

HFUS 1 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 144

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 MAY 1980

IA. SOLAR ACTIVITY HAS BEEN QUIET. REGIONS 2470 (S20E31), 2469
(S12E30), 2466 (S08E18) ARE STILL A COMPLEX ASSOCIATION OF REGIONS.
2469, 2470 HAVE DEVELOPED ADDITIONAL TRAILER SPOTS, AND STILL SHOW
MOTION WITHIN THE REGIONS. THE NEUTRAL LINE PATTERN IS ALSO VERY
COMPLEX AMONG THESE REGIONS.

REGIONS 2465 (N16W10), 2464 (S24E06), 2456 (S13W43), HAVE SHOWN
ACTIVITY TO LOW FLARE LEVELS IN BOTH XRAY AND OPTICAL. REGION 2456
STILL CONTAINS ACTIVE FILAMENTS AND APPEARS TO BE DECAYING SLOWLY.

IB. SOLAR ACTIVITY WILL BE MODERATE. REGIONS 2469, 2470, 2466, 2456
ARE ALL LIKELY TO PRODUCE FLARES, AND APPEAR CAPABLE OF LARGE FLARES.
REGIONS 2465, 2464, 2475 MAY ALSO CONTINUE TO CONTRIBUTE ACTIVITY.

II. GEOMAGNETIC ACTIVITY HAS BEEN QUIET TO SLIGHTLY UNSETTLED. A
MINOR GEOMAGNETIC STORM IS STILL POSSIBLE WITHIN THE EARLY HOURS
OF THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 24 MAY - 26 MAY

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 15/10/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 MAY 278

PREDICTED 24 MAY - 26 MAY 280/278/278

90-DAY MEAN 23 MAY 194

V. GEOMAGNETIC 4 INDICES

OBSERVED FREDERICKSBURG 22 MAY 09

ESTIMATED AFR/AP 23 MAY 11/13

PREDICTED AFR/AP 24 MAY - 26 MAY 20/30 15/30 10/20

SOLTERWARN

BT