

HFUS 1 B OU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDE NUMBER 045

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 FEBRUARY 1980

I.A. SOLAR ACTIVITY WAS LOW DURING THE LAST 24 HOURS, WITH ONLY
SMALL C-CLASS X-RAY EVENTS OCCURRING. THE LARGEST OPTICAL EVENT
WAS A 1 IN FLARE AT 0225Z (MAX) IN REGION 2276 (S10W64), WHICH HAS
CHANGED LITTLE IN SPOT AREA SINCE YESTERDAY. REGIONS 2281
(N08E23) AND 2283 (S20E47) WERE BOTH H-MAGNETIC CLASS BETTA-GAMMA
TODAY, BUT DID NOT PRODUCE ANY SIGNIFICANT FLARE ACTIVITY. THE
SOLAR MAXIMUM MISSION WAS LAUNCHED SUCCESSFULLY AT 1557Z TODAY.

I.B. SOLAR ACTIVITY IS PREDICTED TO BE AT MODERATE LEVELS, AL-
THOUGH THE CHANCE OF AN M-CLASS EVENT IS SLIGHTLY LOWER THAN IT
HAS BEEN THE PAST FEW DAYS. REGIONS 2276, 2281, AND 2283 OFFER
THE BEST MAJOR FLARE POTENTIAL.

II. MAGNETIC ACTIVITY REACHED ACTIVE LEVELS FOLLOWING A SUDDEN
COMMENCEMENT AT 0300Z, AND THEN DECREASED TO UNSETLED LEVELS
BY 1800Z. UNSETLED CONDITIONS ARE FORECAST FOR THE NEXT 72
HOURS.

III. EVENT PROBABILITIES 15 - 17 FEBRUARY

CLASS M 60/60/50

CLASS X 13/10/05

PREDICTION 25/05/05

PCAF GREEN

IV. OTTAWA 13.7 CM FLUX

OBSERVED 14 FEB 229

PREDICTED 15-17 FEB 205/203/203

9-DAY MEAN 14 FEB 206

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 13 FEB 03

ESTIMATED AFR/AP 14 FEB 15/20

PREDICTED AFR/AP 15-17 FEB 12/18 10/15 08/16

SOLTERWARN

BT