

# Naval Postgraduate School CIRPAS Twin Otter Request Form

Please complete these planning forms and mail, fax or e-mail to:  
**CIRPAS: C/O Roy Woods, 3200 Imjin Road, Marina, CA 93933;**  
**Tel (831) 384-2776 x12; Fax (831) 384-3277; e-mail: rkwoods@nps.edu**

**Mission Scientist:** \_\_\_\_\_  
**Institution :** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Email address:** \_\_\_\_\_  
**Mission Location:** \_\_\_\_\_  
**Proposal Title:** \_\_\_\_\_

**Mission Dates** \_\_\_\_\_  
**Phone number:** \_\_\_\_\_  
**Fax number:** \_\_\_\_\_  
**Flight Hours:** \_\_\_\_\_  
**Number of flights:** \_\_\_\_\_  
**Funding Agency:** \_\_\_\_\_  
**If NSF then also** \_\_\_\_\_  
**Proposal Number:** \_\_\_\_\_

List all other **PIs** on science team

	<u>Name</u>	<u>Institution</u>	<u>Position</u>	<u>Dates Involved</u>
1				
2				
3				
4				
5				

Describe mission objectives, location, and flight path requirements:

# Sensors

## CIRPAS Facility Measurements (Check which measurements are desired)

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Time (UTC)          | <input type="checkbox"/> Static Pressure         | <input type="checkbox"/> CIP-2D Size Distribution |
| <input type="checkbox"/> Position (Lat,Long) | <input type="checkbox"/> Dynamic Pressure        | <input type="checkbox"/> PIP-2D Size Distribution |
| <input type="checkbox"/> Altitude (GPS)      | <input type="checkbox"/> Surface Temperature     | <input type="checkbox"/> PDI Droplet size dist.   |
| <input type="checkbox"/> Ground Speed        | <input type="checkbox"/> Sky Temperature         | <input type="checkbox"/> TSI Scatter, 3I          |
| <input type="checkbox"/> Ground Track        | <input type="checkbox"/> Wind Speed              | <input type="checkbox"/> PSAP Absorption, 3I      |
| <input type="checkbox"/> Heading             | <input type="checkbox"/> Wind Direction          | <input type="checkbox"/> SP2 Soot                 |
| <input type="checkbox"/> Pitch               | <input type="checkbox"/> Vertical Wind Speed     | <input type="checkbox"/> PASS3 Absorption         |
| <input type="checkbox"/> Roll                | <input type="checkbox"/> CN/Ultrafine            | <input type="checkbox"/> SO <sub>2</sub>          |
| <input type="checkbox"/> True Airspeed       | <input type="checkbox"/> CCN, Dual Column        | <input type="checkbox"/> O <sub>3</sub>           |
| <input type="checkbox"/> Radar Altimeter     | <input type="checkbox"/> PCASP Size Distribution |   |
| <input type="checkbox"/> Total Temperature   | <input type="checkbox"/> CAPS Size Distribution  |   |
| <input type="checkbox"/> Dew Point           | <input type="checkbox"/> FSSP Size Distribution  |   |

## CIRPAS Research Measurements (Check whose collaboration is desired)

- |   |   |
|---|---|
| <input type="checkbox"/> <b>Cloud Radar</b>                         | Bruce Albrecht, University of Miami     |
| <input type="checkbox"/> <b>CVI</b>                                 | Armin Sorooshian, University of Arizona |
| <input type="checkbox"/> <b>AMS</b>                                 | John Seinfeld, Caltech                  |
| <input type="checkbox"/> <b>PILS</b>                                | John Seinfeld, Caltech                  |
| <input type="checkbox"/> <b>TDMA</b>                                | Rick Flagan, Caltech                    |
| <input type="checkbox"/> <b>Radiometers</b>                         | Anthony Bucholtz, NRL Monterey          |
| <input type="checkbox"/> <b>Wind Lidar</b>                          | Dave Emmitt, Simpson Weather Associates |
| <input type="checkbox"/> <b>Turbulence/Controlled Towed Vehicle</b> | Djamal Khelif, UC Irvine                |

## Additional Instruments required (Describe what else you want integrated on the aircraft)