

HFUS 1 BOU 270600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 087A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600A 27 MARCH 1976

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS.
REGION 690 (S07E49) HAS UNDERGONE SOME CHANGES IN ITS CENTRAL
PORTION AND NEUTRAL LINE NOW HAS TWO SHARP KINKS. THE REGION HAS
POTENTIAL FOR PRODUCING LARGER FLARES. ONLY CLASS C ACTIVITY
HAS BEEN OBSERVED DURING PAST EIGHT HOURS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE WITH CLASS M FLARES
FROM REGION 690. THE PROBABILITY OF A CLASS X FLARE ALSO EXISTS.
CLASS C ACTIVITY WILL CONTINUE.

II. THE GEOMAGNETIC STORM CONTINUES. THE STORM REACHED MAJOR
PROPORTIONS EARLY IN THE PERIOD BUT HAS DECLINED SOME SINCE THEN.
THE STORM IS EXPECTED TO CONTINUE DURING THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 27 MARCH-29 MARCH

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 MARCH 87

PREDICTED 27-29 MARCH 95/93/91

90-DAY MEAN 26 MARCH 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 MARCH 05

ESTIMATED AFR/AP 26 MARCH 88/105

PREDICTED AFR/AP 27-29 MARCH 45/55 - 27/30 - 22/25

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HFUS 1 BOU 271500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 087-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 27 MAR 1976

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 8 HOURS. AN
M1 X-RAY EVENT OCCURRED AT 1209 U.T. REGION 690 (S07E43) CONTINUES
TO CHANGE IN THE CENTRAL PORTION. A SMALL SECTION OF THE PEN-
UMBRA ENCLOSING THE LEADER SPOT APPEARS TO BE BREAKING AWAY.
SUBNORMAL AND SUBBRIGHT FLARES HAVE OCCURRED. LITTLE ACTIVITY HAS
OCCURRED IN REGIONS 691 (N05W36) AND 692 (S08W37).

IB. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVELS. CLASS C
X-RAY EVENTS WILL CONTINUE TO OCCUR WITH AN OCCASSIONAL M CLASS
X-RAY EVENT. THERE STILL IS A CHANCE FOR CLASS X X-RAY EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 8 HOURS.
THE FIELD IS EXPECTED TO REMAIN AT OR NEAR STORM LEVELS DURING THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 27 - 29 MAR

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 MAR 87

PREDICTED 27 - 29 MAR 95/93/91

90-DAY MEAN 26 MAR 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 MAR 05

ESTIMATED AFR/AP 26 MAR 88/105

PREDICTED AFR/AP 27 - 29 MAR 45/55 - 27/30 - 22/25

SOLTERWARN

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HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 087

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 MAR 1976

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 16 HOURS. ONE
M AND SEVERAL C CLASS X-RAY EVENTS OCCURRED DURING THIS TIME.
REGION 690 (S08E39) APPEARS TO CONTAIN A ISOLATED POLE EAST OF
THE LARGEST UMBRA. ENHANCEMENT ALONG THE NEUTRAL LINE STRUCTURE
NEAR FLARE INTENSITY OCCURRED AT 1500 U.T.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN ABOUT THE SAME. CLASS
C EVENT S AND AN OCCASSIONAL M EVENT WILL CONTINUE. X-EVENT
PROBABILIITY IS SMALL. REGION 690 WILL CONTINUE TO BE A COMPLEX
GROUP WITH AN OCCASSIONAL SUBNORMAL FLARE.

II. THE GEOMAGNETIC FIELD HAS REMAINED NEAR ACTIVE LEVELS AND IS
EXPECTED TO CONTINUE AT UNSETTLED TO ACTIE CONDITIONS DURING THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 28 - 30 MARCH

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 MARCH 86

PREDICTED 28 - 30 MAR 85/85/84

90-DAY MEAN 27 MAR 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 MAR 90

ESTIMATED AFR/AP 27 MAR 30/35

PREDICTED AFR/AP 28 - 30 MAR 27/25 - 22/25 - 30/35

SOLTERWARN

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