

HFUS 3 BOU 070530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 038A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 07 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
A FEW NON ENERGETIC SUBFLARES HAVE BEEN OBSERVED. REGION 1001
(N18E59) HAS BEEN THE MOST PRODUCTIVE. THE REST OF THE DISK REGIONS
APPEAR STABLE. THE LIMBS ARE QUIET. THE X-RAY LEVEL HAS BEEN AT C
LEVEL DURING THE PAST EIGHT HOURS.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT LOW TO MODERATE LEVEL.
REGION 1001 IS CAPABLE OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AND IT IS
EXPECTED THAT THE FIELD WILL REMAIN UNSETTLED DURING THE FORECAST
PERIOD.

III. EVENT PROBABILITIES 07 FEBRUARY - 09 FEBRUARY

CLASS M 50/50/50

CLASS X 20/20/20

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 FEBRUARY 161

PREDICTED 07-09 FEBRUARY 163/162/160

90-DAY MEAN 06 FEBRUARY 107

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 FEBRUARY 14

ESTIMATED AFR/AP 06 FEBRUARY 09/09

PREDICTED AFR/AP 07-09 FEBRUARY 12/12 - 10/10 - 08/08

SOLTERWARN

BT

HFUS 3 BOU 071500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 038B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 07 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. VERY LIMITED OPTICAL OBSERVATION
INDICATE MINOR DECAY IN MOST REGIONS. X-RAY TRACES WERE QUIET WITH
NO SIGNIFICANT BURSTS OBSERVED.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD WAS QUIET. THE FIELD SHOULD BE QUIET TO
SLIGHTLY UNSETTLED THRU THE PERIOD.

III. EVENT PROBABILITIES 07 FEBRUARY - 09 FEBRUARY

CLASS M 50/50/50

CLASS X 20/20/20

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7-CM FLUX

OBSERVED 06 FEBRUARY 161

PREDICTED 07-09 FEBRUARY 163/162/160

90-DAY MEAN 06 FEBRUARY 107

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 FEBRUARY 14

ESTIMATED AFR/AP 06 FEBRUARY 09/09

PREDICTED AFR/AP 07-09 FEBRUARY 06/07 - 10/10 - 08/08

SOLTERWARN

BT

HFUS 1 BOU 072210

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 038

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. ALL REGIONS WERE QUIESCENT UNTIL
07/1800Z WHEN REGIONS 998 (N27E05) AND 1001 (N16E52) BEGAN TO
PRODUCE SUB-FLARES AT A RAPID RATE. REGION 1001 IS THE MOST
IMPRESSIVE REGION WITH AN F-TYPE SPOT GROUP AND DELTA MAGNETIC
CLASS. A 1-B FLARE WAS REPORTED AT 07/2055Z WITH A C-7 X-RAY
MAX AT 2118Z. REGION 998 IS A COMPLEX E-TYPE GROUP WITH A SN FLARE
REPORTED AT 1718Z. OTHER REGIONS SEEM STABLE OR SHOWING DECAY
AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGION 1001 CAN BE
EXPECTED TO PRODUCE AT LEAST ONE M CLASS EVENT WITH CLASS X
EVENTS A POSSIBILITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. GENERALLY QUIET CONDITIONS
SHOULD PREVAIL THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 FEBRUARY - 10 FEBRUARY

CLASS M 60/60/60

CLASS X 20/20/20

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 FEBRUARY 162

PREDICTED 08-10 FEBRUARY 163/160/155

90-DAY MEAN 07 FEBRUARY 108

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 FEBRUARY MISSING

ESTIMATED AFR/AP 07 FEBRUARY 07/07

PREDICTED AFR/AP 08-10 FEBRUARY 07/07 - 05/05 - 05/05

SOLTERWARN

BT