

HFUS 3 BOU 090530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 040A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 09 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS. WE
HAVE HAD NON-ENERGETIC FLARES FROM REGIONS 998 (N28W12), 997
(N22W19), AND 1001 (N16E34). REGION 1001 HAS SHOWN SOME GROWTH.
THE REST OF THE DISK REGIONS APPEAR STABLE. SMALL BSL ACTIVITY
HAS BEEN OBSERVED FROM THE NW LIMB.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE WITH REGIONS 998 AND
1001 PROVIDING MOST OF THE ACTIVITY. CLASS C ACTIVITY IS EXPECTED
AND CLASS M ACTIVITY IS PROBABLE.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED AND IS
EXPECTED TO REMAIN THAT WAY DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 FEBRUARY - 11 FEBRUARY

CLASS M 90/90/90

CLASS X 40/40/40

PROTON 40/40/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 FEBRUARY 165

PREDICTED 09-11 FEBRUARY 165/165/165

90-DAY MEAN 08 FEBRUARY 109

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 FEBRUARY 05

ESTIMATED AFR/AP 08 FEBRUARY 09/09

PREDICTED AFR/AP 09-11 FEBRUARY 10/10 - 10/10 - 10/10

SOLTERWARM

BT

HFUS 3 BOU 091500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 040B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 09 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE THIS ZULU DAY WITH BOTH REGIONS
998 (N28W17) AND 1001 (N16E29) CONTRIBUTING TO THE FLARE ACTIVITY.
THE LARGEST EVENT WAS A POSSIBLE SB/M1 AT 09/1158Z IN REGION 1001.
SWF THROUGH 18 MHZ AND MINOR CENTIMETRIC BURST ACCOMPANIED THIS
EVENT. BOTH REGIONS 998 AND 1001 REMAIN COMPLEX IN STRUCTURE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE.

II. THE GEOMAGNETIC FIELD WAS SLIGHTLY UNSETTLED, BECOMING ACTIVE
AFTER 09/0700Z. THE FIELD IS EXPECTED TO REMAIN UNSETTLED TO
SLIGHTLY ACTIVE FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 09 FEBRUARY - 11 FEBRUARY

CLASS M 90/90/90

CLASS X 40/40/40

PROTON 40/40/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 FEBRUARY 165

PREDICTED 09-11 FEBRUARY 165/165/165

90-DAY MEAN 08 FEBRUARY 109

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 FEBRUARY 05

ESTIMATED AFR/AP 08 FEBRUARY 09/09

PREDICTED AFR/AP 09-11 FEBRUARY 10/10 - 10/10 - 10/10

SOLTERWARN

BT

HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 040

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 09 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE TO HIGH. FOUR M-1 XRAY EVENTS
HAVE OCCURRED IN ASSOCIATION WITH FLARES IN REGIONS 997 (N21W26);
998 (N26W20); AND 1001 (N15E24). MAX TIMES FOR THESE M1 EVENTS ARE-
0613Z; 1159Z; 1454Z; AND 1525Z. THE LARGEST EVENT WAS A SB/M7

(1604Z MAX) FROM REGION 991 ROTATING OFF WEST LIMB AT N17. SHORT
WAVE FADES (SWF) AND MINOR CENTIMETRIC BURSTS ACCOMPANIED THESE
EVENTS. CORONAL RAIN WAS OBSERVED BY BOULDER OVER REGION 991 AT

072015Z. REGION 988 HAS SHOWN SPOT DECAY DURING THE PAST 24
HOURS. HOWEVER, REGION 1001 CONTINUES ITS GROWTH AND NEW SPOTS
HAVE EMERGED IN REGION 999 (N18W18). REGION 1005 (S29E52) HAS

EMERGED TODAY AND CURRENTLY SHOWS SOME GROWTH TENDENCY. REGION
1001 AND THE 997/998/999 COMPLEX REMAIN MAGNETICALLY COMPLEX.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A MODERATE LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED, WITH
ACTIVE CONDITIONS BETWEEN 07-17Z. THE FIELD IS EXPECTED TO BE
UNSETTLED TO ACTIVE. THERE IS A FAIR CHANCE FOR A FLARE INDUCED
MAGSTORM DURING THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 10-12 FEB

CLASS M 90/90/90

CLASS X 40/40/50

PROTON 40/50/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 FEB 160

PREDICTED 10-12 FEB 158/157/155

90-DAY MEAN 09 FEB 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 FEB 07

ESTIMATED AFR/AP 09 FEB 12/15

PREDICTED AFR/AP 10-12 FEB 09/13 - 10/14 - 15/20

SOLTERWARN

BT