIMATED 10 JAN 173

PREDICTED 11-13 JAN 175/178/180

90 DAY MEAN 09 JAN 215

V. GEOMAGNETIC A INDICES

OBSERVED AFR 08 JAN 09 AP 09 JAN 06

ESTIMATED AFR 09 JAN 05 AFR/AP 10 JAN 08/08

PREDICTED AFR/AP 11-13 JANUARY 08/08 12/14 12/10

SOLTERWARN

BT

HFUS 3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 010B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200UT 10 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
10/1200UT TO 10/2200UT:

SOLAR ACTIVITY WAS LOW DURING THIS PERIOD. REGION 2874
(S14W40) ACCOUNTED FOR THREE OF THE FOUR SUBFLARES OB-
SERVED, AND THIS REGION SHOWED SLIGHT GROWTH DURING THE
LAST TEN HOURS.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE FORE-
CAST PERIOD.

II. GEO PHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS FORECAST TO BE
UNSETTLED.

III. EVENT PROBABILITIES: 11-13 JANUARY

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 10 JAN 170

PREDICTED 11-13 JAN 175/178/180

90 DAY MEAN 10 JAN 214

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 JAN 05/06

ESTIMATED AFR/AP 10 JAN 06/06

PREDICTED AFR/AP 11-13 JAN 08/08 12/14 12/10

SOLTERWARN

BT