

HFUS 3 BOU 110600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 042A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 11 FEB 1978

I A. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST EIGHT HOURS. THE
997/999 COMPLEX APPEARS TO BE THE MOST ACTIVE AREA
THIS PERIOD. THE REMAINDER OF THE DISK AND LIMB APPEAR RELATIVELY STABLE.
I B. SOLAR ACTIVITY WILL CONTINUE AT A MODERATE LEVEL THE NEXT EIGHT
HOURS. REGIONS 995, 997/999 AND 1001 ARE THE MOST ACTIVE.
II. GEOMAGNETIC ACTIVITY HAS BEEN QUIET THIS PERIOD. THE FIELD IS EX-
PECTED TO BE QUIET TO UNSETTLED THE NEXT EIGHT HOURS AND UNSETTLED
TO ACTIVE UNTIL 12 FEB WHEN A MAGSTORM IS POSSIBLE.

III. EVENT PROBABILITIES 11-13 FEB

CLASS M 90/90/90

CLASS X 40/50/50

PROTON 50/50/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 FEB 153

PREDICTED 11-13 FEB 155/155/155

90-DAY MEAN 10 FEB 110

V. GEOMAGNETIC A. INDICES

OBSERVED FREDERICKSBURG 09 FEB 14

ESTIMATED AFR/AP 10 FEB 07/06

PREDICTED AFR/AP 11-13 FEB 10/12 - 14/19 - 14/17

SOLTERWARN

BT

HFUS 3 BOUL 111500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 942B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 11 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THIS ZULU DAY, CONFINED TO LOW LEVEL C EVENTS UNTIL 11/1429Z WHEN A C-9 X-RAY EVENT OCCURRED. EXCEPT FOR MANILA AND CULGOORA OBSERVATORIES, OPTICAL OBSERVATIONS ARE HINDERED BY WEATHER. CHANGED IN REGIONS 1001 AND THE 997/998/999 COMPLEX ARE APPARENTLY MINOR. CULGOORA REPORTED A TYPE II 10/2115-2137Z, TYPE IV 10/2130-2310Z IN ASSOCIATION WITH THE 1B/M4 FLARE IN REGION 997 AT 10/2117Z (MAX).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETLED. UNSETLED TO ACTIVE CONDITIONS ARE EXPECTED WITHIN THE NEXT 6-18 HOURS.

III. EVENT PROBABILITIES 11-13 FEB

CLASS M 90/92/90

CLASS X 40/50/50

ROTION 50/50/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 FEB 153

PREDICTED 11-13 FEB 155/155/155

90-DAY MEAN 10 FEB 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 FEB 14

ESTIMATED AFR/AP 10 FEB 07/06

PREDICTED AFR/AP 11-13 FEB 10/12 - 14/19 - 14/17

SOLTERWARM

BT

HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SF NUMBER 042

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. NUMEROUS CLASS C EVENTS HAVE OCCURRED WITH THE LARGEST EVENTS A C9 (1429Z MAX) AND A C7 (2001Z MAX). A BURST OF 120 F.U. AT 2700 MHZ OCCURRED WITH THE 1429Z EVENT. WEATHER HAS SERIOUSLY HAMPERED OPTICAL OBSERVATIONS. REGION 1001 (N17W03) REMAINS A LARGE F-TYPE SPOT GROUP AND APPARENTLY REMAINS COMPLEX. NEW SPOT STRUCTURE HAS EMERGED IN THE CENTRAL PORTION OF REGION 998 (N27W48). REGION 1006 (S26W05) IS EMERGING AT A MODERATE RATE. CULGOORA REPORTED A VERY LARGE PROMINENCE LIFTING OFF AT SW30-50, BEGINNING 11/0630Z. BY 0745Z, REMAINS COULD BE SEEN AT 0.4 R.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETLED. WITH THE 997/998/999 COMPLEX MOVING INTO A FAVORABLE GEOMETRIC POSITION, THE FIELD IS EXPECTED TO BE UNSETLED TO ACTIVE FOR THE NEXT 3 DAYS. THERE IS A FAIR CHANCE FOR A FLARE INDUCED MAGSTORM.

III. EVENT PROBABILITIES 12-14 FEB

CLASS M 90/90/90

CLASS X 50/50/50

PROTON 50/50/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 FEB 158

PREDICTED 12-14 FEB 154/147/143

90-DAY MEAN 11 FEB 111

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 FEB 07

ESTIMATED AFR/AP 11 FEB 07/06

PREDICTED AFR/AP 12-14 FEB 14/15 - 14/15 - 12/15

SOLTERWARN

BT