

HFUS 1 B O U 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 194

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 JULY 1980

IA. SOLAR ACTIVITY HAS BEEN HIGH DURING THE PAST 24 HOURS.
SUBFAINT TO SUBBRIGHT FLARES OCCURRED IN REGION 2563 (N21E36)
AND REGION 2554 (N17W16). ALL REMAINING ACTIVITY IS ASSOCIATED
WITH REGION 2562 (S12E55) WITH M5/2B MAXIMUM AT 11/2218 UT, M1/SB
MAXIMUM AT 12/0223 UT, M4/SB MAXIMUM AT 12/1119 UT, M1/SB MAXIMUM
AT 12/1345 UT, M1/SN MAXIMUM AT 12/1402 UT, M2/1B MAXIMUM AT
12/1545 UT, M2/1B MAXIMUM AT 12/1828 UT. REGION 2562 IS COMPLEX
AND CONTAINS A MAGNETIC DELTA AND APPARENTLY STEEP MAGNETIC
GRADIENTS. REGION 2554 ALSO CONTAINS A MAGNETIC DELTA. NEW REGIONS
NUMBERED TODAY: 2565 (N13W23) AND 2566 (N23E22).

IB. REGION 2562 SHOULD CONTINUE ACTIVE FOR THE FORECAST PERIOD.
REGION 2554 IS SHOWING INCREASED POSSIBILITY OF ACTIVITY AS IS
REGION 2563. TAKEN TOGETHER THE SOLAR ACTIVITY SHOULD REMAIN HIGH
FROM REGIONS ALREADY ON THE DISK. RETURNING REGIONS FROM ACTIVE
LONGITUDES MAY ALSO CONTRIBUTE TO ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. IT SHOULD REMAIN
SLIGHTLY UNSETTLED FOR THE FORECAST PERIOD

III. EVENT PROBABILITIES 13 - 15 JULY

CLASS M 90/90/90

CLASS X 20/25/25

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JULY 172

PREDICTED 13 - 15 JULY 178/182/186

90-DAY MEAN 12 JULY 201

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 JULY 10

ESTIMATED AFR/AP 12 JULY 09/10

PREDICTED AFR/AP 13 - 15 JULY 10/12 08/10 06/08

SOLIERWARN

BT