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KMSC

HAUS BOU 100400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 502A ISSUED 0400Z 10 JANUARY 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL. A FEW CLASS C FLARES WERE OBSERVED FROM THE REGION IN THE SOUTHEAST, AND SEVERAL FROM THE NEW REGION IN THE SOUTHWEST. ALL OF THE REGIONS ON THE DISK APPEAR STABLE. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED AT PRESENT TIME.

B. THE LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED TO CONTINUE FOR THE NEXT 24 HOURS. THE MAGNETIC FIELD WILL REMAIN SLIGHTLY DISTURBED DURING THIS FORECAST PERIOD.

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

CLASS M OR GREATER 20/30/30

CLASS X 01/01/02

PROTON EVENTS 01/01/02

D. OTTAWA 10.7 CM FLUX 09/1700Z AND 2000Z WERE 124 AND 127 RESPECTIVELY.

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KMSC

HAUS BOU 101815Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 502B ISSUED 1700Z 10 JANUARY 1970

CLASS C FLARES ARE EXPECTED IN THE NEXT 11 HOURS.

A. GROWTH IN BOTH SPOTS AND PLAGE IS REPORTED FROM S27W34 AND S10E44 REGIONS. BOTH HAVE PRODUCED CLASS C FLARES SINCE SDF 502A. PLAGE AND SPOTS ARE ROTATING ACROSS EAST LIMB AT APPROXIMATELY S10, WHERE A NUMBER OF CENTERS OF ACTIVITY WERE LOCATED DURING LAST ROTATION. THESE REGIONS MAY HAVE BEEN THE SOURCES OF THE RADIO/X-RAY/IONOSPHERIC EVENTS BEGINNING 10/0331Z AND 10/1139Z. RADIO FLUX LEVELS ARE RISING RAPIDLY. PIONEER DATA SUGGESTS DEVELOPMENT OF THESE REGIONS DURING THE LAST WEEK. THE GEOMAGNETIC FIELD IS QUIET.

B. AN INCREASED LEVEL OF ACTIVITY IS EXPECTED DURING THIS FORECAST PERIOD. REGIONS AT S27W34 AND S10E44 SOULD BEGIN TO PRODUCE ONE CLASS M FLARE PER DAY IF CURRENT DEVELOPMENT CONTINUES. SE LIMB REGIONS SHOULD PRODUCE AT LEAST ONE CLASS M EVENT PER DAY.

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

CLASS M OR GREATER 45/50/55

CLASS X 08/08/08

PROTON EVENTS 03/03/03

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 139. PREDICTED 144/149/154.

E. MAGNETIC A-FREDERICKSBURG FOR 09 JAN WAS NOT REPORTED. IT IS ESTIMATED AT 09. FOR 10 JAN ABOUT 07.

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