

HFUS 1 BOW 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDP 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 (N15E30) REACHED MAXIMUM
AT 1158 UT AND WAS ASSOCIATED WITH MINOR SHORT WAVE FADES AND
RADIO BURSTS. REGION 1890 ALSO PRODUCED OTHER C-CLASS XRAY EVENTS
AS DID REGION 1887 (S13W27). 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 05/10/10

PROTON 01/05/05

PCAF GREEN.

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JULY 157

PREDICTED 28 - 30 JULY 160/165/170

90-DAY MEAN 27 JULY 172

V. GEOMAGNETIC A 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

SOLTERWARN

BT