

HFUS 3 BOU 230530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 327A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 23 NOVEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 8 HOURS. THERE
ARE TWO NEW REGIONS - REGION 944 (N25W15) IS A B-TYPE GROUP WITH
2 SPOTS; AND REGION 945 (N21E47) IS AN A-TYPE SPOT.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO UNSETTLED
CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 23 NOVEMBER - 25 NOVEMBER

CLASS M 50/25/25

CLASS X 25/10/10

PROTON 30/20/10

PCAF RED

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 NOVEMBER 92

PREDICTED 23-25 NOVEMBER 91/90/89

90-DAY MEAN 22 NOVEMBER 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 NOVEMBER 03

ESTIMATED AFR/AP 22 NOVEMBER 04/04

PREDICTED AFR/AP 23-25 NOVEMBER 10/10 - 12/15 - 22/25

SOLTERWARN

BT

HEUS 3 BOU 231500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 327-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 23 NOVEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. AN AFS REPORTED IN 944
(N25W19) HAS ENDED. 939 (N24W55) CONTAINS AN ACTIVE N LINE BUT
IS OTHERWISE STABLE. THE GREATER THAN 10 MEV PROTON EVENT REMAINS
IN PROGRESS.

IB. SOLAR ACTIVITY SHOULD BE LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO UNSETTLED
CONDITIONS ARE EXPECTED FOR THE NEXT 36 HOURS WHEN A FLARE
INDUCED DISTURBANCE IS FORECAST. POLAR CAP ABSORPTION WAS
PRESENT THRU THE NIGHT WITH .3 DB OBSERVED. THE PCA SHOULD END
DURING THIS ZULU DAY.

III. EVENT PROBABILITIES 23 - 25 NOV

CLASS M 25/10/05

CLASS X 10/05/05

PROTON 20/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 NOV 92

PREDICTED 23 - 25 NOV 91/90/89

90-DAY MEAN 22 NOV 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 NOV 03

ESTIMATED AFR/AP 22 NOV 04/03

PREDICTED AFR/AP 23 - 25 NOV 05/05 - 12/15 - 22/25

SOLTERWARN

BT

HFUS 1 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 327

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 NOV 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS. REGION
939 (N24W58) REMAINS A D-TYPE GROUP BUT HAS BROKEN UP AND EXCEPT
FOR A SLIGHTLY ACTIVE N-LINE HAS BEEN QUIET. REGION 944 (N25W25)
IS UNIMPRESSIVE. THE GREATER THAN 10 MEV PROTON EVENT HAS ENDED.

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW TO LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD SHOULD RE-
MAIN QUIET TO UNSETTLED UNTIL MIDDAY ON THE 25TH WHEN THE SOLAR
FLARE INDUCED DISTURBANCE IS EXPECTED. THE PCA HAS ENDED.

III. EVENT PROBABILITIES 24 - 26 NOV

CLASS M 20/10/05

CLASS X 05/01/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 NOV 90

PREDICTED 24 - 26 NOV 89/87/88

90-DAY MEAN 23 NOV 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 NOV 04

ESTIMATED AFR/AP 23 NOV 04/04

PREDICTED AFR/AP 24 - 26 NOV 10/12 - 22/25 - 22/27

SOLTERWARN

BT