

HEUX 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 070

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 11 MARCH 1979

IA. SOLAR ACTIVITY WAS MODERATE DURING THE PAST 24 HOURS. THE  
NORTHEAST QUADRANT HAS PRODUCED SEVERAL FLARES AND ERUPTIVE LIMB  
EVENTS TODAY. THE MOST ENERGETIC EVENT TODAY FROM THIS COMPLEX  
WAS AN M1/5M FLARE WHICH REACHED MAXIMUM AT 0709 U.T. THIS  
AREA NOW CONSISTS OF FIVE DISTINCT SUNSPOT GROUPS AND THERE ARE  
LIMB INDICATIONS OF STILL MORE REGIONS TO ROTATE OVER WITHIN THE  
NEXT FEW DAYS. THIS AREA AT AND BEYOND THE NE LIMB IS THE RETURN  
OF PREVIOUSLY ACTIVE REGION 1574. REGION 1612 (S14W06) PRODUCED  
A LONG-LIVED C5/1B FLARE THAT REACHED MAXIMUM AT 1628 U.T. THIS  
FLARE HAD DISTINCT PARALLEL RIBBON STRUCTURE.

IB. SOLAR ACTIVITY SHOULD BE AT MODERATE LEVELS FOR THE FORECAST  
PERIOD WITH THE NE QUADRANT AS THE MAJOR CONTRIBUTOR TO THOSE  
LEVELS. THE PROBABILITY OF MAJOR EVENTS BEING OBSERVED IS  
INCREASING AS THE NE REGIONS ROTATE INTO VIEW.

II. THE GEOMAGNETIC FIELD WAS AT MINOR STORM LEVELS YESTERDAY  
AND HAS QUIETED TO ACTIVE LEVELS TODAY. THE FIELD SHOULD CONTINUE  
TO BECOME LESS ACTIVE AND GENERALLY UNSETTLED CONDITIONS ARE  
EXPECTED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES, 12 - 14 MARCH

CLASS M 60/70/80

CLASS X 15/15/20

PROTON 05/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 MARCH 195 (FLARE ENHANCED)

PREDICTED 12-14 MARCH 190/195/200

93-DAY MEAN 11 MARCH - 195

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 MARCH 34

ESTIMATED AFR/AP 11 MARCH 17/25

PREDICTED AFR/AP 12-14 MARCH 14/15 10/10 08/11

SOLTERWAR V

BT