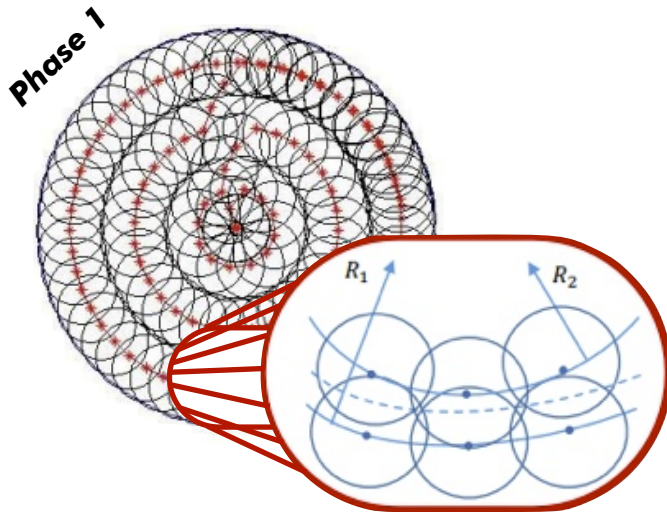


MK-III.3 "The Terminator"

Technical Specifications:

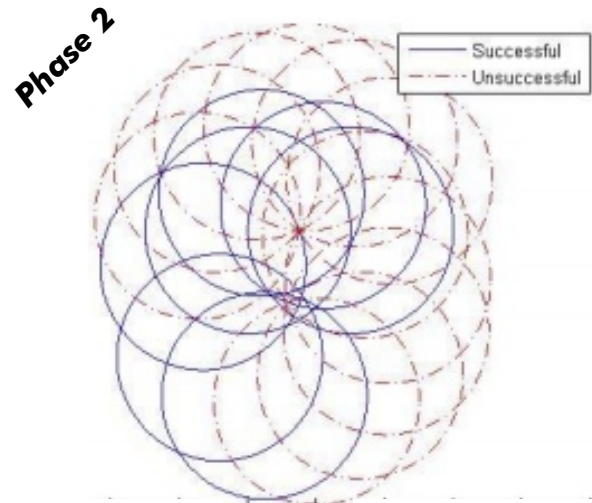
- APM 2.6
- Balsa/Monokote/Plywood/Carbon Fiber construction
- HC2808 Himax Brushless Motor
- Aeronaut CAM Folding Propellers
- 7.4V 1100mAh 2-Cell Li-Po Batt.
- $L/D_{MAX} = 16.3$
- Weight = 451 g
- Wing Area = 0.2 m²
- Wing Loading = 21.8 N/m²
- Wingspan = 1.42 m

Mission Strategy



Average Score: 30 pts

In this phase, we fly a spiral at the highest altitude while taking overlapping snapshots that ensure coverage over the entirety of Lake Lagunita's flyable region to guarantee sighting all targets.



Average Score: 35 pts

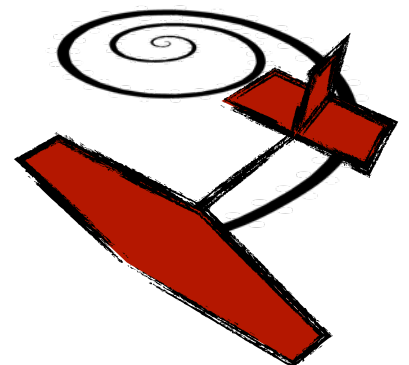
After acquiring initial target estimates, we circle each target individually and refine results with 13 or more successive snapshots. Battery limits are in place to ensure all target estimates are within two meters.

The Team

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Peter Blake
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Ian Villa
Jerry Watkins

Mission Strategy Lead
Pilot & Fabrication
Controls Lead & Pilot
Fabrication Lead
Aircraft Performance Lead
Aerodynamics/Design Lead
Team Lead
Navigation Lead

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