

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 004

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 JANUARY 1980

IA. SOLAR ACTIVITY WAS LOW AGAIN TODAY, WITH ONLY A VERY FEW
C-CLASS X-RAY FLARES. REGIONS 2215 (S13W23) AND 2220 (N13E16)
WERE THE MOST ACTIVE AREAS, WITH THE REST OF THE SUN FAIRLY QUIET
TODAY, EXCEPT FOR SOME PROMINENCE ACTIVITY BEHIND THE NORTHEAST
LIMB.

IB. SOLAR ACTIVITY WILL BE MOSTLY LOW, WITH THE POTENTIAL FOR
AN ISOLATED M-CLASS EVENT. NEW REGION 2228 (N17E68) MAY OFFER
GOOD FLARE POTENTIAL DURING THE NEXT FEW DAYS.

II. THE GEOMAGNETIC FIELD WAS HIGHLY UNSETTLED TODAY. ACTIVITY
IS FORECAST TO SLOWLY DECLINE OVER THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 05-07 JAN

CLASS M 80/80/80

CLASS X 10/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 04 JAN 223

PREDICTED 05-07 JAN 226/229/231

90-DAY MEAN 04 JAN 219

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 JAN 14

ESTIMATED AFR/AP 04 JAN 13/15

PREDICTED AFR/AP 05-07 JAN 14/20 - 10/15 - 07/10

SOLTERWARN

BT