

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

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HFUS 1 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 294

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

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