

HFUS 3 BOU 270500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 270A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 27 SEPTEMBER 1977

IA. DURING THE PAST EIGHT HOURS SOLAR ACTIVITY HAS BEEN VERY LOW.
THE SMALL PROTON EVENT OBSERVED BY SATELLITE THAT BEGAN AT 26/0920Z
HAS ENDED. GOOSE BAY REPORTED RELATIVISTIC ELECTRON PRECIPITATION
WITH 33 DB ABSORPTION ON THEIR RIOMETER AT ABOUT 27/0130Z. THE
DISK REGIONS APPEAR STABLE.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE WITH CLASS C FLARES
EXPECTED AND CLASS M ACTIVITY PROBABLE.

II. THE GEOMAGNETIC FIELD BECAME DISTURBED TO MAJOR STORM CONDITIONS
AT ABOUT 26/2230Z. AT 27/0000Z THE K VALUE WAS 5 AND AT 27/0300Z
THE K WAS 6. THE FIELD WILL REMAIN DISTURBED DURING THE NEXT 24
HOURS.

III. EVENT PROBABILITIES 27 SEPTEMBER - 29 SEPTEMBER

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 SEPTEMBER 99

PREDICTED 27-29 SEPTEMBER 101/102/103

90-DAY MEAN 26 SEPTEMBER 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 SEPTEMBER 12

ESTIMATED AFR/AP 26 SEPTEMBER 16/18

PREDICTED AFR/AP 27-29 SEPTEMBER 22/25 - 08/10 - 08/10

SOLTERWARN

BT

HFUS 3 BOU 271500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 270-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 27 SEP 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST NINE HOURS. REGION
900 (S30E31) HAS NO SPOTS. A NEW PLAGE REGION HAS EMERGED NEAR S22
W79. REGIONS 896 (N28W24) AND 898 (N13E54) HAVE ACTIVE NEUTRAL LINES.
THE REST OF THE DISK/LIMB HAS BEEN QUIET.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE WITH CLASS C FLARES
EXPECTED AND POSSIBLE CLASS M FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. GENERALLY
UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 27 - 29 SEP

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 SEP 99

PREDICTED 27 - 29 SEP 101/102/103

90-DAY MEAN 26 SEP 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 SEP 12

ESTIMATED AFR/AP 26 SEP 16/18

PREDICTED AFR/AP 27 - 29 SEP 26/25 - 08/10 - 08/10

SOLTERWARN

BT

HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 270

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 SEPTEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN LOW TODAY. REGION 892 (S27W62) IS A C-TYPE SPOT GROUP. REGIONS 896 (N27W30) AND 898 (N14E47) HAVE HAD ACTIVE NEUTRAL LINES. REGION 898 PRODUCED A SUBFAINT FLARE AT 1822Z, AND THE REGION APPEARS TO BE GROWING. REGION 902 (N17W11) IS NEW AND HAS 2 SUNSPOTS AND IS A B-TYPE GROUP. THE REST OF THE DISK/LIMB HAS BEEN QUIET.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE TODAY. GENERALLY QUIET TO UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 28 SEPTEMBER - 30 SEPTEMBER

CLASS M 40/40/40

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 SEPTEMBER 100

PREDICTED 28-30 SEPTEMBER 99/99/100

90-DAY MEAN 27 SEPTEMBER 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 SEPTEMBER 14

ESTIMATED AFR/AP 27 SEPTEMBER 27/31

PREDICTED AFR/AP 28-30 SEPTEMBER 08/08 - 08/10 - 12/14

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