

HFUS 1 BOU 201300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 354A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 20 DEC 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
19/1200Z TO 20/1200Z: SOLAR ACTIVITY REMAINS LOW. ALL DISK
REGIONS ARE SMALL, SIMPLE, AND STABLE. REGION 3519 (N11E45) HAS
BEEN ADDED ON 19 DECEMBER.

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

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED
THROUGH 23 DECEMBER.

III. EVENT PROBABILITIES 21 DEC-23 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 DEC 134

ESTIMATED 20 DEC 133

PREDICTED 21 DEC-23 DEC 130/132/136

90 DAY MEAN 19 DEC 217

V. GEOMAGNETIC A INDICES

OBSERVED AFR 18 DEC 016 AP 19 DEC 008

ESTIMATED AFR 19 DEC 007 AFR/AP 20 DEC 006/010

PREDICTED AFR/AP 21 DEC-23 DEC 010/012-012/015-012/012

SOLTERWARN

BT

HXUS BOU 201300

PREDM 00521 00522 00523

PREDX 00121 00122 00123

PREDP 00121 00122 00123

PCAFT 00121

TENCM 13021 13222 13623

AFRED 01021 01222 01223

AFAPF 01221 01522 01223

KKK 12232 32222 33332

BT

HFJUS 3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 354B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 20 DEC 1981

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
20/1200Z TO 20/2100Z: SOLAR ACTIVITY HAS BEEN LOW. THE VISIBLE
DISK REGIONS REMAIN BASICALLY SMALL AND SIMPLE. AN H TYPE SPOT
IS ROTATING OVER THE SE LIME AND IS NUMBER 3520 (S22F85).

II. SOLAR ACTIVITY FORECAST:
SOLAR ACTIVITY SHOULD CONTINUE LOW.

III. GEOPHYSICAL SUMMARY AND FORECAST:
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. GENERALLY UN-
SETTLED CONDITIONS SHOULD CONTINUE.

IV. EVENT PROBABILITIES: 21 DEC - 23 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

SCAF GREEN

V. OTTAWA 10.7 FLUX

OBSERVED 20 DEC 138

PREDICTED 21-23 DEC 143/146/149

90 DAY MEAN 20 DEC 216

VI. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 DEC 07/08

ESTIMATED AFR/AP 20 DEC 07/12

PREDICTED AFR/AP > 21-23 DEC 10/12 12/15 12/12

SOLTERMARN

BT