

HFUS 3 BOU 020530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 033A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 02 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
REGION 991 (N19E10) HAS UNDERGONE SPOT DEVELOPMENT IN THE LEADING
AND INTERMEDIATE SECTIONS. THE REST OF THE DISK FEATURES APPEAR
STABLE AND QUIET. THE X-RAY LEVEL CONTINUES AT C LEVEL.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE FORECAST
PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST
EIGHT HOURS IT IS EXPECTED THE FIELD WILL CONTINUE UNSETTLED
TO QUIET DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 FEBRUARY - 04 FEBRUARY

CLASS M 60/60/60

CLASS X 20/20/20

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 FEBRUARY 143

PREDICTED 02-04 FEBRUARY 140/140/138

90-DAY MEAN 01 FEBRUARY 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 JANUARY 18

ESTIMATED AFR/AP 01 FEBRUARY 10/13

PREDICTED AFR/AP 02-04 FEBRUARY 15/20 - 15/20 - 10/15

SOLTERWARN

BT

HFUS 3 BOU 021500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 033B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 02 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL ; HOWEVER THIS
QUIETUDE WAS DISRUPTED AT 02/1132 U.T. BY AN M-2 CLASS X-RAY EVENT.
OPTICAL MANIFESTATION OF THIS EVENT WAS A SUBNORMAL FLARE IN REGION
991 (N19E09). SHORTWAVE FADES TO 15 MHZ WERE OBSERVED FOR 10
MINUTES. REGION 991 ALSO PRODUCED A SUBNORMAL FLARE NEAR 02/0824
U.T. THAT HAD A C-3 X-RAY BURST AND A 51 FLUX UNIT BURST AT 2695 MHZ.
THE OTHER DISK REGIONS HAVE BEEN STABLE. AN APR NEAR NE27 WAS
REPORTED EARLIER TODAY BUT SINCE THEN THE LIMBS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY WILL BE AT A LOW TO MODERATE LEVEL FOR THE
NEXT 24 HOURS.

THE GEOMAGNETIC FIELD IS UNSETTLED. UNSETTLED TO ACTIVE CONDITIONS
SHOULD PERSIST.

III. EVENT PROBABILITIES 02 FEBRUARY - 04 FEBRUARY

CLASS M 60/60/60

CLASS X 20/20/20

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 FEBRUARY 143

PREDICTED 02-04 FEBRUARY 140/140/138

90-DAY MEAN 01 FEBRUARY 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 JANUARY 18

ESTIMATED AFR/AP 01 FEBRUARY 10/13

PREDICTED AFR/AP 02-04 FEBRUARY 15/20 - 15/20 - 10/15

SOLTERWARN

BT

492694
HFUS I BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 033

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN AT A MODERATE LEVEL DURING THE PAST 24 HOURS. REGION 991 (N18W00) IS THE LARGEST, MOST IMPRESSIVE AND ACTIVE REGION ON THE DISK. TWO ENERGETIC EVENTS EARLIER TODAY ATTEST TO THE POTENTIAL OF 991. A SN/C-3 AT 02/0824 U.T. HAD A 51 FLUX UNIT BURST AT 2695 MHZ. AND A SN/M-2 AT 02/1132 U.T. WAS ACCOMPANIED BY SHORTWAVE FADES UP TO 15 MHZ. REGION 988 (S28W18) HAD AN EXTENDED PERIOD IN WHICH BRIGHT POINTS, PLAGE BRIGHTENINGS AND SMALL FILAMENT ACTIVITY WERE OBSERVED EARLIER TODAY AND IT IS THOUGHT TO BE THE CAUSE OF THE X-RAY BACKGROUND RUNNING WELL ABOVE CLASS C CRITERIA. REGIONS 998 AND 999 ARE NOW VISIBLE NEAR (N28E72) (N19E80) RESPECTIVELY. THE REGION NUMBERED AS 997 (S26E75) ON THE 02/0200 U.T. REGION REPORT SHOULD HAVE BEEN REGION 995. THE REGION NUMBERED AS 995 HAD THE WRONG COORDINATES AND THEY SHOULD HAVE READ S26E71. THE REGION NOW NUMBERED AS 997 IS LOCATED AT N20E69.

IB. SOLAR ACTIVITY SHOULD BE AT A MODERATE LEVEL FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETTLED AND NO SIGNIFICANT CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 03-05 FEB

CLASS M 75/75/75

CLASS X 20/20/20

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 FEB 157

PREDICTED 03-05 FEB 156/155/154

90-DAY MEAN 02 FEB 104

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 FEB 15

EATIMATED AFR/AP 02 FEB 11/11

PREDICTED AFR/AP 03-05 FEB 15/15 - 12/12 - 10/10

SOLTERWARN

BT