

HFUS 1-BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 190

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 08 JULY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY CLASS C X-RAY BURSTS DURING THE PAST 24 HOURS. REGION 2550 (N27W70) HAS RESTRICTED ITS SUNSPOT CONFIGURATION. BOTH THE MAGNETIC GRADIENT AND H-ALPHA STRUCTURE HAVE DIMINISHED SINCE YESTERDAY. A WEAK DELTA CURRENTLY EXISTS IN THE TRAILER PENUMBRA OF REGION 2550. REGION 2559 (N17E84) IS CURRENTLY ROTATING ON TO THE DISK. THIS REGION IS MARKED BY A MODERATELY BRIGHT PLAGE AND FREQUENT SURGING. REGIONS 2558 (S26E30) AND 2560 (S12W55) HAVE ALSO EMERGED WEAKLY TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. THE VIGOROUS ACTIVITY OF REGION 2559 INDICATES THE POTENTIAL FOR ENERGETIC FLARE ACTIVITY FROM THIS REGION. REGION 2550 MAY ALSO PRODUCE ONE OR TWO ENERGETIC FLARES PRIOR TO WEST LIMB PASSAGE.

II. THE GEOMAGNETIC FIELD HAS BEEN MODERATELY UNSETLED. UNSETLED CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 JULY - 11 JULY

CLASS M 70/70/70

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JULY 148

PREDICTED 09-11 JULY 150/150/154

90-DAY MEAN 08 JULY 204

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 07 JULY 16

ESTIMATED AFR/AP 08 JULY 12/14

PREDICTED AFR/AP 09-11 JULY 12/15 - 10/12 - 08/10

SOLTERWARN

BT