

HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 221

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 09 AUGUST 1979

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. REGION 1915
(N14E54) REMAINED MAGNETICALLY COMPLEX AND GREW SIGNIFICANTLY IN AREA
AND SPOT NUMBER. TODAY IT PRODUCED A C7/SB AT 1749 UT (MAXIMUM) IN
ADDITION TO OTHER SMALL SUBFLARES. ONE NEW B-TYPE GROUP WAS NUMBERED
REGION 1921 (N16W14). FIVE REGIONS WHICH WERE SPOTTED YESTERDAY
DECAYED TO SPOTLESS FLAGES.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE WITH AN INCREASING
PROBABILITY OF ENERGETIC EVENTS DEPENDING ON CONTINUED DEVELOPMENT
IN REGION 1915. C-CLASS X-RAY EVENTS ARE LIKELY FROM REGIONS 1912
(N26E41) AND 1909 (S28E15).

II. THE GEOMAGNETIC FIELD HAS BEEN MOSTLY QUIET FOR THE PAST 24 HOURS.
THE FIELD IS EXPECTED TO BE QUIET TO UNSETTLED THROUGHOUT THE FORE-
CAST PERIOD WITH SOME ACTIVE INTERVALS POSSIBLE ON AUGUST 11, 12
IN RESPONSE TO THE PASSAGE OF A SOLAR SECTOR BOUNDARY.

III. EVENT PROBABILITIES 10 AUGUST - 12 AUGUST

CLASS M 70/75/80

CLASS X 10/15/20

PROTON 05/05/05

IV. OTTAWA 10.7 CM FLUX

OBSERVED 9 AUGUST 154

PREDICTED 10 - 12 AUGUST 157/160/163

90-DAY MEAN 9 AUGUST 168

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 AUGUST 07

ESTIMATED AFR/AP 09 AUGUST 07/10

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

SOLTERWARN

BT