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NNNN0355  
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KMSC

HAUS BOU 160400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 477A ISSUED 0400Z 16 DECEMBER 1969

CLASS M FLARES ARE POSSIBLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY DURING THE PAST 11 HOURS HAS MAINLY BEEN NON-ENERGETIC SUBFLARES. MOST ALL OF THE ACTIVITY HAS BEEN CONFINED TO THE REGION NOW AT N14E55. THE PLAGE IN THIS REGION IS BROKEN AND THE REGION HAS A SIMPLE MAGNETIC CONFIGURATION. THE REGION AT S12E30 WHICH WAS CLASSIFIED YESTERDAY BY MT. WILSON AS HAVING DELTA CONFIGURATION HAS BROKEN UP AND IS NOW A SIMPLE GROUP. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M FLARES ARE POSSIBLE FROM N14E55 AND S12E30. THE LATTER IS THE BRIGHTEST FEATURE ON THE DISK.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 DEC/0400Z ENDING 19 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 15/1700Z AND 2000Z WERE 140.

SOLTERWARN

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NNNN1708  
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KMSC

HAUS BOU 161700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 477B ISSUED 1700Z 16 DECEMBER 1969

CLASS M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS DECREASED DURING THE PAST 24 HOURS WITH  
THE LAST CLASS M FLARE /IMP SF/ AT 16/0800Z AT N15E29. THE  
DISK IS ESSENTIALLY UNCHANGED FROM 24 HOURS AGO. THE REGION  
AT S10E17 HAS BEEN VERY INACTIVE. THE NE COMPLEX OF REGIONS  
REMAIN MAGNETICALLY SIMPLE WITH WEAK SCATTERED PLAGE. THE  
GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. IT APPEARS THAT THE SOLAR ACTIVITY WILL SLOWLY BE DECREASING  
DURING THE NEXT THREE DAYS WITH ONLY AN OCCASIONAL CLASS M  
FLARE FROM THE S10E17 OR THE N14E47 REGIONS.

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

CLASS M OR GREATER 60/60/50

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 143. PREDICTED 150/155/158.

E. MAGNETIC A-FREDERICKSBURG FOR 15 DEC WAS 04. FOR 16 DEC ABOUT  
10. PREDICTED AP FOR 17-19 DEC 10/08/10.

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