

MFUS 3 BOU 250600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 359-A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 25 DEC 1977

IA. SOLAR ACTIVITY WAS VERY LOW DURING THE PAST EIGHT HOURS. NO
SIGNIFICANT X-RAY ENHANCEMENTS FROM THE DISK'S THREE ACTIVE REGIONS
WERE DETECTED. REGIONS 965 (S26W47), A D-TYPE GROUP, HAS SHOWN
OCCASIONAL PLAGE FLUCTUATIONS, WHILE THE OTHER REGIONS WERE GENERALLY
STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW DURING THE REST
OF THE FORECAST PERIOD. INTERMITTENT C-CLASS X-RAY ACTIVITY IS
LIKELY WITH ISOLATED M-CLASS ACTIVITY POSSIBLE.

II. THE GEOMAGNETIC FIELD WAS QUIET DURING THE PAST EIGHT HOURS.
QUIET TO SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED THROUGH 27
DECEMBER.

III. EVENT PROBABILITIES 25 - 27 DEC

CLASS M 10/10/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 DEC 97

PREDICTED 25 - 27 DEC 98/100/102

90-DAY MEAN 24 DEC 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 DEC 04

ESTIMATED AFR/AP 24 DEC 04/04

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

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HFUS 3 BOU 251500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 359B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 25 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST NINE HOURS. NO
OPTICAL FLARES WERE REPORTED DURING THAT TIME, BUT A C2 X-RAY BURST
WAS OBSERVED WHICH HAD THE SIGNATURE OF A BEYOND-THE-LIMB EVENT.
PERHAPS OLD REGION 947 IS STILL ACTIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. REGION 947 IS DUE
BACK ON 26 DECEMBER, SO SPECIAL ATTENTION MUST BE GIVEN THE SOUTH-
EAST LIMB. THE REGIONS ON THE DISK MAY PRODUCE OCCASIONAL C-CLASS
FLARES. M-CLASS OR GREATER EVENTS ARE NOT EXPECTED DURING THE
FORECAST PERIOD.

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

III. EVENT PROBABILITIES 25 DECEMBER - 27 DECEMBER 1977

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

SOLTERWARN

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HFUS 1 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 359

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. A C2 X-RAY BURST OCCURRED AT 25/1126Z WITH THE TYPICAL SIGNATURE OF A BEHIND-THE-LIMB EVENT. BEGINNING AT 1820Z, POINT BRIGHTENINGS AND SUBFLARE ACTIVITY, ACCOMPANIED BY C-CLASS X-RAY BURSTS, WERE OBSERVED ALMOST CONTINUOUSLY IN REGION 965 (S27W57). THERE IS EVIDENCE OF RESTRUCTURING IN THAT REGION. OTHERWISE, THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. THERE IS NOT MUCH POSSIBILITY OF M-CLASS X-RAY ACTIVITY WITHOUT SUBSTANTIAL DEVELOPMENT IN REGION 965 OR THE APPEARANCE OF AN ERUPTIVE REGION AT THE EAST LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE GENERALLY QUIET TO UNSETTLED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 26-28 DECEMBER 1977

CLASS M 10/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 DECEMBER 100

PREDICTED 26-28 DECEMBER 102/103/105

90-DAY MEAN 25 DECEMBER 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 DECEMBER 05

ESTIMATED AFR/AP 25 DECEMBER 05/05

PREDICTED AFR/AP 26-28 DECEMBER 08/08 - 08/13 - 12/15

SOLTERWARN

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