

HFUS 3 BOU 260430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 177A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 26 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 7 HOURS. SEVERAL  
C-CLASS X-RAY EVENTS HAVE BEEN PRODUCED BY REGIONS 837 (S21W12)  
AND 839 (N15E45). THE REST OF THE DISK AND LIMBS APPEAR QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO BE  
GENERALLY UNSETTLED.

III. EVENT PROBABILITIES 26 JUNE - 28 JUNE

CLASS M 60/70/70

CLASS X 15/20/20

PROTON 05/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JUNE 110

PREDICTED 26-28 JUNE 113/115/113

90-DAY MEAN 25 JUNE 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 JUNE 11

ESTIMATED AFR/AP 25 JUNE 06/05

PREDICTED AFR/AP 26-28 JUNE 06/07 - 08/10 - 12/15

SOLTERWARN

BT

HFUS 3 BOU 261500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 177B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 26 JUNE 1977

IA. SOLAR ACTIVITY IS INCREASING. REGIONS 837 (S21W19) AND 839  
(N15E39) ARE BOTH DEMONSTRATING THEIR CAPABILITIES TO PRODUCE  
ENERGETIC ACTIVITY. REGION 839 PRODUCED AN IMP IN FLARE AT 26/1018  
U.T. WHICH WAS ACCOMPANIED BY AN M-2 X-RAY BURST, SHORT-WAVE FADES  
TO 21 MHZ AND A 130 FLUX UNIT BURST ON 8800 MHZ. REGION 837  
PRODUCED AN M-2 X-RAY BURST AT 26/1338 U.T. THAT WAS ALSO ACCOMPANIED  
BY SIGNIFICANT SHORTWAVE FADES AS HIGH AS 19 MHZ. REGION 839  
CONTINUES TO DEVELOPE SLOWLY WHILE SLOW DECLINE HAS BEEN REPORTED IN  
837

IB. SOLAR ACTIVITY WILL BE AT A MODERATE TO HIGH LEVEL FOR THE NEXT  
24 HOURS. REGION 837 IS REACHING A POSITION WHERE CONTINUED ENERGETIC  
ACTIVITY SUGGEST CONDITION YELLOW ON THE PCAF.

II. THE GEOMAGNETIC FIELD IS QUIET TO SLIGHTLY UNSETTLED AND NO  
CHANGE IS EXPECTED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITY IS 26-28 JUN

CLASS M 75/75/75

CLASS X 30/30/30

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JUN 110

PREDICTED 26-28 JUN 113/115/113

90-DAY MEAN 25 JUN 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 JUN 11

ESTIMATED AFR/AP 25 JUN 06/05

PREDICTED AFR/AP 26-28 JUN 06/07 - 08/10 - 12/15

SOLTERWARN

BT

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 177

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 26 JUNE 1977.

IA. SOLAR ACTIVITY HAS BEEN MODERATE TO HIGH SINCE 26/0900 U.T.  
REGION 837 (S20W22) IS A SLOWLY DECAYING "E" TYPE GROUP THAT PRODUCED  
2 IMP 1 FLARES IN THE SPAN OF ONE AND ONE HALF HOURS. THE FIRST  
OCCURRED AT 26/1336 U.T; WAS ASSOCIATED WITH AN M-2 X-RAY BURST AND  
SHORTWAVE FADES TO 21 MHZ. THE SECOND OCCURRED AT 26/1420 U.T; WAS  
ACCOMPANIED BY AN M-1 X-RAY BURST AND SHORTWAVE FADES TO 18 MHZ.  
REGION 839 (N17E36) IS CONFIGURED INTO A LARGE PENUMBRAL AREA WITH A  
SMALL PENUMBRA JUST TO THE NORTH. SMALL, WELL DEVELOPED UMBRA ARE  
INTERSPERSED THROUGHOUT BOTH PENUMBRA. REGION 839 PRODUCED AN M-2  
X-RAY BURST AT 26/1018 U.T. THAT HAD SHORTWAVE FADES TO 21 MHZ. AN  
IMP 1 FLARE WAS ALSO RESPONSIBLE FOR THIS EVENT. THE REST OF THE DISK  
AND LIMBS ARE QUIET.

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

II. THE GEOMAGNETIC FIELD IS QUIET. QUIET TO UNSETTLED CONDITIONS  
SHOULD CONTINUE FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 27-29 JUN

CLASS M 75/75/75

CLASS X 30/30/30

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JUN 117

PREDICTED 27-29 JUN 118/118/117

90-DAY MEAN 26 JUN 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 JUN 05

ESTIMATED AFR/AP 26 JUN 06/06

PREDICTED AFR/AP 27-29 JUN 08/10 - 12/15 - 12/15

SOLTERWARN

BT