

HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 220

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 08 AUGUST 1979

IA. SOLAR ACTIVITY HAS INCREASED ALMOST TO A MODERATE LEVEL WITH M1 AND C9 EVENTS AT 07/1937Z AND 08/1737Z FROM REGION 1915 (N 15E 65). THIS REGION IS NOW ROTATED INTO FULL VIEW AS A COMPACT CLASS E SPOT WITH A POSSIBLE DELTA MAGNETIC CONFIGURATION. A SMALL REGION HAS FORMED ON THE WESTERN BORDER OF REGION 1915 FURTHER ENHANCING THE COMPLEXITY HERE. THREE ADDITIONAL SMALL REGIONS HAVE APPEARED, BUT NO SIGNIFICANT SIZE OR TREND OF GROWTH. ALL REGIONS OTHER THAN REGION 1915 ARE SMALL AND STABLE.

IB. CLASS M EVENTS ARE EXPECTED FROM REGION 1915. SIGNIFICANT GROWTH AND EVOLUTION TO GREATER COMPLEXITY IS NEEDED FOR LARGER EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. CONDITIONS ARE EXPECTED TO BE QUIET TO SLIGHTLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 09 AUGUST - 11 AUGUST

CLASS M 7/70/70

CLASS X 10/10/10

PREDICTED 02/02/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 AUGUST 148

PREDICTED 09-11 AUGUST 153/156/160

90-DAY MEAN 08 AUGUST 168

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 07 AUGUST 11

ESTIMATED AFR/AP 08 AUGUST 06/10

PREDICTED AFR/AP 09-11 AUGUST 08/08 - 10/10 - 12/15

SOLTERWARN

BT