

HFUS 1 BOU 111300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 042A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 11 FEB 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
10/1200Z TO 11/1200Z: SOLAR ACTIVITY IS VERY LOW. THE DISK IS  
BEING REPORTED AS DULL. THERE ARE ONLY TWO SIMPLE SPOT GROUPS  
AND A SCATTERING OF FAINT PLAGE VISIBLE. NO LIMB ACTIVITY HAS  
BEEN NOTED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN VERY  
LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN UNSETLED TO ACTIVE. CORONAL HOLE EFFECTS AND A SMALL  
FILAMENT THAT DISAPPEARED ARE EXPECTED TO BE THE DOMINANT FORCE  
ON THE FIELD FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 12 FEB-14 FEB

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 FEB 116

ESTIMATED 11 FEB 110

PREDICTED 12 FEB-14 FEB 105/100/100

90 DAY MEAN 10 FEB 170

V. GEOMAGNETIC A INDICES

OBSERVED AFR 09 FEB 010 AP 10 FEB 019

ESTIMATED AFR 10 FEB 019 AFR/AP 11 FEB 015/015

PREDICTED AFR/AP 12 FEB-14 FEB 019/020-019/025-014/025

EFFECTIVE 15 FEB 83 THIS REPORT WILL NO LONGER BE ISSUED

SOLTERWARN

BT

HFUS 3 BOU 112200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO.  
SDF NUMBER 042B  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 11 FEB 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/1200Z TO 11/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 9 HOURS. NO C-CLASS X-RAY EVENTS HAVE OCCURRED SINCE 09 FEB 2226Z. NO NEW REGIONS WERE ADDED TO THE TWO SIMPLE SUNSPOT GROUPS VISIBLE YESTERDAY. UNSPOTTED REGION 4081 (S08W61) DID PRODUCE A SUBFAINT FLARE AT 1441Z. AN ACTIVE DARK FILAMENT WAS REPORTED NEAR S15E55. VERY SMALL SURGES HAVE BEEN OBSERVED ON THE NORTHWEST LIMB (N10).

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

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 9 HOURS, WITH ONE PERIOD AT MINOR STORM LEVELS (12-15Z). THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 12 FEB-14 FEB

CLASS M 05/05/05  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX  
OBSERVED 11 FEB 110  
PREDICTED 12 FEB-14 FEB 100/095/095  
90 DAY MEAN 11 FEB 169

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 FEB 019/019  
ESTIMATED AFR/AP 11 FEB 014/015  
PREDICTED AFR/AP 12 FEB-14 FEB 019/020-019/025-014/025

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