

HFUS 1 BOU 120600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 102A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 12 APRIL 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
REGION 807 (S21E76) HAS BEEN STABLE. AN OCCASIONAL PLAGE FLUCTUATION
BETWEEN THE SPOTS IS ABOUT ALL THE ACTIVITY THAT HAS BEEN OBSERVED.
THE REMAINDER OF THE DISK IS QUIET.

IB. SOLAR ACTIVITY WILL BE LOW DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND IT IS EXPECTED THE
FIELD WILL REMAIN UNSETLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 APRIL - 14 APRIL

| | |
|---------|----------|
| CLASS M | 10/15/15 |
| CLASS X | 01/01/01 |
| PROTON | 01/01/01 |
| PCAF | GREEN |

IV. OTTAWA 10.7 CM FLUX

| | |
|-------------|----------------------|
| OBSERVED | 11 APRIL 79 |
| PREDICTED | 12-14 APRIL 80/80/81 |
| 90-DAY MEAN | 11 APRIL 79 |

V. GEOMAGNETIC A INDICES

| | |
|-------------------------|-----------------------------------|
| OBSERVED FREDERICKSBURG | 10 APRIL 13 |
| ESTIMATED AFR/AP | 11 APRIL 08/12 |
| PREDICTED AFR/AP | 12-14 APRIL 08/10 - 07/07 - 08/07 |
| SOLTERWARN | |
| BT | |

HFUS 1 BOU 121500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 102-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 12 APRIL 1977

IA. A M-9 X-RAY EVENT BEGAN AT 0939Z ACCCOMPANIED BY A LARGE RADIO
BURST REACHING 300 FLUX UNITS AT 10 CM. THE X-RAY EVENT PEAKED AT
0954Z AND X-RAY LEVELS ARE NOW RETURNING TO BACKGROUND.
SOURCE OF THE EVENT APPEARS TO BE IN THE AREA OF REGION 807
(S20E70), HOWEVER, THE ONLY OPTICAL EVENT REPORTED WAS AN ERUPTIVE
PROMINENCE IN PROGRESS AT 0951Z BY TEHERAN. SURGE ACTIVITY HAS BEEN
REPORTED NEAR SE17 WHICH MAY BE FROM REGION 807. SPOTS HAVE BEEN
REPORTED IN REGION 805 (N26W42).

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE WITH ADDITIONAL M CLASS
X-RAY EVENTS POSSIBLE. LIMB PROXIMITY OF REGION 807 AND LIMITED
OBSERVATIONS ARE MAKING ANALYSIS OF THIS AREA IMPOSSIBLE.

II. THE GEOMAGNETIC FILED HAS BEEN QUIET THE PAST 12 HOURS. EXPECT
GENERALLY QUIET TO UNSETLED CONDITIONS THRU THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 12-14 APRIL

CLASS M 25/25/25

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 APRIL 79

PREDICTED 12-14 APRIL 82/84/86

90-DAY MEAN 11 APRIL 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 APRIL 13

ESTIMATED AFR/AP 11 APRIL 08/12

PREDICTED AFR/AP 12-14 APRIL 08/10 - 07/07 - 08/07

SOLTERWARN

BT

HFUS 1 BOU 122200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 102
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 APRIL 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW SINCE THE M-9 X-RAY EVENT AT 12/0939Z. THIS EVENT PEAKED AT 0954Z AND WAS ACCOMPANIED BY A 300 F.U. BURST AT 10 CM AND STRONG SWF UP TO 21 MHZ. NO CORRESPONDING OPTICAL FLARE WAS REPORTED, HOWEVER, AN ERUPTIVE PROMINENCE WAS OBSERVED IN THE AREA OF REGION 807 (S20E68) AT 0953Z. REGION 807 HAS EXTENSIVE CALCIUM PLAGE, AN OPEN E TYPE SUNSPOT GROUP, AND HAS BEEN CONFIRMED AS NEW CYCLE BY MT. WILSON. SURGE ACTIVITY NEAR SE17 HAS DECLINED.

IB. ADDITIONAL CLASS M X-RAY EVENTS ARE POSSIBLE FROM THE AREA OF REGION 807. THIS AREA AND THE LIMB NEAR SE17 SHOULD BE MONITORED FOR SIGNS OF ADDITIONAL REGIONS OR REJUVENATION IN REGION 807.

II. THE GEOMAGNETIC FIELD IS QUIET IN BOULDER. CONDITIONS SHOULD BE GENERALLY QUIET INCREASING TO UNSETTLED BY THE 15TH.

III. EVENT PROBABILITIES 13 - 15 APRIL

CLASS M 25/25/25
CLASS X 05/05/05
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 12 APRIL 80
PREDICTED 13-15 APRIL 82/84/86
90-DAY MEAN 12 APRIL 79

V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 11 APRIL 10
ESTIMATED AFR/AP 12 APRIL 06/07
PREDICTED AFR/AP 13 - 15 APRIL 07/07 - 07/07 - 10/10
SOLTERWARN

BT