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HFUS BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 319 ISSUED 2200Z 15 NOV 1971

OCCASIONAL CLASS C EVENTS ARE EXPECTED

A. SOLAR ACTIVITY HAS INCREASED DURING THE PAST 24 HOURS. NUMEROUS SUBFLARES AND A CLASS M2 ONE-BRILLIANT FLARE HAVE BEEN PRODUCED BY REGION 342 /S13E46/. THE 1B FLARE OCCURRED AT 15/0945Z AND WAS ACCCOMPANIED BY WEAK CENTIMETER-WAVELENGTH BURSTS AND MODERATE SHORT-WAVE FADE. REGION 342 CONTAINS A C-TYPE SPOT GROUP WITH A LARGE LEADER. THE NEUTRAL LINE IS SHAPED SOMEWHAT LIKE A U INVERTED OVER THE LEADER AND OPEN TO THE SOUTH. SUGGESTING THAT TRAILING POLARITIES MAY EXIST TO THE NORTH AND WEST OF THE LEADER, AS WELL AS TO THE EAST. OTHER REGIONS ARE UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED VERY QUIET.

B. DURING THE THREE-DAY FORECAST PERIOD, REGION 342 IS EXPECTED TO PRODUCE OCCASIONAL CLASS C FLARES AND ONE OR TWO SMALL CLASS M EVENTS. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN RELATIVELY QUIET.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 NOV/0000Z ENDING 18 NOV/2400Z.

CLASS M OR GREATER 45/45/40

CLASS X 05/05/03

PROTON EVENT 01/01/02

D. OTTAWA 10.7CM FLUXES FOR 15/1400Z 1700Z AND 2000Z WERE 106, 103 AND 104. PREDICTED 10.7CM FLUXES FOR 16-18 NOV ARE 108/109/109.

E. MAGNETIC A-FREDERICKSBURG FOR 14 NOV WAS 01. FOR 15 NOV ABOUT 0. PREDICTED AP FOR 16-18 NOV ARE 04/05/07.

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