

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 224

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 AUGUST 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. REGION
1915 (N14E14) HAS PRODUCED ALL OF THE OBSERVED ACTIVITY. THE
LARGEST WAS A SN OPTICAL FLARE, NO X-RAY WAS REPORTED. THERE HAVE
BEEN SEVERAL TYPE III RADIO SWEEPS, ALL ASSOCIATED WITH REGION
1915, AT 0045 UT, 0321 UT, 0440 UT AND 0633 UT. A NEW REGION
1926 (S21E66) A SIMPLE A-TYPE GROUP WAS NUMBERED TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE TO MODERATE LEVELS AS
REGION 1915 CONTINUE TO EXHIBIT CHANGE WHICH SHOULD CAUSE
INSTABILITY TO DEVELOP IN THE REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24
HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE DURING THE
NEXT 24-36 HOURS, THEN UNSETTLED THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 AUGUST - 15 AUGUST

CLASS M 45/45/45

CLASS X 05/05/05

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 AUGUST 141

PREDICTED 13-15 AUGUST 145/147/147

30-DAY MEAN 12 AUGUST 167

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 AUGUST 09

ESTIMATED AFR/AP 12 AUGUST 13/13

PREDICTED AFR/AP 13-15 AUGUST 12/15 - 12/15 - 08/09

SOLTERWARN

BT