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PP KGFF
DE BOU 191735Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 902A ISSUED 1700Z MAY 19 1968

A MAJOR FLARE IS POSSIBLE DURING THE NEXT 12 HOURS.

A. HA POSSIBLE IMPORTANCE 1B FLARE WAS OBSERVED AT 0359Z FROM THE
F/590 REGION NOW LOCATED NEAR S28E19. ASSOCIATED X-RAY AND RADIO
NOISE BURSTS WERE MINOR. LITTLE CHANGE HAS TAKEN PLACE IN THIS
GROUPS STRUCTURE OR AREA. MODERATE DECIMETER-WAVELENGTH BURSTS
ACCOMPANIED AN IMPORTANCE 1B EVENT AT 1227 UT IN THE LARGE S16E42
SPOT GROUP. ALTHOUGH SLIGHTLY SMALLER THAN THE S28 COMPLEX CMMA
THIS POTENTIALLY ACTIVE CENTER CONTAINS THE BRIGHTEST AND MOST
COMPACT HYDROGEN PLAGE ON THE DISK. SINCE SUNRISE A MASSIVE NUMBER
OF TYPE III BURSTS FORMING A CONTINUUM HAVE BEEN DETECTED FROM
ABOUT 22 TO 41 MHZ ON THE BOULDER SWEEP-FREQUENCY RADIOMETER. ONLY
WITHIN THE LAST HOUR HAS THIS STRONG RADIATION BEGUN TO DECLINE.

B. HTHE REGION CURRENTLY NEAR S16E42 CONTAINS THE MOST WELL-
DEVELOPED LEADER AND FOLLOWER ON THE DISK. A MAJOR FLARE IS
CONSIDERED LIKELY FROM THIS COMPLEX DURING THE NEXT 12 HOURS.
IMPORTANCE ONE FLARES ARE EXPECTED FROM BOTH THE S16E42 AND S28E19
SPOT GROUPS AS WELL AS FROM THE DECLINING REGION NEAR N24E47.

FORECASTS FOR MAY 20-22

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 15/5/2

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. OTTAWA 10.7 CM FLUX TODAY 181. PREDICTED 180/178/179.

BT

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DE BOU 192300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 902B ISSUED 2300Z MAY 19 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. THE STRONG DECA-METRIC CONTINUUM REPORTED EARLIER TODAY HAS ENDED. SHORT-LIVED GROUPS OF TYPE III BURSTS HAVE ACCOMPANIED MOST OF THE SUBFLARE ACTIVITY DURING THE PAST 6 HOURS.

B. INTEREST HAS SHIFTED TO THE FOLLOWING PORTION OF THE REGION NEAR S28E16 RATHER THAN THE S13E39. THE SUBFLARE AND IMPORTANCE ONE EVENTS ANTICIPATED DURING THE NEXT 12 HOURS ARE EXPECTED TO OCCUR ALONG THE WELL-DEFINED NEUTRAL LINE EVIDENT THERE. A MINOR MAGNETIC DISTURBANCE IS EXPECTED TO BEGIN LATE ON MAY 21 AND CONTINUE FOR 24 HOURS.

SECTIONS C AND D REMAIN UNCHANGED FROM SDF 902A.

E. MAGNETIC A-FREDERICKSBURG FOR MAY 18 WAS 12. FOR MAY 19 ABOUT 08. PREDICTED AP UNDER 10/UNDER 10/15-20.

BT

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