

HFUS 1 BOU 290550

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 089A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 29 MARCH 1976

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS. REGION
690 (S08E24) HAS BEEN RATHER STABLE SINCE THE X-1 FLARE AT 28/1905Z.
CULGOORA REPORTED A BRILLIANT LIGHT BRIDGE RUNNING E-W ACROSS THE
MAIN SPOT. NO NEW GROWTH DEVELOPMENT HAS BEEN REPORTED IN REGION
690 OR REGION 691 (N06W56).

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE WITH CLASS C FLARES
AND AN OCCASIONAL CLASS M FLARE FROM REGION 690.

II. THE MINOR GEOMAGNETIC DISTURBANCE CONTINUES AND IS EXPECTED TO
CONTINUE DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 29 MARCH - 31 MARCH

CLASS M 75/75/75

CLASS X 10/15/25

PROTON 10/15/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MARCH 89

PREDICTED 29-31 MARCH 89/89/88

90-DAY MEAN 28 MARCH 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 MARCH 30

ESTIMATED AFR/AP 28 MARCH 16/22

PREDICTED AFR/AP 29-31 MARCH 25/25 - 10/15 - 35/45

SOLTERWARN

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HFUS 1 BOU 291500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 089B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z MAR 29 1976

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 17 HOURS. ONE
SUBNORMAL FLARE (C3 IN X-RAYS) WAS REPORTED FROM REGION 690 (S08E18)
AT 29/0524Z. OTHERWISE, THIS REGION HAS BEEN RATHER STABLE SINCE
IT PRODUCED AN X1 X-RAY BURST AT 28/1939Z. REGION 691 (N06W62)
APPEARS TO BE DECLINING NOW.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE WITH FREQUENT C-CLASS
FLARES AND AN OCCASIONAL M-CLASS BURST FROM REGION 690.

II. THE GEOMAGNETIC FIELD BECAME DISTURBED DURING THE PAST 17 HOURS
WITH ACTIVITY LEVELS REACHING MAJOR MAGNETIC STORM LEVELS FOR A
FEW HOURS. THE FIELD IS CURRENTLY ACTIVE BUT EXHIBITING A QUIETING
TREND. THE FIELD IS EXPECTED TO BE GENERALLY ACTIVE THROUGH THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 29 MARCH-31 MARCH 1976

CLASS M 75/75/75

CLASS X 10/15/25

PROTON 10/15/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MARCH 89

PREDICTED 29-31 MARCH 89/89/88

90-DAY MEAN 28 MARCH 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 MARCH 30

ESTIMATED AFR/AP 28 MARCH 14/17

PREDICTED AFR/AP 29-31 MARCH 25/25 - 10/15 - 35/45

SOLTERWARN

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HFUS 1 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 089

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z MAR 29 76

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. EXCEPT FOR A SUB-NORMAL FLARE AT 0524Z IN REGION 690(S08E14) ACTIVITY HAS BEEN LIMITED TO POINT BRIGHTENINGS AND NEAR FLARE PLAGE ENHANCEMENTS. THE REGION IS LITTLE CHANGED ALTHOUGH THERE HAS BEEN A SLIGHT RELAXATION OF THE NEUTRAL LINE JUST WEST OF THE REGION. DIMINISHING RADIO FLUX AND X-RAY BACKGROUND LEVELS INDICATE THE ENERGETIC POTENTIAL OF REGION 690 MAY BE DECLINING. REGION 691 (N06W64) IS NOW DECLINING.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO LOW THROUGH THE FORECAST PERIOD. A MAJOR ENERGETIC FLARE IS STILL POSSIBLE WHEN A COMPLEX ACTIVE REGION (SUCH AS REGION 690) DISINTEGRATES.

II. THE GEOMAGNETIC FIELD BECAME DISTURBED DURING THE PAST 24 HOURS WITH ACTIVITY REACHING MINOR MAGNETIC STORM LEVELS. THE FIELD HAS BECOME QUIET DURING THE PAST 12 HOURS BUT IS EXPECTED TO BE GENERALLY ACTIVE UNTIL 31 MARCH WHEN A BRIEF MAJOR MAGNETIC STORM IS EXPECTED AS A RESULT OF THE 28/1939Z X1 FLARE.

III. EVENT PROBABILITIES 30 MARCH - 01 APRIL 1976

CLASS M 75/75/75

CLASS X 15/25/25

PROTON 15/25/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 MARCH 84

PREDICTED 30 MARCH 01 APRIL 84/83/82

90-DAY MEAN 29 MARCH 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 MARCH 13

ESTIMATED AFR/AP 29 MARCH 21/21

PREDICTED AFR/AP 30 MARCH - 01 APRIL 16/20 - 35/45 - 35/45

SOLTERWARN