

Connectivity tests via Singapore \\

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

Testing Methology\\

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

Hosts\\

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

UDP Tests\\

Sydney → Netherlands (9/1/2007)

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[=%=]

Sydney → Netherlands (10/1/2007)

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

Observatories → Netherlands (10/1/2007)

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[=%=]

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

Running three iperf sessions simultaneously (120sec each)

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[=%=]
Sydney,Sydney,Sydney	100 Mbps	49/48/46 Mbps	51/51/54[=%=]
Mopra+Narrabri+Parkes	100 Mbps	47/47/47 Mbps	53/53/53[=%=]

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