

HFUS 1 BOU 110600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 223A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 11 AUGUST 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. NO
ACTIVITY HAS BEEN REPORTED.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL. A FEW NON
ENERGETIC SUBFLARES CAN BE EXPECTED.

II. THE MINOR GEOMAGNETIC DISTURBANCE CONTINUES. THIS DISTURBANCE
IS BELOW STORM LEVEL AND IS EXPECTED TO CONTINUE AT THIS LEVEL
DURING THE NEXT 24 HOURS.

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 111400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 223B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL
ACTIVITY ISSUED 1400Z 11 AUGUST 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH NO FLARES REPORTED
SINCE 11/00Z. REGION 466(S06E28) CONTAINS A BRIGHT PLAGE WITH
FLUCTUATIONS TO NEAR FLARE INTENSITY AND HAS SHOWN CONSIDERABLE
SPOT GROWTH IN THE LEADER PORTION. AN ARCH FILAMENT SYSTEM IS
ALSO PRESENT IN THE LEADER PORTION. THE REGION CONTAINS A
D TYPE SPOT GROUP AND A SIMPLE N-S NEUTRAL LINE. OTHER REGIONS
ON THE DISK REMAIN DIM AND QUIET. THE 1-8 ANGSTROM X RAY
BACKGROUND LEVEL HAS INCREASED SOMEWHAT DURING THE LAST 2 HOURS
BUT REMAINS WELL BELOW CLASS C LEVELS.

IB. REGION 466 SHOULD PRODUCE OCCASIONAL SUBFLARES, BUT THE LACK
OF MAGNETIC COMPLEXITY IN THIS REGION SUGGESTS A CONTINUED LOW
PROBABILITY OF CLASS M OR GREATER FLARES. HOWEVER, SHOULD
RAPID GROWTH CONTINUE, LATER FORECASTS MAY INDICATE HIGHER
PROBABILITIES OF ENERGETIC EVENTS.

II. UNSETTLED TO OCCASIONALLY ACTIVE GEOMAGNETIC CONDITIONS HAVE
BEEN OBSERVED DURING THE LAST 24 HOURS. A GRADUAL TREND TOWARD
QUIETER CONDITIONS IS EXPECTED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 11 AUG - 13 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 AUG 86

PREDICTED 11 AUG- 13 AUG 85/85/83

90-DAY MEAN 10 AUG 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 AUG 16

ESTIMATED AFR/AP 10 AUG 20/22

PREDICTED AFR

HAP 11AUG-13 AUG 14/16 - 13/15 - 08/09

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HFUS BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 223

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 AUGUST 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH ONLY 2 SMALL ϕ F FLARES
OBSERVED DURING THE LAST 24 HOURS. REGION 466 (S06 E19) HAS
GROWN RAPIDLY IN WHITE LIGHT AND CONTAINS A DELTA MAGNETIC CON-
FIGURATION IN THE LEADER SPOT. A STRONG ARCH FILAMENT SYSTEM
SUGGESTS CONTINUED GROWTH. THE REGION HAS NOT PRODUCED ANY FLARES
DURING THE LAST 24 HOURS, BUT THE PLAGE HAS BEEN ENHANCED TO
NEAR FLARE INTENSITY THROUGH MUCH OF THE PERIOD. THE 1-8 ANGSTROM
X-RAY FLUX HAS BEEN SLIGHTLY ABOVE NORMAL BACKGROUND LEVELS SINCE
11/1100Z. OTHER REGIONS ON THE DISK ARE RELATIVELY DIM AND
STABLE.

IB. THE RAPID GROWTH AND MAGNETIC COMPLEXITY OF REGION 466
SUGGESTS A FAIR CHANCE OF ENERGETIC EVENTS FROM THIS REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE LAST 24 HOURS.
UNSETTLED CONDITIONS ARE EXPECTED TO CONTINUE, APPROACHING QUIET
CONDITIONS BY THE END OF THE PERIOD.

III. EVENT PROBABILITIES 12 AUG - 14 AUG

CLASS M 20/25/30

CLASS X 01/02/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 AUG 92

PREDICTED 12 AUG - 14 AUG 94/95/96

90-DAY MEAN 11 AUG 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 AUG 19

ESTIMATED AFR/AP 11 AUG 11/12

PREDICTED AFR/AP 12 AUG - 14 AUG 10/13 - 08/10 - 06/08

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