

HEUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SOF NUMBER 225

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 AUGUST 1980

IA. SOLAR ACTIVITY HAS BEEN LOW. THE LARGEST FLARE TODAY WAS C5/SN AT 0617Z FROM REGION 2618 (S25E5D), WHICH REMAINS A SMALL TYPE D SPOT GROUP. GROWTH CONTINUES IN REGIONS 2614 (N14E39) AND 2615 (N06E29) BUT THEIR STRUCTURE AND SIZE ARE NOT APPROPRIATE FOR MODERATE ACTIVITY. AN ERUPTIVE PROMINENCE AT 1557Z FROM S15E90 WAS ACCCOMPANIED BY A VERY SMALL X-RAY EVENT. SURGES MARK THAT LOCATION AT THIS TIME. LARGE FILAMENTS HAVE DISAPPEARED NEAR THE SOLAR EQUATOR FROM A LARGE-SCALE SECTOR BOUNDARY NEAR W30.

IB. SOLAR ACTIVITY WILL REMAIN NEAR THE PRESENT LEVEL AS THE LOSS OF SMALL REGIONS AT WEST LIMB WILL BE BALANCED BY ADDITIONAL ACTIVITY ROTATING OVER EAST LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET WITH A SHORT PERIOD OF UNSETTLED CONDITIONS AT THE START OF THE DAY. QUIET CONDITIONS WILL CONTINUE UNTIL LATE ON 14 AUGUST WHEN THE EARTH WILL ENCOUNTER A MAJOR INTERPLANETARY SECTOR BOUNDARY. UNSETTLED TO SLIGHTLY ACTIVE CONDITIONS WILL FOLLOW.

III. EVENT PROBABILITIES: 13 AUGUST - 15 AUGUST

CLASS M 30/30/30

CLASS X 01/01/01

PROMPT 01/01/01

PCAF GREEN

IV. OTTAWA, 10.7 CM FLUX

OBSERVED 12 AUGUST 185

PREDICTED 13-15 AUGUST 191/193

90-DAY MEAN 12 AUGUST 195

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 11 AUGUST 10

PREDICTED AFR/AP 12 AUGUST 09/10

PREDICTED AFR/AP 13-15 AUGUST 08/12 - 18/15 - 12/12

SOLIERWARM

BT