

HXUS BOU 230500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 266A ISSUED 0500Z 23 SEPT 1971

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST SEVEN HOURS, AND NO ENERGETIC EVENTS HAVE BEEN REPORTED. REGIONS 262 (N12W66) AND 263 (S10W54) HAVE CONTINUED TO DECLINE. SLOW DEVELOPMENT IS UNDERWAY IN SMALL BIPOLAR REGION 275 (N17E42), BUT NO SIGNIFICANT MAGNETIC COMPLEXITY IS EVIDENT THERE SO FAR.

SURGE ACTIVITY HAS CONTINUED NEAR SE05, WHERE AT LEAST ONE ACTIVE CENTER IS ABOUT TO CROSS THE LIMB. NO RADIO OR X-RAY BURSTS HAVE ACCOMPANIED ANY OF THE SURGES RECENTLY OBSERVED ON THE SOUTHEAST LIMB. EXCEPTIONALLY QUIET GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST SEVEN HOURS.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 SEPT/0000Z ENDING 25 SEPT/2400Z.

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 08/08/05

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HFUS BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER MELO

SDF NUMBER 266B ISSUED 2200Z 23 SEP 1971

CLASS C FLARES ARE EXPEC

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A. ALL THE DISK FEATURES ARE SIMPLE MAGNETICALLY AND NOT EXPECTED TO PRODUCE ANY ENERGETIC FLARES. THE RETURNING REGION NEAR SE05 WILL HAVE LIMB PASSAGE DURING THE NEXT 18 HOURS. NUMEROUS SURGES, TO IMPORTANCE 3, HAVE BEEN OBSERVED FROM THIS REGION. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE MINOR MAGSTORM ANTICIPATED IN RESPONSE TO THE BEHIND THE WEST LIMB PROTON EVENT OF 1 SEPTEMBER HAS NOT MATERIALIZED IN THE NORMAL TIME SPAN. THE SOLAR EVENT APPARENTLY HAS DISRUPTED THE INTERPLANETARY SECTOR BOUNDARY WHICH HAD BEEN ASSOCIATED WITH THE REGION PRODUCING THE EVENT. THE APPARENT NEW SECTOR BOUNDARY IS NOW IN A FAVORABLE POSITION TO PRODUCE A SHORT PERIOD OF ACTIVE GEOMAGNETIC CONDITIONS DURING THE NEXT 12-18 HOURS, A SECOND SECTOR BOUNDARY APPEARS TO BE APPROXIMATELY 48 HOURS BEHIND THIS BOUNDARY.

B. THE REGION APPROACHING THE SE LIMB MAY BE A POTENTIAL SOURCE FOR CLASS M FLARES. THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE TO UNSETTLED.

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

CLASS M OR GREATER 40/50/50

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 23/1400Z, 23/1700Z AND 23/2000Z WERE 107, 107 AND 107 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 24-26 SEP IS 112/117/124.

E. MAGNETIC A-FREDERICKSBURG FOR 22 SEP WAS 03. FOR 23 SEP ABOUT 02 PREDICTED AP FOR 24-26 SEP, 18/06/14.

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