

HFUS 1 BOU 141400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 014A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1200UT 14 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
13/1200UT TO 14/1200UT:

SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS WITH ONLY
3 C-CLASS X-RAY EVENTS BEING OBSERVED. THESE WERE ASSOCIATED
WITH SUBFLARES IN REGIONS 2882 (N06W12) AND 2890 (S17W00),
AND A M FLARE FROM SPOTLESS REGION 2896 (N20W08). ALL
NUMBERED REGIONS PRESENTLY ON THE VISIBLE DISK ARE SMALL AND
MAGNETICALLY SIMPLE EVEN THOUGH SEVERAL ARE EXHIBITING ARCH
FILAMENT SYSTEMS AND FLARE FLUCTUATIONS.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.
THERE ARE NO INDICATORS WHICH SUGGEST A SIGNIFICANT CHANGE
FROM EXISTING CONDITIONS DURING THE NEXT THREE DAYS.

III. EVENT PROBABILITIES: 15-17 JANUARY

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 13 JAN 164

ESTIMATED 14 JAN 160

PREDICTED 15-17 JAN 160/162/165

90 DAY MEAN 13 JAN 212

V. GEOMAGNETIC A INDICES

OBSERVED AFR 12 JAN 02 AP 13 JAN 07

ESTIMATED AFR 13 JAN 06 AFR/AP 14 JAN 07/10

PREDICTED AFR/AP 15-17 JAN 07/10 07/10 07/08

SOLTERWARN

BT

HFUS 3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 014B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200UT 14 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
14/1200UT TO 14/2200UT:

SOLAR ACTIVITY HAS REMAINED LOW THIS PERIOD. REGION 2882
(N06W17) PRODUCED THREE SUBFLARES THIS PERIOD. REGION
2895 (N13W01) PRODUCED A C7/B EVENT AT 2104UT. 4000 FLUX
UNITS WAS RECORDED AT 245MHZ WITH THE EVENT. NEW REGIONS
TODAY ARE 2896 (N18W15), 2897 (S10E07), 2898 (N12W27) AND
2899 (S20E78).

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST
NINE HOURS. THE FIELD IS EXPECTED TO BE QUIET DURING THE
REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 15 JANUARY - 17 JANUARY

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 JANUARY 159

PREDICTED 15-17 JANUARY 160/162/165

90-DAY MEAN 14 JANUARY 211

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 13 JANUARY 06/07

ESTIMATED AFR/AP 14 JANUARY 10/10

PREDICTED AFR/AP 15-17 JANUARY 07/10 - 07/10 - 07/08

SOLTERWARN

BT