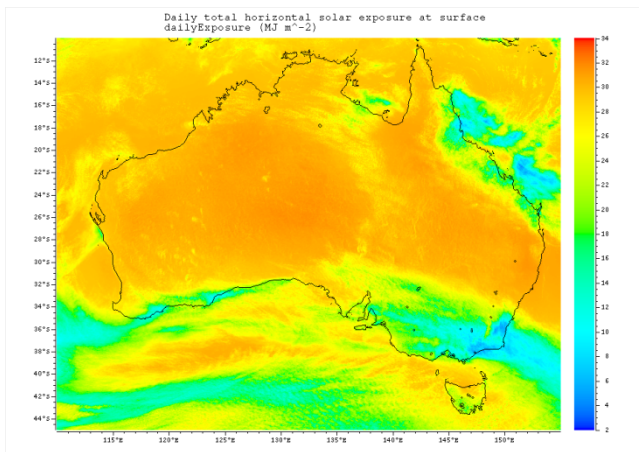
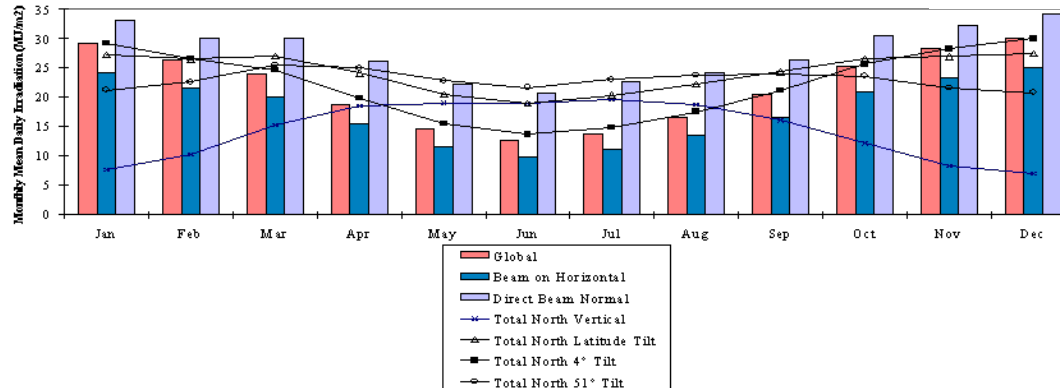
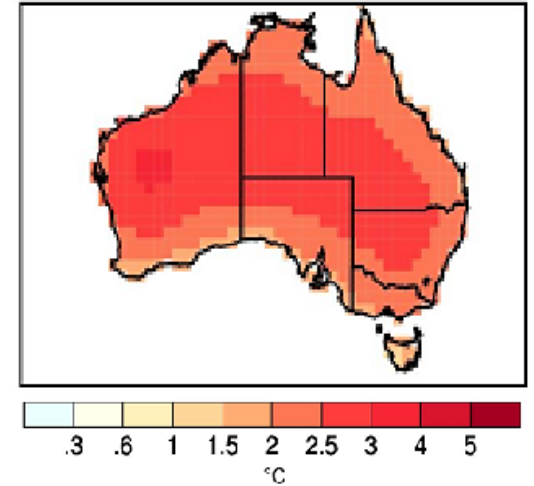


# Solar and Coincident Weather Data for Large Scale Solar Deployment



Trevor Lee



# Climate Data for Renewable Energy and Energy Conservation Applications

## The Australian Solar and Climate Resource

- Australian Solar Radiation Data Handbook background and applications

## Beyond TMY: Climate Data for Specific Applications

- Australian Climate Data Bank and using Reference Meteorological Years

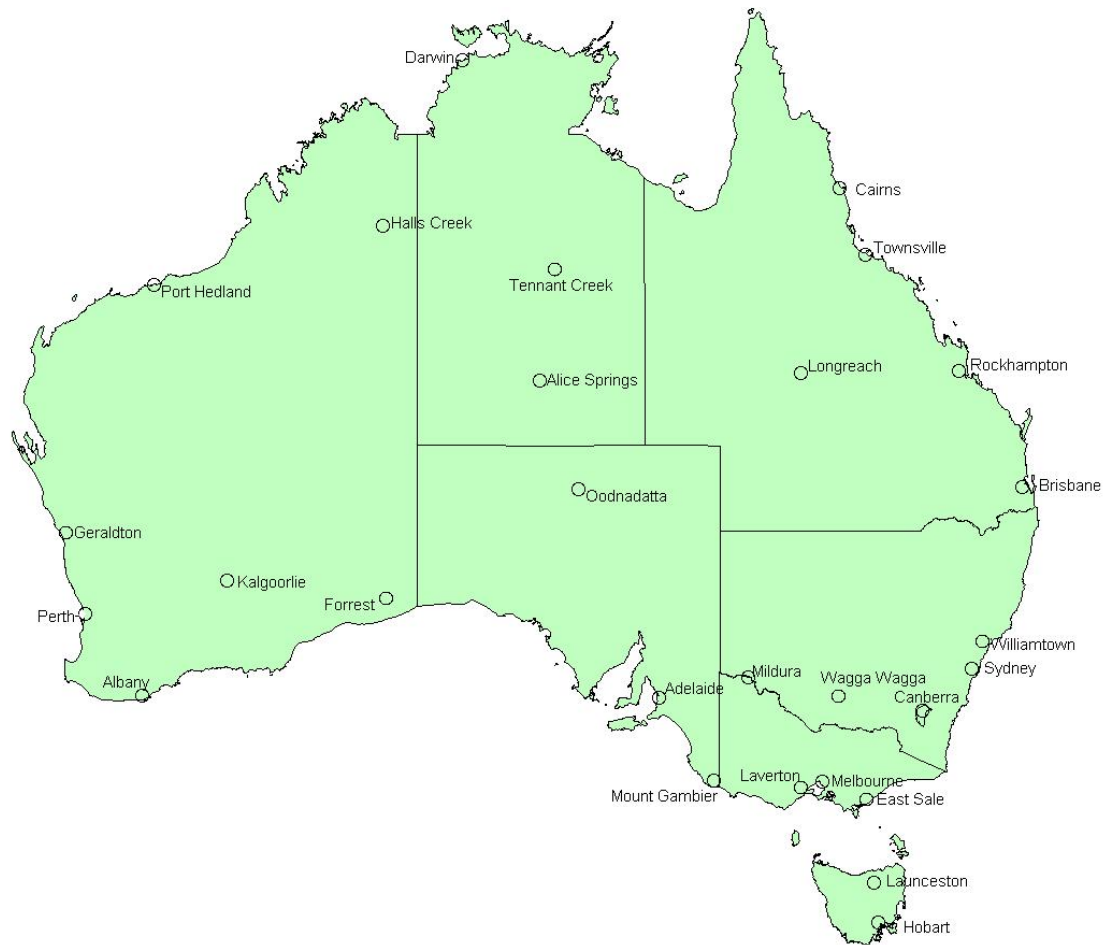
## Creation of Ersatz Future Weather Data Files

- Measuring energy performance of buildings under predicted future weather conditions

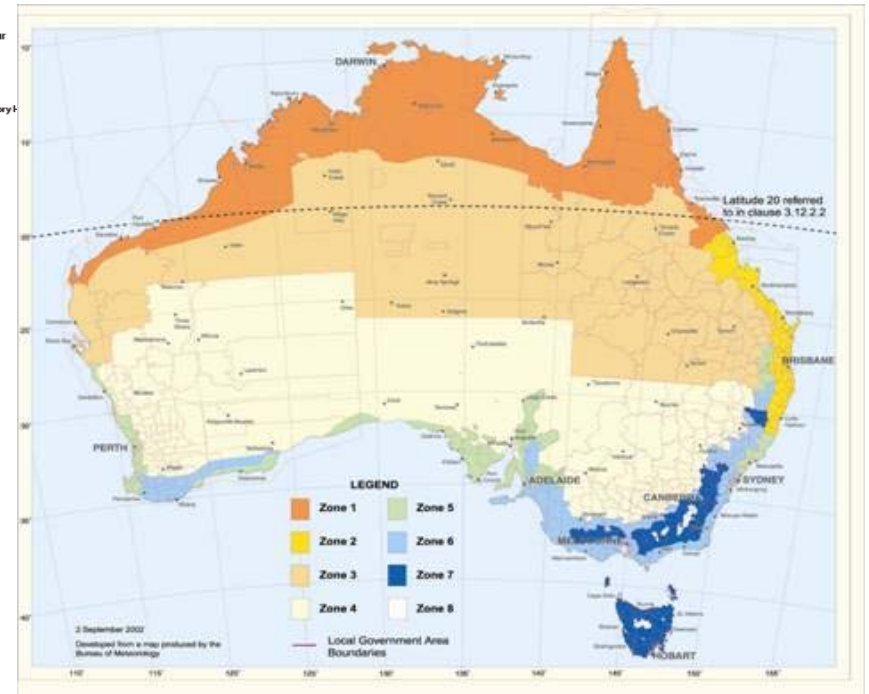
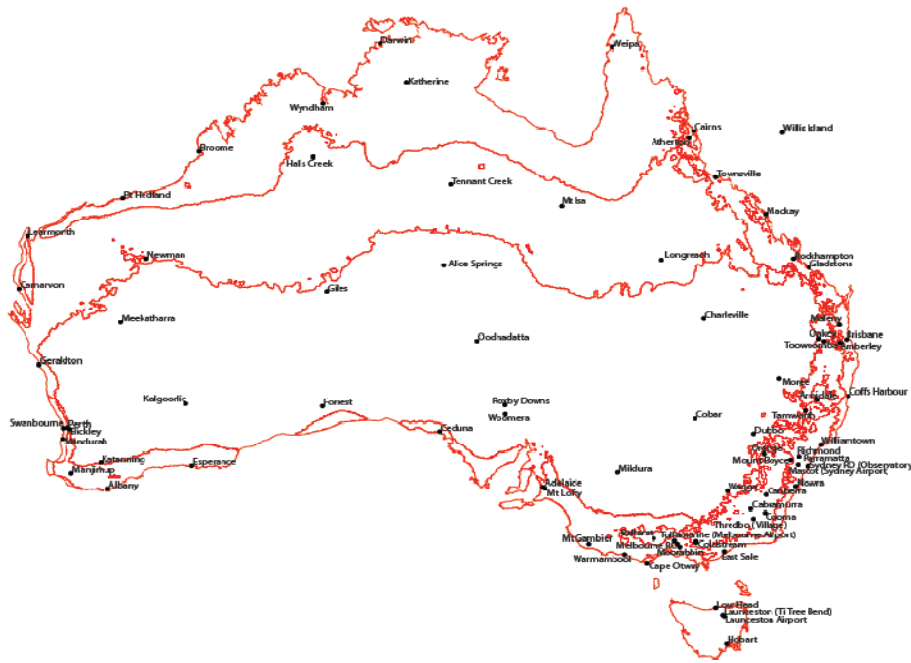
# Associated Papers

- **CREATION OF ERSATZ FUTURE WEATHER DATA FILES (Solar 08)**
  - Trevor Lee and David Ferrari
  - Energy Partners, PO Box 4170, Manuka ACT 2603, Australia
- **AUSTRALASIAN SOLAR RADIATION DATA PROPOSAL FOR ENHANCED KNOWLEDGE DISSEMINATION (Solar 08)**
  - Trevor Lee
  - Energy Partners, PO Box 4170, Manuka ACT 2603, Australia
- **THE AUSTRALIAN CLIMATIC DATA BANK (Solar 06)**
  - Trevor Lee and Mark Snow
  - Energy Partners, PO Box 4170, Manuka ACT 2603, Australia
- **DEVELOPMENT OF CLIMATE DATA FOR BUILDING RELATED ENERGY RATING SOFTWARE (Solar 05)**
  - Barbara Ridley and John Boland
  - Centre for Industrial and Applicable Mathematics  
University of South Australia  
Mawson Lakes Boulevard, Mawson Lakes SA 5095, Australia

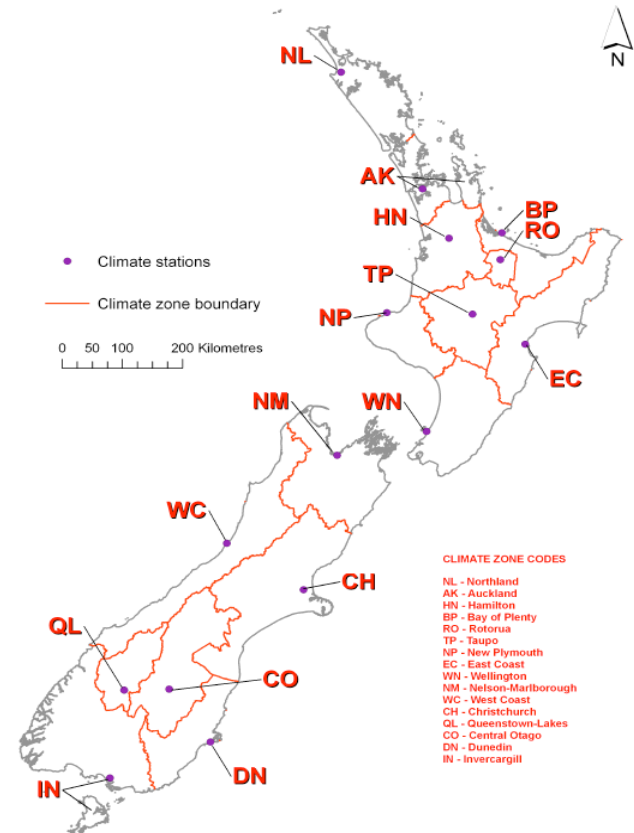
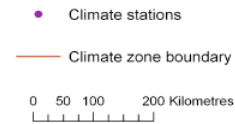
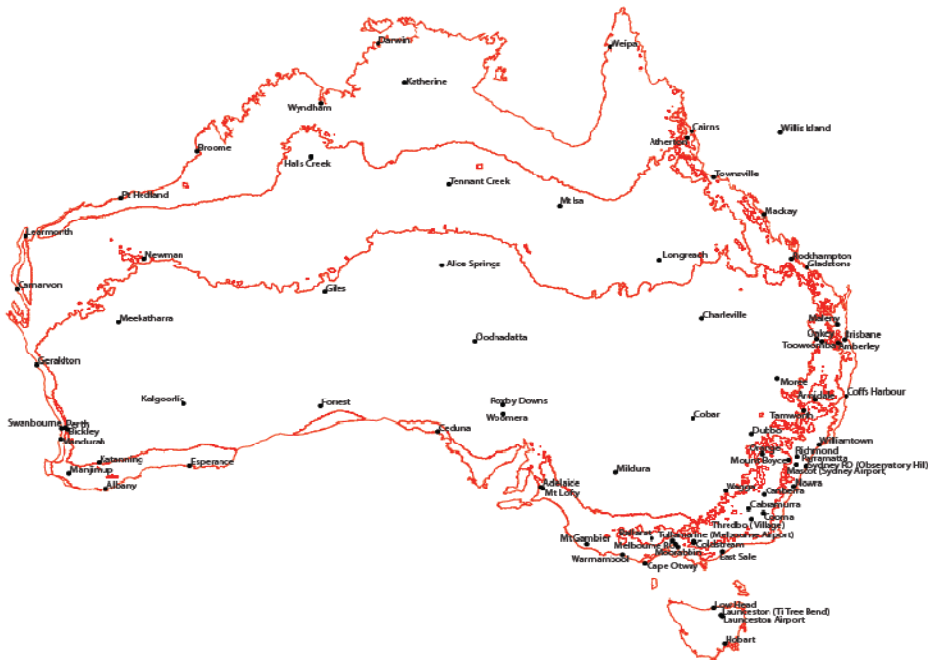
# ASRDH – Geographic Coverage



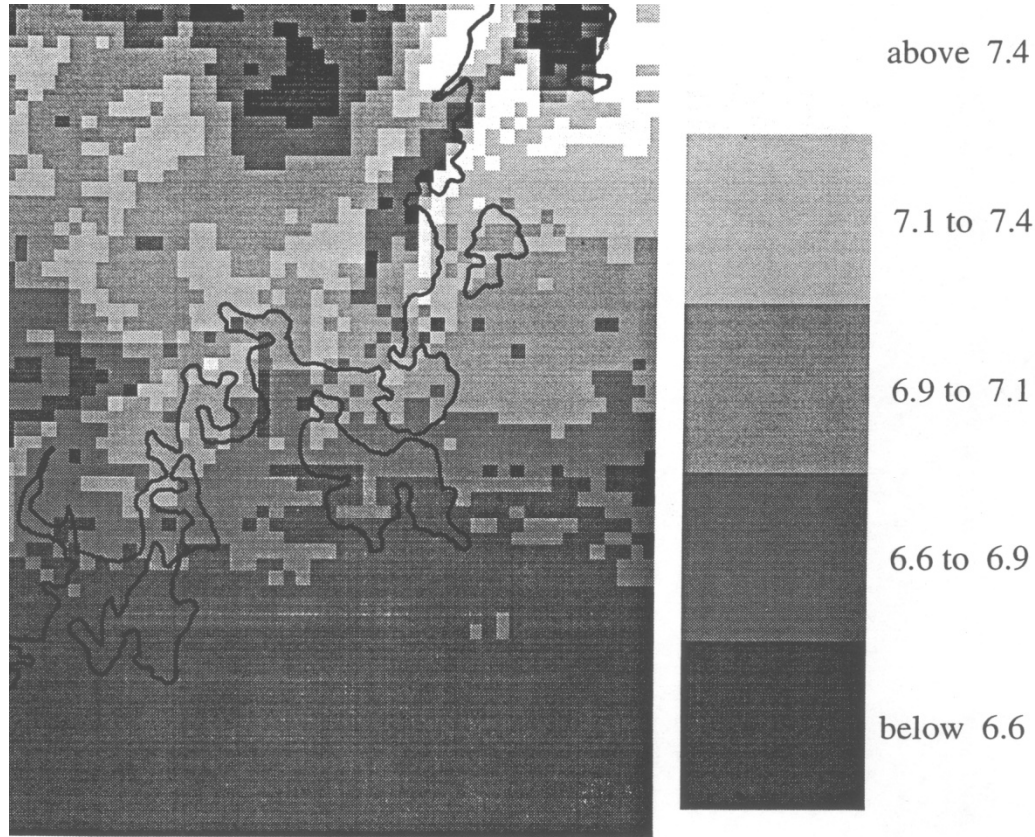
# BCA – Geographic Coverage



# Geographic Coverage – New Zealand



# ASRDH - Sample Graphical Summary

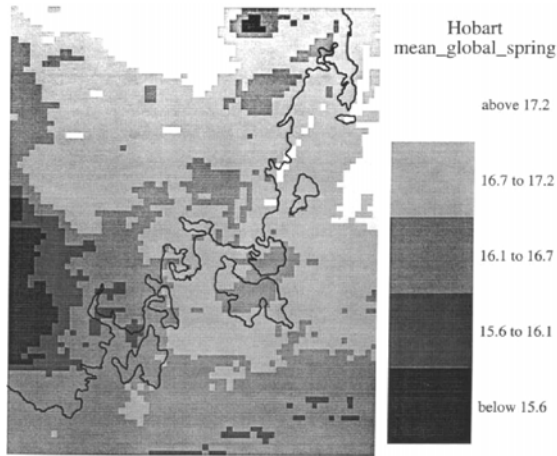


location at centre of map

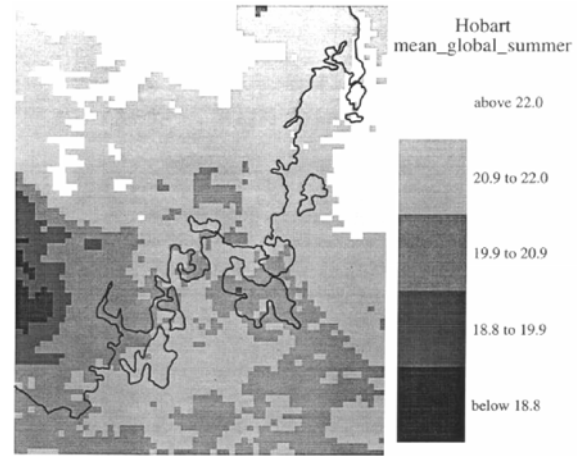
Scale 0

50 km

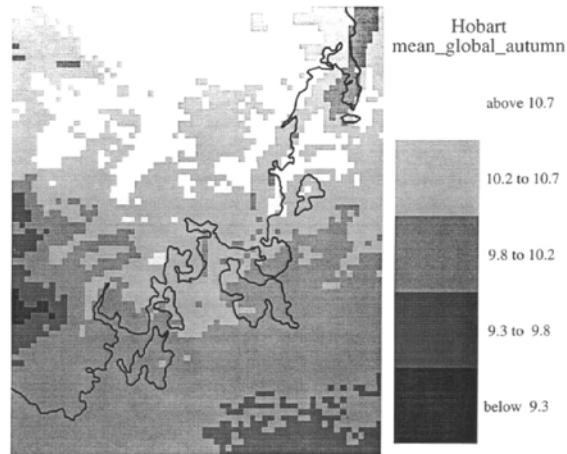
# ASRDH - Sample Graphical Summary



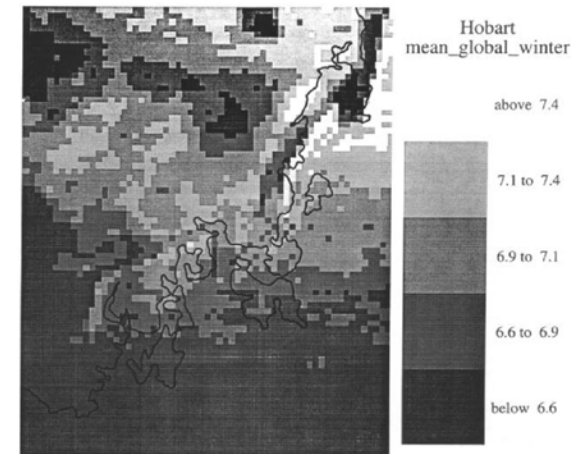
Measuring station location at centre of map Scale 0 50 km



Measuring station location at centre of map Scale 0 50 km



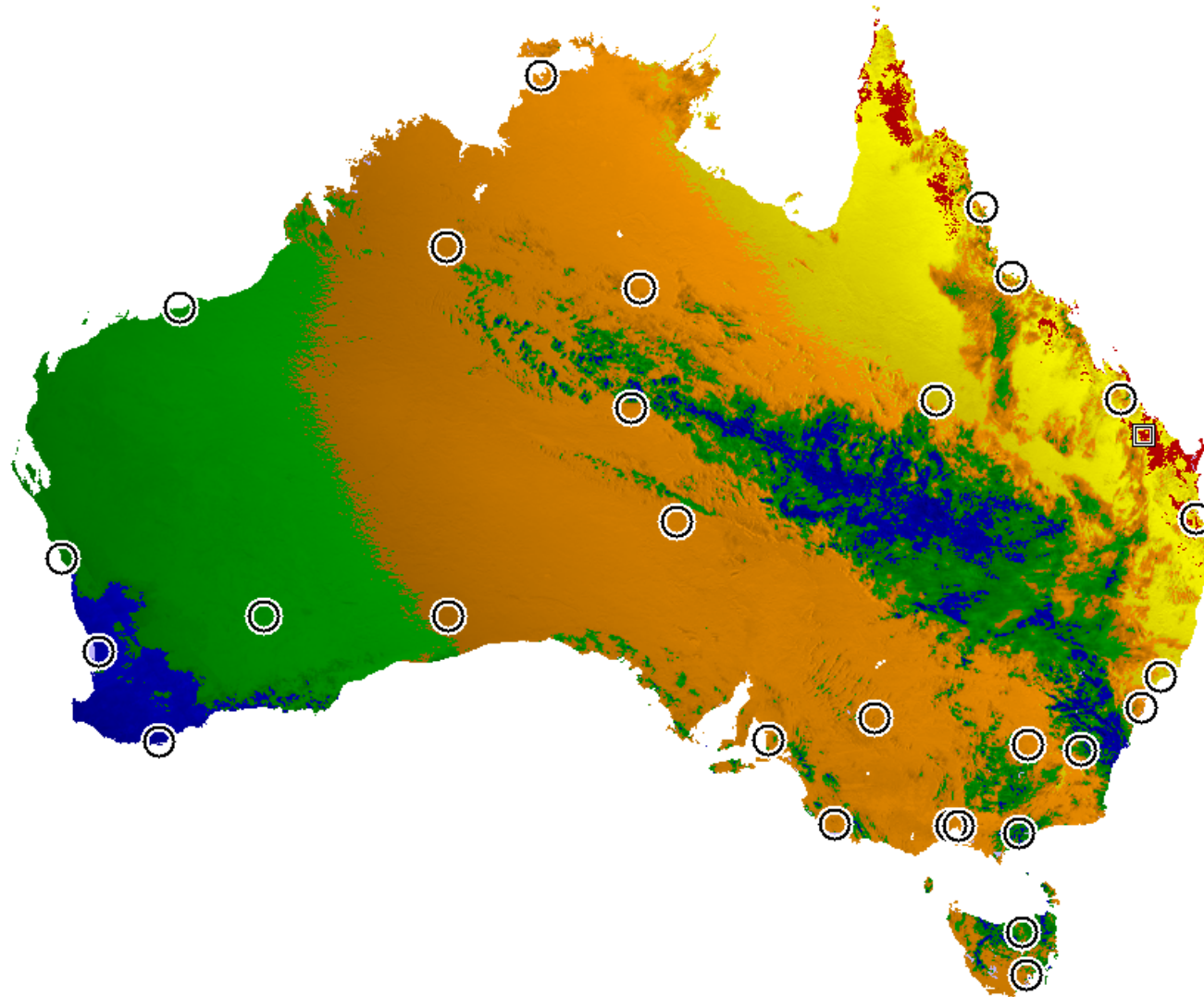
Measuring station location at centre of map Scale 0 50 km



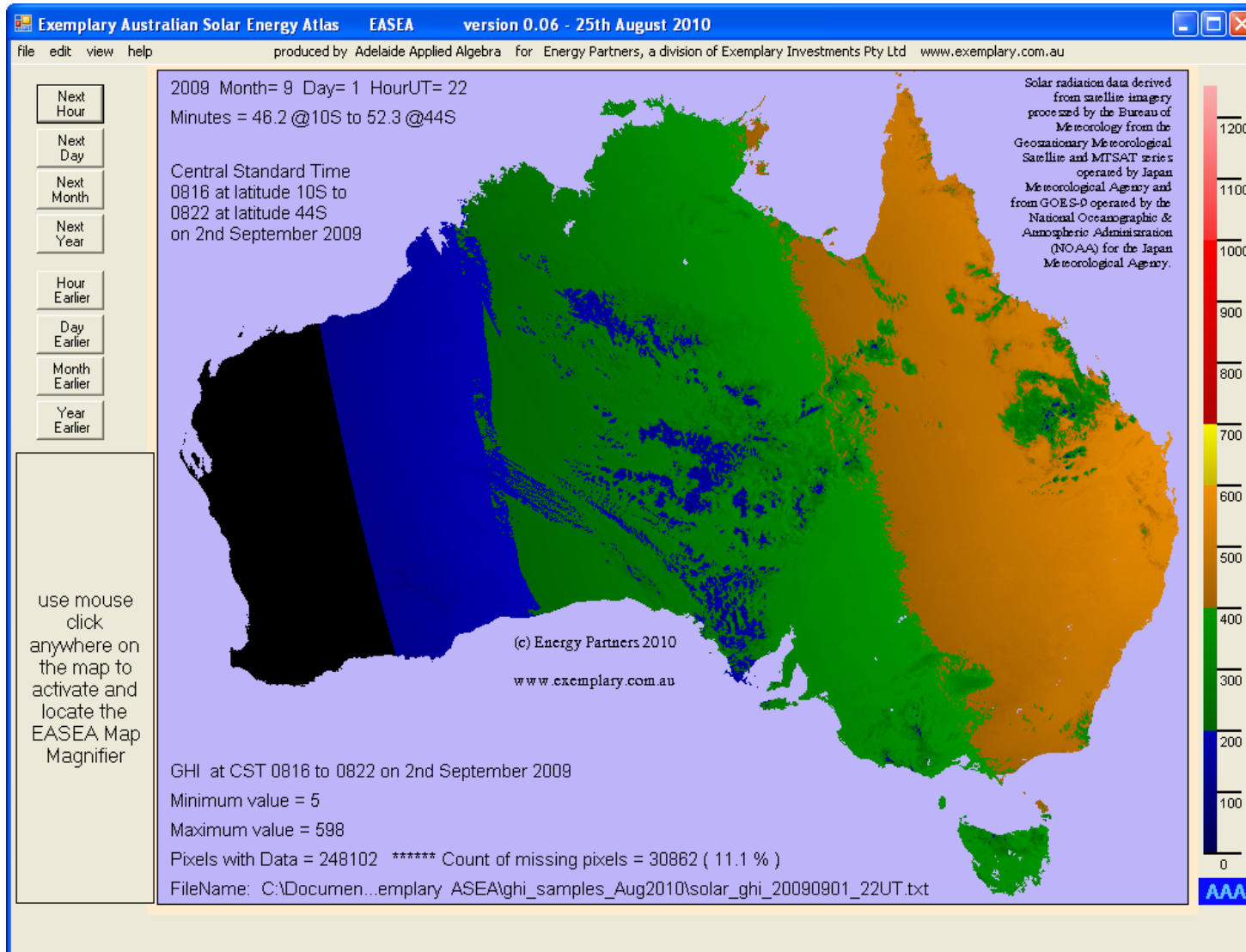
Measuring station location at centre of map Scale 0 50 km



# ASRDH - Sample Graphical Summary



# Exemplary ASEA - Sample Graphical



# Conclusions

- Solar and Coincident Weather Data for almost anywhere
- Can target Large Scale Solar Deployment
- Key sites for publication
- Real time data series
- Exemplary Solar Energy Atlas

# Solar and Coincident Weather Data for Large Scale Solar Deployment

## Questions?



**Trevor Lee**