



Australia's National
Science Agency

CAPE-k Summer School 2025

Monday 3rd February – Thursday 6th February 2025

Attendee Information



Australian Government
Bureau of Meteorology



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

CAPE-k Summer School 2025

Attendee Information

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Acknowledgement

We acknowledge and pay our respects to those of the Northwest Nations, the pennemuker of kennaook (Cape Grim) and the peerapper of West Point (near Marrawah, south of Cape Grim).

To the Elders and Country whose land we meet on today, we acknowledge your continuing connection to the land, waters, seas and sky thank you for your continuing custodianship of kennaook.

This is a culture which has nurtured and shaped the place we all call home, for more than 60,000 years. We recognise our First Nations People as being the oldest continuing living culture and for being these lands first teachers, first farmers and importantly, Australia's first scientists.

Scientists, who since time immemorial, and who just like us, look to the skies.



Of Importance

You can find a digital copy of this document here : [GitHub - ARM-Development/cape-k-student-workshop-2025: Student workshop near the Cape-k Field Site](#)

Visitor HS&E Induction

must be completed by all attendees prior to January 30th: [kennaook / Cape Grim Visitor HS&E Induction](#)

Meals

Any Dietary Requirements for Lunch and Dinner please respond to Sally.Taylor@csiro.au by Friday 21st January.

Your attendance at the kennaoook / Cape Grim site tour (Tuesday 4th February April), **is assumed**.

If you cannot attend, please respond to Sally.Taylor@csiro.au by Friday 21st January to RSVP NO.

Weather Conditions at kennaoook/Cape Grim

The weather at kennaoook can be unpredictable. We suggest dressing comfortably for mild and windy weather (15 to 25 C, mid to low 60 to 75 F). Wind and waterproof jacket recommended (but hopefully not required).

Sturdy walking shoes will be required (~500m of walking over uneven terrain to visit the ARM facility).

Mobility

Any mobility issues please reply to [@Cindy Spinks](#) and we will happily accommodate.

Kennaook/Cape Grim Site Tour

Tuesday 4th February

STANLEY – 8:15am for an 8.30am departure

Exterior Stanley Town Hall

TALL TIMBERS – 8:30am for an 8:45am departure

Veranda of the Brittons Function room

Kennaook/Cape Grim Baseline Air Pollution Station

[Kennaook/Cape Grim Baseline Air Pollution Station – Atmospheric Composition & Chemistry \(csiro.au\)](#)

CAPE-k Background Information

[ARM CAPE-k Backgrounder](#)

[Cloud and Precipitation Experiment at Kennaook \(Cape-K\) Science Plan \(arm.gov\)](#)

Our Sponsors

We thank the following sponsors for their support of this Summer School.



Participating Organisations

We thank the following organisations for their sponsorship of participating students.



Program of Events

You can access the evolving workshop agenda here:

<https://arm-development.github.io/cape-k-student-workshop-2025/schedule>



CAPE-k SUMMER SCHOOL 2025

DAY / DATE	TIME	LOCATION	ACTIVITY	NOTES	
Sunday 2nd Feb			Travel Day	Travel and settle in to accomodations	
	Evening TBC	The Stanley Hotel	OPTIONAL ICEBREAKER	Keep an eye on slack if you would like to join this informal gathering	
Monday 3rd Feb	8:30 AM	Stanley Town Hall	Workshop	Introduction to ARM, microphysics and aerosol science and the instruments deployed for CAPE-k. Hands-on introduction to Jupyter, Python and ARM computing and some hands-on data analysis examples and/or Introduction to LES modeling. COMBLE, LASSO...	
	12:00 PM			LUNCH	Catering provided by Stanley Hotel
	19:00 PM	Hursey Seafoods	DINNER	Restaurant Stanley Tasmania Hursey Seafoods	
				2 Alexander Terrace, Stanley, TAS 7331	
Tuesday 4th Feb	8:15 AM	Stanley Town Hall	GUESTS ASSEMBLE	Check in Group 1 and tour group allocation	
	8:30 AM	Coach	DEPART FOR SMITHTON	Travel to Tall Timbers for pick up 2 (via bus ~20 minutes)	
	8:30 AM	Tall Timbers - Reception	GUESTS ASSEMBLE	Check in Group 2 and tour group allocation	
	8:45 AM	Coach	DEPART FOR KCG	Travel to KCG (via bus ~60 minutes)	
				Safety Briefing during transit	
	9:45 AM	KCG	GUESTS ARRIVE KCG	Attendees find your group leader	
				Inductions, introductions, toilet, morning tea	
				MORNING TEA	
	10:15 AM	KCG	GUEST TOURS of KCG and ARM FACILITY - PART 1 (4 stations)		
			Fieldsite - ARM	Scott (ARM)	45 mins for ARM facility 20 min per measurement station --> includes transition time
			Fieldsite - Radiation	Joanna (Radiation)	
			Station & Tower Radon	Nigel (station/tower) Scott OR Alan (radon)	
			Aerosol Optical and Microphysics, Reactive Gases	Ruhi	

			Green House Gases		Paul
			Rooftop - Aerosol Rooftop - Radiation		Melita (Aerosols), Steve (Radiation)
	12:00 PM	KCG Station Garage	LUNCH		Attendees collect from Station Garage
	13:00 PM	KCG	GUEST TOURS of KCG and ARM FACILITY - PART 2 (2 stations)		
			Remaining 2 rotations		
	14:15 PM	Coach	BALLOON LAUNCH		Guests assemble for coach transport to launch site
	14:30 PM	Coach	DEPART FOR SMITHTON		Travel KCG to Smithton (bus ~45 minutes)
	15:30 PM	CHAC 73 Mella Road, Smithton	CULTURAL CONVERSATION		
			Circular Head Aboriginal Corporation https://www.chac.com.au/		
			Trawmanna Grounds		
	17:00 PM		ARRIVE TALL TIMBERS		Participants depart official component of day
	17:15 PM		ARRIVE STANLEY		
Wednesday 4th Feb	8:30 AM	Stanley Town Hall	Workshop	Hackathon - Introducing the hackathon, group formation and project design	
	12:00 PM			LUNCH	Catering provided by Stanley Hotel
	17:00 PM			Participants depart official component of day	
Thursday 5th Feb	8:30 AM	Stanley Town Hall	Workshop	Hackathon completion and presentations	
	13:00 PM			LUNCH	Catering provided by Stanley Hotel
	17:00 PM			Participants depart official component of day	
	19:00 PM	The Stanley Hotel Bistro	DINNER	https://stanleyhoteltasmania.com.au/stanley-bistro/ 19/21 Church St, Stanley TAS 7331	
SUMMER SCHOOL CLOSE					
Friday 6th Feb			Travel Day	Depart Accommodations	

Key Contacts

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[Argonne Testbed for Multiscale Observational Science](#) |
[ARM User Facility](#) | [NAISE](#) | [AMS AIES](#)

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Phone: +1 630 235 8025 ← Will work in Australia ☺

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Sarah Prior

Officer in Charge, Kennaook / Cape Grim Baseline Air Pollution Station

Data and Digital | Observing Systems and Operations

Bureau of Meteorology

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Phone: Tel: +61 3 6221 2153



Key Locations

[CAPE-k Summer School Map of Key Locations](#)

Stanley Town Hall

Address: 10 Church St, Stanley TAS 7331

[Stanley Town Hall](#)

[MAP - Stanley Town Hall](#)

Stanley Town Hall will host all workshop days (Monday 3rd, Wednesday 5th and Thursday 6th February) for the Summer School.

The exterior will act as a meeting and departure point for attendees participating in the Kennook / Cape Grim Station tour (8.15am sharp Tuesday 4th February).

Local coffee options

- Marleys @ Sticks and Stones Shells and Bones (open Monday – Friday from 7:00am)

- Touchwood Café (open Wednesday – Sunday from 8.30am)

Tall Timbers Hotel

Address: 5/15 Scotchtown Rd, Smithton TAS 7330

Phone: 1800 628 476 (within Australia) or +61 3 6452 9000

[Home - Tall Timbers Hotel](#)

Tall Timbers will act as a meeting and departure point for attendees participating in the Kennook / Cape Grim Station tour (8.30am sharp Tuesday 4th February).

Breakfast is available onsite from 7am.

Bureau of Meteorology - Smithton office

Address: 159 Nelson St, Smithton TAS 7330

Phone: +61 3 6452 1629

[Kennook/Cape Grim Baseline Air Pollution Station \(bom.gov.au\)](http://bom.gov.au)

Any additional access to the Kennook / Cape Grim Station must be coordinated through staff at their office in Smithton.

Burnie Airport

Address: 3 Airport St, Wynyard TAS 7325

Phone: +61 3 6442 1133

[Burnie Airport](#)

Burnie Airport is the closest located airport to our event base, Smithton. With travel time of ~1 hour between the two, attendees will have to transit through Melbourne's Tullamarine Airport on either REX (Regional Express) or QANTAS airlines to access this regional airport.

Taxis can be unreliable in the area with the recommendation to book car hire ahead of time. More information about getting to and from the airport can be found here: [Getting to and from the airport — Burnie Airport](#)

Safety Briefing

When visiting a working measurement site in a remote location, it is paramount we address the specific risks associated.

All attendees must complete the digital safety induction prior to the site visit on Tuesday 4th February.

Please ensure this has been completed prior to Friday 31st January.

[kennaook / Cape Grim Visitor HS&E Induction](#)

The Kennaook / Cape Grim Climate

One of the true blessings of the KCG area is the weather – particularly as the seasons change.

During the Summer School period we are making accommodations at the Station to ensure we have a program suitable for all conditions, but it will also require our attendees to prepare ahead of time.

During February, we anticipate the average daily [temperature](#) reaching ~21°C (~69°F) in the local township of Smithton.

Once you are on the ground at the station, any [breezes](#) or [precipitation](#) can start to take hold and impact your level of comfort – particularly when venturing outdoors.

We encourage all attendees to dress comfortably for the conditions. This includes enclosed shoes (capable of traversing outdoor and possibly muddy terrain), and a wind/waterproof jacket.



What's Plan B if the weather is against us?

In the event of inclement weather, plans have been made to complete the ARM facility tours from the roadside in the comfort of the coach. Internal laboratory tours will take place as planned and rooftop tours will utilise meeting spaces within the Station to proceed with discussion of these measurement areas.

Mobility

If travel around the station and the surroundings on foot will be an issue, please notify cindy.spinks@bom.gov.au as soon as possible so alternative arrangements can be made.

Meals

Some meals will be provided for attendees of the Summer School program.

Where dietary requirements need to be accommodated, please forward details to Sally.Taylor@csiro.au by Friday 24th January.

INFORMAL ICEBREAKER:

Participants are welcome to gather at the Stanley Hotel for an optional and informal catchup on the evening of SUNDAY 2nd February.

BREAKFAST:

Self-Catered.

LUNCH:

WORKSHOP DAYS

Tea, instant coffee and light snacks will be provided.

Lunch is being catered for by the Stanley Hotel and will be provided from ~12:00pm each day of the workshop.

STATION TOUR

A light snack (fruit, muesli bars) and water will be available for consumption upon arrival at the kennook / Cape Grim Station.

Boxed lunches (sandwich, sweet muffin, and fruit) and water will be provided for attendees.

Collection will occur at the Station Garage during a break from the scheduled tours. If time is restricted, the lunch period may be shortened.

DINNER:

Some evening meals will be provided

MONDAY 3rd February

HURSEY SEAFOODS

2 Alexander Terrace, Stanley TAS 7331

TIME: 7pm

THURSDAY 6th February

THE STANLEY HOTEL

9/21 Church St, Stanley TAS 7331

TIME: 7pm

DRESS CODE: Smart Casual

What to Bring

Tasmania presents a unique climate, and we suggest you pack appropriate clothing to adapt to a changing Southern Australian climate.

- Appropriate attire for the period of your stay including but not limited to;
 - cold weather gear (including a wind and waterproof jacket),
 - enclosed shoes (capable of traversing uneven terrain at the station)
 - swimming gear (there is a beach in Stanley – you never know)
- For the workshop;
 - laptops,
 - charging cables
 - power board / extension cable
 - notetaking equipment
 - networking details (business cards, Linked In)
 - Power conversion adaptors for international travellers
- For your stay;
 - a copy of your travel documents
 - check if bedding / towels are required for your accommodation
 - appropriate medications
 - water bottle

Course Connections

We will be using the communications app Slack to coordinate before, during and after the workshop.

All students should have been added to the workspace.

If you have not been added please email scollis@anl.gov.

We highly recommend using the app on your phone and the desktop app for Mac, Windows and Linux.

Slack QuickStart guide <https://slack.com/help/articles/360059928654-How-to-use-Slack--your-quick-start-guide>

Outreach

The major sponsors of the Summer School will be collecting photos and videos throughout the week. This imagery is being collection with the intention that it will be used for future internal and external communication formats.

By agreeing to be in captured in this imagery you voluntarily consent and hereby grant unrestricted permission to the following organisations:

- ➔ Argonne National Laboratory,
- ➔ Pacific Northwest National Laboratory,
- ➔ the United States Department of Energy,
- ➔ the Commonwealth Scientific Industrial Research Organisation (CSIRO),
- ➔ the Australian Bureau of Meteorology,
- ➔ University of Wollongong
- ➔ University of Melbourne
- ➔ Queensland University of Technology (QUT)

to use in outreach materials your image, likeness, and voice worldwide in all media now known or hereinafter devised, without compensation, credit or other consideration.

Outreach materials can include but are not limited to posts to social media channels (e.g. Linked In, Instagram, Facebook, X), web articles, newsletter updates, and advertising materials.

You can complete the release here: [CAPE-k Media Release Form](#)

Please inform scollis@anl.gov and clarem@uow.edu.au should you wish to remove your permissions or have any special requests.

Let's Get Social

We would love to see you share your experience of the CAPE-k Summer School and look forward to seeing this across your social media channels.

- [LinkedIn](#)
- [Facebook](#)
- [Instagram](#)
- [X](#)

Don't forget to tag away!

#CAPEKSummerSchool2025
#summerschool2025
#futureofscience
#workforceofthefuture
#ARMCAPEK
#ARMdata
#kennaookcapegrim
#WeLoveScience
#CSIRO
#WithSTEMYouCan