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PP KGFF
DE BOU 121700Z
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 382A ISSUED 1700Z 12 SEPTEMBER 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT SIX HOURS.

A. HIGHLIGHTS FOR THE PERIOD 04-11 SEPTEMBER 1969 CLN

THE SUN CONTINUED TO BE RELATIVELY INACTIVE AND UNIMPRESSIVE.

MCMATH PLAGE REGION 289 PRODUCED TWO SMALL CLASS M EVENTS AT
05/0046Z AND 05/2208Z. TWO OTHER SMALL CLASS M EVENTS, AT 07/1020Z
AND 08/0840Z, FOR WHICH NO OPTICAL FLARES WERE REPORTED, WERE
PROBABLY RELATED TO LIMB ACTIVITY ASSOCIATED WITH EITHER THE
WEST-LIMB PASSAGE OF MCMATH REGION 289 OR THE EAST-LIMB PASSAGE OF
A REGION CURRENTLY LOCATED NEAR S19E48(MCMATH PLAGE 309). THE PIONEER
VI AND VII SPACECRAFT, WHICH ARE OBSERVING THE EASTERN SECTOR OF THE
INVISIBLE DISK, DETECTED A LOW-ENERGY (LESS THAN 13 MEV) PROTON
ENHANCEMENT WHICH BEGAN 06 SEPTEMBER AND INTENSIFIED ON 09 SEPTEMBER.
THIS EVENT SUGGESTS THAT ACTIVITY IS ENHANCED IN SOME REGION
CURRENTLY ON THE INVISIBLE DISK. A MINOR GEOMAGNETIC DISTURBANCE
OCCURRED 06-08 SEPTEMBER.

B. FORECAST FOR THE WEEK 13-19 SEPTEMBER 1969 CLN

ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL WITH INFREQUENT CLASS
M FLARES FROM MCMATH REGION 309. NO SIGNIFICANT REGIONS ARE EXPECTED
TO RETURN UNTIL 17 SEPTEMBER WHEN MCMATH REGION 283 SHOULD RE-
APPEAR AT THE EAST LIMB NEAR N12. A MINOR GEOMAGNETIC STORM IS
EXPECTED TO BEGIN 17-18 SEPTEMBER AND INTENSIFY ON 19-20 SEPTEMBER.

28-DAY FORECAST FOR 13 SEPTEMBER - 11 OCTOBER 1969 CLN

SOLAR ACTIVITY IS EXPECTED TO BE SLIGHTLY ENHANCED 17-24 SEPTEMBER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 12 SEPT/1700Z ENDING 15/1700Z.

CLASS M OR GREATER 30/30/30

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 118.

E. N/A

F. KP ESTIMATED FOR 1200-1500Z WAS 2. KP FORECAST FOR NEXT 24
HOURS PER KP 15.3; 2/2/2/2/2/2/2/2.

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THIS MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 382B ISSUED 2300Z 12 SEPTEMBER 1969

CLASS C FLARES ARE EXPECTED IN THE NEXT 18 HOURS.

A. GROWTH IS APPARENT IN THE REGION AT S19E38, AND IN THE REGION AT S08E41. THIS LATTER REGION HAS BEEN THE SOURCE OF A NUMBER OF SUB-FLARES, ALL CLASS C. ONE FLARE OF M-ENERGY WAS REPORTED BEGINNING 12/1507Z FROM THE S32W41 REGION. THE GEOMAGNETIC FIELD IS QUIET, ALTHOUGH A BAY WAS OBSERVED BEGINNING 12/1835Z.

SECTIONS B AND C REMAIN UNCHANGED FROM SDF 382A.

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 119. PREDICTED 123/126/136.

E. MAGNETIC A-FREDERICKSBURG FOR 11 SEPT WAS 09. FOR 12 SEPT ABOUT 11. PREDICTED AP FOR 13-15 SEPT 10/10/15.

BT