

HFUS 1 BOU 150600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 166A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 15 JUNE 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. REGION 426 (N06W13)  
CONTINUES SLOW DETERIORATION WITH SLIGHT COMPLEXITY REMAINING IN THE  
CENTRAL PORTION OF THE REGION. A NEW REGION MAY BE EMERGING SOUTH  
OF REGION 428 (S12E55).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. AN ISOLATED  
ENERGETIC EVENT IS POSSIBLE FROM REGION 426.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND IS EXPECTED TO  
REMAIN SO FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

SPAN

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HFUS 1 BOU 151400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 166B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 15 JUNE 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST EIGHT HOURS,  
AND NO FLARES HAVE BEEN REPORTED. REGION 426(N06W18) HAS CONTINUED  
TO DECLINE IN BOTH WHITE LIGHT AND H-ALPHA. REGION 428(S12E50) HAS  
REMAINED STABLE. SOME ENHANCED PLAGE LIES NEAR THE LARGE NEUTRAL-LINE  
FILAMENT IN THE SOUTHEASTERN PART OF REGION 428.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGIONS 426 AND 428  
MAY PRODUCE SPORADIC MINOR FLARES, BUT MAJOR ACTIVITY IS UNLIKELY.

II. THE GEOMAGNETIC FIELD HAS BEEN DISTURBED TO MINOR STORM INTENSITY  
SINCE ABOUT 15/0200Z. GENERALLY ACTIVE CONDITIONS ARE EXPECTED DURING  
THE REMAINDER OF THE FORECAST PERIOD, WITH MAXIMUM LEVELS OF  
DISTURBANCE

LIKELY DURING LOCAL NIGHTTIME.

III. EVENT PROBABILITIES 15 - 17 JUNE

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 JUNE 85

PREDICTED 15 - 17 JUNE 83/82/83

90-DAY MEAN 14 JUNE 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 JUNE 19

ESTIMATED AFR/AP 14 JUNE 15/23

PREDICTED AFR/AP 15 - 17 JUNE 30/42 - 18/21 - 18/21

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HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 166

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 15 JUNE 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 24 HOURS, AND NO FLARES HAVE BEEN REPORTED. REGION 426 (N05W25) HAS CONTINUED TO DECLINE SLOWLY AND NOW CONTAINS RELATIVELY WEAK MAGNETIC GRADIENTS. REGION 428 (S12E44) HAS SHOWN LITTLE SIGNIFICANT CHANGE EXCEPT FOR OCCASIONAL ACTIVITY IS THE FILAMENT THAT RUNS THROUGH ENHANCED PLAGE SOUTHEAST OF THE MAIN LEADING SPOT. THE IMPORTANCE ONE-BRILLIANT FLARE REPORTED IN SDF 165 WAS OF ONLY CLASS C-5 X-RAY CLASSIFICATION; THIS FLARE HAD BEEN INCORRECTLY REPORTED AS A CLASS M7 EVENT.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW DURING THE NEXT 3 DAYS. REGION 428, WHILE NOT A DYNAMIC REGION, MAY BE CAPABLE OF GENERATING A FLARE IN THE PLAGE SOUTHEAST OF THE MAIN LEADING SPOT. REGION 426 IS EXPECTED TO CONTINUE TO DECAY GRADUALLY.

II. THE GEOMAGNETIC FIELD HAS BEEN DISTURBED INTERMITTENTLY TO MINOR STORM LEVELS DURING THE PAST 24 HOURS. THIS DISTURBANCE IS PART OF A PATTERN OF RECURRENT GEOMAGNETIC ACTIVITY THAT HAS BEEN OBSERVED CONSISTENTLY SINCE 25 JANUARY THIS YEAR. ACTIVE GEOMAGNETIC CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 16-18 JUNE

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 JUNE 82

PREDICTED 16-18 JUNE 81/80/80

90-DAY MEAN 15 JUNE 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 JUNE 16

ESTIMATED AFR/AP 15 JUNE 25/35

PREDICTED AFR/AP 16-18 JUNE 18/21 - 18/21 - 18/21

SOLTERWARN

SPAN

BT