

NNNNUUUV
PP KGFF
DE BOU 121715Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 954A ISSUED 1700Z JULY 12 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. HIGHLIGHTS FOR THE PERIOD JULY 04-12, 1968 CLN SOLAR ACTIVITY INCREASED SHARPLY DURING THE ABOVE PERIOD. THE LARGE, COMPLEX ACTIVE CENTER CURRENTLY LOCATED NEAR N13E10 PRODUCED IMPORTANCE 2B FLARES AT THE FOLLOWING TIMES CLN 06/BEFORE 0945, 09/1808 AND 12/0000 UT. AN IMPORTANCE 3B EVENT OCCURRED AT 08/1703 UT. THIS LAST FLARE WAS ACCOMPANIED BY INTENSE CENTIMETER, DECIMETER, AND METER WAVELENGTH RADIO NOISE BURSTS. GROUND-BASED X-RAY SENSORS INDICATED ONLY MODERATE STRENGTH IONOSPHERIC EFFECTS. THE REGION RESPONSIBLE FOR THE ABOVE ACTIVITY WAS BORN ONLY A FEW DAYS PRIOR TO ITS APPEARANCE AT THE EAST LIMB. LOOP PROMINENCES WERE VISIBLE 6 JULY AS THE CENTER ROTATED INTO VIEW. FOUR DAYS LATER IT REACHED MAXIMUM DEVELOPMENT WITH A CLASS/AREA OF F/1260 AND MAGNETIC DELTA CONFIGURATIONS IN BOTH THE LEADING AND FOLLOWING PORTIONS. NO POLAR CAP ABSORPTION EVENTS WERE DETECTED, ALTHOUGH HIGH-ENERGY PARTICLE SENSORS ON BOARD THE PIONEER 7 AND 8 SPACECRAFT SHOWED CONSIDERABLE COUNTING RATE ENHANCEMENTS THROUGHOUT THIS PERIOD. A MINOR MAGNETIC DISTURBANCE BEGAN AT 09/2157Z AND CONTINUED FOR APPROXIMATELY 30 HOURS.

B. FORECAST FOR THE WEEK JULY 13-19, 1968 CLN SPORADIC MAJOR FLARES ARE CONSIDERED HIGHLY PROBABLE DURING THE REMAINDER OF THE N13E10 CENTERS DISK PASSAGE.

C. 28 DAY FORECAST FOR JULY 13-AUGUST 10, 1968 CLN SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A HIGH LEVEL DURING THE PERIODS JULY 13-19 AND AUGUST 6-12.

D. THE DAILY FORECAST FOR JULY 13-15 AND EXPECTED MEAN FORECAST FOR JULY 16-19, 1968

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 30-35-35 /15/

IMPORTANCE THREE OR GREATER 10-10-10 /10/

PROTON EVENTS 1-1-1 /1/

10.7 CM FLUX TODAY IS 157. PREDICTED 164/164/158 /153/

BT

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NNNNUUUV
PP KGFF
DE BOU 122300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 954B ISSUED 2300Z JULY 12 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. ONLY MINOR FLARES HAVE OCCURRED SINCE SDF 954A.

B. THE REGION NEAR N12E03 APPEARS TO BE RELATIVELY STABLE AT THE
PRESENT TIME. IT DOES NOT APPEAR TO BE A SOURCE OF MAJOR FLARES
FOR NEXT 12 HOURS. THE 2 REGIONS NEAR N12W20 AND N12E03 MAY PRODUCE
FLARES OF IMP 2 OR LESS FOR THE SAME PERIOD.

FORECASTS FOR JULY 13-15

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 30-35-35

IMPORTANCE THREE OR GREATER 10-10-10

PROTON EVENTS 1-1-1

SECTION D REMAINS UNCHANGED FROM SDF 954A.

E. MAGNETIC A-FREDERICKSBURG FOR 11 JULY WAS 10. FOR 12 JULY ABOUT
8. PREDICTED AP 8-9-13

BT