

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 1974

IA. SOLAR ACTIVITY CONTINUES LOW TO MODERATE, WITH SIX SUBFLARES
REPORTED IN THE LAST 8 HOURS. REGIONS 375 (S11W15), 377 (S03W47)
AND 379 (S13E06) HAVE EACH PRODUCED FLARES, WITH REGION 375
CONTINUING TO BE THE MAJOR FLARE PRODUCER.

IB. CONTINUED GROWTH AND OCCASIONAL CLASS M ACTIVITY ARE EXPECTED
FROM REGION 375.

II. QUIET GEOMAGNETIC CONDITIONS HAVE PREVAILED SINCE 11/1600Z.
QUIET TO UNSETTLED CONDITIONS ARE EXPECTED THROUGHOUT THE FORECAST
PERIOD.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 121400
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 102B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 12 APRIL 1974
IA. REGION 375 CONTINUES TO PRODUCE C-CLASS FLARES AT A LOW-TO
MODERATE RATE. ARCH FILAMENT ACTIVITY APPEARS TO BE DIMINISHING
AND SPOTS ARE COALESCING, HOWEVER, COMPLEXITY REMAINS. ONLY
MINOR CHANGES IN OTHER REGIONS.
IB. SUBFLARES UP TO AN OCCASSIONAL CLASS M EXPECTED FROM AR 375.
OTHER REGIONS EXPECTED TO REMAIN STABLE. OLD AR 368 AND 369 DUE
BACK TOMORROW, HOWEVER, NO LIMB ACTIVITY HAS BEEN REPORTED.
II. GEOMAGNETIC ACTIVITY HAS BEEN LOW. EXPECT QUIET CONDITIONS
TO CONTINUE FOR THE NEXT TWO DAYS.
III. EVENT PROBABILITIES 12-14 APRIL
CLASS M 85/85/80
CLASS X 05/05/05
PROTON 03/05/05
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 11 APRIL 99
PREDICTED 12-14 APRIL 99-100-100
90-DAY MEAN 11 APRIL 81
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 10 APR 20
ESTIMATED AFR/AP 11 APR 19/22
PREDICTED AFR/AP 12-14 APR 12/13 - 12/13 - 8/9
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HFUS BOU 122225

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 102

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 APRIL 1974

IA. SOLAR ACTIVITY HAS BEEN LOW THOUGH FREQUENT CLASS C SUBFLARES
HAVE OCCURRED. CONSIDERABLE EVOLUTION HAS CONTINUED IN THE CENTRAL
PORTION OF REGION 375 (S13W25) WHERE THE MAGNETIC STRUCTURES ARE
QUITE COMPLEX BUT NOT ESPECIALLY STRONG. PENUMBRAL COALESCENCE HAS
CONTINUED WHILE THE APPEARANCE OF NEW STRUCTURES SEEMS TO HAVE
ABATED, INDICATING THE REGION IS NEAR MATURITY. SOME GROWTH HAS
BEEN NOTED IN REGIONS 377 (S05W57) AND 379 (S15W03).

IB. ACTIVITY IS EXPECTED TO CONTINUE AT A LOW-TO-MODERATE LEVEL. AS
PRESENTLY CONSTITUTED, REGION 375 WOULD APPEAR READY TO PRODUCE
LESS FREQUENT FLARES THAN IN THE PAST DAY OR SO BUT OCCASIONALLY
THESE MAY RANGE UP TO MODERATE CLASS M INTENSITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO CONTINUE
COMPARATIVELY QUIET OVER THE FORECAST PERIOD EXCEPT FOR AN UNSETTLED
PERIOD POSSIBLE ON 13 APRIL. THE INITIAL PHASE OF A RECURRENT DIS-
TURBANCE IS EXPECTED TO BEGIN ABOUT 16 APRIL.

III. EVENT PROBABILITIES 13-15 APRIL

CLASS M 85/85/80

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 APRIL 107

PREDICTED 13-15 APRIL 101/101/100

90-DAY MEAN 12 APRIL 81

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 APRIL 18

ESTIMATED AFR/AP 12 APRIL 03/04

PREDICTED AFR/AP 13-15 APRIL 10/11-05/06-08/09

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