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HXUS BOU 090500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 282A ISSUED 0500Z 09 OCT 1971

NO ENERGETIC ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST SEVEN HOURS, AND NO FLARES HAVE BEEN REPORTED.

REGION 296 (N09W05) HAS DEVELOPED SLIGHTLY, BUT IT RETAINS ITS SIMPLE BIPOLAR STRUTURE. LITTLE SIGNIFICANT CHANGE HAS OCCURRED IN OTHER REGIONS. UNSETTLED 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 BEINNING 09 OCT/0000Z ENDING 11 OCT/2400Z.

CLASS M OR GREATER 20/20/30

CLASS X 01/01/02

PROTON EVENTS 02/04/05

NOTE-EFFECTIVE 10 OCTOBER 1971 THE SPACE ENVIRONMENT FORECAST CENTER WILL ISSUE ONLY ONE REGULAR SUMMARY AND FORECAST MESSAGE PER DAY AT 2200 UT. A SUPPLEMENTARY MESSAGE WILL BE ISSUED AT 1400-1500 UT WHEN SIGNIFICANT ACTIVITY HAS OCCURRED BETWEEN 2200 AND 1500 UT. PLEASE ADVISE US IF THIS CHANGE ADVERSELY AFFECTS YOUR USE OF OUR MESSAGES.

SOLTERWARN

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KBOU

HFUS BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 282B ISSUED 2200Z 09 OCT 1971

MINOR FLARES EXPECTED

A. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY A FEW CLASS C SUBFLARES SCATTERED OVER THE DISK. FILAMENT ACTIVITY AROUND N11E68 WAS ACCOMPANIED BY CHROMOSPHERIC ACTIVITY AFTER 10/1400Z. MINOR SURGE ACTIVITY HAS BEEN REPORTED AROUND NE10 WHERE A PAIR OF SMALL REGIONS ARE DUE TO RETURN. THE GEOMAGNETIC FIELD HAS REMAINED ACTIVE.

B. THE ONLY POTENTIAL SOURCE OF SIGNIFICANT ACTIVITY ON THE SUN IS REGION 280 /N11W75/. CHARACTERISTICALLY, ACTIVITY IN THE NEUTRAL LINE FILAMENT IN REGION 280 WOULD SIGNAL FLARE ACTIVITY THAT COULD RANGE TO MODERATE CLASS M INTENSITY- MOST LIKELY IN 24-48 HOURS. MINOR FLARES IN THE OTHER DISK REGIONS ARE NOT LIKELY TO BE MORE THAN CLASS C INTENSITY. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN DISTURBED DURING LOCAL NIGHT TIME PERIODS FOR THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 10/0000Z ENDING 12/2400Z.

CLASS M OR GREATER 20/30/30

CLASS X 02/02/02

PROTON EVENTS 05/10/10

D. OTTAWA 10.7 CM FLUXES FOR 09/1400Z, 09/1700Z AND 09/2000Z WERE 98, 100 AND 98 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 10-12 OCT IS 100/98/95.

E. MAGNETIC A-FREDERICKSBURG FOR 08 OCT WAS 20. FOR 09 ABOUT 22 PREDICTED AP FOR 10-12 OCT, 22/20/18.

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