

25 Mar

HAUS BOU 250400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER-COLO
SDF NUMBER 084A ISSUED 0400Z 25 MARCH 1971

CLASS C FLARES ARE LIKELY DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 11 HOURS, AND THE MOST ENERGETIC EVENT REPORTED CONSISTED OF A CLASS C4 SUBNORMAL FLARE AT 24/2054Z FROM THE S12E51 REGION. THIS SOUTHEASTERN ACTIVE CENTER CONTAINS A D-TYPE SPOT GROUP WITH A MODERATELY STRONG MAGNETIC GRADIENT BETWEEN SPOTS OF OPPOSITE POLARITY IN THE CENTRAL PART OF THE REGION. A NEW D-TYPE SPOT GROUP HAS CROSSED THE LIMB AT SE17, AND AN H-TYPE SPOT NOW IS LOCATED AT N27E85. OTHER REGIONS ARE STABLE OR DECLINING. THE GEOMAGNETIC FIELD HAS EXHIBITED UNSETTLED CONDITIONS DURING THE PAST 11 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, ONLY MINOR SOLAR ACTIVITY IS EXPECTED. OCCASIONAL CLASS C FLARES ARE ANTICIPATED, AND THERE IS A SMALL CHANCE THAT A WEAK CLASS M EVENT MAY ORIGINATE IN THE S12E51 REGION. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN IN AN UNSETTLED CONDITION DURING THE NEXT 13 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 MAR/0400Z ENDING 28 MAR/0400Z.

CLASS M OR GREATER 20/20/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 24/1700Z AND 24/2000Z WERE 108 AND 106 RESPECTIVELY.

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25 March

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO
SDF NUMBER 84B ISSUED 1700Z ~~24~~ MAR 1971
CLASS C FLARES EXPECTED. ~~24~~ 25

A. CLASS C FLARES HAVE BEEN REPORTED-PRIMARILY IN THE NEW REGION AT S16E75. THE REGION HAS D-TYPE SPOTS WITH LARGE PENUMBRAE. THE PLAGE IS COMPACT AND BRIGHT WITH FREQUENT CHROMOSPHERIC ACTIVITY AND IS APPARENTLY IN A DEVELOPMENT PHASE. ANALYSIS OF THE MAGNETIC STRUCTURE IS NOT YET AVAILABLE. THE S12E44 CENTER HAS BEEN QUIET BUT GROWTH OF SMALL INTERMEDIATE AND FOLLOWER SPOTS INDICATE THE REGION IS NOT STABLE. THE GEOMAGNETIC FIELD HAS REMAINED DISTURBED WITH K FREDRICKSBURG REACHING 4 DURING THE 25/0600-0900Z PERIOD.

B. CLASS C FLARES ARE EXPECTED FROM BOTH S12E44 AND S16E75. PENDING FURTHER ANALYSIS, THE LATTER SHOULD BE REGARDED AS A POTENTIAL SOURCE OF MORE ENERGETIC ACTIVITY. PERIODS OF DISTURBANCE OF DECREASING INTENSITY ARE ANTICIPATED IN THE GEOMAGNETIC FIELD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 MAR/1700Z ENDING 28 MAR/1700Z.
CLASS M OR GREATER 25/25/25
CLASS X 01/01/01
PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 25/1400Z WAS 108. PREDICTED 10.7 CM FLUX FOR 26-28 MAR IS 110/111/111.

E. MAGNETIC A-FREDERICKSBURG FOR 24 MAR WAS 12. FOR 25 ABOUT 10 PREDICTED AP FOR 26-28, 09/07/05.

SOLTERWARN