

HFUS 1 BOU 051300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 125A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 05 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
04/1200Z TO 05/1200Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE
PAST 24 HOURS. ONLY TWO SMALL C-CLASS SUBFLARES WERE NOTED
DURING THE PERIOD, BOTH FROM REGION 3717 (S06E30). REGION 3717
IS EXPERIENCING SOME RESTRUCTURING. THE OTHER THREE SPOTTED
REGIONS ON THE VISIBLE DISK ARE STABLE OR DECLINING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE LOW. THERE IS A DECREASING PROBABILITY OF M-CLASS
FLARES, AND THAT PROBABILITY IS MAINLY FROM REGION 3717.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN GENERALLY ACTIVE DURING THE PAST 24 HOURS. ACTIVITY IS
EXPECTED TO DECLINE SLOWLY UNTIL 07 MAY WHEN THE FIELD WILL BE
DISTURBED AGAIN BRIEFLY.

III. EVENT PROBABILITIES 06 MAY-08 MAY

CLASS M 30/25/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAY 142

ESTIMATED 05 MAY 141

PREDICTED 06 MAY-08 MAY 140/139/138

90 DAY MEAN 04 MAY 191

V. GEOMAGNETIC A INDICES

OBSERVED AFR 03 MAY 038 AP 04 MAY 019

ESTIMATED AFR 04 MAY 022 AFR/AP 05 MAY 017/015

PREDICTED AFR/AP 06 MAY-08 MAY 012/010-017/020-008/015

SOLTERWARN

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HEIUS 3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 125R

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/1200Z
TO 05/2100Z: SOLAR ACTIVITY HAS BEEN LOW. NO EVENTS HAVE BEEN
REPORTED. SIX REGIONS ARE OBSERVED ON THE DISK TODAY. ONE NEW
REGION 3721 (S07E74) WAS NUMBERED TODAY, A SMALL A-TYPE GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE AT LOW LEVELS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED TO NEAR ACTIVE LEVELS. SOLAR WIND VELOCITY
CONTINUES ABOVE 500 KM/SEC WITH LOW DENSITIES OBSERVED. THE
GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT UNSETTLED LEVELS
THROUGHOUT MOST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 MAY - 08 MAY

CLASS M 30/25/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAY 146

PREDICTED 06-08 MAY 148/150/148

90-DAY MEAN 05 MAY 190

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 MAY 19/19

ESTIMATED AFR/AP 05 MAY 17/15

PREDICTED AFR/AP 06-08 MAY 12/10 - 17/20 - 08/15

SOLTERWARN

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