

HFUS 3 BOU 170530
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 107A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 17 APRIL 1977

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE FOR THE PAST 8 HOURS.
REGION 807 (S19E10) HAS PRODUCED TWO FLARES - A 2B FLARE AT 2307Z
(M-2 X-RAY EVENT) AND A SF AT 0255Z (C-4 X-RAY EVENT). REGION 808
(S24W24) APPEARS STABLE.

IB. REGION 807 IS EXPECTED TO CONTINUE PRODUCING FLARES OF M-CLASS
LEVELS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE AND IS EX-
PECTED TO REMAIN SO.

III. EVENT PROBABILITIES, 17 APRIL - 19 APRIL

CLASS M	75/75/.75
CLASS X	25/25/25
PROTON	10/15/20
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	16 APRIL 83
PREDICTED	17-19 APRIL 83/82/82
90-DAY MEAN	16 APRIL 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	15 APRIL 11
ESTIMATED AFR/AP	16 APRIL 10/13
PREDICTED AFR/AP	17-19 APRIL 12/15 - 12/15 - 15/20
SOLTERWARN	

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HFUS 3 BOU 171500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 107B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 17 APR 1977

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 8 HOURS.
REGION 807 (S19 E05) CONTINUES TO PRODUCE OCCASIONAL M CLASS
X-RAY EVENTS ASSOCIATED WITH OPTICAL FLARES, WITH TYPE II
RADIO NOISE, AND SHORT WAVE FADE. THIS REGION REMAINS ERUPTIVE
THOUGH GROWTH HAS APPARENTLY CEASED.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT MODERATE LEVELS WITH OCCASIONAL
HIGH C-CLASS OR M-CLASS X-RAY ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE PAST 8
HOURS. UNSETLED TO ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES 17 APR-19 APR

CLASS M	75/75/75
CLASS X	25/25/25
PROTON	10/15/20
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	16 APR 83
PREDICTED	17-19 APR 83/82/82
90-DAY MEAN	16 APR 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	15 APR 11
ESTIMATED AFR/AP	16 APR 10/13
PREDICTED AFR/AP	17-19 APR 12/15 - 12/15 - 15/20

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HFUS 1 BOU 172200
FROM SPACE ENVIRONMNT SERVICES CENTER BOULDER, CO.
SDF NUMBER 107
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 17 APRIL 1977

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 807 (S19E80) APPEARS TO BE BEGINNING ITS DECLINE. THERE HAVE BEEN TWO FLARES DURING THE PAST 24 HOURS. THE LARGEST WAS A 2B OPTICAL AND M1 X-RAY FLARE AT 2317Z. THERE HAS BEEN NO SIGNIFICANT ACTIVITY SINCE 1100Z. OTHER REGIONS ARE STABLE AND QUIET.

IB. ALTHOUGH IN ITS DECLINING PHASE REGION 807 IS STILL CAPABLE OF SIGNIFICANT ACTIVITY. C-CLASS X-RAY EVENTS ARE EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS EXPECTED TO REMAIN UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 18-20 APRIL

CLASS M	60/60/60
CLASS X	25/25/25
PROTON	15/20/20
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	17 APRIL 83
PREDICTED	18-20 APRIL 82/82/81
90-DAY MEAN	17 APRIL 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	16 APRIL 14
ESTIMATED AFR/AP	17 APRIL 8/10
PREDICTED AFR/AP	18-20 APRIL 12/15 - 15/20 - 15/20

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