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HFUS BOU 162200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 350 ISSUED 2200Z 16 DECEMBER 1971
REGARDING THE NEXT 24 HOURS- NO EVENTS MORE ENERGETIC THAN C8 ARE EXPECTED.

A. LESS THAN 10 FLARES MAKE UP THE EVENT LOG FOR THE 16TH AT MESSAGE TIME. MOST OF TODAY'S ACTIVITY HAS BEEN CONFINED TO THE SE LIMB WHERE AN H TYPE REGION LEADING BRIGHT PLAGE ROTATED INTO VIEW. NEAR CONTINUOUS SURGES ARE OCCURRING THERE ALONG A 4-DEGREE WIDE SECTION OF THE LIMB CENTERED NEAR S14. A BRIGHT MOUND APPEARED ABOUT 1617Z, WHICH IN THE OPINION OF THE CANARY ISLAND OBSERVER, COULD HAVE BEEN A LIMB FLARE. THE TWO MOST PROMINENT REGIONS- 371 AND 376- SHOW DEFINITE SIGNS OF DECAY IN WHITE LIGHT, H-ALPHA AND 9.1CM. MORE SPECIFICALLY, REGION 371 HAS REDUCED TO A UNIPOLAR SPOT, WHILE 376 CONSISTS OF THREE SMALL PENUMBRAL SEGMENTS. NUMBER 384 /NO8E52/ IS THE ONLY FEATURE OUT OF THE 10 VISIBLE EXHIBITING SIGNS OF GROWTH. GEOMAGNETICALLY A SMALL SUDDEN COMMENCEMENT /12 GAMMAS ON THE H TRACE AT BOULDER/ OCCURRED AT 16/1907Z. IT IS APPARENTLY NOT BEING FOLLOWED BY FLUCTUATIONS OF STORM LEVEL PROPORTIONS.

B. A SMALL, SHORT-LIVED INCREASE IN THE FLARE FREQUENCY AND ENERGETICS IS ANTICIPATED AS A RESULT OF THE NEW GROUP JUST INSIDE THE SE LIMB. MOREOVER, THE GEOMAGNETIC FIELD SHOULD REMAIN AT LEAST UNSETTLED THROUGHOUT THE NEXT 48 HOURS; A RECURRENT MINOR STORM SHOULD BEGIN ON THE 19TH.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 DEC/0000Z ENDING 19 DEC/2400Z.

CLASS M OR GREATER	55/40/25
CLASS X	05/02/01
PROTON EVENT	02/02/01

D. OTTAWA 10.7CM FLUXES FOR 16/1400Z 1700Z AND 2000Z WERE 123, 122 AND 120. PREDICTED 10.7CM FLUXES FOR 17-19 DECEMBER ARE 122/125/127.

E. MAGNETIC A-FREDERICKSBURG FOR 15 DECEMBER WAS 02. FOR 16 DECEMBER ABOUT 02. PREDICTED AP FOR 17-19 DECEMBER ARE 02/09/15.

SOLTERWARN
SPAN