

HFUS 1 B0U 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 195

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 JULY 1979

IA. SOLAR ACTIVITY CONTINUES TO BE LOW WITH VERY FEW FLARES OF THE
SMALLEST MAGNITUDE. THE SUNSPOT NUMBER CONTINUES TO BE DECEPTIVELY
HIGH BECAUSE OF NUMEROUS SMALL AND INACTIVE SPOT GROUPS. GROWTH
OF SPOTS AND AN INCREASE IN MAGNETIC GRADIENT HAS OCCURRED IN REGION
1859 (N22W67) IN ASSOCIATION WITH AN OVERLYING ACTIVE FILAMENT.
A SMALL H-SPOT HAS ROTATED INTO VIEW AT S03E77 (REGION 1872), AND
TWO TINY REGIONS HAVE EMERGED IN THE SOUTH CENTRAL PORTION OF THE
DISK.

IB. MINOR GROWTH AND THE RETURN OF A ZONE OF ACTIVITY AT EAST LIMB
WILL COMPENSATE FOR THE WEST LIMB PASSAGE OF REGION 1859. REGION
1859 MAY PRODUCE A SINGLE CLASS M EVENT DURING THE NEXT TWO DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED FOR
THE PAST 24 HOURS. UNSETTLED CONDITIONS WILL CONTINUE ANOTHER DAY
AND THEN RELATIVELY QUIET CONDITIONS WILL PREVAIL.

III. EVENT PROBABILITIES 15 - 17 JULY

CLASS M 40/40/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 JULY 153

PREDICTED 15 - 17 JULY 148/145/145

90-DAY MEAN 14 JULY 175

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 JULY 14

ESTIMATED AFR/AP 14 JULY 08/11

PREDICTED AFR/AP 15 - 17 JULY 10/15 07/10 07/10

SOLTERWARN

BT