

Monthly Reporting

Report from 01 November 2015 to 30 November 2015

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 the the Use can be larger than the extrapolated Allocation.

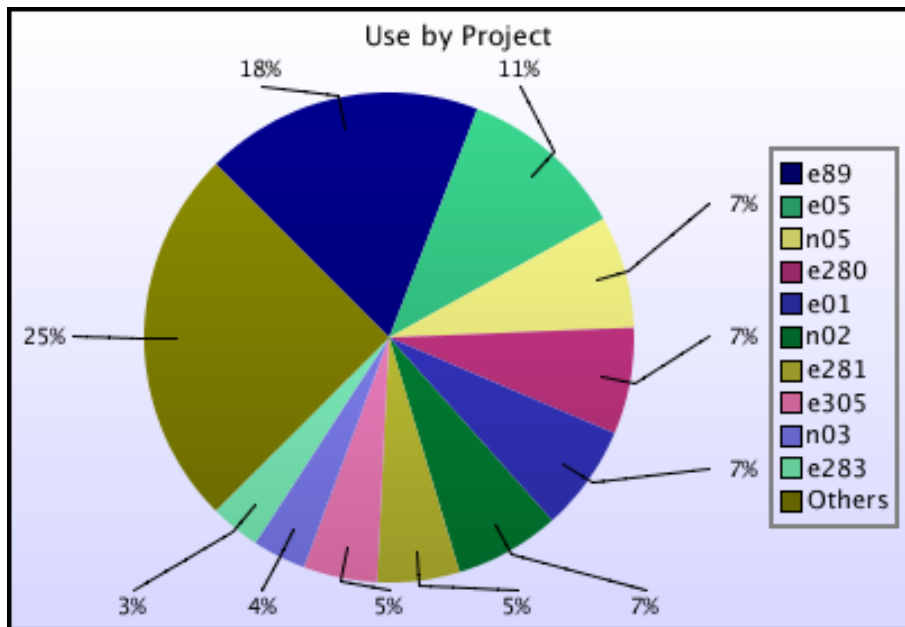
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	1,010	70,617.4	5.54%	72,572.9	5.69%	88,413.9	6.93%
e05	Consortia	10,892	112,040.6	8.79%	114,634.6	8.99%	175,490.0	13.76%
e89	Consortia	10,651	186,481.9	14.62%	189,894.7	14.89%	154,458.0	12.11%
e280	Consortia	37,725	72,456.2	5.68%	72,784.4	5.71%	52,448.7	4.11%
e281	Consortia	1,395	55,952.3	4.39%	55,996.3	4.39%	26,522.2	2.08%
e283	Consortia	601	34,325.0	2.69%	34,337.5	2.69%	20,654.5	1.62%
e305	Consortia	1,519	49,985.7	3.92%	50,492.5	3.96%	28,782.0	2.26%
e410	Leadership Awards	3	351.4	0.03%	351.4	0.03%	8,243.6	0.65%
e411	Leadership Awards	1,881	11,396.1	0.89%	11,479.2	0.90%	9,375.0	0.74%
e412	Leadership Awards	7	1,655.7	0.13%	1,655.7	0.13%	6,259.8	0.49%
e413	Leadership Awards	73	11,068.6	0.87%	11,552.7	0.91%	8,158.5	0.64%
e414	Leadership Awards	22	5,951.8	0.47%	5,951.8	0.47%	6,951.6	0.55%
e421	Leadership Awards	32	17,739.8	1.39%	17,739.8	1.39%	18,518.9	1.45%
e422	Leadership Awards	17	6,557.7	0.51%	6,557.7	0.51%	5,910.1	0.46%
e424	Leadership Awards	224	8,131.5	0.64%	8,131.5	0.64%	13,253.0	1.04%
e453	Leadership Awards	3,045	3,752.0	0.29%	3,752.0	0.29%	1,657.8	0.13%
e460	Leadership Awards	31	4,428.8	0.35%	4,428.8	0.35%	7,155.5	0.56%
e463	Leadership Awards	0	0.0	0.00%	0.0	0.00%	4,981.0	0.39%
e465	Leadership Awards	0	0.0	0.00%	0.0	0.00%	7,309.4	0.57%
e469	Leadership Awards	0	0.0	0.00%	0.0	0.00%	1,239.8	0.10%
c01	Class1a	166	22.9	0.00%	22.9	0.00%	1,719.6	0.13%
e10	Class1a	48	2,185.5	0.17%	2,187.5	0.17%	7,619.7	0.60%
e71	Class1a	172	2,850.0	0.22%	2,850.0	0.22%	2,823.2	0.22%
e110	Class1a	67	5,330.0	0.42%	5,330.0	0.42%	4,890.2	0.38%
e125	Class1a	38	955.5	0.07%	1,179.4	0.09%	4,103.9	0.32%
e174	Class1a	7	591.0	0.05%	591.0	0.05%	5,680.5	0.45%
e179	Class1a	41	263.0	0.02%	263.2	0.02%	3,477.1	0.27%
e184	Class1a	265	1,170.5	0.09%	1,170.5	0.09%	3,712.8	0.29%
e202	Class1a	148	6,439.8	0.50%	6,439.8	0.50%	24,986.7	1.96%
e228	Class1a	13	1,361.0	0.11%	1,438.9	0.11%	478.2	0.04%
e229	Class1a	0	0.0	0.00%	0.0	0.00%	448.6	0.04%
e266	Class1a	409	25,404.3	1.99%	25,725.7	2.02%	6,914.5	0.54%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e272	Class1a	271	5,222.8	0.41%	5,227.3	0.41%	2,131.1	0.17%
e282	Class1a	23	1.6	0.00%	1.6	0.00%	734.4	0.06%
e290	Class1a	70	9.1	0.00%	9.1	0.00%	109.9	0.01%
e291	Class1a	0	0.0	0.00%	0.0	0.00%	445.2	0.03%
e300	Class1a	36	739.8	0.06%	739.8	0.06%	736.0	0.06%
e301	Class1a	220	894.3	0.07%	911.4	0.07%	1,978.4	0.16%
e304	Class1a	2,698	20,204.2	1.58%	20,583.8	1.61%	6,211.9	0.49%
e320	Class1a	25	715.5	0.06%	715.5	0.06%	2,219.2	0.17%
e330	Class1a	0	0.0	0.00%	0.0	0.00%	167.1	0.01%
e331	Class1a	92	743.8	0.06%	744.1	0.06%	1,366.6	0.11%
e332	Class1a	0	0.0	0.00%	0.0	0.00%	650.6	0.05%
e336	Class1a	0	0.0	0.00%	0.0	0.00%	174.2	0.01%
e343	Class1a	226	395.9	0.03%	395.9	0.03%	1,460.5	0.11%
e358	Class1a	50	6.4	0.00%	6.4	0.00%	724.7	0.06%
e364	Class1a	4	0.1	0.00%	0.1	0.00%	747.3	0.06%
e365	Class1a	6	205.1	0.02%	205.1	0.02%	1,382.9	0.11%
e375	Class1a	0	0.0	0.00%	0.0	0.00%	2,835.6	0.22%
e377	Class1a	32	433.0	0.03%	433.0	0.03%	1,767.6	0.14%
e378	Class1a	8	51.3	0.00%	51.3	0.00%	4,774.1	0.37%
e385	Class1a	55	10,314.1	0.81%	10,314.1	0.81%	15,956.2	1.25%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	8.2	0.00%
e429	Class1a	151	252.5	0.02%	252.5	0.02%	3,260.1	0.26%
e431	Class1a	746	794.9	0.06%	794.9	0.06%	691.0	0.05%
e432	Class1a	268	12,897.8	1.01%	12,897.8	1.01%	4,863.8	0.38%
e446	Class1a	92	120.1	0.01%	120.1	0.01%	10,137.6	0.79%
e448	Class1a	177	3,092.2	0.24%	3,092.2	0.24%	16,393.4	1.29%
e451	Class1a	23	33.5	0.00%	33.5	0.00%	4,098.4	0.32%
e452	Class1a	0	0.0	0.00%	0.0	0.00%	1,195.3	0.09%
e418	Class1b	17	1,521.1	0.12%	1,521.1	0.12%	3,439.5	0.27%
e316	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	537.6	0.04%
e321	Direct Access: ARCHER RAP	1	340.3	0.03%	340.3	0.03%	3,196.6	0.25%
e323	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	1,156.3	0.09%
e339	Direct Access: ARCHER RAP	73	6,148.2	0.48%	6,148.2	0.48%	4,215.5	0.33%
e348	Direct Access: ARCHER RAP	18	519.6	0.04%	519.6	0.04%	2,816.4	0.22%
e356	Direct Access: ARCHER RAP	15	263.0	0.02%	263.0	0.02%	919.3	0.07%
e370	Direct Access: ARCHER RAP	48	2,699.3	0.21%	2,699.3	0.21%	547.0	0.04%
e371	Direct Access: ARCHER RAP	124	8,737.1	0.69%	8,737.1	0.69%	3,009.9	0.24%
e373	Direct Access: ARCHER RAP	7	742.6	0.06%	742.6	0.06%	2,411.9	0.19%
e392	Direct Access: ARCHER RAP	148	9,673.0	0.76%	9,679.3	0.76%	7,664.9	0.60%
e393	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	2,057.8	0.16%
e394	Direct Access: ARCHER RAP	18	529.0	0.04%	529.0	0.04%	2,312.8	0.18%
e397	Direct Access: ARCHER RAP	45	4,042.0	0.32%	4,235.9	0.33%	1,609.0	0.13%
e398	Direct Access: ARCHER RAP	21	15.8	0.00%	15.8	0.00%	2,695.4	0.21%
e399	Direct Access: ARCHER RAP	1,545	1,495.3	0.12%	1,495.3	0.12%	4,450.1	0.35%
e400	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	1,940.8	0.15%
e402	Direct Access: ARCHER RAP	36	89.2	0.01%	89.2	0.01%	700.9	0.05%

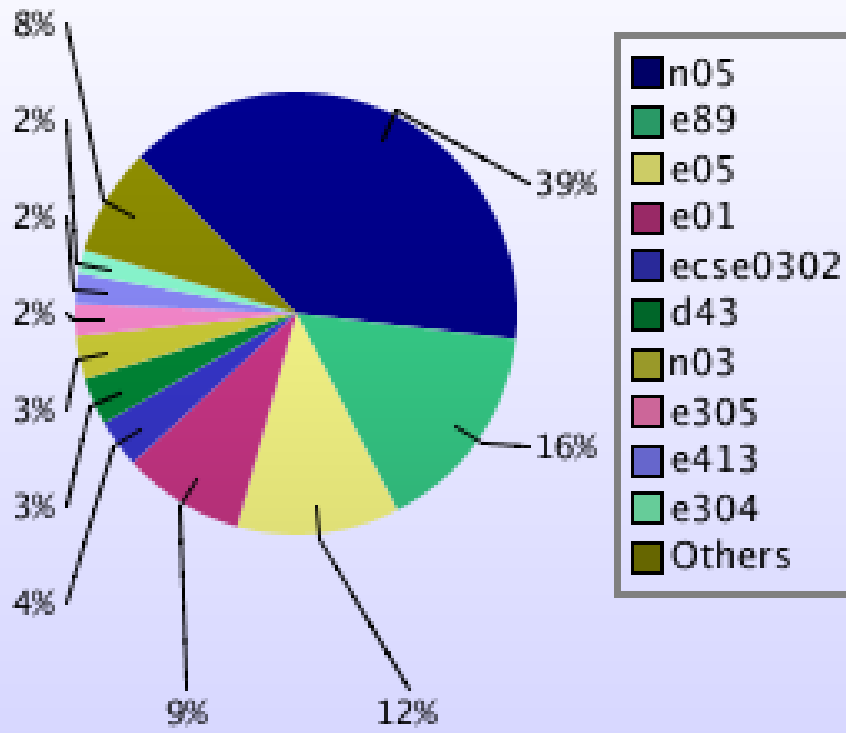
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e419	Direct Access: ARCHER RAP	78	3,845.2	0.30%	3,845.2	0.30%	5,116.0	0.40%
e420	Direct Access: ARCHER RAP	6	0.0	0.00%	0.0	0.00%	3,548.1	0.28%
e454	Direct Access: ARCHER RAP	15	312.5	0.02%	312.5	0.02%	1,300.0	0.10%
e456	Direct Access: ARCHER RAP	5	0.0	0.00%	0.0	0.00%	157.2	0.01%
e457	Direct Access: ARCHER RAP	43	3,428.6	0.27%	3,428.6	0.27%	3,763.6	0.30%
e458	Direct Access: ARCHER RAP	110	3,591.5	0.28%	3,591.5	0.28%	2,857.8	0.22%
e459	Direct Access: ARCHER RAP	19	13.1	0.00%	13.1	0.00%	2,176.3	0.17%
e359	Instant Access	393	1,854.9	0.15%	1,854.9	0.15%	2,852.6	0.22%
e407	Instant Access	0	0.0	0.00%	0.0	0.00%	1,522.3	0.12%
e408	Instant Access	113	1,428.0	0.11%	1,428.1	0.11%	2,184.8	0.17%
e416	Instant Access	40	248.8	0.02%	248.8	0.02%	196.7	0.02%
e417	Instant Access	0	0.0	0.00%	0.0	0.00%	167.4	0.01%
e423	Instant Access	0	0.0	0.00%	0.0	0.00%	98.1	0.01%
e425	Instant Access	0	0.0	0.00%	0.0	0.00%	175.4	0.01%
e428	Instant Access	0	0.0	0.00%	0.0	0.00%	188.2	0.01%
e430	Instant Access	0	0.0	0.00%	0.0	0.00%	195.6	0.02%
e433	Instant Access	0	0.0	0.00%	0.0	0.00%	195.6	0.02%
e435	Instant Access	0	0.0	0.00%	0.0	0.00%	195.6	0.02%
e436	Instant Access	0	0.0	0.00%	0.0	0.00%	195.6	0.02%
e438	Instant Access	0	0.0	0.00%	0.0	0.00%	197.8	0.02%
e439	Instant Access	24	620.7	0.05%	620.7	0.05%	198.8	0.02%
e440	Instant Access	13	30.9	0.00%	30.9	0.00%	196.7	0.02%
e445	Instant Access	0	0.0	0.00%	0.0	0.00%	58.7	0.00%
e447	Instant Access	15	13.8	0.00%	13.8	0.00%	196.7	0.02%
e449	Instant Access	8	130.0	0.01%	130.8	0.01%	196.7	0.02%
e450	Instant Access	16	22.7	0.00%	22.7	0.00%	185.6	0.01%
e455	Instant Access	0	0.0	0.00%	0.0	0.00%	184.7	0.01%
e470	Instant Access	3	0.2	0.00%	0.2	0.00%	66.4	0.01%
e471	Instant Access	13	0.6	0.00%	0.6	0.00%	88.3	0.01%
r10	RDF: Pilot	0	0.0	0.00%	0.0	0.00%	2.7	0.00%
i07	Industrial	0	0.0	0.00%	0.0	0.00%	1,082.5	0.08%
e415	Training	221	514.1	0.04%	514.5	0.04%	2,151.3	0.17%
e437	Training	362	1,219.9	0.10%	1,219.9	0.10%	2,459.0	0.19%
e382	Service	95	1,433.1	0.11%	1,463.3	0.11%	2,652.0	0.21%
EPSRC Total		79,483	812,118.3	63.68%	822,798.1	64.52%	882,546.5	69.21%
n01	Consortia	18,812	9,517.9	0.75%	9,750.6	0.76%	63,549.6	4.98%
n02	Consortia	29,582	71,601.2	5.61%	71,735.1	5.63%	225,636.9	17.69%
n03	Consortia	3,309	35,682.4	2.80%	36,379.4	2.85%	50,982.1	4.00%
n05	Leadership Awards	82	67,796.7	5.32%	76,407.8	5.99%	49,169.1	3.86%
n07	Leadership Awards	0	0.0	0.00%	0.0	0.00%	2,486.8	0.19%
n08	Leadership Awards	0	0.0	0.00%	0.0	0.00%	3,759.1	0.29%
NERC Total		51,785	184,598.1	14.48%	194,273.0	15.23%	395,583.7	31.02%
b14	Class1a	0	0.0	0.00%	0.0	0.00%	267.9	0.02%
b16	Class1a	0	0.0	0.00%	0.0	0.00%	411.0	0.03%
e329	Class1a	0	0.0	0.00%	0.0	0.00%	367.4	0.03%
b17	Research	0	0.0	0.00%	0.0	0.00%	354.3	0.03%
BBSRC Total		0	0.0	0.00%	0.0	0.00%	1,400.5	0.11%
pr1u0002	Class1a	0	0.0	0.00%	0.0	0.00%	35.1	0.00%
pr1u0905	DECI: EXEC	21	30.9	0.00%	30.9	0.00%	47.6	0.00%
PRACE Total		21	30.9	0.00%	30.9	0.00%	82.7	0.01%
ecse0102	eCSE	0	0.0	0.00%	0.0	0.00%	24.2	0.00%
ecse0103	eCSE	0	0.0	0.00%	0.0	0.00%	43.7	0.00%
ecse0115	eCSE	0	0.0	0.00%	0.0	0.00%	36.9	0.00%
ecse0119	eCSE	0	0.0	0.00%	0.0	0.00%	18.3	0.00%

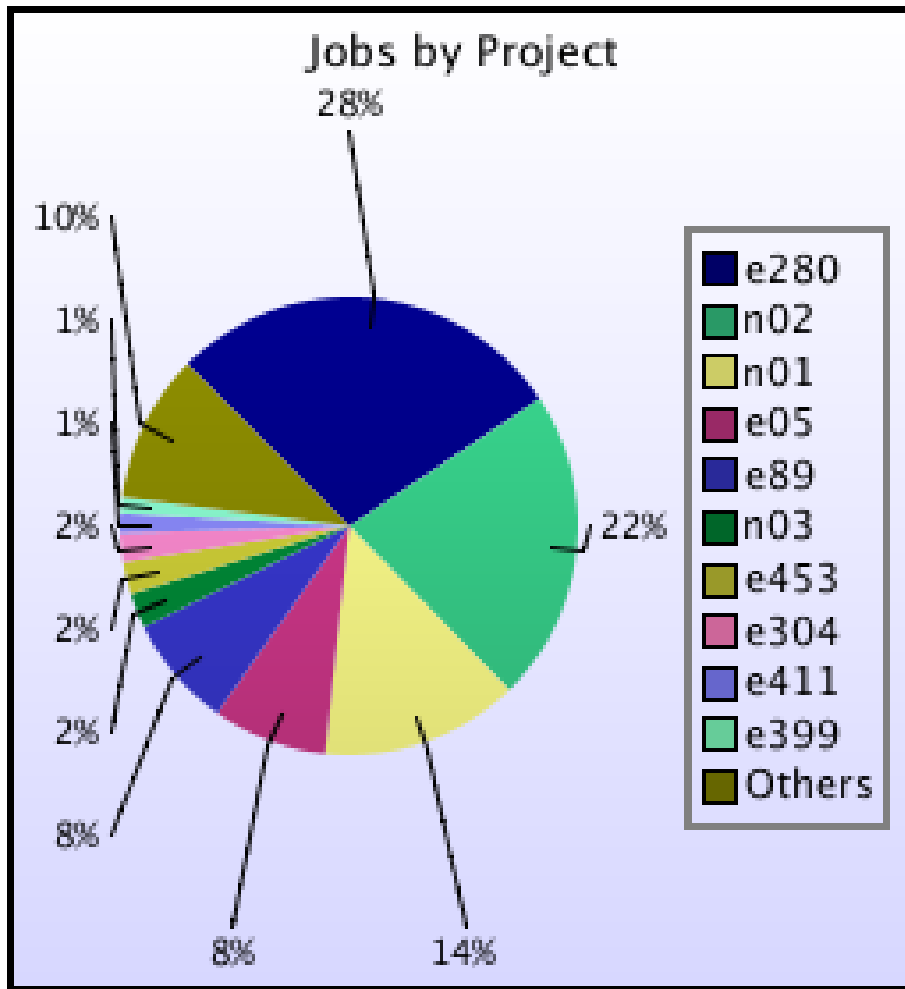
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
ecse0211	eCSE	0	0.0	0.00%	0.0	0.00%	40.5	0.00%
ecse0213	eCSE	0	0.0	0.00%	0.0	0.00%	56.1	0.00%
ecse0217	eCSE	0	0.0	0.00%	0.0	0.00%	37.0	0.00%
ecse0301	eCSE	0	0.0	0.00%	0.0	0.00%	47.0	0.00%
ecse0302	eCSE	3	0.0	0.00%	771.0	0.06%	22.5	0.00%
ecse0307	eCSE	20	15.0	0.00%	15.0	0.00%	41.9	0.00%
ecse0309	eCSE	288	227.0	0.02%	231.4	0.02%	113.9	0.01%
ecse0310	eCSE	0	0.0	0.00%	0.0	0.00%	20.8	0.00%
ecse0312	eCSE	0	0.0	0.00%	0.0	0.00%	52.9	0.00%
ecse0313	eCSE	5	0.0	0.00%	0.0	0.00%	23.6	0.00%
ecse0403	eCSE	0	0.0	0.00%	0.0	0.00%	49.2	0.00%
ecse0404	eCSE	0	0.0	0.00%	0.0	0.00%	40.1	0.00%
ecse0413	eCSE	0	0.0	0.00%	0.0	0.00%	36.9	0.00%
ecse0414	eCSE	18	6.0	0.00%	6.0	0.00%	35.5	0.00%
ecse0505	eCSE	18	7.7	0.00%	7.7	0.00%	60.1	0.00%
ecse0507	eCSE	0	0.0	0.00%	0.0	0.00%	47.6	0.00%
ecse0514	eCSE	57	0.9	0.00%	0.9	0.00%	39.0	0.00%
eCSE Total		409	256.5	0.02%	1,031.9	0.08%	887.6	0.07%
d43	ECDF	703	3,741.5	0.29%	4,490.0	0.35%	9,780.4	0.77%
d86	ECDF	0	0.0	0.00%	0.0	0.00%	43.1	0.00%
d25	Research	85	784.4	0.06%	784.4	0.06%	819.7	0.06%
d35	Research	91	256.2	0.02%	256.2	0.02%	218.2	0.02%
d37	Research	0	0.0	0.00%	0.0	0.00%	931.5	0.07%
d56	Research	498	1,731.5	0.14%	1,731.5	0.14%	1,639.3	0.13%
d60	Research	0	0.0	0.00%	0.0	0.00%	978.0	0.08%
d62	Research	23	2.0	0.00%	2.0	0.00%	326.0	0.03%
d63	Research	0	0.0	0.00%	0.0	0.00%	326.0	0.03%
d65	Research	14	31.1	0.00%	31.1	0.00%	164.9	0.01%
d67	Research	4	0.1	0.00%	0.1	0.00%	163.0	0.01%
d69	Research	0	0.0	0.00%	0.0	0.00%	163.9	0.01%
d71	Research	75	2,610.1	0.20%	2,610.1	0.20%	1,871.7	0.15%
d72	Research	0	0.0	0.00%	0.0	0.00%	163.9	0.01%
d78	Research	0	0.0	0.00%	0.0	0.00%	162.6	0.01%
d79	Research	0	0.0	0.00%	0.0	0.00%	327.8	0.03%
d87	Research	0	0.0	0.00%	0.0	0.00%	3,295.9	0.26%
d88	Research	0	0.0	0.00%	0.0	0.00%	20.5	0.00%
d89	Research	140	13.3	0.00%	10.4	0.00%	838.0	0.07%
d93	Research	1	0.0	0.00%	0.0	0.00%	651.9	0.05%
d96	Research	115	415.0	0.03%	415.0	0.03%	1,639.3	0.13%
d97	Research	0	0.0	0.00%	0.0	0.00%	214.2	0.02%
d98	Research	0	0.0	0.00%	0.0	0.00%	2,465.8	0.19%
d99	Research	39	120.0	0.01%	120.0	0.01%	3,709.6	0.29%
d100	Research	0	0.0	0.00%	0.0	0.00%	704.4	0.06%
d101	Research	0	0.0	0.00%	0.0	0.00%	814.8	0.06%
d90	Industrial	0	0.0	0.00%	0.0	0.00%	491.6	0.04%
d92	Industrial	0	0.0	0.00%	0.0	0.00%	1.0	0.00%
d102	Industrial	4	6.4	0.00%	6.4	0.00%	27.9	0.00%
i13	Industrial	0	0.0	0.00%	0.0	0.00%	19.6	0.00%
i19	Industrial	2	16.3	0.00%	16.5	0.00%	14.7	0.00%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	4.5	0.00%
x08	Industrial	117	397.1	0.03%	397.1	0.03%	1,318.1	0.10%
d91	Training	0	0.0	0.00%	0.0	0.00%	245.8	0.02%
d80	Service	44	115.0	0.01%	115.0	0.01%	162.8	0.01%
d82	Service	0	0.0	0.00%	0.0	0.00%	903.5	0.07%
d103	Service	0	0.0	0.00%	0.0	0.00%	8.8	0.00%
y01	Service	0	0.0	0.00%	0.0	0.00%	16.3	0.00%
y02	Service	50	2,414.5	0.19%	2,414.5	0.19%	326.0	0.03%
y07	Service	23	1.5	0.00%	2.0	0.00%	147.0	0.01%
z02	Service	4	0.0	0.00%	0.3	0.00%	151.2	0.01%
z99	Service	31	0.2	0.00%	0.2	0.00%	8.2	0.00%
d84	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	175.6	0.01%
d85	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	197.8	0.02%
d111	UoE Seedcorn	5	15.0	0.00%	15.0	0.00%	31.0	0.00%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
d83	UoE Supercomputing	3	6.5	0.00%	6.5	0.00%	9,157.0	0.72%
d95	UoE Supercomputing	0	0.0	0.00%	0.0	0.00%	5,108.7	0.40%
DirectorsTime Total		2,071	12,677.5	0.99%	13,424.1	1.05%	50,951.8	4.00%
y14	Training	10	149.3	0.01%	149.2	0.01%	573.8	0.04%
z01	Service	374	1,883.8	0.15%	1,884.0	0.15%	6,520.3	0.51%
CSE Total		384	2,033.1	0.16%	2,033.1	0.16%	7,094.0	0.56%
d94	Industrial	0	0.0	0.00%	0.0	0.00%	17.4	0.00%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	2,927.4	0.23%
Industrial Total		0	0.0	0.00%	0.0	0.00%	2,944.8	0.23%
w03	Service	0	0.0	0.00%	0.0	0.00%	892.6	0.07%
y21	Service	0	0.0	0.00%	0.0	0.00%	163.0	0.01%
Internal Total		0	0.0	0.00%	0.0	0.00%	1,055.6	0.08%
Total		134,153	1,011,714.4	79.33%	1,033,591.1	81.05%	1,342,547.3	105.28%



Uncharged Use by Project

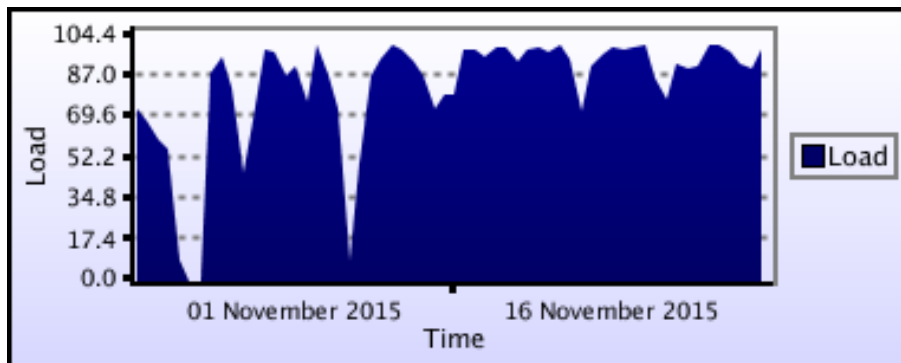




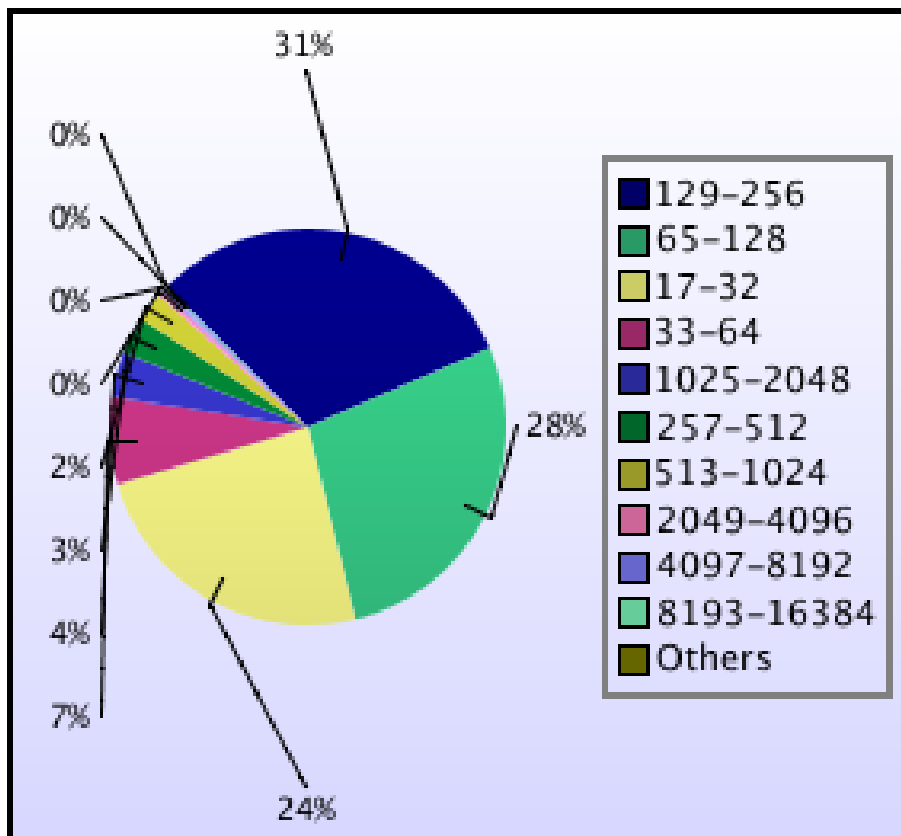
kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	10,223.92	32,534
33-64	24,263.354	9,559
65-128	84,681.835	37,012
129-256	118,020.051	41,571
257-512	118,852.511	4,069
513-1024	207,004.199	3,194
1025-2048	156,379.21	4,941
2049-4096	107,485.589	651
4097-8192	142,719.22	404
8193-16384	36,150.549	188
16385-32768	2,014.415	20
32769-65536	3,910.41	7

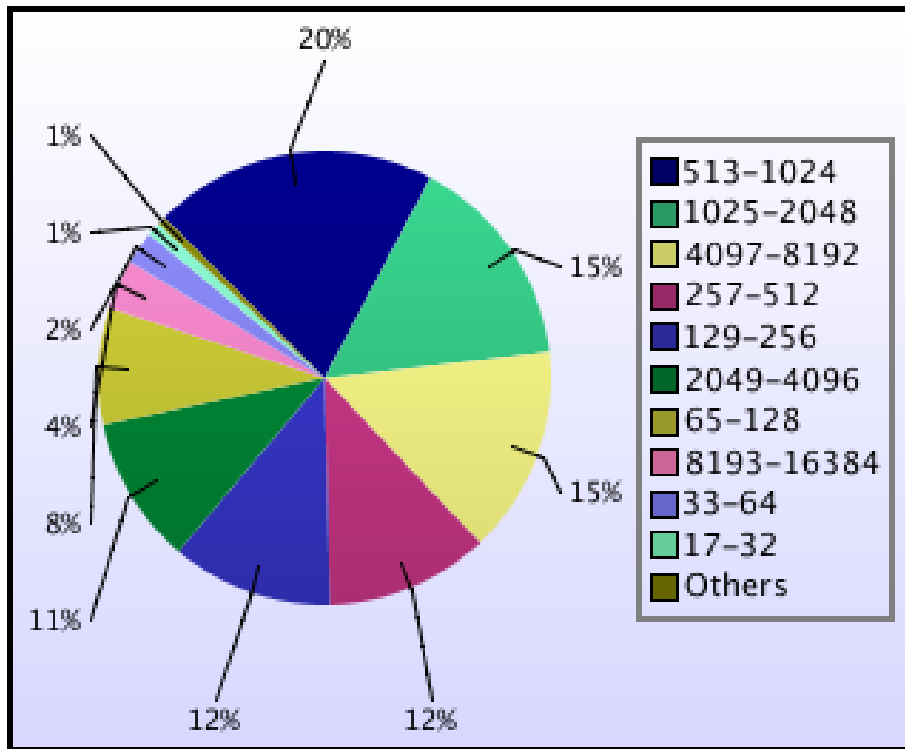
Load plots



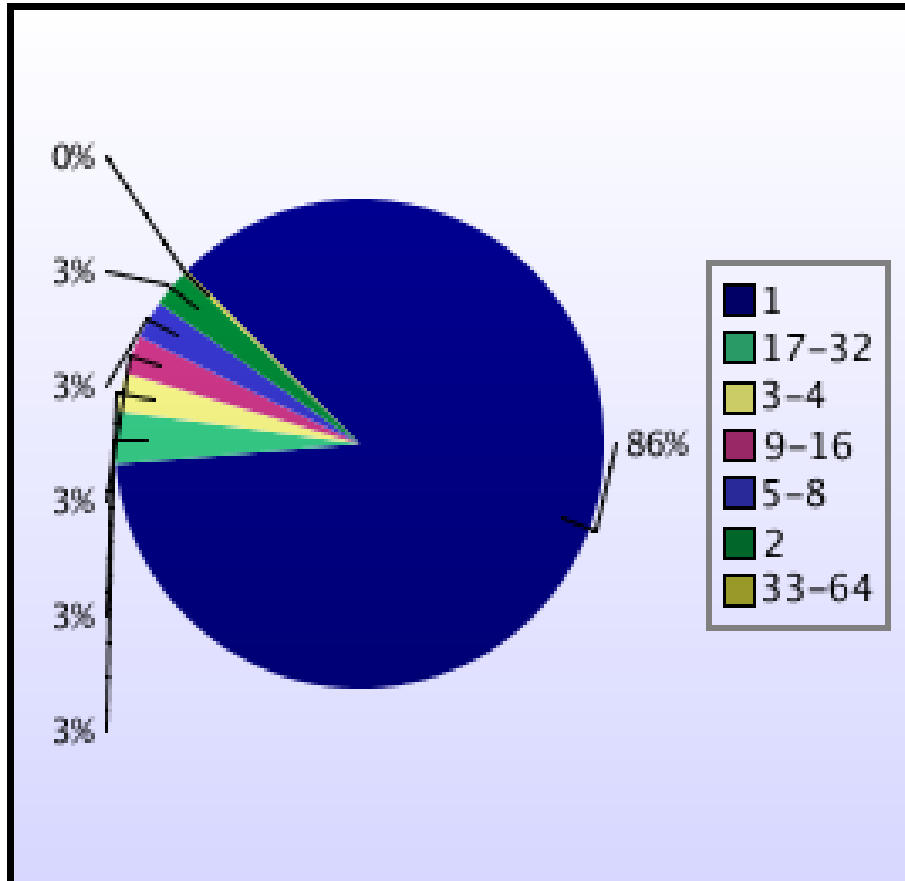
Percentage load on machine



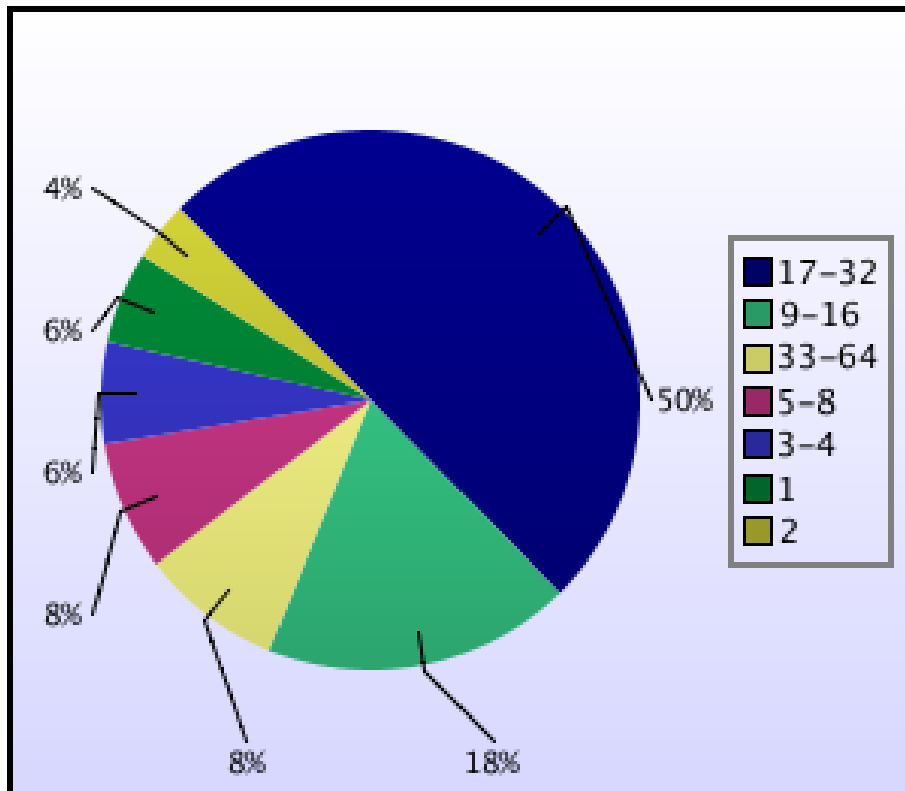
Jobs by Size



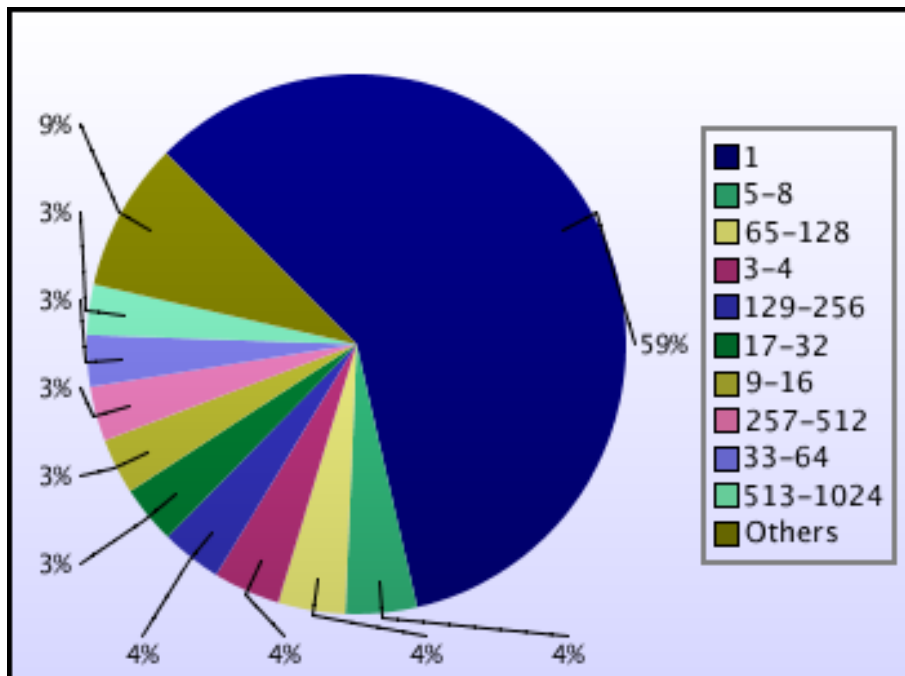
kAUs used by Size



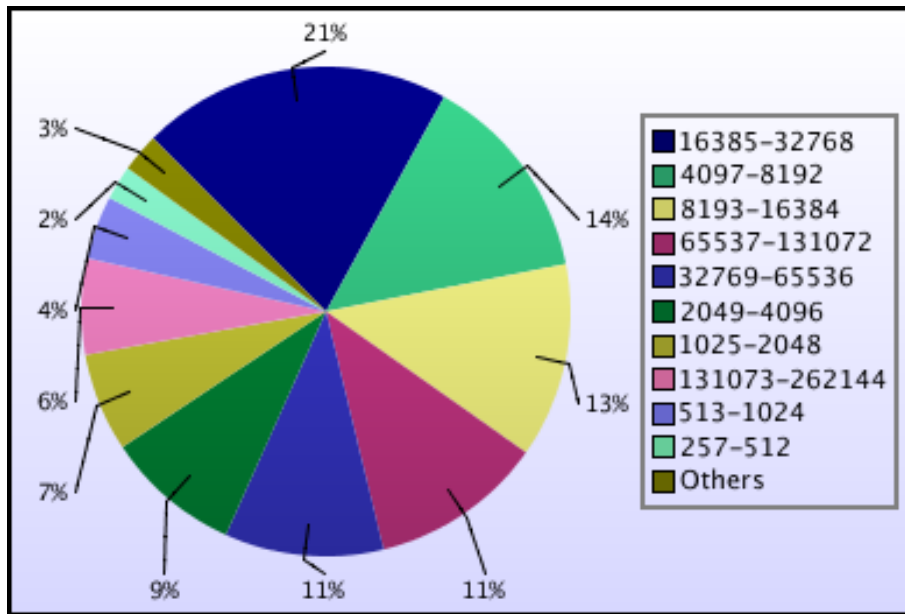
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

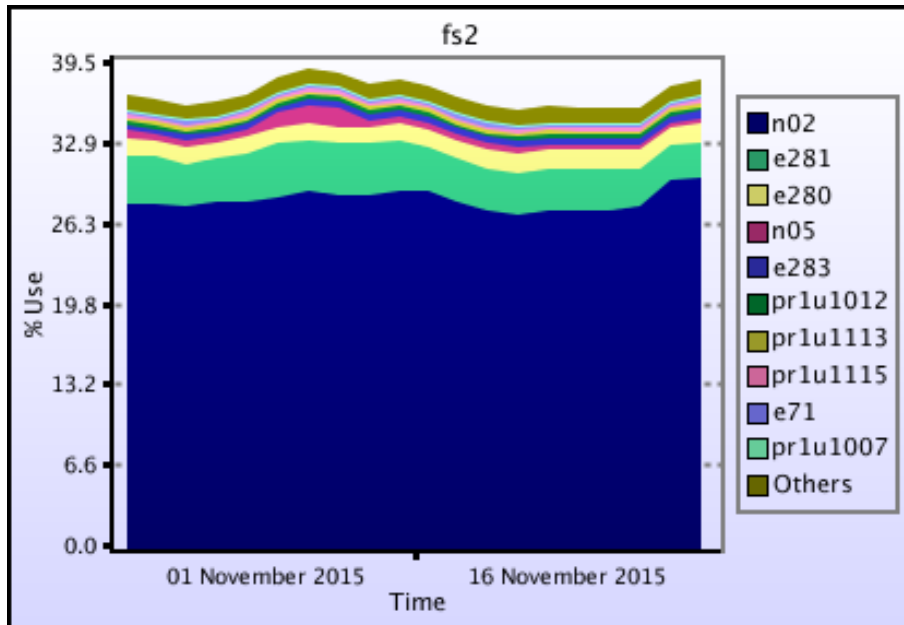


kAUs used grouped by core-hours

Disk usage

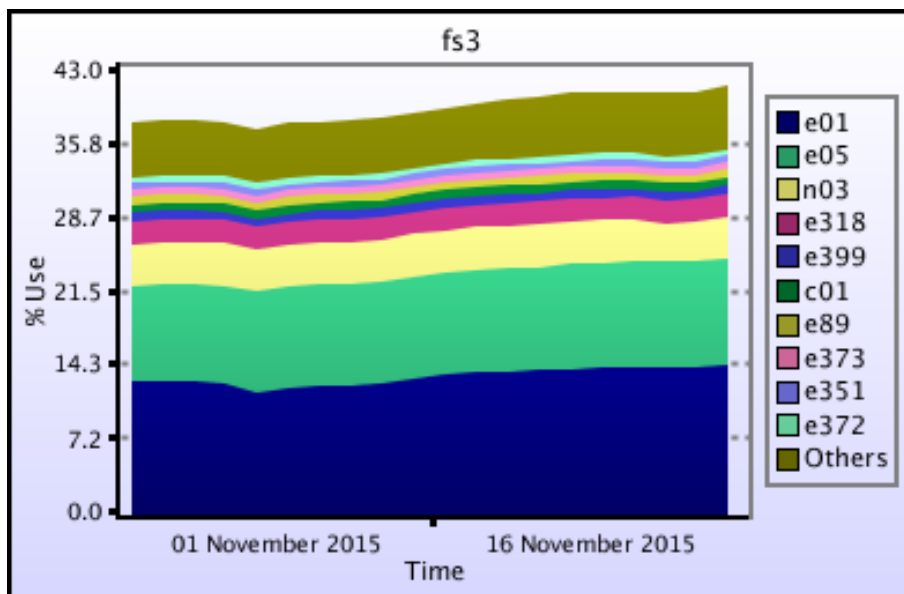
Disk usage for work (fs2)

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.



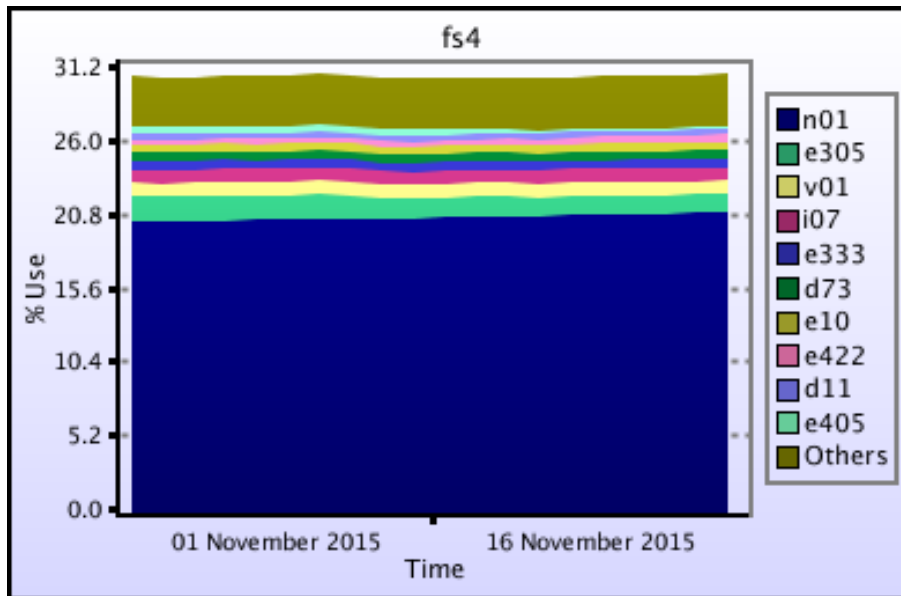
Disk usage for work (fs3)

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.



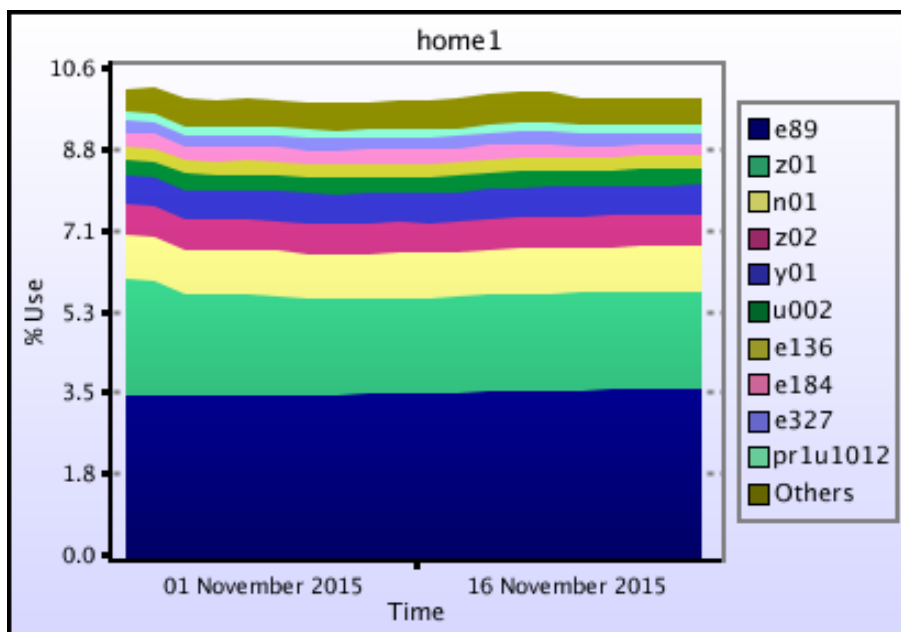
Disk usage for work (fs4)

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.



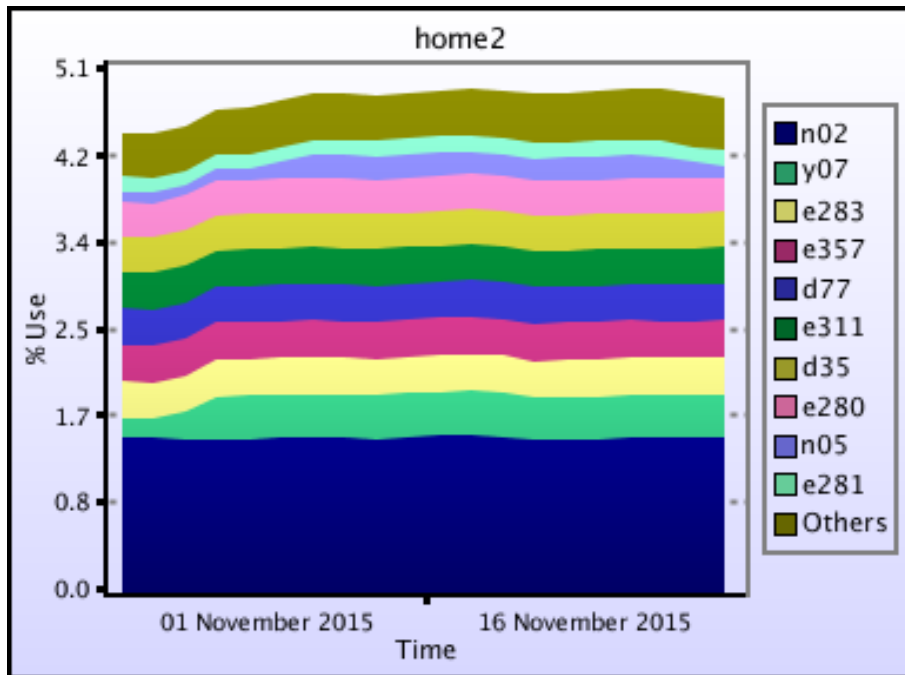
Disk usage for home (home1)

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.



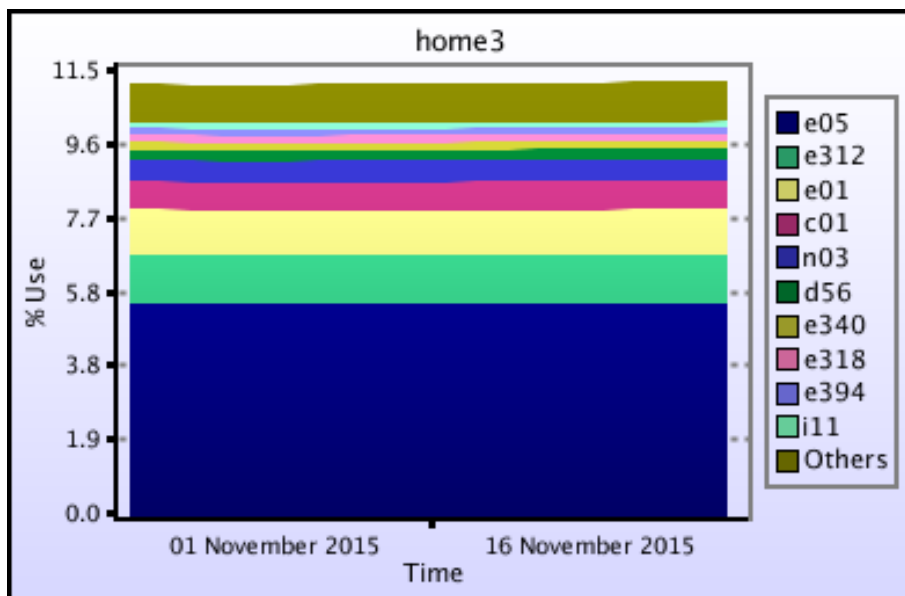
Disk usage for home (home2)

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.

