

HFSU1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDE NUMBER 186

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 04 JULY 1980.

I A. SOLAR ACTIVITY HAS BEEN LOW. A SUBNORMAL AND A SUBFAINT FLARE WERE OBSERVED DURING THE EARLY HOURS, WITH NO XRAY OR RADIO OCCURRENCES.

I B. SOLAR ACTIVITY WILL REMAIN LOW WITH THE HIGHEST PROBABILITIES OF OCCURRENCE ASSOCIATED WITH REGIONS 2549 (S20N50), 2550 (N27W17). REGION 2550 HAS DEVELOPED A DELTA IN ITS LEADER PENUMBRA AND APPEARS TO HAVE GROWN SIGNIFICANTLY IN WHITE LIGHT. IT ALSO SHOWS AN ARCH FILAMENT SYSTEM IN THE TRAILER PORTION. THIS REGION HOLDS THE LARGEST PROBABILITY FOR M OR X CLASS ACTIVITY.

II. THE GEOMAGNETIC FIELD BECAME UNSETTLED IN THE EARLY HOURS OF THE DAY. IT SHOULD REMAIN UNSETTLED TO SLIGHTLY UNSETTLED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05 - 07 JULY

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 JULY 142

PREDICTED 05 - 07 JULY 142/144/146

90-DAY MEAN 04 JULY 208

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 03 JULY 05

ESTIMATED AFR/AP 04 JULY 10/11

PREDICTED AFR/AP 05 - 07 JULY 12/15 10/12 10/10

SOLARWARN

BT