

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 005

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 JANUARY 1980

IA. SOLAR ACTIVITY WAS AGAIN IN THE LOW CATEGORY, BUT SEVERAL MORE FLARES WERE OBSERVED TODAY AS COMPARED TO YESTERDAY. THERE WERE ABOUT 18 FLARES, WITH MOST OF THEM PRODUCED BY REGION 2222 (N 13E 03), REGION 2228 (N 16E 52), AND REGION 2229 (N 19E 38). THE LARGEST FLARE OF THE DAY WAS A C9/SBLEVENT FROM REGION 2220 AT 1515Z (MAX). THE SECTION OF THE SUN NEAR REGION 2228 IS BECOMING MORE AND MORE INTERESTING WITH NEW NUMBERED REGIONS 2230 (N 11E 46), 2233 (N 18E 65), AND 2234 (N 12E 80) ALSO IN THE VICINITY.

IB. MODERATE LEVELS OF SOLAR ACTIVITY ARE EXPECTED FOR THE NEXT 24 HOURS. THE 2228 COMPLEX AND THE 2220/2221 COMPLEX OFFER GOOD M-CLASS EVENT POTENTIAL.

II. THE GEOMAGNETIC FIELD DECLINED TO SLIGHTLY UNSETLED LEVELS TODAY AND IS FORECAST TO CONTINUE TO DECLINE TO QUIETER LEVELS OF ACTIVITY.

III. EVENT PROBABILITIES 06-08 JAN

CLASS M 80/80/80

CLASS X 10/10/10

PREDICTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JAN 215

PREDICTED 06-108 JAN 225/225/227

90-DAY MEAN 05 JAN 219

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 JAN 12

ESTIMATED AFR/AP 05 JAN 08/10

PREDICTED AFR/AP 06-08 JAN 10/15 - 07/10 - 25/08

SOLIERWARN

BT