

HFUS 1 B OU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 160

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 08 JUNE 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE. THE LARGEST EVENT WAS AN M4 (MAX 103.8Z). NO OPTICAL FLARE HAS BEEN REPORTED BUT RAMEY OBSERVED LOOPS OVER REGION 2495 (BEYOND WEST LIMB). AFTER X-RAY MAX. MODERATE CENTRIMETRIC BURSTS AND SHORT WAVE FADE THROUGH 18 MHZ WERE REPORTED. REGION 2490 (S13W04) PRODUCED A MIN/LARGE IB AT 1702Z (MAX). THE FLARE WAS A PARALLEL RIBBON STRUCTURE IN THE SOUTH CENTER AND TRAILER PORTION OF THE REGION. MODERATE CENTRIMETRIC BURSTS AND SHORT WAVE FADE THROUGH 15 MHZ WERE REPORTED. ALSO, SAN BERNARDINO REPORTED POST MAX LOOPS AT 1742Z. REGION 2490 IS REPORTED BY HOLLOWAY AS CURRENTLY UNDERGOING RAPID STRUCTURAL CHANGES. REGIONS 2500 (N10W37), 2501 (S23E42), 2502 (N19E77), AND 2503 (N14E34) HAVE BEEN ADDED TODAY. CULGOORA REPORTED A CORONAL NOISE SOURCE OVER REGION 2502. EAST LIMB PROMINENCES HAVE BEEN VERY ACTIVE TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE. REGION 2490 IS THE CURRENT DISK REGION EXPECTED TO PRODUCE THE ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD IS EXPECTED TO REMAIN ACTIVE THROUGH THE NEXT 36-48 HOURS AND THEN BECOME UNSETTLED.

III. EVENT PROBABILITIES 09 JUNE - 11 JUNE

CLASS M 80/80/80

CLASS X 05/05/05

PREDICTED 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JUNE 181

PREDICTED 09-11 JUNE 170/172/175

90-DAY MEAN 08 JUNE 2.02

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JUNE 29

ESTIMATED AFR/AP 08 JUNE 17/24

PREDICTED AFR/AP 09-11 JUNE 18/25 - 14/15 - 10/10

SOLTERWARN

BT