



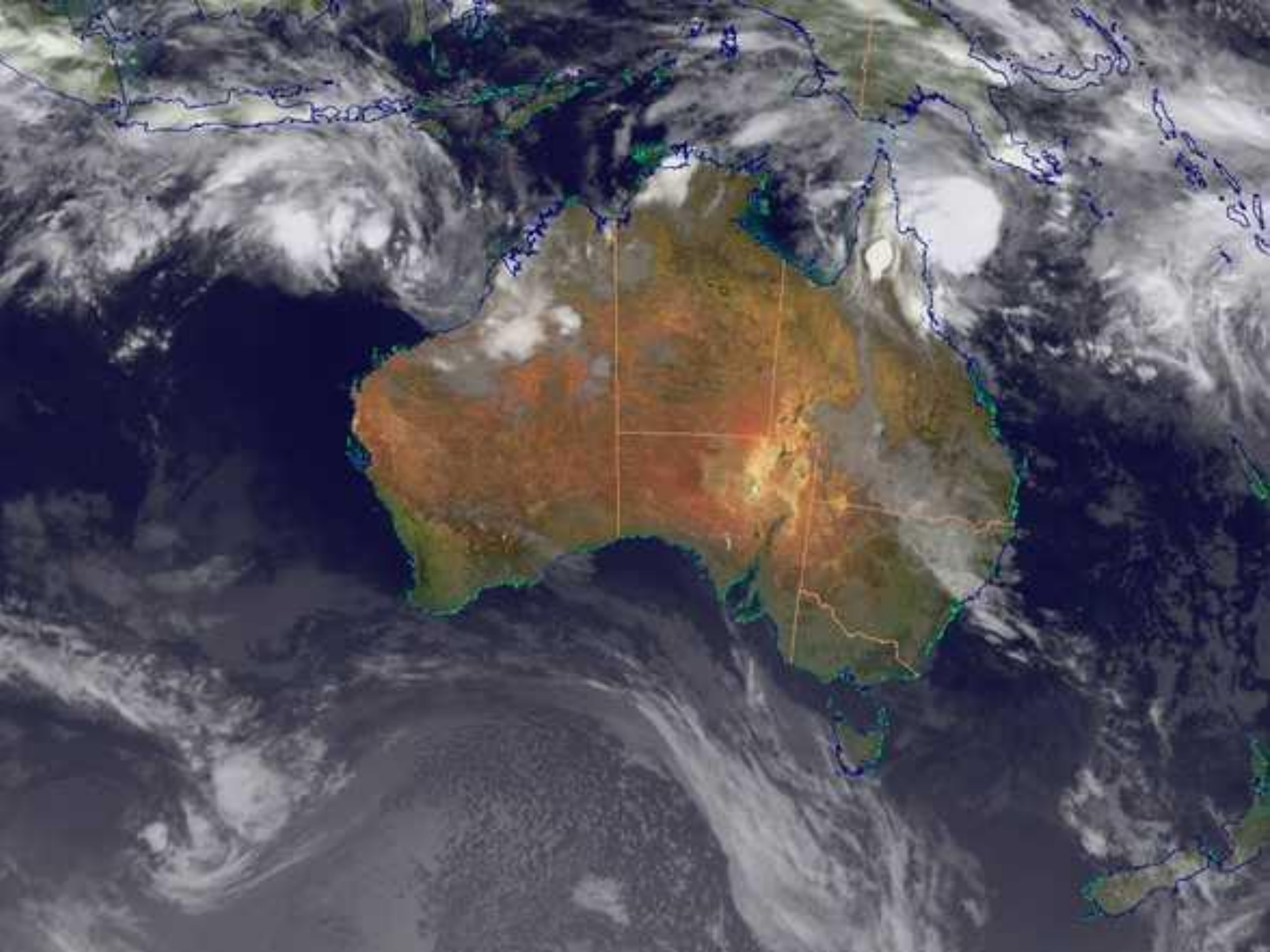
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Direct Reception Plans

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Dr Anthony Rea





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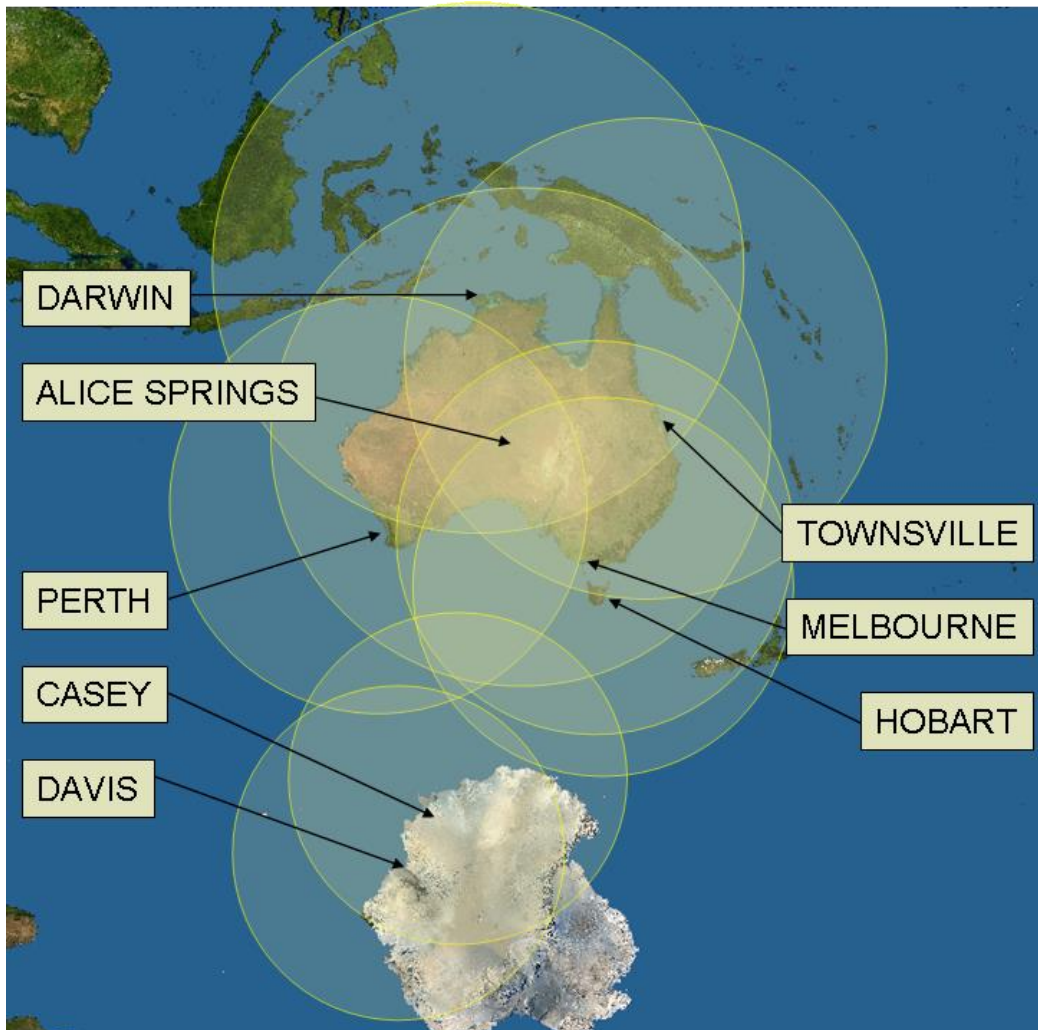
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Key messages

- The Bureau, and those who use our services, rely on satellite observations
 - Forecasting for weather and warnings, oceans, tropical cyclones and aviation
 - Numerical Weather Prediction and Ocean Prediction
 - Climate and environmental applications
- Australia is improving coordination to enable better national and regional collaboration
- We continue to work with our partners to maximise regional benefit from present and future satellite missions



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Direct Reception Sites:
Bureau, GA, AIMS and consortia (WASTAC, TERSS)
Davis is L-Band only

- Hobart decommissioned early 2014
- Casey refurbished early 2015
- Melbourne, Darwin planned for replacement in 2015-16
- Casey, Davis planned for replacement 2016-17



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Network Status

HRPT Station Name	Operator	Status of operational or planned services as of December 2014				
		NOAA/ ATOVS	Metop/ ATOVS	Metop/ IASI	S-NPP/ CrIS	S-NPP/ ATMS
Casey	BOM	OP	RX	RX	RX	RX
Davis	BOM	OP	PL	PL	PL	PL
Melbourne CribPt	BOM	OP	RX	RX	RX	RX
Darwin	BOM	OP	RX	RX	PL	PL
Perth	BOM	OP	PL	PL	PL	PL
Townsville	AIMS	OP	PL	PL	PL	PL
Alice Springs	GA	PL	PL	PL	PL	PL



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Local X-band Reception in NWP

- Local X-band Reception
- Processing to Level-1b in situ and converting to BUFR
 - AAPP -> 200 channel subset –
 - currently just AIRS
 - Crib Point, Darwin, Perth, Townsville
- Central conversion to Level 1d for assimilation into ACCESS
- Planning to bring back BUFR from Casey