

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 (S25E51), 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 ACCOMPANIED 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

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA, 10.7 CM FLUX

OBSERVED 12 AUGUST 185

PREDICTED 13-15 AUGUST 191/193/193

90-DAY MEAN 12 AUGUST 195

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 AUGUST 10

ESTIMATED AFR/AP 12 AUGUST 09/10

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

SOLTERWARN

BT