

HFUS 1 BOU 24 1400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 24 JAN 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM

23/1200UT TO 24/1200UT:

SOLAR ACTIVITY HAS REMAINED AT LOW LEVELS. DURING THIS PERIOD,
THE SUN PRODUCED TWO C3 XRAY FLARES, WHICH WERE THE LARGEST
EVENTS TO OCCUR SINCE 16 JAN. NO REGION ON THE SUN, HOWEVER,
HAS SHOWN ANY SIGNIFICANT GROWTH.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS FORECAST TO REMAIN AT LOW LEVELS. NO M-CLASS
FLARE ACTIVITY IS EXPECTED.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN AT MOSTLY QUIET LEVELS. THE
PATTERN OF THE LAST FEW DAYS HAS BEEN FOR THE FIELD TO BE QUIET
EXCEPT FOR BRIEF PERIODS (SIX TO NINE HOURS) OF ACTIVE LEVELS.
THIS PATTERN IS EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES: 25-27 JANUARY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 23 JAN 162

ESTIMATED 24 JAN 163

PREDICTED 25-27 JAN 164/165/168

90 DAY MEAN 23 JAN 207

V. GEOMAGNETIC INDICES

OBSERVED AFR 22 JAN 10 AP 23 JAN 10

ESTIMATED AFR 23 JAN 09 AFR/AP 24 JAN 07/11

PREDICTED AFR/AP 25-27 JAN 06/10 06/08 06/07

SOLTERWARN

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HFUS 3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 024B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200UT 24 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
24/1200UT TO 24/2200UT:

SOLAR ACTIVITY REMAINS LOW WITH FLARE ACTIVITY CONFINED TO
SUBFLARES AND LOW LEVEL CLASS C X-RAY BURSTS. REGION 2903
(S02E12) CONTINUES EVOLUTIONARY CHANGES AND MOST FLARES
HAVE OCCURRED IN THIS REGION.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETLED. THESE
CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 25-27 JAN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 24 JAN 162

PREDICTED 25-27 JAN 164/165/168

S0 DAY MEAN 24 JAN 207

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 JAN 08/10

ESTIMATED AFR/AP 24 JAN 07/08

PREDICTED AFR/AP 25-27 JAN 06/10 06/08 06/07

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