

HFUS 1 BOU 261300  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 026A  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 26 JAN 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
25/1200Z TO 26/1200Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING  
THIS PERIOD. REGION 4073 (N05E27) PRODUCED SEVERAL SMALL FLARES  
THIS PERIOD THE LARGEST A SF/C1 AT 26/0210UT. REGIONS 4072  
(S07E22) AND 4074 (S16E70) ALSO PRODUCED SMALL OPTICAL EVENTS.  
REGION 4073 IS NOW A D TYPE GROUP HOWEVER GROWTH IS REPORTED TO  
HAVE SLOWED ALTHOUGH A WEAK ARCH FILAMENT SYSTEM REMAINS IN  
PROGRESS. THE REST OF THE REGIONS ARE REPORTED AS STABLE OR  
SLIGHTLY DECAYED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
CONTINUE LOW DURING THE FORECAST PERIOD. OLD ACTIVE REGIONS,  
DUE TO RETURN DURING THIS FORECAST PERIOD, WERE SMALL AND  
PRODUCED ONLY MINOR EVENTS LAST ROTATION. GROWTH IN THE CURRENT  
DISK REGIONS MAY INCREASE THE PRODUCTION OF FLARES HOWEVER THE  
EVENTS ARE EXPECTED TO BE BELOW M CLASS LEVELS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN GENERALLY ACTIVE THIS PERIOD. THE LARGE POSTIVE CORONAL  
HOLE NOW AT N25W07 IS NOT EXPECTED TO PRODUCE ANY GEOMAGNETIC  
EFFECTS. DUE TO THE ABSENCE OF LARGE FLARES AND/OR FILAMENTS  
WHICH HAVE DISAPPEARED DURING THE PAST FOUR DAYS THE FIELD IS  
EXPECTED TO BE UNSETTLED TO NEAR QUIET DURING THIS FORECAST  
PERIOD.

III. EVENT PROBABILITIES 27 JAN-29 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
ESTIMATED	26 JAN	135
PREDICTED	27 JAN-29 JAN	138/142/134
90 DAY MEAN	25 JAN	171

V. GEOMAGNETIC A INDICES

OBSERVED AFR	24 JAN	020	AP 25 JAN	017
ESTIMATED AFR	25 JAN	014	AFR/AP 26 JAN	012/015
PREDICTED AFR/AP	27 JAN-29 JAN	008/015-008/010-010/010		

SOLTERWARN

BT

HFUS 3 BOU 262200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 026B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 26 JAN 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
26/1200Z TO 26/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGION  
4074(S16E63) HAS BEEN THE MAIN SOURCE OF ACTIVITY BUT HAS  
PRODUCED ONLY C1/SF FLARES. REGIONS 4072(S07E16) AND  
4073(N05E21) CONTINUE TO GROW AND BOTH HAVE SHOWN AFS IN RECENT  
HOURS. NEW REGION 4075(S13E77) APPEARED OVER THE EAST LIMB  
TODAY SHOWING A SINGLE SPOT SO FAR.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
CONTINUE LOW. SOME INCREASE IN THE FREQUENCY OF ACTIVITY MAY  
BE EXPECTED SINCE MORE REGIONS APPEAR CAPABLE OF ACTIVITY. NO  
REGION APPEARS CAPABLE OF M-LEVEL ACTIVITY AT PRESENT.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN UNSETTLED WITH MIDLATITUDE K-INDICES OF 3 OBSERVED FOR THE  
PERIOD. GEOMAGNETIC ACTIVITY SHOULD CONTINUE UNSETTLED WITH A  
TREND TOWARD QUIET EXPECTED.

III. EVENT PROBABILITIES 27 JAN-29 JAN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JAN 148

PREDICTED 27 JAN-29 JAN 158/163/168

90 DAY MEAN 26 JAN 171

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 JAN 014/017

ESTIMATED AFR/AP 26 JAN 014/015

PREDICTED AFR/AP 27 JAN-29 JAN 008/015-008/015-010/010

SOLTERWARN

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