

HFUS 3 BOU 130530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 103A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 13 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 8 HOURS. NO SIGNIFICANT CHANGES HAVE BEEN NOTED IN DISK FEATURES. REGIONS 1057 (N20W77), 1070 (N15E22) AND 1073 (N18E39) CONTINUE AS POTENTIALLY ACTIVE REGIONS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT A MODERATE LEVEL

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED THE PAST 8 HOURS. A MAJOR STORM IS EXPECTED TO COMMENCE IN THE NEXT 12-18 HOURS.

III. EVENT PROBABILITIES 13 APRIL - 15 APRIL

CLASS M 95/95/95

CLASS X 40/40/40

PROTON 40/40/40

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 APRIL 155

PREDICTED 13-15 APRIL 152/149/146

90-DAY MEAN 12 APRIL 137

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 APRIL 45

ESTIMATED AFR/AP 12 APRIL 23/26

PREDICTED AFR/AP 13-15 APRIL 50/23 - 30/18 - 20/25

SOLTERWARN

BT

HFUS 3 BOU 131500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 103-B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 13 APR 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. THE LARGEST EVENT WAS A B/M2
FLARE AT 0453Z IN REGION 1057 (N20W82). IMP 2 SWF AND MINOR CENT-
IMETRIC BURSTS ACCOMPANIED THIS FLARE. REGIONS 1070 (N15E17) AND
1073 (N18E34) HAVE ALSO FLARED PRODUCING C-LEVEL X-RAY BURSTS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE. REGION 1057 IS
EXPECTED TO CONTINUE PRODUCING ENERGETIC EVENTS BEYOND WEST LIMB
TRANSIT.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED SO FAR THIS ZULU DAY.
IF THE FORECAST MAG STORM DOES NOT ARRIVE BY 14/03Z, THE MAG FIELD
IS EXPECTED TO BE UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 13 APRIL - 15 APRIL

CLASS M 95/95/95

CLASS X 40/40/40

PROTON 40/40/40

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 APRIL 155

PREDICTED 13-15 APRIL 152/149/146

90-DAY MEAN 12 APRIL 137

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 APRIL 45

ESTIMATED AFR/AP 12 APRIL 23/28

PREDICTED AFR/AP 13-15 APRIL 50/23 - 30/35 - 20/25

SOLTERWARN

BT

HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 103

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1057 (N19W88)
HAS PRODUCED BOTH THE MOST FLARES AND THE LARGEST. THE LARGEST
FLARE TODAY WAS A B/M2 AT 0453Z IN REGION 1057. REGIONS 1070
(N15E10) AND 1073 (N17E26) HAVE ALSO PRODUCED SUBFLARES WITH
C-LEVEL X-RAY BURSTS. REGIONS 1070, 1073 AND 1075 (N19E01)
HAVE A COMMON COMPLEX NEUTRAL LINE. REGIONS 1076 (S33W16) AND
1077 (S20E12) HAVE EMERGED TODAY. REGION 1077 CONTINUES TO GROW
IB. REGION 1057 IS CAPABLE OF PRODUCING ENERGETIC ACTIVITY
BEYOND WEST LIMB TRANSIT. SOLAR ACTIVITY IS EXPECTED TO BE LOW
TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. ACTIVE
CONDITIONS, WITH PERIODS AT STORM LEVEL, ARE EXPECTED FOR THE NEXT
24-36 HOURS. THE FIELD IS THEN EXPECTED TO BECOME UNSETTLED
TO ACTIVE.

III. EVENT PROBABILITIES 14-16 APR

CLASS M 95/70/70

CLASS X 40/20/20

PROTON 30/30/10

PCAF YELLOW

IV. OTAWA 10.7 CM FLUX

OBSERVED 13 APR 145

PREDICTED 14-16 APR 141/138/133

90-DAY MEAN 13 APR 137

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 APR 24

ESTIMATED AFR/AP 13 APR 13/15

PREDICTED AFR/AP 14-16 APR 30/35 - 18/25 - 12/15

SOLTERWARN

BT