

NNNN0400

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KMSC

HAUS BOU 230400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 574A ISSUED 0400Z 23 MARCH 1970

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY DURING THE PAST 8 HOURS HAS INCREASED. THE NUMBER OF CLASS C FLARES FROM THE NORTH EAST COMPLEX AND THE REGION AT N16W56 HAVE BEEN MORE FREQUENT. A CLASS C FLARE OPTICAL IN AT 22/2337Z FROM N16E26 DID GIVE SLIGHT IONOSPHERIC DISTURBANCE. THE GEOMAGNETIC FIELD IS QUIET.

B. MT WILSON CLASSIFICATION OF N16W56 IS BETA GAMMA WITH DELTA CONFIGURATION. THIS REGION AND THE NORTH EAST COMPLEX WILL PROBABLY PRODUCE AN OCCASIONAL CLASS M FLARE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 MAR/0400Z ENDING 26 MAR/0400Z

CLASS M OR GREATER 60/60/60

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX 22/1700Z AND 2000Z WERE 154 AND 156 RESPECTIVELY.

SOLTERWARN

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HAUS BOU 231700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 574B ISSUED 1700Z 23 MARCH 1970

CLASS M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY IS AT A MODERATE LEVEL WITH CLASS C FLARES BEING OBSERVED IN SCATTERED FASHION ACROSS THE DISK. BASED ON LIMITED INFORMATION, POSSIBLE CLASS M FLARES WERE OBSERVED AT 22/2340Z(IMP 1N) AT N16E26 AND AT 23/1550Z(IMP 1N) AT N17W65. THIS LATTER REGION IS THE MOST IMPRESSIVE FEATURE ON THE DISK WITH BRIGHT PLAGE AND A BETA-GAMMA DELTA MAGNETIC CONFIGURATION. THE NE COMPLEX OF REGIONS HAS SHOWN LITTLE CHANGE IN WHITE LIGHT WITH SCATTERED UNIMPRESSIVE PLAGE AREAS IN H-ALPHA. MINOR BSL ACTIVITY HAS BEEN OBSERVED AT S03EL. THE GEOMAGNETIC FIELD IS QUIET.

B. THE N17W65 REGION IS THE MOST LIKELY LOCATION OF SPORADIC CLASS M FLARES DURING THE NEXT 3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23/1700Z ENDING 26/1700Z.

CLASS M OR GREATER 60/70/70

CLASS X 5/10/10

PROTON EVENTS 1/2/2

D. OTTAWA 10.7 CM FLUX TODAY AT 1400Z 161. PREDICTED 163/164/165

E. MAGNETIC A-FREDERICKSBURG FOR 22 MARCH WAS 01. FOR 23 MARCH ABOUT 05 PREDICTED AP FOR 24-26 MARCH, 4/5/6.

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