

HFUS 1 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 222

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 AUGUST 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS. AN M1/SB
FLARE FROM REGION 1915 (N14E40) MAXED AT 0916 UT. TWO OTHER SMALL
C-CLASS EVENTS CAME FROM REGION 1915 BUT OTHERWISE THE SOLAR DISK
WAS QUIET. NO NEW REGIONS WERE REPORTED TODAY AND 1915 DECREASED IN
SPOT AREA ALTHOUGH IT REMAINED MAGNETICALLY COMPLEX (BETA-GAMMA-
DELTA).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE OWING THE FLARE
POTENTIAL STILL PRESENT IN REGION 1915.

II. THE GEOMAGNETIC FIELD HAS BEEN LOW TO UNSETTLED FOR THE PAST
24 HOURS. CONDITIONS ARE EXPECTED TO BE MOSTLY UNSETTLED FOR THE
NEXT TWO DAYS OWING TO THE POTENTIAL EFFECTS OF A SOLAR SECTOR
BOUNDARY. QUIET GEOMAGNETIC LEVELS SHOULD THEN RETURN (BARRING
THE EFFECTS OF A MAJOR SOLAR FLARE).

III. EVENT PROBABILITIES 11 AUGUST - 13 AUGUST

CLASS M 70/75/80

CLASS X 05/10/15

PROTON 05/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 AUGUST 151

PREDICTED 11 - 13 AUGUST 152/152/153

90-DAY MEAN 10 AUGUST 168

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 09 AUGUST 05

ESTIMATED AFR/AP 10 AUGUST 06/09

PREDICTED AFR/AP 10 - 13 AUGUST 12/12 12/15 07/12

SOLTERWARN

BT