

HFUS 3 BOU 240500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 055A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 24 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THIS ZULU DAY. AN EXTREMELY RAPID
PROMINENCE DISRUPTION PRODUCED A SHORT-LIVE EJECTA NEAR SE22. A C-8
X-RAY EVENT (0047Z MAX) ACCCOMPANIED THIS PHENOMENA. AT THIS TIME
IT IS DIFFICULT TO DETERMINE IF THIS EVENT WAS ASSOCIATED WITH REGION
1019 (S25E83) OR POSSIBLY WITH A REGION YET OVER THE LIMB. A SB/C4
FLARE OCCURRED IN REGION 1011 (N22E03) AT 0241Z. SLOW GROWTH IS
OCCURRING IN THIS REGION.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE NEXT 18 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO UNSETTLED
CONDITIONS ARE EXPECTED FOR THE BALANCE OF THIS ZULU DAY.

III. EVENT PROBABILITIES 24 - 26 FEB

CLASS M 20/20/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 FEB 135

PREDICTED 24 - 26 FEB 142/144/146

90-DAY MEAN 23 FEB 116

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 FEB 14

ESTIMATED AFR/AP 23 FEB 04/04

PREDICTED AFR/AP 24 - 26 FEB 11/12 - 15/16 - 20/25

SOLIERWARN

HFUS 3 BOU 241615

CORRECTION

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 055-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 24 FEB 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1011 (N21W04) CONTINUES TO
BE ACTIVE WITH OCCASIONAL SUB-FLARES. NEW REGION 1020 (N20E77)
HAS ROTATED ONTO THE DISK. IT IS AN H-TYPE. THE REMAINDER OF THE REGIONS
HAVE BEEN RELATIVELY QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO UNSETLED
CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 24 - 26 FEB

CLASS M 20/20/30

CLASS X 01/01/01

ROTTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 FEB 135

PREDICTED 24 - 26 FEB 142/144/146

90-DAY MEAN 23 FEB 116

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 FEB 14

ESTIMATED AFR/AP 23 FEB 04/04

PREDICTED AFR/AP 24 - 26 FEB 11/12 - 20/25 - 30/40

SOLTERWARN

BT

HFUS 1 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 055

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 24 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. THE ONLY ACTIVITY NOTED HAS BEEN FROM REGION 1011 (N22W08). AN IMPORTANCE 2 DSF WAS REPORTED IN THE NORTHERN PART OF THIS REGION BY CULGOORA ALONG WITH A C-8 EVENT. NO FURTHER EFFECTS HAVE BEEN NOTED. THE REMAINDER OF THE ACTIVE REGIONS HAVE BEEN RELATIVELY QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. THE ONLY REGION THAT APPEARS CAPABLE OF ENERGETIC ACTIVITY IS 1011. C-CLASS ACTIVITY MAY OCCUR IN REGIONS 1008 (N21W41) AND 1014 (S20E29).

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED TO BECOME UNSETLED TO ACTIVE IN THE NEXT 24 HOURS DUE TO RECURRENT CONDITIONS.

III. EVENT PROBABILITIES 25-27 FEB

CLASS M 30/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 FEB 139

PREDICTED 25-27 FEB 142/145/148

90-DAY MEAN 24 FEB 117

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 FEB 04

ESTIMATED AFR/AP 24 FEB 04/04

PREDICTED AFR/AP 25-27 FEB 15/20 - 20/25 - 15/20

SOLTERWARN

BT