

HFUS 1 BOU 160500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 259A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 16 SEPTEMBER 1974

IA. THE SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS.
NO FLARES HAVE BEEN OBSERVED.

IB. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL BUT REGION 487
(N07W12) HAS THE POTENTIAL FOR BOTH M AND X FLARES.

II. THE MAJOR GEOMAGNETIC STORM WHICH STARTED 15/1344Z CONTINUES.
THE INTENSITY IS EXPECTED TO DECREASE TO MINOR STORM 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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HFUS BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 259

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 SEP 1974

IA. NO SIGNIFICANT SOLAR ACTIVITY HAS BEEN REPORTED DURING THE
PAST 24 HOURS. RGN 487 (N08W25) RETAINS ITS DELTA CONFIGURATION AND
CONTINUES TO PRODUCE SPORADIC SUBFLARE ACTIVITY OF CLASS "C" X-RAY
MAGNITUDE. LITTLE CHANGE HAS BEEN NOTED IN THE STRUCTURE OF EITHER
487 OR 488 (S11W26). HIGH X-RAY BACKGROUND, 245 MHZ NOISE STORMS
AND SWEEP FREQUENCY CONTINUUM ATTEST TO THE DYNAMIC POTENTIAL OF
THESE REGIONS.

IB. ENERGETIC EVENTS, POSSIBLY AS HIGH AS CLASS "X", ARE EXPECTED
DURING THIS FORECAST PERIOD.

II. THE GEOMAGNETIC DISTURBANCE HAS SUBSIDED SIGNIFICANTLY IN THE
DAYLIGHT SECTOR, BUT PARTICLE EMISSION AND THE SOLAR WIND SPEED
WOULD SUGGEST THAT DISTURBED CONDITIONS WILL PERSIST IN NIGHTTIME
SECTORS.

III. EVENT PROBABILITIES 17 - 19 SEP

CLASS M 70/70/70

CLASS X 30/30/30

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 SEP 98

PREDICTED 17-19 SEP 96/94/92

90-DAY MEAN 16 SEP 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 SEP 44

ESTIMATED AFR/AP 16 SEP 54/85

PREDICTED AFR/AP 17-19 SEP 35/51 - 24/31 - 23/30

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