

HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 223

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 11 AUGUST 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. SEVERAL SMALL C-CLASS FLARES FROM REGION 1915 (N14E26) HAVE BEEN REPORTED. THE LARGEST WAS A C2/SB AT 1657 UT, A SMALL SHORT WAVE FADE WAS ALSO REPORTED WITH THIS EVENT. REGION 1909 (S26W09) PRODUCED TWO SF FLARES, NO X-RAY, AT 0403 UT AND 0454 UT. NEW REGIONS TODAY ARE 1922 (N22E14), 1923 (N32E26) AND 1924 (S17E45) WHICH ARE SIMPLE GROUPS. NEW REGION 1925 (N18E76) IS ONLY AN H-TYPE, HOWEVER ROTATION MAY REVEAL TRAILERS.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE TO MODERATE LEVELS AS REGION 1915, WHICH IS SHOWING SIGNS OF INTERNAL CHANGE, BECOMES LESS STABLE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE SLIGHTLY UNSETTLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 AUGUST - 14 AUGUST

CLASS M 50/60/70

CLASS X 05/10/15

PREDICTON 01/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 AUGUST 150

PREDICTED 12-14 AUGUST 150/151/151

5-DAY MEAN 11 AUGUST 167

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 10 AUGUST 06

ESTIMATED AFR/AP 11 AUGUST 06/08

PREDICTED AFR/AP 12-14 AUGUST 09/15 - 09/15 - 08/12

SOLTERWARN

BT