

4FUS 1 BQU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 007

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 JANUARY 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 2232 (S12E37)
PRODUCED A M1/SB AT 1315Z (X-RAY MAX) AND A C6/1B AT 0155Z
(X-RAY MAX). ALL OPTICAL SITES WERE CLOUDY DURING A M2
WITH X-RAY MAX AT 1829Z. CLASS C FLARES HAVE ALSO OCCURRED IN REGIONS
2215 (S15W61), 2228 (N16E32), AND 2229 (N18E12). REGIONS
2229 AND 2232 HAVE CONTINUED A SLOW GROWTH IN SUNSPOT STRUCTURE.
ALSO, NEW FLUX (SPOTS) HAVE EMERGED NEAR THE LARGE SUNSPOT IN
REGION 2228. FOR THE SECOND DAY WEATHER HAS HINDERED GROUND BASE
OBSERVATIONS AND NO SOLAR MAGNETIC FIELD DATA IS AVAILABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE WITH REGIONS
2229 AND 2232 CONTRIBUTING TO THE CLASS M ACTIVITY. THE
EMERGING FLUX IN REGION 2228 SHOULD ADD TO THE FLARE PRODUCTION.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED
TO BE QUIET TO SLIGHTLY UNSETTLED THROUGH THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 08 - 10 JAN

CLASS M 90/90/90

CLASS X 15/15/15

PROTON 05/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JAN 236

PREDICTED 08-10 JAN 236/238/238

90-DAY MEAN 07 JAN 220

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 JAN 06

ESTIMATED AFR/AP 07 JAN 03/07

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

SOLIERWARN

BT