

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 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
24/1200Z TO 25/1200Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING  
THIS PERIOD. THE LARGEST EVENT OBSERVED WAS A C3/SN FROM REGION  
4071 (N08E63) AT 24/2007UT. REGIONS 4060 (N09W90), 4064  
(N10W80) AND 4072 (S09E37) HAVE ALSO PRODUCED MINOR EVENTS  
DURING THIS PERIOD. ALL REGIONS ARE REPORTED AS STABLE OR  
SLIGHTLY DECAYED. A NEW SPOT MAY HAVE ROTATED OVER THE LIMB AT  
SE16 HOWEVER REPORTS FROM THE OBSERVATORIES HAVE BEEN LIMITED  
BY WEATHER AND COMMUNICATION PROBLEMS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
CONTINUE LOW DURING THIS FORECAST PERIOD. REGIONS CURRENTLY ON  
THE DISK AND OLD RETURNING REGIONS ARE NOT EXPECTED TO INCREASE  
ACTIVITY SIGNIFICANTLY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN GENERALLY ACTIVE WITH SHORT PERIODS, AT HIGH LATITUDES, OF  
MINOR STORM CONDITIONS. THE FIELD IS EXPECTED TO CONTINUE  
ACTIVE TO UNSETTLED FOR THE NEXT 12 HOURS THEN BE UNSETTLED TO  
QUIET FOR THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 JAN-28 JAN

CLASS M	10/10/10
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	24 JAN	118
ESTIMATED	25 JAN	115
PREDICTED	26 JAN-28 JAN	113/112/110
90 DAY MEAN	24 JAN	172

V. GEOMAGNETIC A INDICES

OBSERVED AFR	23 JAN	009	AP 24 JAN	019
ESTIMATED AFR	24 JAN	016	AFR/AP 25 JAN	014/015
PREDICTED AFR/AP	26 JAN-28 JAN	010/015-008/015-008/010		

SOLTERWARN

BT

HFUS 3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 025B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 JAN 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/1200Z TO 25/2100Z: SOLAR ACTIVITY HAS BEEN LOW. NEW REGIONS TODAY 4073(N04E33) AND 4074(S18E75) HAVE BOTH FLARED DURING THE PERIOD BUT NO FLARES GREATER THAN SUBFAINT AND WITH XRAY GREATER THAN C1 HAVE BEEN OBSERVED THIS PERIOD. REGION 4073 HAS ARCH FILAMENTS AND IS DEVELOPING RAPIDLY. THE REGION REMAINS TOO SMALL TO BE A PROBABLE SOURCE OF SIGNIFICANT ACTIVITY DURING THE FORECAST PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW DURING THE FORECAST PERIOD. ACTIVITY INCREASE IS LIKELY ONLY IF REGION DEVELOPMENT OCCURS AMONG THE SMALL REGIONS NOW ON THE DISK.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DECLINING TO GENERALLY UNSETTLED CONDITIONS IN RECENT HOURS. FURTHER DECLINE IN MAGNETIC ACTIVITY IS EXPECTED AND UNSETTLED TO NEAR QUIET CONDITIONS SHOULD DEVELOP BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 JAN-28 JAN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JAN 127

PREDICTED 26 JAN-28 JAN 135/138/142

90 DAY MEAN 25 JAN 171

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 JAN 020/019

ESTIMATED AFR/AP 25 JAN 014/015

PREDICTED AFR/AP 26 JAN-28 JAN 010/015-008/015-008/010

SOLTERWARN

BT