

HFUS 1 BOU 172200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 138  
JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 17 MAY 1980

IA. SOLAR ACTIVITY WAS MODERATE DURING THE PAST 24 HOURS.  
REGION 2455 (N15E13) HAS SHOWN GOOD GROWTH IN AREA AND  
COMPLEXITY AND PRODUCED TWO M-CLASS X-RAY EVENTS; (1) M3/SB  
AT 0741Z (MAX) AND (2) M1/SB AT 1017Z. OTHER REGIONS PRODUCING  
FLARES TODAY INCLUDE 2438 (S16W64), 2456 (S13E34) AND A  
SPOTLESS UNNUMBERED REGION AT N26E34. OLD REGION 2420 HAS  
RETURNED ON THE EAST LIMB AT S21 AND WILL PROBABLY BE NUMBERED  
TOMORROW WHEN WE CAN GET A BETTER LOOK AT IT. IT DISPLAYED  
SOME SURGE ACTIVITY TODAY AND COULD POSSIBLY BE A NICE REGION.  
IB. SOLAR ACTIVITY WILL CONTINUE AT MODERATE LEVELS. REGION  
2455 OFFERS THE BEST CHANCE OF A MAJOR FLARE.  
ID. GEOMAGNETIC ACTIVITY HAS BEEN QUIET AND SHOULD CONTINUE  
TO BE QUIET FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 18 MAY - 20 MAY

CLASS M 70/70/70

CLASS X 05/05/05

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAY 205

PREDICTED 18-20 MAY 206/205/206

90-DAY MEAN 17 MAY 189

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 MAY 03

ESTIMATED AFR/AP 17 MAY 01/07

PREDICTED AFR/AP 18-20 MAY 04/08 - 05/10 - 05/08

SOLTERWARN

BT

*Should have mentioned M2  
at 16/2233Z  
Region 2456  
Pat M. Smith*