

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 UNSETTLED 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
 SOLTERWARN
 BT

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