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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SD# NUMBER 208

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 JULY 1979
IA. SOLAR ACTIVITY WAS MODERATE DURING THE PAST 24 HOURS. AN M1
X-RAY EVENT ASSOCIATED WITH REGION 1890 (N 15E 30) REACHED MAXIMUM
AT 1118 UT AND WAS ASSOCIATED WITH MINOR SHORT WAVE FADES AND
RADIO BURSTS. REGION 1890 ALSO PRODUCED OTHER C-CLASS X-RAY EVENTS.
AS DID REGION 1887 (S 13W 27). REGION 1890 HAS A VERY COMPLEX SPOT
CONFIGURATION AND AN ACTIVE FILAMENT SYSTEM. REGION 1887 IS THE
MOST MAGNETICALLY COMPLEX GROUP ON THE VISIBLE DISK WITH VERY HIGH
MAGNETIC GRADIENTS AND SOME SPOT INTERACTION. NO NEW REGIONS WERE
NUMBERED TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE. REGIONS 1890
AND 1887 ARE EACH CAPABLE OF AT LEAST M-CLASS ENERGETIC EVENTS.

II. EVENT PROBABILITIES 28 - 30 JULY

CLASS M . . 60/70/70

CLASS X . . 15/10/10

PREDICTED . . 01/05/05

PCAF . . GREEN, 1

IV. OTTAWA 13.7 CM FLUX

OBSERVED 27 JULY 15.7

PREDICTED 28 - 30 JULY . . 160/165/170

-90-DAY MEAN 27 JULY . . 172

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 26 JULY . . 13

ESTIMATED AFR/AP 27 JULY 18/23

PREDICTED AFR/AP 28 - 30 JULY . . 15/15, 10/10, 10/14

SOLAR WARNS

BT