

HFUS 3 BOU 021400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 002A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 02 JAN 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/1200UT TO 1200UT: SOLAR ACTIVITY REMAINS LOW. THE VISIBLE DISK REGIONS ARE SIMPLE IN STRUCTURE AND RELATIVELY STABLE IN BEHAVIOR. OCCASIONAL POINT BRIGHTENINGS AND FLUCTUATIONS ARE BEING OBSERVED IN REGIONS 2871 (N21W24) AND 2868 (N11E12) WHILE NO CHANGE IS BEING REPORTED ELSEWHERE.

IB. SOLAR ACTIVITY FORECAST:

THE LEVEL OF SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE NEXT 24 HOURS.

II. GEO PHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET AND NO SIGNIFICANT CHANGE IS EXPECTED.

III. EVENT PROBABILITIES: 03 JAN - 05 JAN

CLASS M 3.0/3.0/3.0

CLASS X 01/01/01

PROMPTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 01 JAN 196

ESTIMATED 02 JAN 194

PREDICTED 03-05 JAN 190/188/186

90 DAY MEAN 01 JAN 218

V. GEOMAGNETIC A INDICES

OBSERVED AFR 31 DEC 14 AP 01 JAN 13

ESTIMATED AFR/AP 02 JAN 07/10

PREDICTED AFR/AP 03-05 JAN 07/08 07/07 07/07

SOLTERWARN

BT

HFUS 3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO.

SDF NUMBER 002B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200UT 02 JAN 1981

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/1200 UT
TO 02/2200UT:

SOLAR ACTIVITY HAS REMAINED LOW DURING THIS REPORTING PERIOD.

IB. SOLAR ACTIVITY FORECAST:

THE LEVEL OF SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE
NEXT 24 HOURS.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET EXCEPT FOR AN UNSETLED IN-
TERVAL FROM 1500 TO 1800 UT. THE FIELD IS EXPECTED TO REMAIN
QUIET TOMORROW, BECOMING UNSETLED TO ACTIVE FOR THE REMAINDER
OF THE FORECAST PERIOD AS A CONSEQUENCE OF CORONAL HOLES OBS-
ERVED NEAR CENTRAL MERIDIAN ON 1 JANUARY.

III. EVENT PROBABILITIES: 03 JAN - 05 JAN

CLASS M 3/0/3/0/3/0

CLASS X 0/1/0/1/0/1

PREDICTED 0/1/0/1/0/1

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 02 JAN 188

PREDICTED 03-05 JAN 182/173/170

90 DAY MEAN 02 JAN 219

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 01 JAN 09/13

ESTIMATED AFR/AP 02 JAN 06/10

PREDICTED AFR/AP 03-05 JAN 07/08 12/14 16/18

SOLAR TERRAIN

PT