

#NNNN0355

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HAUS BOU 150400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 476A ISSUED 0400Z 15 DECEMBER 1969

CLASS M EVENTS ARE POSSIBLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 11 HOURS WITH ONLY A FEW NON ENERGETIC SUBFLARES HAVING BEEN OBSERVED. MOST ACTIVITY HAS BEEN FROM S14E43 AND N15E41. NEITHER OF THESE REGIONS HAS SHOWN MUCH GROWTH OR DEVELOPMENT. THE REGION AT S14E43 IS CLASSIFIED BY MT WILSON AS A BETA GAMMA WITH 2 DELTA CONFIGURATIONS WITHIN ITS STRUCTURE. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M FLARES ARE EXPECTED FROM S14E43 AND POSSIBLY FROM THE NORTH EAST REGIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15 DEC/0400Z ENDING 18 DEC/0400Z

CLASS M OR GREATER 70/70/70

CLASS X 20/20/20

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 14/1700Z AND 2000Z WERE 137 AND 138 RESPECTIVELY.

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HAUS BOU 151705Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 476B ISSUED 1700Z 15 DEC 1969

CLASS M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS.

A. A CLASS M FLARE (IMP IB) WAS OBSERVED AT 15/0616Z FROM THE COMPLEX REGION AT S15E35. THIS REGION IS A BETA GAMMA WITH TWO DELTA MAGNETIC CONFIGURATIONS, HAS SHOWN SPOT GROWTH TO THE WEST OF THE LEADER AND IS VERY BRIGHT IN H-ALPHA. THE NE COMPLEX OF REGIONS ARE ALL SIMPLE MAGNETICALLY, BUT THEY DO SHOW BRIGHT PLAGE WITH SOME FLUCUATIONS. THE REMAINING REGIONS ARE ALL STABLE. THE GEOMAGNETIC FIELD IS QUIET.

B. THE MAJORITY OF THE CLASS M FLARES DURING THE NEXT 3 DAYS SHOULD COME FROM THE S15E35 REGION. THE NE COMPLEX OF REGIONS IS NOT EXPECTED TO GROW.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15/1700Z ENDING 18/1700Z.

CLASS M OR GREATER 70/70/70

CLASS X 20/20/20

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 141. PREDICTED 145/152/158.

E. MAGNETIC A-FREDERICKSBURG FOR 14 DEC WAS 02. FOR 15 DEC ABOUT 05 PREDICTED AP FOR 16-18 DEC, 8/8/10.

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