



Flinders Centre for Airborne Research Airborne Research Australia (MNRF)

Work in Progress – Integration of Riegl Laser Scanner

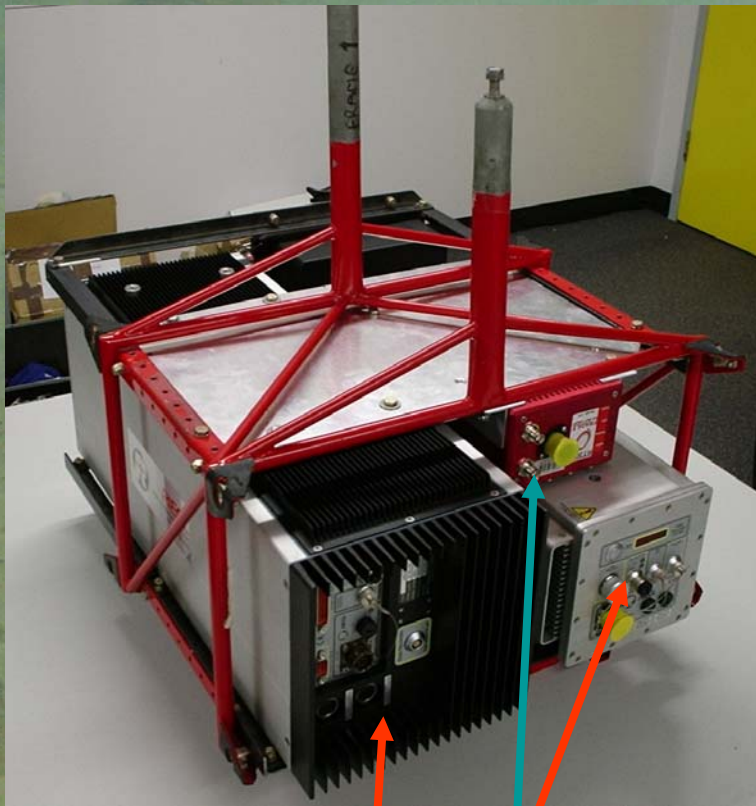


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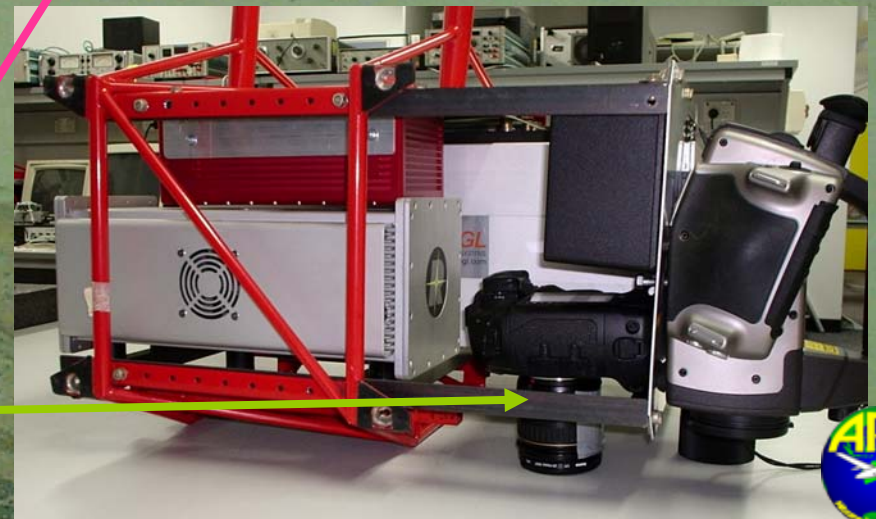
ARA
FCAR

Flinders University - Adelaide





ARA Remote Sensing Pod with:
Riegl Q560 ALS
Riegl Data Recorder
OTS RT3003 IMU/GPS
FLIR S60 IR-imager
ARA/AWI Hi-Res Tri-Spectral Scanner
Canon EOS 1Ds digital camera
Sony HC1 High Definition Video (not fitted yet)





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The Remote Sensing Pod installed under the wing
of the ARA ECO-Dimona

Installed in other pod:

- Riegl LD90 (for ultra hi-res vegetation and landscape structure)
- ARA VEGmeter (for ultra hi-res vegetation health)
- Heimann KT15 Infra-red surface temperature sensor
- Broadband radiometers for solar and terrestrial radiation
- ARA MetPod with instrumentation for measuring fluxes of heat water vapour (evaporation) and CO₂



First collaborative science project: Survey of river systems in Northern Australia September 2006



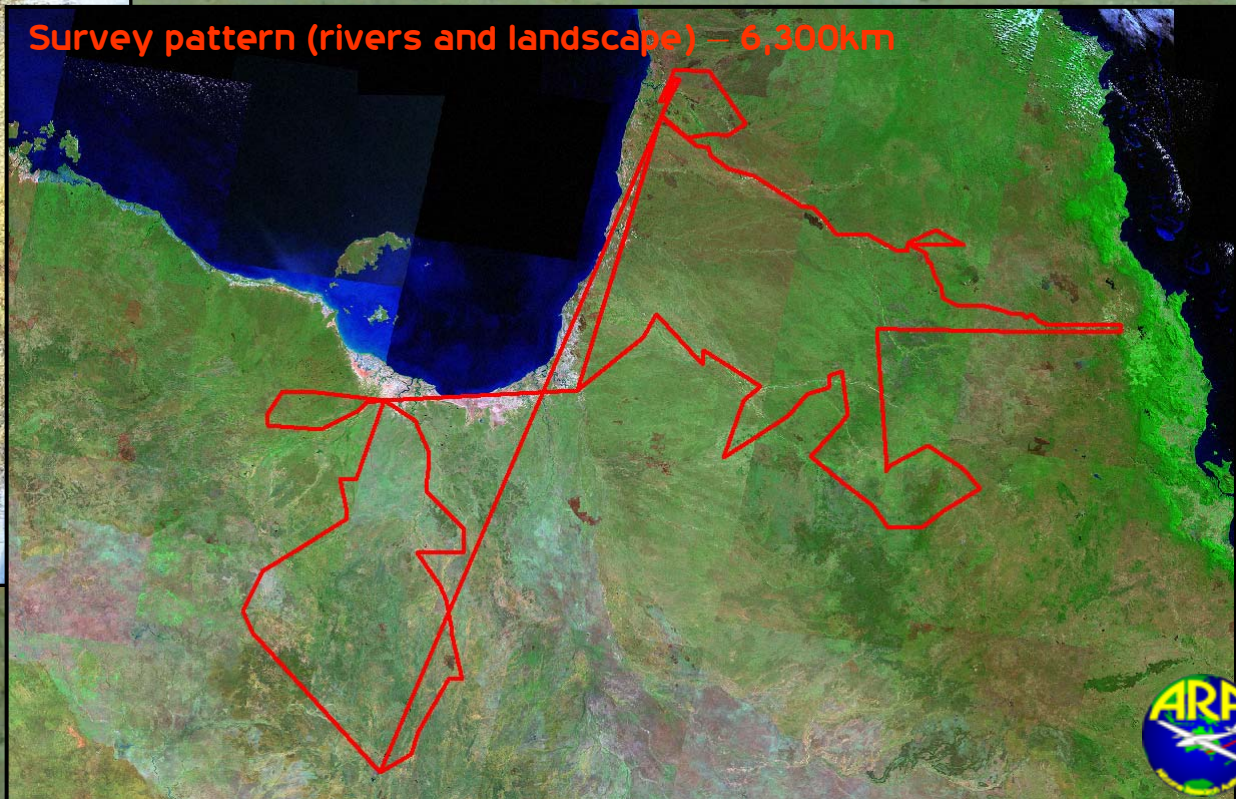
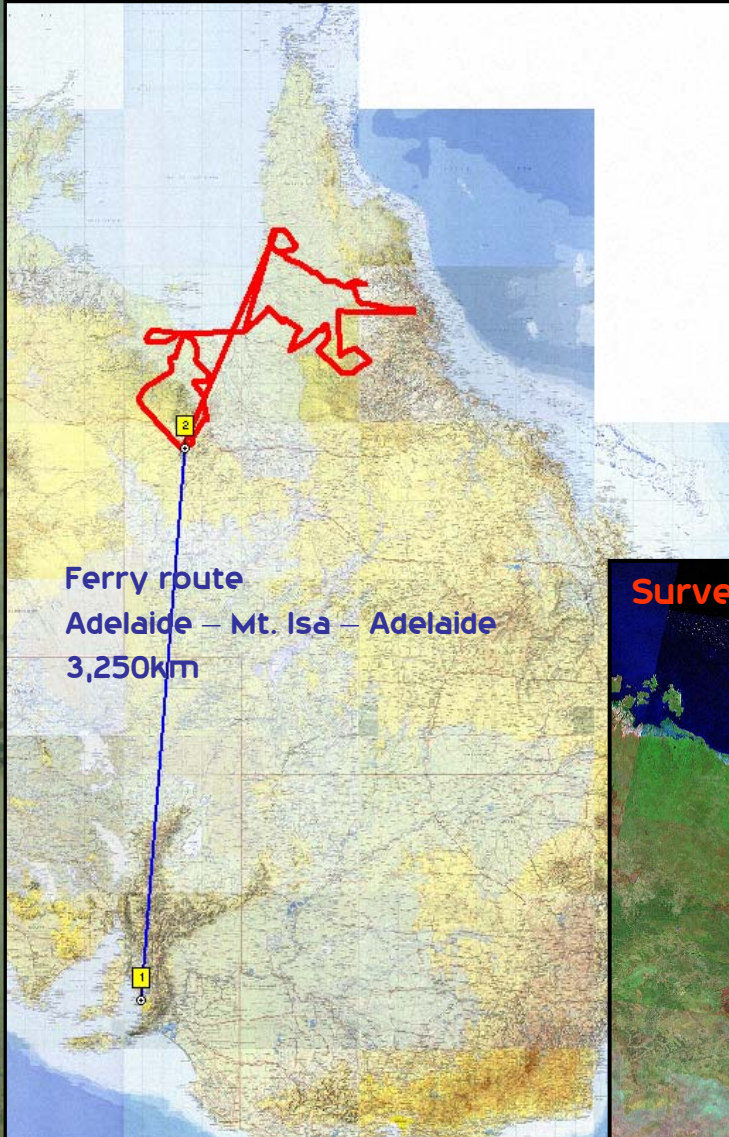
in collaboration with:

Griffith University, Brisbane
James-Cook University, Townsville
Charles-Darwin University, Darwin



funded by:

Land & Water Australia
Queensland Government
Northern Gulf Natural Resource Management Group
Southern Gulf Catchments



NORTHERN GULF
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and
most cost-efficient airborne technology***



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