

VT

HFUS 1 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 336

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 DECEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY
LIMITED OPTICAL REPORTS HAVE BEEN RECEIVED DUE TO INCLEMENT
WEATHER. THE 1429 (S18E13)/1432 (S20E24) COMPLEX CONTINUES TO
SHOW SLOW GROWTH. A 1N/C8 FLARE OCCURRED BETWEEN THESE TWO REGIONS
AT 0439 UT. SEVERAL SUBFLARES AND C-CLASS X-RAY EVENTS HAVE ALSO
OCCURRED IN THIS COMPLEX. REGION 1434 (S26W51) HAS SHOWN GROWTH
AND HAS PRODUCED A FEW SUBFLARES (NO ASSOCIATED X-RAY EVENTS). NEW
REGIONS 1436 (S28W11), 1437 (S30E00), 1438 (N28E37), 1439 (S21E45)
AND 1441 (S17E60) ARE B-TYPE GROUPS. NEW REGION 1440 (S34E52) IS
AN A-TYPE GROUP AND NEW REGION 1442 (S23E72) IS A C-TYPE GROUP.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT LOW TO MODERATE LEVELS
DURING THE NEXT 24 HOURS. THE 1429/1432 COMPLEX REMAINS CAPABLE
OF PRODUCING ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE LAST 24 HOURS. THE
EXPECTED GEOMAGNETIC DISTURBANCE DID NOT OCCUR. QUIET CONDITIONS
ARE EXPECTED FOR THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 03 DECEMBER - 05 DECEMBER

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 DECEMBER 172

PREDICTED 03-05 DECEMBER 171/169/166

90-DAY MEAN 02 DECEMBER 157

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 DECEMBER 08

ESTIMATED AFR/AP 02 DECEMBER 04/04

PREDICTED AFR/AP 03-05 DECEMBER 04/05 - 05/08 - 05/08

SOLTERWARN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 336

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 DECEMBER 1979

I A. SOLAR ACTIVITY HAS CONTINUED AT A LOW LEVEL DURING THE PAST 24 HOURS. SEVERAL SMALL C CLASS X-RAY EVENTS HAVE BEEN RECORDED. THE LARGEST WAS A C2/SF FROM REGION 2161 (S24E 63) AT 1258 U.T. REGION 2153 (S19E 08) CONTINUES TO EXHIBIT GROWTH. NEW REGIONS TODAY ARE 2162 (S1SE 75), OLD REGION 2106 WHICH PRODUCED SEVERAL M CLASS AND ONE X CLASS X-RAY EVENTS LAST ROTATION, AND 2163 (N23E 78) OLD REGION 2101.

I B. SOLAR ACTIVITY IS EXPECTED TO INCREASE AS ACTIVE REGIONS ARE DUE TO RETURN DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED TO QUIET DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 - 05 DECEMBER

CLASS M 20/30/40

CLASS X 01/01/05

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 DEC 180

PREDICTED 03-05 DEC 185/195/200

90-DAY MEAN 02 DEC 218

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 01 DEC 07

ESTIMATED AFR/AP 02 DEC 12/11

PREDICTED AFR/AP 03-05 DEC 08/08 08/12 08/14

SOLTERWARN

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