

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
PCAFT 00124
TFNCM 16224 16825 17026
AFRED 01224 00725 00626
AFAPF 01024 00825 00826
KKK 12233 32223 32222

BT

HFUS 3 BOW 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