

HFUS 3 BOU 160600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 106A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 16 APRIL 1977

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 8 HOURS. REGION 807 (S20E23) PRODUCED A C-0 FLARE AT 0218Z. SMALL POINT BRIGHTENINGS CONTINUE TO OCCUR. AN AFS AHEAD OF THE LEADING SPOT MAY INDICATE NEW SPOTS EMERGING THERE. METRE WAVE TYPE III BURSTS OF MODERATE INTENSITY HAVE BEEN OBSERVED FROM THE SE QUADRANT. REGION 808 (S25W10) HAS BEEN DEVELOPING RAPIDLY. IT NOW HAS 6 SPOTS AND IS A BETA GROUP. TRAILER SPOT SHOWS GOOD PENUMBRA. REGION 809 (N20W72) HAS DECAYED. IT NOW HAS NO SPOTS AND LITTLE PLAGE.

IB. THE GREATEST ACTIVITY IS STILL EXPECTED FROM REGION 807, WITH DAILY M CLASS EVENTS EXPECTED. REGION 808 ALSO SHOWS SIGNS OF POSSIBLE ACTIVITY, BUT OF A LESSER DEGREE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED. GENERALLY QUIET CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 16-18 APRIL

CLASS M	80/80/80
CLASS X	25/25/30
PROTON	10/15/20
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	15 APRIL 86
PREDICTED	16-18 APRIL 90/92/94
90-DAY MEAN	15 APRIL 79

V. GEOMAGNETIC A INDICES

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

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HFUS 3 BOU 161500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 106-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 16 APRIL 1977

IA. SOLAR ACTIVITY REMAINS LOW. REGION 807 (S20E18) PRODUCED TWO C CLASS X-RAY EVENTS SINCE 0000Z. THE NEUTRAL LINE FILAMENT IN THIS REGION REMAINS ACTIVE AND ENHANCED. PLAGE IS OBSERVED ON BOTH SIDES OF THE N-LINE. REGION 808 (S25W15) HAS SLOWED ITS GROWTH AND IS CURRENTLY A STABLE AND QUIET C-TYPE GROUP.

IB. SIGNIFICANT ACTIVITY MAY STILL COME FROM REGION 807. ACTIVITY FROM REGION 808 IS ALSO POSSIBLE, BUT TO A LESSER DEGREE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED. GENERALLY QUIET CONDITIONS ARE EXPECTED. - GOPS, goofed

III. EVENT PROBABILITIES 16 - 18 APRIL

CLASS M 80/80/80

CLASS X 25/25/30

PROTON 10/15/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 APRIL 86

PREDICTED 16 - 18 APRIL 90/92/94

90-DAY MEAN 15 APRIL 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 APRIL 10

ESTIMATED AFR/AP 15 APRIL 10/12

PREDICTED AFR/AP 16 - 18 APRIL 12/15 - 12/15 - 12/15

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HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 106

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 APRIL 1977

IA. SOLAR ACTIVITY IS AT A LOW LEVEL. REGION 807 (S20E15)
HAS PRODUCED THREE C-CLASS X-RAY EVENTS DURING THE PAST 24 HOURS
AND IS STILL ERUPTIVE, WITH BRIGHT POINTS AND AN ACTIVE N-LINE.
OTHER REGIONS SEEM STABLE AND QUIET.

IB. SIGNIFICANT ACTIVITY CAN BE EXPECTED FROM REGION 807,
THOUGH PROBABLY NOT EXCEEDING M-CLASS LEVELS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE SINCE 1400Z. GENERALLY
UNSETLED TO ACTIVE CONDITIONS ARE EXPECTED DURING THIS FORECAST
PERIOD.

III. EVENT PROBABILITIES 17 - 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 FREDICKSBURG 15 APRIL 11

ESTIMATED AFR/AP 16 APRIL 10/09

PREDICTED AFR/AP 17- 19 APRIL 12/15 - 12/15 - 15/20

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