

NNNN

KBOU

HFUS 1 BOU 230700

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 174A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0700Z 23 JUNE 1974

IA. A CLASS M2/1N AT 0452Z OCCURRED IN REGION 428 (S14W52) WHERE
A LARGE ACTIVE FILAMENT HAD BEEN ACTIVE THE PREVIOUS FIVE HOURS.
RADIO BURSTS WERE SIMPLE AND OF VERY LOW INTENSITY.

IB. CONTINUED FILAMENT-RELATED FLARES ARE EXPECTED AS REGION 428
CONTINUES TO DECAY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. CON-
DITIONS SHOULD CONTINUE QUIET TO UNSETLED FOR THE NEXT 48 HOURS BE-
FORE A RETURN TO ACTIVE CONDITIONS. THERE IS A POSSIBILITY THAT THE
RECENT SOLAR ACTIVITY MAY RESULT IN AN INTERRUPTION OF THE RECURRENT
GEOMAGNETIC PATTERN ON WHICH THIS FORECAST IS BASED.

III. EVENT PROBABILITIES 23 JUNE - 25 JUNE

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 231400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 174B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 23 JUNE 1974

IA. REGION 428 (S14W57) GENERATED A M-3/IN FLARE EARLIER TODAY WHICH ATTAINED X-RAY MAXIMUM AT 0546Z. THE EVENT WAS OF LONG DURATION, AND REACHED 3 POSSIBLE X-RAY MAXIMA. SMALL RADIO BURSTS AT VARIOUS FREQUENCIES WERE ASSOCIATED. SINCE THIS FLARE, FILAMENT ACTIVITY HAS BEEN REPORTED THERE, BUT THE REGION HAS BEEN QUIET. PROMINENCE ACTIVITY WAS OBSERVED AT EAST LIMB (S10) EARLIER ALSO, BUT THE REMAINDER OF THE DISK AND WEST LIMB HAVE BEEN QUIET.

IB. FLARE ACTIVITY ASSOCIATED WITH ACTIVE FILAMENTS SHOULD CONTINUE IN REGION 428 AS DECAY CONTINUES HERE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO UNSETLED LEVELS ARE EXPECTED FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 23 JUNE - 25 JUNE

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JUNE 80

PREDICTED 23 JUNE - 25 JUNE 78/79/81

90-DAY MEAN 22 JUNE 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 JUNE 06

ESTIMATED AFR/AP 22 JUNE 08/11

PREDICTED AFR/AP 23 JUNE - 25 JUNE 06/08 - 08/09 - 10/11

SOLTERWARN

SPAN

BT

HFUS BOU 232200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 174
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 JUNE 1974

IA. AN M-3/ONE-NORMAL FLARE WITH MAXIMUM NEAR 0546Z HIGHLIGHTED SOLAR ACTIVITY IN THE PAST 24 HOURS. DEKAMETRIC TYPE III SWEEP ACTIVITY AND SMALL RADIO BURSTS AT VARIOUS FREQUENCIES ACCCOMPANIED THE EVENT. IT WAS GENERATED BY REGION 428 (S14W61) WHICH HAS BEEN QUIET SINCE THAT TIME. SLIGHT PLAGE FLUCTUATIONS AND FILAMENT ACTIVITY HAVE BEEN REPORTED HERE, BUT THE REGION CONTINUES ITS SLOW DECAY. THE OTHER REGION ON THE DISK, H-ALPHA PLAGE REGION 429 (N10W02) REMAINS DULL. SIGNIFICANT PROMINENCE ACTIVITY HAS BEEN APPARENT AT EAST LIMB (S10), WHILE WEST LIMB AND THE REMAINDER OF THE DISK HAVE BEEN QUIET.

IB. SOLAR ACTIVITY WILL BE LOW TO VERY LOW FOR THE NEXT 72 HOURS. REGION 428 WILL CONTINUE TO DECAY, AND ONLY INFREQUENT SMALL SUBFLARES ARE ANTICIPATED.

II. THE GEOMAGNETIC FIELD HAS BEEN PREDOMINANTLY UNSETTLED TODAY. ACTIVITY SHOULD REMAIN AT THIS SAME APPROXIMATE LEVEL FOR THE NEXT 48 HOURS. ACTIVE LEVELS WILL COMMENCE ON 26 JUNE, WHEN A RECURRENT MINOR DISTURBANCE IS DUE.

III. EVENT PROBABILITIES 24-26 JUNE

CLASS M 20/15/10
CLASS X 02/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	23 JUNE 78
PREDICTED	24-26 JUNE 78/79/81
90-DAY MEAN	23 JUNE 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	22 JUNE 08
ESTIMATED AFR/AP	23 JUNE 09/12
PREDICTED AFR/AP	24-26 JUNE 10/13 - 07/09 - 16/20

SOLTERWARN
SPAN
BT