

HRUS 1 B.OU 0622 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SDF NUMBER 006

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 JANUARY 001P

I.A. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 2229 (N 19E 26) PRODUCED A M1/SN AT 1650Z (X-RAY MAX) WHICH PRODUCED A MODERATE SHORT-WAVE FADE. NO OPTICAL FLARE WAS REPORTED FOR A M1 AT 0905Z (X-RAY MAX). WEATHER HAS HAMPERED GROUND-BASED OBSERVATIONS. CLASS C FLARES HAVE ALSO OCCURRED IN REGIONS 2215 (S 15W 47), 2227 (S 20E 19), AND 2232 (S 12E 48). REGIONS 2229 AND 2232 HAVE BEEN REPORTED TO HAVE COMPACT AND MODERATE TO BRIGHT PLAGE STRUCTURE. REGION 2232 PRODUCED AN M9/1B AT 2134Z (X-RAY MAX).

I.B. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE WITH REGIONS 2229 AND 2232 BEING THE MAIN CONTRIBUTORS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED. THESE CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 07 - 09 JAN

CLASS M 80/80/90

CLASS X 10/10/15

PREDICTED 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JAN 233

PREDICTED 07-09 JAN 226/228/232

90-DAY MEAN 06 JAN 220

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 05 JAN 99

ESTIMATED AFRY/AP 06 JAN 06/09

PREDICTED AFR/AP 07-09 JAN 06/10 06/08 08/08

SOLTERWARM

BT