

HFUS 1 BOU. 010500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 01 OCTOBER 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS.
THE DISK REGIONS HAVE BEEN QUIET AND STABLE.

IB. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL BUT REGION 497
(S06E39) STILL HAS THE POTENTIAL FOR MORE ACTIVITY.

II. THE GEOMAGNETIC DISTURBANCE HAS CONTINUED AND WILL CONTINUE
TO BE DISTURBED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

SOLTERWARN

BT

HFUS 1 BOU 011430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 01 OCTOBER 1974.

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 10 HOURS,
AND NO ENERGETIC ACTIVITY HAS BEEN REPORTED. REGION 497 (S06E33)
HAS SHOWN SLIGHT RECENT DECAY, AND A DELTA CONFIGURATION IS NOT
PRESENT IN THE INTERMEDIATE SPOTS. REGION 495 (N09E29) HAS EX-
HIBITED RECENT SPOT GROWTH AND MAY BE DEVELOPING SLIGHTLY IN
MAGNETIC COMPLEXITY. THIS REGION NOW CONTAINS A C-TYPE SPOT GROUP.
OTHER REGIONS HAVE REMAINED RELATIVELY UNIMPRESSIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGIONS 495 AND 497 MAY
PRODUCE SPORADIC ENERGETIC ACTIVITY, INCLUDING INFREQUENT CLASS
M FLARES.

II. THE GEOMAGNETIC FIELD WAS DISTURBED TO MINOR STORM INTENSITY
01/0000-0600Z. UNSETTLED CONDITIONS WERE OBSERVED AFTER 0600Z.
UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE FOR AT
LEAST 12 HOURS, WITH MAXIMUM DISTURBANCE LIKELY DURING LOCAL NIGHT
HOURS.

III. EVENT PROBABILITIES 01 OCT - 03 OCT

CLASS M 50/45/40

CLASS X 10/10/10

PROTON 03/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 SEPT 91

PREDICTED 01 OCT - 03 OCT 92/92/92

90-DAY MEAN 30 SEPT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 SEPT 10

ESTIMATED AFR/AP 30 SEPT 13/20

PREDICTED AFR/AP 01 OCT - 03 OCT 17/20 - 13/14 - 09/10

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HFUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 274

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

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 24 HOURS, AND NO SIGNIFICANT ENERGETIC ACTIVITY HAS BEEN REPORTED. REGION 497 (S06E28) HAS EXHIBITED SLOW DECAY, AND A DELTA CONFIGURATION NO LONGER EXISTS IN THE INTERMEDIATE PART OF THE SPOT GROUP. REGION 497 ALSO HAS DECLINED IN H-ALPHA, BUT THE PLAGE WEST OF THE MAIN FOLLOWER SPOT REMAINS MODERATELY IMPRESSIVE. REGION 495 (N10E24) HAS DEVELOPED RECENTLY, AND THIS REGION NOW CONTAINS A GAMMA-TYPE SPOT GROUP WITH A WEAK DELTA CONFIGURATION AT THE NORTHERN EDGE OF THE GROUP. OTHER REGIONS HAVE DECLINED OR ARE UNIMPRESSIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW. REGIONS 495 AND 497 MAY PRODUCE SPORADIC ENERGETIC ACTIVITY, INCLUDING PERHAPS ONE OR TWO CLASS-M FLARES DURING THE 3-DAY FORECAST PERIOD. REGION 497 SHOULD BE WATCHED CLOSELY FOR DEVELOPMENT BECAUSE OF ITS UNUSUAL MAGNETIC STRUCTURE.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE DURING THE PAST 24 HOURS, BUT SHORT PERIODS OF STORM CONDITIONS HAVE BEEN REPORTED BY SOME OBSERVATORIES AT HIGH GEOMAGNETIC LATITUDES. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE NEXT 3 DAYS, BUT ACTIVE CONDITIONS ARE LIKELY DURING LOCAL NIGHT.

III. EVENT PROBABILITIES 02 - 04 OCT

CLASS M 45/40/35

CLASS X 10/10/10

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 OCT 93

PREDICTED 02-04 OCT 92/92/92

90-DAY MEAN 01 OCT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 SEPT 18

ESTIMATED AFR/AP 01 OCT 18/22

PREDICTED AFR/AP 02-04 OCT 13/14 - 09/10 - 08/09

SOLTERWARN

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