

HFUS 1 BOU 251300  
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
 SDF NUMBER 025A  
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
 ISSUED 1300Z 25 JAN 1982  
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
 24/1200Z TO 25/1200Z: SOLAR ACTIVITY WAS AGAIN MODERATE THIS  
 PERIOD AS REGION 3573 (N09E84) PRODUCED AN M6/1B EVENT AT  
 24/1935UT, PROBLEMS WITH COMMUNICATIONS MAY BE THE REASON NO  
 RADIO BURSTS WERE RECORDED WITH THIS EVENT. NEAR CONTINUOUS  
 SURGING IS BEING OBSERVED FROM REGION 3573. THE NEXT LARGEST  
 EVENT RECORDED, THIS PERIOD, WAS A C2/SN FROM REGION 3557  
 (N04W41) AT 24/1349UT.  
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
 AT OR NEAR MODERATE LEVELS DURING THIS FORECAST PERIOD.  
 ACTIVITY SHOULD CONTINUE TO INCREASE AS REGION 3573 ROTATES  
 INTO FULL VIEW. OLD ACTIVE LONGITUDES DUE TO RETURN NEAR THE  
 END OF THE FORECAST PERIOD SHOULD INCREASE THE POTENTIAL FOR A  
 MAJOR EVENT.  
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS  
 ACTIVE DURING THE FIRST PORTION OF THE PERIOD THEN GENERALLY  
 UNSETTLED THE LAST HALF. THE GEOMAGNETIC FIELD IS EXPECTED,  
 UNLESS A MAJOR FLARE OCCURS, TO BE UNSETTLED DURING THIS  
 FORECAST PERIOD.  
 III. EVENT PROBABILITIES 26 JAN-28 JAN  
 CLASS M 75/75/90  
 CLASS X 10/10/15  
 PROTON 05/05/10  
 PCAF GREEN  
 IV. OTTAWA 10.7 CM FLUX  
 OBSERVED 24 JAN 154  
 ESTIMATED 25 JAN 165  
 PREDICTED 26 JAN-28 JAN 175/180/185  
 90 DAY MEAN 24 JAN 195  
 V. GEOMAGNETIC A INDICES  
 OBSERVED AFR 23 JAN 017 AP 24 JAN 018  
 ESTIMATED AFR 24 JAN 018 AFR/AP 25 JAN 010/012  
 PREDICTED AFR/AP 26 JAN-28 JAN 010/012-010/010-010/010  
 SOLTERWARN  
 BT

HXUS BOU 251300  
 PREDM 07526 07527 09028  
 PREDX 01026 01027 01528  
 PREDP 00526 00527 01028  
 PCAFT 00126  
 TENCM 17526 18027 18528  
 AFRED 01026 01027 01028  
 AFAPF 01226 01027 01028  
 KKK 23233 32223 33322  
 BT

HFUS 3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 025P

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 JANUARY 1982

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM

25/1200Z TO 25/2100Z:

SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. THE LARGEST EVENT WAS  
A C6/0P AT 2048Z IN REGION 3557 (N03W48). REGIONS 3557, 3569  
(S08W03), AND 3572 (N21E23) HAVE SHOWN NEW GROWTH DURING THE  
PAST 24 HOURS. REGION 3573 (N11E73), WHICH PRODUCED THE CLASS  
M ACTIVITY YESTERDAY, CONTAINS A DELTA CONFIGURATION. THIS  
REGION IS STILL CLOSE TO THE LIMB, BUT WHITE LIGHT STRUCTURE  
IS DOMINATED BY ONE LARGE PENUMBRA. HOLLOMAN REPORTS AN  
H-TYPE SUNSPOT CURRENTLY CROSSING EAST LIMB AT S14 AND AN-  
OTHER REGION EMERGING NEAR N10E40.

IR. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE MODERATE.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. GENERALLY UNSET-  
TLED CONDITIONS ARE EXPECTED TO PERSIST THROUGH THE NEXT  
THREE DAYS.

III. EVENT PROBABILITIES: 26-28 JAN

CLASS M 75/75/90

CLASS X 10/10/15

PROTON 05/05/10

POCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 25 JAN 177

PREDICTED 26-28 JAN 187/194/199

90 DAY MEAN 25 JAN 195

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 JAN 18/18

ESTIMATED AFR/AP 25 JAN 08/12

PREDICTED AFR/AP 26-28 JAN 10/12 10/10 10/10

SOLTERWARN

BT