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HFUS 1 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 219

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 AUGUST 1979

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. HOWEVER, REGION 1915 (N 14E 79), THE RETURN OF OLD 1880, HAS RETURNED TO THE EAST LIMB AND PRELIMINARY ANALYSIS WOULD INDICATE THAT IT HAS THE POTENTIAL FOR ENERGETIC ACTIVITY. THE WELL DEVELOPED "E" TYPE SPOT GROUP IS SURROUNDED BY FAIRLY WELL STRUCTURED PLAGE. MAGNETIC STRUCTURE IS STILL QUESTIONABLE BUT THE ORIENTATION OF THE SPOTS SUGGEST THAT IT IS MOST CERTAINLY COMPLEX. THE ARRIVAL OF 1915 OVERSHADOWED EVERYTHING ELSE ON THE DISK BUT LITTLE ELSE HAPPENED.

IB. SOLAR ACTIVITY SHOULD INCREASE AS 1915 ROTATES ONTO THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. GENERALLY UNSETLED CONDITIONS SHOULD PERSIST FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 08 AUGUST - 10 AUGUST

CLASS M 9/9 0/9 0

CLASS X 10/15 1/25

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 AUGUST 146

PREDICTED 08-10 AUGUST 152/156/159

50-DAY MEAN 07 AUGUST 169

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 06 AUGUST 18

ESTIMATED AFR/AP 07 AUGUST 10/15

PREDICTED AFR/AP 08-10 AUGUST 10/10 - 12/16 - 10/10

SOLTERWARN

BT