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HFUS BOU 282240

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 332 ISSUED 2200Z 28 NOVEMBER 1971

ABOUT ONE CLASS C EVENT PER HOUR SHOULD CHARACTERIZE FLARE FREQUENCY AND ENERGETICS DURING THE NEXT 24 HOURS.

A. THE MOST ACTIVE DISK FEATURE HAS BEEN THE DECAYING D TYPE GROUP CENTERED NEAR N14W14. A SUB BRIGHT FLARE OF M1 X-RAY ENERGY OUTPUT WAS OBSERVED THERE TODAY BEGINNING 1141Z. THIS 27 MINUTE EVENT APPARENTLY MARKS AN UPPER LIMIT ON FLARE ACTIVITY UP TO MESSAGE TIME. WITHIN THE SCATTERED FRAGMENTS OF REGION 354 /S16W06/ A NUMBER OF SPOTS IN THE LEADING PORTION HAVE COALESCED WHILE AT THE SAME TIME THE MIXTURE OF MAGNETIC FIELD POLARITIES APPARENT YESTERDAY HAS VANISHED. NO NEW SPOT GROUPS ARE IN EVIDENCE ACROSS THE DISK. MOREOVER, BOTH THE HIGH LATITUDE AND LOCAL MAGNETOMETER TRACES ARE REFLECTING NEAR QUIET DAY CURVES.

B. A WELL DEFINED KINK IN THE NEUTRAL LINE OF REGION 355 /N14W14/ SUGGESTS THAT THIS SITE WILL BE THE CENTER OF ACTIVITY FOR THE NEXT 24 HOURS. EVENTS OCCURRING WITHIN THE FORECAST PERIOD ARE NOT EXPECTED TO EXCEED A PEAK 1-8A FLUX OF  $3 \times 10^{-2}$  ERGS/CM<sup>2</sup>/SEC.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 NOV/0000Z ENDING 01 DEC/2400Z.

CLASS M OR GREATER 80/60/80

CLASS X 20/15/20

PROTON EVENT 10/12/15

D. OTTAWA 10.7 CM FLUXES FOR 28/1400Z, 1700Z AND 2000Z WERE 131, 132 AND 132. PREDICTED 10.7 CM FLUXES FOR 29 NOV-01 DEC ARE 131/128/129.

E. MAGNETIC A-FREDERICKSBURG FOR 27 NOV WAS 05. FOR 28 NOV ABOUT 09. PREDICTED AP FOR 29 NOV-01 DEC ARE 12/18/09.

SOLTERWARN

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