

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 (N 14E 14) HAS PRODUCED ALL OF THE OBSERVED ACTIVITY. THE LARGEST WAS A SMALL 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 (S21E 66) 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

PROMPT 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 AUGUST 141

PREDICTED 13-15 AUGUST 145/147/147

SD-DAY MEAN 12 AUGUST 167

V. GEOMAGNETIC 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