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HFUS BOU 250500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 268A ISSUED 0500Z 25 SEPTEMBER 1971

THE MOST ENERGETIC EVENT THAT CAN BE EXPECTED TODAY IS A SINGLE,
SMALL CLASS M FLARE.

A. FEW OBSERVATIONS HAVE BEEN POSSIBLE SINCE LOCAL SUNSET DUE TO
OVERCAST SKIES AT THE MANILA AND CARNARVON SITES. YESTERDAY'S
INFREQUENT CLASS C ACTIVITY WAS CAPPED BY AN IMPORTANCE 2F EVENT
FROM REGION 277 NEAR S15E80 (FLARE LOCATION). START TIME WAS
24/2245Z FOR THIS APPARENTLY LARGE BUT NON-ENERGETIC ERUPTION. THERE
MAY BE NO FOLLOWER TO 277 AS THE VISIBLE PORTION WAS LAST OBSERVED
APPROXIMATELY 14 DEGREES INSIDE THE LIMB AND STILL NO TRAILING SPOTS
WERE DISCERNABLE. AT LAST REPORT DISK FEATURE 273 (S14E13) RETAINS
ITS MIXED POLARITIES - A BETA-GAMMA CONFIGURATION REPRESENTING ONLY
A VERY SMALL GRADIENT IN B. BOTH LOW AND HIGH LATITUDE MAGNETOMETERS
REFLECT QUIET GEOMAGNETIC CONDITIONS.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 25 SEPT/0000Z ENDING 27 SEPT/2400Z
CLASS M OR GREATER 50/45/40

CLASS X 02/02/02

PROTON EVENTS 10/10/05

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 268B ISSUED 2200Z 25 SEPT 1971

CLASS C FLARES EXPECTED.

A. FREQUENT MINOR FLARES AND LIMB ACTIVITY HAVE BEEN REPORTED.

ALL HAVE BEEN RELATIVELY NON-ENERGETIC WITH NO SIGNIFICANT TERRESTRIAL X-RAY OR RADIO EFFECTS REPORTED. THERE HAS BEEN SOME SMALL NEW GROWTH IN REGION 273/N13W02/. OTHERWISE THERE HAVE BEEN NO SIGNIFICANT DISK DEVELOPMENTS. A MAGNETIC DISTURBANCE BEGAN GRADUALLY ABOUT 24/1700Z. MAXIMUM K AT FREDERICKSBURG WAS 5 BETWEEN 24/0300Z AND 24/0600Z.

B. CONTINUED MINOR FLARES ARE EXPECTED WITH A SMALL CHANCE OF SIGNIFICANT WEST LIMB ACTIVITY. THE MAGNETIC DISTURBANCE IS EXPECTED TO LESSEN TOMORROW WITH MID-LATITUDE K VALUES MOSTLY TWO OR THREE AND INCREASE AGAIN ON 27 SEPT WITH K AGAIN REACHING 4 OR 5.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26/0000Z ENDING 28/2400Z.

CLASS M OR GREATER 40/35/25

CLASS X 02/02/02

PROTON EVENTS 10/10/05

D. OTTAWA 10.7 CM FLUXES FOR 25/1400Z, 25/1700Z AND 25/2000Z WERE 109, 109 AND 107 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 26-28 SEPT IS 105/102/100.

E. MAGNETIC A-FREDERICKSBURG FOR 24 WAS 03. FOR 25 ABOUT 19 PREDICTED AP FOR 26-28 SEPT, 10/24/20.

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