

HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 015

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 JANUARY 1980

IA. SOLAR ACTIVITY HAS SUDDENLY DROPPED TO LOW LEVELS. REGION 2229
(N20W90) HAS NEARLY PASSED OUT OF SIGHT OVER THE WEST LIMB WITHOUT
CREATING ADDITIONAL DISTURBANCE. THE OTHER REGIONS CURRENTLY VISIBLE
ON THE SOLAR DISK ARE RELATIVELY SMALL AND SIMPLE NON-ENERGETIC REGIONS.
NINE GENERALLY SMALL C-CLASS X-RAY BURSTS HAVE BEEN OBSERVED SINCE
THE BEGINNING OF THE UT DAY, MOSTLY WITHOUT OPTICAL ASSOCIATION.
FIVE NEW REGIONS HAVE BEEN NUMBERED TODAY, THREE APPEARING AT EAST
LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE FAIRLY LOW UNTIL ADDI-
TIONAL ACTIVE REGION DEVELOPMENT TAKES PLACE ON THE SUN.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.
CONDITIONS ARE EXPECTED TO BE MILDLY UNSETTLED DURING THE NEXT 24
HOURS.

III. EVENT PROBABILITIES 16 JANUARY - 18 JANUARY

CLASS M 40/30/20

CLASS X 10/05/01

PROTON 05/01/01

PCAF YELLOW

V. OTTAWA 10.7 CM FLUX

OBSERVED 15 JANUARY 207

PREDICTED 16-18 JANUARY 203/197/190

90-DAY MEAN 15 JANUARY 222

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 14 JANUARY 07

ESTIMATED AFR/AP 15 JANUARY 03/06

PREDICTED AFR/AP 16-18 JANUARY 07/10 10/12 07/10

SOLTERWARN

BT