

NNNN0351

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KMSC

HAUS BOU 050400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 036A ISSUED 0400Z 05 FEB 1971

CLASS C FLARES AND ONE OR TWO CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS INCREASED SLIGHTLY DURING THE PAST 11 HOURS. A CLASS M1 SUB-BRILLIANT FLARE OCCURRED AT 04/1926Z IN THE REGION AT N08W41. NEW MAGNETIC STRUCTURES HAVE EMERGED IN THE SPOT GROUP AT N08W41, RESULTING IN AN INCREASE IN MAGNETIC COMPLEXITY IN THE CENTRAL PORTION OF THE REGION. ACCORDING TO THE MOUNT WILSON OBSERVATORY, A MAGNETIC DELTA CONFIGURATION EXISTS IN THE EAST-CENTRAL PORTION OF THIS NORTHWEST GROUP. DEVELOPMENT ALSO HAS OCCURRED IN THE REGION AT S07E12. QUIET GEOMAGNETIC CONDITIONS HAVE PREVAILED DURING THE PAST 11 HOURS.

B. SOLAR ACTIVITY IS EXPECTED TO INCREASE DURING THE NEXT 24 HOURS IN THE REGIONS AT N08W41 AND S07E12. DUE TO THE RECENT DEVELOPMENT OF THE N08W41 REGION, THE PROBABILITY OF MAJOR ACTIVITY AT THAT SITE DURING THE 72-HOUR FORECAST PERIOD HAS INCREASED. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET DURING THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 FEB/0400Z ENDING 08 FEB/0400Z.

CLASS M OR GREATER 90/90/90

CLASS X 15/20/25

PROTON EVENTS 15/20/25

D. OTTAWA 10.7 CM FLUXES FOR 04/1700Z AND 04/2000Z WERE BOTH 166.

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156
correction sent

CORRECTION TO SDF 036A
HAUS BOU 050400 CORRECTION
FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO
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THE NEXT 13 HOURS.
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AT N08W41. NEW MAGNETIC STRUCTURES HAVE EMERGED IN THE SPOT GROUP
AT N08W41, RESULTING IN AN INCREASE IN MAGNETIC COMPLEXITY IN THE
CENTRAL PORTION OF THE REGION. ACCORDING TO THE MOUNT WILSON
OBSERVATORY, A MAGNETIC DELTA CONFIGURATION EXISTS IN THE EAST-
CENTRAL PORTION OF THIS NORTHWEST GROUP. DEVELOPMENT ALSO HAS
OCCURRED IN THE REGION AT S07E12. QUIET GEOMAGNETIC CONDITIONS
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CLASS M OR GREATER 90/90/90
CLASS X 15/20/25
PROTON EVENTS 15/20/25
D. OTTAWA 10.7 CM FLUXES FOR 04/1700Z AND 04/2000Z WERE BOTH 156.
SOLTERWARN
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NNNN1719

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KMSC

HAUS BOU 051730

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 36B ISSUED 1700Z 05 FEB 1971

CLASS M FLARES ARE EXPECTED IN THE NEXT 11 HOURS.

A. ONLY MINOR ACTIVITY HAS BEEN OBSERVED THE PAST 13 HOURS. THE N08W48 REGION HAS BEEN THE SOURCE OF NUMEROUS CLASS C FLARES.

SIGNIFICANT STRUCTURAL DEVELOPMENT HAS NOT BEEN REPORTED THOUGH VISUAL OBSERVATIONS HAVE BEEN SPARSE. THE REGION AT S07E05 RETAINS A WEAK MAGNETIC COMPLEXITY AND HAS BEEN A SOURCE OF FREQUENT CLASS C FLARES. THE GEOMAGNETIC FIELD HAS REMAINED QUIET.

B. THE N08W48 REGION IS CONSIDERED TO BE A PROBABLE SOURCE OF FLARES OF MODERATE ENERGY. MORE ENERGETIC EVENTS ARE POSSIBLE BUT ARE NOT EXPECTED UNLESS FURTHER DEVELOPMENT OCCURS. CLASS M FLARES ARE POSSIBLE FROM THE S07E05 REGION AND SPORADIC MINOR FLARES FROM THE REGION APPROACHING WEST LIMB AT S11. A TREND TOWARD DISTURBANCE LEVELS IS EXPECTED IN THE GEOMAGNETIC FIELD IN THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 FEB/1700Z ENDING 08 FEB/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 15/20/25

PROTON EVENTS 15/20/25

D. OTTAWA 10.7 CM FLUX FOR 05/1700Z WAS 146.3. PREDICTED 10.7 CM FLUX FOR 06-08 FEB IS 145/143/142.

E. MAGNETIC A-FREDERICKSBURG FOR 04 FEB WAS 03. FOR 05 ABOUT 06 PREDICTED AP FOR 06-08 FEB, 12/15/15.

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