

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 1305HUT AUGUST 8, HIN 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 1608Z 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. HNO 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. H23 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 143. PREDICTED 135-133-130 /125/.

BT

NNNN

NNNNVV

PP KGFF

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 12HHOURS.

A. HNO ADDITIONAL SIGNIFICANT FLARE ACTIVITY HAS OCCURRED IN THE
N11W11HREGION SINCE THE 1B FLARE AT 1608Z TODAY. HTHE REGION STILL
CONTAINS A DELTA SPOT GROUP AND THE PLAGE 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. HNMAGNETIC A-FREDERICKSBURG FOR AUG 3HVAS 14. HFOR AUG 9 ABOUT 11.
PREDICTED AP FOR 10-12HAUG 15-20/10-15/8-12.

BT

11 12