

NNNNULV  
PP KGFF  
DE BOU 101715Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 227A ISSUED 1700Z 10 APRIL 1969  
CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS  
A. A CLASS M EVENT, POSSIBLY A SMALL CLASS X EVENT,  
OCCURRED AT 10/0355Z. THIS EVENT WAS ASSOCIATED WITH A NE LIMB  
FLARE WHICH WAS CALLED A 2B FLARE BY ONE OBSERVATORY AND AS A  
BRIGHT SURGE BY TWO OTHER OBSERVATORIES. THIS EVENT PRODUCED  
A LARGE, COMPLEX 10 CM RADIO BURST, MODERATE IONOSPHERIC EFFECTS  
AND LARGE X-RAY PRODUCTION. AN IMPORTANCE 3 SPRAY OCCURRED AT  
NE22 AT 10/1056Z AND HAS SATURATED SOLRAD SATELLITE 1-8 ANGSTROM  
FLUX WITH VALUES GREATER THAN  $220 \times 10^{-4}$  ERGS PER CENTIMETER  
SQUARED PER SECOND FROM 10/1156Z ON THROUGH 10/1524Z. THIS MEANS  
WE HAVE A CONTINUOUS CLASS M EVENT SINCE 10/1156Z. THE NE LIMB  
REGIONS REMAINED VERY ACTIVE THE PAST 6 HOURS WITH CORONAL RAIN.  
B. THE VFPY ACTIVE CARRINGTON LONGITUDES OF PAST ROTATIONS ARE  
NOW STARTING THEIR EAST LIMB APPEARANCE. SOLAR ACTIVITY WILL  
BE INCREASING SHARPLY THE NEXT THREE DAYS.

FORECASTS FOR 11-13 APRIL

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
CLASS M OR GREATER 40/50/60  
CLASS X 20/30/40  
PROTON EVENTS 20/30/40  
D. OTTAWA 10.7 CM FLUX TODAY IS 148. PREDICTED 155/165/175.  
E. N/A.  
F. KP ESTIMATED FOR 12-15Z WAS 1. 24 HOUR FORECAST PER KP  
15.3; 2-2-2-2-2-2-2.

SOLTERWARN

BT

NNNNNUUV

PP KGFF

DE BOU 102300Z

THIS IS THE MESSAGE FOR RFFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 227B ISSUED 2300Z 10 APRIL 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. ONLY MINOR ACTIVITY HAS BEEN OBSERVED SINCE THE 1056Z LIMB EVENT. FOLLOWING THIS EVENT, THE 1-8A X-RAY FLUX REMAINED ABOVE 0.01 ERGS PER SQUARE CENTIMETER PER SECOND, THE THRESHOLD FOR CLASS M EVENTS, UNTIL SOMETIME BETWEEN 1849 AND 2035Z. CORONAL RAIN AND POSSIBLE LOOPS HAVE BEEN OBSERVED ON THE EAST LIMB NEAR NE20-30 SINCE THE ABOVE EVENT. NO MAJOR CHANGES HAVE OCCURRED IN REGIONS CURRENTLY ON DISK.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 227A.

E. MAGNETIC A-FREDEICKSBURG FOR 09 APP WAS 10. FOR 10 APR ABOUT 96. PREDICTED AP FOR 11-13 APR 12/10/10.

BT