

NNNNUV  
PP KGFF  
DE BOU 091745Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 983A ISSUED 1700Z AUGUST 09 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT WQW HOURS.

A. HIGHLIGHTS FOR THE WEEK AUGUST 1-9, 1968 CLN THREE BRIGHT  
IMPORTANCE TWO FLARES WERE REPORTED DURING THE WEEK, HAT 0240  
AND 0350 UT AUGUST 3 AND 1600UT AUGUST 8, IN A REGION NOW  
LOCATED NEAR N12W07, AND WERE CHARACTERIZED BY MODERATE TO  
STRONG IONOSPHERIC EFFECTS /X-RAYS/HAND RADIO NOISE EMISSION.  
SINCE ITS EAST LIMB PASSAGE THE N12W07 REGION HAS POSSESSED  
A LARGE CENTRAL PENUMbra CONTAINING SEVERAL UMBRAE, AND  
SCATTERED SMALL SPOTS OUTSIDE THE CENTRAL PENUMbra. ITS CLASS/  
AREA HAS BEEN ESSENTIALLY STEADY AT ABOUT C/750. SINCE AUGUST  
6 IT HAS BEEN REPORTED AS A MAGNETIC GAMMA WITH A STRONG DELTA  
CONFIGURATION. POSSIBLE LOOP PROMINENCES HAVE BEEN REPORTED IN  
THIS REGION TODAY, AND AN IMPORTANCE 1B FLARE OCCURRED THERE  
AT 1606Z TODAY. THE TWO REGION AT N14W36 AND N07W38 ON AUGUST  
2, BOTH DECLINED UNTIL WEST LIMB PASSAGE WITHOUT PRODUCING  
ADDITIONAL FLARES LARGER THAN IMPORTANCE ONE.

B. HFORECAST FOR THE WEEK AUGUST 10-16, 1968 CLN FURTHER MAJOR  
ACTIVITY FROM THE COMPLEX CENTER NOW NEAR N12W07 IS POSSIBLE  
TODAY BUT ITS PROBABILITY SHOULD DECLINE THEREAFTER. PROTONS  
ARE NOT EXPECTED FROM FLARES IN THIS REGION. WITHIN THE NEXT  
THREE DAYS THE RATE OF PRODUCTION OF EVEN IMPORTANCE ONE FLARES  
SHOULD DECLINE RAPIDLY. TWO PREVIOUSLY ACTIVE LONGITUDES ARE  
DUE TO RETURN. IN ADDITION OBSERVATIONS AT THE LIMB COUPLED WITH  
COSMIC RAY DATA FROM PIONEER 6 SPACECRAFT INDICATE THAT NO  
NEWLY DEVELOPED OR RECENTLY ACTIVE REGIONS WILL ROTATE ONTO THE  
DISK DURING THE WEEK.

C. H28 DAY FORECAST FOR AUGUST 10-SEPTEMBER 7, 1968 CLN ALTHOUGH  
THIS INTERVAL SHOULD BE CHARACTERIZED BY A LOW LEVEL OF ACTIVITY,  
SEPTEMBER 7 WILL MARK THE BEGINNING OF ANOTHER ENHANCED PERIOD.

D. THE DAILY FORECAST FOR AUGUST 10-12 AND EXPECTED MEAN FORECAST  
FOR AUGUST 13-16, 1968

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 10-5-2 /2/

IMPORTANCE THREE OR GREATER 2-1-1 /1/

PROTON EVENTS 1-1-1 /1/

OTTAWA 10.7HCM FLUX TODAY IS 145. PREDICTED 135-133-130 /125/.

BT

NNNN

NNNNUV

PP NGFF

- DE BOU 092300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 983B ISSUED 2300Z AUG 9 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12HOURS.

A. NO ADDITIONAL SIGNIFICANT FLARE ACTIVITY HAS OCCURRED IN THE  
N11W11HREGION SINCE THE 1B FLARE AT 1608Z TODAY. THE REGION STILL  
CONTAINS A DELTA SPOT GROUP AND THE PLAGUE REMAINS BRIGHT AND  
FLUCTUATING.

B. MAJOR FLARES ARE POSSIBLE BUT NOT EXPECTED FROM THE N11W11  
REGION.

SECTIONS C AND D REMAIN UNCHANGED FROM SDF 983A.

E. MAGNETIC A-FREDERICKSBURG FOR AUG 8 WAS 14. FOR AUG 9 ABOUT 11.  
PREDICTED AP FOR 10-12HAUG 15-20/10-15/8-12.

BT

11 12