

HFUS 3 BOU 010530  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 335A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 01 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. X-RAY LEVELS HAVE BEEN  
CHARACTERIZED BY FREQUENT SHARP RISES TO JUST BELOW CLASS C LEVELS.  
PRESUMABLY REGION 947 (S20E67) IS THE SOURCE OF THE X-RAY ENHANCE-  
MENTS AND CULGOORA REPORTED A SF AT 30/2026Z AND A SN AT 30/2347Z  
BOTH FROM REGION 947. NO OTHER DISK OR LIMB ACTIVITY HAS BEEN  
NOTED.

IB. SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW. REGION 947 APPEARS  
CAPABLE OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST EIGHT HOURS.  
QUIET TO SLIGHTLY UNSETLED CONDITIONS ARE FORECAST THRU THE  
PERIOD.

III. EVENT PROBABILITIES 01 DECEMBER - 03 DECEMBER

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 NOVEMBER 88

PREDICTED 01-03 DECEMBER 90/92/94

90-DAY MEAN 30 NOVEMBER 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 NOVEMBER 06

ESTIMATED AFR/AP 30 NOVEMBER 07/12

PREDICTED AFR/AP 01-03 DECEMBER 08/08 - 08/08 - 10/10

SOLTERWARN

BT

HFUS 3 BOU 011500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 335B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 01 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. THERE WERE TWO C-CLASS X-RAY EVENTS AT 0622Z AND 0958Z, PRESUMABLY FROM REGION 947. REGION 947 (S20E58) HAS SHOWN SOME GROWTH AND POINT BRIGHTENINGS HAVE BEEN REPORTED. THE REST OF THE DISK/LIMB HAS BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW. REGION 947 HAS THE POTENTIAL FOR POSSIBLE M-CLASS XRAY ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 01 DECEMBER - 03 DECEMBER

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 NOVEMBER 88

PREDICTED 01-03 DECEMBER 90/92/94

90-DAY MEAN 30 NOVEMBER 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 NOVEMBER 06

ESTIMATED AFR/AP 30 NOVEMBER 07/12

PREDICTED AFR/AP 01-03 DECEMBER 08/08 - 08/08 - 10/10

SOLTERWARN

BT

HFUS 1 BOU 01/2200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 335

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 01 DEC 1977

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 946 (N19W01) HAS REFORMED  
INTO A B-TYPE GROUP WITH 2 SPOTS. IT PRODUCED A SUBNORMAL FLARE  
AT 1620Z. REGION 947 (S20E53) NOW IS A D-TYPE GROUP WITH 12 SPOTS.

II. WILSON REPORTS THE TRAILER SPOTS HAVE A DELTA CONFIGURATION.  
THREE SUBNORMAL FLARES WERE PRODUCED; AT 1555Z, 1743Z, AND 1802Z.  
THE REST OF THE DISK/LIMB HAS BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 947 IS SHOWING  
GREATER COMPLEXITY AND HAS THE POTENTIAL FOR AN M-CLASS FLARE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TODAY. QUIET TO SLIGHTLY  
UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 02 - 04 DEC

CLASS M 20/20/20

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 DEC 91-

PREDICTED 02 - 04 DEC 95/97/99

90-DAY MEAN 01 DEC 97

V. GEOMAGNETIC A INDICES NOV

OBSERVED FREDERICKSBURG 31 DEC 08

ESTIMATED AFR/AP 01 DEC 04/04

PREDICTED AFR/AP 02 - 04 DEC 08/08 - 10/10 - 08/10

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