

T

HFUS 1 BOU 221400
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 022A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1200UT 22 JAN 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
21/1200UT TO 22/1200UT:

SOLAR ACTIVITY HAS REMAINED AT LOW LEVELS, FEWER THAN HALF
A DOZEN SUBFLARES WERE OBSERVED DURING THIS PERIOD. THERE
ARE NOW TEN SPOTTED REGIONS ON THE DISK.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY SHOULD STAY AT LOW LEVELS. HOWEVER, WITH THE
NUMBER OF SPOTTED REGIONS UP TO TEN NOW, AND WITH MOST OF
THESE REGIONS STILL ON THE EASTERN HEMISPHERE, THERE IS SLIGHT
HOPE FOR AN INCREASE IN ACTIVITY DURING THE NEXT 72 HOURS.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET AND THERE IS NO REASON TO
EXPECT ANY CHANGES.

III. EVENT PROBABILITIES: 23-25 JAN

CLASS M 10/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 21 JAN 162

ESTIMATED 22 JAN 160

PREDICTED 23-25 JAN 160/162/164

90 DAY MEAN 21 JAN 208

V. GEOMAGNETIC INDICES

OBSERVED AFR 20 JAN 03 AP 21 JAN 04

ESTIMATED AFR 21 JAN 03 AFR/AP 22 JAN 04/06

PREDICTED AFR/AP 23-25 JAN 05/08 05/08 05/08

SOLTERWARN

BT

HFUS 3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 022B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200UT 22 JAN 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/1200UT
TO 22/2200UT - SOLAR ACTIVITY HAS BEEN LOW WITH THE X-RAY FLUX
REMAINING BELOW C1 LEVEL DURING THE PAST 10 HOURS.

IB. SOLAR ACTIVITY FORECAST - SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST - THE GEOMAGNETIC FIELD
HAS BEEN QUIET TO UNSETTLED. THESE CONDITIONS ARE EXPECTED TO
PREVAIL THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23-25 JAN

CLASS M 10/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JAN 161

PREDICTED 23-25 JAN 160/162/164

90-DAY MEAN 22 JAN 207

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 21 JAN 02/04

ESTIMATED AFR/AP 22 JAN 09/08

PREDICTED AFR/AP 23-25 JAN 05/08 - 05/08 - 05/08

SOLTERWARN

BT