

HFUS 3 BOU 190600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 109A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 19 APRIL 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
THE REGIONS APPEAR TO BE STABLE AND THE LIMBS ARE STABLE.

IB. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL. CLASS C ACTIVITY
IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED UNTIL ABOUT 0308Z WHEN
IT BECAME ACTIVE. A K-6 WAS OBSERVED AT BOULDER AT 0430Z. THE FIELD
IS EXPECTED TO BE UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 19 APRIL - 21 APRIL

CLASS M 40/30/25

CLASS X 15/10/05

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 APRIL 80

PREDICTED 19-21 APRIL 80/80/79

90-DAY MEAN 18 APRIL 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 APRIL 10

ESTIMATED AFR/AP 18 APRIL 09/06

PREDICTED AFR/AP 19-21 APRIL 25/20 - 12/15 - 10/12

SOLTERWARN

BT

HFUS 3 BOU 191500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 109-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 19 APRIL 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. NO OPTICAL REPORT HAS BEEN
RECEIVED FOR A C4 X-RAY EVENT AT 19/0741Z (MAX). WEATHER HAS
HAMPERED VISUAL OBSERVATIONS. BOTH REGIONS 807 (S20W17) AND 808
(S26W55) ARE CURRENTLY DECLINING SLOWLY. A NEW REGION HAS EMERGED
NEAR S28W64.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW TO LOW.

II. A GEOMAGNETIC STORM WHICH BEGAN NEAR 19/0320Z IS EXPECTED
TO DIMINISH TODAY.

III. EVENT PROBABILITIES 19-21 APRIL

CLASS M 40/30/25

CLASS X 15/10/05

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 APRIL 80

PREDICTED 19-21 APRIL 80/80/79

90-DAY MEAN 18 APRIL 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 APRIL 10

ESTIMATED AFR/AP 18 APRIL 09/06

PREDICTED AFR/AP 19-21 APRIL 35/40 - 12/15 - 10/12

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HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 109

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 APRIL 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 807 (S20W19) PRODUCED A C4 X-RAY EVENT 19/0741Z (MAX) WITH AN OPTICAL SUBFLARE. A C2 X-RAY EVENT 19/1513Z (MAX) IS PRESUMED TO HAVE COME FROM ACTIVITY IN REGION 807. THE NEUTRAL LINE STRUCTURE OF REGION 807 HAS BEEN ACTIVE ALL DAY. REGION 811 (S25W70) EMERGED ABOUT 24 HOURS AGO BUT HAS SHOWN NO GROWTH TENDENCY THE LAST 12 HOURS. REGION 808 (S25W57) IS NOW SPOTLESS.

IB. REGION 807 IS EXPECTED TO PRODUCE SEVERAL CLASS C EVENTS AND POSSIBLY 1-2 M EVENTS DURING THE NEXT 3 DAYS.

II. THE GEOMAGNETIC FIELD WAS IN STORM CONFIGURATION AT BOULDER FROM NEAR 03Z TO 12Z AND HAS BEEN ACTIVE SINCE 12Z. THE FIELD IS EXPECTED TO BE MODERATELY UNSETTLED FOR THE NEXT 3 DAYS WITH SHORT PERIODS OF ACTIVE TO STORM CONDITIONS DURING THE NEXT 2 DAYS.

III. EVENT PROBABILITIES 20-22 APRIL

CLASS M 30/25/25

CLASS X 10/05/05

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 APRIL 82

PREDICTED 20-22 APRIL 79/78/76

90-DAY MEAN 19 APRIL 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 APRIL 09

ESTIMATED AFR/AP 19 APRIL 32/43

PREDICTED AFR/AP 20-22 APRIL 15/28 - 12/20 - 12/10

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