

HFUS 3 BOU 250500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 176-A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 25 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 837 (S21W02) AND
REGION 839 (N15E59) HAVE EACH PRODUCED A SUBNORMAL FLARE. PERIODIC
BRIGHTENINGS OF PLAGE TO NEAR FLARE INTENSITY WERE NOTED. A PRO-
MINENCE NEAR NE20 LIFTED ABOUT 2230Z AND A PROMINENCE ON SW
LIMB WAS SEEN CHANGING. THE REST OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGIONS 837 AND 839 ARE
STILL COMPLEX.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS EXPECTED TO
REMAIN UNSETTLED.

III. EVENT PROBABILITIES 25 - 27 JUNE

CLASS M 40/50/50

CLASS X 05/10/10

PROTON 02/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JUNE 104

PREDICTED 25-27 JUNE 105/106/105

90-DAY MEAN 24 JUNE 81

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 JUNE 10

ESTIMATED AFR/AP 24 JUNE 08/08

PREDICTED AFR/AP 25-27 JUNE 12/12 - 15/15 - 15/15

SOLTERWARN

BT

HFUS 3 BOU 251500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 176-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 25 JUN 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 8 HOURS. A SUB
BRIGHT FLARE WAS REPORTED IN REGION 839 (N15E55) AND A SUB-NORMAL
IN REGION 837 (S21W05) BOTH AT APPROXIMATELY 1100Z. A C-7 X-RAY
EVENT WAS RECORDED AT THE SAME TIME BUT CANNTO BE CORRELATED WITH A
REGION. REGION 837 HAS DECAYED SLIGHTLY. THE REMAINDER OF THE DISK
AND LIMBS ARE QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 839 IS STILL
COMPLEX AND COULD PRODUCE SIGNIFICANT ACTIVITY. THE APPARENT
DECAY IN REGION 837 COULD RESULT IN SIGNIFICANT ACTIVITY AS WELL.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 8 HOURS.

GENERALLY UNSETTLED CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 25 - 27 JUNE

CLASS M 40/50/50

CLASS X 05/10/10

PROTON 02/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JUNE 104

PREDICTED 25 - 27 JUNE 105/106/105

90-DAY MEAN 24 JUNE 81

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 JUNE 10

ESTIMATED AFR/AP 24 JUNE 08/08

PREDICTED AFR/AP 25 - 27 JUNE 08/10 - 10/12 - 10/12

SOLTERWARN

BT

HFUS 1 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 176

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS. REGION 837 (S21W08) AND 839 (N15E45) CONTINUE AS COMPLEX REGIONS ALTHOUGH 837 SHOWS SIGNS OF DECAY. REGION 839 HAS BEEN THE MOST ACTIVE PRODUCING A SUB-BRIGHT FLARE WITH M1 CLASS X-RAYS. SEVERAL CLASS C EVENTS HAVE BEEN RECORDED AS WELL.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH SEVERAL CLASS C EVENTS AND OCCASIONAL CLASS M EVENTS. REGION 839 IS EXPECTED TO BE THE MAJOR PRODUCER.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS. QUIET TO SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED THROUGH THE NEXT 24 HOURS.

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 06/08 - 08/10 - 12/15

SOLTERWARN

BT