

HFUS 1 BOU 010600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 305A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 01 NOVEMBER 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. OCCASIONAL MINOR X RAY EN-  
HANCEMENTS CONTINUE.

IB. REGIONS PRESENTLY ON THE VISIBLE DISK WILL REMAIN QUIET, BUT  
THE CONTINUING X RAY ENHANCEMENTS HEIGHTEN THE POSSIBILITY OF AN  
ENERGETIC REGION BEYOND THE EAST LIMB.

II. THE GEOMAGNETIC FIELD REMAINS GENERALLY QUIET. QUIET CONDI-  
TIONS ARE EXPECTED FOR THE REMAINDER OF 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 011430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 305B

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 01 NOV 1974

IA. SOLAR ACTIVITY INCREASED SOMEWHAT DURING THE LAST 24 HOURS.  
AT 1545Z, 31 OCT, AN ERUPTIVE PROMINENCE WAS OBSERVED AT NE 11-16  
ACCOMPANIED BY AN M8 X-RAY EVENT, SUGGESTING A LARGE FLARE  
BEHIND THE LIMB. SINCE THEN, NEW REGION 517 (N11E78) HAS ROTATED  
ONTO THE DISK, POSSIBLY PART OF OLD REGION 503. AT THE PRESENT,  
ONLY A SINGLE H-TYPE SPOT HAS BEEN OBSERVED, BUT SURGING CONTINUES  
ON THE LIMB. THE X-RAY BACKGROUND HAS DECREASED SINCE YESTERDAY  
AND NO ADDITIONAL ENERGETIC EVENTS HAVE BEEN OBSERVED.

IB. BASED ON YESTERDAY'S EVENT, ADDITIONAL ENERGETIC EVENTS  
SEEM POSSIBLE. HOWEVER, UNLESS ADDITIONAL REGIONS ROTATE OVER  
THE LIMB OR SOME COMPLEXITY IS OBSERVED IN REGION 517, LATER  
FORECASTS WILL SHOW SIGNIFICANTLY LOWER PROBABILITIES OF ENERGETIC  
EVENTS.

II. UNSETTLED GEOMAGNETIC CONDITIONS WERE OBSERVED OVERNIGHT,  
BUT QUIET CONDITIONS ARE NOW BEING OBSERVED. SIMILAR CONDITIONS  
SHOULD CONTINUE THROUGH MOST OF THE PERIOD, UNSETTLED AT NIGHT  
AND QUIET DURING THE DAYS.

III. EVENT PROBABILITIES 01 NOV 03 NOV

CLASS M 55/60/65

CLASS X 20/20/25

PROTON 01/02/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 OCT 93

PREDICTED 01 - 03 NOV 96/99/103

90-DAY MEAN 31 OCT 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 OCT 10

ESTIMATED AFR/AP 31 OCT 06/07

PREDICTED AFR/AP 01 - 03 NOV 05/08 - 05/08 - 05/06

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HFUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 305

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 01 NOV 1974

IA. SOLAR ACTIVITY HAS RETURNED TO A VERY LOW LEVEL DURING THE LAST 24 HOURS. NEW REGION 517 (N12E73), PROBABLY THE RETURN OF OLD REGION 503, CONTAINS A SIMPLE H TYPE SPOT GROUP. HOWEVER, THIS REGION DOES CONTAIN AN ACTIVE NEUTRAL LINE FILAMENT AND A LARGE, MODERATELY BRIGHT PLAGE WHICH EXTENDS BACK TO THE LIMB. TWO SMALL SUBFLARES WERE OBSERVED FROM THIS REGION, BUT THE I-8 ANGSTROM X RAY LEVEL HAS REMAINED BELOW C CLASS LEVELS FOR THE PAST 14 HOURS. OTHER REGIONS ON THE DISK APPEAR RELATIVELY SMALL AND STABLE.

IB. REGION 517 MAY CONTAIN SOME COMPLEXITY NOT YET OBSERVED DUE TO ITS PROXIMITY TO THE LIMB, OR ADDITIONAL REGIONS MAY BE LOCATED OVER THE NE LIMB. FOR THESE REASONS, AS WELL AS THE OCCURENCE OF THE M8 EVENT YESTERDAY, THE PROBABILITIES OF AN ENERGETIC EVENT REMAIN RELATIVELY HIGH DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD IS NOW QUIET AND SHOULD REMAIN QUIET THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 NOV - 04 NOV

CLASS M 35/35/35

CLASS X 10/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 NOV 92

PREDICTED 01 NOV - 04 NOV 96/98/100

90-DAY MEAN 01 NOV 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 OCT 06

ESTIMATED AFR/AP 01 NOV 05/06

PREDICTED AFR/AP 02 NOV - 04 NOV 05/06 - 05/06 - 05/06

SOLTERWARN

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