

HFUS 1 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 358

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 DECEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. AN OCCASIONAL "C" CLASS X-RAY BURST FROM UNKNOWN SOURCES IS THE ONLY ACTIVITY BEING NOTED. REGION 1460 (N12W39) IS THE LARGEST REGION ON THE DISK BUT IS SIMPLE IN STRUCTURE. SEVERAL NEW REGIONS HAVE APPEARED SINCE YESTERDAY. REGION 1473 (S24E16) WAS BORN ON THE DISK AND REGIONS 1474 (N12E51), 1475 (S29E70) AND 1476 (S13E75) ROTATED OVER THE EAST LIMB. REGION 1475 APPEARS TO BE THE MOST COMPLEX OF THE THREE WITH ITS CLASS D SPOT GROUP. NO OTHER REGIONS APPEAR TO BE A THREAT FOR SIGNIFICANT ACTIVITY.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO ONLY SLIGHTLY UNSETLED. NO SIGNIFICANT CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 25 DECEMBER - 27 DECEMBER

CLASS M 15/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 DECEMBER 143

PREDICTED 25-27 DECEMBER 146/150/154

90-DAY MEAN 24 DECEMBER 161

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 23 DECEMBER 07

ESTIMATED AFR/AP 24 DECEMBER 07/07

PREDICTED AFR/AP 25-27 DECEMBER 06/06 - 06/06 - 05/05

SOLTERWARN

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SDF NUMBER 358

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 DECEMBER 1979

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS. ONLY C-CLASS XRAY EVENTS WERE OBSERVED, WITH MOST OF THESE OCCURRING IN REGION 2208 (S14E20). ONLY EIGHT SPOTTED REGIONS EXISTED TODAY AND NONE OF THESE WERE VERY INTERESTING.

IB. SOLAR WILL BE LOW TO OCCASIONALLY MODERATE FOR THE NEXT 24 HOURS, WITH A CHANCE OF AN ISOLATED M-CLASS EVENT FROM REGION 2208 OR REGION 2204 (S16W38), WHICH BOTH POSSESS BETA-GAMMA MAGNETIC CONFIGURATIONS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS. IT IS EXPECTED TO BECOME SLIGHTLY UNSETTLED ON 26 AND 27 DEC, DUE TO A WEAK SECTOR BOUNDARY.

III. EVENT PROBABILITIES 25 DEC - 27 DEC

CLASS M 60/60/50

CLASS X 10/05/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 DEC 166

PREDICTED 25 - 27 DEC 166/167/173

90-DAY MEAN 24 DEC 222

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 23 DEC 02

ESTIMATED AFR/AP 24 DEC 07/10

PREDICTED AFR/AP 25 DEC - 27 DEC 07/08 10/10 10/12

SOLTERWARN,

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