

HFUS 3 BOU 170430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 137A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 17 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS. A NEW REGION 1123 (S29E40) HAS FORMED ON THE DISK. AT PRESENT THIS NEW REGION IS A B TYPE SPOT GROUP. HOLLOWAY OBSERVED A FLARE IN THIS REGION AT 17/0005Z.

IB. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL. A FEW NON-ENERGETIC SUBFLARES ARE EXPECTED. AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETLED DURING THE PAST EIGHT HOURS. IT IS EXPECTED THAT THIS CONDITION WILL CONTINUE DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 MAY - 19 MAY

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAY 149

PREDICTED 17-19 MAY 152/155/158

90-DAY MEAN 16 MAY 146

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 MAY 07

ESTIMATED AFR/AP 16 MAY 05/07

PREDICTED AFR/AP 17-19 MAY 10/12 - 13/15 - 16/17

SOLTERWARN

BT

HFUS 3 BOU 171500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 137B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 17 MAY 1978

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST TEN HOURS. A C-5 X-RAY
BURST WITH NO REPORTED OPTICAL INFORMATION BEGAN AT 17/1230Z AND
ENDED AT 1257Z. A NEW H-TYPE REGION, 1124 (S29E 78), HAS ROTATED
ONTO THE DISK.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE REST OF THE
FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD WAS QUIET TO UNSETLED DURING THE PAST
TEN HOURS AND SHOULD REMAIN SO THROUGH THIS ZULU DAY.

III. EVENT PROBABILITIES 17 MAY - 19 MAY.

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAY 149

PREDICTED 17 - 19 MAY 152/155/158

90-DAY MEAN 16 MAY 146

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 MAY 07

ESTIMATED AFR/AP 16 MAY 05/07

PREDICTED AFR/AP 17 - 19 MAY 10/12 - 13/15 - 16/17

SOLTERWARN

BT

HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 137

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 MAY 1978

IA. SOLAR ACTIVITY WAS LOW TO MODERATE DURING THE PAST 24 HOURS.
A M-1 X-RAY EVENT BEGAN AT 17/1503Z, MAXED AT 1518Z, AND ENDED
AT 1525Z. SUBFLARES FROM SEVERAL REGIONS OCCURRED FROM 1438Z TO
1526Z, BUT IT APPEARS THAT A SUBNORMAL FROM REGION 1117
(S29W90) PRODUCED THE M-1 EVENT. REGION 1117 ALSO PRODUCED A
C5/0N FLARE WHICH MAXED AT 17/1239Z. REGION 1123 (S28E25 IS) IS A
FAST GROWING D-TYPE REGION WITH PLAGE ENHANCEMENTS AND AN AFS.
REGION 1112 (N21W00), AN E-TYPE SPOT GROUP, CONTINUED TO DISPLAY
POINT BRIGHTENINGS TO NEAR FLARE INTENSITY BUT HAS PRODUCED NO
ENERGETIC X-RAY ACTIVITY. REGIONS 1108 (N18W71), 1110 (S21W40),
AND 1114 (S27E16) HAVE ALL SHOWN PLAGE FLUCTUATION.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO OCCASIONALLY MODERATE
DURING THE NEXT 24 HOURS. THE PROBABILITY FOR M-CLASS EVENTS WILL
BE INCREASING AS THE DISK REGIONS CONTINUE DEVELOPING.

II. THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE PAST
24 HOURS. UNSETTLED TO OCCASIONALLY ACTIVE CONDITIONS ARE EXPECTED
DURING THE NEXT 48 HOURS WITH GENERALLY ACTIVE CONDITIONS ON
20 MAY.

III. EVENT PROBABILITIES 18 MAY - 20 MAY

CLASS M 25/30/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAY 141

PREDICTED 18-20 MAY 144/148/152

90-DAY MEAN 17 MAY 146

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 MAY 08

ESTIMATED AFR/AP 17 MAY 08/10

PREDICTED AFR/AP 18-20 MAY 13/15 - 16/17 - 20/25

SOLTERWARN

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