

HFUS 1 BOU 290500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 272A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 29 SEPTEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
VERY LITTLE ACTIVITY HAS BEEN OBSERVED.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL.

II. THE GEOMAGNETIC FIELD REMAINS SLIGHTLY DISTURBED 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 BOU 291430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 272B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 29 SEPT 1974

IA. SOLAR ACTIVITY HAS BEEN GENERALLY LOW. HOWEVER, TWO SUBFLARES
HAVE BEEN REPORTED, WITHIN THE PAST FEW HOURS, IN REGIONS 497
(S07E58) AND 496 (S11E22). GOES SATELLITE DATA INDICATES A COMPLEX
SERIES OF X-RAY EVENTS OCCURRED DURING THESE FLARES, ALTHOUGH X-RAY
LEVELS ARE CURRENTLY NO HIGHER THAN C4.

IB. SOLAR ACTIVITY SHOULD BE RELATIVELY LOW BUT INCREASING.
THERE HAS BEEN EVIDENCE OF GROWTH IN REGION 496 WHICH NOW HAS SPOTS.
REGION 497 SEEMS TO BE LINKED ACROSS THE SOLAR EQUATOR WITH REGION
495 (N08E56) BY MEANS OF A COMMON NEUTRAL LINE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 16
HOURS. THE FIELD APPEARS TO BE QUIETING STEADILY AND SHOULD BE
ESSENTIALLY QUIET THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 29 SEPT - 01 OCT

CLASS M 10/15/20

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 SEPT 81

PREDICTED 29 SEPT - 01 OCT 83/85/87

90-DAY MEAN 28 SEPT 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 SEPT 17

ESTIMATED AFR/AP 28 SEPT 13/16

PREDICTED AFR/AP 29 SEPT - 01 OCT 10/14 - 07/10 - 05/08

SOLTERWARN

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HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 272

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 SEPTEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN RELATIVELY LOW DURING THE LAST 24 HOURS WITH SEVEN C-CLASS SUBFLARES REPORTED. MOST OF THE SUBFLARE ACTIVITY HAS COME FROM REGION 497 (S11E58) WHICH IS GROWING RAPIDLY IN ALL PARAMETERS. 1-8 ANGSTROM X-RAY LEVELS HAVE BEEN HIGH ALL DAY WITH FREQUENT MAXIMA FROM C2 TO C4 LEVELS. SOME OF THESE MAXIMA HAVE COINCIDED WITH OPTICAL EVENTS IN REGION 497. THE REGION STILL APPEARS MAGNETICALLY SIMPLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE AS REGION 497 CONTINUES TO DEVELOP. THE REGION IS A PROVEN X-RAY PRODUCER AND THEREFORE SHOULD BE REGARDED WITH CAUTION. IT IS LIKELY TO BEGIN PRODUCING MODERATELY ENERGETIC FLARES SOON IF GROWTH CONTINUES. REGION 496 (S06E21) IS GROWING IN WHITE LIGHT BUT REMAINS UNIMPRESSIVE.

II. THE GEOMAGNETIC FIELD HAS BEEN SOMEWHAT UNSETTLED DURING THE PAST 24 HOURS. THE FIELD IS GRADUALLY BECOMING QUIET. THE FIELD IS EXPECTED TO BE QUIET THROUGH THE FORECAST PERIOD WITH UNSETTLED PERIODS DURING LOCAL NIGHTTIME HOURS.

III. EVENT PROBABILITIES 30 SEPT - 02 OCT

CLASS M 25/30/35

CLASS X 05/05/05

PROTON 01/01/01

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 07/10 - 06/09 - 05/08

SOLTERWARN

BT