

HFUS 1 BOU 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 SOUTHCENTRAL 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 UNSETLED FOR THE PAST 24 HOURS. UNSETLED 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

PROMOTION : 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 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