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HFUS BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 155 ISSUED 2200Z 03 JUNE 1972

A. A SN/1N OPTICAL FLARE MAXING AT 02/2133Z IN REGION 219  
WAS AN M1 X-RAY FLARE. SMALL MICROWAVE BURSTS ACCCOMPANIED  
THIS EVENT. A 1B FLARE BEGAN AT 03/1402Z IN REGION 210.  
OPTICALLY THE FLARE WAS SEGMENTED WITH MULTIPLE RESPONSES.  
A FLARE STREAMER CROSSED THE PENUMBRA, FOLLOWING THE NEUTRAL  
LINE THRU THE DELTA CONFIGURATION. IT WILL BE A SMALL  
CLASS M X-RAY EVENT. A SIMPLE BURST OF APPROXIMATELY 200  
F.U. AT 2700 MHZ, PEAK AT 1410Z AND IMP 2 SIDS ACCOMPANIED  
THIS EVENT. REGION 210 /N10W56/ HAS ONLY ONE PENUMBRA  
FORMING A GAMMA DELTA. ADDITIONAL SPOTS HAVE EMERGED ON THE  
NORTH SIDE OF THE PENUMBRA. THE SE COMPLEX OF REGIONS 217  
/S14E21/, 219 /S07E23/ AND 222 /S06E33/ RETAINS ITS CONNECTING  
NEUTRUL LINE AND ITS POTENTIAL FOR SMALL CLASS M EVENTS.  
REGION 226 /N08E50/ HAS AN ODD STRUCTURE IN H ALPHA AND  
POSSIBLY CONTAINS TWO EMERGING BIPOLEAR SETS. THIS REGION  
SHOULD BE WATCHED AS POTENTIAL SITE FOR INCREASING FLARE  
ACTIVITY. THE FILAMENT MENTIONED IN SDF NO 154 DISAPPEARED  
IN TIME INTERVAL 02/2100-2400Z, NOT OBSERVED DUE TO  
INCLEMENT WEATHER. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

B. ISOLATED CLASS M EVENTS ARE PROBABLE FROM REGIONS  
MENTIONED ABOVE DURING NEXT 72 HOURS. THE GEOMAGNETIC  
FIELD IS EXPECTED TO BE QUIET TO UNSETTLED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE  
24 HOUR PERIODS BEGINNING 04 JUN/0000Z ENDING 06 JUN/2400Z.

CLASS M OR GREATER 80/70/80

CLASS X 10/05/05

PROTON EVENTS 15/10/20

D. OTTAWA 10.7CM FLUXES FOR 03/1400Z, 03/1700Z, AND 03/2000Z  
WERE 134, 137 AND 136 RESPECTIVELY.

PREDICTED 10.7CM FLUX FOR 04-06 JUN IS 133/135/132.

E. MAGNETIC A-FREDERICKSBURG FOR 02 JUN WAS 07. FOR 03 JUN  
ABOUT 13. PREDICTED AP FOR 04-06 JUN, 06/10/14.

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