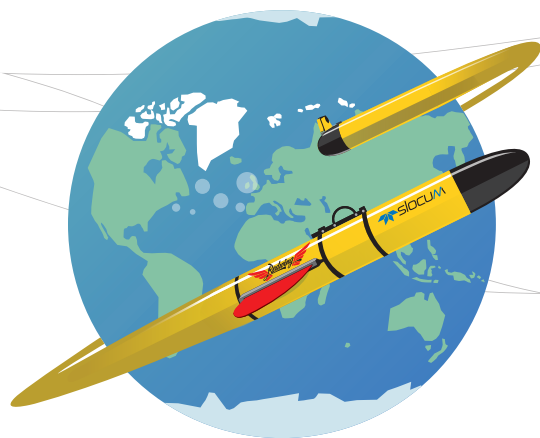




# SENTINEL MISSION

## Sentinel Flight Data

| Leg | Start Location          | End Location            | Segment Time<br>(Approximate Days)                                   | Segment Distance km<br>(Approximate Distance) |
|-----|-------------------------|-------------------------|----------------------------------------------------------------------|-----------------------------------------------|
| 1   | Cape Cod, USA           | Gran Canaria, Spain     | 148                                                                  | 6152                                          |
| 2   | Gran Canaria, Spain     | Cape Town, South Africa | 309                                                                  | 12141                                         |
| 3   | Cape Town, South Africa | Perth, Australia        | 260                                                                  | 10486                                         |
| 4   | Perth, Australia        | Wellington, New Zealand | 174                                                                  | 7419                                          |
| 5   | Wellington, New Zealand | Falkland Islands        | 245                                                                  | 1512905                                       |
| 6   | Falkland Islands        | Brazil                  | 91                                                                   | 4055                                          |
| 7   | Brazil                  | Cape Cod, USA           | 323                                                                  | 12244                                         |
|     |                         |                         | <b>Total Time (years/days)</b><br>1553 days<br>(4 years and 92 days) | <b>Total Distance (km)</b><br>63463           |

The Sentinel Mission will be the first-ever circumnavigation of the globe by a robotic autonomous underwater glider named Redwing—a Slocum Sentinel Glider developed by Teledyne Marine, who have partnered with Rutgers University to plan this endeavor.

Redwing stands for:

**R**esearch  
**E**ducation  
**D**oug  
**W**ebb  
**I**nter  
**N**ational  
**G**lider

### Student-Designed Route

Rutgers undergraduate students are actively involved in designing the flight path, accounting for:

- Ocean currents
- Maintenance Stops
- Geopolitical factors
- Biological hazards like biofouling and predators
- Emergency recovery off-ramps



Visit a live online flight viewer that allows the public to track Redwing's journey.

<https://rucool.marine.rutgers.edu/sentinel-glider/the-sentinel-mission/flight-viewer/>