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HFUS BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 296 ISSUED 2200Z 23 OCT 1971

ABOUT ONE M EVENT IN THE M2 TO 5 RANGE CAN BE EXPECTED TO MARK AN UPPER LIMIT ON FLARE ENERGETICS DURING THE NEXT 24 HOURS.

A. ROUGHLY SIX NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED SINCE THE PREVIOUS MESSAGE - THREE FROM WITHIN THE MASSIVE N10W27 GROUP AND THREE INSIDE THE RAPIDLY EVOLVING FEATURE NEAR N18E01. NUMBER 306 (N10W27), NOW A TYPE E OF 1240 MILLIONTHS AREA, HAS BEEN THE SCENE OF MUCH REORGANIZATION IN WHITE LIGHT IN THE CENTRAL PORTION, WHILE IN H-ALPHA THE EXTENT OF BRIGHT PLAGE IS MUCH REDUCED. ON THE OTHER HAND MARKED GROWTH HAS CHARACTERIZED 308 (N10E01). DARK ABSORPTION FEATURES AND ACTIVE ARCH FILAMENTS ARE BRIDGING THE GAP BETWEEN LEADER AND FOLLOWERS OF THIS D-TYPE FEATURE.

THE H AND D TRACES HAVE DISPLAYED MINOR FLUCTUATIONS (UP TO K EQUAL THREE) SINCE ABOUT MIDDAY.

B. NO CHANGE

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 24 OCT/0000Z ENDING 26 OCT/2400Z.

CLASS M OR GREATER 50/50/75

CLASS X 05/05/20

PROTON EVENTS 05/05/20

D. OTTAWA 10.7 CM FLUXES FOR 23/1400Z, 23/1700Z AND 23/2000Z WERE 124, 125 AND 124 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 24-26 OCT IS 124/121/121.

E. MAGNETIC A-FREDERICKSBURG FOR 22 OCT WAS 08. FOR 23 OCT ABOUT 07 PREDICTED AP FOR 24-26 OCT, 15/09/03.

SOLTERWARN

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