

HFUS 1 BOU 061300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 126A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 06 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
05/1200Z TO 06/1200Z: SOLAR ACTIVITY HAS BEEN LOW FOR THIS
PERIOD. REGION 3717 (S05E18) IS THE ONLY REGION THAT PRODUCED
ANY C-CLASS FLARES. THE REGION HAS GROWN AND MINOR ARCH
FILAMENT SYSTEMS HAVE BEEN OBSERVED IN THE REGION. THE OTHER
FIVE REGIONS HAVE BEEN STABLE AND QUIET.

L IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW
FOR THE FORECAST PERIOD. REGION 3717 MAY PRODUCE SIGNIFICANT
FLARE ACTIVITY. THE OTHER REGIONS SHOULD NOT CONTRIBUTE TO ANY
SIGNIFICANT LEVEL.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED FOR THE PAST 24 HOUR PERIOD AND SHOULD BE
UNSETTLED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 MAY-09 MAY

CLASS M 35/30/25
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	05 MAY	146
ESTIMATED	06 MAY	148
PREDICTED	07 MAY-09 MAY	151/153/152
90 DAY MEAN	05 MAY	190

V. GEOMAGNETIC A INDICES

OBSERVED AFR	04 MAY	019	AP 05 MAY	017
ESTIMATED AFR	05 MAY	017	AFR/AP 06 MAY	010/010
PREDICTED AFR/AP	07 MAY-09 MAY	014/020-012/015-003/015		

SOLTERWARN
BT

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HFUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 126B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM

06/1200Z TO 06/2100Z:

SOLAR ACTIVITY HAS BEEN LOW. REGION 3717 (S05E10) FLARED TO CIXON AT 06/1656Z. THIS REGION HAS SHOWN DRAMATIC SHORT TERM GROWTH IN WHITE LIGHT. AREA HAS DOUBLED AND NUMBER OF SPOTS HAS ALSO INCREASED SIGNIFICANTLY. EMERGING FLUX IS REPORTED BEHIND THE TRAILER OF THE REGION. NEW REGIONS 3722 (S10E27), 3723 (N14E72) BOTH A TYPE SINGLE SPOTS WERE NUMBERED TODAY. ALL OTHER REGIONS APPEAR INSIGNIFICANT AND SMALL OR DECLING.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY SHOULD REMAIN LOW. ACTIVITY MAY INCREASE SLIGHTLY DUE TO INCREASED POTENTIAL IN REGION 3717.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. IT IS EXPECTED TO REMAIN UNSETTLED, SHOWING A TREND TOWARD QUIETER CONDITIONS THROUGH THE PERIOD.

III. EVENT PROBABILITIES: 07 MAY - 09 MAY

CLASS M 35/30/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 06 MAY 150

PREDICTED 07-09 MAY 151/153/152

90 DAY MEAN 06 MAY 189

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 MAY 16/17

ESTIMATED AFR/AP 06 MAY 09/10

PREDICTED AFR/AP 07-09 MAY 14/20 12/15 08/15

SOLTERWARN

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