

CENTER FOR INTERDISCIPLINARY REMOTELY-PILOTED AIRCRAFT STUDIES (CIRPAS)



AIRCRAFT ASSETS



**NAT – 750
(2)**



Pelican (2)



Altus



**Ground Control
Station (2)**



Predator (3)



UV 18-A Twin Otter

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GROUND BASED ASSETS



MPQ-64 (2) Mobile Storm Radar



95 GHz Cloud Radar

Winds LIDAR



CIRPAS FACILITIES:

- **Marina Facility (Hager 507)**

35,000 sq ft maintenance hangar

3500 ft runway - manned operations only

Office space

Maintenance facility

Payload development and integration

Logistics planning and support to research and test projects





CIRPAS FACILITIES:

- **Camp Roberts Facility**

Friendly airspace for UAV testing and training (R2503).

Military ground maneuvers (equipment, personnel)

3500 x 60 ft runway

2000 sq ft hangar

Office Space





SUPPORT FOR THE FLEET



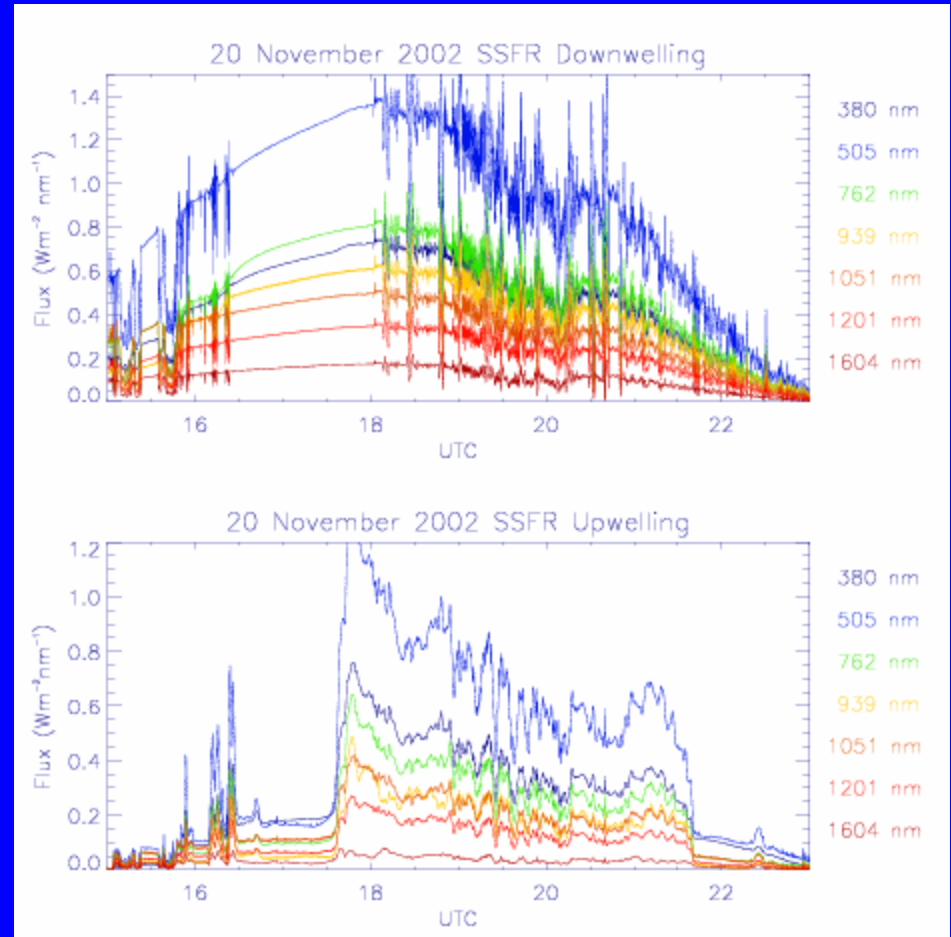


SUPPORT FOR NATIONAL SCIENCE INITIATIVES



CIRPAS SCIENTIFIC INSTRUMENTATION

Stabilized Radiometer Platform





CIRPAS SCIENTIFIC INSTRUMENTATION

Theromodynamic Fluxes





CIRPAS SCIENTIFIC INSTRUMENTATION

Low Altitude Atmospheric Flux Platform



CIRPAS Twin Otter Systems:

- Reeling system.
- Reeling system control unit.
- Cable cutter for emergency release.
- Fiber optic Multiplexer for connection to existing RADD system (Option).
- Metric System RF Link (Option).
- AC/DC Power converter.
- Conformal bottom fairing
- Aft/Down looking Pulnix TCM-73M miniature camera.
- Software for acquisition and

Towed Vehicle Systems:

- Turbulence hemisphere with Setra pressure transducers.
- Rosemount Temperature probes.
- KH20 Hygrometer.
- C-MIGITS II INS/GPS reference unit.
- National Instruments Fieldpoint DAQ Units.
- Flight control computer with radar altimeter and servo control.
- Forward looking Pulnix TCM-73M miniature camera
- BCI 280 Fiber optic multiplexer (Option).
- Metric Systems RF datalink (Option).
- DC-DC Power converter (Option).



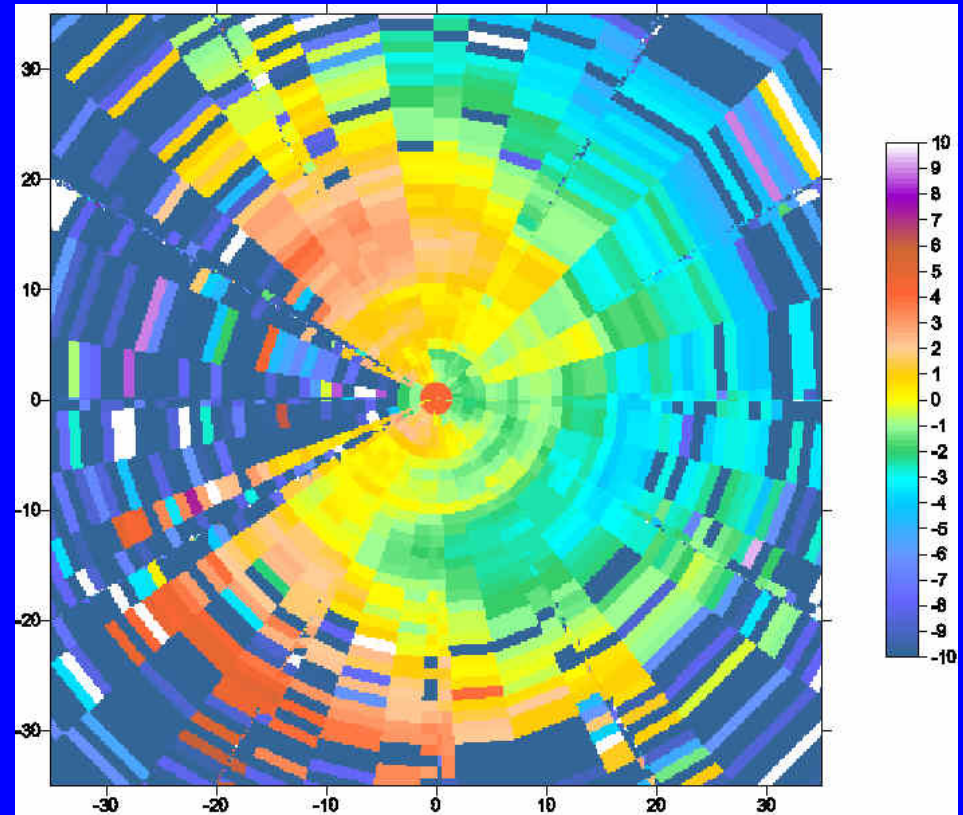


CIRPAS SCIENTIFIC INSTRUMENTATION

Winds LIDAR



TODWL two axis scanner





CIRPAS SCIENTIFIC INSTRUMENTATION

95 GHz Cloud Radar

