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HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 303 ISSUED 2200Z 30 OCTOBER 1971

SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH A CHANCE OF ENERGETIC LIMB EVENTS.

A. SOLAR ACTIVITY HAS BEEN LOW EXCEPT FOR NEAR CONTINUOUS PROMINENCE AND SURGE ACTIVITY AT SE05-10. NO REGION IS DUE TO RETURN TO THE SOUTH EAST BUT THAT LOCATION IS THE SITE OF PREVIOUSLY ACTIVE FILAMENTS. LOW FREQUENCY RADIO SPIKES INDICATE ACTIVITY BEYOND ONE OF THE LIMBS--MOST LIKELY BEYOND SE10 OR POSSIBLY OVER NW09-19. A NEW REGION IS GROWING AT S16E03 (NO. 321) BUT IS NOT EXPECTED TO PRODUCE ENERGETIC FLARES DURING ITS DISK PASSAGE UNLESS ITS LEADER GROWS SUFFICIENTLY TO INTERACT WITH THE FOLLOWER OF NEARBY REGION 320 (S12E04). THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

B. THE AREA OVER THE SOUTHEAST LIMB HAS PRODUCED SOME CLASS M FLARES DURING PREVIOUS ROTATIONS AND IS THE SITE OF SCATTERED OLD MAGNETIC FIELDS. IF A NEW REGION HAS GROWN THERE IT WILL HAVE A HIGH PROBABILITY OF PRODUCING CLASS M FLARES, OTHERWISE NO SIGNIFICANT ACTIVITY IS EXPECTED. THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE DURING LOCAL NIGHT TIME PERIODS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 OCT/0000Z ENDING 02 NOV/2400Z

CLASS M OR GREATER 20/25/25

CLASS X 01/01/01

PROTON EVENT 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 30/1400Z, 1700Z AND 2000Z WERE 109, 109 AND 110. PREDICTED 10.7 CM FLUXES FOR 31 OCT-02 NOV ARE 110/110/110.

E. MAGNETIC A-FREDERICKSBURG FOR 29 OCT WAS 18. FOR 30 OCT ABOUT 12. PREDICTED AP FOR 31 OCT-02 NOV ARE 10/10/12.

SOLTERWARN

SPAN

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