



# Delta II Launch Weather Criteria

**Do not launch** if the wind at the launch pad exceeds 28 to 30 knots, depending on direction.

**Do not launch** through upper-level conditions containing wind shear that could lead to control problems for the launch vehicle.

**Do not launch** through precipitation, or clouds containing precipitation.

**Do not launch** through or within five nautical miles of a cloud layer greater than 4,500 feet thick that extends into freezing temperatures, unless other specified criteria have been met.

**Do not launch** through or within five to 10 miles of cumulus clouds with tops that extend into freezing temperatures unless specified conditions and distances can be met.

**Do not launch** within 10 nautical miles of the edge of a thunderstorm that is producing lightning for 30 minutes after the last lightning is observed.

**Do not launch** for 30 minutes after lightning is observed within 10 nautical miles of the launch pad or the flight path unless specified conditions can be met.

**Do not launch** if field mill instrument readings within five nautical miles of the launch



pad or the flight path exceed +/- 1,500 volts per meter for 15 minutes after they occur, or +/- 1,000 volts per meter if specified criteria can be met.

**Do not launch** through a thunderstorm anvil cloud; if the cloud is within 10 nautical miles of the flight path, do not launch for 30 minutes after the last lightning is observed.

**Do not launch** through thunderstorm detached anvil clouds or debris clouds for up to three hours unless specified field mill measurements and radar requirements are met, or within 10 nautical miles for 30 minutes after anvil detachment has occurred, or after the last lightning has been observed in the detached anvil.

**Do not launch** through disturbed weather that has clouds that extend into freezing temperatures and contain moderate or greater precipitation, or launch within five nautical

miles of disturbed weather within the flight path unless specified criteria can be met.

**Do not launch** through clouds formed as the result of or directly attached to a smoke plume.

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