

HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 072

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 13 MARCH 1979

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. THE MOST  
SIGNIFICANT EVENT OBSERVED WAS A C8/SB FLARE BY REGION 1618  
(N10W34). THIS FLARE WAS ACCOMPANIED BY A MINOR CM BURST AND SWF.  
THE NE QUADRANT CONTINUES TO DOMINATE IN SPOT GROUP NUMBER AND  
FLARE AREA BUT ALSO CONTINUES IN ITS LACK OF FLARE PRODUCTION.  
REGION 1625 (N16E43) HAS BEEN STABLE WHILE 1626 (N19E33) HAS GROWN  
SLIGHTLY AND PRODUCED SEVERAL SUBFLARES. NEW REGION 1633 (S26E07)  
HAS GROWN RAPIDLY, AS VISIBLE IN WHITE LIGHT BUT HAS PRODUCED NO  
SIGNIFICANT ACTIVITY. YET ANOTHER SMALL REGION HAS ROTATED OVER THE  
EAST LIMB AND HAS BEEN NUMBERED 1634 (S11E78). THERE HAS BEEN  
SOME LIMB ACTIVITY OCCURRING ON AND ABOVE THE LIMB TRAILING REGION  
1634.

IB. SOLAR ACTIVITY SHOULD BE AT A LOW TO MODERATE LEVEL FOR THE  
NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED FOR THE PAST  
24 HOURS AND SHOULD REMAIN SO FOR THE FORECAST PERIOD. FLARE  
INDUCED GEOMAGNETIC DISTURBANCES ARE POSSIBLE TOWARDS THE END OF  
THE PERIOD BUT REGIONS CURRENTLY ON THE DISK DO NOT APPEAR, AT THIS  
TIME, TO BE ABLE TO PRODUCE SUFFICIENTLY LARGE FLARES FOR A  
SUBSEQUENT MAGNETIC STORM.

III. EVENT PROBABILITIES 14 MARCH - 16 MARCH

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MARCH 189

PREDICTED 14-16 MARCH 191/193/192

90-DAY MEAN 13 MARCH 194

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 12 MARCH 05

ESTIMATED APR/AP 13 MARCH 06Y08

PREDICTED APR/AP 14-16 MARCH 07/10 06/08 08/12

SOLTERWARM

BT