

HFUS 1 BOU 170500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 290A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 17 OCTOBER 1974

IA. SOLAR ACTIVITY CONTINUES TO BE MODERATE. REGION 503 (N09W67) .  
PRODUCED A 1B, CLASS M2 X-RAY FLARE AT 17/0421Z. FREQUENT CLASS C  
X-RAY BURSTS HAVE ALSO BEEN OBSERVED.

IB. ACTIVITY IS EXPECTED TO BE MODERATE THROUGHOUT THE FORECAST  
PERIOD DUE TO THE COMPLEX REGIONS IN THE NORTHWEST.

II. THE GEOMAGNETIC FIELD CONTINUES AT MINOR STORM LEVELS. ACTIVE TO  
MINOR STORM LEVELS 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 171400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 290B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 17 OCT 1974

IA. ADVERSE WEATHER CONDITIONS HAVE LIMITED OPTICAL OBSERVATIONS  
THE PAST TWELVE HOURS. TEHRAN REPORTS INDICATE MINOR SURGE-LIKE  
EJECTIONS FROM AR 503/505. GOES LONG X-RAY SENSOR INDICATED  
MINOR ENHANCEMENTS AT 0730Z AND 1050Z.

IB. AR 503/505 SHOULD CONTINUE TO PRODUCE SIGNIFICANT FLARES FOR  
THE NEXT FEW DAYS. NO RETURNING REGIONS EXPECTED.

II. THE GEOMAGNETIC FIELD CONTINUES AT STORM LEVELS. THIS  
MINOR STORM/DISTURBED CONDITION IS EXPECTED TO CONTINUE.

III. NO CHANGE

IV. NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG NO CHANGE

ESTIMATED AFR/AP NO CHANGE

PREDICTED AFR/AP 17 - 19 OCT 29/43 - 25/31 - 20/26

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HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 290

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY,  
ISSUED 2200Z 17 OCT 1974

IA. THE WEST LIMB PASSAGE OF AR 503/505 (N10 W85) COMPLEX HAS  
PRODUCED SEVERAL SURGES AND MINOR LIMB FLARES. THE LARGE BUSHY  
PROMINENCE IN THE SE QUADRANT IS SLOWLY DISSIPATING. ALL OTHER  
PORTIONS OF THE DISK ARE VERY QUIET AND DULL.

IB. AR 503/505 STILL RETAINS THE POTENTIAL TO PRODUCE SIGNIFICANT  
FLARES, ACCORDINGLY PROBABILITIES ARE KEPT HIGH FOR THE NEXT  
72 HOURS. NO RETURNING REGIONS EXPECTED.

II. THE GEOMAGNETIC FIELD IS AT MINOR STORM LEVELS AND IS EXPECTED  
TO BE AT DISTURBED OR MINOR STORM LEVELS FOR NEXT 3 DAYS.

III. EVENT PROBABILITIES 18 - 20 OCT 74

CLASS M 80/80/10

CLASS X 40/30/05

PROTON 20/10/01

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 OCT 84

PREDICTED 18 - 20 OCT 80/76/74

90-DAY MEAN 17 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 OCT 40

ESTIMATED AFR/AP 17 OCT 45/57

PREDICTED AFR/AP 18 - 20 OCT 26/36 - 22/26 - 18/24

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