

PP K6FF  
DE BOU 121300Z  
HERE IS THE MSG-108 PFILE

FROM SPACE DISTURBANCE FORECAST CENTER FSSA BOULDER COLO  
SDF NUMBER 229A ISSUED 1700Z 12 APRIL 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 6 HOURS.

A. ONLY CLASS C FLARES HAVE BEEN REPORTED IN THE LAST 18 HOURS.  
A PROTON EVENT, POSSIBLY RESULTING FROM A FLARE BEHIND EAST LIMB  
AT 16/1056Z, BEGAN GRADUALLY. IT IS LISTED AS IN PROGRESS AT  
11/2100Z, BUT MAY HAVE REGUN AS EARLY AS 14Z. RIOMETER ABSORPTION  
IS CURRENTLY 7DB AT THUFL ON 30MHZ. BOTH HIGH AND LOW ENERGY  
PROTONS ARE ENHANCED AT SATELLITE HEIGHTS. THE GEOMAGNETIC FIELD  
IS QUIET.

B. CLASS M FLARES ARE EXPECTED FROM THE DELTA CONFIGURATION AT  
S06E33. CLASS M FLARES ARE EXPECTED FROM N20E90 AS RETURNING  
REGIONS TRANSIT EAST LIMB. GEOMAGNETIC DISTURBANCE IS EXPECTED.

FORECASTS FOR 13-15 APRIL

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 60/80/87

CLASS X 30/40/40

PROTON EVENTS 30/40/40

D. OTTAWA 10.7 CM FLUX TODAY IS 155. PREDICTED 165/175/185.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 2. KP FORECAST FOR NEXT 24  
HOURS PER KP 15.3; 2-2-2-2-2-2-2.

BT

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UUV  
PP KGFF  
DE BOU 122319Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 229B ISSUED 2300Z 12 APRIL 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 18 HOURS.

A. FLARE ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 6  
HOURS. THE PROTON EVENT IN PROGRESS IS CURRENTLY SHOWING 3.6 DB  
APSOPTION AT THULE ON 30 MHZ RIOMETERS. MAGNETOMETERS SHOW A  
SUDDEN COMMENCEMENT 12/2053Z. THE MAGNETIC FIELD IS EXPECTED TO  
BECOME DISTURBED DURING THE FORECAST PERIOD.

B. THE REGION WHICH PRODUCED ACTIVITY BEYOND THE EAST LIMB 10/1052Z  
HAS NOT RETURNED TO VISIBLE DISK. THE REGION WHICH PRODUCED PCA ON  
28 FEBRUARY 1969 SHOULD NOW BE VISIBLE BUT NO SPOTS HAVE BEEN  
RECORDED. THE ACTIVITY MAY HAVE BEEN PRODUCED BY A NEW REGION.

SECTIONS C AND D REMAIN UNCHANGED FROM SDF 229A.

E. MAGNETIC A-FREDERICKSBURG FOR 11 APRIL WAS .77. FOR 12 APRIL  
ABOUT 15. PREDICTED AP FOR 13-15 APRIL 20/20/10.

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