

HFUS 1 B.OU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 006

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 JANUARY 00IP

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 2229 (N19E26)
PRODUCED A M1/SN AT 1656Z (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 (S15W47), 2227
(S20E19), AND 2232 (S12E48). 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).

IB. 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 UNSETTLED.
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

PROTON 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 A INDICES

OBSERVED FREDERICKSBURG 05 JAN 09

ESTIMATED AFR/AP 06 JAN 06/09

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

SOLTERWARN

BT