

HFUS 3 BOU 190530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 050A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 19 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 8 HOURS. REGION 1009
(N27W63) IS VERY PRONE TO ACTIVITY ALTHOUGH NONE HAS OCCURRED YET.
THE REMAINDER OF THE DISK AND LIMB IS STABLE.

IB. SOLAR ACTIVITY WILL BE DROPPING OFF GRADUALLY. REGION 1009 IS
THE POTENTIALLY MOST ACTIVE REGION. ALTHOUGH REGION 1001 IS NOW
OFF THE DISK, IT IS STILL CAPABLE OF A PROTON EVENT.

II. GEOMAGNETIC ACTIVITY HAS BEEN QUIET THE PAST 8 HOURS WITH THE
EXCEPTION OF AN UNSETTLED TO ACTIVE PERIOD AT 19/0400Z.

III. EVENT PROBABILITIES 19 FEBRUARY - 21 FEBRUARY

CLASS M 50/50/40

CLASS X 20/10/05

PROTON 50/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 FEBRUARY 128

PREDICTED 19-21 FEBRUARY 128/129/130

90-DAY MEAN 18 FEBRUARY 114

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 FEBRUARY 06

ESTIMATED AFR/AP 18 FEBRUARY 08/09

PREDICTED AFR/AP 19-21 FEBRUARY 08/09 - 07/09 - 07/11

SOLTERWARN

BT

HFUS 3 BOU 191500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 050-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 19 FEB 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 17 HOURS.
ONLY TWO SMALL C-CLASS SUBFLARES HAVE BEEN REPORTED, BOTH FROM
REGION 1009 (N28W67). THE REMAINDER OF THE DISK HAS BEEN STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. SHOULD REGION
1001 WHICH IS NOW BEHIND THE LIMB, PRODUCE A MAJOR EVENT WITHIN THE
NEXT 2 DAYS THE EFFECTS COULD STILL BE FELT AT THE EARTH.

II. THE GEOMAGNETIC FIELD HAS BEEN ESSENTIALLY QUIET FOR THE PAST
17 HOURS. A BAY OBSERVED AT ABOUT 19/0400Z CAUSED A MID-LATITUDE
3-HOURLY K-VALUE OF 4 DURING THE NIGHT; OTHERWISE, THE FIELD HAS
BEEN QUIET. THE FIELD IS EXPECTED TO REMAIN QUIET TO MILDLY UNSETTLED.

III. EVENT PROBABILITIES 19 - 21 FEB 1978

CLASS M 50/50/40

CLASS X 20/10/05

PROTON 50/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 FEB 128

PREDICTED 19 - 21 FEB 128/129/130

90-DAY MEAN 18 FEB 114

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 FEB 06

ESTIMATED AFR/AP 18 FEB 08/09

PREDICTED AFR/AP 19 - 21 FEB 08/09 - 07/09 - 07/11

SOLTERWARN

BT

HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 050

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 19 FEB 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY THREE SMALL C-CLASS SUBFLARES HAVE BEEN REPORTED DURING THAT PERIOD, ALL FROM REGION 1009 (N29W71). SURGING HAS BEEN REPORTED AT (NE35) BUT OTHERWISE THE DISK AND LIMBS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGION 1001, NOW OUT OF SIGHT BEHIND THE WEST LIMB, STILL COULD PRODUCE A FLARE WITH GEOPHYSICAL CONSEQUENCES, BUT THAT POSSIBILITY IS NOW DIMINISHING.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET FOR THE LAST 24 HOURS, WITH THE EXCEPTION OF ONE BAY AT ABOUT 19/0400Z WHICH PRODUCED A K-VALUE OF 4. THE FIELD IS EXPECTED TO CONTINUE QUIET TO MILDLY UNSETTLED.

III. EVENT PROBABILITIES 20 - 22 FEB

CLASS M 50/40/30

CLASS X 10/05/02

PROTON 10/05/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 FEB 122

PREDICTED 20 - 22 FEB 122/122/124

90-DAY MEAN 19 FEB 114

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 FEB 08

ESTIMATED AFR/AP 19 FEB 09/10

PREDICTED AFR/AP 20 - 22 FEB 07/09 - 07/10 - 07/10

SOLTERWARN

BT