

HFUS 1 BOU 132200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLORADO
SD F 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/SR FLARE BY REGION 1618 (N 12° 34'). THIS FLARE WAS ACCCOMPANIED BY A MINOR CM BURST AND SWF. THE NE QUADRANT CONTINUES TO DOMINATE IN SPOT GROUP NUMBER AND PLAGE AREA BUT ALSO CONTINUES IN ITS LACK OF FLARE PRODUCTION. REGION 1525 (N 15° 43') HAS BEEN STABLE WHILE 1626 (N 19° 33') HAS GROWN SLIGHTLY AND PRODUCED SEVERAL SUBFLARES. NEW REGION 1633 (S 2.6E 07) 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 (S 11E 78). 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 UNSETLED 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 5/05/0/50

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 AFR/AP 13 MARCH 06Y08

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

SOLARFLARE

BT