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HFUS BOU 262230

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 330 ISSUED 2200Z 26 NOV 1971

AN INCREASING LEVEL OF ACTIVITY IS EXPECTED.

A. NO ENERGETIC EVENTS HAVE BEEN OBSERVED ON THE SUN. REGION 354 /S15E07/ HAS INCREASED H-ALPHA PLAGE AREA AND A MORE COMPLEX SPOT STRUCTURE. REGION 358 /S08E11/ HAS GROWN EXTENSIVELY AND ITS PLAGE FILLS THE PREVIOUS SPACE BETWEEN REGIONS 354 AND 353 /S08E02/. COMPACT PLAGE NOW EXTENDS CONTINUOUSLY OVER THE THREE REGIONS AND THE CONTINUED PRESENCE OF ARCH FILAMENTS INDICATE STILL MORE GROWTH OCCURRING. REGION 355 /N15E14/ CONTINUES TO EVOLVE SLOWLY. TEN CM RADIO FLUX HAS INCREASED ABOUT 10 FLUX UNITS THE PAST 24 HOURS-PROBABLY REFLECTING THE GROWTH IN THE SOUTHEAST QUADRANT. THE GEOMAGNETIC FIELD HAS BEEN LESS DISTURBED.

B. AN INCREASING LEVEL OF BOTH FLARE FREQUENCY AND INTENSITY IS EXPECTED IN REGIONS 354/358/353, EVENTUALLY REACHING LARGE CLASS M OR SMALLER CLASS X. ACTIVITY IN REGION 355 WILL PROBABLY BE MORE SPORADIC BUT SHOULD INCREASE MORE-OR-LESS ALONG WITH THE ACTIVITY IN THE SOUTH. THE FLARES IN REGION 355 HAVE A HIGHER CHANCE OF BEING CLASS X. REGION 342 /S13 WEST LIMB/ IS NEARLY OUT OF SIGHT BUT THE EARTH IS STILL VULNERABLE TO WEST LIMB PARTICLE EVENTS. THE GEOMAGNETIC FIELD SHOULD REMAIN UNSETTLED TO ACTIVE DURING LOCAL NIGHTTIMES DURING THE NEXT SEVERAL DAYS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 NOV/0000Z ENDING 29 NOV/2400Z.

CLASS M OR GREATER 80/85/85

CLASS X 10/15/20

PROTON EVENT 15/15/20

D. OTTAWA 10.7 CM FLUXES FOR 26/1400Z AND 1700Z WERE 133 AND 135. PREDICTED 10.7 CM FLUXES FOR 27-29 NOV ARE 135/135/135.

E. MAGNETIC A-FREDERICKSBURG FOR 25 NOV WAS 30. FOR 26 NOV ABOUT 13. PREDICTED AP FOR 27-29 NOV ARE 015/012/012.

SOLTERWARN

SPAN