

HFUS 1 BOU 300500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 373A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 30 SEPTEMBER 1974

IA. SOLAR ACTIVITY HAS INCREASED DURING THE PAST 24 HOURS. SEVERAL
CLASS C X-RAY FLARES HAVE BEEN OBSERVED. THE ACTIVITY HAS BEEN
OBSERVED IN REGION 497 (S11E55).

IB. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL WITH CLASS C
ACTIVITY AND PROBABLY CLASS M FLARES FROM REGION 497.

II. THE GEOMAGNETIC DISTURBANCE CONTINUES BUT IT HAS DECREASED
IN INTENSITY DURING THE PAST 24 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

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HFUS BOU 301430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 273B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 30 SEPT 1974

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 16 HOURS.
REGION 497 (S11E50) HAS PRODUCED NEARLY ALL OF THE OBSERVED ACTIVITY,
INCLUDING A SUB-BRILLIANT FLARE WHICH REACHED M1 X-RAY LEVELS AT
30/0700Z. OBSERVERS HAVE REPORTED THAT A DELTA MAGNETIC CONFIGURATION
MAY ALREADY EXIST IN REGION 497. OTHER REGIONS HAVE BEEN QUIET.
IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE MODERATE. MODERATELY
ENERGETIC FLARES (TO M-CLASS LEVELS) CAN BE EXPECTED FROM REGION
497 AS IT MATURES.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE FOR MOST OF THE
PAST 16 HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED TO QUIET THROUGH
THE REMAINDER OF THE DAY. THE FIELD SHOULD BECOME GRADUALLY QUIETER
THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 30 SEPT - 02 OCT 1974

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 03/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 SEPT 90

PREDICTED 30 SEPT - 02 OCT 95/96/97

90- DAY MEAN 29 SEPT 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 SEPT 13

ESTIMATED AFR/AP 29 SEPT 10/15

PREDICTED AFR/AP 30 SEPT - 02 OCT 11/20 - 08/15 - 06/10

SOLTERWARN

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HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 273

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 SEPT 1974

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS.
REGION 497 (S06E42) SHOWED RAPID DEVELOPMENT AND PRODUCED NUMEROUS
C-CLASS SUBFLARES. THIS PERIOD OF DEVELOPMENT SEEMS TO HAVE ENDED
AT 30/0700Z WITH A SUB-BRILLIANT FLARE IN THE REGION THAT REACHED
M1 X-RAY LEVELS. SINCE THEN THE REGION HAS BEEN QUIET. REGION 497
NOW APPEARS TO HAVE SIMPLIFIED SOMEWHAT IN WHITE LIGHT AND IT IS LESS
INTENSE IN H-ALPHA. OTHER REGIONS CURRENTLY ARE STABLE OR DE-
CLINING.

IB. SOLAR ACTIVITY SHOULD BE RELATIVELY LOW. REGION 497 DOES
POSSESS MODERATELY ENERGETIC FLARE POTENTIAL BUT IT MAY HAVE REACHED
ITS PEAK DEVELOPMENT. NOTHING MORE THAN PERHAPS ONE SMALL M-CLASS
FLARE SEEMS LIKELY FROM THE REGION AT THIS POINT.

II. THE GEOMAGNETIC FIELD HAS BEEN ESSENTIALLY UNSETTLED DURING THE
PAST 24 HOURS. IT IS EXPECTED THAT THE FIELD WILL CONTINUE
ITS TREND TOWARD QUIETER LEVELS OF ACTIVITY DURING THE FORECAST
PERIOD.

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 - 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 - 03 OCT 08/15 - 06/10 - 05/09

SOLTERWARN

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