

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
 TENCN 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

SOLTERWARM

BT