

HFUS 3 BOU 270430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 178A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 27 JUNE 1977

IA. SOLAR ACTIVITY CONTINUES MODERATE WITH NUMEROUS SMALL FLARES DURING THE PAST 12 HOURS. AN M1 EVENT OCCURRED AT 26/2215Z AND C8 EVENTS OCCURRED AT 0123Z AND 0415Z. WEATHER HAS SERIOUSLY LIMITED OPTICAL IDENTIFICATION OF THIS ACTIVITY. THE LARGER EVENT OCCURRED IN REGION 839 (N15E34) WHICH CONTINUES AS A COMPLEX CLASS E SPOT GROUP. REGION 837 (S20W24) CONTINUES WITH A COMPLEX DELTA CONFIGURATION BUT THE SPOTS MAY BE BEGINNING TO DECAY. THE 0415Z EVENT OCCURRED IN THIS REGION. ALL OTHER REGIONS ARE FAINT AND INACTIVE.

IB. FREQUENT FLARES ARE EXPECTED TO CONTINUE IN BOTH REGION 837 AND 839. EVENTS SHOULD REMAIN LESS THAN M5 IN MAGNITUDE UNLESS SIGNIFICANT NEW GROWTH OCCURS IN EITHER REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED FOR THE PAST 12 HOURS. CONDITIONS MAY BECOME MORE UNSETTLED AS REGION 837 BECOMES ALIGNED WITH THE SUN-EARTH CONNECTION LONGITUDE.

III. EVENT PROBABILITIES 27 JUNE - 29 JUNE

CLASS M 75/75/75

CLASS X 30/30/30

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JUNE 117

PREDICTED 27-29 JUNE 118/118/117

90-DAY MEAN 26 JUNE 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 JUNE 05

ESTIMATED AFR/AP 26 JUNE 06/06

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

SOLTERWARN

BT

HFUS 3 BOU 271500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 178-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 27 JUNE 1977

IA. SOLAR ACTIVITY IS AT A MODERATE TO HIGH LEVEL. THE MOST SIGNIFICANT RECENT EVENT WAS A IN FLARE FROM REGION 839 (N15E30) NEAR 070515 U.T.. GEOPHYSICAL EFFECTS FROM THIS FLARE INCLUDED SHORT WAVE FADES TO 18 MHZ, 110 FLUX UNIT BURST AT 8800 MHZ AND X-RAY BURST OF CLASS M-1. REGION 839 HAS NOT CHANGED MUCH STRUCTURALLY BUT A LITTLE PENUMBRAL DECAY IN ITS TRAILING PORTIONS HAS BEEN NOTED. REGION 837 (S20W32) HAS SHOWN SIGNIFICANT FRAGMENTATION SINCE YESTERDAY AND HAS ALSO DECLINED IN FLARE PRODUCTION. THE REST OF THE DISK IS QUIET.

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

II. THE GEOMAGNETIC FIELD IS QUIET. QUIET TO OCCASIONALLY UNSETTLED CONDITIONS WILL PERSIST FOR THE NEXT 24 TO 36 HOURS.

III. EVENT PROBABILITIES 27-29 JUNE

CLASS M 75/75/75

CLASS X 30/30/30

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JUNE 117

PREDICTED 27-29 JUNE 118/118/117

90-DAY MEAN 21 JUNE 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 JUNE 05

ESTIMATED AFR/AP 26 JUNE 06/06

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

SOLTERWARN

BT

HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 178

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN AT A GENERALLY MODERATE LEVEL DURING
THE PAST 24 HOURS. REGION 837 (S20W34) MAY BE REGENERATING AND
POSSIBLY HAS NEW EMERGING FLUX OUT TO THE WEST OF THE LARGE CENTRAL
SPOT. REGION 839 (N15E23) REMAINS LARGE AND AWESOME IN APPEARANCE.
SOME STRUCTURAL CHANGES HAVE BEEN NOTED IN THE EASTERN PORTIONS OF
ITS PENUMBRA BUT NOTICEABLE LOSS IN SIZE HAS NOT RESULTED. THE
DELTA CONFIGURATION IN BOTH REGIONS HAS DISAPPEARED. CLOUDS ARE
HAMPERING OPTICAL REPORTS BUT X-RAY DATA WOULD SUGGEST THAT ACTIVITY
HAS BEEN SMALL SINCE THE IMP IN FLARE NEAR 270530 U.T.

IB. SOLAR ACTIVITY WILL REMAIN AT A MODERATE LEVEL FOR THE NEXT 24
HOURS.

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

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