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HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 362 ISSUED 2200Z 28 DEC 1971

THE LULL IN SOLAR ACTIVITY IS EXPECTED TO CONTINUE.

A. ONCE AGAIN MORE REGIONS THAN FLARES CHARACTERIZED THE DISK. NO ENERGETIC EVENTS HAVE BEEN RECORDED SINCE THE TWO SMALL M FLARES ON CHRISTMAS DAY. ALL SIX DISK FEATURES ARE DULL IN H-ALPHA AND POSSESS A SIMPLE STRUCTURE BOTH IN MONOCHROMATIC AND WHITE LIGHT. MOREOVER, IT APPEARS THAT NO ACTIVE CENTER EXISTS ONE OR TWO DAYS BEHIND THE EAST LIMB WHICH WAS CONSIDERED LIKELY IN THE PREVIOUS MESSAGE. SINCE ABOUT 1200Z YESTERDAY THE LOCAL MAGNETOMETER HAS EXHIBITED AN UNUSUALLY QUIET TRACE. THESE NEARLY CLASSIC QUIET-DAY H AND D CURVES ARE BEING RECORDED AT HIGH LATITUDES AS WELL.

B. THE CURRENT SUNSPOT MINIMUM CONDITIONS ARE EXPECTED TO PERSIST THROUGH THE NEXT THREE DAYS. BASED UPON RECURRENCES, A 12-DAY PERIOD OF A-INDICES LESS THAN OR EQUAL TO 10 HAS APPARENTLY BEGUN. RECURRENCE MAY BE VALID FORECASTING TOOL IN THIS INSTANCE DUE TO THE PAUCITY OF ENERGETIC FLARES DURING THE PAST ROTATION.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 DEC/0000Z ENDING 31 DEC/2400Z.

CLASS M OR GREATER 25/20/15

CLASS X 02/01/01

PROTON EVENT 02/01/01

D. OTTAWA 10.7 CM FLUXES FOR 28/1400Z, 1700Z AND 2000Z WERE 119, 117 AND 115. PREDICTED 10.7 CM FLUXES FOR 29-31 DEC ARE 118/113/112.

E. MAGNETIC A-FREDERICKSBURG FOR 27 DEC WAS 04. FOR 28 DEC ABOUT 02. PREDICTED AP FOR 29-31 DEC ARE 06/02/03.

SOLTERWARN

SPAN

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