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KMSC

HAUS BOU 040400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 035A ISSUED 0400Z 04 FEB 1971

OCCASIONAL CLASS-C FLARES AND ONE OR TWO CLASS-M FLARES ARE ANTICIPATED DURING THE NEXT 13 HOURS.

A. DURING THE PAST 11 HOURS, ONLY A FEW CLASS-C SUBFLARES HAVE BEEN REPORTED. THE MOST RECENT ENERGETIC EVENT CONSISTED OF A CLASS M1 ONE-BRILLIANT FLARE AT 03/1527Z IN THE REGION AT S07E27. SLIGHT PLAGE DEVELOPMENT HAS BEEN OBSERVED IN THE SMALL REGION AT S20E12, WHERE SEVERAL SUBFLARES OCCURRED RECENTLY. THE REGION AT N08W26 IS STILL THE MOST IMPRESSIVE DISK FEATURE, ALTHOUGH SOME INDICATIONS OF DECAY HAVE OCCURRED AT THAT SITE. FEW OTHER SIGNIFICANT CHANGES HAVE BEEN OBSERVED ON THE SOLAR DISK. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 11 HOURS.

B. DURING THE 72-HOUR FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO REMAIN NEAR THE PRESENT LEVEL. OCCASIONAL CLASS-C EVENTS AND SPORADIC CLASS-M FLARES ARE LIKELY TO OCCUR IN THE REGIONS AT N08W26, S11W62, AND S07E27. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN RELATIVELY QUIET DURING THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 FEB/0400Z ENDING 07 FEB/0400Z. CLASS M OR GREATER 80/80/80

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUXES FOR 03/1700Z AND 03/2000Z WERE 159 AND 158 RESPECTIVELY.

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HAUS BOU 041735

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 35B ISSUED 1700Z 04 FEB 1971

CLASS M FLARES ARE POSSIBLE IN THE NEXT 11 HOURS.

A. THERE HAS BEEN ONLY MINOR ACTIVITY IN THE PAST 13 HOURS. THE FREQUENCY OF FLARES HAS DECLINED IN BOTH THE S12W72 AND S06E19 REGIONS. STRUCTURAL CHANGES AND AN INCREASING FREQUENCY OF MINOR FLARES HAVE BEEN SEEN IN THE LARGE PREVIOUSLY DORMANT REGION AT N06W37. A NEW REGION IS DEVELOPING AT N24W16. THE GEOMAGNETIC FIELD HAS REMAINED QUIET.

B. THE LARGE NW REGION IS MOVING INTO AN EARLY PHASE OF INSTABILITY AND EVENTUAL DECLINE. SPORADIC FLARES OF VARYING ENERGIES BUT WITH A PROBABLE INCREASING ENERGY TREND ARE EXPECTED FOR THE NEXT THREE DAYS. IT IS STILL TOO EARLY TO DETERMINE WHETHER THE LARGEST OF THESE WILL BE MORE THAN MODERATE INTENSITY. FREQUENT MINOR FLARES ARE EXPECTED FROM THE NEW N24W12 REGION. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET FOR ANOTHER 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 FEB/1700Z ENDING 07 FEB/1700Z.

CLASS M OR GREATER 80/85/85

CLASS X 10/15/20

PROTON EVENTS 10/15/20

D. OTTAWA 10.7 CM FLUX FOR 04/1400Z WAS 153.6. PREDICTED 10.7 CM FLUX FOR 05-07 FEB IS 158/160/162.

E. MAGNETIC A-FREDERICKSBURG FOR 03 FEB WAS 03. FOR 04 FEB ABOUT 05 PREDICTED AP FOR 05-07 FEB, 08/10/12.

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