

HFUS 1 BOU 100500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 253A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 10 SEPTEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. VERY FEW
FLARES HAVE BEEN OBSERVED BUT THE DEKEMETRIC CONTINUUM WITH TYPE
THREE BURST CONTINUED UNTIL SUNSET AT BOULDER. REGION 487 (N07E70)
HAS PRODUCED MOST OF THE ACTIVITY DURING THE PAST 24 HOURS AND
DOES CONTAIN A DELTA CONFIGURATION.

IB. SOLAR ACTIVITY WILL CONTINUE TO INCREASE AND CLASS C AND CLASS
M FLARES ARE PROBABLE DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET AND IS EXPECTED TO REMAIN QUIET
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

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WFUS 1 BOU 101400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 253B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 10 SEPT 1974

IA. OPTICAL PATROL HAS BEEN LIMITED BY WEATHER THUS FAR TODAY,
SO REPORTS HAVE BEEN SPARSE. HOWEVER, SATELLITE LEVEL
INDICATORS HAVE OBSERVED SEVERAL CLASS C X-RAY EVENTS. REGION
487 (N07E66), THE PROBABLE SOURCE OF THE ACTIVITY, REMAINS LARGE
AND IMPRESSIVE. ALSO REGION 482 (N08W43) CONTINUES ITS WHITE
LIGHT GROWTH WITH ARCH-FILAMENTS VISIBLE. A NEW REGION 490 (S16E77),
IS NOW VISIBLE AND CONTAINS AN H-TYPE SPOT.

IB. SOLAR ACTIVITY WILL CONTINUE LOW TO MODERATE WITH ENERGETIC
EVENTS LIKELY.

II. THE GEOMAGNETIC FIELD CONTINUES TO BE QUIET TO MILDLY UN-
SETTLED. THIS SAME LEVEL OF ACTIVITY WILL CONTINUE THROUGHOUT
THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 - 12 SEPT

CLASS M 40/50/60

CLASS X 03/04/05

PROTON 03/04/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 SEPT 95

PREDICTED 10 - 12 SEPT 98/100/102

90-DAY MEAN 09 SEPT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 SEPT 07

ESTIMATED AFR/AP 09 SEPT 06/08

PREDICTED AFR/AP 10 - 12 SEPT 05/07 - 07/09 - 07/09

SOLTERWARN

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HFUS BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 253

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 SEPT 1974

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 487 (N08E57) REMAINS THE MAIN AREA OF INTEREST BEING A CLASS/AREA D/750 MILLIONTHS GROUP. OCCASIONAL FLARES HAVE BEEN OBSERVED HERE, WITH THE LARGEST BEING A SUB-NORMAL/C-6 (GOES) WHICH ATTAINED MAXIMUM AT 1321Z. SHORT-WAVE FADES AND SMALL RADIO BURSTS WERE ASSOCIATED. THE REGION REMAINS COMPLEX AND POTENT, BEING A REVERSED POLARITY, BETA-GAMMA DELTA MAGNETIC TYPE. REGION 482 (N07W53) IS NOW A "D" TYPE SPOT GROUP, AND HAS GENERATED TWO SMALL SUBFLARES. REGION 488 (S12E59), ALTHOUGH QUIET, IS ALSO CLASSIFIED MAGNETICALLY AS BETA-GAMMA DELTA. REGION 490 (S16E70) IS NEW TODAY AND CONTAINS A SINGLE "H" TYPE SPOT. TYPE III DEKAMETRIC AND CONTINUUM SWEEP FREQUENCY EMISSION HAVE BEEN COMMON THROUGHOUT THE DAY.

IB. ISOLATED M-CLASS FLARES ARE EXPECTED THROUGHOUT THE FORECAST PERIOD. REGIONS 487 AND 488 ARE BOTH IMPRESSIVE IN H-ALPHA AND WHITE LIGHT, AND ARE LIKELY FLARE PRODUCERS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO MILDLY UNSETTLED FOR THE PAST 24 HOURS. EXPECT THE SAME LEVEL OF ACTIVITY TO PERSIST FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 11 - 13 SEPT

CLASS M 60/60/60

CLASS X 25/25/25

PROTON 10/15/20

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 SEPT 101

PREDICTED 11-13 SEPT 105/108/111

90-DAY MEAN 10 SEPT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 SEPT 04

ESTIMATED AFR/AP 10 SEPT 07/09

PREDICTED AFR/AP 11-13 SEPT 07/09 - 07/09 - 08/10

VI. NOTE:

PRELIMINARY REPORTS INDICATE A MAJOR EVENT IN REGION 487 AT APPROXIMATELY 2145Z. X-RAYS EXCEEDED CLASS X THRESHOLDS, WHILE OPTICALLY POSSIBLY A TWO-NORMAL. RADIO BURSTS OF ROUGHLY 4300 FLUX UNITS WERE NOTED AT 10 CM. EVENT IS STILL IN PROGRESS.

SOLTERVARN

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