

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
2227 (N13E03), REGION 2228 (N16E52), AND REGION 2229 (N19E38).
THE LARGEST FLARE OF THE DAY WAS A C9/SB EVENT 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 (N11E46), 2233 (N18E65), AND 2234 (N12E80) 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 UNSETTLED 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

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JAN 215

PREDICTED 06-08 JAN 225/225/227

90-DAY MEAN 05 JAN 219

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 JAN 12

ESTIMATED AFR/AP 05 JAN 08/10

PREDICTED AFR/AP 06-08 JAN 10/15 - 07/10 - 05/08

SOLTERWARN

BT