

Monthly Reporting

Report from 01 October 2015 to 31 October 2015

Report for Resource Pool XC on ARCHER

A total of 1,319,543.997 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.

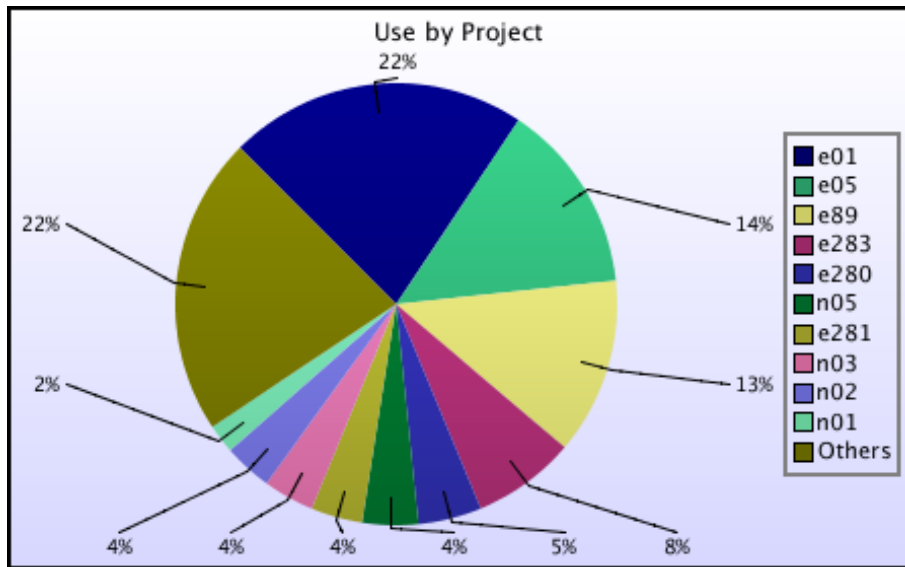
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	1,758	249,852.0	18.93%	255,217.4	19.34%	93,539.2	7.09%
e05	Consortia	17,436	161,582.1	12.25%	162,803.7	12.34%	181,583.4	13.76%
e89	Consortia	9,676	150,340.6	11.39%	150,805.6	11.43%	159,821.1	12.11%
e280	Consortia	4,625	54,096.5	4.10%	54,129.7	4.10%	54,269.9	4.11%
e281	Consortia	1,276	44,031.2	3.34%	44,034.5	3.34%	27,443.1	2.08%
e283	Consortia	1,486	88,032.0	6.67%	88,067.7	6.67%	21,851.8	1.66%
e305	Consortia	1,313	18,869.3	1.43%	18,884.8	1.43%	29,781.3	2.26%
e410	Leadership Awards	100	8,393.9	0.64%	8,393.9	0.64%	7,506.6	0.57%
e411	Leadership Awards	2,688	15,843.4	1.20%	15,873.4	1.20%	10,379.4	0.79%
e412	Leadership Awards	0	0.0	0.00%	0.0	0.00%	5,294.8	0.40%
e413	Leadership Awards	66	9,953.4	0.75%	9,953.8	0.75%	8,441.7	0.64%
e414	Leadership Awards	0	0.0	0.00%	0.0	0.00%	6,852.5	0.52%
e421	Leadership Awards	20	20,351.6	1.54%	20,351.6	1.54%	19,161.9	1.45%
e422	Leadership Awards	5	424.4	0.03%	424.4	0.03%	6,115.3	0.46%
e424	Leadership Awards	37	2,081.3	0.16%	2,081.3	0.16%	13,713.1	1.04%
c01	Class1a	85	27.3	0.00%	27.3	0.00%	1,779.3	0.13%
e10	Class1a	29	244.5	0.02%	244.5	0.02%	7,884.3	0.60%
e71	Class1a	191	2,604.6	0.20%	2,604.6	0.20%	2,921.3	0.22%
e110	Class1a	64	5,120.9	0.39%	5,120.9	0.39%	5,060.0	0.38%
e125	Class1a	68	6,394.1	0.48%	6,394.1	0.48%	4,246.4	0.32%
e174	Class1a	0	0.0	0.00%	0.0	0.00%	5,877.7	0.45%
e179	Class1a	3	30.4	0.00%	30.4	0.00%	3,597.9	0.27%
e184	Class1a	72	152.1	0.01%	152.1	0.01%	3,841.8	0.29%
e202	Class1a	27	106.4	0.01%	106.4	0.01%	25,854.3	1.96%
e220	Class1a	1	0.0	0.00%	0.4	0.00%	412.4	0.03%
e228	Class1a	32	2,242.0	0.17%	2,242.0	0.17%	494.8	0.04%
e229	Class1a	0	0.0	0.00%	0.0	0.00%	464.2	0.04%
e266	Class1a	529	18,694.0	1.42%	18,694.1	1.42%	7,154.6	0.54%
e272	Class1a	198	224.8	0.02%	224.8	0.02%	2,205.1	0.17%
e282	Class1a	28	1.9	0.00%	1.9	0.00%	759.9	0.06%
e290	Class1a	282	37.5	0.00%	37.5	0.00%	113.7	0.01%
e300	Class1a	22	473.5	0.04%	473.5	0.04%	761.6	0.06%
e301	Class1a	150	2,298.8	0.17%	2,298.8	0.17%	2,047.1	0.16%
e304	Class1a	2,139	13,768.6	1.04%	13,772.7	1.04%	6,427.6	0.49%
e320	Class1a	0	0.0	0.00%	0.0	0.00%	2,296.2	0.17%
e330	Class1a	0	0.0	0.00%	0.0	0.00%	172.9	0.01%

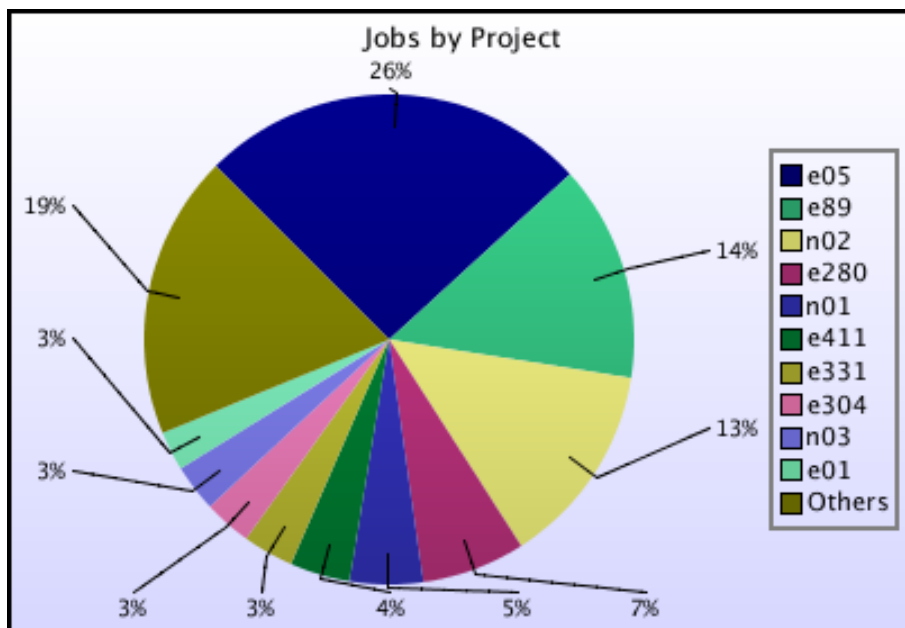
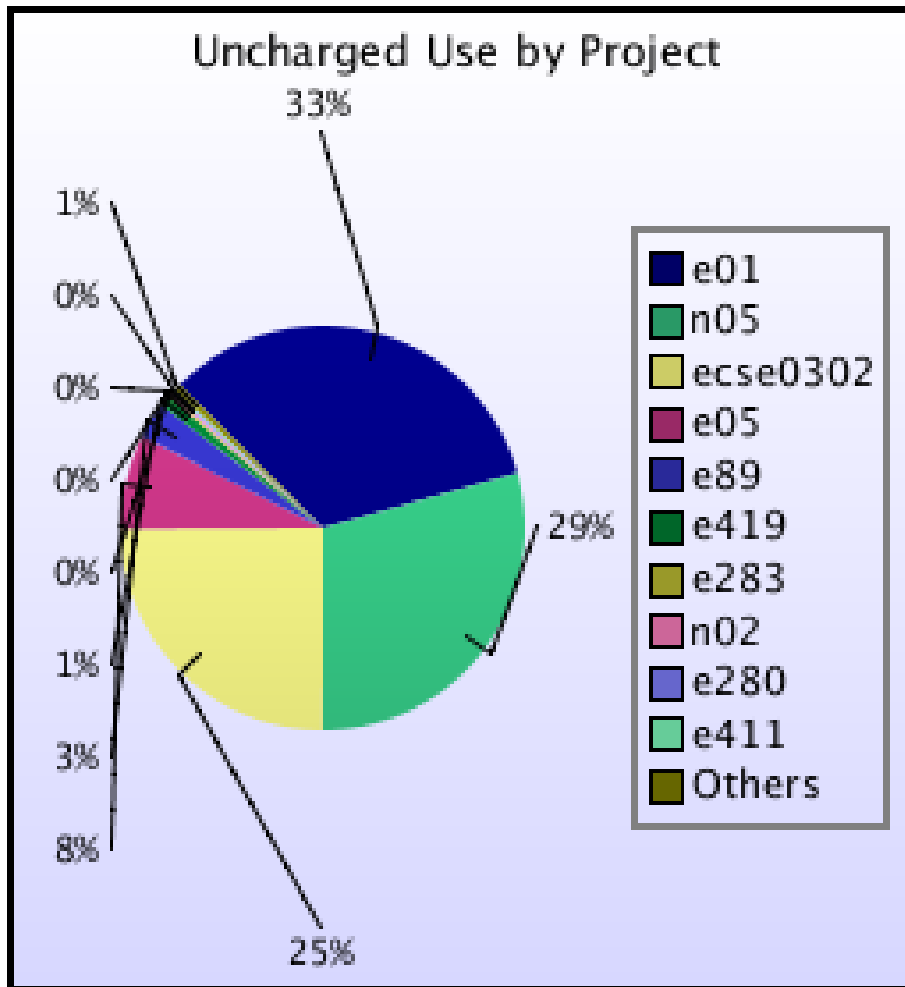
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e331	Class1a	2,271	1,869.4	0.14%	1,869.4	0.14%	1,414.0	0.11%
e332	Class1a	0	0.0	0.00%	0.0	0.00%	673.2	0.05%
e336	Class1a	0	0.0	0.00%	0.0	0.00%	180.3	0.01%
e343	Class1a	85	196.9	0.01%	196.9	0.01%	1,511.2	0.11%
e358	Class1a	0	0.0	0.00%	0.0	0.00%	749.8	0.06%
e364	Class1a	11	0.3	0.00%	0.3	0.00%	799.9	0.06%
e365	Class1a	0	0.0	0.00%	0.0	0.00%	1,430.9	0.11%
e375	Class1a	0	0.0	0.00%	0.0	0.00%	2,934.1	0.22%
e377	Class1a	177	3,547.5	0.27%	3,547.5	0.27%	1,829.0	0.14%
e378	Class1a	0	0.0	0.00%	0.0	0.00%	4,939.9	0.37%
e385	Class1a	64	12,901.1	0.98%	12,901.1	0.98%	16,510.3	1.25%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	8.5	0.00%
e429	Class1a	40	6,240.3	0.47%	6,240.3	0.47%	3,373.3	0.26%
e431	Class1a	14	1.9	0.00%	1.9	0.00%	715.0	0.05%
e446	Class1a	0	0.0	0.00%	0.0	0.00%	10,489.6	0.79%
e448	Class1a	4	236.7	0.02%	236.7	0.02%	16,962.7	1.29%
e451	Class1a	0	0.0	0.00%	0.0	0.00%	1,781.6	0.14%
e418	Class1b	49	5,033.6	0.38%	5,033.6	0.38%	3,559.0	0.27%
e316	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	556.3	0.04%
e321	Direct Access: ARCHER RAP	7	156.6	0.01%	156.6	0.01%	3,307.6	0.25%
e323	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	1,196.5	0.09%
e338	Direct Access: ARCHER RAP	243	12,998.6	0.99%	12,998.6	0.99%	5,410.5	0.41%
e339	Direct Access: ARCHER RAP	34	1,738.2	0.13%	1,738.2	0.13%	4,361.8	0.33%
e347	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	23.5	0.00%
e348	Direct Access: ARCHER RAP	40	784.8	0.06%	784.8	0.06%	2,914.1	0.22%
e356	Direct Access: ARCHER RAP	12	1,397.1	0.11%	1,397.1	0.11%	951.2	0.07%
e360	Direct Access: ARCHER RAP	65	2,804.6	0.21%	2,804.6	0.21%	1,800.2	0.14%
e370	Direct Access: ARCHER RAP	305	4,693.0	0.36%	4,693.0	0.36%	2,122.5	0.16%
e371	Direct Access: ARCHER RAP	91	4,853.4	0.37%	4,853.4	0.37%	3,114.4	0.24%
e373	Direct Access: ARCHER RAP	60	6,821.2	0.52%	6,821.2	0.52%	2,495.7	0.19%
e392	Direct Access: ARCHER RAP	153	12,331.0	0.93%	12,331.0	0.93%	7,931.0	0.60%
e393	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	2,129.2	0.16%
e394	Direct Access: ARCHER RAP	25	190.8	0.01%	190.8	0.01%	2,393.1	0.18%
e397	Direct Access: ARCHER RAP	33	4,366.5	0.33%	4,366.5	0.33%	1,664.8	0.13%
e398	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	2,789.0	0.21%
e399	Direct Access: ARCHER RAP	305	1,037.0	0.08%	1,037.0	0.08%	4,604.6	0.35%
e400	Direct Access: ARCHER RAP	13	4,040.3	0.31%	4,040.3	0.31%	2,008.1	0.15%
e402	Direct Access: ARCHER RAP	78	644.1	0.05%	644.1	0.05%	725.3	0.05%
e419	Direct Access: ARCHER RAP	149	180.9	0.01%	316.0	0.02%	5,293.7	0.40%
e420	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	3,671.3	0.28%
e359	Instant Access	685	1,221.5	0.09%	1,221.6	0.09%	2,951.7	0.22%
e407	Instant Access	0	0.0	0.00%	0.0	0.00%	1,575.1	0.12%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e408	Instant Access	85	639.8	0.05%	639.8	0.05%	2,260.6	0.17%
e409	Instant Access	0	0.0	0.00%	0.0	0.00%	13.0	0.00%
e416	Instant Access	0	0.0	0.00%	0.0	0.00%	203.5	0.02%
e417	Instant Access	0	0.0	0.00%	0.0	0.00%	173.2	0.01%
e423	Instant Access	0	0.0	0.00%	0.0	0.00%	101.5	0.01%
e425	Instant Access	0	0.0	0.00%	0.0	0.00%	181.5	0.01%
e428	Instant Access	38	111.5	0.01%	111.5	0.01%	194.8	0.01%
e430	Instant Access	5	92.0	0.01%	92.0	0.01%	202.4	0.02%
e433	Instant Access	14	3.8	0.00%	3.8	0.00%	202.4	0.02%
e435	Instant Access	0	0.0	0.00%	0.0	0.00%	202.4	0.02%
e436	Instant Access	3	207.9	0.02%	207.9	0.02%	202.4	0.02%
e438	Instant Access	11	1,112.0	0.08%	1,112.0	0.08%	204.6	0.02%
e439	Instant Access	10	432.9	0.03%	432.9	0.03%	205.8	0.02%
e440	Instant Access	0	0.0	0.00%	0.0	0.00%	203.5	0.02%
e445	Instant Access	0	0.0	0.00%	0.0	0.00%	60.7	0.00%
e447	Instant Access	12	948.0	0.07%	948.0	0.07%	203.6	0.02%
e449	Instant Access	23	140.7	0.01%	140.7	0.01%	164.2	0.01%
e450	Instant Access	10	0.0	0.00%	0.1	0.00%	80.7	0.01%
r10	RDF: Pilot	0	0.0	0.00%	0.0	0.00%	2.8	0.00%
i07	Industrial	0	0.0	0.00%	0.0	0.00%	1,120.1	0.08%
e415	Training	44	407.5	0.03%	426.4	0.03%	2,226.0	0.17%
e437	Training	19	68.8	0.01%	68.8	0.01%	2,544.4	0.19%
e382	Service	57	307.6	0.02%	307.6	0.02%	2,744.1	0.21%
EPSRC Total		49,750	971,032.7	73.59%	978,361.7	74.14%	879,680.2	66.67%
n01	Consortia	3,273	24,914.7	1.89%	24,931.5	1.89%	65,756.2	4.98%
n02	Consortia	9,102	41,178.9	3.12%	41,212.4	3.12%	233,471.5	17.69%
n03	Consortia	2,107	43,668.2	3.31%	43,648.5	3.31%	52,752.4	4.00%
n05	Leadership Awards	46	43,035.9	3.26%	47,804.0	3.62%	50,876.4	3.86%
NERC Total		14,528	152,797.7	11.58%	157,596.4	11.94%	402,856.5	30.53%
b14	Class1a	0	0.0	0.00%	0.0	0.00%	277.2	0.02%
b16	Class1a	0	0.0	0.00%	0.0	0.00%	425.2	0.03%
e329	Class1a	3	830.9	0.06%	830.9	0.06%	380.1	0.03%
b17	Research	0	0.0	0.00%	0.0	0.00%	366.6	0.03%
BBSRC Total		3	830.9	0.06%	830.9	0.06%	1,449.2	0.11%
pr1u0905	DECI: EXEC	110	518.5	0.04%	518.5	0.04%	49.3	0.00%
pr1u1204	DECI: EXEC	1	339.5	0.03%	339.5	0.03%	0.0	0.00%
PRACE Total		111	858.0	0.07%	858.0	0.07%	49.3	0.00%
ecse0102	eCSE	0	0.0	0.00%	0.0	0.00%	25.1	0.00%
ecse0103	eCSE	0	0.0	0.00%	0.0	0.00%	46.8	0.00%
ecse0115	eCSE	0	0.0	0.00%	0.0	0.00%	38.2	0.00%
ecse0119	eCSE	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ecse0211	eCSE	0	0.0	0.00%	0.0	0.00%	41.9	0.00%
ecse0213	eCSE	0	0.0	0.00%	0.0	0.00%	58.0	0.00%
ecse0217	eCSE	0	0.0	0.00%	0.0	0.00%	38.3	0.00%
ecse0301	eCSE	0	0.0	0.00%	0.0	0.00%	48.6	0.00%
ecse0302	eCSE	14	0.0	0.00%	4,036.5	0.31%	23.3	0.00%
ecse0303	eCSE	13	0.1	0.00%	0.1	0.00%	61.1	0.00%
ecse0307	eCSE	0	0.0	0.00%	0.0	0.00%	43.3	0.00%
ecse0308	eCSE	0	0.0	0.00%	0.0	0.00%	48.7	0.00%
ecse0309	eCSE	57	12.9	0.00%	12.9	0.00%	117.8	0.01%
ecse0310	eCSE	0	0.0	0.00%	0.0	0.00%	21.5	0.00%
ecse0312	eCSE	0	0.0	0.00%	0.0	0.00%	54.8	0.00%
ecse0313	eCSE	5	0.0	0.00%	0.0	0.00%	24.4	0.00%
ecse0403	eCSE	0	0.0	0.00%	0.0	0.00%	50.9	0.00%
ecse0404	eCSE	0	0.0	0.00%	0.0	0.00%	41.5	0.00%
ecse0413	eCSE	0	0.0	0.00%	0.0	0.00%	38.2	0.00%
ecse0414	eCSE	3	0.0	0.00%	0.0	0.00%	36.8	0.00%
ecse0505	eCSE	3	1.7	0.00%	1.7	0.00%	62.1	0.00%
ecse0507	eCSE	27	2.0	0.00%	2.0	0.00%	20.7	0.00%
ecse0514	eCSE	10	1.0	0.00%	1.0	0.00%	40.4	0.00%
ecsepr01	eCSE	0	0.0	0.00%	0.0	0.00%	83.9	0.01%
ecsepr02	eCSE	0	0.0	0.00%	0.0	0.00%	84.4	0.01%

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ecsepr03	eCSE	0	0.0	0.00%	0.0	0.00%	83.9	0.01%
ecsepr04	eCSE	0	0.0	0.00%	0.0	0.00%	83.9	0.01%
ecsepr05	eCSE	0	0.0	0.00%	0.0	0.00%	83.9	0.01%
ecsepr06	eCSE	0	0.0	0.00%	0.0	0.00%	83.9	0.01%
ecsepr07	eCSE	0	0.0	0.00%	0.0	0.00%	83.9	0.01%
ecsepr08	eCSE	0	0.0	0.00%	0.0	0.00%	83.9	0.01%
ecsepr09	eCSE	0	0.0	0.00%	0.0	0.00%	84.6	0.01%
ecsepr10	eCSE	0	0.0	0.00%	0.0	0.00%	83.9	0.01%
ecsepr11	eCSE	0	0.0	0.00%	0.0	0.00%	84.6	0.01%
ecsepr12	eCSE	0	0.0	0.00%	0.0	0.00%	84.6	0.01%
ecsepr13	eCSE	20	1,980.1	0.15%	1,980.1	0.15%	83.9	0.01%
ecsepr14	eCSE	0	0.0	0.00%	0.0	0.00%	84.6	0.01%
ecsepr15	eCSE	0	0.0	0.00%	0.0	0.00%	83.9	0.01%
ecsepr16	eCSE	0	0.0	0.00%	0.0	0.00%	133.2	0.01%
ecseta01	eCSE	0	0.0	0.00%	0.0	0.00%	83.9	0.01%
ecseta02	eCSE	0	0.0	0.00%	0.0	0.00%	84.6	0.01%
ecseta03	eCSE	0	0.0	0.00%	0.0	0.00%	87.7	0.01%
eCSE Total		152	1,997.8	0.15%	6,034.3	0.46%	2,652.2	0.20%
d43	ECDF	625	10,972.9	0.83%	10,973.2	0.83%	10,120.0	0.77%
d86	ECDF	8	0.0	0.00%	0.0	0.00%	44.6	0.00%
d25	Research	78	485.4	0.04%	485.4	0.04%	848.1	0.06%
d35	Research	56	4.7	0.00%	4.7	0.00%	225.8	0.02%
d37	Research	24	365.5	0.03%	365.5	0.03%	963.9	0.07%
d56	Research	612	3,214.3	0.24%	3,214.3	0.24%	1,696.3	0.13%
d60	Research	16	3,168.0	0.24%	3,168.0	0.24%	1,012.0	0.08%
d62	Research	33	21.4	0.00%	21.4	0.00%	337.3	0.03%
d63	Research	27	65.6	0.00%	65.6	0.00%	337.3	0.03%
d67	Research	21	0.4	0.00%	0.4	0.00%	168.7	0.01%
d69	Research	6	0.0	0.00%	0.0	0.00%	169.6	0.01%
d71	Research	87	2,839.8	0.22%	2,839.8	0.22%	1,936.7	0.15%
d72	Research	0	0.0	0.00%	0.0	0.00%	169.6	0.01%
d78	Research	0	0.0	0.00%	0.0	0.00%	168.2	0.01%
d79	Research	0	0.0	0.00%	0.0	0.00%	339.2	0.03%
d87	Research	0	0.0	0.00%	0.0	0.00%	3,410.4	0.26%
d88	Research	0	0.0	0.00%	0.0	0.00%	21.2	0.00%
d89	Research	479	19.4	0.00%	13.6	0.00%	867.1	0.07%
d93	Research	7	0.0	0.00%	0.0	0.00%	674.5	0.05%
d96	Research	15	2.2	0.00%	2.2	0.00%	1,696.3	0.13%
d97	Research	2	0.2	0.00%	0.2	0.00%	64.5	0.00%
d101	Research	0	0.0	0.00%	0.0	0.00%	843.1	0.06%
d90	Industrial	0	0.0	0.00%	0.0	0.00%	508.7	0.04%
d92	Industrial	0	0.0	0.00%	0.0	0.00%	1.0	0.00%
i13	Industrial	25	0.6	0.00%	0.6	0.00%	20.3	0.00%
i19	Industrial	8	1.4	0.00%	1.4	0.00%	6.4	0.00%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	4.6	0.00%
x08	Industrial	84	256.0	0.02%	256.0	0.02%	1,363.8	0.10%
d91	Training	0	0.0	0.00%	0.0	0.00%	254.4	0.02%
d80	Service	24	60.3	0.00%	60.3	0.00%	168.5	0.01%
d82	Service	0	0.0	0.00%	0.0	0.00%	934.9	0.07%
y01	Service	0	0.0	0.00%	0.0	0.00%	16.9	0.00%
y02	Service	28	12.9	0.00%	12.9	0.00%	337.3	0.03%
y07	Service	0	0.0	0.00%	0.0	0.00%	152.1	0.01%
z02	Service	12	1.2	0.00%	1.2	0.00%	156.5	0.01%
z99	Service	25	0.5	0.00%	0.5	0.00%	8.5	0.00%
d84	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	181.7	0.01%
d85	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	204.6	0.02%
d83	UoE Supercomputing	2	10.1	0.00%	10.1	0.00%	9,474.9	0.72%
d95	UoE Supercomputing	48	154.7	0.01%	154.7	0.01%	2,220.9	0.17%
DirectorsTime Total		2,352	21,657.4	1.64%	21,652.1	1.64%	42,130.5	3.19%
y14	Training	374	708.4	0.05%	497.5	0.04%	593.7	0.04%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
z01	Service	482	2,008.2	0.15%	2,028.3	0.15%	6,746.7	0.51%
CSE Total		856	2,716.6	0.21%	2,525.8	0.19%	7,340.4	0.56%
d94	Industrial	0	0.0	0.00%	0.0	0.00%	15.1	0.00%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	3,029.0	0.23%
Industrial Total		0	0.0	0.00%	0.0	0.00%	3,044.2	0.23%
w03	Service	0	0.0	0.00%	0.0	0.00%	774.8	0.06%
y21	Service	12	21.8	0.00%	21.8	0.00%	168.7	0.01%
Internal Total		12	21.8	0.00%	21.8	0.00%	943.5	0.07%
Total		67,764	1,151,912.9	87.30%	1,167,881.1	88.51%	1,340,145.9	101.56%



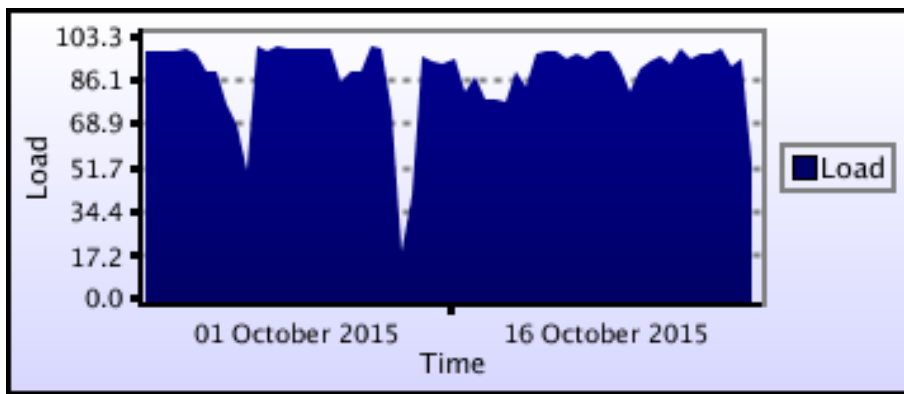


kAUs (by Size)

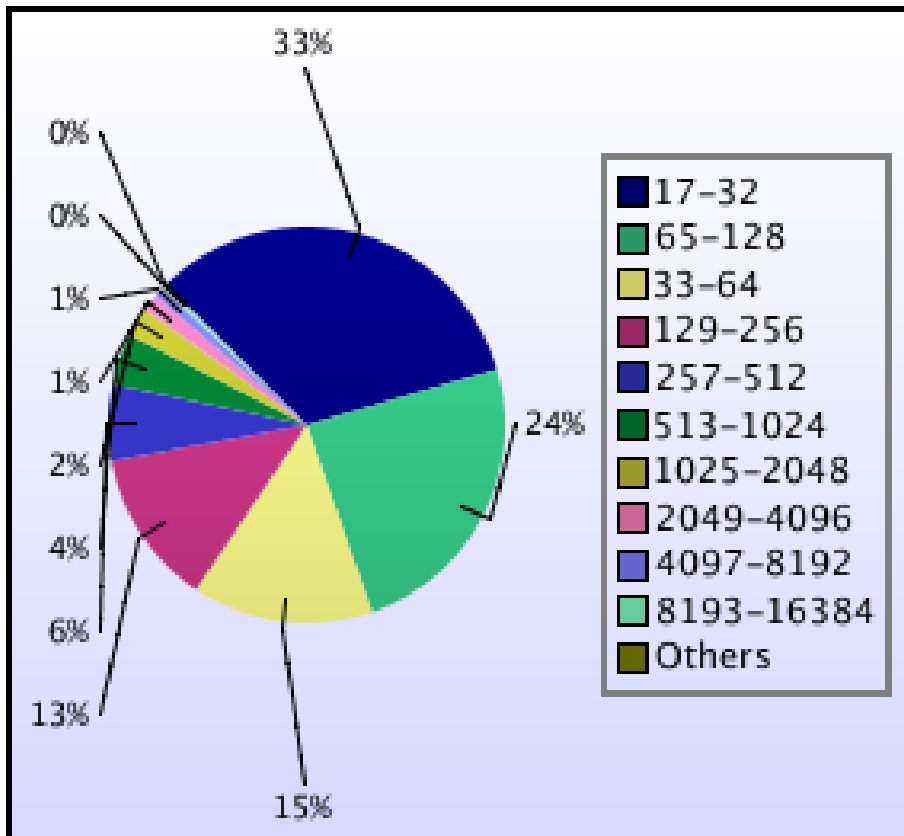
Size	kAUs	Number of Jobs
17-32	9,441.824	22,337
33-64	29,435.125	10,041

Size	kAUs	Number of Jobs
65-128	72,828.351	16,361
129-256	101,954.881	8,589
257-512	156,869.923	4,187
513-1024	172,137.154	2,855
1025-2048	166,568.151	1,608
2049-4096	118,096.385	923
4097-8192	181,239.357	602
8193-16384	109,310.027	214
16385-32768	25,419.381	32
32769-65536	7,897.393	5

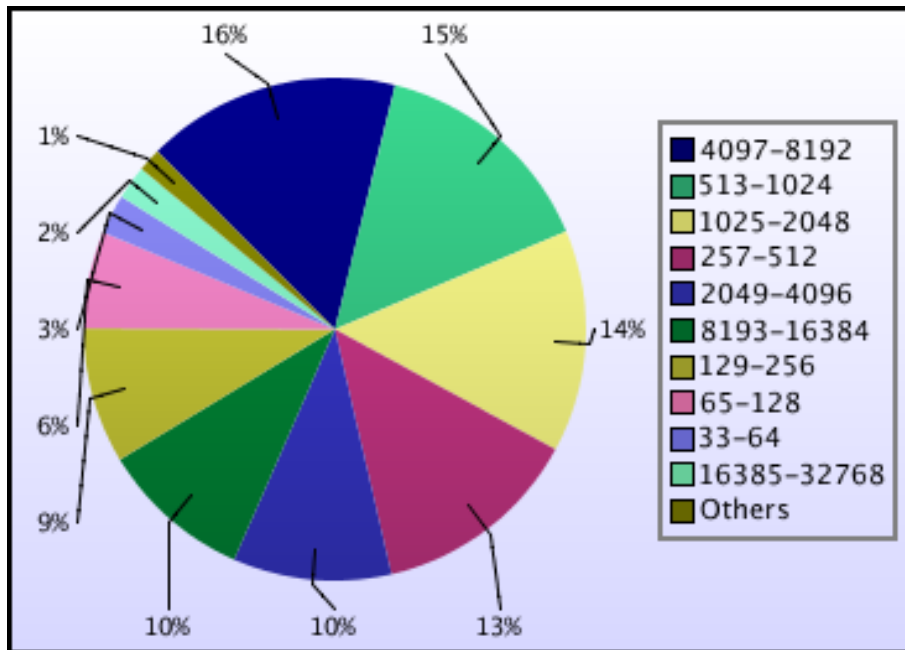
Load plots



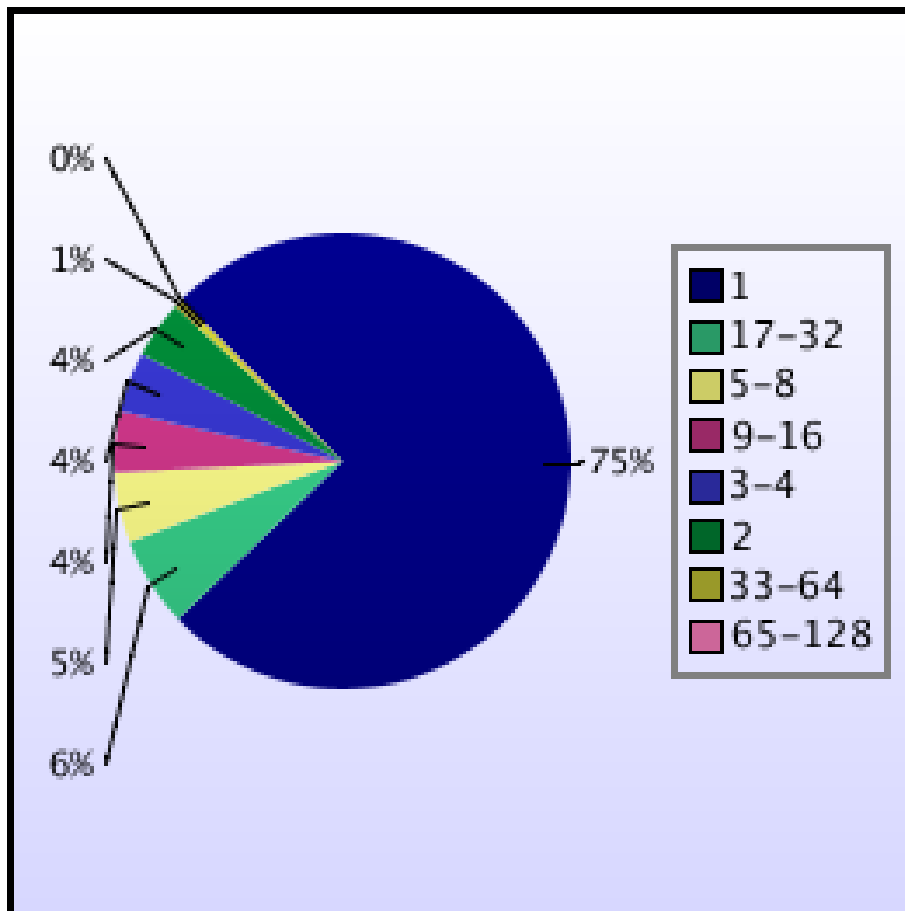
Percentage load on machine



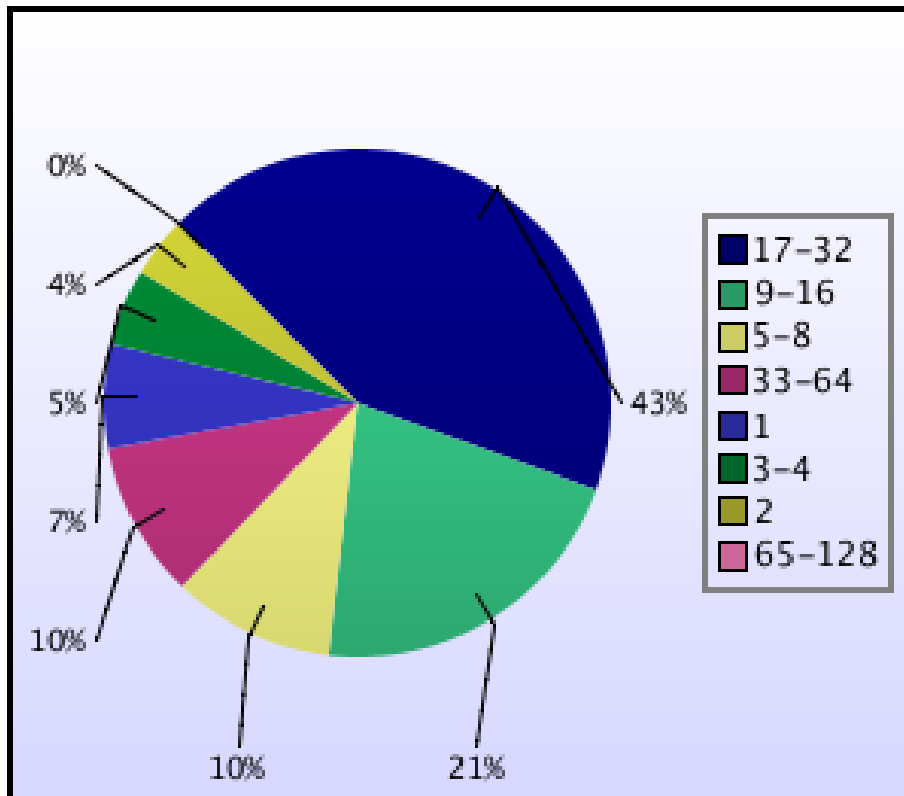
Jobs by Size



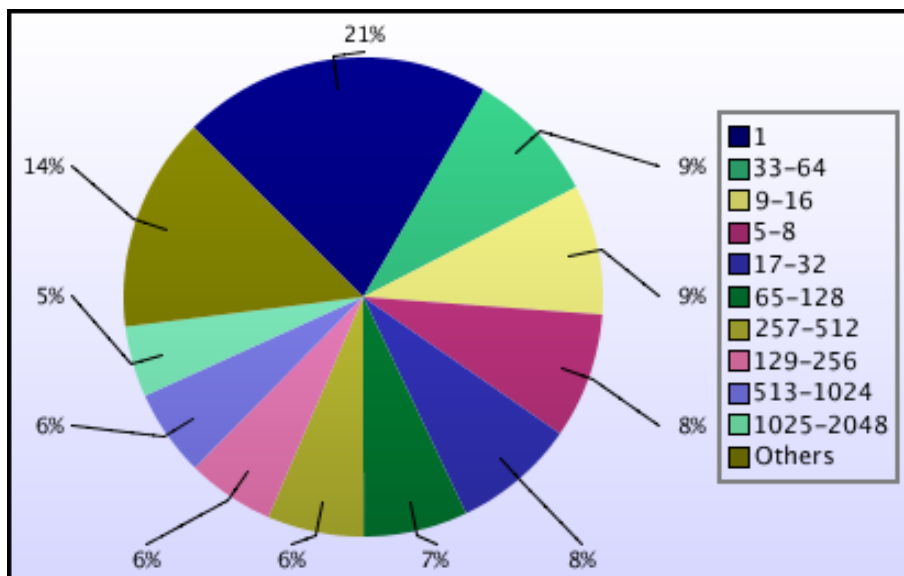
kAUs used by Size



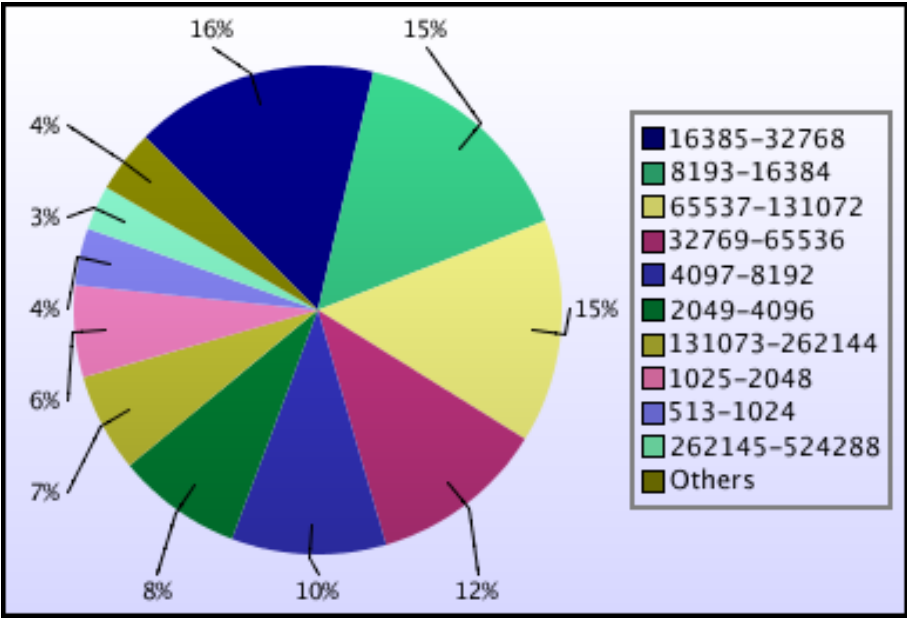
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

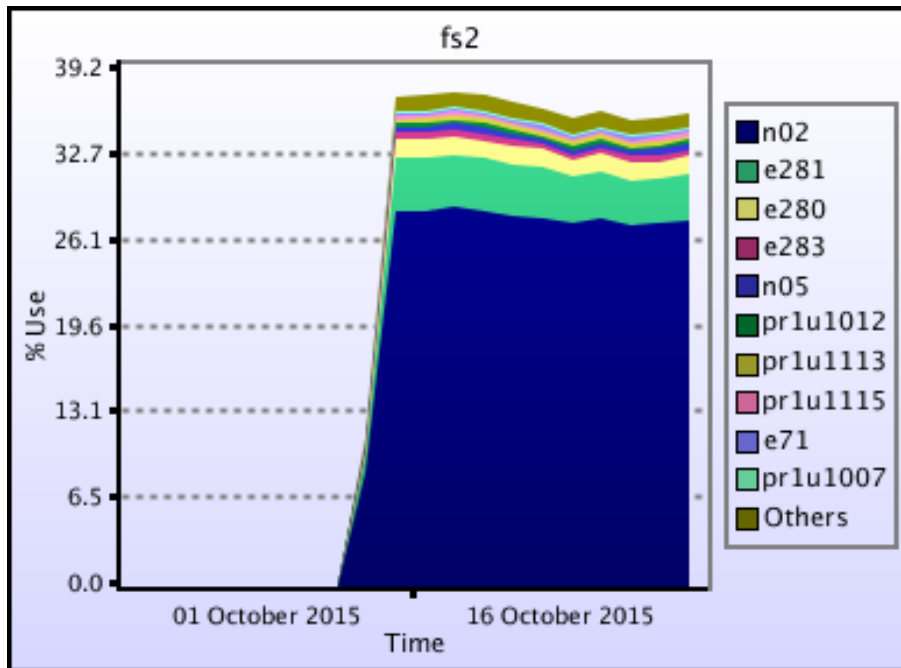


kAUs used grouped by core-hours

Disk usage

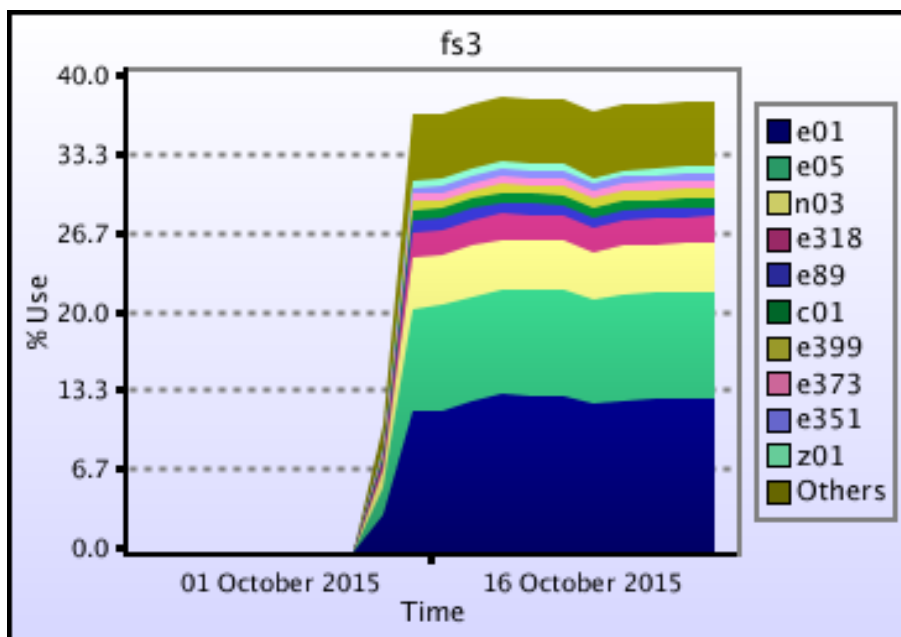
Disk usage for work (fs2)

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.



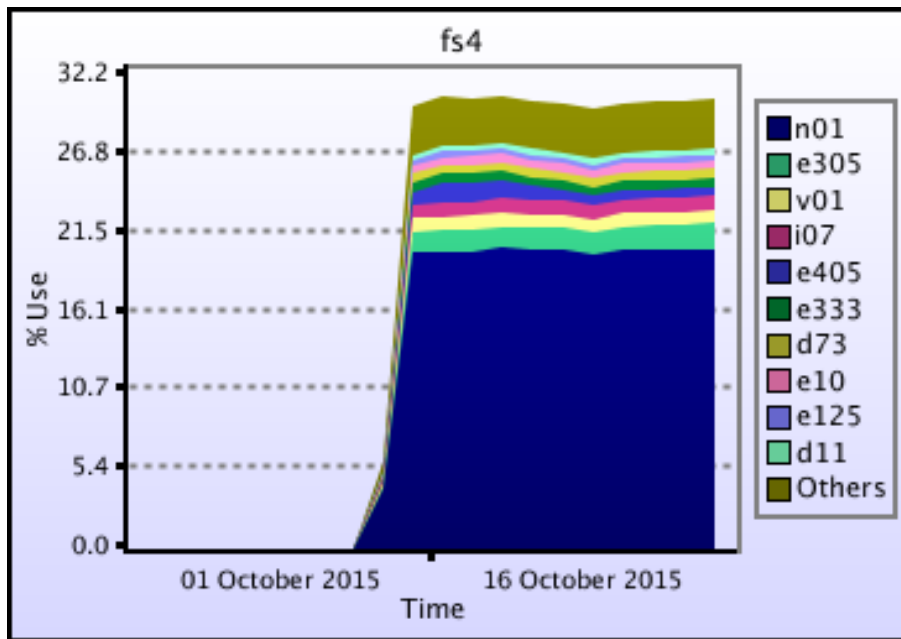
Disk usage for work (fs3)

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.



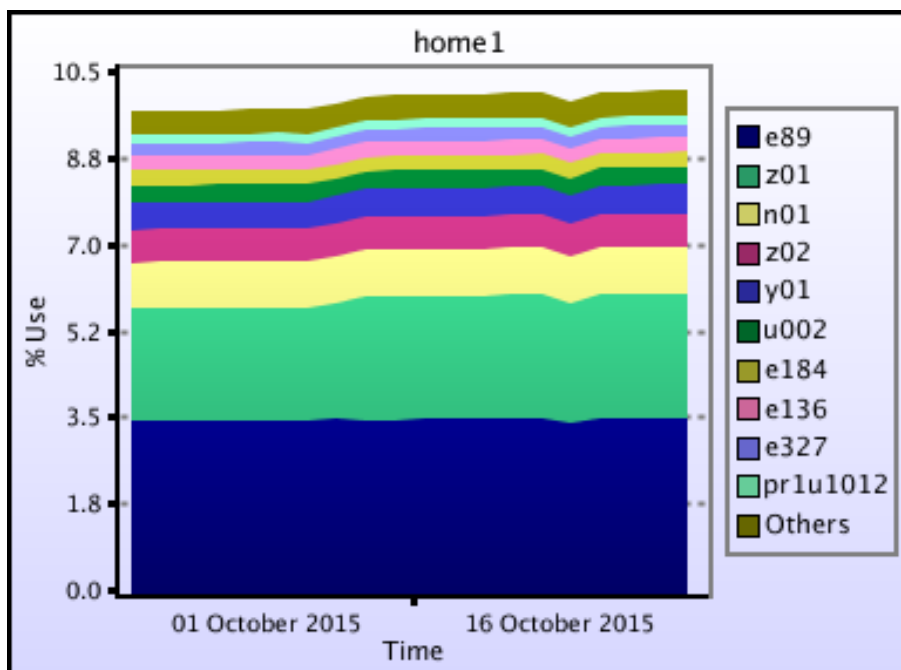
Disk usage for work (fs4)

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.



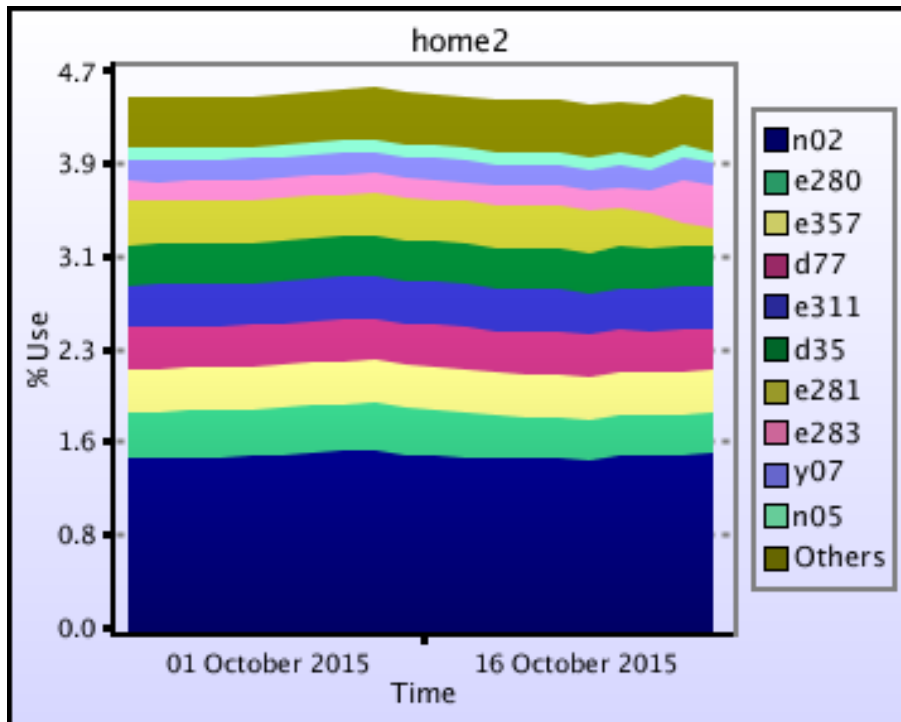
Disk usage for home (home1)

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.



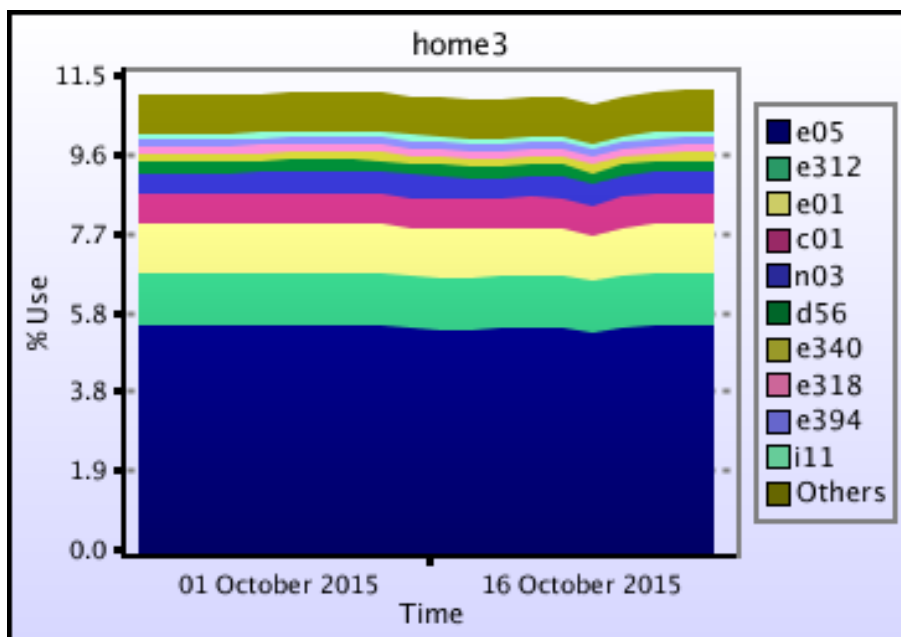
Disk usage for home (home2)

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.

