

HFUS 3 BOU 230430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 143A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 23 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST EIGHT HOURS.
REGION 1129 (N18E59) PRODUCED AN M2 X-RAY EVENT, A SN FLARE AT
03/0024Z. THE REST OF THE DISK HAS BEEN STABLE. THE LIMBS ARE
STABLE.

IB. SOLAR ACTIVITY WILL CONTINUE AT A LOW TO MODERATE LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND WILL CONTINUE AT
UNSETTLED TO QUIET LEVELS DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23 MAY - 25 MAY

CLASS M 30/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MAY 135

PREDICTED 23-25 MAY 138/141/144

90-DAY MEAN 22 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 MAY 24

ESTIMATED AFR/AP 22 MAY 22/27

PREDICTED AFR/AP 23-25 MAY 17/20 - 12/15 - 12/15

SOLTERWARN

BT

HFUS 3 BOU 231500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 143B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 23 MAY 1978

IA. SOLAR ACTIVITY WAS AT A LOW LEVEL DURING THE PAST 8 HOURS.

A CLASS C-2 X-RAY BURST WITH NO OPTICAL CORRELATION AT 230950Z
WAS THE ONLY ACTIVITY NOTED. A SMALL "B" TYPE SPOT (REGION 1126)
IS REDEVELOPING NEAR N18W65 WHILE THE COMPLEX IN THE NE 1129 (N18E54)
AND 1130 (N18E64) BECOMES MORE AND MORE INTERESTING.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET TO OCCASIONALLY UNSETTLED. UNSET-
TLED TO OCCASIONALLY ACTIVE CONDITIONS ARE EXPECTED FOR THE COMING
24 HOURS.

III. EVENT PROBABILITIES 23 MAY - 25 MAY

CLASS M 30/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MAY 135

PREDICTED 23 - 25 MAY 138/141/144

90-DAY MEAN 22 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 MAY 24

ESTIMATED AFR/AP 22 MAY 22/27

PREDICTED AFR/AP 23 - 25 MAY 17/20 - 12/15 - 12/15

SOLTERWARN

BT

HFUS 1 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 143

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 MAY 1978

IA. SOLAR ACTIVITY WAS LOW TO MODERATE DURING THE PAST 24 HOURS.
REGION 1129 (N17E49) PRODUCED AN M2 CLASS X-RAY BURST AT 230024Z
AND REGION 1131 (N26E70) PRODUCED AN M1 CLASS X-RAY BURST AT
230106Z. THE COMPLEX OF 1129 AND 1130 IS SO CLOSELY INTER-RELATED
THAT THE MAGNETIC STRUCTURE DOES NOT AID IN DELINEATING THE SEPARATE
REGIONS. THE COMPLEX WILL THUS BE NUMBERED 1129 AND CARRIED AS ONE
REGION. REGION 1114 (S26W66) HAS DECLINED SIGNIFICANTLY DURING THE
PAST 24 HOURS AND SPOTS HAVE REAPPEARED IN REGION 1126 AT N17W68.
OCCASIONAL SURGING IS BEING OBSERVED AT NE 24. NO OTHER SIGNIFICANT
CHANGES NOTED.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. NO CHANGE
IS EXPECTED.

III. EVENT PROBABILITIES 24 MAY - 26 MAY

CLASS M 50/50/50

CLASS X 01/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 MAY 141

PREDICTED 24-26 MAY 148/153/157

90-DAY MEAN 23 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 MAY 18

ESTIMATED AFR/AP 23 MAY 14/20

PREDICTED AFR/AP 24-26 MAY 12/15 - 12/15 - 10/10

SOLTERWARN

BT