

HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 185

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 03 JULY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW. CLASS C4 (0024Z) AND C3 (0136Z) FLARES OCCURRED IN REGION 2544 (S10W66) WHICH HAS DECADED SINCE YESTERDAY. SPOT GROWTH IN REGIONS 2547 (S22W83), 2549 (S19W38) AND 2550 (N28W06) HAS BEEN ACCCOMPANIED BY INSIGNIFICANT ACTIVITY. A SMALL NEW REGION IS DEVELOPING AT S05W03 (REGION 2551).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH ONLY A SMALL CHANCE OF SIGNIFICANT EVENTS FROM REGIONS 2544 AND 2547 AS THEY TRANSIT WEST LIMB. A REGION DUE TO RETURN TO NORTHEAST LIMB BY 05 JULY IS NOT EXPECTED TO RAISE SOLAR INDICES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. THE COMBINED EFFECTS OF SECTOR BOUNDARY, EQUATORIAL CORONAL HOLE AND CORONAL TRANSIENT (OF 01 JULY) ARE EXPECTED TO PRODUCE UNSETTLED TO ACTIVE CONDITIONS BY 05 JULY.

III. EVENT PROBABILITIES 04 - 06 JULY

CLASS M 50/40/20

CLASS X 10/05/01

PROTON 25/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JULY 143

PREDICTED 04 - 06 JULY 139/137/135

90-DAY MEAN 03 JULY 209

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 02 JULY 03

ESTIMATED AFR/AP 03 JULY 05/07

PREDICTED AFR/AP 04 - 06 JULY 12/15 18/18 12/15

SOLTERWARN

BT.