

HFUS 1 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 145

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 24 MAY 1980

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS, ALTHOUGH REGION 2466 (S08E05) DID PRODUCE AN M1/1B FLARE AT 23/2147Z. THE COMPLEX, COMPOSED OF REGIONS 2466, 2469 (S12E16), AND 2470 (S19E18), IS STILL THE MOST INTERESTING SECTION OF THE SUN, BUT IT DID NOT PRODUCE ANY SIGNIFICANT FLARE ACTIVITY TODAY. HOWEVER, REGIONS 2469 AND 2470 AGAIN DISPLAYED PROPER MOTION TOWARDS EACH OTHER.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE TO MODERATE LEVELS. X-CLASS ACTIVITIES POSSIBILITIES REMAIN GOOD AND MAY INCREASE FURTHER AS REGIONS 2469 AND 2470 CONTINUE THEIR MIGRATORY ACTIVITY.

II. THE UNSETLED GEOMAGNETIC ACTIVITY EXPERIENCED TODAY IS FORECAST TO CONTINUE.

III. EVENT PROBABILITIES 25 MAY -27 MAY

CLASS M 80/85/85

CLASS X 15/20/20

PREDICTED 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAY 283

PREDICTED 25-27 MAY 286/286/282

90-DAY MEAN 24 MAY 195

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 23 MAY 13

ESTIMATED AFR/AP 24 MAY 10/15

PREDICTED AFR/AP 25-27 MAY 14/22 - 10/15 - 08/12

SOLTERWARN

BT