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

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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 ACCCOMPANIED 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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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

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