

HFUS 1 BOU 020500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDE NUMBER 275A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 2 OCT 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. REGION 495 (N10E20) CONTINUES SLOW GROWTH AND HAS BEEN PRODUCING OCCASIONAL, TYPE III RADIO BURSTS. OTHER REGIONS ARE STABLE OR DECLINING.

IB. ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW, WITH AN INCREASING PROBABILITY OF ENERGETIC ACTIVITY FROM REGION 495 IF GROWTH CONTINUES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED. UNSETLED CONDITIONS ARE EXPECTED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 - 04 OCT

CLASS M 30/35/35

CLASS X 05/07/10

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 021430
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 275B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 02 OCT 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 10 HOURS, AND NO SIGNIFICANT ENERGETIC ACTIVITY HAS BEEN REPORTED. REGION 495 (N10E15) HAS SHOWN ONLY SLIGHT RECENT GROWTH, BUT THIS REGION APPARENTLY STILL RETAINS ITS GAMMA-DELTA MAGNETIC CONFIGURATION. REGION 496 (S10W13) ALSO HAS SHOWN SLIGHT RECENT DEVELOPMENT. REGION 497 (S06E19) HAS CONTINUED TO DECLINE. SURGES AT SE18 SUGGEST THAT A SMALL ACTIVE CENTER SOON MAY CROSS THE LIMB NEAR THAT LOCATION.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW, WITH SPORADIC ACTIVITY LIKELY IN REGIONS 495, 496, AND 497. SHOULD DEVELOPMENT CONTINUE IN REGION 495, ENERGETIC FLARES MAY OCCUR THERE.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 10 HOURS. GENERALLY UNSETLED CONDITIONS ARE LIKELY DURING THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 - 04 OCT

CLASS M 30/30/30

CLASS X 05/05/05

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

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HFUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 275

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 OCT 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 24 HOURS, AND NO SIGNIFICANT FLARE ACTIVITY HAS BEEN REPORTED. REGIONS 495 (N10E12) AND 497 (S06E15) HAVE SHOWN NO RECENT GROWTH, AND H-ALPHA ANALYSIS SUGGESTS THAT MAGNETIC FIELD GRADIENTS ARE WEAKENING IN THESE REGIONS. REGION 495 STILL CONTAINS THE DELTA CONFIGURATION REPORTED IN SDF 274, BUT THIS REGION CLEARLY IS DECLINING NOW.

REGION 496 (S10W19) HAS SHOWN SLIGHT RECENT DEVELOPMENT, BUT STRONG MAGNETIC FIELD GRADIENTS ARE NOT BELIEVED TO EXIST IN THIS REGION. OTHER DISK FEATURES ARE QUIET AND UNIMPRESSIVE. DATA FROM THE CULGOORA RADIOSPECTROHELIOGRAPH INDICATE THAT AN ACTIVE CENTER PRESENTLY MAY LIE BEHIND THE NORTHEAST LIMB. REGION 487, WHICH WAS ACTIVE ON ITS PREVIOUS DISK PASSAGE, PRESENTLY IS LOCATED ABOUT 35 DEGREES, OR ALMOST 3 DAYS OF ROTATION, BEHIND THE LIMB NEAR NE08. RECENT MINOR SURGE ACTIVITY NEAR NE08 INDICATES THAT PERHAPS MORE THAN ONE REGION MAY EXIST THERE.

IB. SOLAR ACTIVITY PROBABLY WILL REMAIN VERY LOW DURING THE NEXT 48 HOURS, ALTHOUGH REGIONS 495, 496, AND 497 MAY PRODUCE ONE OR TWO SMALL ENERGETIC EVENTS. PREVIOUSLY ACTIVE REGION 487 IS EXPECTED TO PRODUCE SPORADIC LIMB ACTIVITY, AND SOME OF THIS ACTIVITY MAY BE ASSOCIATED WITH CLASS C OR PERHAPS CLASS M X-RAY BURSTS BY 05 OCTOBER.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE DURING THE PAST 24 HOURS. GENERALLY UNSETLED CONDITIONS ARE LIKELY DURING THE NEXT THREE DAYS, AND A GRADUAL TREND TOWARD QUIETER CONDITIONS IS EXPECTED DURING THIS PERIOD.

III. EVENT PROBABILITIES 03 - 05 OCT

CLASS M 30/30/35

CLASS X 05/05/10

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 OCT 95

PREDICTED 03-05 OCT 94/94/96

90-DAY MEAN 02 OCT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 OCT 20

ESTIMATED AFR/AP 02 OCT 16/18

PREDICTED AFR/AP 03-05 OCT 09/10 - 08/09 - 07/08

SOLTERWARN

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