

Monthly Reporting

Report from 01 June 2017 to 30 June 2017

Report for Resource Pool XC on ARCHER

A total of 1,275,263.997 kAU were available during this period.

Use and Allocations (by Project)

In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend profile of the total Allocation. If the usage for a project is not linear across the full Allocation period then the Use can be larger than the extrapolated Allocation.

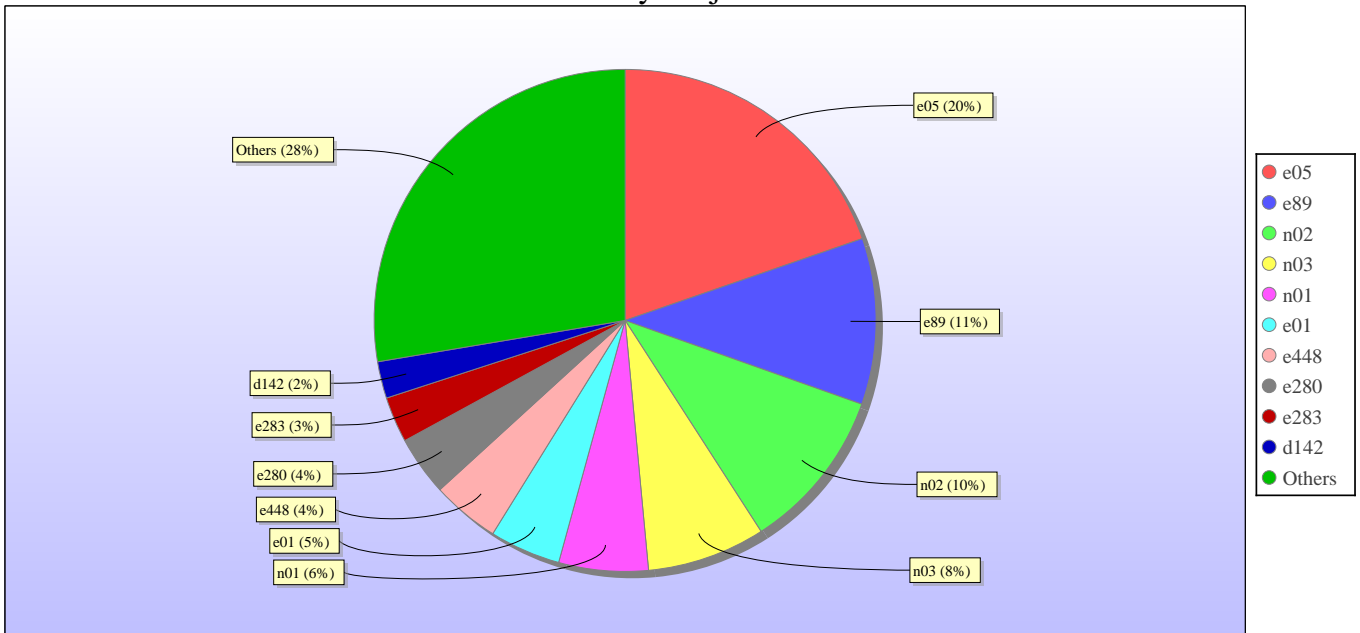
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	761	43,687.4	3.43%	50,792.1	3.98%	75,095.0	5.89%
e05	Consortia	19,160	217,710.0	17.07%	218,871.4	17.16%	212,319.9	16.65%
e89	Consortia	4,422	118,788.3	9.31%	118,817.0	9.32%	114,698.9	8.99%
e280	Consortia	2,464	42,561.7	3.34%	42,565.2	3.34%	38,777.1	3.04%
e281	Consortia	378	5,938.4	0.47%	5,940.0	0.47%	20,686.1	1.62%
e283	Consortia	1,032	32,675.5	2.56%	32,675.5	2.56%	16,420.8	1.29%
e305	Consortia	847	20,715.4	1.62%	20,731.8	1.63%	21,379.7	1.68%
e529	Consortia	175	11,969.7	0.94%	11,969.7	0.94%	13,210.7	1.04%
e426	Leadership Awards	0	0.0	0.00%	0.0	0.00%	11,604.9	0.91%
e453	Leadership Awards	29	16,261.3	1.28%	16,261.5	1.28%	5,542.2	0.43%
e461	Leadership Awards	411	10,593.1	0.83%	11,693.3	0.92%	8,289.2	0.65%
e462	Leadership Awards	227	8,100.7	0.64%	8,100.7	0.64%	7,084.4	0.56%
e464	Leadership Awards	810	10,721.7	0.84%	10,721.7	0.84%	9,625.6	0.75%
e465	Leadership Awards	23	1,639.3	0.13%	1,639.3	0.13%	10,198.5	0.80%
e466	Leadership Awards	56	9,007.2	0.71%	9,007.4	0.71%	13,760.1	1.08%
e467	Leadership Awards	20	138.7	0.01%	138.7	0.01%	9,210.7	0.72%
e507	Leadership Awards	106	2,881.3	0.23%	2,881.3	0.23%	9,947.0	0.78%
e509	Leadership Awards	35	7,561.1	0.59%	7,561.1	0.59%	18,196.7	1.43%
e510	Leadership Awards	134	401.4	0.03%	401.4	0.03%	8,150.3	0.64%
e526	Leadership Awards	0	0.0	0.00%	0.0	0.00%	4,144.6	0.32%
e539	Leadership Awards	9	1,553.6	0.12%	1,553.6	0.12%	8,483.6	0.67%
n07	Leadership Awards	1	16.3	0.00%	16.3	0.00%	4,932.8	0.39%
n08	Leadership Awards	90	11,160.3	0.88%	11,160.3	0.88%	11,914.6	0.93%
c01	Class1a	150	7,189.1	0.56%	7,189.1	0.56%	4,041.3	0.32%
e229	Class1a	0	0.0	0.00%	0.0	0.00%	448.6	0.04%
e272	Class1a	157	3,288.0	0.26%	3,288.0	0.26%	3,278.7	0.26%
e291	Class1a	0	0.0	0.00%	0.0	0.00%	194.8	0.02%
e300	Class1a	45	5,163.5	0.40%	5,163.6	0.40%	563.1	0.04%
e304	Class1a	161	3,875.0	0.30%	4,266.4	0.33%	5,087.2	0.40%
e341	Class1a	1	0.0	0.00%	0.0	0.00%	976.2	0.08%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e358	Class1a	21	0.9	0.00%	0.9	0.00%	724.7	0.06%
e365	Class1a	5	91.2	0.01%	91.2	0.01%	531.8	0.04%
e375	Class1a	0	0.0	0.00%	0.0	0.00%	2,772.4	0.22%
e378	Class1a	28	23.3	0.00%	23.3	0.00%	4,774.1	0.37%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	8,344.3	0.65%
e429	Class1a	13	1,302.8	0.10%	1,302.8	0.10%	5,802.4	0.45%
e431	Class1a	164	4,167.0	0.33%	4,167.0	0.33%	2,811.3	0.22%
e432	Class1a	155	7,853.2	0.62%	7,853.2	0.62%	4,808.7	0.38%
e446	Class1a	584	20,664.2	1.62%	20,664.2	1.62%	16,731.5	1.31%
e448	Class1a	8,289	48,600.2	3.81%	48,600.2	3.81%	40,707.2	3.19%
e451	Class1a	0	0.0	0.00%	0.0	0.00%	4,772.5	0.37%
e452	Class1a	0	0.0	0.00%	0.0	0.00%	498.1	0.04%
e475	Class1a	177	641.2	0.05%	641.2	0.05%	3,315.7	0.26%
e477	Class1a	13	840.0	0.07%	840.0	0.07%	4,144.6	0.32%
e480	Class1a	57	4,124.8	0.32%	4,124.8	0.32%	3,824.3	0.30%
e499	Class1a	21	895.0	0.07%	895.0	0.07%	10,569.2	0.83%
e513	Class1a	0	0.0	0.00%	0.0	0.00%	130.4	0.01%
e514	Class1a	0	0.0	0.00%	0.0	0.00%	81.5	0.01%
e515	Class1a	276	494.9	0.04%	494.9	0.04%	828.9	0.06%
e516	Class1a	157	11,988.4	0.94%	11,988.4	0.94%	12,183.0	0.96%
e518	Class1a	31	10.4	0.00%	10.4	0.00%	491.8	0.04%
e519	Class1a	307	2,014.6	0.16%	2,014.6	0.16%	8,196.7	0.64%
e520	Class1a	5	1,815.0	0.14%	1,815.0	0.14%	828.9	0.06%
e523	Class1a	0	0.0	0.00%	0.0	0.00%	3,315.7	0.26%
e527	Class1a	154	717.7	0.06%	717.7	0.06%	348.1	0.03%
e530	Class1a	10	620.4	0.05%	620.4	0.05%	491.8	0.04%
e537	Class1a	167	7,763.4	0.61%	7,765.2	0.61%	6,341.0	0.50%
e348	Direct Access: ARCHER RAP	124	1,632.1	0.13%	1,632.1	0.13%	1,643.8	0.13%
e483	Direct Access: ARCHER RAP	16	223.3	0.02%	223.3	0.02%	390.9	0.03%
e491	Direct Access: ARCHER RAP	49	2,734.0	0.21%	2,734.0	0.21%	984.7	0.08%
e492	Direct Access: ARCHER RAP	491	5,297.0	0.42%	5,321.8	0.42%	3,996.3	0.31%
e500	Direct Access: ARCHER RAP	1	172.7	0.01%	172.7	0.01%	0.0	0.00%
e501	Direct Access: ARCHER RAP	2	352.2	0.03%	352.2	0.03%	3,586.0	0.28%
e504	Direct Access: ARCHER RAP	16	1,171.9	0.09%	1,171.9	0.09%	973.4	0.08%
e505	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	463.8	0.04%
e522	Instant Access	80	1,136.4	0.09%	1,136.4	0.09%	198.9	0.02%
e525	Instant Access	0	0.0	0.00%	0.0	0.00%	196.4	0.02%
e528	Instant Access	0	0.0	0.00%	0.0	0.00%	198.9	0.02%
e531	Instant Access	0	0.0	0.00%	0.0	0.00%	195.7	0.02%
e532	Instant Access	0	0.0	0.00%	0.0	0.00%	188.9	0.01%
e533	Instant Access	6	16.3	0.00%	16.3	0.00%	196.7	0.02%
e534	Instant Access	0	0.0	0.00%	0.0	0.00%	196.7	0.02%
e535	Instant Access	0	0.0	0.00%	0.0	0.00%	196.7	0.02%
e536	Instant Access	67	550.6	0.04%	550.6	0.04%	195.6	0.02%
e524	Research	22	22,579.7	1.77%	22,579.7	1.77%	12,644.8	0.99%
e495	Training	142	254.7	0.02%	254.7	0.02%	2,213.1	0.17%
e508	Training	77	425.5	0.03%	425.5	0.03%	2,587.0	0.20%
e521	Training	109	721.1	0.06%	721.1	0.06%	2,227.0	0.17%
e538	Training	435	1,824.3	0.14%	1,824.3	0.14%	1,475.4	0.12%
EPSRC Total		43,975	747,318.4	58.60%	757,153.6	59.37%	851,585.2	66.78%
n01	Consortia	3,978	64,442.7	5.05%	63,916.9	5.01%	32,876.7	2.58%
n02	Consortia	15,221	120,026.1	9.41%	116,321.6	9.12%	123,287.7	9.67%
n03	Consortia	4,329	84,604.6	6.63%	84,605.4	6.63%	49,315.1	3.87%
NERC Total		23,528	269,073.5	21.10%	264,844.0	20.77%	205,479.5	16.11%
pr1u1352	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	181.4	0.01%
pr1u1356	DECI: EXEC	321	1,212.2	0.10%	1,212.2	0.10%	793.7	0.06%

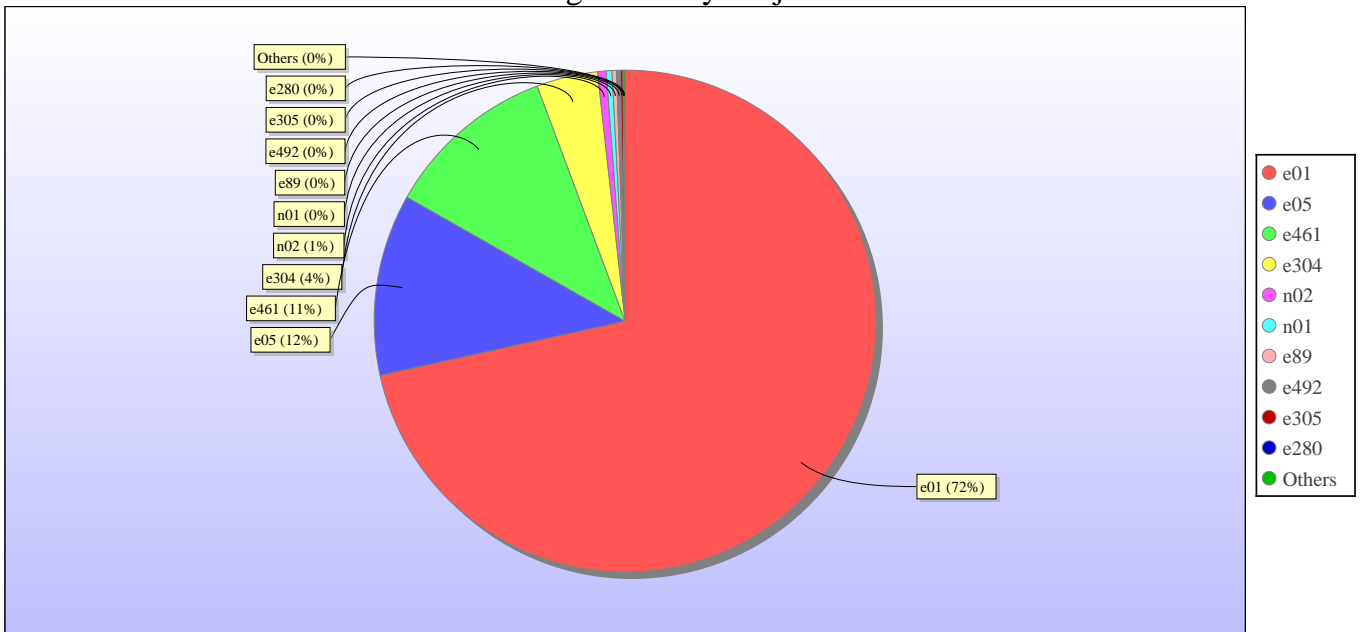
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
pr1u1358	DECI: EXEC	93	4,950.8	0.39%	4,950.8	0.39%	4,008.2	0.31%
pr1u1359	DECI: EXEC	41	5,991.4	0.47%	5,991.4	0.47%	1,779.7	0.14%
pr1u1360	DECI: EXEC	65	1,496.0	0.12%	1,496.0	0.12%	3,378.8	0.26%
pr1u1362	DECI: EXEC	365	731.1	0.06%	731.1	0.06%	797.9	0.06%
pr1u1363	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2,604.6	0.20%
pr1u1451	DECI: EXEC	10	415.4	0.03%	415.4	0.03%	5,471.1	0.43%
pr1u1452	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	5,471.1	0.43%
pr1u1453	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	13,677.8	1.07%
pr1u1454	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	6,105.8	0.48%
pr1u1455	DECI: EXEC	1	0.0	0.00%	0.0	0.00%	1,555.9	0.12%
pr1u1456	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	5,161.6	0.40%
pr1utd01	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1304	DECI: HOME	402	1,055.1	0.08%	1,055.1	0.08%	4,350.0	0.34%
pr1u1311	DECI: HOME	18	8.3	0.00%	8.3	0.00%	656.4	0.05%
pr1u1401	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1402	DECI: HOME	236	4,733.6	0.37%	4,733.6	0.37%	414.8	0.03%
pr1u1403	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1404	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1405	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1406	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1407	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1408	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1409	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1410	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1411	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
PRACE Total		1,552	20,593.7	1.61%	20,593.7	1.61%	56,409.5	4.42%
ecse0103	eCSE	0	0.0	0.00%	0.0	0.00%	25.7	0.00%
ecse0706	eCSE	51	111.4	0.01%	111.4	0.01%	135.1	0.01%
ecse0715	eCSE	0	0.0	0.00%	0.0	0.00%	40.6	0.00%
ecse0716	eCSE	0	0.0	0.00%	0.0	0.00%	88.2	0.01%
ecse0803	eCSE	10	1.2	0.00%	1.2	0.00%	44.9	0.00%
ecse0804	eCSE	5	37.1	0.00%	37.1	0.00%	36.9	0.00%
ecse0807	eCSE	102	271.2	0.02%	271.2	0.02%	37.7	0.00%
ecse0809	eCSE	0	0.0	0.00%	0.0	0.00%	53.7	0.00%
ecse0814	eCSE	0	0.0	0.00%	0.0	0.00%	44.0	0.00%
ecse0815	eCSE	0	0.0	0.00%	0.0	0.00%	39.7	0.00%
ecse0820	eCSE	15	0.7	0.00%	0.7	0.00%	35.0	0.00%
ecse0904	eCSE	1	0.0	0.00%	0.0	0.00%	41.2	0.00%
ecse0910	eCSE	38	10.6	0.00%	10.6	0.00%	39.1	0.00%
ecse0919	eCSE	0	0.0	0.00%	0.0	0.00%	28.2	0.00%
eCSE Total		222	432.1	0.03%	432.1	0.03%	690.1	0.05%
d43	ECDF	43	123.3	0.01%	123.3	0.01%	3,287.7	0.26%
d25	Research	53	381.1	0.03%	381.1	0.03%	821.9	0.06%
d35	Research	478	158.6	0.01%	158.6	0.01%	411.0	0.03%
d56	Research	312	4,173.6	0.33%	4,173.6	0.33%	5,802.4	0.45%
d60	Research	0	0.0	0.00%	0.0	0.00%	197.4	0.02%
d67	Research	12	0.4	0.00%	0.4	0.00%	411.0	0.03%
d71	Research	16	459.7	0.04%	459.7	0.04%	559.3	0.04%
d72	Research	0	0.0	0.00%	0.0	0.00%	164.4	0.01%
d87	Research	11	111.5	0.01%	111.7	0.01%	1,093.0	0.09%
d88	Research	44	46.6	0.00%	46.6	0.00%	20.5	0.00%
d96	Research	0	0.0	0.00%	0.0	0.00%	4,109.6	0.32%
d100	Research	0	0.0	0.00%	0.0	0.00%	352.1	0.03%
d101	Research	312	854.5	0.07%	856.8	0.07%	411.0	0.03%
d107	Research	26	0.7	0.00%	0.7	0.00%	411.0	0.03%
d114	Research	572	9,140.7	0.72%	9,141.7	0.72%	8,072.5	0.63%
d120	Research	0	0.0	0.00%	0.0	0.00%	302.4	0.02%
d121	Research	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
d137	Research	213	7,167.6	0.56%	7,168.5	0.56%	2,465.8	0.19%
d141	Research	116	346.0	0.03%	346.0	0.03%	246.6	0.02%
d142	Research	191	26,290.5	2.06%	26,290.6	2.06%	6,199.4	0.49%
d143	Research	11	907.0	0.07%	907.0	0.07%	4,075.2	0.32%
d145	Research	0	0.0	0.00%	0.0	0.00%	2,465.8	0.19%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
d146	Research	0	0.0	0.00%	0.0	0.00%	510.2	0.04%
d149	Research	781	4,352.2	0.34%	4,352.2	0.34%	4,109.6	0.32%
d150	Research	57	1,987.8	0.16%	1,987.8	0.16%	2,459.0	0.19%
d151	Research	16	0.9	0.00%	0.9	0.00%	326.1	0.03%
d152	Research	0	0.0	0.00%	0.0	0.00%	391.3	0.03%
d132	Industrial	0	0.0	0.00%	0.0	0.00%	104.9	0.01%
e540	Industrial	0	0.0	0.00%	0.0	0.00%	264.5	0.02%
i01	Industrial	33	0.7	0.00%	0.7	0.00%	76.7	0.01%
i07	Industrial	0	0.0	0.00%	0.0	0.00%	1,082.5	0.08%
i200	Industrial	0	0.0	0.00%	0.0	0.00%	218.2	0.02%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	2.6	0.00%
x08	Industrial	96	304.8	0.02%	304.8	0.02%	1,315.1	0.10%
d74	Training	2	0.0	0.00%	0.0	0.00%	53.4	0.00%
d104	Training	1,345	7,374.8	0.58%	7,374.8	0.58%	2,486.8	0.19%
d122	Training	132	15.8	0.00%	15.8	0.00%	417.8	0.03%
d133	Training	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
e482	Training	0	0.0	0.00%	0.0	0.00%	493.2	0.04%
d131	Service	442	64.8	0.01%	63.3	0.00%	824.2	0.06%
d134	Service	0	0.0	0.00%	0.0	0.00%	411.0	0.03%
w12	Service	287	1,363.9	0.11%	1,363.9	0.11%	489.2	0.04%
w13	Service	15	141.9	0.01%	141.9	0.01%	489.2	0.04%
w14	Service	51	103.6	0.01%	103.6	0.01%	489.2	0.04%
w15	Service	0	0.0	0.00%	0.0	0.00%	491.8	0.04%
y01	Service	0	0.0	0.00%	0.0	0.00%	8.2	0.00%
y02	Service	9	1.4	0.00%	1.4	0.00%	164.4	0.01%
y07	Service	16	0.0	0.00%	0.0	0.00%	82.2	0.01%
z02	Service	5	0.3	0.00%	0.3	0.00%	411.0	0.03%
z17	Service	2	6.4	0.00%	6.4	0.00%	491.8	0.04%
z99	Service	37	0.3	0.00%	0.3	0.00%	8.2	0.00%
d84	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	411.0	0.03%
d147	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	187.5	0.01%
d148	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	196.7	0.02%
d83	UoE Supercomputing	0	0.0	0.00%	0.0	0.00%	5,009.7	0.39%
d108	UoE Supercomputing	0	0.0	0.00%	0.0	0.00%	297.5	0.02%
DirectorsTime Total		5,736	65,881.3	5.17%	65,884.4	5.17%	66,695.5	5.23%
y14	Training	338	243.7	0.02%	162.7	0.01%	575.3	0.05%
y21	Service	0	0.0	0.00%	0.0	0.00%	75.8	0.01%
z01	Service	6	0.0	0.00%	0.0	0.00%	41.1	0.00%
z19	Service	280	1,215.3	0.10%	1,215.5	0.10%	5,342.5	0.42%
CSE Total		624	1,459.0	0.11%	1,378.3	0.11%	6,034.7	0.47%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	3,107.3	0.24%
Industrial Total		0	0.0	0.00%	0.0	0.00%	3,107.3	0.24%
w03	Service	0	0.0	0.00%	0.0	0.00%	93.9	0.01%
Internal Total		0	0.0	0.00%	0.0	0.00%	93.9	0.01%
Total		75,637	1,104,758.0	86.63%	1,110,286.1	87.06%	1,190,095.6	93.32%

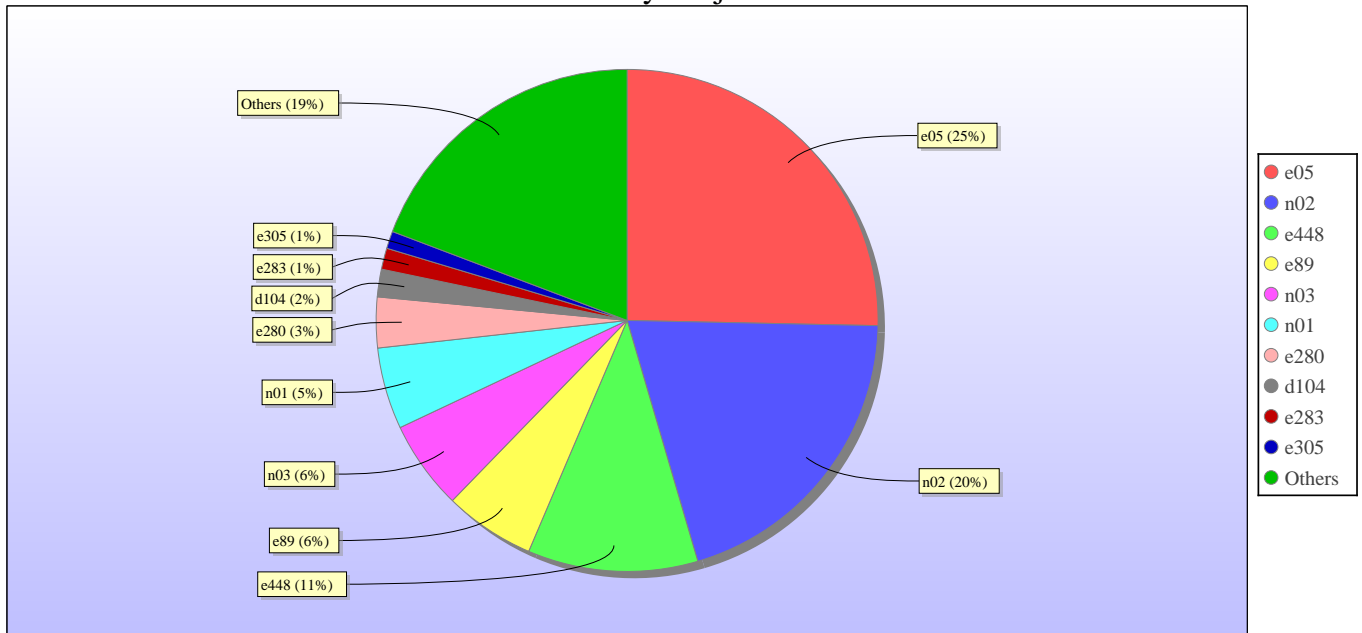
Use by Project



Uncharged Use by Project



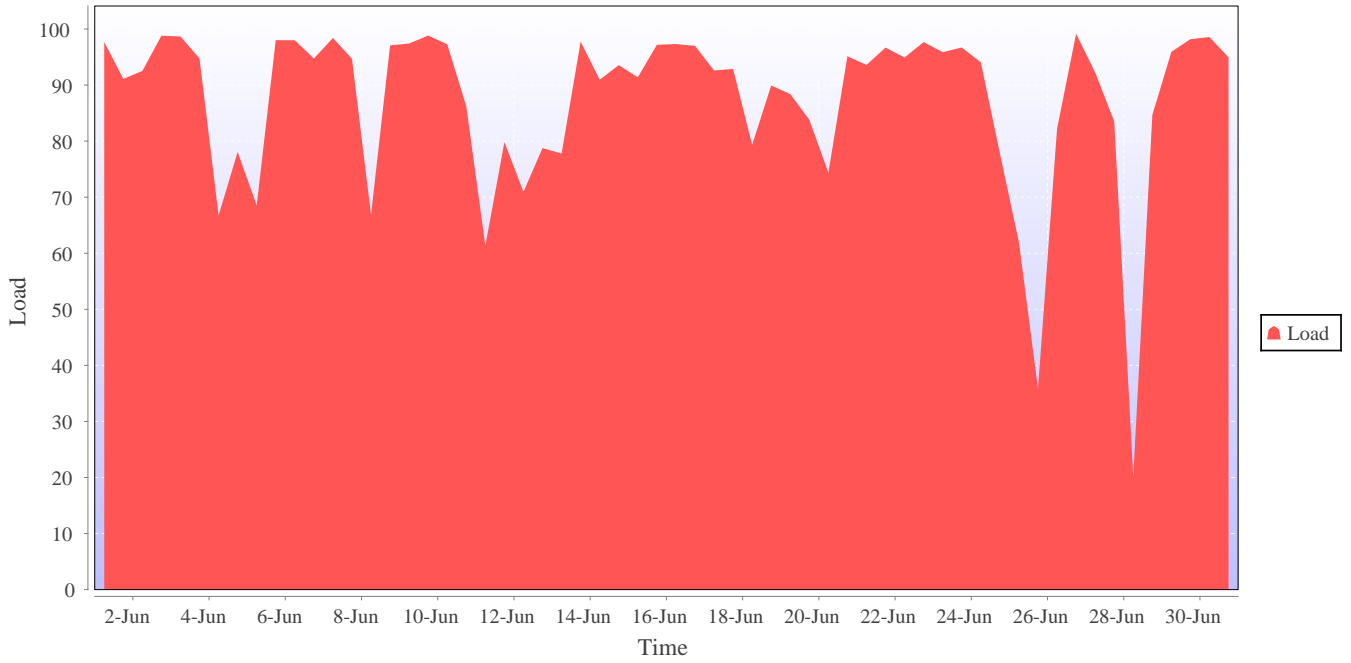
Jobs by Project



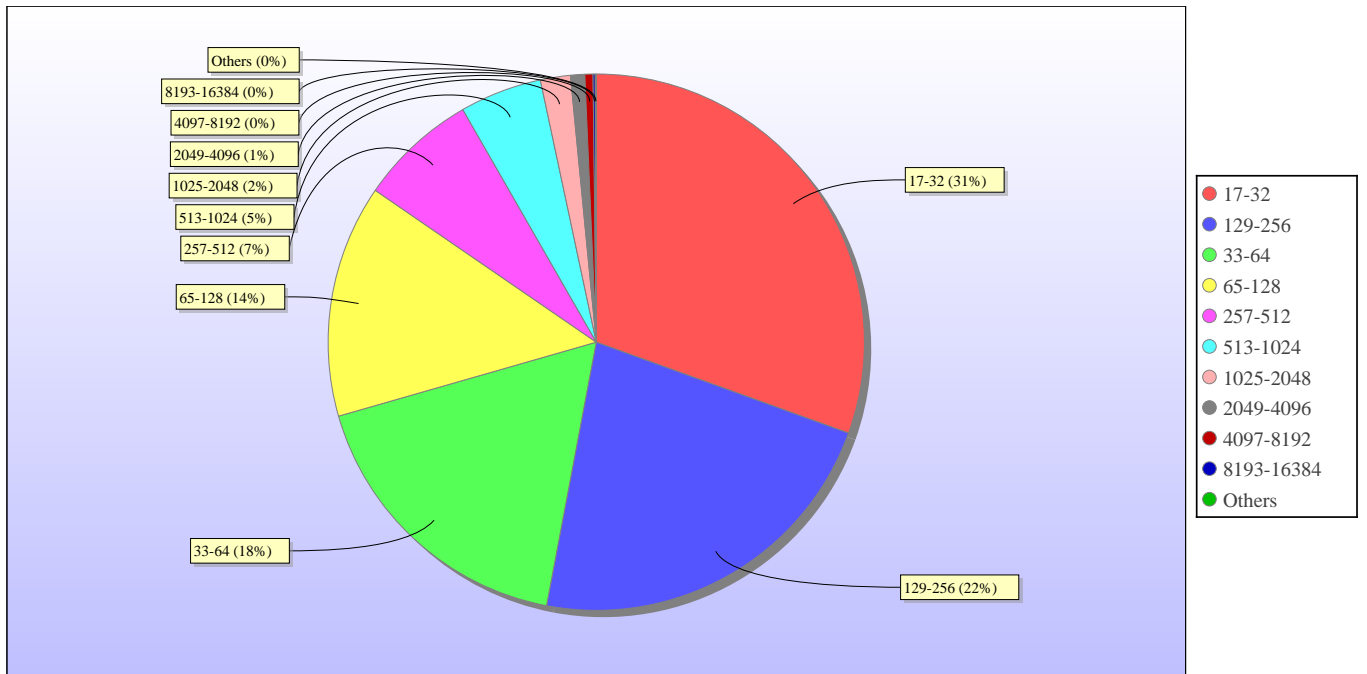
kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	14,551.637	23,069
33-64	17,565.539	13,295
65-128	77,233.344	10,609
129-256	178,612.382	16,990
257-512	213,345.119	5,392
513-1024	184,889.57	3,739
1025-2048	156,466.87	1,368
2049-4096	100,890.904	648
4097-8192	84,152.989	369
8193-16384	50,112.888	98
16385-32768	10,704.008	37
32769-65536	920.002	8
65537-131072	2,100.022	3

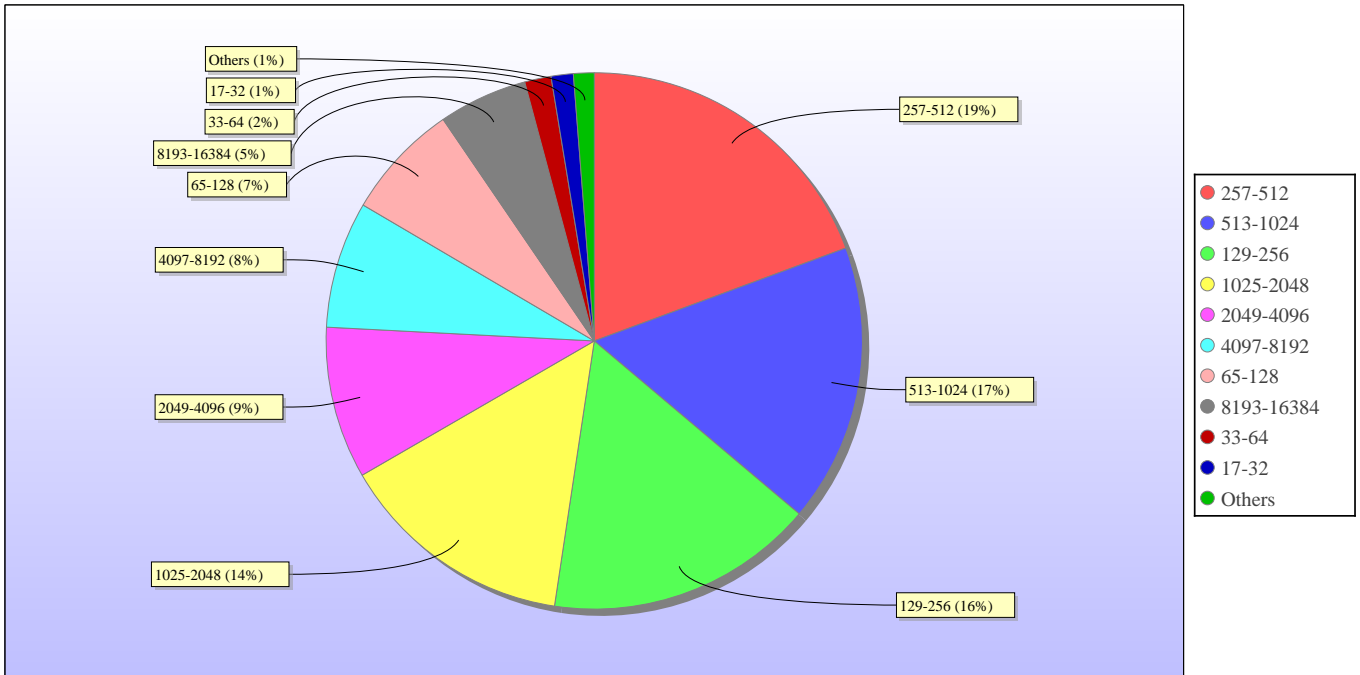
Load plots



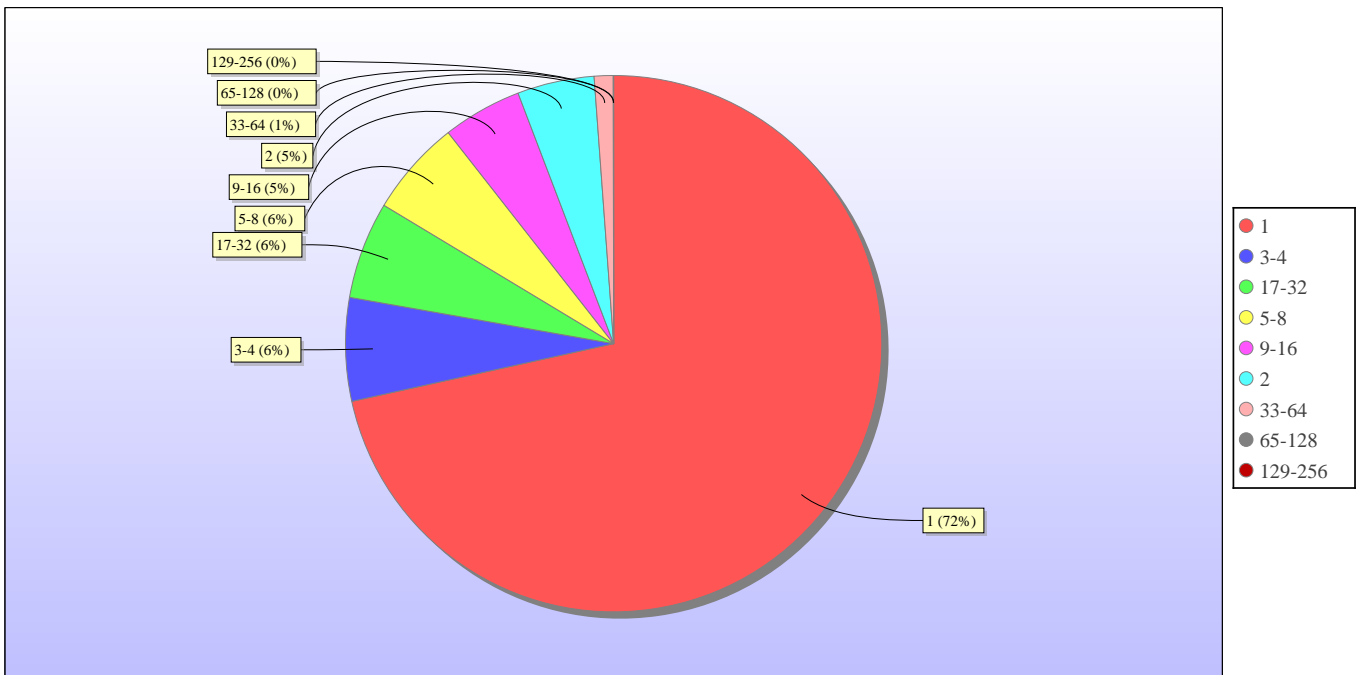
Percentage load on machine



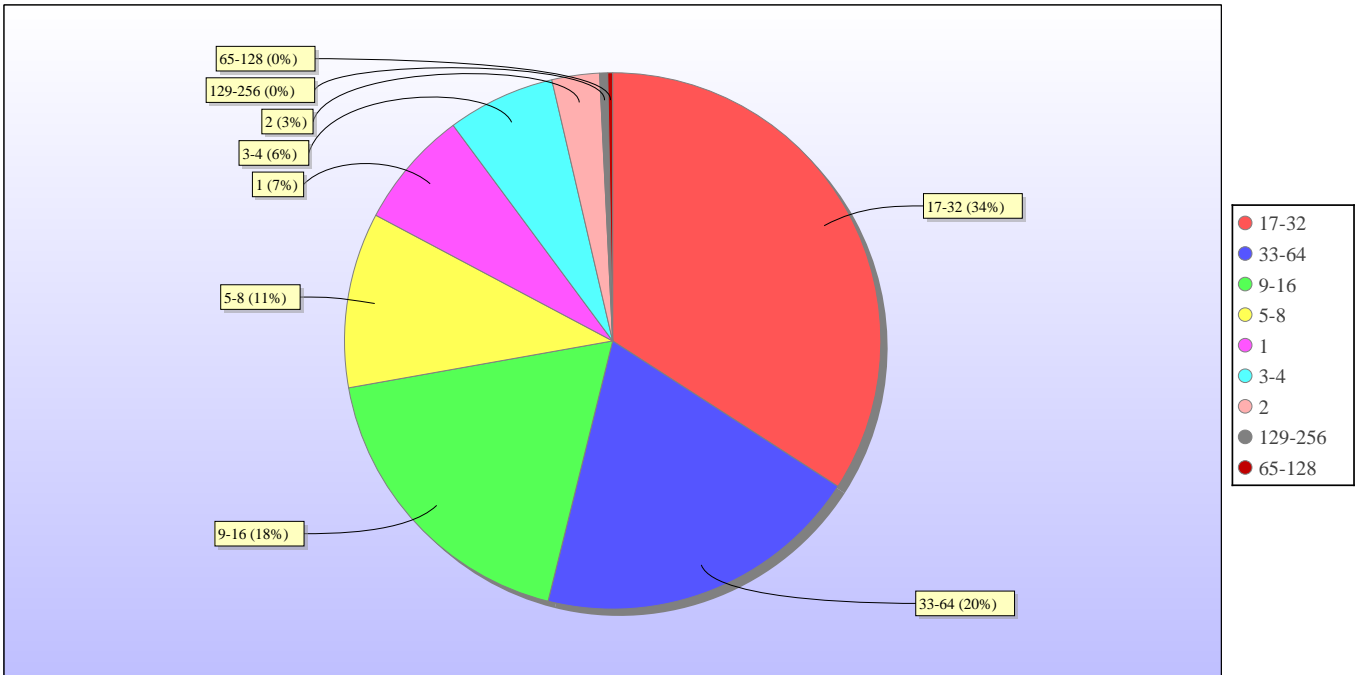
Jobs by Size



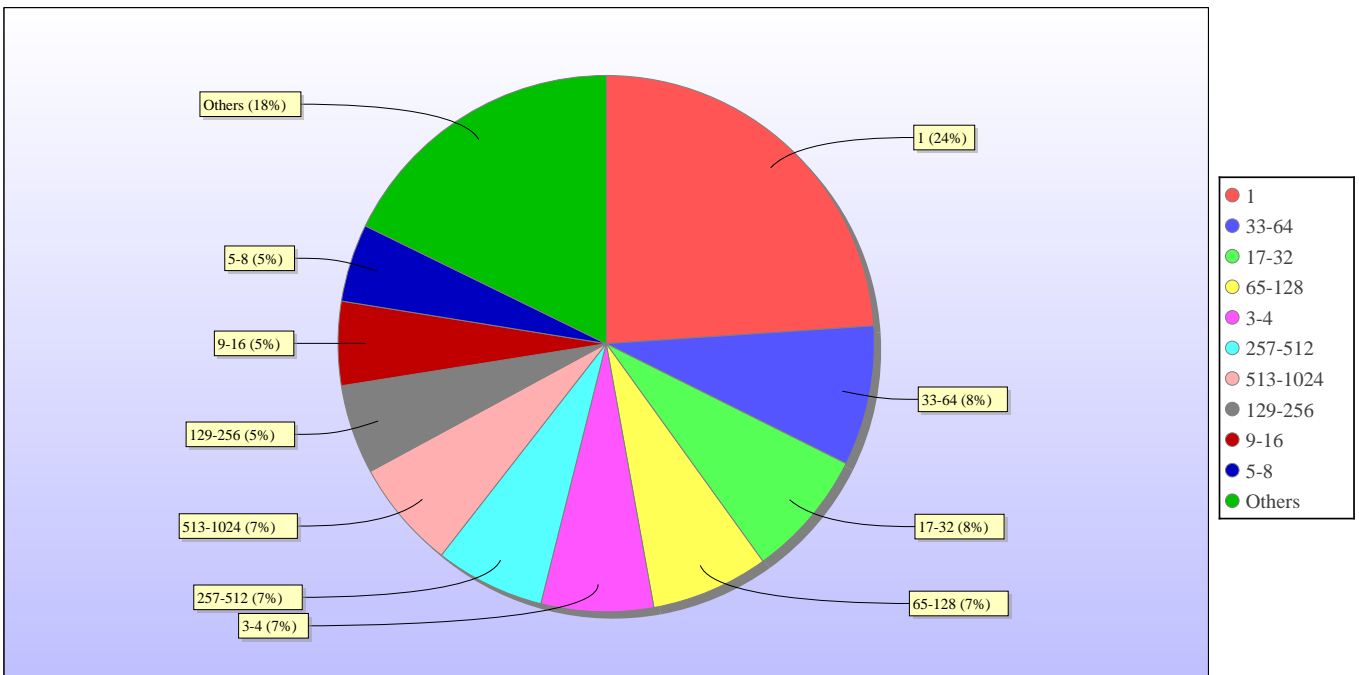
kAUs used by Size



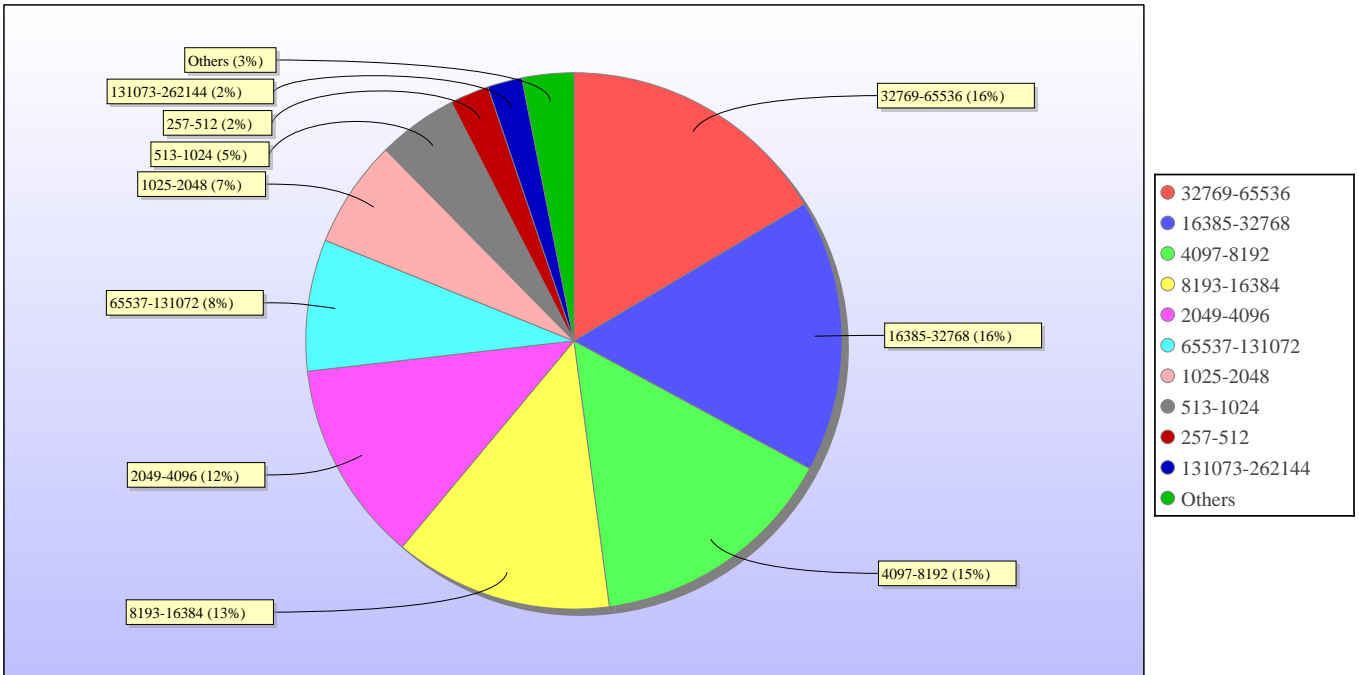
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

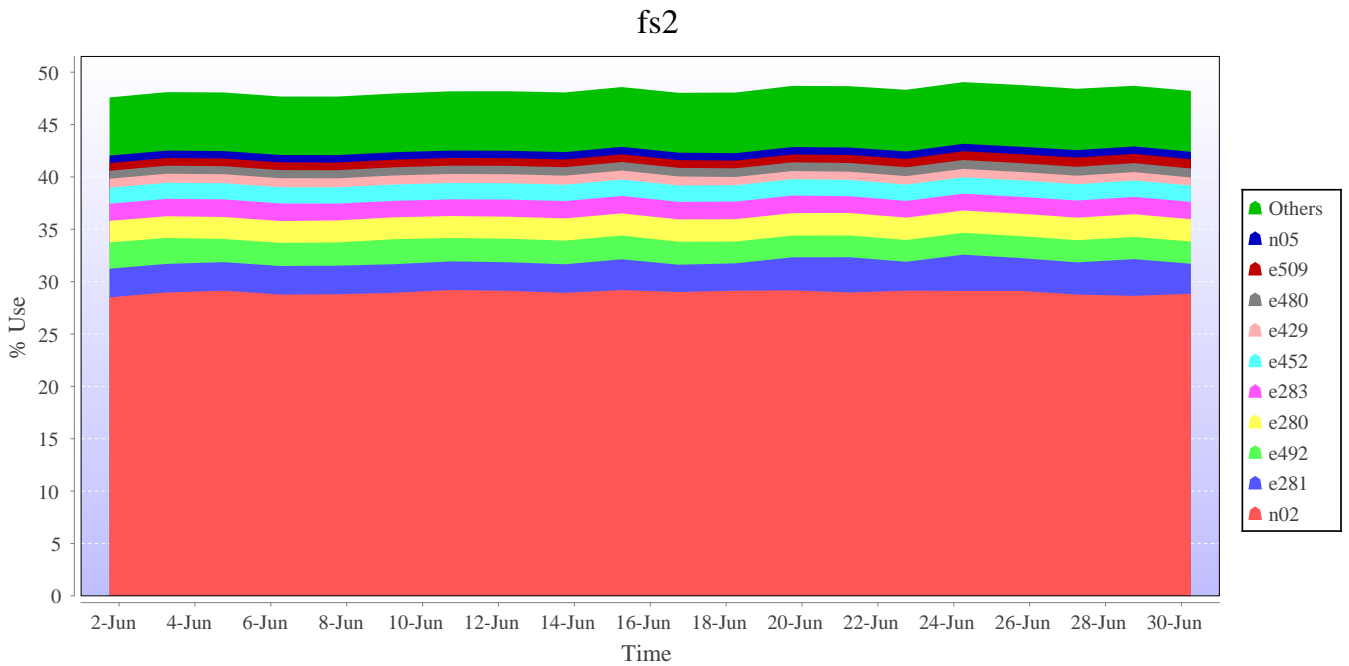


kAUs used grouped by core-hours

Disk usage

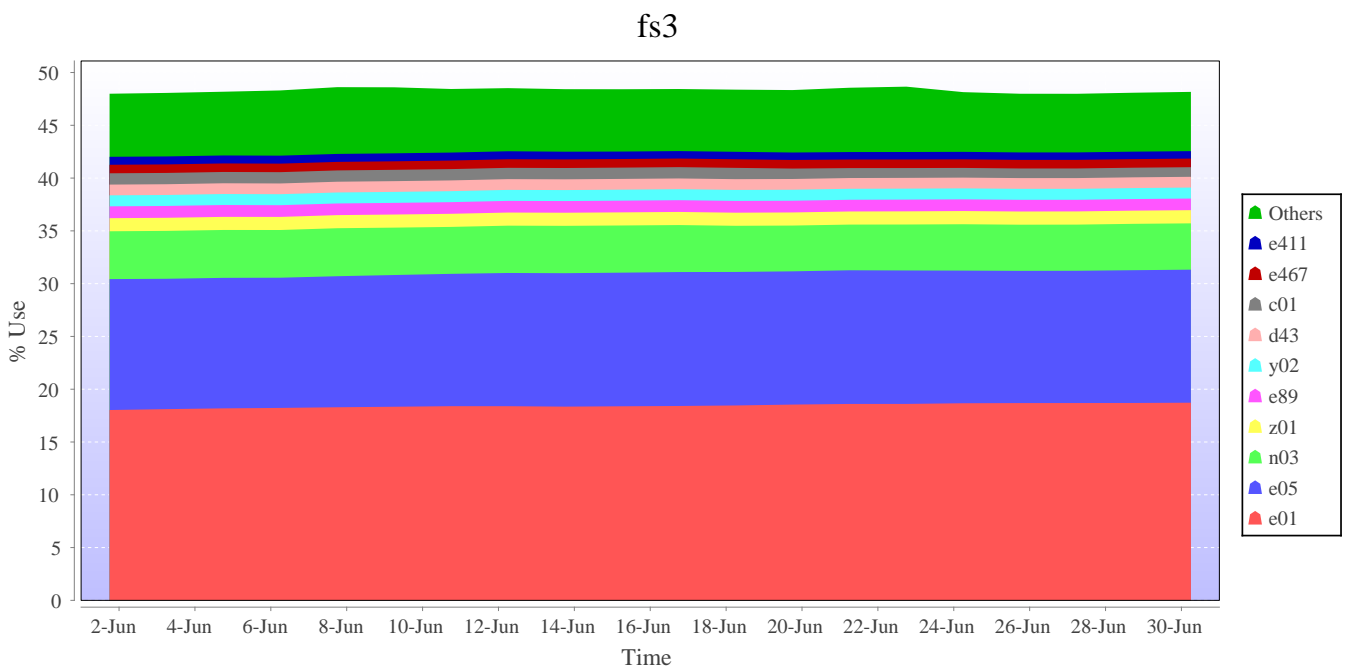
Disk usage for work (fs2)

This is a plot of Disk Use on fs2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



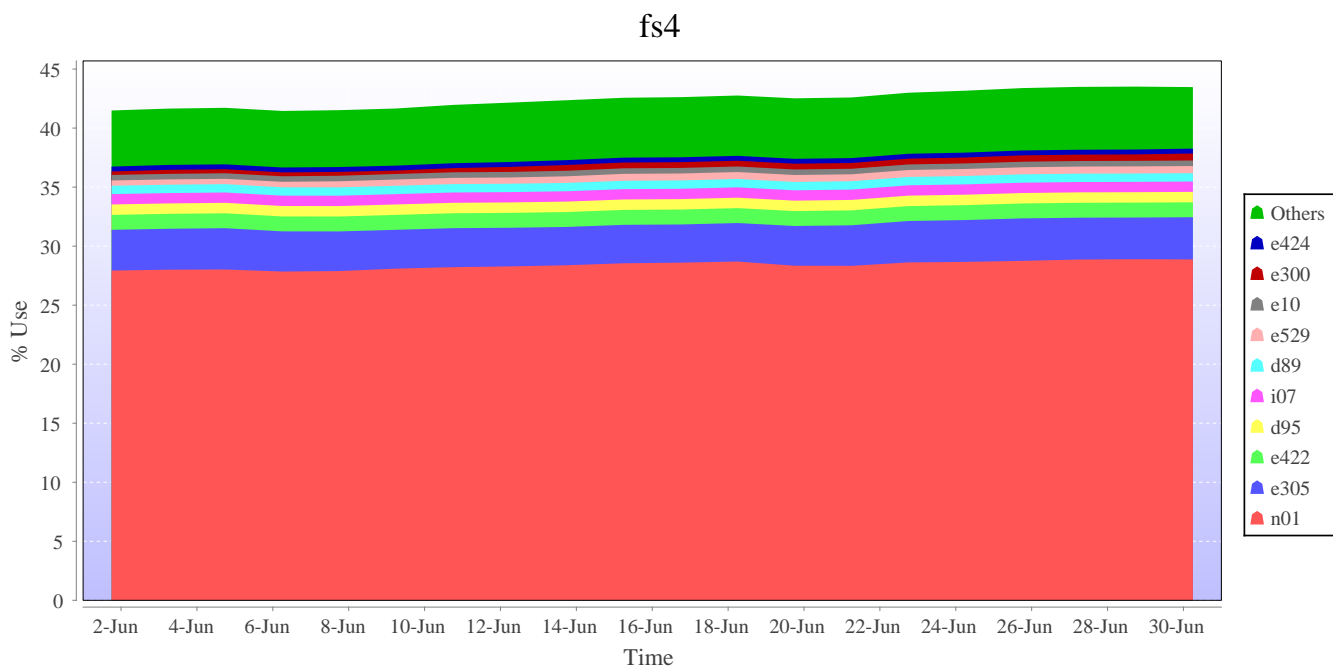
Disk usage for work (fs3)

This is a plot of Disk Use on fs3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



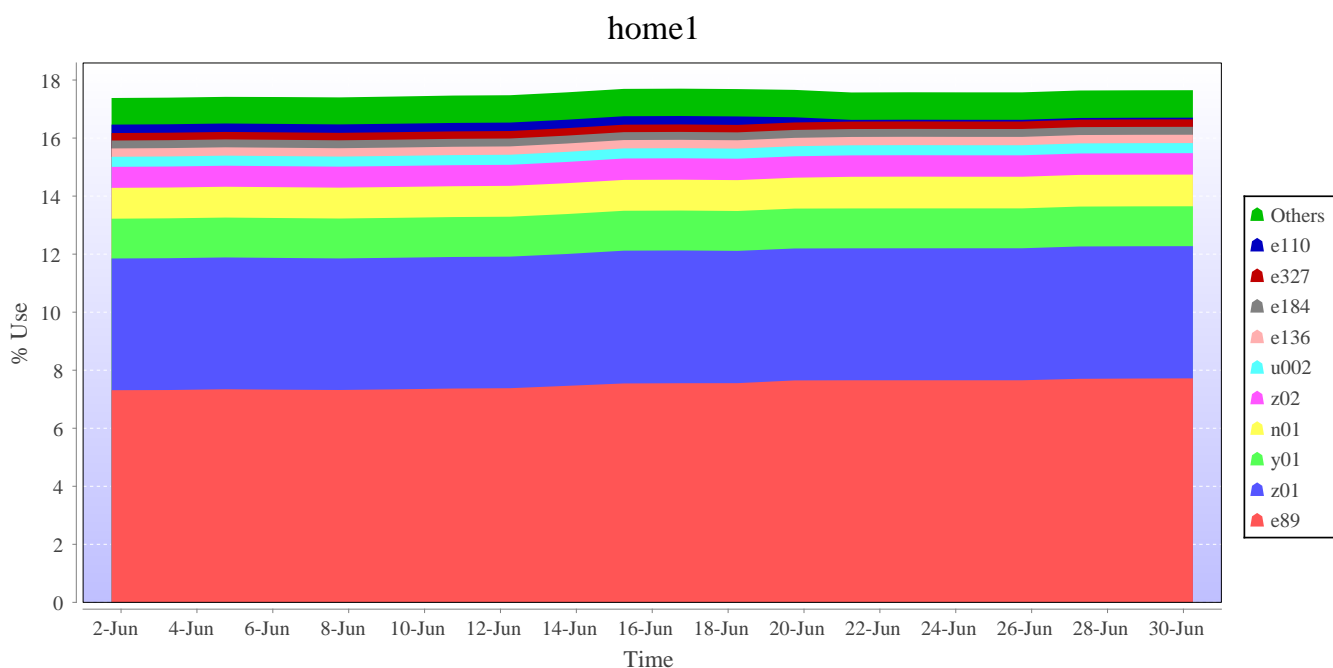
Disk usage for work (fs4)

This is a plot of Disk Use on fs4 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



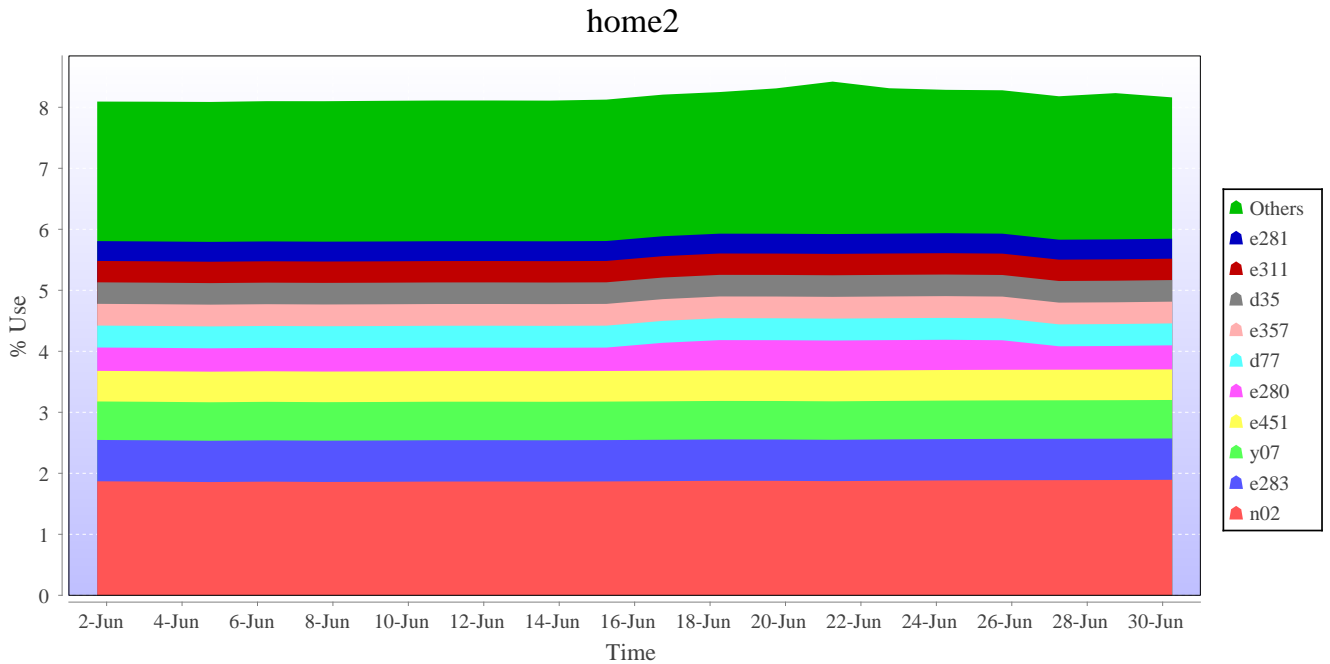
Disk usage for home (home1)

This is a plot of Disk Use on home1 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



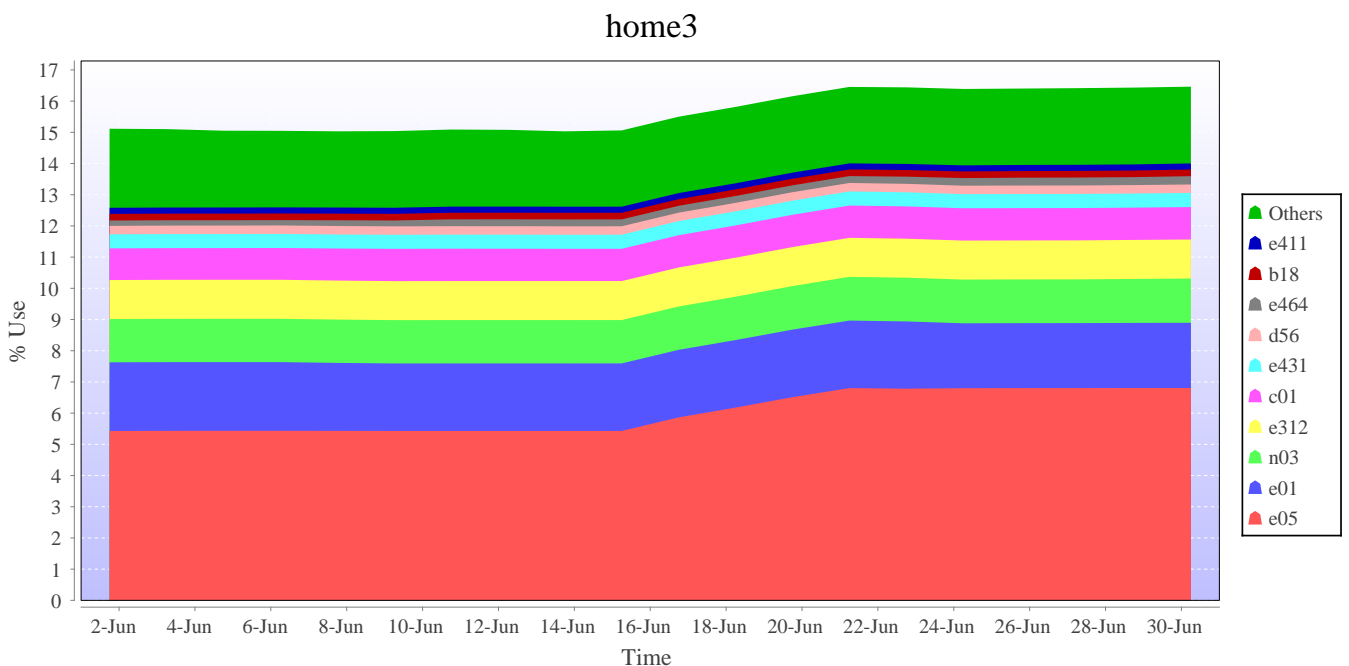
Disk usage for home (home2)

This is a plot of Disk Use on home2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



Disk usage for home (home3)

This is a plot of Disk Use on home3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



Disk usage for home (home4)

This is a plot of Disk Use on home4 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.

