

HFUS -1 BOU 3 12200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 243

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 31 AUGUST 1979

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY 'C' CLASS XRAY BURST BEING OBSERVED. REGION 1962 (N21E51) IS QUITE BRIGHT IN H-ALPHA, GROWING IN WHITE LIGHT AND HAS BEEN THE SOURCE OF SEVERAL OF THE CLASS 'C' XRAY BURSTS. REGION 1963 (N13E54) IS ALSO GROWING BUT DOES NOT APPEAR TO HAVE NEARLY THE POTENTIAL OF 1962. REGION 1951 (N18W67) IS DECAYING IN AREA BUT HAS MANAGED TO PRODUCE AT LEAST ONE SUBFLARE. REGIONS 1943 (N06W75) AND 1942 (S31W73) ARE DECAYING BUT THE POSSIBILITY OF AN ENERGETIC EVENT FROM EITHER OF THESE REGIONS IS STILL A THREAT. THE OTHER DISK FEATURES HAVE SHOWN LITTLE CHANGE.
IB. SOLAR ACTIVITY WILL BE AT A LOW TO MODERATE LEVEL FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE, NO MAJOR CHANGES ARE EXPECTED.

III. EVENT PROBABILITIES 01 SEPT - 03 SEPT

CLASS M 50/50/50

CLASS X 10/05/05

PROTON 10/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 AUG 177

PREDICTED 01 SEPT - 03 SEPT 169/163/160

90-DAY MEAN 31 AUG 173

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 AUGUST 13

ESTIMATED AFR/AP 31 AUGUST 13/10

PREDICTED AFR/AP 01 SEPT - 03 SEPT 08/10 08/10 10/15

SOLTERWARN

BT