

HFUS 1 BOU 081400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 008A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1200UT 08 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
07/1200UT TO 08/1200UT:

SOLAR ACTIVITY INCREASED TO THE MODERATE LEVEL WITH THE OCCURRENCE
OF A SLOW RISE/SLOW DECAY MIX-RAY BURST AT 08/0238Z MAXIMUM.
ALTHOUGH A SUBFAINT FLARE AND SURGING FROM REGION 2882 (N06E69)
WAS OBSERVED DURING THE X-RAY PERIOD, THE SLOW RISE SIGNATURE OF
THE X-RAY EVENT SUGGESTS THE SOURCE TO BE STILL BEHIND EAST LIMB.
NEW SPOT DEVELOPMENT NORTH OF 2882 INDICATES A SEPARATE AND GROW-
ING REGION. REGION 2874 (S13W15) CONTINUES ITS RAPID GROWTH AND
FLARE PRODUCTION. THE GROWTH EVIDENT IN REGION 2881 (S07E02) HAS
SLOWED, WHILE REGION 2875 (S15E06) CONTINUES TO DECAY.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY WILL BE LOW TO MODERATE WITH A GRADUAL INCREASE
IN ACTIVITY THROUGH THE NEXT 24 HOURS.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD WAS MILDLY UNSETTLED DURING THE PAST 24 HOURS.
NO SIGNIFICANT CHANGE IN THE FIELD IS EXPECTED DURING THE FORECAST
PERIOD.

III. EVENT PROBABILITIES:

CLASS M 30/35/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 07 JAN 174

ESTIMATED 08 JAN 182

PREDICTED 09-11 JAN 186/192/198

90 DAY MEAN 07 JAN 217

V. GEOMAGNETIC INDICES

OBSERVED AFR 06 JAN 05 AP 07 JAN 06

ESTIMATED AFR 07 JAN 08 AFR/AP 08 JAN 08/10

PREDICTED AFR/AP 09-11 JAN 08/08 08/08 08/08

SOLTERWARN

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HFUS 3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 008B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200 UT 08 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/1200UT TO 2200 UT.

SOLAR ACTIVITY HAS BEEN LOW SINCE 1200 UT. ONLY ONE SMALL C-CLASS SUBFLARE WAS NOTED OCCURRING IN REGION 2880 (N06E45). NEW REGION 2883 (N10E61) HAS BEEN NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY SHOULD BE LOW TO MODERATE, WITH ACTIVITY INCREASING GRADUALLY THROUGH THE NEXT FEW DAYS.

II. GEO PHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED SINCE 1200 UT. THE FIELD IS EXPECTED TO BE GENERALLY MILDLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 09 JANUARY - 11 JANUARY

CLASS M 30/35/40

CLASS X 01/01/01

PROTON 01/01/01

VCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JANUARY 175

PREDICTED 09-11 JANUARY 179/183/187

90-DAY MEAN 08 JANUARY 216

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 07 JANUARY 06/06

ESTIMATED AFR/AP 08 JANUARY 09/10

PREDICTED AFR/AP 09-11 JANUARY 08/08 - 08/08 - 08/08

SOLTERWARN

BT