

HFUS 3 BOU 200430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 293A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 20 OCTOBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW SINCE OUR 19/2200Z REPORT.

A SUB NORMAL, CLASS C-3 X-RAY FLARE WAS OBSERVED AT 19/2240Z
FROM REGION 918 (S24E15). REGION 917 (N23W48) PRODUCED A SUB-FAINT
FLARE AT 20/0035Z. BOTH 917 AND 918 CONTINUE TO GROW AND DISPLAY
AN ACTIVE N-LINE.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE. REGION 918 SHOULD BE
WATCHED FOR CONTINUED GROWTH AND ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST EIGHT HOURS.
UNSETTLED TO ACTIVE CONDITIONS ARE FORECAST FOR THE NEXT 12 HOURS
THEN GENERALLY UNSETTLED CONDITIONS ARE EXPECTED TO PREVAIL.

III. EVENT PROBABILITIES 20 OCTOBER - 22 OCTOBER

CLASS M 40/60/70

CLASS X 05/07/10

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 OCTOBER 106

PREDICTED 20-22 OCTOBER 110/106/106

90-DAY MEAN 19 OCTOBER 93

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 OCTOBER 22

ESTIMATED AFR/AP 19 OCTOBER 24/32

PREDICTED AFR/AP 20-22 OCTOBER 15/20 - 10/12 - 10/12

SOLTERWARN

BT

HFUS 3 BOU 201500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 293-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 20 OCT 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. A SN/C3 FLARE AT 19/2227Z
IN REGION 918 (S25E10) HAS BEEN THE LARGEST EVENT. BOTH REGIONS
918 AND 917 (N23W54) EXHIBIT ENHANCEMENT FLUCTUATIONS, BUT THE FRE-
QUENCY AND INTENSITY OF THESE FLUCTUATIONS IS DEMINISHING.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE THIS ZULU
DAY. THESE CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT
24 HOURS.

III. EVENT PROBABILITIES 20 - 22 OCT

CLASS M 25/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 OCTOBER 106

PREDICTED 20-22 OCTOBER 110/106/106

90-DAY MEAN 19 OCTOBER 93

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 OCTOBER 22

ESTIMATED AFR/AP 19 OCTOBER 24/35

PREDICTED AFR/AP 20-22 OCTOBER 15/20 - 10/12 - 10/12

SOLTERWARN

BT

HFUS 1 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 293

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 OCT 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. THE LARGEST EVENT WAS A
B/C3 AT 19/1542Z IN REGION 918 (S25E06). THE FLARE WAS RIBBON FORM
WEST OF THE LEADER. BOTH REGIONS 918 AND 917 (N22W59) EXHIBIT IN-
TENSITY FLUCTUATIONS AND RETAIN SOME DEGREE OF NEUTRAL LINE
COMPLEXITY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW TO LOW WITH
OCCASIONAL CLASS C EVENTS FROM REGIONS 917 AND 918.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. GENERALLY UNSETTLED
CONDITIONS ARE EXPECTED FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 21 - 23 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 OCT 100

PREDICTED 21 - 23 OCT 99/98/96

90-DAY MEAN 20 OCT 93

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 OCT 19

ESTIMATED AFR/AP 20 OCT 07/07

PREDICTED AFR/AP 21 - 23 OCT 10/12 - 08/12 - 10/15

SOLTERWARN

BT