

Connectivity tests via Singapore \\\

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Default Oz-Europe route is via Singapore and 4x155 Mbps links (aggregated). This has the lowest RTT which is what most users want. \\

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Testing Methology\\

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iperf in TCP and UDP mode. In TCP mode trying various different window sizes. Most tests were short, 30-120 sec\\

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Hosts\\

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Host	Location
epvsi1-ext	Sydney
pkvsi1-ext	Parkes
cavsi1-ext	Narrabri
mpvsi1-ext	Mopra
Huygens	Netherlands

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UDP Tests\\

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Sydney → Netherlands (9/1/2007)\\

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Nominal Rate	Achieved Average	Packet Loss
10 Mbps	9.9 Mbps	1[=%=]
50 Mbps	50 Mbps	0[=%=]
100 Mbps	100 Mbps	0.02[=%=]
120 Mbps	120 Mbps	0.25[=%=]
130 Mbps	126 Mbps	3.5[=%=]
200 Mbps	136 Mbps	33[=%=]

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Sydney → Netherlands (10/1/2007)\\

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Nominal Rate	Achieved Average	Packet Loss
100 Mbps	100 Mbps	0.03[=%=]
120 Mbps	118 Mbps	1.4[=%=]

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Observatories → Netherlands (10/1/2007)\\

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Site	Nominal Rate	Achieved Average	Packet Loss
Parkes	100 Mbps	100 Mbps	0.000[=%=]
Parkes	120 Mbps	118 Mbps	1.6[=%=]
Narrabri	100 Mbps	100 Mbps	0.37[=%=]
Narrabri	120 Mbps	117 Mbps	2.5[=%=]
Mopra	100 Mbps	100 Mbps	0.39[=%=]
Mopra	120 Mbps	116 Mbps	3.5[=%=]

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Simultaneous Tests (Multiple UDP streams from observatories, 11/1/2007)\\

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Running three iperf sessions simultaneously\ \

Sites	Nominal Rate	Achieved Average	Packet Loss
Parkes+Mopra	100 Mbps	100/100 Mbps	0.17/0.17[=%=]
Parkes+Narrabri	100 Mbps	100/100 Mbps	0.3/0.3[=%=]

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