

HFUS 1 BOU 0722 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDF NUMBER 366

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 07 MARCH 1979

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS WITH ONLY LOW LEVEL CLASS C X-RAY FLARES BEING OBSERVED. REGION 1610 HAS BEEN INCORPORATED INTO THE TRAILER OF REGION 1604 (CENTER NOW LOCATED AT N17E06). NEW REGION 1614 (N22W29) DEVELOPED RAPIDLY DURING THE PERIOD AND CONTINUES ITS GROWTH TREND EXHIBITING AN ANOMOLOUS MAGNETIC CONFIGURATION. REGION 1591 (S18W79) IS APPROACHING WEST LIMB WITH SURGING NOW VISIBLE OVER THE LIMB.

IB. SOLAR ACTIVITY SHOULD REMAIN AT A LOW LEVEL WITH AN INCREASING PROBABILITY FOR MODERATE LEVELS TOWARD THE END OF THE FORECAST PERIOD. CONTINUED GROWTH IN REGION 1614 MAY RESULT IN AN INCREASED LEVEL OF FLARE PRODUCTION FROM THAT AREA. PREVIOUSLY ACTIVE LONGITUDES ARE DUE TO BEGIN RETURNING WITH THE APPEARANCE OF OLD REGION 1568 TOWARD THE END OF THE PERIOD.

II. THE GEOMAGNETIC FIELD HAS QUIETED FROM YESTERDAY'S ACTIVE CONDITIONS. THE FIELD SHOULD REMAIN GENERALLY QUIET FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 08 MARCH - 10 MARCH

CLASS M 5.0/6.0/7.0

CLASS X 10/10/15

PROTON 105/105/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MARCH 190

PREDICTED 08-10 MARCH 194/196/200

90-DAY MEAN 07 MARCH 196

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 06 MARCH 18

ESTIMATED AFR/AP 07 MARCH 05/09

PREDICTED AFR/AP 08-10 MARCH 07/12 - 06/09 - 05/07

SOLTERWARN

BT