

HFUS 1 BOU 231300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 357A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 23 DEC 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
22/1200Z TO 23/1200Z: SOLAR ACTIVITY REMAINS LOW. EXCEPT FOR
OCCASIONAL SUB-FAINT FLARES IN REGIONS 3521 (S24E23) AND 3522
(N23E48), THE DISK REGIONS REMAIN SIMPLE AND STABLE IN
STRUCTURE. REGION 3523 (S08E58) WAS ADDED ON 22 DECEMBER.

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

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET. THE FIELD IS EXPECTED TO BE UNSETTLED ON 24
DECEMBER IN RESPONSE TO A SMALL EQUATORIAL CORONAL HOLE AND
THEN QUIET FIELD CONDITIONS ARE EXPECTED THROUGH 26 DECEMBER.

III. EVENT PROBABILITIES 24 DEC-26 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 DEC 151

ESTIMATED 23 DEC 157

PREDICTED 24 DEC-26 DEC 162/168/170

90 DAY MEAN 22 DEC 216

V. GEOMAGNETIC A INDICES

OBSERVED AFR 21 DEC 005 AP 22 DEC 005

ESTIMATED AFR 22 DEC 004 AFR/AP 23 DEC 005/006

PREDICTED AFR/AP 24 DEC-26 DEC 012/010-007/008-006/008

SOLTERWARN

BT

HXUS BOU 231300

PREDM 00524 00525 00526

PREDX 00124 00125 00126

PREDP 00124 00125 00126

PCFT 00124

TENCM 16224 16825 17026

AFRED 01224 00725 00626

AFAPF 01024 00825 00826

KKK 12233 32223 32222

BT

HFUS 3 RCU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDE NUMBER 357R

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 23 DEC 1981

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
23/1200Z TO 23/2100Z:

SOLAR ACTIVITY REMAINS LOW. CLASS C XRAY BURSTS FROM REGIONS
3521 (S23E16) AND 3520 (S23E44) HAVE BEEN OBSERVED BUT ON
AN INFREQUENT BASES. CHANGES IN THE VISIBLE FEATURES HAVE
BEEN NEGLIGIBLE.

II. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW.

III. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET. UNSETTLED CONDITIONS
DURING THE NEXT 24 HOURS SHOULD OCCUR AS A RESULT OF CORONAL
HOLE ACTIVITY.

IV. EVENT PROBABILITIES: 24 DEC - 26 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

V. OTTAWA 10.7 FLUX

OBSERVED 23 DEC 158

PREDICTED 24-26 DEC 162/168/170

90 DAY MEAN 23 DEC 215

VI. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 DEC 02/05

ESTIMATED AFR/AP 23 DEC 06/06

PREDICTED AFR/AP 24-26 DEC 12/10 07/08 06/08

SOLTERWARN

BT