

NNNNUV
PP KGFF
DE BOU 251720Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 060A ISSUED 1700Z OCTOBER 25 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. HIGHLIGHTS FOR THE PERIOD OCTOBER 17-24, 1968 CLN IMPORTANCE 2B FLARES OCCURRED AT 21/1715Z AND 23/2352Z. THE EARLIER EVENT ORIGINATED FROM WITHIN THE MOST COMPLEX REGION ON THE DISK, AND APPROXIMATELY MARKED THE END OF A 3-DAY PERIOD IN WHICH NUMEROUS IMPORTANCE ONE FLARES WERE PRODUCED THERE. SINCE IT FIRST ROTATED INTO VIEW OCT. 17 THIS REGION, NOW NEAR N15W29 HAS EXHIBITED A NEARLY SYMMETRIC DEVELOPMENT CURVE WITH THE SPOT GROUP REACHING A MAXIMUM OF 900 MILLIONTHS ON OCT. 19. IT HAD DECLINED TO E/400 ON OCT. 24. THE 23/2352Z EVENT OCCURRED NEAR A MUCH SIMPLER STRUCTURED REGION THEN LOCATED NEAR S16E60. IT INITIATED A SERIES OF LESSER FLARES FROM ITS PARENT REGION. THE SPOT GROUP WITHIN THIS REGION, NOW NEAR S15E37, MEASURED D/400 MILLIONTHS ON OCT. 24. PCA DID NOT FOLLOW EITHER FLARE. AN UNUSUAL IMPORTANCE 1B OCCURRED IN THIS REGION AT 24/2050Z. IT WAS CHARACTERIZED BY A RELATIVELY STRONG MAJOR RADIO BURST WHICH HAD A GRADUAL ONSET AT METER WAVELENGTHS, TYPE II EMISSION AT DEKAMETER WAVELENGTH, A RELATIVELY INTENSE BUT VERY GRADUAL X-RAY EMISSIONS WITH ACCOMPANYING IONOSPHERIC EFFECTS.

B. FORECAST FOR THE WEEK OCTOBER 26-NOVEMBER 1, 1968 CLN THE REGION NEAR N15W29 IS NOW DEFINITELY DECAYING AND IS NOT LIKELY TO PRODUCE FLARES AS LARGE AS IMPORTANCE 2. THE S15E37 REGION HAS INCREASED IN MAGNETIC COMPLEXITY SINCE YESTERDAY AND CAN BE EXPECTED TO PRODUCE ADDITIONAL IMPORTANCE 1 AND OCCASIONAL IMPORTANCE 2 FLARES DURING THIS WEEK. REGIONS WHICH SHOULD RETURN TO NE AND SE LIMBS TOMORROW ARE NOT EXPECTED TO BE ACTIVE.

C. 28-DAY FORECAST FOR OCTOBER 26-NOVEMBER 22, 1968 CLN SOLAR ACTIVITY SHOULD BE HIGHER THAN NORMAL OCTOBER 26-NOVEMBER 4.

D. DAILY FORECAST FOR OCTOBER 26-28 AND EXPECTED MEAN FORECAST FOR OCTOBER 29-NOVEMBER 1, 1968 CLN

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 45-45-40 /30/

IMPORTANCE THREE OR GREATER 10-10-8 /5/

PROTON EVENTS 10-10-10 /8/

OTTAWA 10.7 CM FLUX TODAY IS 174. PREDICTED 176-177-175 /168/.

BT

NNNUV

PP KGFF

DE BOU 252315Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 060B ISSUED 2300Z OCT 25 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. ONLY MINOR FLARE ACTIVITY HAS BEEN OBSERVED IN THE LAST 24 HOURS.
THERE IS SOME EVIDENCE OF INCREASING COMPLEXITY IN THE SPOTS CENTERED S15E34, BUT PLAGE BRIGHTNESS IS UNCHANGED, AND FEW PERTURBATIONS HAVE BEEN REPORTED. THE H-PLAGE AT S17E03 IS THE BRIGHTEST ON THE DISK, BUT APPEARS INACTIVE. THE N16W21 REGION IS STILL DECLINING. ALL OF THE ABOVE REGIONS APPEAR ENHANCED AT 3MM RADIO WAVELENGTH, WITH SUBSTANTIAL GRADIENTS IN THE TWO SOUTHERN REGIONS. MINOR ACTIVITY ON THE NORTHEAST LIMB MAY INDICATE THE PRESENCE OF AN ACTIVE REGION BEHIND THE LIMB. A NEW SPOT AT N19E16, ALSO VISIBLE AT 3MM, REQUIRES WATCHING.

B. THE REGIONS AT N16W21 AND S17E03 APPEAR CAPABLE OF PRODUCING MINOR FLARES. THE S15E34 REGION APPEARS CAPABLE OF MAJOR FLARES.
SECTION C REMAINS UNCHANGED FROM SDF 060A.

D. OTTAWA 10.7 CM FLUX TODAY IS 174. PREDICTED 180/175/170.

E. MAGNETIC A-FREDERICKSBURG FOR OCT 24 WAS 6. FOR OCT 25 ABOUT 6.
PREDICTED AP FOR OCT 26-28 UNDER 10/10-15/10-15.

BT

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