

## US/Canadian PIs interests in Australian sites

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### Introduction

The Solvang SVT meeting was held during November 15-17, 2000. Unfortunately, the launch did not happen as planned. But there was some compensation. For example, despite not all PIs being present, there was a lot of interest in the Australian plans for EO-1 and Hyperion especially. This was increased by the fact that NASA is developing an accelerated acquisition program with specific intention to obtain a large number of images of Southern Hemisphere (SH) sites. Among these will be some "Golden Sites" where data are collected and attention given so that even if the mission ends early there will be a collection for everyone to analyse.

Most attention is being given to sites in Australia and Argentina. The fact we are so far advanced with our plans has a mixed result. We are seen as being somewhat sufficient to obtain such data and so there is an AVIRIS mission and considerable support given to the Argentinean part of the exercise. The perception of our being self sufficient is obviously recognition of our maturity but does mean less support is being offered to us. Still, if US researchers visit and bring resources we will benefit.

There are a number of dedicated and interested scientists who wish to work on Australian sites and this has been helped by Steve Ungar having a fund to support travel and interaction. In our case it would only directly be available if people from Australia wished to go to Argentina and then maybe not as easily as it would be for US folks. But it can certainly help bring people here to work with us and if there is some interest in Argentina we should test the system as well!

The number of people rushing out in the December to March timeframe will (thankfully) not be huge and I was very careful to say that we are especially looking for interactions over the full term of the mission. That is, the long term and not just the initial burst. Certainly, our agreement with TRW on the first 60 days checkout is taking our attention in the short term.

I suggest a discussion of these opportunities be on the agenda at the first post-launch meeting of the new ASVT.

### Interested Folks

I had a number direct contacts and meetings about working in Australia. These were from:

**TRW.** Our TRW team all expressed great interest to maintain contacts and interaction at a range of sites. This is particularly **Jay Pearlman, Carol Segal and Pamela Clancy**. Pamela is a key contact with the Australian activities in the first 60 day checkout time.

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**Phil Townsend** of the University of Maryland is a NASA site PI who is very keen to develop interactions at Tumbarumba.

**Shunlin Liang**, also at University of Maryland wishes to follow up on the agricultural site being developed at Colleanbally.

**Mary Martin** of University of New Hampshire had a long discussion of the opportunities presented by the Tumbarumba site.

**Allan Hollinger** of CSA (Canadian Space Agency) and Dave Goodenough were interested in Australian sites. The CSA is especially keen to take part in the accelerated program (maybe it will be May before Canada gets much data). An extensive cooperation is envisaged. He was going to continue discussions with Jon Huntington in Ottawa.

**Greg Asner** was interested in Kunoth and Kakadu but will prefer to leave interactions to our winter due to the wet season and their mission to Argentina.

**Melba Crawford** of University of Texas at Austin is already working with Vanessa and Geoff in Alice Springs.

**Fred Kruse** was not at Solvang but is in contact with Tom Cudahy and Jon Huntington about Mt Fitton and Panorama.

**John Mustard** of Brown University has some interest in optical water quality and is interested to discuss this – Moreton Bay is an option but I suspect reefs are more attractive.

**Jim Crowley** of USGS was very keen and may soon make contact with Australians in a geological area.

Contact details for these people are listed with the other people attending a special session as discussed below.

### **The SH Opportunities Meeting**

In addition to these direct approaches, we had a specific meeting where in one room we had Australia offering sites and in the other room Argentina offering sites. The free beer I ordered helped keep our numbers up but no more firm enquiries came out of this meeting than I have listed above

I offer below the list of people that attended. Their attending indicates an interest in the longer term so I suggest you make contact with these people if they have similar interests to you. They are all willin’.

I also handed out an Oz\_PI summary that is attached at the end of this document. I have sent it out to you already but you may not have it handy. The instructions are for site PIs (usually CO-Is) to get in contact directly but CC to Steve Ungar and me. I think there is great interest to work in Australia, that this will increase if you make

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people feel welcome (there is an impression we are self-sufficient) and will happen if you make contact. Go for it – but please use the CC.

### Scientists attending “Australian SH Opportunities” Session

<b>NAME</b>	<b>AFFILIATION</b>	<b>PHONE</b>	<b>EMAIL</b>
Jay Pearlman	TRW	310 812 0337	<a href="mailto:jay.pearlman@trw.com">jay.pearlman@trw.com</a>
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Tom Cudahy	CSIRO, Australia	618 9333 6244	<a href="mailto:t.cudahy@per.dem.csiro.au">t.cudahy@per.dem.csiro.au</a>
Jim Crowley	USGS	703 648 6356	<a href="mailto:jcrowley@usgs.gov">jcrowley@usgs.gov</a>
Bob Schowengerdt	U. Arizona	520 621 2706	<a href="mailto:schowengerdt@ece.arizona.edu">schowengerdt@ece.arizona.edu</a>
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Alfredo Huete	U of Arizona	520 621 3228	<a href="mailto:ahuete@ag.arizona.edu">ahuete@ag.arizona.edu</a>

Appendix: Listing of information on Cards collected on day of meeting

NAME	AFFILIATION	PHONE	EMAIL
<b>Melba M. Crawford</b> Engineering Foundation Professor	Univ. of Texas at Austin, Dept of Mechanical Engineering. Operations Research Group  Centre for Space Research	512 471 3070  512 471 7993	<a href="mailto:crawford@csr.utexas.edu">crawford@csr.utexas.edu</a>
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<b>Granville E. Paules III</b> Program Executive for Technology and Commercial Initiatives, Program Planning and Development Division	NASA	202 358 0706	<a href="mailto:gpauls@hq.nasa.gov">gpauls@hq.nasa.gov</a>
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### Contacting Australians concerning Sites – post-Solvang

- Check dates and discuss at Solvang
- Email Co-I and contact with CC to DLBJ, and two CCs in Table
- If no response email DLBJ again

#### Summer/Fall sites (Dec-April)

Site	Instrument/ Science	Primary date	Secondary date(s)	Description	Co-I/Contact
<a href="#">Mt Fitton</a> North SA	Instrument	11 Dec	27 Dec, 12 Jan	Geology Site, Mineralogy, Spectral contrasts. HyMap, OARS, MASTER, and years of data	Tom Cudahy, CEM Jon Huntington, CEM
	Science	28 Jan (KRUSE) 1 Mar (Jupp)	17 Mar (KRUSE) 2 Apr (Jupp)		
<a href="#">Uardry (Hay)</a> Mid NSW	Instrument	8 Dec	24 Dec, 9 Jan	Long term MODIS Core monitoring site. Data from the shoot-out. L7 and HyMap from same time and HyMap from 22/3/00	Fred Prata, CAR [Ray Merton, EOC]
	Science	25 Jan	3 Mar, 17 May		

**Summer/Fall sites (Dec-April) [Continued]**

<b>Site</b>	<b>Instrument/ Science</b>	<b>Primary date</b>	<b>Secondary date(s)</b>	<b>Description</b>	<b>Contact/Co-I</b>
<a href="#">Colleambally</a>  Mid NSW (nr Hay)	Science	17 Dec	3 Feb, 23 Mar	Irrigated rice and soybean, wheat etc. Good level of ground data and support.	Tim McVicar, CL&W Tom Van Neil, CL&W
<a href="#">Lake Frome</a>  Mid SA (nr Mt Fitton)  <a href="#">View</a>	Instrument    Science	20 Dec   10 Mar,	None, although I thought Jay had told Dean that there were   2 Apr, 14 June	Calibration & Validation. HyMap flights and December mission.	Dean Graetz, EOC [David Jupp EOC]
Tumbarumba  South NSW (nr Canberra)	Science	27 Jan	12 Feb, 28 Feb	Flux Tower site Leaf biochemistry Tall eucalyptus forest. Hymap possible, AirSAR, Canopy measurements	Alex Held, CL&W Nicholas Coops, FFP

**Winter/Spring sites (Jun-Oct)**

<b>Site</b>	<b>Instrument/ Science</b>	<b>Primary date</b>	<b>Secondary date(s)</b>	<b>Description</b>	<b>Contact/Co-I</b>
<a href="#">Cape Trib Daintree Reefs</a>  Nth Qld (nr Cairns)	Science only	29 Dec	3 Mar, 6 May	Rainforest, mangroves & reefs. <i>casi</i> , AirSAR and site with tower & gondola.	Alex Held, CLW [Ray Merton, EOC]
<a href="#">Lake Argyle</a>  North WA	Instrument  Science	10 Dec  27 Jan	26 Dec, 11 Jan  28 Feb, 1 Apr	CalVal dark target CIMEL + HyMap and OARS	Dean Graetz, EOC [David Jupp, EOC]
<a href="#">Panorama</a>  NW WA	Instrument  Science	13 Dec  15 Feb (KRUSE) 19 Mar (Jupp)	29 Dec, 14 Jan  3 Mar (KRUSE) 4 April (Jupp)	Minerals, HyMap, OARS years of ground data recent AMS Iron Ore etc	Tom Cudahy, CEM Jon Huntington, CEM

**Winter/Spring sites (Jun-Oct) [Continued]**

Site	Instrument/ Science	Primary date	Secondary date(s)	Description	Contact/Co-I
<a href="#">Kunoth/ Amburla</a>  South NT (nr Alice Springs)	Instrument  Science	7 Dec  24 Jan	23 Dec, 8 Jan  25 Feb, 29 Mar	Semi-Arid, Long term monitoring site. Spectral signatures collected. Years of other data	Vanessa Chewings, CWE Geoff Pickup, CL&W
<a href="#">Kakadu/ Ranger</a>  North NT (nr Darwin)	Science	21 Dec	22 Jan, 23 Feb	Minesite rehabilitation, <a href="#">Aerosols</a> . Ranger has some HyMap from October, ground data.	Cindy Ong, CEM [Ray Merton, EOC]
<a href="#">Moreton Bay</a>  South Qld (nr Brisbane)	Science	12 Jan	13 Feb, 1 Mar	Coastal zone Eutrophication <a href="#">Algal Blooms</a> Casi and Hymap data. Water quality monitoring	Arnold Dekker, CL&W [David Jupp, EOC]

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Email Addresses:

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