

HFUS 1 BOU 040500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 277A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 04 OCTOBER 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. THE DISK HAS BEEN STABLE, AND  
ONLY MINOR SURGES (NE10 AND SE12) HAVE BEEN OBSERVED ON THE LIMBS.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT THIS LEVEL, WITH AN INCREASE  
POSSIBLE NEAR THE END OF THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD REMAINS QUIET TO MILDLY UNSETTLED. THESE  
CONDITIONS SHOULD PERSIST FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

BT

HFUS BOU 041430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 277B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 04 OCT 1974

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. A SMALL REGION IS  
REGENERATING NEAR S18 E62 AND IN ADDITION TO MODERATE GROWTH,  
THIS REGION IS PRODUCING POINT BRIGHTENINGS ALONG THE BASE OF ITS  
ACTIVE NEUTRAL LINE FILAMENT. OTHER DISK REGIONS ARE LITTLE CHANGED.

IB. NO SIGNIFICANT CHANGES IN THE LEVEL OF SOLAR ACTIVITY ARE EX-  
PECTED AND THE CHANCE OF AN M CLASS X-RAY REMAINS A POSSIBILITY.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETTLED AND NO CHANGE IS  
EXPECTED.

III. EVENT PROBABILITIES 04 - 06 OCT

CLASS M 20/20/30

CLASS X 01/01/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 OCT 93

PREDICTED 04 - 06 OCT 94/94/95

90-DAY MEAN 03 OCT 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 OCT 23

ESTIMATED AFR/AP 03 OCT 11/12

PREDICTED AFR/AP 04 - 06 OCT 08/09 - 06/07 - 05/06

SOLTERWARN

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HFUS BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 277

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 4 OCT 1974

IA. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL DURING THE PAST 24 HOURS. REGION 501 (S19E48) HAS SHOWN THE MOST DRAMATIC CHANGE IN THE PAST 24 HOURS AS THE PLAGE HAS GROWN SIGNIFICANTLY AND ITS DYNAMIC CHARACTERISTICS NOW INCLUDE ACTIVE NEUTRAL LINE FILAMENT, POINT BRIGHTENINGS, PLAGE FLUCTUATIONS AS WELL AS OCCASIONAL SMALL FLARES. THE NORTHEAST LIMB HAS ALSO BECOME AN AREA OF INTEREST WHERE REGIONS 500 (N04E63) AND 502 (N09E77) ARE NOW PROMINENT. FREQUENT SURGES AND VARIOUS OTHER TYPES OF LIMB ACTIVITY ARE TRAILING THESE REGIONS ONTO THE DISK. OLD ACTIVE REGION 487 IS EXPECTED TO RETURN TO THE NORTHEAST LIMB TOMORROW THUS CREATING AN ELONGATED COMPLEX OF REGIONS. REGIONS 495 (N10W15) AND 497 (S06W12) HAVE SHOWN VERY LITTLE CHANGE.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE AS FURTHER DEVELOPMENT OCCURS IN RGN 501 AND OLD RGN 487 RETURNS TO THE DISK.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETTLED AND NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 05 - 07 OCT

CLASS M 25/35/45

CLASS X 01/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 OCT 100

PREDICTED 05-07 OCT 101/101/102

90-DAY MEAN 04 OCT 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 OCT 11

ESTIMATED AFR/AP 04 OCT 06/07

PREDICTED AFR/AP 05-07 OCT 07/08 - 06/07 - 05/06

SOLTERWARN

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