

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLORADO

SDF NUMBER 035

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 FEBRUARY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. ACTIVITY HAS BEEN CONFINED TO LOW LEVEL CLASS C X-RAY BURSTS AND OPTICAL SUBFLARES. REGIONS 1545 (N07W18); 1547 (N20W20); 1548 (S13E02); AND 1555 (S21E55) HAVE CONTRIBUTED TO THE FLARE ACTIVITY. NO MAGNETIC DATA HAS BEEN AVAILABLE THE PAST THREE DAYS; HOWEVER, H-ALPHA INFERENCE DOES NOT INDICATE ANY SIGNIFICANT DEGREE OF COMPLEXITY TO THE REGIONS.

B. REGIONS 1548 AND 1545 ARE THE LARGEST IN H-ALPHA STRUCTURE. THESE TWO REGIONS AND REGIONS 1555 AND 1556 (N16E57) SHOULD PRODUCE MOST OF THE FLARES DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE FORECAST DAYS, WITH SOME ACTIVE PERIODS DURING THE NEXT 24-36 HOURS.

III. EVENT PROBABILITIES 05 - 07 FEB

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 FEB 193

PREDICTED 05 - 07 FEB 194/195/196

90-DAY MEAN 04 FEB 179

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 FEB 07

ESTIMATED AFR/AP 04 FEB 16/20

PREDICTED AFR/AP 05 - 07 FEB 12/12 10/10 08/08

SOLIERWARN

BT