

NNNN0401

NNNN

KMSC

HAUS BOU 100400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 533A ISSUED 0400Z 10 FEB 1970

CLASS M EVENTS ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS CONTINUED TO INCREASE. CLASS C FLARES ARE NUMEROUS AND TWO MORE CLASS M EVENTS HAVE BEEN RECORDED. A SB AT 09/1508Z N17E14 AND SN AT 09/1552Z N18E16. THE REGION WHICH PRODUCED THE ABOVE FLARES HAS CONTINUED ITS RAPID GROWTH AND WILL PRODUCE MORE CLASS M EVENTS. SATELLITE DETECTORS INDICATE TWO SIGNIFICANT X-RAY EVENTS 10/0030Z AND 10/0132Z. NO PROTON EVENTS HAVE BEEN DETECTED FROM EVENTS OF THE PAST DAY. THE REGION S12W36 HAS ALSO BEEN ACTIVE TODAY AND IS ALSO CAPABLE OF CLASS M EVENTS. THE GEOMAGNETIC FIELD IS QUIET.

B. WITH THE CONTINUAL GROWTH OF REGION N19E11 CLASS X ACTIVITY IS PROBABLE WITHIN THE NEXT 2-3 DAYS. MAGNETIC ACTIVITY SHOULD INCREASE SLIGHTLY DURING NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 10 FEB/0400Z ENDING 13 FEB/0400Z.

CLASS M OR GREATER 90/90/90

CLASS X 55/60/65

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 09/1700Z AND 2000Z WERE 158 AND 167 RESPECTIVELY

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HAUS BOU 101708Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 533B ISSUED 1700Z 10 FEBRUARY 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. CLASS M FLARES WERE OBSERVED AT 09/2343Z /IMP SB/ AT N19E12, AT 10/0035Z /IMP SN/ AT N19E10, AT 10/0144Z /IMP SN/ AT N18E11, AND AT 10/0737Z /IMP SN/ AT N19E10. THE ACTIVE E-TYPE/470 REGION AT N19E00 HAS SLOWED ITS WHITE LIGHT GROWTH, HOWEVER, FIELD STRENGTHS HAVE INCREASED ALONG WITH PROPER MOTION OF THE LEADER SPOT GROUP. OVERALL H-ALPHA INTENSITY HAS DECREASED FROM 24 HOURS AGO. THE S12W51 REGION CONTINUES ITS DECAY AND IS CURRENTLY VERY UNIMPRESSIVE. A NEW REGION IS APPROACHING EL NEAR S10. THE REMAINING REGIONS ON THE DISK ARE STABLE. THE GEOMAGNETIC FIELD IS QUIET.

B. THE ACTIVE N19E00 REGION IS AT A CRITICAL STAGE OF DEVELOPMENT. HOWEVER, ITS FAVORABLE CARRINGTON LONGITUDE AND CURRENT RADIO MAPS INDICATE FUTURE DEVELOPMENT WITH CLASS X EVENTS LIKELY IN 48-72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 10/1700Z ENDING 13/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 50/50/50

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 173. PREDICTED 183/188/188.

E. MAGNETIC A-FREDERICKSBURG FOR 09 FEB WAS 02. FOR 10 FEB ABOUT 03. PREDICTED AP FOR 11-13 FEB 05/05/08.

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