

HFUS1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 186

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

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

IB. SOLAR ACTIVITY WILL REMAIN LOW WITH THE HIGHEST PROBAB-  
ILITIES OF OCCURRENCE ASSOCIATED WITH REGIONS 2549 (S20W50),  
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 A 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

SOLTERWARN

BT