

NNNN0450

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UMSC

HAUS BOU 020400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 525A ISSUED 0400Z 02 FEB 1970

CLASS C FLARES ARE EXPECTED IN THE NEXT 13 HOURS.

A. FLARE ACTIVITY FROM THE REGION S16W83 HAS SUBSIDED DURING THE PAST 11 HOURS. VERY LITTLE ACTIVITY HAS BEEN OBSERVED FROM ANY REGIONS ON THE DISK. THE SATELLITE ATS-1 PROTON COUNT CONTINUES TO DECLINE AT BOTH LEVELS. THE POLCAP ABSORPTION IS VERY MINOR. THE MAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. VERY LITTLE ACTIVITY IS EXPECTED FROM THE REGIONS ON THE DISK, IT IS PROBABLE THAT AS REGION S16W83 MAKES ITS WEST LIMB PASSAGE, A CLASS M EVENT WILL OCCUR. THE MAGNETIC FIELD WILL REMAIN DISTURBED DURING THIS FORECAST PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 FEB/0400Z ENDING 05 FEB/0400Z.

CLASS M OR GREATER 60/40/25

CLASS X 05/05/05

PROTON EVENTS 05/02/02

D. OTTAWA 10.7 CM FLUX 01/1700Z AND 2000Z WERE 139 AND 138 RESPECTIVELY

SOLTERWARN

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NNNN070

UMSC

HAUS BOU 021704Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 525B ISSUED 1700Z 02 FEBRUARY 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY IS DECREASING AS THE ACTIVE REGION IS STARTING ITS WEST LIMB PASSAGE AT S15. ONLY CLASS C FLARES HAVE BEEN OBSERVED SINCE SDF 525A. A NEW C-TYPE SPOT GROUP IS GROWING AT N18W38. MINOR GROWTH HAS OCCURRED IN THE S16E32 REGION AND IN THE NEWER S08E10. REGION. THE ATS-1 SATELLITE PROTON FLUXES ARE DECREASING SLOWLY WITH THE CURRENT RATE ON THE 20-70 MEV CHANNEL AT 02/1700Z ABOUT TWICE BACKGROUND. THE GEOMAGNETIC FIELD IS DISTURBED.

B. SOLAR ACTIVITY WILL CONTINUE TO DECREASE DURING THE NEXT 3 DAYS WITH ONLY A SLIGHT CHANCE OF A CLASS M EVENT. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN DISTURBED FOR 48 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02/1700Z ENDING 05/1700Z.

CLASS M OR GREATER 60/30/30

CLASS X 20/02/02

PROTON EVENTS 20/01/01

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 138. PREDICTED 129/124/120.

E. MAGNETIC A-FREDERICKSBURG FOR 01 FEB WAS 06. FOR 02 FEB ABOUT 17. PREDICTED AP FOR 03-05 FEB 30/20/10.

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