

HFUS 180U 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 136

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 15 MAY 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 2438 (S17W34) PRODUCED  
A C3/IN EVENT AT 0104 U.T. REGION 2456 (S13E58) PRODUCED A C2/SF  
EVENT AT 1550. AT 2047 U.T. AN M2/IB EVENT OCCURRED IN REGION 2456,  
MAXIMUM AT 2047 U.T. OTHER REGIONS REMAIN STABLE. NEW REGIONS WERE  
NUMBERED TODAY 2457 (N11E75), 2458 (S29E76), 2459 (S26W36). A SPOTTED  
AREA WITH BRIGHT FLARE HAS APPEARED NEAR AND IN FRONT OF REGION  
2456. IT MAY PROVE TO BE A SEPARATE REGION, AND BE GIVEN A NUMBER.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE. REGIONS 2438 AND 2456  
STILL HAVE POTENTIAL FOR ACTIVITY. REGION 2452 (S08E23) APPEARS TO  
HAVE POTENTIAL FOR ACTIVITY, BUT AS YET HAS PRODUCED LITTLE.

II. THE GEOMAGNETIC FIELD HAS REMAINED UNSETTLED FOR 24 HOURS. IT  
SHOULD BE UNSETTLED TO QUIET DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 16 MAY - 18 MAY

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 MAY 199

PREDICTED 16 - 18 MAY 205/208/208

90-DAY MEAN 15 MAY 189

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 MAY 14

ESTIMATED AFR/AP 15 MAY 10/08

PREDICTED AFR/AP 16 - 18 MAY 08/10 06/10 06/08

SOLTERWARN

BT