

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 486A ISSUED 0400Z 25 DEC 1969  
EIGHT TINY REINDEER ARE EXPECTED IN THE NEXT 24 HOURS.  
A. ONLY CLASS C FLARES HAVE BEEN REPORTED IN THE LAST 11  
HOURS. THREE YOUNG REGIONS-S12W64 CMMA S18E12 AND N13E42-ARE  
NOW BIPOLEAR. THE LAST OF THESE REPRESENTS A FRESH OUTBREAK OF  
GROWTH IN AN OLD REGION. PROTON FLUXES ARE AT BACKGROUND, AND  
THE GEOMAGNETIC FIELD IS QUIET.  
B. BOTH WISHED FOR AND FORECAST-A MERRY CHRISTMAS CMMA A HAPPY  
NEW YEAR CMMA AND MAY ALL YOUR PROBABILITIES BE HIGH.  
C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 25 DEC/0400Z ENDING 28 DEC/0400Z.  
CLASS M OR GREATER 30/30/30  
CLASS X 05/05/05  
PROTON EVENTS 02/02/02  
D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 158. AT 2000Z IT WAS 156.  
SOLTERWARN

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HAUS BOU 251700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 486B ISSUED 1700Z 25 DECEMBER 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY IS AT A VERY LOW LEVEL WITH ONLY A FEW  
CLASS C FLARES BEING REPORTED. SPOT GROWTH HAS OCCURRED  
IN THE REGION AT S19W01 BUT ITS H-ALPHA PLAGE STRUCTURE IS  
WEAK. ALL OTHER REGIONS ARE UNIMPRESSIVE. THE GEOMAGNETIC  
FIELD IS SLIGHTLY DISTURBED.

B. ONLY A VERY FEW CLASS M FLARES ARE EXPECTED DURING THE  
NEXT 3 DAYS WITH MOST OF THEM OCCURRING FROM THE S11W18 AND  
S19W01 REGIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 25/1700Z ENDING 28/1700Z.

CLASS M OR GREATER 30/30/30

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX AT 1400Z WAS 160. PREDICTED 155/148/140.

E. MAGNETIC A-FREDERICKSBURG FOR 24 DEC WAS 09. FOR 25 DEC  
ABOUT 10. PREDICTED AP FOR 26-28 DEC 10/10/10.

SOLTERWARN

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