

HFUS 3 BOU 120530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 346A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 12 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 8 HOURS. REGION
950 (S24W15) HAS PRODUCED TWO FLARES - AN M-5 (1B) AT 11/2145Z AND
AN M-3 (SN) AT 12/0218Z. THE REGION OTHERWISE APPEARS STABLE. THE
REST OF THE DISK/LIMB HAS BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. REGION 950 IS
EXPECTED TO PRODUCE CLASS C AND M EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE FOR THE PAST 8 HOURS.
GENERALLY ACTIVE CONDITIONS ARE EXPECTED TODAY, WITH UNSETTLED
CONDITIONS EXPECTED DECEMBER 13 AND 14.

II. EVENT PROBABILITIES 12 DECEMBER - 14 DECEMBER

CLASS M 70/70/70

CLASS X 30/30/30

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 DECEMBER 111

PREDICTED 12-14 DECEMBER 110/108/106

90-DAY MEAN 11 DECEMBER 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 DECEMBER 05

ESTIMATED AFR/AP 11 DECEMBER 33/36

PREDICTED AFR/AP 12-14 DECEMBER 15/18 - 10/12 - 08/10

SOLTERWARN

BT

HFUS 3 BOU 121500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 346B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 12 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 8 HOURS. FIVE C-CLASS
X-RAY EVENTS HAVE OCCURRED. REGION 950 (S25W20) APPEARS TO BE
REMAINING ACTIVE. THE REMAINDER OF THE DISK HAS BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE THIS PERIOD WITH
REGION 950 PRODUCING THE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN BASICALLY UNSETTLED THE PAST 8
HOURS. THE GEOMAGNETIC STORM HAS ENDED AND THE FIELD IS EXPECTED TO
BE AT ACTIVE TO UNSETTLED LEVELS THIS PERIOD.

III. EVENT PROBABILITIES 12 DECEMBER - 14 DECEMBER

CLASS M 70/70/70

CLASS X 30/30/30

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 DECEMBER 111

PREDICTED 12-14 DECEMBER 110/108/106

90-DAY MEAN 11 DECEMBER 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 DECEMBER 05

ESTIMATED AFR/AP 11 DECEMBER 33/36

PREDICTED AFR/AP 12-14 DECEMBER 15/18 - 10/12 - 08/10

SOLTERWARN

BT

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 346

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 DEC 1977

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE THE PAST 24 HOURS.

REGION 950 (S26W23) PRODUCED AN M-2 X-RAY FLARE AT 12/0235Z AND
SEVERAL "C" CLASS EVENTS. REGION 950 IS AN "F" TYPE GROUP WITH
61 SPOTS AND SLIGHTLY DECAYING. THE OTHER FIVE REGIONS ON THE
DISK HAVE BEEN QUIET.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE THE NEXT 24 HOURS WITH
REGION 950 PREDOMINATING THE ACTIVITY.

II. THE MINOR GEOMAGNETIC STORM DUE TO A CORONAL HOLE PASSAGE HAS
SUBSIDED. THE FIELD HAS BEEN AT UNSETTLED LEVELS SINCE 12/0600Z
AND IS EXPECTED TO CONTINUE UNSETTLED FOR THE NEXT 24 HOURS.

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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