

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 111600Z.  
QUIET TO UNSETLED 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  
SOLTERWARN  
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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 DISTURBANCE 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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