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KMSC

HAUS BOU 120400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 808A ISSUED 0400Z 12 NOV 1970

A CLASS-M FLARE IS LIKELY DURING THE NEXT 13 HOURS.

A. THE MOST SIGNIFICANT SOLAR EVENT DURING THE PAST 11 HOURS CONSISTED OF A CLASS-M2 X-RAY ENHANCEMENT OF UNDETERMINED ORIGIN. DEVELOPMENT HAS CONTINUED AT THE S09E68, N15E31, AND N16W84 SITES; THERE ARE INDICATIONS THAT MORE PLAGE MAY BE CROSSING THE LIMB BEHIND THE BIPOLE REGION AT N09E73. THE GEOMAGNETIC FIELD HAS SHOWN PERIODS OF MINOR DISTURBANCE DURING THE PAST 24 HOURS.

B. ONE OR TWO SMALL CLASS-M EVENTS ARE LIKELY TO OCCUR AT ONE OR MORE OF THE GROUPS AT S09E68, N15E31, AND N16W84 DURING THE NEXT 24 HOURS. SHOULD DEVELOPMENT PROGRESS APPRECIABLY IN ANY OF THESE REGIONS, THE PROBABILITY OF CLASS-M EVENTS WILL RISE ABOVE THE VALUES INDICATED IN PART C BELOW. THE GEOMAGNETIC FIELD IS EXPECTED TO SHOW PERIODS OF MINOR DISTURBANCE DURING THE NEXT TWO DAYS, ESPECIALLY DURING THE TIME PERIODS 0000-1200Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12 NOV/0400Z ENDING 15 NOV/0400Z.

CLASS M OR GREATER 65/70/65

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 11/1700Z AND 11/2000Z WERE 159 AND 160 RESPECTIVELY.

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HAUS BOU 121730

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 808B ISSUED 1700Z 12 NOV 1970

ONE OR TWO CLASS M EVENTS ARE LIKELY FROM EITHER OR BOTH OF THE N15E24 AND S10E57 REGIONS.

A. SINCE THE FIRST MESSAGE TODAY ONE ENERGETIC FLARE HAS OCCURRED WITHIN A REGION CROSSING THE EL NEAR N04. START TIME OF THIS M5 EVENT WAS 12/0336Z. A SURGE-SPRAY AND SIMPLE 10CM RADIO BURST OF THE ORDER OF 100 WATTS/M2/HZ ACCOMPANIED THIS SB ERUPTION. THREE REGIONS ARE CURRENTLY ON OR JUST INSIDE THE EL NEAR N08 AND 04 AND S09. SINCE ABOUT 12/0315Z SURGES HAVE BEEN OBSERVED INTERMITTENTLY AT NE05 AND BETWEEN NE08-12. MOREOVER, AND ACTIVE PROMINENCE AND FLARE-BRIGHT PLAGE ARE STILL IN EVIDENCE ABOUT NW15, MARKING THE PASSAGE FROM VIEW OF A SMALL DEVELOPING GROUP. THE GEOMAGNETIC FIELD HAS BEEN DISTURBED SINCE YESTERDAY. LOW LATITUDE OBSERVATORIES LIKE BOULDER HAVE NOT EXCEEDED A K OF 4.

B. NO MORE THAN TWO SMALL M FLARES PER DAY ARE ANTICIPATED DURING THE FORECAST PERIOD. PRIME CANDIDATES FOR SUCH ACTIVITY ARE THE N15E24 (E/340) S10E57 (D/110) FEATURES. A SUB FR SHOULD DROP BELOW TEN ON THE 14TH.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12 NOV/1700Z ENDING 15 NOV/1700Z.

CLASS M OR GREATER 65/70/75

CLASS X 05/05/10

PROTON EVENTS 05/05/10

D. OTTAWA 10.7 CM FLUX FOR 12/1400Z WAS 169. PREDICTED 10.7 CM FLUX FOR 13-15 NOV IS 170/176/173.

E. MAGNETIC A-FREDERICKSBURG FOR 11 NOV WAS 17. FOR 12 NOV ABOUT 10. PREDICTED AP FOR 13-15 NOV, 13/08/04.

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