

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 IN/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

IA. 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 (S24E63) AT 1258 U.T.
REGION 2153 (S19E08) CONTINUES TO EXHIBIT GROWTH. NEW REGIONS
TODAY ARE 2162 (S16E75), OLD REGION 2106 WHICH PRODUCED SEVERAL
M CLASS AND ONE X CLASS X-RAY EVENTS LAST ROTATION, AND 2163
(N23E78) OLD REGION 2101.

IB. 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

PROTON 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 A 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

BT