

HFUS 3 BOU 170600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 351A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 17 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS WITH
NO FLARES REPORTED. SEVEN SMALL ACTIVE REGIONS ARE VISIBLE ON THE
SOLAR DISK, BUT ALL ARE PRESENTLY QUIET. REGIONS 959 (S22W02),
961 (N16E20) AND 962 (S12E34) ALL APPEAR TO BE GROWING SLOWLY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE NEXT
24 HOURS. IF ACTIVE REGION DEVELOPMENT AND GROWTH CONTINUE, OCCASIONAL
SMALL C-CLASS SUBFLARES SHOULD OCCUR ON 18 DECEMBER.

II. THE GEOMAGNETIC FIELD WAS QUIET UNTIL THE LAST HOUR OF THE UT
DAY ON 16 DECEMBER, WHEN THE FIELD BECAME ABRUPTLY UNSETTLED.
THE FIELD IS EXPECTED TO BE UNSETTLED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 17 DECEMBER - 19 DECEMBER 1977

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 DECEMBER 96

PREDICTED 17-19 DECEMBER 95/95/95

90-DAY MEAN 16 DECEMBER 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 DECEMBER 05

ESTIMATED AFR/AP 16 DECEMBER 09/08

PREDICTED AFR/AP 17 - 19 DECEMBER 11/12 - 07/08 - 10/10

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HFUS 3 BOU 171500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 351-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 17 DEC 1977

IA. SOLAR ACTIVITY REMAINS VERY LOW. EXTREAMELY POOR SEEING AT ALL
SITES SINCE OUR LAST REPORT BUT X-RAY TRACES WERE FAIRLY STEADY.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO VERY LOW.

II. THE GEOMAGNETIC FIELD RETURNED TO QUIET CONDITIONS NEAR
17/0900Z. THE FIELD IS EXPECTED TO BE QUIET TO SLIGHTLY UNSETTLED
THRU THE REST OF THE PERIOD.

III. EVENT PROBABILITIES 17 - 19 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 DEC 96

PREDICTED 17 - 19 DEC 95/95/95

90-DAY MEAN 16 DEC 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 DEC 05

ESTIMATED AFR/AP 16 DEC 09/08

PREDICTED AFR/AP 17 - 19 DEC 11/12 - 07/08 - 10/10

SOLTERWARN

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HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 351

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 DEC 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. NEW REGION 963 (N23E 85)
SHOULD BE RETURN OF 945. PLAGE IS BRIGHT AND AN ASR IS PRESENT AND
CULGOORA REPORTED SUBFLARES FROM THE REGION EARLY IN THE DAY.
REGION 959 (S22W 19) CONTINUES TO DAY AND OTHER DISK REGIONS AND THE
LIMBS ARE QUIET.

IB. SOLAR ACTIVITY SHOULD BE VERY LOW. REGION 963 MAY PRODUCE
CLASS C X-RAY EVENTS BUT LAST ROTATION 945 WAS NOT ACTIVE.

II. THE GEOMAGNETIC FIELD WAS ACTIVE THE FIRST NINE HOURS OF
THIS ZULU DAY AND THEN BECAME QUIET. THE FIELD SHOULD BE
GENERALLY QUIET THRU THE PERIOD.

III. EVENT PROBABILITIES 18 - 20 DEC

CLASS M 01/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 DEC 94

PREDICTED 18 - 20 DEC 95/96/97

90-DAY MEAN 17 DEC 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 DEC 09

ESTIMATED AFR/AP 17 DEC 09/12

PREDICTED AFR/AP 18 - 20 DEC 07/08 - 07/07 - 07/07

SOLTERWARN

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