

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

BT

HELIUS 3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 125B

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 (SOTE 74) 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 UNSETLED TO NEAR ACTIVE LEVELS. SOLAR WIND VELOCITY CONTINUES ABOVE 500 KM/SEC WITH LOW DENSITIES OBSERVED. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT UNSETLED 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 0.7 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

BT