

HFUS 3 BOU 230600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 357A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 23 DEC 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 8 HOURS. SURGES
ARE STILL OCCURRING AT NE 17. SOME PLAGE HAS ROTATED ONTO THE DISK
BUT NO SPOTS ARE YET VISIBLE. A WEAK TYPE I RF STORM CONTINUES FROM
THE CORONA ABOVE THE AREA. THE REST OF THE DISK/LIMB HAS BEEN QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 8 HOURS.
GENERALLY QUIET CONDITIONS ARE EXPECTED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 23 DEC-25 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 DEC 93

PREDICTED 23-25 DEC 93/94/96

90-DAY MEAN 22 DEC 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 DEC 05

ESTIMATED AFR/AP 22 DEC 02/04

PREDICTED AFR/AP 23-25 DEC 07/07 - 07/07 - 05/05

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HFUS 3 BOU 231500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 357-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 23 DEC 1977

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH TWO LOW LEVEL X-RAY EVENTS DURING THE PAST 15 HOURS. REGION 963 (N22E06) CONTINUES TO EXHIBIT OCCASIONAL ENHANCEMENT FLUCTUATIONS. REGION 966 (NEAR NE 17) IS ROTATING ONTO THE DISK WITH MODERATELY BRIGHT PLAGE AND PENUMBRAL SPOTS. SURGE/PROMINENCE ACTIVITY AND NEAR FLARE BRIGHTENINGS ARE CONTINUING. THE TYPE I RADIO STORM REPORTED BY CULGOORA 22 DEC IS ASSOCIATED WITH THIS REGION.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW WITH 4-8 CLASS C LEVEL EVENTS PER DAY EXPECTED FROM REGION 966.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 48 - 60 HOURS.

III. EVENT PROBABILITIES 23 DEC-25 DEC

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 DEC 93

PREDICTED 23-25 DEC 93/94/96

90-DAY MEAN 22 DEC 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 DEC 05

ESTIMATED AFR/AP 22 DEC 02/04

PREDICTED AFR/AP 23-25 DEC 07/07 - 07/07 - 05/05

SOLTERWARN

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HFUS 1 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 357

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 DEC 1977

IA. SOLAR ACTIVITY REMAINS VERY LOW. TWO LOW LEVEL CLASS C X-RAY
EVENTS HAVE OCCURRED DURING THE PAST 24 HOURS. REGIONS 963
(N22E02) AND 965 (S28W30) ARE ESSENTIALLY QUIET BUT BOTH ARE
SHOWING STRUCTURAL CHANGES. REGION 966 (N18E75) IS NOW ON THE DISK.
THIS REGION HAS TWO SPOTS HAVING A N/S ORIENTATION. OCCASIONAL
POINT BRIGHTENING TO NEAR FLARE INTENSITY CONTINUE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. CLASS C
X-RAY EVENTS ARE EXPECTED BUT THE REGIONS CURRENTLY DO NOT APPEAR
CAPABLE OF CLASS M EVENTS.

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

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 FLUS

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 03/04

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

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