

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 185

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 04 JULY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1189 (N26W27) HAS PRODUCED MOST OF THE FLARE ACTIVITY, THE LARGEST BEING A C4/SF AT 0945 UT. SPOT GROWTH, BRIGHTENED PLAGE, AND INCREASED MAGNETIC COMPLEXITY HAVE BEEN OBSERVED IN REGION 1192 (S25W22). REGIONS 1176 AND 1172 (NW21 AND SW18) HAVE ROTATED OFF THE VISIBLE DISK. A LARGE POLAR CROWN FILAMENT (S60E 00-42) HAS DISAPPEARED.

IB. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL. REGIONS PRESENTLY VISIBLE DO NOT DISPLAY THE CAPABILITY OF PRODUCING ENERGETIC EVENTS. THERE ARE NO INDICATIONS OF SIGNIFICANT REGIONS APPEARING ON THE EAST LIMB DURING THIS FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH PERIODS AT MINOR STORM LEVELS. A SUDDEN STORM COMMENCEMENT WAS OBSERVED ON 03 JULY AT 2305 UT. THE GEOMAGNETIC FIELD SHOULD REMAIN ACTIVE WITH PERIODS AT MINOR STORM LEVELS UNTIL APPROXIMATELY 1800 UT ON 05 JULY.

III. EVENT PROBABILITIES 05 JULY - 07 JULY

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 JULY 114

PREDICTED 05-07 JULY 111/109/108

90-DAY MEAN 04 JULY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 JULY 12

ESTIMATED AFR/AP 04 JULY 33/45

PREDICTED AFR/AP 05-07 JULY 20/20 - 10/10 - 12/15

SOLTERWARN

BT