

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 UNSETTLED 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

BT

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 UNSETTLED DURING THE PAST 8  
HOURS. UNSETTLED 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

SOLTERWARN

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