

HFUS 1 BOU 190500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 262A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 19 SEPTEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN LOW SINCE THE LAST M-1 EVENT AT ABOUT
13/1500Z. NO SIGNIFICANT CHANGES HAVE BEEN OBSERVED ON THE VISIBLE
DISK.

IB. ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW, WITH INTERSPERSED
OCCASIONAL ENERGETIC EVENTS.

II. A SUDDEN COMMENCEMENT OF 30 GAMMAS MAGNITUDE WAS OBSERVED AT
19/0045Z. THE ENSUING STORM MAIN PHASE RESULTED IN A K OF 5 AT
BOULDER, BUT THE FIELD HAS NOW QUIETED SOMEWHAT. ACTIVE TO MINOR
STORM CONDITIONS ARE EXPECTED THRU 19 SEPT., FOLLOWED BY 48 HOURS
OF GENERALLY ACTIVE CONDITIONS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 SEPT 04

ESTIMATED AFR/AP 18 SEPT 10/14

PREDICTED AFR/AP 19 SEPT - 21 SEPT 30/42 - 20/24 - 20/24

SOLTERWARN

BT

HFUS 1 BOU 191400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 262B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 19 SEPT 1974

IA. SOLAR ACTIVITY HAS BEEN MINOR WITH ONE SUBFAINT AT
0623Z IN AR 487. MINOR RADIO BURSTS WERE ASSOCIATED WITH THIS
FLARE.

IB. ALTHOUGH AR 487 IS DECLINING IN INTENSITY AND NO RETURNING
REGIONS ARE EXPECTED, THE PROBABILITY OF SIGNIFICANT FLARE ACTIVITY
REMAINS. THE COMPLEX OF AR487, 488 AND 492 WILL BE ON DISK
FOR SEVERAL MORE DAYS AND COULD EASILY PRODUCE M LEVEL FLARES.

II. THE GEOMAGNETIC FIELD IS NEAR MINOR STORM INTENSITY.
THIS CONDITION SHOULD CONTINUE FOR NEXT 48 HOURS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

BT

HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 262

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 SEP 1974

IA. SOLAR ACTIVITY HAS BEEN MINIMAL WITH AR 487 AND AR 488
DECLINING IN SIZE AND INTENSITY.

IB. AR 487 RETAINS THE POTENTIAL TO PRODUCE M AND X FLARES,
THEREFORE PROBABILITIES ARE CONTINUED AT A HIGH LEVEL. OTHER
REGIONS ARE EXPECTED TO BE WEAK. NO RETURNING REGIONS EXPECTED.

II. THE GEOMAGNETIC FIELD IS DISTURBED, AND IS EXPECTED TO
CONTINUE DISTURBED TO SLIGHTLY DISTURBED FOR NEXT THREE DAYS.

III. EVENT PROBABILITIES 20-22 SEP

CLASS M 45/45/40

CLASS X 15/15/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 SEP 91

PREDICTED 20-22 SEP 92/91/90

90-DAY MEAN 19 SEP 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 SEP 15

ESTIMATED AFR/AP 19 SEP 22/30

PREDICTED AFR/AP 20-22 SEP 18/24 - 12/15 - 15/17

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