

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 193

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 JULY 1979

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. ONLY TWO SMALL CLASS C X-RAY
EVENTS HAVE OCCURRED TODAY. ALL SPOT GROUPS ARE SMALL AND OF
SIMPLE (INACTIVE) STRUCTURE. A SMALL REGION WITH SPOTS (1868 N17W38)
HAS EMERGED IN THE DECAYING REMNANTS OF REGION 1854 (N14W45).

MINOR GROWTH HAS OCCURRED IN REGION 1859 (N22W39).

A MINOR FLARE WITH A SINGLE LARGE SPOT HAS ROTATED INTO VIEW AT
N29E77 (REGION 1867).

IB. MINOR FLARES WILL BE CONFINED TO THE COMPLEX OF SMALL REGION
IN THE NORTHWEST QUADRANT. NO SIGNIFICANT REGIONS ARE DUE AT EAST
LIMB UNTIL LATE ON 15 JULY.

II. THE GEOMAGNETIC FIELD WAS QUIET FOR MOST OF THE PREVIOUS
24-HOURS BUT HAS BECOME UNSETTLED IN THE PAST 6 HOURS. UNSETTLED
CONDITIONS WILL OCCUR INTERMITTENTLY DURING THE NEXT TWO DAYS.
MORE ACTIVE CONDITIONS MAY OCCUR BY THE THIRD DAY AS A SECTOR
BOUNDARY PASSES EARTH.

III. EVENT PROBABILITIES 13 - 15 JULY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JULY 164

PREDICTED 13 - 15 JULY 158/150/145

90-DAY MEAN 12 JULY 175

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 JULY 04

ESTIMATED AFR/AP 12 JULY 05/09

PREDICTED AFR/AP 13 - 15 JULY 10/15 10/14 15/20

SOLTERWARN

BT