

HFUS 3 BOU 240600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 358A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 24 DEC 1977

IA. SOLAR ACTIVITY WAS VERY LOW DURING THE PAST EIGHT HOURS. REGION
965 (S27W35) HAS SHOWN PLAGE FLUCTUATIONS TO INTENSITY 4 AND SOME
SPOT GROWTH. OTHER DISK REGIONS WERE GENERALLY STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A VERY LOW LEVEL FOR THE
REST OF THE FORECAST PERIOD, WITH A FEW CLASS C FLARES LIKELY.

II. THE GEOMAGNETIC FIELD WAS QUIET DURING THE PAST EIGHT HOURS AND
SHOULD REMAIN SO FOR THE REST OF THE ZULU DAY.

III. EVENT PROBABILITIES 24-26 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 DEC 94

PREDICTED 24 - 26 DEC 95/96/98

90-DAY MEAN 23 DEC 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 DEC 04

ESTIMATED AFR/AP 23 DEC 03/03

PREDICTED AFR/AP 24-26 DEC 05/07 - 07/08 - 08/12

SOLTERWARN

BT

HFUS 3 BOU 241500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 358B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 24 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. HOWEVER THREE LOW LEVEL CLASS
C X-RAY EVENTS HAVE OCCURRED DURING THE PAST 3 HOURS. NO OPTICAL
COUNTER PART REPORTS HAVE YET BEEN RECEIVED. REGION 965 (S28W39)
HAS SHOWN A STEADY GROWTH DURING THE PAST 15 HOURS. MINOR CHANGES
ARE OCCURRING IN REGION 966 (N18E66) AND REGION 963 (N22W07) IS
STABLE.

IB. CLASS C X-RAY EVENTS ARE EXPECTED TO CONTINUE WITH SOLAR ACTIVITY
VERY LOW TO LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO SLIGHTLY UNSETTLED
CONDITIONS ARE EXPECTED OVER THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 24 DECEMBER - 26 DECEMBER

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 DECEMBER 94

PREDICTED 24-26 DECEMBER 95/96/98

90-DAY MEAN 23 DECEMBER 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 DECEMBER 04

ESTIMATED AFR/AP 23 DECEMBER 03/03

PREDICTED AFR/AP 24-26 DECEMBER 05/07 - 07/08 - 08/12

SOLTERWARN

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HFUS 1 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 358

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW TO LOW. THERE HAVE BEEN FIVE
CLASS C X-RAY EVENTS DURING THE PAST 24 HOURS. A C3 AT 24/1300Z
PRODUCED A 23 F.U. BURST AT 2700 MHZ AND IF/C4 AT 24/2013Z PRODUCED
AN 8 F.U. BURST AT 27 MHZ. REGIONS 963 (N22W10), 965 (S28W44) AND
966 (N20E64) ARE ALL UNDERGOING STRUCTURAL GROWTH CHANGES.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW WITH THE
FREQUENCY OF CLASS C ACTIVITY INCREASING. THERE IS A CHANCE FOR A
CLASS M EVENT. OLD REGION 947 (S21, L-200) IS DUE BACK THE LATTER
PART OF 26 DECEMBER.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED TO
BE SLIGHTLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 25 DECEMBER - 27 DECEMBER

CLASS M 10/10/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 DECEMBER 97

PREDICTED 25-27 DECEMBER 98/100/102

90-DAY MEAN 24 DECEMBER 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 DECEMBER 04

ESTIMATED AFR/AP 24 DECEMBER 04/04

PREDICTED AFR/AP 25-27 DECEMBER 07/08 - 08/12 - 08/13

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