

HFUS 3 BOU 170600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 048-A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 17 FEB 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST EIGHT HOURS. REGION
1001 (N15W72) HAS PRODUCED TWO CLASS M-1 EVENTS. THE FIRST AT
17/0144 UT (MAX) WAS A IN OPTICAL FLARE WITH A 100 DEGREE SPA RE-
PORTED BY PALEHUA. THE SECOND OCCURRED AT 0315 UT AND WAS REPORTED
AS A 1B FLARE. ASSOCIATED WITH THE EVENT WAS A 1400 FU BURST AT
210 MHZ, AND 880 FU'S AT 415 MHZ. REGION 1009 HAS PRODUCED SOME SUB-
FLARES WITH ALL OTHER REGIONS REPORTED STABLE.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY DISTURBED. THE FIELD
IS EXPECTED TO BE GENERALLY UNSETTLED WITH SHORT DISTURBED PERIODS
DURING SUBSTORM ACTIVITY.

III. EVENT PROBABILITIES 17 - 19 FEB

CLASS M 90/90/50

CLASS X 30/30/30

PROTON 70/70/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 FEB 133

PREDICTED 17 - 19 FEB 130/125/121

90-DAY MEAN 16 FEB 113

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 FEB 32

ESTIMATED AFR/AP 16 FEB 08/11

PREDICTED AFR/AP 17 - 19 FEB 15/20 - 08/10 - 07/08

SOLTERWARN

BT

HFUS 3 BOU 171500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 048-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z (17 FEB 1978)

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST NINE HOURS. SEVERAL
SUBFLARES WERE REPORTED WITH MOST OF THE ACTIVITY COMING FROM REGION
1001 (N15W76). THE CULGOORA OBSERVATORY REPORTED THAT A STRONG GROUP
OF TYPE III BURSTS FOLLOWED BY A STRONG TYPE II BURST ACCOMPANIED
THE M1 X-RAY EVENT THAT MAXED AT 17/0315Z. REGIONS OTHER THAN
1001 HAVE BEEN GENERALLY STABLE WITH ONLY OCCASIONAL PLAGE FLUCT-
UATIONS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE
REMAINDER OF THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD WAS QUIET DURING THE PAST NINE HOURS.
QUIET TO SLIGHTLY UNSETTLED CONDITIONS SHOULD EXIST THROUGH 19 FEB.

III. EVENT PROBABILITIES 17 - 19 FEB

CLASS M 90/90/50

CLASSX 30/30/30

PROTON 70/70/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 FEB 133

PREDICTED 17 - 19 FEB 130/125/121

90-DAY MEAN 16 FEB 113

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 FEB 32

ESTIMATED AFR/AP 16 FEB 08/11

PREDICTED AFR/AP 17 - 19 FEB 08/13 - 08/10 - 07/08

SOLTERWARN

BT

HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 048

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 FEBRUARY 1978

IA. SOLAR ACTIVITY WAS MODERATE DURING THE PAST 24 HOURS WITH TWO M-1 X-RAY EVENTS COMING FROM REGION 1001 (N13W82). REGION 1001, STILL AN F-TYPE GROUP, CONTINUED ITS REGULAR PRODUCTION OF FLARES AND REMAINS A POTENT REGION AS IT BEGINS WEST LIMB TRANSIT. REGION 1009 (N24W48) HAS ENHANCED PLAGE AND A STRONG AFS. OCCASIONAL PLAGE FLUCTUATIONS WERE OBSERVED IN REGION 1007 (N32W22). OTHER REGIONS, INCLUDING NEW REGION 1010 (N17E08), HAVE BEEN STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE DURING THE NEXT 24 HOURS WITH A GOOD CHANCE FOR ENERGETIC ACTIVITY, PRIMARILY FROM REGION 1001.

II. THE GEOMAGNETIC FIELD WAS AT ACTIVE TO MINOR STORM LEVELS FROM 17/0000Z TO 17/0500Z AND QUIET TO UNSETTLED AT OTHER TIMES. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED THROUGH 20 FEB.

III. EVENT PROBABILITIES 18-20 FEB

CLASS M 80/50/50

CLASS X 30/20/20

PROTON 60/50/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 FEB 129

PREDICTED 18-20 FEB 126/126/127

90-DAY MEAN 17 FEB 114

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 FEB 07

ESTIMATED AFR/AP 17 FEB 06/12

PREDICTED AFR/AP 18-20 FEB 08/11 - 07/10 - 07/09

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