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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/IN OPTICAL FLARE MAXING AT 02/2133Z IN REGION 219 WAS AN M1 X-RAY FLARE. SMALL MICROWAVE BURSTS ACCOMPANIED 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 BIPOLAR 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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