

NNNUUV
PP KGFF
DE BOU 031745Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 977A ISSUED 1700Z AUGUST 03 1968

NO MAJOR FLARES ARE EXPECTED DURING THE NEXT 6 HOURS.

A. AN IMPORTANCE 2B FLARE BEGAN ABOUT 0310UT IMMEDIATELY SOUTH OF THE LARGE RETURNING CENTER OF ACTIVITY NEAR N12E70. MODERATE STRENGTH CENTIMETER WAVELENGTH NOISE BURSTS AND IONOSPHERIC EFFECTS ACCCOMPANIED THE EVENT. SATELLITE DETECTORS OF HARD AND SOFT X-RAY FLUXES CONFIRMED THE REPORTED IMPORTANCE OF THIS OPTICAL EVENT AS WELL AS ITS TIMES OF ONSET AND MAXIMUM. NO POLAR CAP ABSORPTION WAS ANTICIPATED AND NO SUCH PARTICLE EVENT HAS BEEN DETECTED BY GROUND BASE SENSORS. THE HYDROGEN PLAGE ASSOCIATED WITH THE N12E70 SPOT GROUP HAS NOW CLEARED THE LIMB. IT IS NOT BRIGHT AT THIS TIME BUT DOES CONTAIN A WELL DEFINED FILAMENT SOUTH OF THE MAIN SPOT. IN THE SW QUADRANT, I.E. NEAR S21W40, THE SMALL CLUSTER OF SPOTS WHICH APPEARED SUDDENLY AUG. 2 HAS GROWN SLIGHTLY. ALL REMAINING GROUPS HAVE INDICATED LITTLE CHANGE FROM YESTERDAY.

- B. BASED ON THE CASE HISTORIES OF SIMILAR ACTIVE CENTERS ONE OR MORE IMPORTANCE TWO FLARES ARE EXPECTED FROM THE DEVELOPING N12 E70HREGION WITHIN THE NEXT 3HDAYS. MOREOVER NO PARTICLE EVENTS ARE ANTICIPATED FROM THIS PREDICTED ACTIVITY. THE DECAYING SPOT GROUP PRESENTLY CENTERED NEAR N13W51 STILL HAS THE POTENTIAL TO PRODUCE FLARES AS LARGE AS IMPORTANCE ONE.

FORECAST FOR AUGUST 04-06

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 10/50/45

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. OTTAWA 10.7HCM FLUX TODAY IS 138. PREDICTED 141/143/146.

BT

NNNUUV
PP KGFF
DE BOU 032300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 977B ISSUED 2300Z AUG 3 1968

MAJOR FLARES ARE NOT EXPECTED DURING THE NEXT 12 HOURS.

A. THE REGION NEAR N13E75 HAS NOT CHANGED SIGNIFICANTLY SINCE SDF 977A. THERE IS STILL A STRONG FILAMENT SOUTH OF THE LARGE MAIN SPOT. LACK OF SIGNIFICANT LIMB ACTIVITY BEHIND THIS REGION INDICATES THERE IS NO ADDITIONAL ACTIVE PLAGE TO ROTATE ON THE DISK. THE PLAGE IS STILL AT NORMAL BRIGHTNESS AS IT HAS BEEN SINCE 0600Z. THE REGION NEAR S22W41 HAS BRIGHTENED PLAGE BUT THE REGION HAS NOT GROWN FURTHER.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 977A.

E. MAGNETIC A-FREDERICKSBURG FOR AUG 2 WAS 2. FOR AUG 3 ABOUT 12.
PREDICTED AP 11-9-15.

BT

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