

HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 222

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 09 AUGUST 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. THE ONLY FLARES HAVE BEEN FROM REGION 2610 (N10W07), THE LARGEST A C5 AT 2018 UT. REGION 2610 IS NOW A BETA-GAMMA AND HAS SHOWN RAPID GROWTH DURING THE PAST 24 HOURS. REGION 2605 (S06W40) CONTINUES TO BE THE LARGEST REGION, HOWEVER IT IS APPARENTLY STABLE. NEW REGIONS TODAY 2612 (N18W07), 2613 (N24E15) AND 2615 (N05E71) ARE SIMPLE A-TYPE SPOT GROUPS. NEW REGION 2614 (N14E73) IS A B-TYPE SPOT GROUP. REGION 2611 (S26E68) WAS ORIGINALLY NUMBERED BECAUSE OF A FLARE, IT NOW POSSESSES SPOTS.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE TO NEAR MODERATE LEVELS AS REGION 2610 CONTINUES TO GROW AND BECOME MORE COMPLEX MAGNETICALLY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO REMAIN UNSETLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 AUGUST - 12 AUGUST

CLASS M 20/25/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 AUGUST 155

PREDICTED 10-12 AUGUST 165/174/185

90-DAY MEAN 09 AUGUST 195

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 08 AUGUST 04

ESTIMATED AFR/AP 09 AUGUST 10/08

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

SOLTERWARN

BT