25th Edition of TOP500 List of World's Fastest Supercomputers Released: DOE/LLNL BlueGene/L and IBM gain Top Positions

MANNHEIM, Germany; KNOXVILLE, Tenn.; & BERKELEY, Calif. – In what has become a closely watched event in the world of high-performance computing, the 25th edition of the TOP500 list of the world's fastest supercomputers was released today (June 22, 2005) at the 20th International Supercomputing Conference (ISC2005) in Heidelberg Germany.

The new TOP500 list, as well as the previous 24 lists, can be found on the Web at http://www.top500.org/.

The No. 1 position was again claimed by the BlueGene/L System, a joint development of IBM and DOE's National Nuclear Security Administration (NNSA) and installed at DOE's Lawrence Livermore National Laboratory in Livermore, Calif. BlueGene/L also occupied the No. 1 position on the last TOP500 list issued in November 2004. However, the system was doubled in size during the last six months and reached a new record Linpack benchmark performance of 136.8 TFlop/s ("teraflops" or trillions of calculations per second). This system, once completed, will again be doubled in size and is expected to remain the #1 Supercomputer in the world for the next few editions of the TOP500 list.

The pace of innovation and performance improvements seen at the very high end of scientific computing shows no sign of slowing down. This time, half of the TOP10 systems on the November 2004 TOP500 list were displaced by newly installed systems and the last 201 systems on the list from last November are now too small to be listed any longer.

The new #2 listed system is also an IBM Blue Gene system with the same architecture but smaller in size than the #1 BlueGene/L at LLNL. It was recently installed at IBM's Thomas J.Watson Research Center in Yorktown, N.Y. and reached 91.2 TFlop/s.

It is closely followed by the Columbia system built by SGI and installed at the NASA Ames Research Center in Mountain View. Calif. Columbia clocked in at 51.87 TFlop/s. The NEC-built Earth Simulator, which has a Linpack benchmark performance of 35.86 TFlop/s and had held the No. 1 position for five consecutive TOP500 lists before being replaced by BlueGene/L last November, is now shown as No. 4.

After a close race to the finish line, the updated the IBM-built MareNostrum cluster installed at the Barcelona Supercomputer Center in Spain, gained the No. 5 spot with 27.91 TFlop/s, just barely ahead of the second European system on the list, an IBM Blue Gene system owned by ASTRON and installed at the University of Groningen in the Netherlands, listed with 27.45 TFlop/s.

The #10 spot was captured by an early measurement of Cray's new Red Storm System at Sandia National Laboratories with 15.25 Tflops/. This is also the new entry level for the TOP10 up from just under 10 TFlop/s Linpack performance six months ago.

IBM continues to establish itself as the dominant vendor of supercomputers with now more than half of the list (51.8 percent) carrying its label. The Blue Gene architecture helped IBM to gain a similar standing at the very top of the list, where now six of the TOP10 systems are from IBM, five of these being Blue Gene systems.

Here are some highlights from the newest Top 500:

As predicted several years ago by the research team behind the TOP500 listing, only systems exceeding the 1 TFlop/s mark on the Linpack were qualified to enter the list this time. The system in No. 500 spot reached 1.166 TFlop/s.

The entry level for the TOP10 exceeds 15 TFlop/s and the entry point for the top 100 moved from 2.026 TFlop/s to 3.412 TFlop/s.

Entry level for the TOP500 is now 1.166 TFlop/s, compared to 850.6 GFlop/s six months ago. The last system on the list would have been listed at position 299 in the last TOP500 just six months ago. This exemplifies the continuous rapid turnover of the TOP500.

The last system (#500) in June 2005 has about the same compute power as ALL 500 systems combined, when the list was first created 13 years ago in June1993.

Total combined performance of all 500 systems on the list is now 1.69 PFlop/s ("petaflops" or thousand "teraflops"), compared to 1.127 PFlop/s six months ago.

Other trends of interest:

A total of 333 systems are now using Intel processors. Six months ago there were 320 Intel-based systems on the list and one year ago only 287. The second most-commonly used processors are the IBM Power processors (77 systems), ahead of Hewlett-Packard's PA Risc processors (36) and AMD processors (25).

There are 304 systems now labeled as clusters, making this the most common architecture in the TOP500.

At present, IBM and Hewlett-Packard sell the bulk of systems at all performance levels of the TOP500. IBM remains the clear leader in the TOP500 list with 51.8 percent of systems and 57.9 percent of installed performance. HP is second with 26.2 percent of systems and 13.3 percent of performance and SGI is third with 5 percent of systems and 7.45 percent of performance. No other manufacturer is able to capture more than 5% in any category.

The U.S is clearly the leading consumer of HPC systems with 294 of the 500 systems installed there (up from 267 six months ago). A new geographical trend, which started a few years ago, now emerges more clearly. The number of systems in Asian countries other than Japan is rising quite steadily. In this latest list, Japan is listed with 23 systems and all other Asian countries combined have an additional 58 systems. However Europe is still ahead of Asia, with 114 systems installed.

China is home to 19 of the systems in Asia -- up from 17 systems six months ago.

In Europe, Germany claimed the No. 1 spot from UK again, with 40 systems compared to 32. Six months ago, UK was in the lead with 42 compared to Germany's 35 systems.

The TOP500 list is compiled by Hans Meuer of the University of Mannheim, Germany; Erich Strohmaier and Horst Simon of NERSC/Lawrence Berkeley National Laboratory; and Jack Dongarra of the University of Tennessee, Knoxville.

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Highlights

All changes are from November 2004 to June 2005:

Highlights from the Top 10:

- The list shows again a major shake-up of the TOP10
- Only half of the TOP10 systems from November 2004 are still large enough to hold on to a TOP10 position, five new systems entered it.
- The new and previous #1 is DOE's IBM BlueGene/L system now installed at DOE's Lawrence Livermore National Laboratory (LLNL). It has doubled in size and has now achieved a Linpack performance of 136.8 TFlop/s.
- The new #2 is a second IBM eServer Blue Gene Solution system, installed at IBM's Thomas Watson Research Center (Press Release) with 91.20 TFlop/s Linpack performance.
- The Columbia system at NASA/Ames built by SGI slipped to the #3 spot from the #2 spot, which it had gained just six month ago, with an equally impressive 51.87 TFlop/s.
- The Earth Simulator, built by NEC and which held the #1 spot for five lists, is now #4.
- The #5 spot was barely captured by the upgraded MareNostrum system at the Barcelona Supercomputer Center. It is an IBM BladeCenter JS20-based system with a Myrinet connection network and achieved 27.91 TFlop/s - just ahead of a third Blue Gene system owned by ASTRON and installed at the University of Groningen with 27.45 TFlop/s.
- The #10 spot was captured by an early measurement of Cray's Red Storm System at Sandia National Laboratories with 15.25 Tflops/. This is also the new entry level for the TOP10 up from just under 10 TFlop/s Linpack performance six months ago.

General highlights from the Top 500 since the last edition:

- As predicted several years ago, only systems exceeding the 1 TFlop/s mark on the Linpack were able to enter the list.
- The last system on the list - with 1.166 TFlop/s - would have been listed at position 299 in the last TOP500 just six months ago. This exemplifies the continuous rapid turnover of the TOP500.
- The last system (#500) in June 2005 has about the same compute power as ALL 500 systems combined, when the list was first created 13 years ago in June1993.
- Total accumulated performance has grown to 1.69 PFlop/s, compared to 1.127 PFlop/s six months ago.
- Entry level is now 1.166 TFlop/s, compared to 850 GFlop/s six months ago.
- The entry point for the top 100 moved from 2.026 TFlop/s to 3.412 TFlop/s.

- A total of 333 systems are now using Intel processors. Six months ago there were 320 Intel-based systems on the list and one year ago only 287.
- The second most common processor family is the IBM Power processor (77 systems), ahead of PA Risc processors (36) and AMD processors (25).

- 304 systems are labeled as clusters, making this the most common architecture in the TOP500.

- At present, IBM and Hewlett-Packard sell the bulk of systems at all performance levels of the TOP500.
- IBM remains the clear leader in the TOP500 list and increased its lead to 51.8 percent of systems and 57.9 percent of installed performance
- HP is second with 26.2 percent of systems and 13.3 percent of performance.
- SGI is third with 5 percent of systems and 7.45 percent of performance
- No other manufacturer is able to capture more than 5 percent in any category.

- The U.S is clearly the leading consumer of HPC systems with 294 of the 500 system installed there. A new geographical trend, which started a few years ago, now emerges more clearly. The number of system in Asian countries other than Japan is rising quite steadily. In this list Japan is listed with 23 systems and all other Asian countries combined have an additional 58 systems. However Europe is still ahead of Asia, with 114 systems installed.
- 19 of the systems in Asia are installed in China -- up from 17 systems six months ago.
- The number of systems installed in the U.S. has increased to 294, up from 267 six months ago.
- In Europe, Germany claimed the #1 spot from UK again, with 40 systems compared to 32. Six months ago UK was in the lead with 42 compared to Germany's 35 systems.

TOP500 Sublist for June 2005

TOP500 Team
http://www.top500.org/

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
1	DOE/NNSA/LLNL	IBM	eServer Blue Gene Solution	Research	United States	2005	136800.00	65536	183500.00	1277951		Proprietary
2	IBM Thomas J. Watson Research Center	IBM	eServer Blue Gene Solution	Research	United States	2005	91290.00	40960	114688.00	983039		Proprietary
3	NASA/Ames Research Center/NAS	SGI	SGI Altix 1.5 GHz, Voltaire Infiniband	Research	United States	2004	51870.00	10160	60960.00	1290240		Mixed
4	The Earth Simulator Center	NEC	Earth-Simulator	Research	Japan	2002	35860.00	5120	40960.00	1075200	266240	Crossbar
5	Barcelona Supercomputer Center	IBM	JS20 Cluster, PPC 970, 2.2 GHz, Myrinet	Academic	Spain	2005	27910.00	4800	42144.00	977816		Myrinet
6	ASTRON/University Groningen	IBM	eServer Blue Gene Solution	Academic	Netherlands	2005	27450.00	12288	34406.40	516095		Proprietary
7	Lawrence Livermore National Laboratory	California Digital Corporation	Intel Itanium2 Tiger4 1.4GHz - Quadrics	Research	United States	2004	19940.00	4096	22938.00	975000	110000	Quadrics
8	Computational Biology Research Center, AIST	IBM	eServer Blue Gene Solution	Research	Japan	2005	18200.00	8192	22937.60	442367		Proprietary
9	Ecole Polytechnique Federale de Lausanne	IBM	eServer Blue Gene Solution	Academic	Switzerland	2005	18200.00	8192	22937.60	442367		Proprietary
10	Sandia National Laboratories	Cray Inc.	Red Storm, Cray XT3, 2.0 GHz	Research	United States	2005	15250.00	5000	20000.00			Cray Interconnect
11	Oak Ridge National Laboratory	Cray Inc.	Cray XT3, 2.4 GHz	Research	United States	2005	14170.00	3748	17990.00			Cray Interconnect
12	Los Alamos National Laboratory	Hewlett-Packard	ASCI Q - AlphaServer SC45, 1.25 GHz	Research	United States	2002	13880.00	8192	20480.00	633000	225000	Quadrics
13	Lawrence Livermore National Laboratory	IBM	eServer pSeries p5 575 1.9 GHz	Research	United States	2005	13090.00	2048	15564.80	806400	54000	SP Switch
14	Virginia Tech	Self-made	1100 Dual 2.3 GHz Apple XServe/Mellanox Infiniband	Academic	United States	2004	12250.00	2200	20240.00	620000		Infiniband
15	Japan Atomic Energy Research Institute	SGI	SGI Altix 3700 Bx2, 1.6 GHz, NUMALink	Research	Japan	2005	11814.00	2048	13107.00	494592		NUMAlink
16	IBM - Rochester	IBM/ LLNL	BlueGene/L DD1 Prototype (0.5GHz PowerPC 440 w/Cus	Vendor	United States	2004	11680.00	8192	16384.00	331775		Proprietary
17	Wright-Patterson Air Force Base/DoD ASC	SGI	SGI Altix 3700 Bx2, 1.6 GHz, NUMALink	Research	United States	2003	11652.00	2048	13107.00	494592		NUMAlink
18	China Meteorological Administration	IBM	eServer pSeries 655 (1.7 GHz Power4+)	Research	China	2005	10310.00	3200	21760.00			SP Switch
19	Naval Oceanographic Office (NAVOCEANO)	IBM	eServer pSeries 655 (1.7 GHz Power4+)	Research	United States	2004	10310.00	2944	20019.20			SP Switch
20	NCSA	Dell	PowerEdge 1750, P4 Xeon 3.06 GHz, Myrinet	Academic	United States	2003	9819.00	2500	15300.00	630000		Myrinet
21	IBM - Almaden Research Center	IBM	eServer Blue Gene Solution	Research	United States	2005	9360.00	4096	11468.80	331775		Proprietary
22	IBM - Deep Computing Capacity on Demand Center	IBM	eServer Blue Gene Solution	Industry	United States	2005	9360.00	4096	11468.80	331775		Proprietary
23	IBM Thomas J. Watson Research Center	IBM/ LLNL	eServer Blue Gene Solution	Research	United States	2005	9360.00	4096	11468.80	331775		Proprietary
24	ECMWF	IBM	eServer pSeries 690 (1.9 GHz Power4+)	Research	United Kingdom	2004	9241.00	2176	16538.00	370000		SP Switch
25	ECMWF	IBM	eServer pSeries 690 (1.9 GHz Power4+)	Research	United Kingdom	2004	9241.00	2176	16538.00	370000		SP Switch
26	Australian Partnership for Advanced Computing (APAC)	SGI	SGI Altix 3700 Bx2, 1.6 GHz, NUMALink	Academic	Australia	2005	8974.00	1536	9830.00			NUMAlink
27	HWW/Universitaet Stuttgart	NEC	SX8/576M72	Industry	Germany	2005	8923.00	576	9216.00	829440	55296	Crossbar
28	US Army Research Laboratory (ARL)	Linux Networx	LNX Cluster, Xeon 3.4 GHz, Myrinet	Research	United States	2004	8770.00	2048	13926.00	630000	217440	Myrinet
29	Institute of Physical and Chemical Res. (RIKEN)	Fujitsu	RIKEN Super Combined Cluster	Research	Japan	2004	8728.00	2048	12534.00	474200	120000	Mixed
30	Pacific Northwest National Laboratory	Hewlett-Packard	Cluster Platform 6000 rx2600 Itanium2 1.5 GHz, Qua	Research	United States	2003	8633.00	1936	11616.00	835000	140000	Quadrics
31	Shanghai Supercomputer Center	Dawning	Dawning 4000A, Opteron 2.2 GHz, Myrinet	Research	China	2004	8061.00	2560	11264.00	728400	180000	Myrinet
32	Los Alamos National Laboratory	Linux Networx	Opteron 2 GHz, Myrinet	Research	United States	2003	8051.00	2816	11264.00	761160	109208	Myrinet
33	Pittsburgh Supercomputing Center	Cray Inc.	Cray XT3, 2.4 GHz	Academic	United States	2005	7935.82	2060	9888.00			Cray Interconnect
34	Lawrence Livermore National Laboratory	Linux Networx/Quadrics	MCR Linux Cluster Xeon 2.4 GHz - Quadrics	Research	United States	2002	7634.00	2304	11060.00	350000	75000	Quadrics
35	Lawrence Livermore National Laboratory	IBM	ASCI White, SP Power3 375 MHz	Research	United States	2000	7304.00	8192	12288.00	640000		SP Switch
36	NERSC/LBNL	IBM	SP Power3 375 MHz 16 way	Research	United States	2002	7304.00	6656	9984.00	640000		SP Switch
37	University of Southern California	IBM, Sun, Myricom	Sun Fire V60, IBM xServer,2.8-3.2 GHz, Myrinet	Academic	United States	2005	7291.00	2640	14784.00	340000	130000	Myrinet
38	NCSA	IBM	TeraGrid, Itanium2 1.3/1.5 GHZ, Myrinet	Academic	United States	2004	7215.00	1776	10259.00	540000		Myrinet
39	US Army Research Laboratory (ARL)	IBM	eServer Opteron 2.2 GHz. Myrinet	Research	United States	2004	7185.00	2320	10208.00	600000		Myrinet
40	University of Sherbrooke	Dell	PowerEdge SC1425 3.6 GHz- Infiniband	Academic	Canada	2005	6888.00	1152	8294.40	650000	325000	Infiniband
41	Nagoya University	Fujitsu	PRIMEPOWER HPC2500 (2.08 GHz)	Academic	Japan	2005	6860.00	1664	13844.00	850720	118326	Crossbar
42	Lawrence Livermore National Laboratory	IBM/Quadrics	xSeries Cluster Xeon 2.4 GHz - Quadrics	Research	United States	2003	6586.00	1920	9216.00	425000	90000	Quadrics
43	UCSD/San Diego Supercomputer Center	IBM	eServer pSeries 655/690 (1.5/1.7 Ghz Power4+)	Academic	United States	2004	6385.00	1696	10406.00	504000	51000	SP Switch

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
44	Lawrence Livermore National Laboratory	IBM	xSeries Xeon 3.06 GHz, Quadrics	Research	United States	2004	6232.00	1540	9425.00			Quadrics
45	HPCx	IBM	eServer pSeries 690 (1.7 GHz Power4+)	Academic	United Kingdom	2004	6188.00	1600	10880.00	355000		SP Switch
46	Grid Technology Research Center, AIST	IBM	AIST Super Cluster P-32, Opteron 2.0 GHz, Myrinet	Research	Japan	2004	6155.00	2200	8800.00			Myrinet
47	NCSA	Dell	PowerEdge 1850, 3.6 GHz, Infiniband	Academic	United States	2005	6118.00	1024	7373.00	530000		Infiniband
48	NCSA	SGI	SGI Altix 3700 Bx2, 1.6 GHz, NUMALink	Academic	United States	2005	6117.27	1024	6553.00			NUMAlink
49	Lawrence Livermore National Laboratory	IBM	eServer pSeries p5 575 1.9 GHz	Research	United States	2005	5917.00	896	6809.60	480000		SP Switch
50	Oak Ridge National Laboratory	Cray Inc.	Cray X1	Research	United States	2004	5895.00	504	6451.00	494592	53760	Crossbar
51	Seoul National University	IBM	eServer BladeCenter JS20 (PowerPC970 2.2 GHz), Myr	Academic	Korea, South	2005	5618.30	968	8518.40			Myrinet
52	Forschungszentrum Juelich (FZJ)	IBM	eServer pSeries 690 (1.7 GHz Power4+)	Research	Germany	2004	5568.00	1312	8921.00	660000	60000	SP Switch
53	Brigham Young University	Dell	PowerEdge 1855, 3.6 GHz, GigEthernet	Academic	United States	2005	5439.00	1260	9072.00			Gigabit Ethernet
54	University of Oklahoma	Dell	PowerEdge 1850, 3.2 GHz, Infiniband	Academic	United States	2005	5438.00	1024	6553.60	530000		Infiniband
55	National Aerospace Laboratory of Japan	Fujitsu	PRIMEPOWER HPC2500 (1.3 GHz)	Research	Japan	2002	5406.00	2304	11980.00	658800	100080	Crossbar
56	Joint Supercomputer Center	IBM	MVS-15000BM, eServer BladeCenter JS20 (PowerPC970	Academic	Russia	2005	5355.00	924	8131.20	415800	110000	Myrinet
57	Swiss Scientific Computing Center (CSCS)	Cray Inc.	Cray XT3, 2.6 GHz	Research	Switzerland	2005	4782.00	1100	5720.00	349760	35000	Cray Interconnect
58	Argonne National Laboratory	IBM	eServer Blue Gene Solution	Research	United States	2005	4713.00	2048	5734.00	233471		Proprietary
59	Boston University	IBM	eServer Blue Gene Solution	Academic	United States	2005	4713.00	2048	5734.00	233471		Proprietary
60	Forschungszentrum Juelich (FZJ)	IBM	eServer Blue Gene Solution	Research	Germany	2005	4713.00	2048	5734.00	233471		Proprietary
61	NCAR (National Center for Atmospheric Research)	IBM	eServer Blue Gene Solution	Research	United States	2005	4713.00	2048	5734.00	233471		Proprietary
62	NIWS Co, Ltd	IBM	eServer Blue Gene Solution	Industry	Japan	2005	4713.00	2048	5734.00	233471		Proprietary
63	UCSD/San Diego Supercomputer Center	IBM	eServer Blue Gene Solution	Academic	United States	2005	4713.00	2048	5734.00	233471		Proprietary
64	University of Edinburgh	IBM	eServer Blue Gene Solution	Academic	United Kingdom	2005	4713.00	2048	5734.00	233471		Proprietary
65	KTH - Royal Institute of Technology	Dell	PowerEdge 1850, 3.2 GHz, Infiniband	Academic	Sweden	2005	4700.00	886	5670.40			Infiniband
66	University of Illinois	Self-made	XServe G5 2GHz, Myrinet	Academic	United States	2005	4559.00	1024	8192.00	466944		Myrinet
67	Kyoto University	Fujitsu	PRIMEPOWER HPC2500 (1.56 GHz)	Academic	Japan	2004	4552.00	1472	9185.00	749340	90390	Crossbar
68	Pittsburgh Supercomputing Center	Hewlett-Packard	AlphaServer SC45, 1 GHz	Academic	United States	2001	4463.00	3016	6032.00	280000	85000	Quadrics
69	National Centers for Environmental Prediction	IBM	eServer pSeries 655 (1.7 GHz Power4+)	Research	United States	2004	4379.00	1152	7833.60	450000	60000	SP Switch
70	National Centers for Environmental Prediction	IBM	eServer pSeries 655 (1.7 GHz Power4+)	Research	United States	2004	4379.00	1152	7833.60	450000	60000	SP Switch
71	Caltech/JPL	Dell	PowerEdge 1750, P4 Xeon 3.2 GHz, Myrinet	Academic	United States	2004	4298.00	1024	6553.60	420000		Myrinet
72	Chinese Academy of Science	lenovo	DeepComp 6800, Itanium2 1.3 GHz, QsNet	Academic	China	2003	4193.00	1024	5324.80	491488		Quadrics
73	NCAR (National Center for Atmospheric Research)	IBM	pSeries 690 Turbo 1.3 GHz	Research	United States	2003	4184.00	1600	8320.00	550000	93000	SP Switch
74	Texas Advanced Computing Center/Univ. of Texas	Dell-Cray	PowerEdge 1750, Pentium4 Xeon 3.2/3.06 GHz, Myrine	Academic	United States	2004	4152.00	1024	6338.00	321600		Myrinet
75	DOE/Bettis Atomic Power Laboratory	Atipa Technology	Atipa Cluster, Opteron, Myrinet	Research	United States	2005	4035.00	1090	5232.00	470000	80000	Myrinet
76	DOE/Knolls Atomic Power Laboratory	Atipa Technology	Atipa Cluster, Opteron, Myrinet	Research	United States	2005	4035.00	1090	5232.00	470000	80000	Myrinet
77	Commissariat a l'Energie Atomique (CEA)	Hewlett-Packard	AlphaServer SC45, 1 GHz	Research	France	2001	3980.00	2560	5120.00	360000	85000	Quadrics
78	Lawrence Livermore National Laboratory	IBM	eServer pSeries 655 (1.5 GHz Power4+)	Research	United States	2004	3812.00	1024	6144.00	428800	42400	SP Switch
79	Lawrence Livermore National Laboratory	IBM	eServer pSeries 655 (1.5 GHz Power4+)	Research	United States	2004	3812.00	1024	6144.00	428800	42400	SP Switch
80	Korea Meteorological Administration	Cray Inc.	Cray X1E	Research	Korea, South	2005	3783.10	252	4556.16			Crossbar
81	US Army HPC Research Center at NCS	Cray Inc.	Cray X1E	Research	United States	2005	3783.10	252	4556.16			Crossbar
82	Bank	IBM	BladeCenter HS20 Xeon 3.06 GHz, Gig-Ethernet	Industry	United Kingdom	2004	3755.00	3200	19584.00			Gigabit Ethernet
83	Westgrid	IBM	BladeCenter Xeon 3.06 GHz, Gig-Ethernet	Academic	Canada	2005	3755.00	1680	10281.60			Gigabit Ethernet
84	Petroleum Company (G)	IBM	BladeCenter HS20 Xeon 3.2 GHz, Gig-Ethernet	Industry	Saudia Arabia	2004	3755.00	1536	9830.40			Gigabit Ethernet
85	Credit Suisse/First Boston	IBM	BladeCenter HS20 Xeon 3.06 GHz, Gig-Ethernet	Industry	United Kingdom	2004	3755.00	1500	9180.00			Gigabit Ethernet
86	Animal Logic	IBM	BladeCenter HS20 Xeon 3.06 GHz, Gig-Ethernet	Industry	Australia	2005	3755.00	1148	7025.76			Gigabit Ethernet

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87	Geoscience (B)	IBM	HS20 Cluster, Xeon EM64T 3.4 GHz - Gig-Ethernet	Research	India	2005	3755.00	1024	6963.20			Gigabit Ethernet
88	Geoscience (C)	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United Kingdom	2004	3755.00	1128	6903.36			Gigabit Ethernet
89	Geoscience (C)	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United Kingdom	2004	3755.00	1128	6903.36			Gigabit Ethernet
90	Semiconductor Company (D)	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	Israel	2004	3755.00	1120	6854.40			Gigabit Ethernet
91	Financial Services (H)	IBM	BladeCenter HS20 Xeon 3.2 GHz, Gig-Ethernet	Industry	United States	2005	3755.00	1024	6553.60			Gigabit Ethernet
92	Bank (H)	IBM	BladeCenter Xeon 3.06 GHz, Gig-Ethernet	Industry	Germany	2004	3755.00	1064	6511.68			Gigabit Ethernet
93	ConocoPhillips	IBM	BladeCenter Xeon 3.06 GHz, Gig-Ethernet	Industry	United States	2004	3755.00	1056	6462.72			Gigabit Ethernet
94	PGS	IBM	xSeries Cluster Xeon 3.06 GHz - Gig-E	Industry	United States	2003	3755.00	1024	6266.88			Gigabit Ethernet
95	Petroleum Company (C)	IBM	xSeries Cluster Xeon 3.06 GHz - Gig-E	Industry	Brazil	2004	3755.00	1024	6266.88			Gigabit Ethernet
96	IBM - Deep Computing Capacity on Demand Center	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	3755.00	1000	6120.00	390000		Gigabit Ethernet
97	PETROBRAS	Hewlett-Packard	Cluster Platform 3000 DL140G3 Xeon 3.06 GHz GigEth	Industry	Brazil	2004	3739.00	1300	7956.00			Gigabit Ethernet
98	Naval Oceanographic Office (NAVOCEANO)	IBM	pSeries 690 Turbo 1.3 GHz	Research	United States	2004	3717.20	1408	7321.60			SP Switch
99	WETA Digital	IBM	HS20 Cluster, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	New Zealand	2005	3666.99	1000	7200.00			Gigabit Ethernet
100	Galactic Computing (Shenzhen) Ltd.	Galactic Computing	Supercomputing Blade System GT4000	Industry	China	2005	3413.00	562	4046.00	332000		Infiniband
101	CINECA	IBM	eServer pSeries p5 575 1.9 GHz	Academic	Italy	2005	3392.00	512	3891.20	320000		SP Switch
102	Walt Disney Feature Animation	Hewlett-Packard	Cluster Platform 3000 DL360G3 Xeon 3.06 GHz, Myrin	Industry	United States	2004	3379.50	900	5508.00			Myrinet
103	Forecast Systems Laboratory - NOAA	HPTi	Aspen Systems, Dual Xeon 2.2 GHz - Myrinet2000	Research	United States	2002	3337.00	1536	6758.00	285000	75000	Myrinet
104	National Institute for Materials Science	Hitachi	SR11000-H1/56	Research	Japan	2004	3319.00	56	6093.00	413280	52920	SP Switch
105	Institute for Molecular Science	Hitachi	SR11000-H1/50	Research	Japan	2004	3296.00	50	5440.00	392400	49860	SP Switch
106	CINECA	IBM	xSeries, Xeon 3.06 GHz, Myrinet	Academic	Italy	2005	3231.00	1024	6266.88			Myrinet
107	Institute of Scientific Computing/Nankai University	IBM	xSeries Xeon 3.06 GHz, Myrinet	Academic	China	2004	3231.00	768	4700.00	301000	59000	Myrinet
108	UCSD/San Diego Supercomputer Center	IBM	TeraGrid Cluster, Itanium 2 1.3 GHz, Myrinet	Academic	United States	2004	3152.00	768	3993.00	350000		Myrinet
109	The University of Nottingham	Sun Microsystems	Fire V20z Cluster, Opteron 2.2 GHz, Gig Ethernet	Academic	United Kingdom	2005	3146.00	1024	4394.00	340000		Gigabit Ethernet
110	Adam Opel AG	IBM	eServer pSeries p5 575 1.9 GHz, GigEth	Industry	Germany	2005	3068.00	720	5472.00			Gigabit Ethernet
111	Manufacturer (G)	IBM	eServer p5 570 POWER5 1.9 GHz, GigEth	Industry	United States	2004	3068.00	720	5472.00	375500		Gigabit Ethernet
112	Max-Planck-Gesellschaft MPI/IPP	IBM	eServer pSeries p5 575 1.9 GHz, GigEth	Research	Germany	2005	3068.00	720	5472.00			Gigabit Ethernet
113	Korea Institute of Science and Technology	IBM	xSeries Xeon 2.4 GHz, Myrinet	Research	Korea, South	2004	3067.00	1024	4915.20	230000		Myrinet
114	University of Sherbrooke	Dell	PowerEdge 750, P4 3.2 GHz, GigE	Academic	Canada	2004	3064.00	872	5580.80			Gigabit Ethernet
115	IBM	IBM	eServer pSeries 690 (1.9 GHz Power4+)	Vendor	United States	2004	3030.55	672	5107.20			SP Switch
116	Semiconductor Company (E)	IBM	xSeries Cluster Xeon 3.06 GHz - Gig-E	Industry	United States	2003	3004.00	800	4896.00			Gigabit Ethernet
117	New York University	IBM	eServer BladeCenter JS20 (PowerPC970 2.2 GHz), Myr	Academic	United States	2005	2994.04	512	4505.60			Myrinet
118	PETROBRAS	Hewlett-Packard	Cluster Platform 3000 DL140G3 Xeon 3.06 GHz GigEth	Industry	Brazil	2004	2992.00	1008	6169.00			Gigabit Ethernet
119	Animal Logic	IBM	BladeCenter HS20 Xeon 3.2 GHz, Gig-Ethernet	Industry	Australia	2005	2943.92	784	5017.60			Gigabit Ethernet
120	Government	Cray Inc.	Cray X1	Classified	United States	2003	2932.90	252	3225.60	338688	44288	Crossbar
121	Semiconductor Company (C)	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	2928.90	780	4773.60			Gigabit Ethernet
122	University of Tokyo/Institute for Solid State Physics	SGI	SGI Altix 3700 Bx2, 1.5 GHz, NUMAlink, GigEth	Academic	Japan	2005	2887.00	1280	7680.00	336000		Mixed
123	Sandia National Laboratories	Hewlett-Packard	Cluster Platform DL360G3, Pentium4 Xeon 2.8 GHz, M	Research	United States	2004	2880.00	1024	5734.40			Myrinet
124	Sandia National Laboratories	Hewlett-Packard	Cluster Platform DL360G3, Pentium4 Xeon 2.8 GHz, M	Research	United States	2004	2880.00	1024	5734.40			Myrinet
125	NOAA/Geophysical Fluid Dynamics Laboratory (GFDL)	SGI	SGI Altix 3700 Bx2, 1.5 GHz, Numalink	Research	United States	2005	2869.00	512	3072.00	317520		NUMAlink
126	NOAA/Geophysical Fluid Dynamics Laboratory (GFDL)	SGI	SGI Altix 3700 Bx2, 1.5 GHz, Numalink	Research	United States	2005	2869.00	512	3072.00	317520		NUMAlink
127	NOAA/Geophysical Fluid Dynamics Laboratory (GFDL)	SGI	SGI Altix 3700 Bx2, 1.5 GHz, Numalink	Research	United States	2005	2869.00	512	3072.00	317520		NUMAlink
128	Max-Planck-Gesellschaft MPI/IPP	IBM	pSeries 690 Turbo 1.3GHz	Research	Germany	2004	2735.00	1024	5324.80			SP Switch
129	UT SimCenter at Chattanooga	Dell	PowerEdge 1850, 3.2 GHz, GigEthernet	Academic	United States	2005	2651.00	792	5058.80	309000	154500	Gigabit Ethernet

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
130	Environment Canada	IBM	pSeries 690 Turbo 1.3GHz	Research	Canada	2004	2560.00	960	4992.00			SP Switch
131	Energy Company	Hewlett-Packard	Cluster Platform 6000 rx5670-4x256, Itanium2 1.3 G	Industry	United States	2003	2556.00	1024	5324.80			Gigabit Ethernet
132	Sinopec	IBM	HS20 Cluster, Xeon EM64T 3.4 GHz - Gig-Ethernet	Industry	China	2005	2537.56	692	4705.60			Gigabit Ethernet
133	Sinopec	IBM	HS20 Cluster, Xeon EM64T 3.4 GHz - Gig-Ethernet	Industry	China	2005	2537.56	692	4705.60			Gigabit Ethernet
134	Telco	IBM	BladeCenter HS20 Xeon 3.2 GHz, Gig-Ethernet	Industry	Canada	2005	2532.67	1036	6630.40			Gigabit Ethernet
135	PGS	IBM	xSeries Xeon 3.06 GHz - Gig-Ethernet	Industry	Australia	2005	2523.36	672	4112.64			Gigabit Ethernet
136	University of Alaska - ARSC	IBM	eServer pSeries 655 (1.5 GHz Power4+)	Academic	United States	2004	2510.27	672	4032.00			SP Switch
137	The Wellcome Trust Sanger Institute	IBM	HS20 Cluster, Xeon EM64T 3.2 GHz - Gig-Ethernet	Research	United Kingdom	2005	2404.52	600	3840.00			Gigabit Ethernet
138	Digital Media Company (C)	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United Kingdom	2004	2403.20	640	3916.80			Gigabit Ethernet
139	Sandia National Laboratories	Intel	ASCI Red	Research	United States	1999	2379.00	9632	3207.00	362880	75400	Proprietary
140	SARA (Stichting Academisch Rekencentrum)	Dell	PowerEdge 1850, 3.4 GHz, Infiniband	Academic	Netherlands	2005	2371.00	544	3740.00	140000		Infiniband
141	CSAR at the University of Manchester	SGI	SGI Altix 1.3 GHz	Academic	United Kingdom	2005	2338.00	512	2662.40			NUMAlink
142	Silicon Graphics	SGI	SGI Altix 1.3 GHz	Vendor	United States	2004	2338.00	512	2662.40			NUMAlink
143	Oak Ridge National Laboratory	IBM	pSeries 690 Turbo 1.3GHz	Research	United States	2002	2310.00	864	4492.80	275000	62000	SP Switch
144	Automotive Manufacturer (F)	IBM	eServer, Opteron 2.0 GHz, Myrinet	Industry	Italy	2005	2308.13	768	3072.00			Myrinet
145	Sandia National Laboratories	IBM	xSeries Xeon 3.06 GHz, Myrinet	Research	United States	2004	2223.15	512	3133.44			Myrinet
146	Sandia National Laboratories	Dell	Precision 470 Cluster, 3.6 GHz, Infiniband	Research	United States	2005	2209.00	592	4262.40			Infiniband
147	Louisiana State University	Atipa Technology	P4 Xeon 1.8 GHz - Myrinet	Academic	United States	2002	2207.00	1024	3686.40	280000	56000	Myrinet
148	Sandia National Laboratories	Hewlett-Packard	Cluster Platform 3000 DL360G4 Xeon 3.4 GHz, Myrine	Research	United States	2004	2200.00	1028	6990.00			Myrinet
149	Sandia National Laboratories	Hewlett-Packard	Cluster Platform 3000 DL360G4 Xeon 3.4 GHz, Myrine	Research	United States	2004	2200.00	1028	6990.00			Myrinet
150	Gaming Company (B)	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 2.8 GHz	Industry	China	2005	2199.70	800	4480.00			Gigabit Ethernet
151	Gaming Company (B)	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 2.8 GHz	Industry	Taiwan	2005	2199.70	800	4480.00			Gigabit Ethernet
152	Gaming Company (B)	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 2.8 GHz	Industry	China	2005	2199.70	800	4480.00			Gigabit Ethernet
153	Gaming Company (B)	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 2.8 GHz	Industry	China	2005	2199.70	800	4480.00			Gigabit Ethernet
154	Korea Meteorological Administration	Cray Inc.	Cray X1	Research	Korea, South	2004	2188.15	188	2406.40			Crossbar
155	Los Alamos National Laboratory	Linux Networx	Opteron 2 GHz, Myrinet	Research	United States	2005	2184.29	764	3056.00			Myrinet
156	Government	Cray Inc.	Cray XT3, 2.4 GHz	Classified	United States	2005	2173.00	544	2611.20			Cray Interconnect
157	NASA/Goddard Space Flight Center	Hewlett-Packard	AlphaServer SC45, 1 GHz	Research	United States	2002	2164.00	1392	2784.00	320000	40000	Quadrics
158	Institute of Genomics and Integrative Biology	Hewlett-Packard	Cluster Platform 3000 DL140G2 Xeon 3.6 GHz Infinib	Research	India	2005	2156.00	576	4147.20			Infiniband
159	Meteorological Research Institute/JMA	NEC	SX-6/248M31 (typeE, 1.778ns)	Research	Japan	2004	2155.00	248	2232.00	220224	21816	Crossbar
160	Lawrence Livermore National Laboratory	IBM	ASCI Blue-Pacific SST, IBM SP 604e	Research	United States	1999	2144.00	5808	3856.50	431344		SP Switch
161	US Army Research Laboratory (ARL)	IBM	pSeries 690 Turbo 1.3GHz	Research	United States	2002	2140.00	800	4160.00			SP Switch
162	University of California, Los Angeles	Self-made	Apple XServe, 2.0/2.3 GHz, GigEthenet	Academic	United States	2005	2135.00	512	4403.20	235000		Gigabit Ethernet
163	Sony Pictures Imageworks	IBM	xSeries Cluster Xeon 3.06 GHz - Gig-E	Industry	United States	2003	2132.84	568	3476.16			Gigabit Ethernet
164	Atomic Weapons Establishment	IBM	SP Power3 375 MHz 16 way	Classified	United Kingdom	2002	2106.00	1920	2880.00			SP Switch
165	Deutscher Wetterdienst	IBM	SP Power3 375 MHz 16 way	Research	Germany	2003	2106.00	1920	2880.00			SP Switch
166	Bowie State University	Apple	XServe G5 2GHz, Myrinet	Academic	United States	2005	2104.00	448	3584.00	221376		Myrinet
167	Universitaet Wuppertal	Angstrom Microsystems	ALiCEnext, Opteron 1.8 GHz, GigE, Parastation	Academic	Germany	2004	2083.00	1024	3686.40			Gigabit Ethernet
168	Grid Technology Research Center, AIST	IBM	AIST Super Cluster M-64, Itanium2 1.3 GHz, Myrine	Research	Japan	2004	2082.00	512	2662.40	490160		Myrinet
169	Deutscher Wetterdienst	IBM	eServer pSeries p5 575 1.9 GHz	Research	Germany	2005	2068.50	312	2371.20			SP Switch
170	Semiconductor Company (C)	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	2065.25	550	3366.00			Gigabit Ethernet
171	Energy Company	Hewlett-Packard	Cluster Platform 6000 rx4640-4x136 Itanium2 1.3 GH	Industry	United States	2004	2059.00	800	4160.00			Gigabit Ethernet
172	Universitaet Aachen/RWTH	Sun Microsystems	Sun Fire 25K/6900 Cluster	Academic	Germany	2005	2054.40	672	3052.80	499200		Fireplane

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
173	Oracle Corporation	Hewlett-Packard	Cluster Platform 3000 DL380G3, Pentium4 Xeon 2.8 G	Industry	United States	2004	2044.00	702	3931.20			Myrinet
174	United Institute of Informatics Problems	Self-made	Opteron 2.2 GHz, Infiniband	Academic	Belarus	2004	2032.00	576	2534.40	274000	25000	Infiniband
175	Geoscience (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United Kingdom	2004	2026.00	2256	12633.00			Gigabit Ethernet
176	Credit Suisse	IBM	BladeCenter HS20 Xeon 2.8 GHz, Gig-Ethernet	Industry	Switzerland	2004	2026.00	1500	8400.00			Gigabit Ethernet
177	WETA Digital	IBM	BladeCenter Cluster Xeon 2.8 GHz, Gig-Ethernet	Industry	New Zealand	2003	2026.00	1176	6585.60			Gigabit Ethernet
178	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2003	2026.00	1140	6384.00			Gigabit Ethernet
179	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2003	2026.00	1140	6384.00			Gigabit Ethernet
180	WETA Digital	IBM	BladeCenter Cluster Xeon 2.8 GHz, Gig-Ethernet	Industry	New Zealand	2003	2026.00	1080	6048.00			Gigabit Ethernet
181	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2003	2026.00	1030	5768.00			Gigabit Ethernet
182	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2003	2026.00	1028	5756.80			Gigabit Ethernet
183	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2003	2026.00	1028	5756.80			Gigabit Ethernet
184	C.O.R.E. Digital Pictures Inc	IBM	BladeCenter Xeon 2.8 GHz, Gig-Ethernet	Industry	Canada	2004	2026.00	1008	5644.80			Gigabit Ethernet
185	Geotrace	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2003	2026.00	1000	5600.00			Gigabit Ethernet
186	Geotrace	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	2026.00	1000	5600.00			Gigabit Ethernet
187	Geotrace	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	2026.00	1000	5600.00			Gigabit Ethernet
188	Geotrace	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	2026.00	1000	5600.00			Gigabit Ethernet
189	Geotrace	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	2026.00	1000	5600.00			Gigabit Ethernet
190	Geotrace	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	2026.00	1000	5600.00			Gigabit Ethernet
191	GX Technology	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	2026.00	880	4928.00			Gigabit Ethernet
192	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	2026.00	712	3987.20			Gigabit Ethernet
193	Geoscience (D)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	Mexico	2003	2026.00	706	3953.60			Gigabit Ethernet
194	Geoscience (D)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	Mexico	2003	2026.00	706	3953.60			Gigabit Ethernet
195	Geoscience (D)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	Mexico	2003	2026.00	706	3953.60			Gigabit Ethernet
196	UBS Warburg	IBM	BladeCenter Xeon 2.8 GHz, Gig-Ethernet	Industry	United Kingdom	2004	2026.00	650	3640.00			Gigabit Ethernet
197	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, GigEthernet	Industry	United States	2004	2019.48	608	3404.80			Gigabit Ethernet
198	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, GigEthernet	Industry	United States	2004	2019.48	608	3404.80			Gigabit Ethernet
199	United Kingdom Meteorological Office	NEC	SX8/128M16	Research	United Kingdom	2005	2017.00	128	2048.00	358400	10240	Crossbar
200	University at Buffalo, SUNY, Center for Computational Res.	Dell	PowerEdge 2650 Cluster P4 Xeon 2.4 GHz - Myrinet	Academic	United States	2002	2004.00	600	2880.00	253400	42200	Myrinet
201	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2003	1999.91	602	3371.20			Gigabit Ethernet
202	Bank (H)	IBM	BladeCenter HS20 Xeon 3.06 GHz, Gig-Ethernet	Industry	Germany	2005	1997.66	532	3255.84			Gigabit Ethernet
203	Grid Technology Research Center, AIST	Linux Networx	AIST Super Cluster F-32, Xeon 3.06 GHz, GigE	Research	Japan	2004	1997.00	512	3133.40	331968		Gigabit Ethernet
204	Semiconductor Company (D)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	Israel	2003	1993.38	600	3360.00			Gigabit Ethernet
205	Universitaet Paderborn - PC2	Fujitsu-Siemens	hpcLine, Xeon EM64T 3.2 GHz, Infiniband	Academic	Germany	2005	1978.00	400	2560.00	220000	32000	Infiniband
206	Energy Company	Hewlett-Packard	Cluster Platform 3000 DL360G3 Xeon 3.2 GHz, GigEth	Industry	Italy	2005	1947.10	516	3302.40			Gigabit Ethernet
207	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2003	1928.15	580	3248.00			Gigabit Ethernet
208	PETROBRAS	IBM	BladeCenter Xeon 3.2 GHz, Gig-E	Industry	Brazil	2004	1922.56	512	3276.80			Gigabit Ethernet
209	PGS	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	1922.56	512	3133.44			Gigabit Ethernet
210	Petroleum Company (D)	IBM	BladeCenter Xeon 3.06 GHz, Gig-Ethernet	Industry	China	2004	1922.56	512	3133.44			Gigabit Ethernet
211	UBS Warburg	IBM	BladeCenter HS20 Xeon 3.06 GHz, Gig-Ethernet	Industry	United Kingdom	2004	1922.56	512	3133.44			Gigabit Ethernet
212	Naval Oceanographic Office (NAVOCEANO)	IBM	eServer pSeries 655 (1.5 GHz Power4+)	Research	United States	2004	1918.57	512	3072.00			SP Switch
213	Anonymous	IBM	eServer pSeries p5 575 1.9 GHz	Academic	Germany	2005	1909.68	288	2188.80			SP Switch
214	Government	Cray Inc.	Cray X1E	Classified	Korea, South	2005	1905.00	124	2241.92			Crossbar
215	National Center for High Performance Computing	Hewlett-Packard	Cluster Platform 6000 rx2600 Itanium2 1.5 GHz, Qua	Academic	Taiwan	2004	1889.00	384	2304.00			Quadrics

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
216	Geoscience (E)	IBM	HS20 Cluster, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1877.50	512	3686.40			Gigabit Ethernet
217	Geoscience (E)	IBM	HS20 Cluster, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1877.50	512	3686.40			Gigabit Ethernet
218	Geoscience (E)	IBM	HS20 Cluster, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1877.50	512	3686.40			Gigabit Ethernet
219	Geoscience (E)	IBM	HS20 Cluster, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1877.50	512	3686.40			Gigabit Ethernet
220	Geoscience (E)	IBM	HS20 Cluster, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1877.50	512	3686.40			Gigabit Ethernet
221	Geoscience (E)	IBM	HS20 Cluster, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1877.50	512	3686.40			Gigabit Ethernet
222	Geoscience (E)	IBM	HS20 Cluster, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1877.50	512	3686.40			Gigabit Ethernet
223	Geoscience (E)	IBM	HS20 Cluster, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1877.50	512	3686.40			Gigabit Ethernet
224	Digital Media Company (E)	Hewlett-Packard	Cluster Platform 3000 DL360G3 Xeon 3.06 GHz, Myrin	Industry	United States	2004	1877.00	500	3060.00			Myrinet
225	Digital Media Company (E)	Hewlett-Packard	Cluster Platform 3000 DL360G3 Xeon 3.06 GHz, Myrin	Industry	United States	2004	1877.00	500	3060.00			Myrinet
226	Digital Media Company (E)	Hewlett-Packard	Cluster Platform 3000 DL360G3 Xeon 3.06 GHz, Myrin	Industry	United States	2004	1877.00	500	3060.00			Myrinet
227	Industrial Classified	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.06 GHz	Industry	United States	2004	1872.00	600	3672.00			Gigabit Ethernet
228	Industrial Classified	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.06 GHz	Industry	United States	2004	1872.00	600	3672.00			Gigabit Ethernet
229	Industrial Classified	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.06 GHz	Industry	United States	2004	1872.00	600	3672.00			Gigabit Ethernet
230	Industrial Classified	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.06 GHz	Industry	United States	2004	1872.00	600	3672.00			Gigabit Ethernet
231	Industrial Classified	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.06 GHz	Industry	United States	2004	1872.00	600	3672.00			Gigabit Ethernet
232	Industrial Classified	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.06 GHz	Industry	United States	2004	1872.00	600	3672.00			Gigabit Ethernet
233	Industrial Classified	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.06 GHz	Industry	United States	2004	1872.00	600	3672.00			Gigabit Ethernet
234	Industrial Classified	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.06 GHz	Industry	United States	2004	1872.00	600	3672.00			Gigabit Ethernet
235	Instituto Nacional de Meteorologia	Cray Inc.	Cray X1E	Research	Spain	2005	1860.60	124	2241.92			Crossbar
236	National Centers for Environmental Prediction	IBM	pSeries 690 Turbo 1.3GHz	Research	United States	2002	1849.00	704	3660.80	240000	32500	SP Switch
237	National Centers for Environmental Prediction	IBM	pSeries 690 Turbo 1.3GHz	Research	United States	2002	1849.00	704	3660.80	240000	32500	SP Switch
238	Financial Institution	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.2 GHz	Industry	France	2005	1831.70	512	3276.80			Gigabit Ethernet
239	DOE/Bettis Atomic Power Laboratory	Atipa Technology	Itanium2 1.3 GHz, Myrinet	Research	United States	2004	1820.00	536	2787.00	470016	80000	Myrinet
240	DOE/Knolls Atomic Power Laboratory	Atipa Technology	Itanium2 1.3 GHz, Myrinet	Research	United States	2004	1820.00	536	2787.00	470016	80000	Myrinet
241	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	1817.26	546	3057.60			Gigabit Ethernet
242	University at Buffalo, SUNY, Center for Computational Res.	IBM	BladeCenter Xeon 2.8 GHz, Gig-Ethernet	Academic	United States	2004	1817.26	546	3057.60			Gigabit Ethernet
243	SARA (Stichting Academisch Rekencentrum)	SGI	SGI Altix 1.3 GHz	Academic	Netherlands	2003	1793.00	416	2163.00	298799		NUMAlink
244	DaimlerChrysler	NEC	Opteron 2.0 GHz, GigE	Industry	Germany	2004	1778.00	896	3584.00	213000		Gigabit Ethernet
245	KISTI Supercomputing Center	IBM	xSeries Xeon 2.8 GHz - Myrinet	Research	Korea, South	2004	1762.00	512	2867.00	240000	37000	Myrinet
246	KISTI Supercomputing Center	IBM	pSeries 690 Turbo 1.7 GHz	Research	Korea, South	2003	1760.00	544	3699.20	400000		SP Switch
247	Semiconductor Company (C)	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Industry	United States	2003	1755.00	1834	8803.20			Gigabit Ethernet
248	Compagnie Generale de Geophysique (CGG)	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Industry	United Kingdom	2003	1755.00	1100	5280.00			Gigabit Ethernet
249	Arizona State University/TGEN	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Academic	United States	2003	1755.00	1048	5030.40			Gigabit Ethernet
250	Paradigm Geophysical	IBM	BladeCenter Cluster Xeon 2.4 GHz, Gig-Ethernet	Research	United States	2003	1755.00	1024	4915.20	335000	41600	Gigabit Ethernet
251	TotalFinaElf	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Industry	France	2003	1755.00	1024	4915.20	335000	41600	Gigabit Ethernet
252	Cingular Wireless	Hewlett-Packard	Integrity Superdome, Itanium2 1.5 GHz, HyperPlex	Industry	United States	2005	1751.00	640	3840.00			Myrinet
253	Government	Hewlett-Packard	Integrity Superdome, Itanium2 1.5 GHz, HyperPlex	Classified	United Kingdom	2005	1751.00	512	3072.00			Myrinet
254	Sandia National Laboratories	Hewlett-Packard	Cluster Platform 3000 DL360G4 Xeon 3.4 GHz, Myrine	Research	United States	2005	1750.00	512	3481.60			Myrinet
255	Cingular Wireless	Hewlett-Packard	SuperDome 1 GHz/HyperPlex	Industry	United States	2005	1732.60	768	3072.00			Myrinet
256	Compagnie Generale de Geophysique (CGG)	IBM	BladeCenter Cluster Xeon 2.8 GHz, Gig-Ethernet	Industry	United Kingdom	2003	1732.46	520	2912.00			Gigabit Ethernet
257	Calyon	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.2 GHz	Industry	France	2005	1729.20	530	3392.00			Gigabit Ethernet
258	Calyon	Hewlett-Packard	Blade Cluster BL-20P, Pentium4 Xeon 3.2 GHz	Industry	France	2005	1729.20	530	3392.00			Gigabit Ethernet

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
259	University of Wales Swansea, Institute of Life Science	IBM	eServer pSeries 690 (1.9 GHz Power4+)	Academic	United Kingdom	2005	1714.00	352	2675.20	372000		SP Switch
260	University of Tokyo	Hitachi	SR8000/MPP	Academic	Japan	2001	1709.10	1152	2074.00	141000	16000	Crossbar
261	IBM - Deep Computing Capacity on Demand Center	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2005	1706.37	512	2867.20			Gigabit Ethernet
262	IBM - Deep Computing Capacity on Demand Center	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2005	1706.37	512	2867.20			Gigabit Ethernet
263	Petroleum Company (F)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	Netherlands	2004	1706.37	512	2867.20			Gigabit Ethernet
264	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2003	1699.85	510	2856.00			Gigabit Ethernet
265	Cray Inc.	Cray Inc.	Cray X1E (1 GHz)	Vendor	United States	2005	1686.00	124	1984.00			Crossbar
266	SG SGBI	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Industry	France	2003	1685.49	968	4646.40			Gigabit Ethernet
267	Media & Entertainment (B)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	1667.23	500	2800.00			Gigabit Ethernet
268	Life Science (C)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1657.09	400	2560.00			Gigabit Ethernet
269	US Navy	IBM	HS20, Xeon EM64T 3.2 GHz - Gig-Ethernet	Classified	United States	2005	1657.09	400	2560.00			Gigabit Ethernet
270	US Navy	IBM	HS20, Xeon EM64T 3.2 GHz - Gig-Ethernet	Classified	United States	2005	1657.09	400	2560.00			Gigabit Ethernet
271	US Navy	IBM	HS20, Xeon EM64T 3.2 GHz - Gig-Ethernet	Classified	United States	2005	1657.09	400	2560.00			Gigabit Ethernet
272	US Navy	IBM	HS20, Xeon EM64T 3.2 GHz - Gig-Ethernet	Classified	United States	2005	1657.09	400	2560.00			Gigabit Ethernet
273	Leibniz Rechenzentrum	Hitachi	SR8000-F1/168	Academic	Germany	2002	1653.00	168	2016.00	160000	19560	Crossbar
274	Semiconductor Company (C)	IBM	xSeries Xeon 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1652.20	440	2816.00			Gigabit Ethernet
275	Semiconductor Company (C)	IBM	xSeries Xeon 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1652.20	440	2816.00			Gigabit Ethernet
276	Media & Entertainment (A)	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	1652.20	440	2692.80			Gigabit Ethernet
277	Fleet Numerical Meteorology and Oceanography Center	IBM	xSeries Xeon 2.8 GHz - Myrinet	Research	United States	2004	1649.71	478	2676.80			Myrinet
278	Semiconductor Company (C)	IBM	xSeries Cluster Xeon 2.8 GHz - Gig-Ethernet	Industry	United States	2004	1647.66	494	2766.40			Gigabit Ethernet
279	Manufacturer (G)	IBM	eServer pSeries 655 (1.7 GHz Power4+, GigE)	Industry	United States	2004	1636.00	1152	7833.60			Gigabit Ethernet
280	Manufacturer (G)	IBM	eServer pSeries 655 (1.7 GHz Power4+, GigE)	Industry	United States	2004	1636.00	1152	7833.60			Gigabit Ethernet
281	CNRS/IDRIS	IBM	eServer pSeries 690 (1.7 GHz Power4+)	Academic	France	2004	1630.00	384	2611.20			SP Switch
282	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
283	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
284	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
285	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
286	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
287	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
288	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
289	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
290	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
291	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
292	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
293	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1627.20	392	2508.80			Gigabit Ethernet
294	Semiconductor Company (C)	IBM	xSeries Xeon 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1622.00	432	2764.80			Gigabit Ethernet
295	Semiconductor Company (C)	IBM	xSeries Xeon 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1622.00	432	2764.80			Gigabit Ethernet
296	Semiconductor Company (C)	IBM	xSeries Xeon 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1622.00	432	2764.80			Gigabit Ethernet
297	Media & Entertainment (A)	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	1614.65	430	2631.60			Gigabit Ethernet
298	Media & Entertainment (A)	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	1614.65	430	2631.60			Gigabit Ethernet
299	Los Alamos National Laboratory	SGI	ASCI Blue Mountain	Research	United States	1998	1608.00	6144	3072.00	374400	138000	HIPPI
300	Veritas DGC	Verari Systems	Opteron 2.2 GHz, GigE	Industry	United States	2004	1580.00	992	4364.80	475000	300000	Gigabit Ethernet
301	GX Technology	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Industry	United States	2003	1576.25	880	4224.00			Gigabit Ethernet

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
302	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz - Gig-Ethernet	Industry	United States	2004	1575.31	472	2643.20			Gigabit Ethernet
303	Scientific Supercomputing Center Karlsruhe	Hewlett-Packard	Cluster Platform 6000 rx2600 Itanium2 1.5 GHz, Qua	Academic	Germany	2005	1572.50	312	1872.00			Quadrics
304	Petroleum Company (G)	Hewlett-Packard	Cluster Platform 3000 DL360G3 Xeon 3.06 GHz Myrine	Industry	Saudia Arabia	2004	1547.10	320	1958.40			Myrinet
305	Geoscience (A)	IBM	BladeCenter Xeon 3.06 GHz, Gig-Ethernet	Industry	China	2004	1547.06	412	2521.44			Gigabit Ethernet
306	Ford Motor Company	IBM	eServer Opteron 2.2 GHz. Myrinet	Industry	United States	2004	1538.59	512	2252.80			Myrinet
307	University of Minnesota/Supercomputing Institute	SGI	SGI Altix 3700 Bx2, 1.6 GHz, NUMALink	Academic	United States	2005	1530.92	256	1638.40			NUMAlink
308	Semiconductor Company (D)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	Israel	2005	1530.04	366	2342.40			Gigabit Ethernet
309	Semiconductor Company (D)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	Israel	2005	1530.04	366	2342.40			Gigabit Ethernet
310	IBM - Deep Computing Capacity on Demand Center	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	1524.53	406	2484.72			Gigabit Ethernet
311	IBM - Deep Computing Capacity on Demand Center	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	1524.53	406	2484.72			Gigabit Ethernet
312	IBM - Deep Computing Capacity on Demand Center	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	1524.53	406	2484.72			Gigabit Ethernet
313	IBM - Deep Computing Capacity on Demand Center	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	1524.53	406	2484.72			Gigabit Ethernet
314	Oracle Corporation	Hewlett-Packard	Cluster Platform 3000 DL380G3, Pentium4 Xeon 2.8 G	Industry	United States	2004	1519.60	468	2620.80			Myrinet
315	Oracle Corporation	Hewlett-Packard	Cluster Platform 3000 DL380G3, Pentium4 Xeon 2.8 G	Industry	United States	2004	1519.60	468	2620.80			Myrinet
316	Oracle Corporation	Hewlett-Packard	Cluster Platform 3000 DL380G3, Pentium4 Xeon 2.8 G	Industry	United States	2004	1519.60	468	2620.80			Myrinet
317	Semiconductor Company (I)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1518.14	414	2980.80			Gigabit Ethernet
318	Semiconductor Company (I)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1518.14	414	2980.80			Gigabit Ethernet
319	Semiconductor Company (I)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1518.14	414	2980.80			Gigabit Ethernet
320	Semiconductor Company (I)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1518.14	414	2980.80			Gigabit Ethernet
321	Semiconductor Company (I)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1518.14	414	2980.80			Gigabit Ethernet
322	Semiconductor Company (I)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1518.14	414	2980.80			Gigabit Ethernet
323	Semiconductor Company (I)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1518.14	414	2980.80			Gigabit Ethernet
324	University of Shanghai	Hewlett-Packard	Cluster Platform 3000 DL360G3 Xeon 3.06 GHz, Infin	Academic	China	2005	1511.00	352	2154.00			Infiniband
325	Sandia National Laboratories	Dell	Vplant Cluster P4 XEON 2.4/2.0 GHz - Myrinet	Research	United States	2002	1504.00	660	2963.00	160000		Myrinet
326	Cornell Theory Center	Dell	PowerEdge 2650 Cluster P4 Xeon 2.4 GHz/MSWindows -	Academic	United States	2003	1503.00	640	3073.00	230400		Gigabit Ethernet
327	Petroleum Company (G)	IBM	xSeries Xeon 3.2 GHz - Gig-Ethernet	Industry	Saudia Arabia	2004	1502.00	400	2560.00			Gigabit Ethernet
328	Eltra	IBM	BladeCenter HS20 Xeon 3.06 GHz, Gig-Ethernet	Industry	Israel	2004	1502.00	400	2448.00			Gigabit Ethernet
329	Sony Online Gaming	IBM	BladeCenter Xeon 3.06 GHz, Gig-Ethernet	Industry	United States	2004	1502.00	400	2448.00			Gigabit Ethernet
330	Semiconductor Company (F)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	India	2005	1485.19	354	2265.60			Gigabit Ethernet
331	DKRZ - Deutsches Klimarechenzentrum	NEC	SX-6/192M24	Research	Germany	2003	1484.00	192	1536.00	200064	15744	Crossbar
332	CNRS/IDRIS	IBM	eServer pSeries 655 - 4way (1.7 GHz Power4+)	Academic	France	2004	1477.00	384	2611.20	174000	40000	SP Switch
333	Verisign	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Industry	United States	2003	1476.94	800	3840.00			Gigabit Ethernet
334	Semiconductor Company (D)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	Israel	2005	1470.24	350	2240.00			Gigabit Ethernet
335	Semiconductor Company (D)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	Israel	2005	1470.24	350	2240.00			Gigabit Ethernet
336	Semiconductor Company (D)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	Israel	2005	1470.24	350	2240.00			Gigabit Ethernet
337	Telecom Italia	Hewlett-Packard	SuperDome 1 GHz/HPlex	Industry	Italy	2005	1461.30	640	2560.00	491736		Myrinet
338	Altria Group - Philip Morris Management	IBM	pSeries 690 Turbo 1.3GHz	Industry	United States	2004	1456.00	512	2662.40	200000		SP Switch
339	University of Toronto	Self-made	PowerRACK-HX dual Xeon 2.4 GHz - SMC GigE	Academic	Canada	2003	1455.00	528	2534.40	170000	80000	Gigabit Ethernet
340	Telkom SA	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	South Africa	2004	1451.50	384	2304.00			Myrinet
341	Universidad Politecnica Madrid	IBM	eServer BladeCenter JS20 (PowerPC970 2.2 GHz), Myr	Academic	Spain	2005	1451.40	248	2182.40			Myrinet
342	University of Alaska - ARSC	Cray Inc.	Cray X1	Academic	United States	2003	1448.42	124	1587.20			Crossbar
343	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1447.81	344	2201.60			Gigabit Ethernet
344	Marathon Oil Company	SGI	SGI Altix 3700 Bx2, 1.5 GHz, Numalink	Industry	United States	2005	1440.00	256	1536.00			NUMAlink

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345	NOAA/Geophysical Fluid Dynamics Laboratory (GFDL)	SGI	SGI Altix 3700 Bx2, 1.5 GHz, Numalink	Research	United States	2005	1440.00	256	1536.00			NUMAlink
346	NOAA/Geophysical Fluid Dynamics Laboratory (GFDL)	SGI	SGI Altix 3700 Bx2, 1.5 GHz, Numalink	Research	United States	2005	1440.00	256	1536.00			NUMAlink
347	Idaho National Engineering Laboratory	Sun Microsystems	Fire V20z Cluster, Opteron 2.2 GHz, GigEthernet	Research	United States	2004	1439.00	460	2024.00	322000		Gigabit Ethernet
348	Japan Adv. Inst. of Science and Technology (JAIST)	Cray Inc.	Cray XT3, 2.4 GHz	Academic	Japan	2005	1429.00	360	1728.00			Cray Interconnect
349	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	1428.54	428	2396.80			Gigabit Ethernet
350	IBM	IBM	pSeries 690 Turbo 1.7 GHz GigEth	Vendor	United States	2003	1424.00	384	2611.20	325000		Gigabit Ethernet
351	Geoscience (B)	IBM	BladeCenter HS20 Xeon 3.06 GHz, Gig-Ethernet	Research	India	2005	1419.39	378	2313.36			Gigabit Ethernet
352	Geoscience (B)	IBM	BladeCenter HS20 Xeon 3.06 GHz, Gig-Ethernet	Research	India	2005	1419.39	378	2313.36			Gigabit Ethernet
353	Energy Company	Hewlett-Packard	Cluster Platform 6000 rx4640-4x136 Itanium2 1.3 GH	Industry	United States	2003	1418.00	544	2828.80			Gigabit Ethernet
354	Semiconductor Company (H)	IBM	xSeries, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	United States	2005	1417.92	336	2150.40			Gigabit Ethernet
355	BMW AG	Hewlett-Packard	rx44440-8	Industry	Germany	2005	1417.00	656	2624.00			Gigabit Ethernet
356	Naval Oceanographic Office (NAVOCEANO)	IBM	SP Power3 375 MHz	Research	United States	2000	1417.00	1336	2004.00	374000		SP Switch
357	Los Alamos National Laboratory	SGI	SGI Altix 3700, 1.6 GHz, NUMALink	Research	United States	2005	1409.02	256	1638.40			NUMAlink
358	Naval Research Laboratory (NRL)	SGI	SGI Altix 3700, 1.6 GHz, NUMALink	Research	United States	2005	1409.02	256	1638.40			NUMAlink
359	CEG Gramat	SGI	SGI Altix 1.5 GHz	Industry	France	2004	1409.02	256	1536.00			NUMAlink
360	NOAA/Geophysical Fluid Dynamics Laboratory (GFDL)	SGI	SGI Altix 1.5 GHz	Research	United States	2004	1409.02	256	1536.00			NUMAlink
361	NOAA/Geophysical Fluid Dynamics Laboratory (GFDL)	SGI	SGI Altix 1.5 GHz	Research	United States	2004	1409.02	256	1536.00			NUMAlink
362	Oak Ridge National Laboratory	SGI	SGI Altix 1.5 GHz	Research	United States	2003	1409.02	256	1536.00			NUMAlink
363	US Army Research Laboratory (ARL)	SGI	SGI Altix 1.5 GHz	Research	United States	2004	1409.02	256	1536.00			NUMAlink
364	Beijing University	Hewlett-Packard	Cluster Platform 3000 DL360G4 Xeon 3.2 GHz, Infini	Academic	China	2005	1399.70	270	1728.00			Infiniband
365	Telkom SA	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	South Africa	2004	1396.60	320	1920.00			Myrinet
366	Robert Bosch	Hewlett-Packard	Cluster Platform 3000 DL360G4 Xeon 3.4 GHz, GigEth	Industry	Germany	2005	1395.40	360	2448.00			Gigabit Ethernet
367	Mississippi State University	IBM	xSeries Xeon 3.06 GHz - Infiniband	Academic	United States	2004	1389.00	384	2350.00	120000		Infiniband
368	HLRN at Universitaet Hannover / RRZN	IBM	pSeries 690 Turbo 1.3GHz	Academic	Germany	2004	1384.00	512	2662.40	200000		SP Switch
369	HLRN at ZIB/Konrad Zuse-Zentrum fuer Informationstechnik	IBM	pSeries 690 Turbo 1.3GHz	Academic	Germany	2004	1384.00	512	2662.40	200000		SP Switch
370	Acxiom	Hewlett-Packard	Cluster Platform 3000 DL360G3, Xeon 3.2 GHz, Myrin	Industry	United States	2004	1382.00	400	2560.00			Myrinet
371	National Institute for Fusion Science	NEC	SX-7/160M5	Research	Japan	2003	1378.00	160	1412.80	200000	15200	Crossbar
372	Government	Hewlett-Packard	CP6000 rx1620, Itanium2 1.6 GHz, Quadrics	Classified	United States	2005	1374.00	244	1561.60			Quadrics
373	University of Kentucky	Hewlett-Packard	Cluster Platform 3000 DL140 Xeon 3.4 GHz Myrinet	Academic	United States	2005	1369.30	256	1740.80			Myrinet
374	Raytheon	IBM	BladeCenter Xeon 3.06 GHz, Gig-Ethernet	Industry	United States	2003	1366.82	364	2227.68			Gigabit Ethernet
375	Raytheon/JPL	IBM	xSeries Cluster Xeon 3.06 GHz - Gig-E	Research	United States	2005	1366.82	364	2227.68			Gigabit Ethernet
376	HP Financial Services	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Germany	2004	1363.20	320	1920.00			Myrinet
377	Hewlett-Packard	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Vendor	United States	2004	1363.20	320	1920.00			Myrinet
378	Hewlett-Packard	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Vendor	United States	2004	1363.20	320	1920.00			Myrinet
379	University of Arkansas	Dell	PowerEdge 1850, 3.2 GHz, Infiniband	Academic	United States	2005	1349.00	256	1638.00	220440	110220	Infiniband
380	Biotech Company (A)	IBM	BladeCenter Xeon 2.8 GHz, Gig-Ethernet	Industry	United Kingdom	2004	1335.13	400	2240.00			Gigabit Ethernet
381	Semiconductor Company (H)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1334.79	364	2620.80			Gigabit Ethernet
382	Semiconductor Company (H)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1334.79	364	2620.80			Gigabit Ethernet
383	Semiconductor Company (H)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1334.79	364	2620.80			Gigabit Ethernet
384	France Telecom	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	France	2005	1330.60	704	2464.00			Myrinet
385	Hutchison H3G	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Italy	2005	1330.60	704	2464.00			Myrinet
386	Youngwoo	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Korea, South	2005	1330.60	704	2464.00			Myrinet
387	Banco Azteca	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Mexico	2004	1330.60	352	2112.00			Myrinet

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388	Umea University / HPC2N	Hewlett-Packard	HP Opteron 2.2 GHz, Myrinet	Academic	Sweden	2004	1329.00	384	1689.60	422400	31000	Myrinet
389	Semiconductor Company (H)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1327.46	362	2606.40			Gigabit Ethernet
390	Semiconductor Company (H)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1327.46	362	2606.40			Gigabit Ethernet
391	Semiconductor Company (H)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1327.46	362	2606.40			Gigabit Ethernet
392	Semiconductor Company (H)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1327.46	362	2606.40			Gigabit Ethernet
393	Semiconductor Company (H)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1327.46	362	2606.40			Gigabit Ethernet
394	The University of Florida High-Performance Computing Center	Dell	PowerEdge 1750, Pentium4 Xeon 2.8 GHz, GigE	Academic	United States	2004	1325.00	400	2240.00	210410	61500	Gigabit Ethernet
395	Pennsylvania State University	Dell	PowerEdge 1750, P4 Xeon 3.06 GHz, Myrinet	Academic	United States	2004	1319.67	336	2056.32			Myrinet
396	SDH	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Germany	2004	1316.70	288	1728.00			Myrinet
397	Williams Information Technology	IBM	BladeCenter Xeon 3.2 GHz, Gig-Ethernet	Industry	Saudia Arabia	2005	1314.25	350	2240.00			Gigabit Ethernet
398	SBC Service Inc	Hewlett-Packard	SuperDome 1 GHz/HyperPlex	Industry	United States	2005	1313.30	576	2304.00			Myrinet
399	Verizon	Hewlett-Packard	SuperDome 1 GHz/HyperPlex	Industry	United States	2005	1313.30	576	2304.00			Myrinet
400	Semiconductor Company (C)	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Industry	United States	2004	1310.61	666	3196.80			Gigabit Ethernet
401	Consumer Goods	IBM	eServer pSeries 690 (1.7 GHz Power4+, GigE)	Industry	Australia	2004	1305.33	352	2393.60			Gigabit Ethernet
402	Airbus	Hewlett-Packard	CP 6000 rx2600 Itanium2 1.3 GHz, GigEthernet	Industry	Germany	2005	1302.90	464	2412.80			Gigabit Ethernet
403	Academy of Mathematics and System Science	lenovo	DeepComp 1800 - P4 Xeon 2 GHz - Myrinet	Academic	China	2002	1297.00	512	2048.00	172000		Myrinet
404	DLR	Sun Microsystems	Fire V20z Cluster, Opteron 2.4 GHz, Infiniband	Research	Germany	2005	1297.00	384	1843.00	132000		Infiniband
405	Joint Supercomputer Center	Hewlett-Packard	CP6000 rx2600 Itanium2 1.5 GHz, Myrinet	Academic	Russia	2005	1293.00	256	1536.00			Myrinet
406	US Government Classified (A)	Hewlett-Packard	Cluster Platform 6000 zx6000 Itanium2 1.5 GHz, Myr	Research	United States	2004	1293.00	256	1536.00			Myrinet
407	Semiconductor Company (G)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1290.79	352	2534.40			Gigabit Ethernet
408	Manufacturing Company (F)	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Italy	2004	1287.40	288	1728.00			Myrinet
409	SBM Gates Arrow Com.	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	United States	2004	1287.40	288	1728.00			Myrinet
410	Tech Pacific Exports C	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	India	2004	1287.40	288	1728.00			Myrinet
411	Telecom SKT	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Korea, South	2004	1287.40	288	1728.00			Myrinet
412	Semiconductor Company (G)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1283.46	350	2520.00			Gigabit Ethernet
413	Seoul National University	Self-made	Pegasus P4 Xeon Cluster 2.2/2.4/2.8 GHz - Giganet	Academic	Korea, South	2004	1283.00	520	2557.00	260000		Giganet
414	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz - Gig-Ethernet	Industry	United States	2004	1281.76	384	2150.40			Gigabit Ethernet
415	Digital China Ltd.	Hewlett-Packard	SuperDome 1 GHz/HPlex	Industry	China	2004	1280.97	560	2240.00			Myrinet
416	EDS	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	United Kingdom	2005	1276.70	640	2240.00			Myrinet
417	EDS	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	United Kingdom	2005	1276.70	640	2240.00			Myrinet
418	Government	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Classified	United Kingdom	2005	1276.70	640	2240.00			Myrinet
419	OpenPSL Ltd.	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	United Kingdom	2004	1276.70	640	2240.00			Myrinet
420	PCS Trading	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	India	2005	1276.70	640	2240.00			Myrinet
421	Telecom Italia	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Italy	2004	1276.70	640	2240.00			Myrinet
422	Telecom Italia	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Italy	2004	1276.70	640	2240.00			Myrinet
423	Telecom Italia	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Italy	2004	1276.70	640	2240.00			Myrinet
424	Telecom Italia	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Italy	2004	1276.70	640	2240.00			Myrinet
425	Semiconductor Company (C)	IBM	xSeries Xeon 3.2 GHz - Gig-Ethernet	Industry	United States	2004	1276.70	340	2176.00			Gigabit Ethernet
426	SBC Service Inc	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	United States	2005	1270.10	672	2352.00			Myrinet
427	Texas Advanced Computing Center/Univ. of Texas	Dell	PowerEdge 1850, 3.2 GHz, Myrinet	Academic	United States	2005	1269.00	256	1638.00	241920		Myrinet
428	University Bonn	Dell	PowerEdge 1850, 3.2 GHz, Myrinet	Academic	Germany	2005	1269.00	256	1638.00	241920		Myrinet
429	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1268.79	346	2491.20			Gigabit Ethernet
430	Deutsche Telekom AG	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Germany	2004	1263.30	640	2240.00			Myrinet

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
431	Fujitsu Services	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	United Kingdom	2005	1263.30	640	2240.00			Myrinet
432	Hutchison H3G	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	United Kingdom	2005	1263.30	640	2240.00			Myrinet
433	Magirus International	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Germany	2005	1263.30	640	2240.00			Myrinet
434	Verizon	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	United States	2005	1263.30	640	2240.00			Myrinet
435	Vodafone (KK) Chuo	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Japan	2004	1263.30	640	2240.00			Myrinet
436	Vodafone (KK) Chuo	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Japan	2004	1263.30	640	2240.00			Myrinet
437	Zungwon	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Korea, South	2005	1263.30	640	2240.00			Myrinet
438	Financial Services (H)	IBM	BladeCenter Xeon 3.06 GHz, Gig-Ethernet	Industry	United States	2004	1261.68	336	2056.32			Gigabit Ethernet
439	Semiconductor Company (J)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1261.46	344	2476.80			Gigabit Ethernet
440	Public Sector	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Government	China	2003	1255.99	622	2985.60			Gigabit Ethernet
441	University of Houston	Hewlett-Packard	Cluster Platform 6000 rx2600 Itanium2 1.3 GHz Clus	Academic	United States	2003	1253.00	304	1580.00			Myrinet
442	SK Global	Hewlett-Packard	SuperDome 1 GHz/HyperPlex	Industry	Korea, South	2005	1242.50	544	2176.00			Myrinet
443	Geoscience (E)	IBM	HS20 Cluster, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	Egypt	2005	1232.12	336	2419.20			Gigabit Ethernet
444	DaimlerChrysler	IBM	xSeries Xeon 3.06 GHz, Myrinet	Industry	Germany	2004	1231.05	260	1591.20			Myrinet
445	Societe Generale	Hewlett-Packard	Cluster Platform 3000 DL360G3, Xeon 3.2 GHz, GigEt	Industry	France	2004	1228.00	320	2048.00			Gigabit Ethernet
446	Cambridge University	Sun Microsystems	Fire 15K 1.2 GHz	Academic	United Kingdom	2002	1226.40	900	2160.00			Fireplane
447	Financial Institution (C)	IBM	xSeries, Xeon EM64T 3.6 GHz - Gig-Ethernet	Industry	United States	2005	1217.45	332	2390.40			Gigabit Ethernet
448	MTU Aero Engines	IBM	xSeries Xeon 3.06 GHz, Myrinet	Industry	Germany	2004	1215.31	256	1566.72			Myrinet
449	University of Liverpool	Dell	PowerEdge 650, 3.06 GHz, Gig Ethernet	Academic	United Kingdom	2003	1212.00	940	5752.80	210000		Gigabit Ethernet
450	BMW AG	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Germany	2005	1210.00	256	1536.00			Myrinet
451	BMW AG	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Germany	2005	1210.00	256	1536.00			Myrinet
452	BMW AG	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Germany	2005	1210.00	256	1536.00			Myrinet
453	Carrefour	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Spain	2004	1210.00	256	1536.00			Myrinet
454	Ericsson	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Sweden	2004	1210.00	256	1536.00			Myrinet
455	Hewlett-Packard	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Vendor	United States	2004	1210.00	256	1536.00			Myrinet
456	Hewlett-Packard	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Vendor	United States	2004	1210.00	256	1536.00			Myrinet
457	Hewlett-Packard	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Vendor	United States	2004	1210.00	256	1536.00			Myrinet
458	Hewlett-Packard	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Vendor	United States	2004	1210.00	256	1536.00			Myrinet
459	Hewlett-Packard	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Vendor	United States	2004	1210.00	256	1536.00			Myrinet
460	Hewlett-Packard	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Vendor	United States	2004	1210.00	256	1536.00			Myrinet
461	Humantel	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Portugal	2004	1210.00	256	1536.00			Myrinet
462	Instituto Latinoamericano	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Academic	Mexico	2004	1210.00	256	1536.00			Myrinet
463	Itellium Systems	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Germany	2005	1210.00	256	1536.00			Myrinet
464	Logistics Group	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Germany	2005	1210.00	256	1536.00			Myrinet
465	SARL International	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Germany	2004	1210.00	256	1536.00			Myrinet
466	SBM Gates Arrow Com.	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	United States	2004	1210.00	256	1536.00			Myrinet
467	Saxony Developments Ltd	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	China	2005	1210.00	256	1536.00			Myrinet
468	University of Kentucky	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Academic	United States	2005	1210.00	256	1536.00			Myrinet
469	Semiconductor Company (C)	IBM	xSeries Xeon 3.06 GHz - Gig-E	Industry	United States	2004	1209.11	322	1970.64			Gigabit Ethernet
470	Bank (H)	IBM	HS20 Cluster, Xeon EM64T 3.2 GHz - Gig-Ethernet	Industry	Germany	2005	1208.64	280	1792.00			Gigabit Ethernet
471	Bear Stearns	Hewlett-Packard	DL560, Pentium4 Xeon 2.6 GHz, Myrinet	Industry	United States	2004	1206.00	400	2080.00			Myrinet
472	Amdocs	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	United States	2005	1203.60	608	2128.00			Myrinet
473	Centrica Plc	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	United Kingdom	2005	1203.60	608	2128.00			Myrinet

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
474	SberBank	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Russia	2005	1203.60	608	2128.00			Myrinet
475	Vodafone	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	United Kingdom	2005	1203.60	608	2128.00			Myrinet
476	Zungwon	Hewlett-Packard	SuperDome 875 MHz/HyperPlex	Industry	Korea, South	2005	1203.60	608	2128.00			Myrinet
477	BellSouth	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	United States	2004	1198.10	256	1536.00			Myrinet
478	CANTV/GTE	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Venezuela	2004	1198.10	256	1536.00			Myrinet
479	HP Financial Services	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	United States	2004	1198.10	256	1536.00			Myrinet
480	Hitachi	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Japan	2004	1198.10	256	1536.00			Myrinet
481	SARL International	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Germany	2004	1198.10	256	1536.00			Myrinet
482	SDH	Hewlett-Packard	Integrity Superdome, 1.5 GHz, HPlex	Industry	Germany	2004	1198.10	256	1536.00			Myrinet
483	Semiconductor Company (F)	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Industry	India	2003	1196.41	574	2755.20			Gigabit Ethernet
484	US Navy	IBM	HS20 Cluster, Xeon EM64T 3.2 GHz - Myrinet	Classified	United States	2005	1196.00	252	1612.80	160922		Myrinet
485	US Navy	IBM	HS20 Cluster, Xeon EM64T 3.2 GHz - Myrinet	Classified	United States	2005	1196.00	252	1612.80	160922		Myrinet
486	US Navy	IBM	HS20 Cluster, Xeon EM64T 3.2 GHz - Myrinet	Classified	United States	2005	1196.00	252	1612.80	160922		Myrinet
487	US Navy	IBM	HS20 Cluster, Xeon EM64T 3.2 GHz - Myrinet	Classified	United States	2005	1196.00	252	1612.80	160922		Myrinet
488	Lawrence Livermore National Laboratory	IBM	SP Power3 375 MHz 16 way	Research	United States	2001	1193.00	1088	1632.00			SP Switch
489	Osaka University	NEC	SX-5/128M8 3.2ns	Academic	Japan	2001	1192.00	128	1280.00	129536	10240	Crossbar
490	Chartered Semiconductor Manufacturing	Hewlett-Packard	Cluster Platform 4000 DL145 Opteron 2.2 GHz Myrine	Industry	Singapore	2005	1191.20	384	1689.60			Myrinet
491	University of Hong Kong	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Academic	Hong Kong	2005	1186.19	358	2004.80			Gigabit Ethernet
492	Semiconductor Company (C)	IBM	xSeries Xeon 2.8 GHz, Gig-Ethernet	Industry	United States	2004	1181.68	354	1982.40			Gigabit Ethernet
493	Petroleum Company (G)	IBM	xSeries Cluster Xeon 2.4 GHz - Gig-E	Industry	Saudia Arabia	2003	1181.51	562	2697.60			Gigabit Ethernet
494	Hewlett-Packard	Hewlett-Packard	SuperDome 1 GHz/HPlex	Vendor	United States	2004	1172.80	512	2048.00	491736	165780	Myrinet
495	Samsung SDS	Hewlett-Packard	SuperDome 1 GHz/HPlex	Industry	Korea, South	2005	1172.80	512	2048.00	491736	165780	Myrinet
496	Saxony Developments Ltd	Hewlett-Packard	SuperDome 1 GHz/HPlex	Industry	China	2005	1172.80	512	2048.00	491736	165780	Myrinet
497	CSC (Center for Scientific Computing)	IBM	pSeries 690 1.1GHz	Academic	Finland	2002	1170.00	512	2253.00			SP Switch
498	Florida State University	IBM	pSeries 690 1.1GHz	Academic	United States	2002	1170.00	512	2253.00			SP Switch
499	Doshisha University	Visual Technology	Opteron 1.8 GHz, Gig Ethernet	Academic	Japan	2003	1169.00	512	1843.20	220000	59000	Gigabit Ethernet
500	Government	Cray Inc.	T3E1200	Classified	United States	2001	1166.00	1900	2280.00	230016		Cray Interconnect