

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 217

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 AUG 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS.
NO SIGNIFICANT OPTICAL FLARES HAVE BEEN REPORTED AND ONLY SMALL
PERTURBATIONS IN THE X-RAY BACKGROUND TRACE HAVE BEEN NOTED. TWO
REGIONS ROTATED OVER THE EAST LIMB AND ARE NUMBERS 1909 (S2E65)
AND 1910 (S14E69). FAINT FLARE NEAR NE29 MAYBE THE RETURN OF OLD
1878. THE REST OF THE DISK IS RELATIVELY UNCHANGED.

IB. SOLAR ACTIVITY SHOULD REMAIN GENERALLY LOW BUT THE POSSIBILITY
OF AN ISOLATED CLASS M STILL EXIST.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE.
GENERALLY UNSETTLED CONDITIONS SHOULD PERSIST.

III. EVENT PROBABILITIES 06 AUG - 08 AUG

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 AUG 138

PREDICTED 06 AUG - 08 AUG 140/140/140

90-DAY MEAN 05 AUG 169

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 04 AUG 16

ESTIMATED AFR/AP 05 AUG 12/10

PREDICTED AFR/AP 06 AUG - 08 AUG 08/08 10/10 10/10

SOLTERWARN

BT