

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 216

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 AUGUST 1979

IA. SOLAR ACTIVITY REMAINS IN THE DOLDRUMS AS LOW ACTIVITY CONTINUES.
REGION 1895 (S12W44) PRODUCES THE ONLY FLARE OF NOTE, A C5/SB FLARE
AT 04/2022 UT (MAX) WITH MINOR SHORT WAVE FADES ASSOCIATED.
REGION 1890 (N18W77) IS STILL THE STRONGEST LOOKING AREA ON THE
VISIBLE DISK, BUT REMAINS RELATIVELY QUIET AS IT ROTATES BEHIND
THE WEST LIMB. NOTHING OF ANY SIGNIFICANCE IS SEEN ROTATING
ONTO THE EAST LIMB.

IB. SOLAR ACTIVITY IS FORECAST TO BE LOW DURING THE NEXT PERIOD.
REGION 1890 COULD PRODUCE AN M-CLASS X-RAY FLARE BEFORE IT
TRANSITS WEST LIMB BUT THIS IS LOOKING DOUBTFUL. OLD REGION
1880 (N16), WHICH WAS INCREASING IN POTENTIAL DURING ITS LAST WEST
LIMB TRANSIT, SHOULD RETURN WITHIN THE NEXT 48 HOURS, AND MAY HAVE
THE POTENTIAL TO INCREASE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS CONTINUED AT UNSETTLED LEVELS AND IS
FORECAST TO REMAIN AT UNSETTLED LEVELS FOR THE NEXT PERIOD.

III. EVENT PROBABILITIES 05 - 07 AUGUST

CLASS M 30/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 AUGUST 138

PREDICTED 05 - 07 AUGUST 135/138/140

90-DAY MEAN 04 AUG 170

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 AUGUST 12

ESTIMATED AFR/AP 04 AUGUST 14/15

PREDICTED AFR/AP 05 - 07 AUGUST 10/10 08/08 10/10

SOLTERWARN

BT