

HFUS 3 BOU 130530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 13 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. REGION 950 (S25W27) HAS PRODUCED SEVERAL FLARES INCLUDING TWO 1 NORMAL FLARES BUT THE X-RAY BURSTS HAVE ALL BEEN VERY LOW. REGION 950 IS THE ONLY ACTIVE REGION ON THE VISIBLE DISK. THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. REGION 950 IS CAPABLE OF PRODUCING SOME ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD IS SLIGHTLY UNSETTLED AND IS EXPECTED TO CONTINUE AT THAT LEVEL.

III. EVENT PROBABILITIES 13 DECEMBER - 15 DECEMBER

CLASS M 70/70/70

CLASS X 30/30/30

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 DECEMBER 114

PREDICTED 13-15 DECEMBER 110/110/108

90-DAY MEAN 12 DECEMBER 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 DECEMBER 34

ESTIMATED AFR/AP 12 DECEMBER 15/19

PREDICTED AFR/AP 13-15 DECEMBER 10/12 - 08/10 - 07/06

SOLTERWARN

BT

HFUS 3 BOU 131500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 13 DEC 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST EIGHT HOURS WITH NO
FLARES REPORTED OR SIGNIFICANT X-RAY BURSTS OBSERVED. REGION
950 (S25W31) HAS SHOWN DECAY OVERNIGHT AND RAMEY REPORTS ONLY
RUDIMENTARY PENUMBRA REMAINS ON INTERMEDIATE AND TRAILER SPOTS.
REGION 947 HAS PASSED OVER THE LIMB NEAR SW21 WHERE AN ASR IS IN
PROGRESS. OTHER REGIONS ARE STABLE.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGION 950 REMAINS
THE MOST LIKELY SOURCE OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED THRU THE
NIGHT. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED THRU THE PERIOD.

III. EVENT PROBABILITIES 13-15 DEC

CLASS M 70/70/70

CLASS X 30/30/30

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 DEC 114

PREDICTED 13-15 DEC 110/110/108

90-DAY MEAN 12 DEC 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 DEC 34

ESTIMATED AFR/AP 12 DEC 15/18

PREDICTED AFR/AP 13-15 DEC 10/12 - 08/10 - 07/06

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HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS. SEVERAL
SUB FLARES HAVE BEEN OBSERVED WITH A C-2/IN FLARE AT 13/0139Z FROM
REGION 950 (S26W35) BEING THE MOST SIGNIFICANT. REGION 950 HAS
SHOWN CONSIDERABLE DECAY IN BOTH WHITE LIGHT AND H-ALPHA. NEW
REGION 958 (S23E14) IS A B TYPE GROUP AND QUIET. A VERY LARGE
PROMINANCE IS PRESENT AT NW40 AND OTHER DISK REGIONS ARE STABLE.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW. ENERGETIC ACTIVITY IS
POSSIBLE FROM REGION 950 AS DECAY CONTINUES.

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

III. EVENT PROBABILITIES 14 - 16 DEC

CLASS M 60/60/50

CLASS X 30/30/20

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 DEC 104

PREDICTED 14 - 16 DEC 101/99/97

90-DAY MEAN 13 DEC 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 DEC 18

ESTIMATED AFR/AP 13 DEC 10/10

PREDICTED AFR/AP 14 - 16 DEC 08/10 - 06/06 - 06/05

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