

HFUS 1 BOU 302200Z

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 242

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 30 AUGUST 1979

IA. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL DURING THE PAST 24 HOURS. REGION 1943 (N04W 64) IS DEFININELY IN A STATE OF DECAY ALTHOUGH IT RETAINS ITS POTENTIAL FOR ENERGETIC ACTIVITY. REGION 1942 (S33W 61) IS ALSO DECAYING AND THE SCARCITY OF FLARE NOW ASSO CIATED WITH THIS REGION MAKES IT SUSPECT AS A LARGE FLARE PRODUCER. TWO NEW REGIONS ROTATED OVER THE EAST LIMB DURING THE PAST 24 HOURS. REGION 1962 (N20E 64) IS A B-TYPE GROUP AND HAS PRODUCED AN IMPORTANCE IN FLARE WHILE REGION 1963 (N13E 67) IS ALSO A B-TYPE GROUP BUT HAS NOT BEEN DYNAMIC. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE DURING THE COMING 24 HOURS AS 1943, 1942, 1958 AND 1962 ARE CAPABLE OF M-CLASS ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED MOST OF THE DAY AND LITTLE CHANGE IS EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 31 AUG - 02 SEP

CLASS M 60/50/50

CLASS X 10/10/05

PROTON 10/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 AUG 174

PREDICTED 31 AUG - 02 SEP 177/171/166

90-DAY MEAN 30 AUG 174

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 AUG 43

ESTIMATED AFR/AP 30 AUG 15/25

PREDICTED AFR/AP 31 AUG - 02 SEP 13/15 - 10/10 - 08/10

SOLTERWARN

BT