

HFUS BOU 290500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 272A ISSUED 0500Z 29 SEPT 1971

AS AN UPPER LIMIT ON ACTIVITY ONE OR TWO FLARES HIGH ON THE
CLASS C SCALE ARE EXPECTED TODAY.

A. DISK ACTIVITY HAS BEEN MINIMAL SINCE THE LAST MESSAGE. ONLY
REGION 278 /S05E31/ DISPLAYS ANY SIGNS OF DEVELOPMENT. THE
NEW FEATURE JUST INSIDE THE EAST LIMB NEAR N13 /NUMBER 280/ HAS
NOT FLARED SINCE ABOUT 1430Z YESTERDAY AND THERE ARE CURRENTLY
NO HINTS THAT IT WILL ERUPT IN THE NEXT FEW HOURS AT MORE THAN
A CLASS C LEVEL. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 29 SEPT/0000Z ENDING 01 OCT/2400Z.

CLASS M OR GREATER 30/35/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 272B ISSUED 2200Z 29 SEP 1971

ONLY NON-ENERGETIC FLARES EXPECTED.

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL. ALL NON-ENERGETIC FLARES REPORTED THE PAST 24 HOURS OCCURRED IN REGION 278 /S05 E20/. THIS REGION HAS BECOME A SIMPLE BIPOLE. REGION 280 IS A BETA WITH DELTA CONFIGURATION. AT PRESENT, THE DELTA CONFIGURATION IS NOT TYPICAL OF A FLARE RICH REGION; AS EXEMPLIFIED BY A WEAK ATTENDANT PLAGE STRUCTURE. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. WITHOUT A STRUCTURAL CHANGE IN REGION 280, SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. THE GEOMAGNETIC FIELD WILL BE QUIET UNTIL THE NEW SECTOR IS REACHED AT WHICH TIME THE FIELD WILL BE ACTIVE TO UNSETTLED. THE SECTOR IS ANTICIPATED BY 30/0600Z BUT MAY BE DELAYED BY AS MUCH AS 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30 SEP/0000Z ENDING 02 OCT/2400Z.

CLASS M OR GREATER 30/35/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 29/1400Z, 29/1700Z AND 29/2000Z WERE 115, 116 AND 114 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 30 SEP-02 OCT IS 117/119/120.

E. MAGNETIC A-FREDERICKSBURG FOR 28 SEP WAS 09. FOR 29 SEP ABOUT 04. PREDICTED AP FOR 30 SEP-02 OCT IS 20/13/10.

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