

HFUS 3 BOU 050530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 036A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 05 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN CONFINED TO LOW LEVEL CLASS C X-RAY
EVENTS. X-RAY BACKGROUND REMAINS AT C-1 LEVEL. DUE TO FORMATION
OF INTERMEDIATE SPOTS, SEPARATION OF REGIONS 997 (N22E34) AND
999 (N19E37) HAS BECOME DIFFICULT. CONTINUED GROWTH IN THIS COMPLEX
SHOULD ENHANCE THE PROBABILITY OF ENERGETIC EVENTS. MINOR SURGING
IS OCCURRING NEAR NE17.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.

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

III. EVENT PROBABILITIES 05 FEBRUARY - 07 FEBRUARY

CLASS M 85/85/85

CLASS X 20/20/20

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 FEBRUARY 158

PREDICTED 05-07 FEBRUARY 155/151/146

90-DAY MEAN 04 FEBRUARY 106

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 FEBRUARY 12

ESTIMATED AFR/AP 04 FEBRUARY 07/07

PREDICTED AFR/AP 05-07 FEBRUARY 15/20 - 15/20 - 12/15

SOLTERWARN

BT

HFUS 3 BOU 05 1500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 0368

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 5 FEB 1978

IA. DESPITE THE NUMEROUS ACTIVE REGIONS ON THE SOLAR DISK, FLARE ACTIVITY HAS BEEN AT A LOW LEVEL WITH ONLY SMALL C EVENTS BEING OBSERVED. THE LAST EVENT WAS A C-2 AT 0700Z, HOWEVER, WITH X-RAY BACKGROUND AT A C-1 LEVEL, SMALL EVENTS BECOME DIFFICULT TO IDENTIFY. RESTRUCTURING CONTINUES IN THE 999 (N19E33), 998 (N27E35) AND 997 (N22E30) COMPLEX. REGION 1001 IS ROTATING ON TO THE DISK NEAR N18.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT A LOW TO MODERATE LEVEL THRU THE FORECAST PERIOD. CLASS M EVENTS ARE POSSIBLE AND SHOULD BE EXPECTED, ESPECIALLY FROM THE AREA OF THE 999, 998, 997 COMPLEX AND FROM THE 988 (S28W47) AND 991 (N20W31) AREAS.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED WITH SOME ACTIVE PERIODS THE PAST 24 HOURS. SIMILAR CONDITIONS ARE EXPECTED THRU THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 05 FEBRUARY - 07 FEBRUARY

CLASS M 85/85/85

CLASS X 20/20/20

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 FEBRUARY 158

PREDICTED 05-07 FEBRUARY 155/151/146

90-DAY MEAN 04 FEBRUARY 106

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 FEBRUARY 12

ESTIMATED AFR/AP 04 FEBRUARY 07/07

PREDICTED AFR/AP 05-07 FEBRUARY 15/20 - 15/20 - 12/15

SOLTERWARN

BT

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 036

JOINT AFGWC/SESC PRIMAY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 5 FEB 1978

IA. THE SUN HAS BEEN RELATIVELY QUIET THE PAST 24 HOURS WITH ONLY C-CLASS EVENTS BEING OBSERVED. REGION 1001 (N18E78) HAS BEEN REPORTED AS VERY BRIGHT AND CONTAINING MULTIPLE SPOTS. SURGE ACTIVITY CONTINUES AT THIS LOCATION. MOST OF THE OTHER ACTIVITY HAS BEEN IN THE 997 (N22E20), 998 (N28E28), 999 (N22E29) COMPLEX AND NEAR 988 (S30W57) AND 991 (N18W38). THE 1-8 ANGSTROM BACKGROUND FLUX REMAINS AROUND THE C-2 LEVEL, HOWEVER, THE 0.5-4 ANGSTROM FLUX INDICATES CONTINUING SMALL EVENTS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH DAILY CLASS M EVENTS. MORE ENERGETIC ACTIVITY, LEADING TO PROTON EVENTS ARE POSSIBLE FROM THE 988 AND 991 AREAS.

II. GENERALLY UNSETTLED GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED OVER THE PAST 24 HOURS. THIS LEVEL OF ACTIVITY IS EXPECTED TO CONTINUE THRU THE FORECAST PERIOD. FLARE INDUCED DISTURBANCES ARE POSSIBLE FOR THE NEXT WEEK TO 10 DAYS.

III. EVENT PROBABILITIES 6-8 FEB

CLASS M 85/85/85

CLASS X 20/20/20

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 5 FEB 164

PREDICTED 6-8 FEB 162/160/158

90-DAY MEAN 5 FEB 107

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 4 FEB 08

ESTIMATED AFR/AP 5 FEB 13/15

PREDICTED AFR/AP 6-8 FEB 15/15 - 12/14 - 10/12

SOLTERWARN

BT