

NNNN0359

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KMSC

HAUS BOU 070400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 619A ISSUED 0400Z 07 MAY 1970

ONE OR TWO M FLARES ARE EXPECTED IN THE NEXT 13 HOURS FROM THE TWO NE CENTERS.

A. THE LATEST M EVENT WAS ONE BEGINNING ABOUT 06/1225Z NEAR N11E47. OPTICALLY THE FLARE RATED AS AN IMPORTANCE 1B. THE SMALLER OF THE TWO NE REGIONS HAS INCREASED IN AREA WHILE THE LARGER HAS MAINLY REORGANIZED ITS PENUMBRAL STRUCTURE. A VERY SMALL RISE IN SATELLITE PROTON COUNTING RATES WAS FIRST DETECTED BY THE HEOS SATELLITE-START TIME GIVEN BY OBSERVATOIRE DE PARIS AS 05/1953Z. CURRENT BACKGROUND COUNTING RATES ON ATS-1 ARE OF THE ORDER 5 PARTICLES/CM²-SEC (5-20 MEV); LESS THAN ONE FLUX UNIT IS BEING RECORDED ON THE 20-70 MEV CHANNEL. THE GEOMAGNETIC FIELD IS QUIET.

B. ENERGETIC FLARES ARE VERY LIKELY TO OCCUR WITHIN EITHER OR BOTH OF THE REGIONS CENTERED NEAR N14E40 AND N17E32.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 MAY/0400Z ENDING 10 MAY/0400Z.

CLASS M OR GREATER 55/60/60

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUXES FOR 06/1700 AND 2000Z WERE 160 AND 158 RESPECTIVELY.

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HAUS BOU 071700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 619B ISSUED 1700Z 07 MAY 1970

CLASS-M FLARES ARE ANTICIPATED AND INCREASED CHANCES OF CLASS-FLARES

A. ACTIVITY CERTAINLY LOOKS ON THE RISE FOR ENERGETIC EVENTS AS THE N14E32 AND N17E24 REGIONS ARE SHOWING A CONTINUOUS CHAIN OF SUBFLARES AT THIS TIME. THE FLARES ARE OCCURRING ALONG THE STRIP OF A U SHAPED PLAGE THAT BENDS AROUND THE TRAILING SPOT GROUP. A VERY ACTIVE DOUBLE FILAMENT STRUCTURE IS NOTED NORTH OF THE TRAILING REGION WHOSE MOVEMENT CAN BE DECTECTED EASILY BY OBSERVING THE BLUE WING OF THE H ALPHA BAND. WHITE LIGHT SPOT ANALYSIS SHOWS MINOR CHANGES IN THESE GROUPS BUT IT IS THE H ALPHA PICTURE WHICH SUGGESTS RISING ACTIVITY. THE REGION NEAR N13W19 SHOWS SOME SPOT GROWTH AND ROTATION MOVEMENT; THIS IS ALSO APPARENT IN THE REGION NEAR S12W23 BUT TO A LESSER DEGREE.

B. MAJOR ACTIVITY IS EXPECTED FROM THE NE COMPLEX OF REGIONS. THE GEOMAGNETIC FIELD IS EXPECTED TO BE SLIGHTLY DISTURBED IN THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 MAY/1700Z ENDING 10 MAY/1700Z.

CLASS M OR GREATER 90/90/80

CLASS X 40/30/30

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUX 1400Z WAS 159. PREDICTED 160/157/157.

E. MAGNETIC A-FREDERICKSBURG FOR 06 MAY WAS 04. FOR 07 MAY ABOUT 08. PREDICTED AP FOR 08-10 MAY 12/10/10.

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