

HFUS 3 BOU 180530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 049A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 18 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1009 (N24W52) HAS
PRODUCED A NUMBER OF SUBFLARES THE PAST EIGHT HOURS. A CLASS
C-6 X-RAY EVENT WAS THE LARGEST AND WAS ACCOMPANIED BY MINOR
RADIO BURSTS. REGION 1001 (N16W86) HAS BEEN QUIET AS IT BEGINS
IT'S LIMB PASSAGE.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED
AND NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 18 FEBRUARY - 20 FEBRUARY

CLASS M 80/50/50

CLASS X 30/20/20

PROTON 60/50/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 FEBRUARY 129

PREDICTED 18-20 FEBRUARY 126/126/127

90-DAY MEAN 17 FEBRUARY 114

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 FEBRUARY 07

ESTIMATED AFR/AP 17 FEBRUARY 06/09

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

SOLTERWARN

BT

HFUS 3 BOU 181500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER- 049-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 18 FEB 1978

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST NINE HOURS. ONLY THE
TRAILER SPOT IS VISIBLE IN REGION 1001 (N12W90) AS IT CONTINUES ITS
WEST LIMB TRANSIT. THERE IS ALSO AN ASR ASSOCIATED WITH REGION 1001.
THERE IS NEW C-TYPE SPOT GROUP, REGION 1011, NEAR N21E76. OTHER
DISK REGIONS HAVE BEEN GENERALLY STABLE DURING THE PAST NINE HOURS.

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

II. THE GEOMAGNETIC FIELD WAS QUIET TO SLIGHTLY UNSETTLED DURING
THE PAST NINE HOURS AND SHOULD REMAIN SO THROUGH THE REST OF THE
ZULU DAY.

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 06/09

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

SOLTERWARN

BT

HFUS 1 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 049

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 18 FEB -1978

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS WITH ONLY SUB-
FLARES AND C-CLASS X-RAY ACTIVITY. RAMEY OBSERVATORY REPORTED A
SPRAY ON THE NW LIMB IN AREA WHERE REGION 1001 DEPARTED, AS WELL
AS ACTIVE SURGING. REGION 1009 (N28W58) PRODUCED SEVERAL SUBFLARES
AND CONTINUES TO DISPLAY OCCASIONAL POINT BRIGHTENINGS. THERE ARE
TWO NEW SPOTTED REGIONS ON THE DISK AT S26W40 (REGION 1012) AND
S26E57 (REGION 1013).

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE DURING THE NEXT 24
HOURS. REGION 1001 REMAINS A THREAT FOR A PROTON EVENT. CONTINUED
DEVELOPMENT IS EXPECTED IN REGION 1009.

II. THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE PAST
24 HOURS. SIMILAR CONDITIONS ARE EXPECTED THROUGH 21 FEB.

III. EVENT PROBABILITIES 19 - 21 FEB

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