

FUS 3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 144

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 24 MAY 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100  
TO 24/2100Z: SOLAR ACTIVITY HAS BEEN LOW WITH ONLY AN OCCASIONAL  
LOW LEVEL CLASS C FLARE OCCURRING. EXCEPT FOR THE LARGE LEADER  
SPOT, REGION 4183 (N18W15) HAS CONTINUED TO DECAY, AND  
SIMPLIFY, IN ITS STRUCTURE. REGION 4187 (S18E26) IS SLOWING ITS  
GROWTH PHASE AND REMAINS A FLAIN BIPOLAR GROUP. OTHER DISK  
REGIONS ARE SIMPLE IN STRUCTURE. REGION 4192 (S15E08) WAS ADDED  
TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z:  
THE GEOMAGNETIC FIELD WAS AT ACTIVE TO STORM LEVEL UNTIL 1600Z  
AT WHICH TIME THE MAIN PHASE OF A MAJOR STORM BEGAN. SOURCE OF  
THIS STORM IS UNCERTAIN AS NO SIGNIFICANT FLARE OR FILAMENT  
DISRUPTION OCCURRED IN THE APPROPRIATE TIME FRAME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE CURRENT STORM IS  
EXPECTED TO ABATE NEAR 1200Z. HOWEVER, THE FIELD IS EXPECTED TO  
BE ACTIVE WITH PERIODS AT MINOR STORM LEVEL THROUGHOUT THE  
BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25 MAY-27 MAY

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAY 137

PREDICTED 25 MAY-27 MAY 135/133/130

90 DAY MEAN 24 MAY 125

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 MAY 036/043

ESTIMATED AFR/AP 24 MAY 042/050

PREDICTED AFR/AP 25 MAY-27 MAY 024/030-018/030-028/035

SOLTERWARN

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