

HFUS 1 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 243

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 AUGUST 1980

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. EVEN
THOUGH THERE WAS CONTINUING RAPID DEVELOPMENT IN REGIONS 2646
(N12E40), 2645 (S08E37), AND 2649 (N23W10), THE LARGEST EVENT OF
THE DAY WAS A C6/1B FLARE FROM REGION 2646 WHICH MAXED AT 1248 UT.
THAT REGION HAS A PROBABLE DELTA MAGNETIC CONFIGURATION IN THE
SOUTHERN PORTION OF THE LARGE INTERMEDIATE SPOT. THREE NEW REGIONS
WERE NUMBERED TODAY. THEY ARE 2651 (N27W56), A C-TYPE GROUP,
2652 (N13E65) AN A-TYPE SPOT, AND 2653 (S10E74) WHICH IS A
B-TYPE GROUP ROTATING OVER THE EAST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE THROUGHOUT THE
FORECAST PERIOD. REGION 2646 NOW POSSESSES FEATURES INDICATING
THE POSSIBILITY OF MAJOR ACTIVITY. THE VERY RAPID DEVELOPMENT
IN 2649 MAKES IT WORTHY OF ATTENTION, AND THE 2645/2648 (S06E47)
COMPLEX IS ALSO CAPABLE OF SIGNIFICANT ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED FOR
THE PAST 24 HOURS. IN THE ABSENCE OF INDICATORS TO THE CONTRARY,
THESE CONDITIONS ARE EXPECTED TO PERSIST THROUGHOUT THE FORECAST
PERIOD.

III. EVENT PROBABILITIES 31 AUGUST - 02 SEPTEMBER

CLASS M 70/80/80

CLASS X 05/10/10

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 AUGUST 192

PREDICTED 31 AUGUST - 02 SEPTEMBER 195/197/202

90-DAY MEAN 30 AUGUST 183

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 AUGUST 04

ESTED AFR/AP 30 AUGUST 07/09

PREDICTED AFR/AP 31 AUGUST - 02 SEPTEMBER 07/08 - 07/08 - 07/12

SOLTERWARN

BT