

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: _____	Mission Dates _____
Institution : _____	Phone number: _____
Address: _____	Fax number: _____
Email address: _____	Flight Hours: _____
Mission Location: _____	Number of flights: _____
Proposal Title: _____	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 ₂ |
| <input type="checkbox"/> True Airspeed | <input type="checkbox"/> CCN, Dual Column | <input type="checkbox"/> O ₃ |
| <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"/> Cloud Radar | Bruce Albrecht, University of Miami |
| <input type="checkbox"/> CVI | Armin Sorooshian, University of Arizona |
| <input type="checkbox"/> AMS | John Seinfeld, Caltech |
| <input type="checkbox"/> PILS | John Seinfeld, Caltech |
| <input type="checkbox"/> TDMA | Rick Flagan, Caltech |
| <input type="checkbox"/> Radiometers | Anthony Bucholtz, NRL Monterey |
| <input type="checkbox"/> Wind Lidar | Dave Emmitt, Simpson Weather Associates |
| <input type="checkbox"/> Turbulence/Controlled Towed Vehicle | Djamal Khelif, UC Irvine |

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