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KMSC

HAUS BOU 290400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 460A ISSUED 0400Z 29 NOVEMBER 1969

CLASS C FLARES ARE EXPECTED IN THE NEXT 13 HOURS.

A. THE WEST LIMB PASSAGE OF THE TWO REGIONS YESTERDAY WAS ACCOMPANIED BY TWO LARGE SOLAR ERUPTIONS. BSL ACTIVITY AND LOOPS WERE OBSERVED DURING THE DAY. THE FIRST OF THESE 28/1445Z WAS CLASSIFIED AN X EVENT. THE SECOND 28/1950Z MAY ALSO HAVE BEEN AN X EVENT JUDGING FROM THE IONOSPHERIC EFFECTS. THESE EVENTS WERE EVIDENTLY FLARES BUT ONLY THE LOOPS AND SURGES WERE EVIDENT TO OBSERVERS. ALL OTHER REGIONS ON THE DISK ARE QUIET. THE GEOMAGNETIC FIELD IS ONLY SLIGHTLY DISTURBED.

B. SOLAR ACTIVITY IS NOW LOW AND WILL PROBABLY REMAIN LOW FOR NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 NOV/0400Z ENDING 02 DEC/0400Z

CLASS M OR GREATER 30/30/30

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX 28/1700Z AND 2000Z WERE 168 AND 161 RESPECTIVELY

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 460B ISSUED 1700Z 29 NOVEMBER 1969

CLASS C FLARES ARE EXPECTED IN THE NEXT 11 HOURS

A. THE LIMB EVENT BEGINNING BEFORE 28/1950Z WAS A CLASS X
EVENT. ANOTHER LIMB EVENT OF ONLY SLIGHTLY SMALLER MAGNITUDE,
BEGAN 29/1041Z. THIS LATTER EVENT WAS DESCRIBED AS HAVING
A WATER-FOUNTAIN-LIKE APPEARANCE, WITH BRIGHT MATERIAL
OBSERVABLE OUT TO 0.3 SOLAR RADII. BOTH EVENTS LED TO LOOP
FORMATION. ELSEWHERE, MINOR GROWTH IS REPORTED IN THE N22E16
AND N12E11 REGIONS. CLASS C FLARES HAVE BEEN REPORTED FROM THE
FIRST OF THESE REGIONS. THE GEOMAGNETIC FIELD IS SLIGHTLY
DISTURBED. PROTON FLUXES NEAR EARTH ARE AT BACKGROUND.

B. WEST LIMB ACTIVITY, WHICH HAS BEEN SPECTACULAR IN APPEARANCE,
BUT MINOR IN GEOPHYSICAL SIGNIFICANCE, SHOULD CEASE TODAY. ONLY
MINOR FLARE ACTIVITY EXPECTED FROM DISK REGIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 29 NOV/1700Z ENDING 02 DEC/1700Z.

CLASS M OR GREATER 20/25/25

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 146. PREDICTED 138/132/127.

E. MAGNETIC A-FREDERICKSBURG FOR 28 NOV WAS 08. FOR 29 NOV
ABOUT 09. PREDICTED AP FOR 30 NOV-02 DEC 10/08/05.

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