

HFUS 1 BOU 101300  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 130A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 10 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
09/1200Z TO 10/1200Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION  
3717 (S05W36) IS DECAYING AND REMAINS A BASICALLY BIPOLAR GROUP  
WITH SOME MINOR MIXED POLARITIES. AN H SPOT HAS ROTATED OVER  
THE EAST LIMB AT NE03. THIS APPEARS TO BE THE RETURN OF OLD  
REGION 3695 WHICH TRAVERSED THE WEST LIMB AS A QUIET H GROUP.  
NO ACTIVITY HAS BEEN OBSERVED FROM THIS AREA. SEVERAL SMALL  
SUNSPOT GROUPS FROM YESTERDAY HAVE BECOME SPOTLESS PLAGES  
TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW FOR  
THE NEXT THREE DAYS. THERE EXISTS A SLIGHT POSSIBILITY OF A  
DECAY PHASE CLASS M FLARE FROM REGION 3717. NO SIGNIFICANT  
REGIONS ARE EXPECTED TO RETURN TO THE EAST LIMB DURING THE  
FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN QUIET TO SLIGHTLY UNSETTLED SINCE THE MILD DISTURBANCE  
EARLY ON 9 MAY. QUIET TO SLIGHTLY UNSETTLED GEOMAGNETIC  
CONDITIONS ARE FORECAST TO CONTINUE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 11 MAY-13 MAY

CLASS M 30/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 MAY 137

ESTIMATED 10 MAY 133

PREDICTED 11 MAY-13 MAY 130/128/125

90 DAY MEAN 09 MAY 185

V. GEOMAGNETIC A INDICES

OBSERVED AFR 08 MAY 004 AP 09 MAY 011

ESTIMATED AFR 09 MAY 012 AFR/AP 10 MAY 006/005

PREDICTED AFR/AP 11 MAY-13 MAY 008/010-008/010-010/015

SOLTERWARN

BT

HFUS 3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 130B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 10 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/1200Z

TO 10/2100Z: SOLAR ACTIVITY IS LOW. FOUR SMALL, SIMPLE REGIONS

WERE NUMBERED TODAY. THE LARGEST OF THESE, WHICH ROTATED OVER

THE EAST LIMB, IS NUMBER 3727 (N05E74). THIS REGION IS A

RELATIVELY PLAGELESS H-TYPE SPOT. THE OTHER THREE REGIONS ARE

SMALL A-TYPE SPOTS; 3728 (S12W13), 3729 (S08W10) AND 3730

(N20E02), REGION 3717 (S04W44) CONTINUES TO OCCASIONALLY

EXHIBIT THREATENING BEHAVIOR BUT SO FAR REMAINS UNPRODUCTIVE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE

LOW. AN ISOLATED M EVENT FROM REGION 3717 REMAINS A POSSIBILITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS

BEEN GENERALLY LOW. A LARGE FILAMENT DISAPPEARED IN THE NORTHWEST,

BUT IT IS BELIEVED AT THIS TIME THAT THE LOCATION WAS TOO FAR

NORTH FOR GEOMAGNETIC EFFECTS. QUIET TO UNSETTLED CONDITIONS

ARE EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES 11 MAY - 13 MAY

CLASS M 30/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 MAY 128

PREDICTED 11-13 MAY 123/113/114

90-DAY MEAN 10 MAY 184

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 MAY 11/11

ESTIMATED AFR/AP 10 MAY 07/10

PREDICTED AFR/AP 11-13 MAY 08/10 - 08/10 - 10/15

SOLTERWARN

BT