

The Boomerang UAV will take-off from one of two airstrips at the Kentland Farm. Take-off will be via 72MHz PCM RC. Once near the target sampling altitude, the UAV will be turned over to the flight controller for atmospheric sampling for a period of 15 minutes. After 15 minutes, the pilot will regain RC control and land the UAV on the same airstrip where it was launched from. All of the take-offs and landings will be based at the airstrips at Virginia Tech's Kentland Farm. A map of the airstrips and the flying area of the farm has been uploaded into the map section.