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KMSC

HAUS BOU 160400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 447A ISSUED 0400Z 16 NOVEMBER 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 11 HOURS. ONLY CLASS C FLARES HAVE BEEN OBSERVED AND THEY HAVE NOT BEEN NUMEROUS. THERE HAVE BEEN SEVERAL TYPE THREE DEKAMETRIC RADIO BURSTS DURING THE PAST FORECAST PERIOD. THESE HAVE NOT BEEN FLARE ASSOCIATED AND HAVE BEEN MINOR IN MAGNITUDE. THE GEOMAGNETIC FIELD IS VERY QUIET.

B. CLASS M FLARES ARE EXPECTED FROM N07E71 AND N16W79.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 NOV/0400Z ENDING 19 NOV/0400Z.

CLASS M OR GREATER 50/50/50

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 15/1700Z AND 2000Z WERE 142 AND 138

RESPECTIVELY

SOLTERWARN

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KMSC

HAUS BOU 161710Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 447B ISSUED 1700Z 16 NOV 1969

ONLY MINOR CLASS C FLARES EXPECTED IN NEXT 7 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL WITH ONLY ONE SIGNIFICANT FLARE (REPORTED AS ONE BRIGHT AND SUB NORMAL) AT 0954Z--LOCATION N19W85. THE RETURNING PLAGE REGION IN THE NORTHEAST IS LARGE AND BRIGHT BUT NOT YET CONSIDERED AS COMPLEX.

B. AT LEAST ONE CLASS M FLARE IS EXPECTED FROM THE DEPARTING REGION IN NW FOR ANOTHER DAY. THE REGIONS IN THE NORTH EAST (N15E65) SHOULD BEGIN TO PRODUCE OCCASIONAL CLASS M FLARES WITHIN 36 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 NOV/1700Z ENDING 19 NOV/1700Z.

CLASS M OR GREATER 50/60/60

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 149. PREDICTED 152/158/162.

E. MAGNETIC A-FREDERICKSBURG FOR 15 NOV IS NOT AVAILABLE.

FOR 16 NOV ESTIMATED ABOUT 05. PREDICTED AP FOR 17-19 NOV 08/08/10.

SOLTERWARN

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