

HXUS 1 BOU 211300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 355A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 21 DEC 1981

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
20/1200Z TO 21/1200Z: SOLAR ACTIVITY REMAINS LOW. OF THE DISK
REGIONS, ONLY REGION 3515 (S09W20) SHOWS SOME RESTRUCTURING.
REGION 3520 (S22E77) HAS ROTATED ON TO THE DISK. ADDITIONALLY,
SURGING HAS BEEN REPORTED AT SE09 AND NE20. THE SURGING AT SE09
MAY BE THE PRECURSOR FOR THE RETURN OF OLD REGION 3477.

I B. SOLAR ACTIVITY FORECAST: CURRENTLY, SOLAR ACTIVITY IS
EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED THROUGH
24 DECEMBER.

III. EVENT PROBABILITIES 22 DEC-24 DEC

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 DEC 138

ESTIMATED 21 DEC 144

PREDICTED 22 DEC-24 DEC 152/160/168

90 DAY MEAN 20 DEC 216

V. GEOMAGNETIC A INDICES

OBSERVED AFR 19 DEC 007 AP 20 DEC 005

ESTIMATED AFR 20 DEC 005 AFR/AP 21 DEC 006/012

PREDICTED AFR/AP 22 DEC-24 DEC 012/015-012/012-012/012

SOLTERWARN

BT

HXUS BOU 211300
PREDM 00522 01023 01024
PREDX 00122 00123 00124
PREDP 00122 00123 00124
PCAFT 00122
TFNCM 15222 16023 16024
AFRED 01222 01223 01224
AFAPF 01522 01223 01224
KKK 12233 32223 33332
PT

HEUS 3-BOU 212200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDE NUMBER 355B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 DEC 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
21/1200Z TO 21/2100Z:
SOLAR ACTIVITY IS LOW. SINCE OUR 211200Z MESSAGE, A SMALL
REGION NEAR S23F46 WAS NUMBERED 3521 AND ANOTHER NEAR
N24F69 WAS NUMBERED 3522.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY SHOULD CONTINUE LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD IS QUIET. QUIET TO UNSETTLED CONDITIONS
ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES: 22 DEC - 24 DEC

CLASS M 05/10/10

CLASS X 04/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 21 DEC 147

PREDICTED 22-24 DEC 152/160/168

90 DAY MEAN 21 DEC 216

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 DEC 06/05

ESTIMATED AFR/AP 21 DEC 06/08

PREDICTED AFR/AP 22-24 DEC 12/15 12/08 12/10

SOLTERWARN

PT