

KMSC

HAUS BOU 010400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 613A ISSUED 0400Z 01 MAY 1970

NO CLASS M EVENTS ARE EXPECTED THESE NEXT 13 HOURS.

A. DURING THE PAST 24-HOUR PERIOD NO ENERGETIC FLARES WERE OBSERVED. CLASS C EVENTS ARE OCCURRING WELL SCATTERED OVER THE DISK AT A RATE OF ABOUT ONE PER HOUR. OF THE ELEVEN REGIONS CURRENTLY VISIBLE NONE HAS AN AREA OF MORE THAN 200 MILLIONTHS; THE BRIGHTEST OF THESE IS THE DEVELOPING BIPOLAR GROUP NEAR S14W37.

B. SOLAR ACTIVITY HAS BEEN SOMEWHAT LOWER THAN ANTICIPATED THIS WEEK. ALTHOUGH THERE ARE 2 REGIONS AT PRESENT EVOLVING PROMISINGLY, RECENT FLARE HISTORIES DO NOT HEAVILY FAVOR THESE PARTICULAR LONGITUDES. BELOW AVERAGE FLARE PRODUCTION IS FORSEEN DURING THE FORECAST PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 MAY/0400Z ENDING 04/0400Z.

CLASS M OR GREATER 40/30/30

CLASS X 10/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUXES FOR 30/1700 AND 2000Z WERE BOTH 151.

SOLTERWARN

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KMSC

HAUS BOU 011700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 613B ISSUED 1700Z 01 MAY 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY CLASS C FLARES BEING OBSERVED. IN WHITE LIGHT, A SMALL, NEW SPOT HAS BEEN OBSERVED INSIDE THE LARGE PENUMBRAL REGION AT S11E58 AND MAY BE OF OPPOSITE MAGNETIC POLARITIES. THE REMAINING REGIONS IN WHITE LIGHT ARE UNCHANGED. IN H-ALPHA, THE REGION AT S11E09 HAS SHOWN SOME VERY BRIGHT PLAGE AREAS TO THE SOUTH OF THE MAIN SPOTS. THIS REGION PRODUCED A CLASS C IMPORTANCE 1B AT 01/1424Z AND WAS FOLLOWED BY AN IMPORTANCE 2N SECONDARY MAXIMUM AT 01/1505Z. THIS FLARE WAS ASSOCIATED VERY INTIMATELY WITH AN ACTIVE FILAMENT WHICH ACTIVATED THE FLARE. THE GEOMAGNETIC FIELD IS QUIET.

B. THE S11E09 REGION IS EXPECTED TO CONTINUE TO PRODUCE OPTICAL RATHER THAN STRONG GEOPHYSICAL-TYPE ENERGETIC FLARES.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01/1700Z ENDING 04/1700Z.

CLASS M OR GREATER 40/50/50

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 156. PREDICTED 158/160/160.

E. MAGNETIC A-FREDERICKSBURG FOR 30 APRIL WAS 16. FOR 01 MAY ABOUT 10. PREDICTED AP FOR 02-04 MAY, 08/08/06.

SOLTERWARN

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