

NNNN0524

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KMSC

HAUS BOU 050435Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 556A ISSUED 0400Z 05 MARCH 1970

M EVENTS ARE LIKELY DURING THE NEXT 13-HOUR PERIOD.

A. ONE KNOWN M FLARE OCCURRED YESTERDAY AT 0055Z(1B); THE EVENTS OF 1656 AND 1825Z (BOTH 1B FLARES OPTICALLY) WERE VERY LIKELY OF THE SAME CLASS. ALL THREE OF THESE ERUPTIONS TOOK PLACE WITHIN THE N15W82 CENTER. SINCE ABOUT 04/1900Z THIS REGION HAS BEEN QUIET. LITTLE OR NO ACTIVITY WAS OBSERVED FROM EITHER THE E/470 GROUP NEAR N06E01 OR THE NEWLY VISIBLE ONE JUST INSIDE THE EAST LIMB NEAR S14. A MINOR FORBUSH DECREASE (3 PER CENT) IS NOW EVIDENT ON THE DEEP RIVER, ONTARIO NEUTRON MONITOR. THIS DECLINE IN COUNTING RATE BEGAN APPROXIMATELY 24 HOURS AGO. THE SMALL MAGNETIC FIELD FLUCTUATIONS RECORDED FROM 0900 TO 1800Z APPEAR TO BE GRADUALLY DIMINISHING.

B. THE FREQUENCY OF SOLAR FLARES SHOULD REMAIN AT THE PRESENT LEVEL, NAMELY OF THE ORDER OF TWO M EVENTS/DAY, FOR THE NEXT 72-HOUR PERIOD. NO MAGNETIC STORM IS EXPECTED DESPITE THE CURRENT COSMIC RAY DEPRESSION AND RECENT GEOMAGNETIC FIELD PERTURBATIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 MAR/0400Z ENDING 08/0400Z.

CLASS M OR GREATER 90/80/80

CLASS X 50/40/40

PROTON EVENTS 10/05/05

D. OTTAWA 10.7CM FLUXES FOR 04/1700 AND 2000Z WERE 163 AND 172 RESPECTIVELY.

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HAUS BOU 051700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 556B ISSUED 1700Z 05 MARCH 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY REMAINS AT A MODERATE LEVEL WITH A CLASS M /IMP 1B/ FLARE AT 05/0415Z AT S12E80 AND A CLASS M /IMP 1B/ FLARE AT 05/0456Z AT N14W90. THE FIRST FLARE PRODUCED A 54 MINUTE SWF ON 9.6 MHZ AND A 30 MHZ RIOMETER ABSORPTION OF 1.3 DB AND AN IMPORTANCE 3 SPA. THE N14WL REGION IS STARTING WEST LIMB PASSAGE AND HAS PRODUCED BSL ACTIVITY. THE S12E80 REGION IS UNCHANGED ALTHOUGH BSL'S CONTINUE BACK TO EL. THE REMAINING REGIONS ARE STABLE. THE GEOMAGNETIC FIELD IS QUIET.

B. A FEW CLASS M FLARES ARE EXPECTED FROM THE S12E80 REGION DURING THE NEXT 3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05/1700Z ENDING 08/1700Z.

CLASS M OR GREATER 90/90/80

CLASS X 50/40/40

PROTON EVENTS 10/05/05

D. OTTAWA 10.7CM FLUX AT 1400Z WAS 166. PREDICTED 170/172/175.

E. MAGNETIC A-FREDERICKSBURG FOR 04 MAR WAS 11. FOR 05 MAR ABOUT 06. PREDICTED AP FOR 06-08 MAR 11/10/09.

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