

HFUS BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 331 ISSUED 2000Z 27 NOV 1971

A MODERATE LEVEL OF ACTIVITY IS EXPECTED.

A. SOLAR ACTIVITY HAS BEEN MODERATE. A FLARE TENTATIVELY CLASSIFIED M1 BEGAN ABOUT 27/1606Z IN REGION 355 /N14W01/. BOTH REGION 355 AND THE SOUTH-CENTRAL COMPLEX AROUND REGION 354 /S16W00/ SEEM TO HAVE PEAKED IN AREAL DEVELOPMENT. THE ONLY SIGN INDICATING FURTHER GROWTH IS THE ELEMENTARY SUPER-GRANULE FORM OF THE SPOTS IN REGION 358 /S09W04/. THE GEOMAGNETIC FIELD HAS BEEN FAIRLY QUIET.

B. A MODERATE LEVEL OF ACTIVITY IS EXPECTED FROM REGIONS 355 AND 354. EITHER ONE SHOULD PRODUCE TWO TO THREE FLARES OF SIZE M5 TO X2 ALONG WITH FREQUENT SMALLER FLARES UP TO SMALL CLASS M. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET UNTIL LATE ON NOV 28 OR 29 WHEN A SLOW RISE IN ACTIVITY SHOULD ACCOMPANY PASSAGE OF A SECTOR BOUNDARY. A DELAYED PARTICLE EVENT MAY FOLLOW THE BOUNDARY.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 NOV/0000Z ENDING 30 NOV/2400Z.

CLASS M OR GREATER 80/80/80

CLASS X 20/20/20

PROTON EVENT 15/20/25

D. OTTAWA 10.7 CM FLUXES FOR 27/1400Z, 1700Z AND 2000Z WERE 134, 130 AND 131. PREDICTED 10.7 CM FLUXES FOR 28-30 NOV ARE 135/135/135.

E. MAGNETIC A-FREDERICKSBURG FOR 26 NOV WAS 13. FOR 27 NOV ABOUT 04. PREDICTED AP FOR 28-30 NOV ARE 09/12/18.

SOLTERWARN

SPAN

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