

HFUS 3 BOU 060530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 037A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 06 FEBRUARY 1978

IA. THE SUN HAS BEEN FAIRLY QUIET DURING THE PAST 8 HOURS. A SINGLE
C-CLASS SUBFLARE HAS BEEN REPORTED IN REGION 1001 (N18E73). REGIONS
988 (S30W61), 997 (N22E16) AND 999 (N22E25) ALL RETAIN THE POTENTIAL
TO PRODUCE M-CLASS FLARES.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE DURING THE NEXT 24
HOURS. ISOLATED M-CLASS EVENTS ARE EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 8 HOURS.
THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT 72
HOURS. FLARE INDUCED MAGNETIC STORMS ARE A POSSIBILITY DURING THE
NEXT WEEK TO 10 DAYS.

III. EVENT PROBABILITIES 06 FEBRUARY - 08 FEBRUARY

CLASS M 85/85/85

CLASS X 20/20/20

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA (10.7 CM FLUX

OBSERVED 05 FEBRUARY 164

PREDICTED 06-08 FEBRUARY 162/160/158

90-DAY MEAN 05 FEBRUARY 107

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 FEBRUARY 08

ESTIMATED AFR/AP 05 FEBRUARY 13/18

PREDICTED AFR/AP 06-08 FEBRUARY 15/15 - 12/14 - 10/12

SOLTERWARN

BT

HFUS 3 BOU 061500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 037B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 6 FEB 1978

IA. SOLAR ACTIVITY HAS BEEN CONFINED TO SMALL C TYPE FLARES, MOSTLY FROM REGION 1001 (N15E70). THIS AREA MAY HAVE A COMPLEX SPOT GROUP AND MAY BE GROWING. GENERAL DECLINE OR SPOT COALESCING HAS BEEN REPORTED IN OTHER REGIONS, HOWEVER, SEVERAL AREAS STILL RETAIN THE POTENTIAL FOR ENERGETIC ACTIVITY.

IB. ISOLATED CLASS M ACTIVITY IS STILL EXPECTED FROM THE 999 (N22 E20)/998 (N28E20)/ 997 (N22E11) COMPLEX AND FROM REGIONS 1001 AND 988 (S30W65).

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET FOR THE PAST 8 HOURS. UNSETTLED CONDITIONS ARE EXPECTED TO REDUCE TO GENERALLY QUIET AT THE END OF THE 3 DAY PERIOD.

III. EVENT PROBABILITIES 06 FEBRUARY - 08 FEBRUARY

CLASS M 85/85/85

CLASS X 20/20/20

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 FEBRUARY 164

PREDICTED 06-08 FEBRUARY 162/160/158

90-DAY MEAN 05 FEBRUARY 107

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 FEBRUARY 08

ESTIMATED AFR/AP 05 FEBRUARY 13/18

PREDICTED AFR/AP 06-08 FEBRUARY 15/15 - 12/14 - 10/12

SOLTERWARN

BT

HFUS 1 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 037

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 6 FEB 1978

IA. THE LOW LEVEL OF SOLAR ACTIVITY CONTINUED FOR ITS THIRD DAY WITH ONLY SMALL C CLASS EVENTS BEING OBSERVED. THERE REMAIN 10 SPOTTED REGIONS ON THE DISK, THE MOST IMPRESSIVE ARE REGIONS 1001 (N18E62) AND 988 (S30W72) AND THE 997 (N21E07), 998 (N28E15), 999 (N20E16) COMPLEX. REGION 1001 IS AN IMPRESSIVE E TYPE SPOT GROUP WITH A POSSIBLE COMPLEX MAGNETIC CONFIGURATION. ALL OTHER REGIONS APPEAR TO BE STABLE OR DECLINING.

IB. A LOW TO MODERATE LEVEL OF SOLAR ACTIVITY IS EXPECTED THRU THE NEXT THREE DAYS. ENERGETIC EVENTS ARE POSSIBLE FROM THE 1001, 988 AND 997/998/999 AREAS, BUT ARE EXPECTED TO BE INFREQUENT.

II. THE GEOMAGNETIC FIELD REMAINS BASICALLY UNSETTLED. THE GENERAL LEVEL OF ACTIVITY IS EXPECTED TO DECLINE OVER THE THREE DAYS. ISO-LATED ACTIVE PERIODS MAY OCCUR IN NIGHT TIME SECTORS. FLARE INDUCED EVENTS ARE POSSIBLE.

III. EVENT PROBABILITIES 7-9 FEB

CLASS M 50/50/50

CLASS X 20/20/20

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 6 FEB 161

PREDICTED 7-9 FEB 163/162/160

90-DAY MEAN 6 FEB 107

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 5 FEB 14

ESTIMATED AFR/AP 6 FEB 09/10

PREDICTED AFR/AP 7-9 FEB 12/12 - 10/10 - 8/8

SOLTERWARN

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