

UUV
PP KGFF
DE BOU 241725Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 059A ISSUED 1700Z OCTOBER 24 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. AN IMPORTANCE 2B FLARE BEGINNING AT ABOUT 2355Z AND LOCATED
AT S15E60 HAD ASSOCIATED IONOSPHERIC EFFECTS AND MODERATE
INTENSITY COMPLEX RADIO NOISE EMISSIONS. THE REGION IN WHICH
THE FLARE OCCURRED HAS WELL-ORDERED PLAGE AND A MAGNETICALLY
COMPLEX STRUCTURE WITH MORE SPOTS BECOMING VISIBLE. THE H-PLAGE
IN THE LARGE REGION AT N16W15 IS LESS BRIGHT AND THE INTER-
MEDIATE SPOTS ARE EVOLVING INTO A CLEANER STRUCTURE. THE REGION
NOW NEAR S04W40 HAS SHOWN CONSIDERABLE GROWTH IN WHITE LIGHT
SINCE YESTERDAY AND IS NOW CLASS D. THE S17E13 REGION HAS THE
BRIGHTEST PLAGE ON THE DISK.

B. THE S16E52 REGION IS STILL DEVELOPING AND MUST BE REGARDED
AS A PROBABLE SOURCE OF MORE MAJOR FLARES. THE CHARACTERISTICS
OF THE REGION INDICATE THAT SUCH FLARES WOULD PRODUCE AT LEAST
MODERATE TERRESTRIAL EFFECTS. THE N16W15 REGION STILL IS CAPABLE
OF MAJOR FLARES BUT NONE ARE EXPECTED THERE.

FORECASTS FOR OCTOBER 25-27

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 45/45/45
IMPORTANCE THREE OR GREATER 10/10/10
PROTON EVENTS 5/5/5

D. OTTAWA 10.7 CM FLUX TODAY IS 175. PREDICTED 178/180/182.

BT

NNNUUV

PP KGFF

DE BOU 242300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 059B ISSUED 2300Z OCT 24 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. A RAPIDLY DISAPPEARING FILAMENT WAS FOLLOWED BY AN IMPORTANCE 1B FLARE COMMENCING 2100Z AT S18E54. A TYPE II DEKAMETRIC BURST COMMA FOLLOWED BY WEAK CONTINUUM WAS ASSOCIATED WITH THIS FLARE. IMPORTANCE 2 PROBABLE LOOPS WERE OBSERVED ON THE DISC FOLLOWING THIS FLARE COMMA AND THE FILAMENT REAPPEARED IN ITS PREVIOUS LOCATION.

MODERATE IONOSPHERIC EFFECTS WERE OBSERVED. THE REGION AT E50S16 HAS DISPLAYED SOME SPOT GROWTH AND BRIGHTENING OF THE ASSOCIATED PLAGE. ADDITIONAL SPOTS ARE VISIBLE IN THE REGION NORTH OF THE LEADER AT E08S17.

B. THE REGION AT S15E50 DOES NOT APPEAR TO HAVE DISSIPATED ITS POTENTIAL COMMA DESPITE ITS PRODUCTION IN THE LAST 24 HOURS. IT IS THE MAJOR FLARE REGION ON THE DISC COMMA ALTHOUGH THE REGION AT S05W42 SHOULD BE REGARDED AS A SOURCE OF SMALLER FLARES FOR THE NEXT 36 HOURS. THE REGION AT N15W16 APPEARS RELATIVELY DORMANT.

SECTION C REMAINS UNCHANGED FROM SDF 059A.

D. OTTAWA 10.7 CM FLUX TODAY IS 173. PREDICTED 180/180/175.

E. MAGNETIC A-FREDERICKSBURG FOR OCT 23 WAS 2. FOR OCT 24 ABOUT 4. PREDICTED AP FOR OCT 25-27 UNDER 10/UNDER 10/10-15.

BT