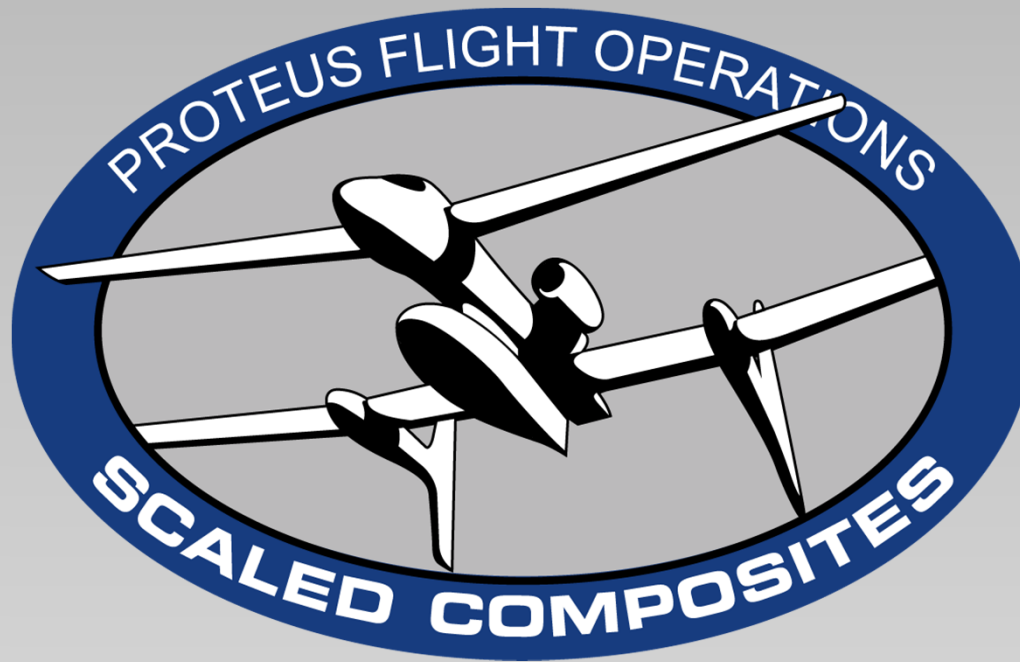


Proteus in the ER-2 Surrogate Pod Configuration



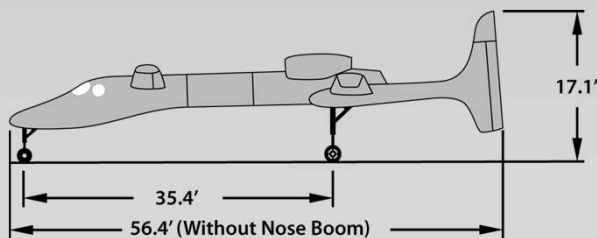
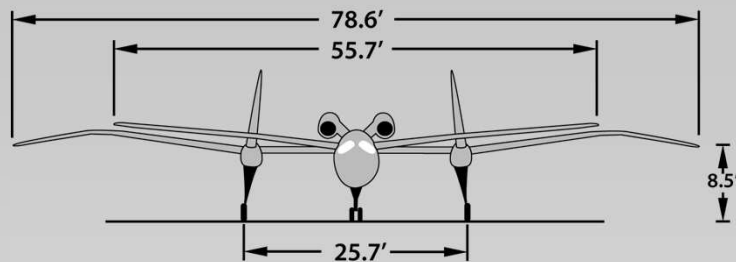
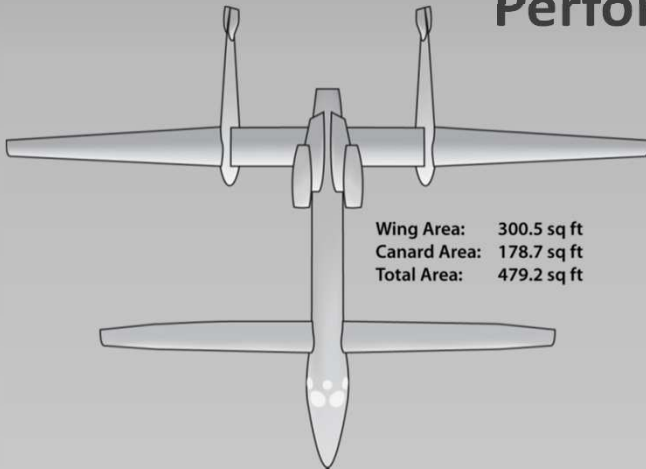
Scaled Composites

1/16/2013



PROTEUS

Performance Envelope



Certification

- Experimental – R&D
- Maintenance & Modification Authority: Scaled Composites

Weights:

- Gross weight: 14,200 lbs
- Empty weight: 6,910 lbs
- Fuel weight (max. possible w/o bladder): 5911 lbs
- Max landing weight: 12,500 lbs

Flight Envelope:

- Part 23 G loading: +3.2 & -1.8
- $V_{mo}=160 < 43\text{kft}$ $M_{mo} = 0.6 \text{ Ma}$
- Cruise: 125-140kias or 300ktas
- Maximum Demonstrated Altitude: 63,245 ft
- Service Ceiling w/ 2200lb payload: 56,000 ft

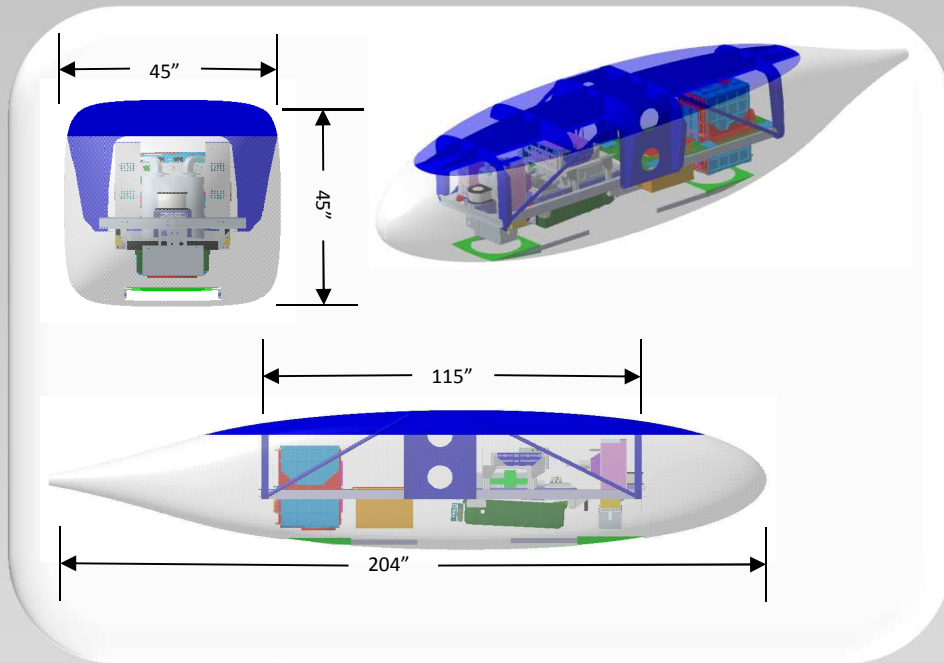
Range: 3125nm (Bangor to Paris)

Demo Max Duration: 12.2 hours



Pod Overview

- Interfaces mimic ER-2 nose and/or wing pods
- Tested payload weight = 770 lbs
 - Front Rack = 520 lbs & Rear = 250lb
 - Higher weights can be accommodated.
- Actuated doors to protect downward looking transparencies
- Configured to support the NASDAT System
- Bleed air antifogging system
- Unpressurized
 - Other pods w/ pressurization are available



Scaled Contacts

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Bids & Proposals

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