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KMSC

HAUS BOU 060400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 037A ISSUED 0400Z 06 FEBRUARY 1971

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 13 HOURS.

A. AN OPTICAL CLASS 1 BRIGHT FLARE WAS OBSERVED 05/2230Z IN REGION S08E04. THIS FLARE WAS A CLASS C9 AND WAS ACCOMPANIED BY A MODERATE RADIO BURST ON 2695MHZ. ONLY CLASS C FLARES HAVE BEEN OBSERVED DURING THE PAST 11 HOURS. MOST ACTIVITY HAS BEEN FROM REGIONS S06E01 AND N07W53. THE REGION N07W53 IS CLASSIFIED BY MT. WILSON AS BETA GAMMA CONTAINING A WEAK DELTA IN ITS CENTRAL PORTION. THE OTHER DISK REGIONS ARE SMALL AND QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. THE REGION N07W53 IS THE MOST INTERESTING DISK FEATURE AND IS MOST LIKELY TO PRODUCE CLASS M FLARES. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06 FEB/0400Z ENDING 09 FEB/0400Z

CLASS M OR GREATER 90/90/90

CLASS X 20/20/20

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUXES FOR 05/1700Z AND 05/2000Z WERE 149 AND 148 RESPECTIVELY.

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HAUS BOU 061700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 037B ISSUED 1700Z 06 FEB 1971

OCCASIONAL CLASS C FLARES ARE PERHAPS ONE CLASS M FLARE ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 13 HOURS. ONLY A FEW CLASS C EVENTS HAVE BEEN REPORTED. LITTLE CHANGE HAS BEEN OBSERVED IN THE REGION AT N08W61, WHERE A MAGNETIC DELTA CONFIGURATION STILL MAYBE PRESENT IN THE EAST-CENTRAL PORTION OF THE SPOT GROUP. THE NEW REGION AT N24W45 CONTAINS A GROWING D-TYPE SPOT GROUP AND MODERATELY BRIGHT PLAGE, WHILE THE S07W08 REGION IS RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC FIELD IS QUIET.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A MODERATELY LOW LEVEL. OCCASIONAL CLASS C FLARES AND SPORADIC SMALL CLASS M FLARES ARE LIKELY TO BE PRODUCED AT THE N08W61, N24W45, AND S07W08 SITES. THERE IS STILL A SMALL CHANCE THAT A SIGNIFICANT ENERGETIC FLARE COULD BE PRODUCED BY THE PRESENTLY-DORMANT N08W61 REGION. UNSETTLED GEOMAGNETIC CONDITIONS ARE LIKELY DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06 FEB/1700Z ENDING 09 FEB/1700Z.

CLASS M OR GREATER 85/85/80

CLASS X 15/10/10

PROTON EVENTS 15/10/10

D. OTTAWA 10.7 CM FLUX FOR 06/1400Z WAS 149. PREDICTED 10.7 CM FLUX FOR 07-09 FEB IS 144/140/135.

E. MAGNETIC A-FREDERICKSBURG FOR 05 FEB WAS 03. FOR 06 FEB ABOUT 05 PREDICTED AP FOR 07-09 FEB, 10/12/12.

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