

HFUS-1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 356

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 22/2200Z DECEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. SEVERAL SMALL C-CLASS X-RAY FLARES HAVE OCCURRED ONLY ONE OF WHICH HAS HAD OPTICAL CORRELATION, A C1/SN FROM REGION 1459 (S23W59) AT 1308 U.T. REGION 1467 (N2SW36) HAS HAD TWO SF FLARES 1620 U.T. AND 1720 U.T. AT 1842 U.T. A M1 X-RAY FLARE OCCURRED THIS FLARE IS THOUGHT TO HAVE OCCURRED FROM 1462 (N20W87).

IB. SOLAR ACTIVITY SHOULD BE LOW AS REGION 1462 PASSES THE WEST LIMB.

II. THE GEOMAGNETIC FIELD WAS ACTIVE. THE FIELD WILL REMAIN ACTIVE FOR 12 HOURS THEN BECOME UNSETTLED TILL END OF FORECAST PERIOD WHEN CONDITIONS WILL BECOME QUIET.

III. EVENT PROBABILITIES 23-25 DECEMBER

CLASS M 10/05/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 DECEMBER 137

PREDICTED 23-25 DECEMBER 134/132/132

90-DAY MEAN 22 DECEMBER 162

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 DECEMBER 09

ESTIMATED AFR/AP 22 DECEMBER 18/18

PREDICTED AFR/AP 23-25 DECEMBER 08/08 - 06/06 - 06/06

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HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 356

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 DECEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 2208 (S11E51) PRODUCED A SUBNORMAL FLARE AT 220519Z (MAX) THAT WAS ASSOCIATED WITH THE ONLY "M" CLASS XRAY EVENT OBSERVED TODAY. SEVERAL C CLASS XRAY BURST HAVE BEEN OBSERVED FROM RANDOM SOURCES. REGION 2209 (S07W58) PRODUCED A 1F FLARE AT 220612Z (MAX) WHICH IS THE LARGEST OPTICAL FLARE REPORTED. REGION 2204 (S16W07) IS STILL THE LARGEST, MOST COMPLEX REGION ON THE DISK BUT ITS "E" TYPE SPOT GROUP IS SMALLER THAN YESTERDAY. THE DELTA CONFIGURATION IN 2204 IS NO LONGER VISIBLE.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE WITH 2204 AND 2208 CONTINUING TO POSE A THREAT FOR "M" CLASS ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. NO SIGNIFICANT CHANGES ARE EXPECTED.

III. EVENT PROBABILITIES 23 DEC - 25 DEC

CLASS M 70/70/70

CLASS X 30/30/30

PROMPTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 DEC 181

PREDICTED 23-25 DEC 180/180/180

50-DAY MEAN 22 DEC 224

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 21 DEC 03

ESTIMATED AFR/AP 22 DEC 13/18

PREDICTED AFR/AP 23-25 DEC 12/15 08/12 08/10

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