

HFUS 3 BOU 220500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 173A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 22 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL DURING THE PAST
EIGHT HOURS. THE DISK REGIONS HAVE BEEN QUIET AND STABLE. THE LIMBS
ARE QUIET.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO CONTINUE
AT THAT LEVEL DURING THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 22 JUNE - 24 JUNE

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JUNE 89

PREDICTED 22-24 JUNE 90/90/90

90-DAY MEAN 21 JUNE 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 JUNE 15

ESTIMATED AFR/AP 21 JUNE 06/06

PREDICTED AFR/AP 22-24 JUNE 07/07 - 07/07 - 10/10

SOLTERWARN

BT

HFUS 3 BOU 221500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 173-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 22 JUNE 1977

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW FOR THE PAST 12 HOURS.
NO EVENTS HAVE BEEN REPORTED BY ANY DETECTORS IN SPACE OR ON THE GROUND,
EXCEPT FOR MINOR DARK SURGES AND FILAMENT ACTIVITY. REGION 837
(S21E36) CONTINUES TO DEVELOP NEW SMALL SPOTS IN A PECULIAR EVOLUTION.
THE SPOT GROUP IS NOW CAI IN TYPE AND EXHIBITS COMPLEX STRUCTURE
SOUTH AND EAST OF THE IRREGULAR LEADER SPOTS. SURGES AND BRIGHT FACULAE
ARE VISIBLE AT EAST LIMB NEAR N18. THE REMAINDER OF THE DISK AND
LIMBS ARE QUIET.

IB. SOLAR INDICES ARE EXPECTED TO CONTINUE TO RISE WITH THE EAST
LIMB PASSAGE OF A NEW ACTIVE REGION AND THE CONTINUED SLOW GROWTH
OF REGION 837. CLASS M FLARE ACTIVITY WOULD BE LIKELY SHOULD
THE STRUCTURE OF 837 BECOME MORE COMPLEX.

II. THE GEOMAGNETIC FIELD HAS CONTINUED VERY QUIET FOR THE PAST
12 HOURS. QUIET TO SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED
THROUGH THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 22 - 24 JUNE

CLASS M 10/15/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JUNE 89

PREDICTED 22 - 24 JUNE 95/97/98

90-DAY MEAN 21 JUNE 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 JUNE 15

ESTIMATED AFR/AP 21 JUNE 06/06

PREDICTED AFR/AP 22 - 24 JUNE 07/07 - 07/07 - 10/10

SOLTERWARN

BT

HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 173

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. A LARGE SURGE AND ACTIVE PROMINENCE REGION PRODUCED CLASS-C X-RAY EVENTS AT 1458Z AND 2117Z. THE SURGES EMANATED FROM A REGION BEYOND THE EAST LIMB AT ABOUT N18. THIS IS NEAR THE LOCATION OF OLD REGION 832 WHICH IS DUE AT EAST LIMB TOMORROW. REGION 837 (S22E30) HAS DEVELOPED A DELTA MAGNETIC CONFIGURATION WITH THE CONTINUED GROWTH OF SMALL SPOTS. THE GROUP HAS HAD A PECULIAR EVOLUTION. PLAGE AREA AND COMPLEXITY CONTINUE TO INCREASE. ALL OTHER REGIONS ARE SIMPLE AND QUIET.

IB. SOLAR INDICES ARE EXPECTED TO RISE WITH THE EAST LIMB PASSAGE OF THE IMPORTANT SURGING AREA. CONTINUED GROWTH OF REGION 837 IS LIKELY. CLASS M EVENTS ARE EXPECTED IF MAGNETIC GRADIENTS CONTINUE TO BUILD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. CONDITIONS ARE EXPECTED TO BECOME SLIGHTLY MORE UNSETTLED DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 23 JUNE - 25 JUNE

CLASS M 25/30/40

CLASS X 01/02/03

PROTON 01/02/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JUNE 96

PREDICTED 23-25 JUNE 100/102/103

90-DAY MEAN 22 JUNE 81

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 JUNE 08

ESTIMATED AFR/AP 22 JUNE 08/10

PREDICTED AFR/AP 23-25 JUNE 10/10 - 10/10 - 10/10

SOLTERWARM

BT