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KMSC

HAUS BOU 240400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 636A ISSUED 0400Z 24 MAY 1970

CLASS C AND AN OCCASIONAL CLASS M FLARES CAN BE EXPECTED DURING THE NEXT 13 HOURS.

A. TWO CLASS M EVENTS WERE OBSERVED DURING THE PAST 24 HOURS, 23/0658Z AND 23/1133Z. BOTH OF THESE EVENTS WERE ASSOCIATED WITH ACTIVITY FROM REGION N17W77. THIS NORTH WEST REGION HAS PRODUCED MOST OF THE SOLAR ACTIVITY, FLARES AND SURGES DURING THE LAST 24 HOURS. SINCE 23/1500Z MOST ALL THE ACTIVITY HAS BEEN SURGES AND REGION N15E22 HAS PRODUCED NUMEROUS NON-ENERGETIC SUBFLARES. A NEW REGION IS ROTATING ON THE DISK AT S12, ONLY PLAGE IS AS YET VISIBLE. THE GEOMAGNETIC FIELD IS QUIET.

B. AS REGION N17W77 CONTINUES ITS WEST LIMB PASSAGE MORE SURGE ACTIVITY IS EXPECTED. FLARE ACTIVITY IS EXPECTED TO INCREASE FROM REGION N14E02.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 24 MAY/0400Z ENDING 27 MAY/0400Z

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 23/1700Z AND 2000Z WERE 160 AND 159 RESPECTIVELY.

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HAUS BOU 241720Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 636B ISSUED 1700Z 24 MAY 1970

CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. A NEAR CLASS M EVENT OCCURRED AT 24/0615, OPTICALLY CLASSIFIED AS SN, LOCATION N17W82. SOLAR ACTIVITY IS AT A LOW LEVEL PRESENTLY. SOME SPOT GROWTH OBSERVED IN THE REGIONS LOCATED NEAR S06E45, S08W38 AND S14E15. THE N16W27 REGION HAS EVOLVED MAGNETICALLY FROM AN ALPHA TO A BETA - GAMMA SINCE YESTERDAY. OTHER REGIONS ARE UNCHANGED AND STABLE. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. WITH THE LIMB PASSAGE OF THE LARGE NW REGION THE SUN LOOKS INCAPABLE OF PRODUCING ENERGETIC EVENTS. WE MIGHT EXPECT SOME ABOVE AVERAGE GEOMAGNETIC FIELD ANOMALIES IN THE NEXT 48 HOURS DEDUCED FROM SATELLITE OBSERVATIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 24 MAY/1700Z ENDING 27 MAY/1700Z.

CLASS M OR GREATER 40/40/40

CLASS X 02/02/02

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX TODAY AT 1400Z 158. PREDICTED 155/155/153.

E. MAGNETIC A-FREDERICKSBURG FOR 23 MAY WAS 07. FOR 24 MAY ABOUT 08 PREDICTED AP FOR 25-27 MAY, 12/12/08.

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