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HFUS BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 348 ISSUED 2200Z 14 DECEMBER 1971

AN ISOLATED M EVENT IS POSSIBLE WITHIN THE NEXT 24 HOURS  
FROM EITHER OR BOTH OF THE REGIONS NUMBERED 371 AND 376.

A. AN MI FLARE /OPTICAL IMPORTANCE 1N/ REPRESENTS THE MOST  
ENERGETIC EVENT REPORTED TODAY. ITS PARTICULARS AS OBSERVED  
BY THE CANARY ISLAND SITE WERE THE FOLLOWING CLN ONSET  
14/0910Z, MAXIMUM 0911Z, POSITION N09E20 /REGION 371/, AND  
DURATION ABOUT 35 MINUTES. MOREOVER, A DARK SURGE APPEARED  
NEAR THE WESTERN SIDE OF THE LARGE TRAILER AT 0925Z. THE BI-  
POLAR REGION, NAMELY 371, IS CURRENTLY THE MOST ACTIVE OF  
THE FIVE DISK FEATURES. IT ALONG WITH REGION 376 /N18E23/ ARE  
THE LARGEST GROUPS - ONES WITH NEARLY HORIZONTAL NEUTRAL  
LINES, ABOUT 8 DEGREES LONGITUDINAL SPREAD, AND THE MOST  
INTENSE BRIGHTNESS CONTOURS AT 284A, 8.6 MM, AND 9.1 CM.  
ALONG THE LIMB A COMBINATION SURGE/SPRAY WAS REPORTED BY  
CARNARVON NEAR A S23E90 POSITION. THIS FAINT ERUPTION BEGAN  
AT 14/0925Z AND ATTAINED A MAXIMUM RADIAL EXTENT OF APP-  
ROXIMATELY 0.4 SOLAR RADIUS. DURING THE DAY BOTH HIGH AND  
LOW LATITUDE GEOMAGNETIC TRACES HAVE REFLECTED NEAR QUIET  
DAY RESPONSES.

B. NO MORE THAN TWO LOW LEVEL M EVENTS ARE EXPECTED TO OCCUR  
WITHIN THE FORECAST PERIOD. QUIET GEOMAGNETIC CONDITIONS  
SHOULD ALSO PREVAIL.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS  
BEGINNING 15 DEC/0000Z ENDING 17 DEC /2400Z.

CLASS M OR GREATER 50/40/40

CLASS X 05/05/02

PROTON EVENT 05/05/02

D. OTTAWA 10.7 CM FLUXES FOR 14/1400Z 1700Z AND 2000Z  
WERE 121, 124 AND 124. PREDICTED 10.7 CM FLUXES FOR 15-17  
DECEMBER ARE 119/120/125.

E. MAGNETIC A-FREDERICKSBURG FOR 13 DECEMBER WAS 11. FOR 14  
DECEMBER ABOUT 02. PREDICTED AP FOR 15-17 DECEMBER ARE 06/05/03.

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