

HFUS BOU 180500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 291A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 18 OCT 1974

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS, WITH ONLY SUBFLARES AND CLASS C XRAY BURSTS REPORTED. REGION 503 (N08W77) IS THE ONLY REGION ON THE DISK.

IB. THE POSSIBILITY FOR AN ENERGETIC EVENT FROM REGION 503 REMAINS HIGH.

II. THE GEOMAGNETIC FIELD CONTINUES TO EXPERIENCE MINOR STORM LEVELS. ACTIVE TO STORM CONDITIONS ARE EXPECTED FOR THE REMAINDER OF THE FORECAST PERIOD.

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  
SOLTERWARN  
BT

HFUS 1 BOU 181°00  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 291B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 18 OCT 1974  
IA. AR 503 CONTINUES TO PRODUCE MINOR FLARES AS IT CROSSES  
WEST LIMB. THE LATEST AT 1253Z WAS CLASSIFIED AS A C5 BY  
GOES X-RAY SENSORS.  
IB. DURING THE NEXT 24 HOURS, AR503 WILL BE PRODUCING FLARES  
WHICH WILL BRING MINOR X-RAY ENHANCEMENTS AT THE RATE OF ONE EVERY  
6 HOURS. ALL OTHER PORTIONS OF THE SOLAR DISK WILL BE QUIET.  
II. MINOR GEOMAGNETIC STORM CONDITIONS WILL CONTINUE THROUGH  
THE FORECAST PERIOD.  
III. NO CHANGE.  
IV. NO CHANGE  
V. NO CHANGE  
SOLTERWARN  
BT

HFUS 1 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 291

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 18 OCT 1974

IA. THERE HAS BEEN A STEADY DECREASE IN SOLAR ACTIVITY AS AR503 ROTATES OFF THE WEST LIMB. A NEW REGION AR507 AT N08W28 IS STABLE. ALL OTHER PORTIONS OF THE DISK ARE QUIET.

IB. FLARE AND PROMINENCE ACTIVITY SHOULD CONTINUE DURING THE NEXT 24 HOURS AS AR503 COMPLETELY ROTATES ONTO BACK SIDE. AR507 SHOULD REMAIN STABLE AND PRODUCE A FEW C LEVEL FLARES IN THE NEXT 72 HOURS. NO RETURNING REGIONS ARE EXPECTED ON EAST LIMB.

II. THE GEOMAGNETIC FIELD CONTINUES AT MINOR STORM LEVELS.  
ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES 19-21 OCT

CLASS M 60/10/05

CLASS X 15/05/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 18 OCT 82

PREDICTED 19-21 OCT 78/76/76

90-DAY MEAN 18 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 OCT 39

ESTIMATED AFR/AP 18 OCT 29/40

PREDICTED AFR/AP 19-21 OCT 15/20-18/26-20/28

SOLTERWARN

BT