

HFUS 3 BOU 280500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 179A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 28 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
THE REGIONS APPEAR TO HAVE BECOME QUITE STABLE. THERE HAVE BEEN
SEVERAL SMALL X-RAY EVENTS RECORDED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE, WITH CLASS C AND AN
OCCASIONAL CLASS M FLARE FROM REGIONS 839 (N15E20 AND 837 (S20W37).

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AND IS EXPECTED
TO CONTINUE AT THIS LEVEL DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 28 JUNE - 30 JUNE

CLASS M 75/75/75

CLASS X 30/30/30

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUNE 116

PREDICTED 28-30 JUNE 115/115/113

90-DAY MEAN 27 JUNE 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 JUNE 05

ESTIMATED AFR/AP 27 JUNE 07/07

PREDICTED AFR/AP 28-30 JUNE 08/10 - 12/15 - 12/15

SOLTERWARN

BT

HFUS 3 BOU 281500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 179-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 28 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS
WITH ONLY TWO CLASS C X-RAY BURST BEING REPORTED. REGIONS 837
(S20W46) AND 839 (N16E16) ARE DECAYING SLOWLY BUT RETAIN THEIR
POTENTIAL FOR ENERGETIC ACTIVITY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH OCCASIONAL PERIODS
OF MODERATE ACTIVITY DURING THE NEXT 3 DAYS.

II. THE GEOMAGNETIC FIELD IS QUIET. QUIET TO UNSETLED CONDITIONS
ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 28 - 30 JUNE

CLASS M 75/65/55

CLASS X 25/15/10

PROTON 05/01/01

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUNE 116

PREDICTED 28 - 30 JUNE 115/113/110

90-DAY MEAN 27 JUNE 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 JUNE 05

ESTIMATED AFR/AP 27 JUNE 07/07

PREDICTED AFR/AP 28 - 30 JUNE 08/10 - 12/15 - 12/15

SOLTERWARN

BT

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 179

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. REGION 837 (S21W51) IS A "D" TYPE SPOT GROUP THAT CONTINUES TO SLOWLY DECAY. IT IS NOW A BETA MAGNETICALLY WITH SIX SPOTS. ONE SUBFAINT FLARE HAS BEEN REPORTED IN 837 THIS ZULU DAY. REGION 839 (N17E12) HAS PRODUCED FOUR SUBFLARES TODAY BUT IT TOO HAS CONTINUED TO DECAY AND HAS LOST MUCH OF ITS THREATENING APPEARANCE. ENERGETIC ACTIVITY HAS DIMINISHED TO THE LEVEL OF SEVERAL "C" CLASS X-RAY BURST DURING THE PAST 24 HOURS.

IB. SOLAR ACTIVITY WILL BE AT A LOW LEVEL FOR THE NEXT 24 HOURS BUT THE POTENTIAL FOR "M" CLASS X-RAY BURSTS REMAINS.

II. THE GEOMAGNETIC FIELD IS QUIET TO OCCASIONALLY UNSETLED. QUIET TO UNSETLED CONDITIONS WITH PERIODS OF ACTIVE CONDITIONS ARE EXPECTED DURING THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 29 JUNE - 01 JULY

CLASS M 65/55/40

CLASS X 10/05/05

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JUNE 110

PREDICTED 29 JUNE - 01 JULY 108/106/103

90-DAY MEAN 28 JUNE 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JUNE 08

ESTIMATED AFR/AP 28 JUNE 10/10

PREDICTED AFR/AP 29 JUNE - 01 JULY 15/25 - 12/20 - 10/10

SOLTERWARN

BT