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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

BT