

HFUS 1 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 014

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 JANUARY 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS. AN
M3 X-RAY BURST OCCURRED WITH A MAXIMUM AT 14/0625Z (NO OPTICAL
FLARE WAS OBSERVED DUE TO POOR COVERAGE). REGION 2229 (N20W80)
FLARE ACTIVITY HAS DIMINISHED MARKEDLY SINCE YESTERDAY. ABOUT
TEN C-CLASS SUBFLARES HAVE BEEN PRODUCED BY OTHER REGIONS ON THE
DISK.

IB. SOLAR ACTIVITY IS EXPECTED TO DECLINE FURTHER AS REGION 2229
CLIMBS ASTRIDE THE WEST LIMB AND OTHER REGIONS REMAIN STABLE.

II. GEOMAGNETIC ACTIVITY HAS BEEN AT MILDLY UNSETTLED LEVELS SINCE
THE BEGINNING OF THE UT DAY. THE GEOMAGNETIC FIELD IS EXPECTED TO
BE UNSETTLED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 15 JANUARY - 17 JANUARY

CLASS M 90/80/70

CLASS X 25/15/10

PROTON 15/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 JANUARY 211

PREDICTED 15-17 JANUARY 199/190/185

90-DAY MEAN 14 JANUARY 222

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 JANUARY 20

ESTIMATED AFR/AP 14 JANUARY 07/09

PREDICTED AFR/AP 15-17 JANUARY 08/10 - 10/12 - 08/10

SOLTERWARN

BT