

HFUS 1 BOU 011300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 121A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 01 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/1200Z TO 01/1200Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. THE LARGEST EVENTS HAVE BEEN TWO C1/SN EVENTS FROM REGION 3715 (S13W73) AT 01/0424UT AND 01/0924UT. SOME MINOR GROWTH HAS BEEN REPORTED IN REGION 3714 (S18E15). THE REGION IS REPORTED TO CONTAIN A DELTA. REGION 3716 (S15W30) HAS SHOWN MINOR POINT BRIGHTENING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW HOWEVER REGION 3714 MAY PRODUCE AN ISOLATED M-CLASS EVENT AND IF RAPID CHANGE OCCURS A LARGE M EVENT IS POSSIBLE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE MAINLY DUE TO THE EFFECTS OF A CORONAL HOLE. THE CORONAL EFFECTS SHOULD BE OVER AND ONLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 MAY-04 MAY

CLASS M 20/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 APR 149

ESTIMATED 01 MAY 138

PREDICTED 02 MAY-04 MAY 138/137/138

90 DAY MEAN 30 APR 198

V. GEOMAGNETIC A INDICES

OBSERVED AFR 29 APR 025 AP 30 APR 033

ESTIMATED AFR 30 APR 028 AFR/AP 01 MAY 022/024

PREDICTED AFR/AP 02 MAY-04 MAY 012/020-012/015-012/018

SOLTERWARN

BT

HFUS 3 BOU 012200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 121B  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 01 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
01/1200Z TO 01/2100Z: SOLAR ACTIVITY REMAINS LOW WITH ONLY  
OCCASIONAL LOW LEVEL CLASS C/SUBFLARE EVENTS. REGION 3714  
(S18E07) CONTINUES A SLOW GROWTH PATTERN AND SOME DEGREE OF  
MAGNETIC COMPLEXITY EXISTS. REGION 3717 (S05E78) HAS ROTATED ON  
TO THE DISK AS A SMALL, SIMPLE REGION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
REMAIN LOW WITH A CHANCE OF AN ISOLATED CLASS M EVENT FROM  
REGION 3714.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN ACTIVE. THE FIELD IS EXPECTED TO BE UNSETLED WITH  
PERIODS AT ACTIVE LEVEL THROUGH 04 MAY.

III. EVENT PROBABILITIES 02 MAY-04 MAY

CLASS M 20/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAY 149

PREDICTED 02 MAY-04 MAY 146/145/145

90 DAY MEAN 01 MAY 196

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 APR 026/033

ESTIMATED AFR/AP 01 MAY 022/024

PREDICTED AFR/AP 02 MAY-04 MAY 012/020-012/015-012/018

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HXUS BOU 012200  
PREDM 02002 01503 01504  
PREDX 00102 00103 00104  
PREDP 00102 00103 00104  
PCAF 00102  
TENCM 14602 14503 14504  
AFRED 01202 01203 01204  
AFAPP 02002 01503 01804  
BT