

HFUS 3 BOU 080530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 067A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 08 MARCH 1978

IA. SOLAR ACTIVITY IS AT A LOW LEVEL. THE MOST SIGNIFICANT EVENT
THE PAST 8 HOURS WAS A C-3 (IF BY MANILA) IN REGION 1025 (N14W12).
MINOR CHANGES HAVE BEEN REPORTED IN OTHER REGIONS. REGION 1029
(N15E70) IS BEING CALLED IMPRESSIVE, BUT REPORTS ARE LIMITED. A
NEW REGION IS EMERGING NEAR S20W50.

IB. THE LOW LEVEL OF SOLAR ACTIVITY SHOULD CONTINUE THRU THE
FORECAST PERIOD. THE AREA NEAR REGIONS 1024 (N21W07)/1025 (N14W12)
IS CAPABLE OF ENERGETIC ACTIVITY AND SHOULD BE MONITORED FOR NEW
DEVELOPMENTS.

II. THE GEOMAGNETIC FIELD REMAINS GENERALLY QUIET. QUIET TO SLIGHTLY
UNSETTLED CONDITIONS ARE EXPECTED TO BE PRESENT EARLY IN THE FORE-
CAST PERIOD. FROM ANALYSIS OF IPS DATA, A DISTURBANCE IS EXPECTED
TO BEGIN SOMETIME ON 09-10 MARCH. THIS ACTIVITY IS PROBABLY THE
RESULT OF EVENTS IN REGIONS 1024/1025.

III. EVENT PROBABILITIES 08 MARCH - 10 MARCH

CLASS M 35/40/40

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MARCH 168

PREDICTED 08-10 MARCH 168/167/165

90-DAY MEAN 07 MARCH 123

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 MARCH 03

ESTIMATED AFR/AP 07 MARCH 07/09

PREDICTED AFR/AP 08-10 MARCH 07/09 - 10/12 - 13/15

SOLTERWARN

BT

HFUS 3 BOU 081500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 067B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 08 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGIONS 1024 (N24W13) AND 1027
(N25W08) MAY APPEAR AS ONE GROUP DUE TO GROWTH IN THE TRAILER OF
1024 TOWARD 1027. AT 08/1351Z THE 1-8A X-RAY TRACE BEGAN A SLOW
RISE TO IT'S PRESENT (1430Z) C-4 LEVEL. THE BOULDER OBSERVATORY
REPORTS A BSL AT SW23 WHICH MAY BE THE SOURCE OF THE ENHANCEMENT.

IB. SOLAR ACTIVITY SHOULD REMAIN AT A LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD SHOULD
REMAIN GENERALLY QUIET FOR THE NEXT 24 HOURS THEN INCREASE TO
UNSETTLED OR ACTIVE LEVELS.

III. EVENT PROBABILITIES 08 MARCH - 10 MARCH

CLASS M 35/40/40

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MARCH 168

PREDICTED 08-10 MARCH 168/167/165

90-DAY MEAN 07 MARCH 123

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 MARCH 03

ESTIMATED AFR/AP 07 MARCH 07/09

PREDICTED AFR/AP 08-10 MARCH 07/09 - 10/12 - 13/15

SOLTERWARN

BT

HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 067

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1029 (N16E63) MAY CONTAIN
A DELTA MAGNETIC CONFIGURATION ALTHOUGH THE GRADIENTS SEEM WEAK.
NEW REGION 1030 (S04E64) CONTAINS THREE SPOTS WITH A N-S ALINEMENT
WITH NEGATIVE POLARITY LEADERS. OTHER REGIONS SEEM STABLE AND
LITTLE CHANGED FROM YESTERDAY.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW. DYNAMIC CHANGE WITHIN REGION
1029 COULD SUBSTANTIALLY INCREASE THE PROBABILITY OF ENERGETIC
EVENTS.

II. THE GEOMAGNETIC FIELD WAS QUIET UNTIL 08/1450 U.T. WHEN A SUDDEN
STORM COMMENCEMENT WAS OBSERVED. SINCE THE SSC THE FIELD HAS BEEN
UNSETTLED TO ACTIVE. THIS DISTURBANCE, WHICH IS THE RESULT OF A
FLARE ON 06 MARCH, SHOULD LAST ANOTHER 18-24 HOURS WITH SUBSTORM
ACTIVITY DURING LOCAL NIGHTTIME POSSIBLY REACHING MINOR STORM
LEVELS. THE FIELD SHOULD THEN RETURN TO GENERALLY UNSETTLED LEVELS
THRU THE REST OF THE PERIOD.

III. EVENT PROBABILITIES 09 MARCH - 11 MARCH

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MARCH 171

PREDICTED 09-11 MARCH 170/169/165

90-DAY MEAN 08 MARCH 124

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 MARCH 07

ESTIMATED AFR/AP 08 MARCH 12/15

PREDICTED AFR/AP 09-11 MARCH 17/20 - 10/12 - 08/10

SOLTERWARN

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