

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.

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 014/020-012/015-008/015

SOLTERWARN

BT

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KBOU

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 C1X0N 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 DECLINING.

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

SOLTERWÄRN

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