

KBOU

HAUS BOU 170400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 076A ISSUED 0400Z 17 MARCH 1971

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. DURING THE PAST 11 HOURS, ONLY A FEW NON-ENERGETIC FLARES HAVE BEEN REPORTED. BRIGHT PLAGE AND AN ACTIVE EAST-WEST FILAMENT ARE PRESENT IN THE DEVELOPING NEW REGION AT S05W17. POINT BRIGHTENINGS ARE OCCURRING FREQUENTLY ALONG THE LONGITUDINAL NEUTRAL LINE THROUGH THE ACTIVE CENTER AT N07E09, BUT THE SPOTS HAVE CHANGED TO PRODUCE A SIMPLE BIPOLAR CONFIGURATION IN THIS NORTHEAST REGION. OTHER ACTIVE CENTERS ON THE SOLAR DISK ARE UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS BEEN RELATIVELY QUIET DURING THE PAST 11 HOURS.

B. SOLAR ACTIVITY IS EXPECTED TO CONSIST OF OCCASIONAL CLASS C EVENTS DURING THE 3-DAY FORECAST PERIOD. THE REGIONS NOW AT N07E09 AND S05W17 PROBABLY WILL PRODUCE MOST OF THIS ACTIVITY. STABLE GEOMAGNETIC CONDITIONS ARE LIKELY DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 MAR/0400Z ENDING 20 MAR/0400Z

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 16/1700Z AND 16/2000Z WERE 116 AND 114 RESPECTIVELY.

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HAUS BOU 171700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 76B ISSUED 1700Z 17 MARCH 1971

ONLY MINOR FLARES ARE EXPECTED.

A. ONLY MINOR ACTIVITY HAS BEEN OBSERVED. THE REGION AT S05W25 HAS GROWN RAPIDLY BUT IN NOMINAL BIPOLAR FORM WITH SOME MAGNETIC COMPLEXITY. CONSOLIDATION OF SPOTS HAS BEGUN BUT SOME GROWTH IS STILL OCCURRING. THE H-ALPHA PLAGE REMAINS COMPACT. RECURRING FILAMENT ACTIVITY AT N07E02 INDICATES SOME REMAINING INSTABILITY THERE THOUGH THE SPOTS ARE NEARLY GONE.

B. MINOR FLARES ARE THE PROSPECT FOR THIS FORECAST PERIOD. ACTIVITY AT S05W25 WILL BECOME LESS FREQUENT BUT OCCASIONALLY MORE ENERGETIC, RANGING OCCASIONALLY TO SMALL CLASS M INTENSITY. A LATE DECAY PHASE FLARE AT N07E02 COULD PRODUCE AN IMPRESSIVE OPTICAL FLARE BUT WITH LESS SIGNIFICANT GEOPHYSICAL EFFECTS. THE GEOMAGNETIC FIELD SHOULD BE GENERALLY QUIET BUT WITH ISOLATED PERIODS OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 MAR/1700Z ENDING 20 MAR/1700Z.

CLASS M OR GREATER 25/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 17/1400Z WAS 116. PREDICTED 10.7 CM FLUX FOR 18-20 MARCH IS 117/118/119.

E. MAGNETIC A-FREDERICKSBURG FOR 16 MARCH WAS 13. FOR 17 ABOUT 08 PREDICTED AP FOR 18-20, 08/07/06.

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