

HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 195

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 13 JULY 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE TODAY DUE TO AN M2.2/SB FLARE FROM REGION 2562 (S12E42) AT 1718Z. THIS REGION HAS BEEN RESPONSIBLE FOR NUMEROUS C-CLASS X-RAY EVENTS AND POSSESSES A VERY STRONG MAGNETIC GRADIENT AND AT LEAST THREE DELTAS. REGIONS 2563 (N21E20) AND 2567 (S12E60) EACH PRODUCED A SUBFLARE. REGIONS 2554 (N17W27) AND 2565 (N17W37) BOTH CONTAIN A DELTA. THREE NEW REGIONS WERE NUMBERED TODAY: 2568 (S08W31), 2569 (N20E77), AND 2570 (S22E76).

IB. SOLAR ACTIVITY IS EXPECTED TO BECOME HIGH FOR THE FORECAST PERIOD DUE TO FLARE POTENTIAL OF REGION 2562. REGIONS 2554, 2563, AND 2565 ALL POSSESS MODERATE FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TODAY AND IS EXPECTED TO REMAIN MILDLY UNSETLED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 14 JULY - 16 JULY

CLASS M 9/9 0/9 0

CLASS X 25/25 25

PREDICTON 01/05 / 15

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JULY 191

PREDICTED 14-16 JULY 190/197/203

90-DAY MEAN 13 JULY 200

V. GEOMAGNETIC A INDICES

OBSERVED BOULDER 12 JULY 08

ESTIMATED ABO/AP 13 JULY 09/11

PREDICTED AFR/AP 14-16 JULY 07/10 - 06/08 - 08/08

SOLTERWARN

BT