

HFUS 1 BOU 051300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 278A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 05 OCT 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
04/1200Z TO 05/1200Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING  
THE PAST 24 HOURS. REGION 3922 (N14W69) PRODUCED THE LARGEST  
EVENT THIS PERIOD A C6/SN AT 04/1742UT, NO SIGNIFICANT RADIO  
WAS OBSERVED WITH THE EVENT. A VERY SLOW RISING C4 EVENT, NO  
OPTICAL CORRELATION, STARTED AT 05/0910UT WITH MAXIMUM AT  
05/1033UT. REGION 3922 CONTINUES WITH A WEAK DELTA AND HAS  
SHOWN POINT BRIGHTENINGS THIS PERIOD. REGION 3930 (N13W59) IS  
SLIGHTLY LARGER THIS PERIOD BUT HAS SIMPLIFIED MAGNETICALLY AND  
IS NOW A BETA. THE FILAMENT WHICH CONNECTS REGIONS 3922 AND  
3930 HAS BEEN REPORTED AS ACTIVE THIS PERIOD. THE REST OF THE  
REGIONS ARE REPORTED AS STABLE OR SLIGHTLY DECAYED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
LOW TO MODERATE AS REGIONS 3922, 3919 (S12W86) AND 3930 APPEAR  
CAPABLE OF AN ISOLATED M-CLASS EVENT DURING THE NEXT 36 HOURS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN GENERALLY UNSETTLED DURING THIS PERIOD. UNLESS A MAJOR  
SOLAR EVENT OCCURS THE FIELD IS EXPECTED TO CONTINUE UNSETTLED  
DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 OCT-08 OCT

CLASS M 50/40/15

CLASS X 05/05/01

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 OCT 184

ESTIMATED 05 OCT 175

PREDICTED 06 OCT-08 OCT 166/155/140

90 DAY MEAN 04 OCT 171

V. GEOMAGNETIC A INDICES

OBSERVED AFR 03 OCT 009 AP 04 OCT 014

ESTIMATED AFR 04 OCT 011 AFR/AP 05 OCT 011/015

PREDICTED AFR/AP 06 OCT-08 OCT 008/010-012/010-008/010

SOLTERWARN

BT

NNNNVVZGVZLVZU 00

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HFUS 3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SF NUMBER 278

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 05 OCTOBER 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/1200Z TO 05/2100Z : SOLAR ACTIVITY IS LOW. REGIONS 3922 (N14W75) AND 3930 (N13W66) ARE NEARING WEST LIMB PASSAGE AND THEIR DEPARTURE WILL LEAVE THE DISK VOID OF ANY REGIONS OF SIGNIFICANCE. A SMALL D CLASS GROUP DEVELOPED ON THE DISK TODAY AND WAS NUMBERED 3936 (N09W39). REGION 3937 (N15W20) ALSO DEVELOPED TODAY BUT IT'S ONLY A WEAK B GROUP. THE OTHER DISK REGIONS ARE BASICALLY QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE AT A LOW LEVEL THROUGHOUT THE PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 06 OCTOBER - 08 OCTOBER

CLASS M	50/40/15
CLASS X	05/05/01
PROTON	05/05/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	05 OCTOBER	164
PREDICTED	06-08 OCTOBER	149/137/125
90-DAY MEAN	05 OCTOBER	171

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP	04 OCTOBER	09/14
ESTIMATED AFR/AP	05 OCTOBER	5 12
PREDICTED AFR/AP	06-08 OCTOBER	08/10 - 12/10 - 08/10

SOLTERWAR N

BT