

Monthly Reporting

Report from 01 March 2017 to 31 March 2017

Report for Resource Pool XC on ARCHER

A total of 1,316,001.597 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.

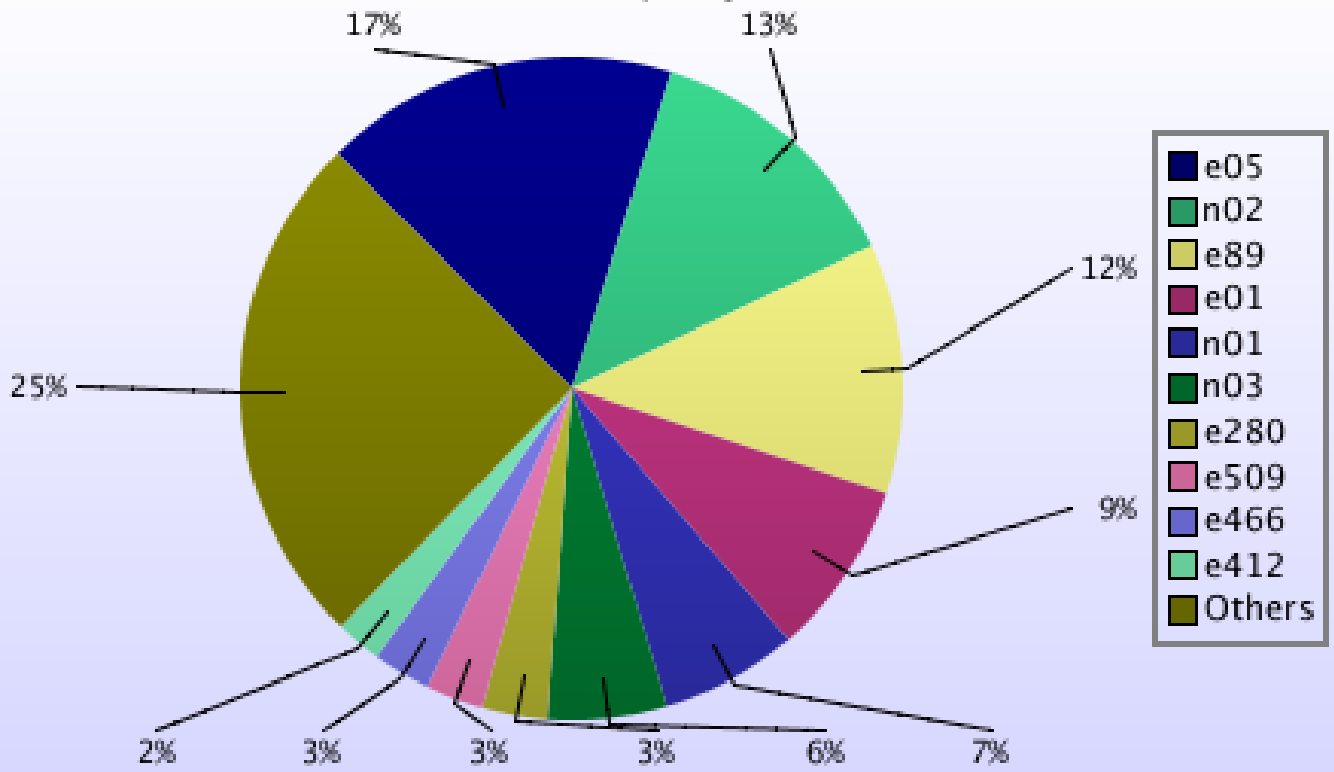
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	1,268	105,620.3	8.03%	105,624.6	8.03%	75,474.8	5.74%
e05	Consortia	11,584	214,284.9	16.28%	214,289.0	16.28%	219,102.4	16.65%
e89	Consortia	22,828	150,286.9	11.42%	150,287.0	11.42%	118,362.8	8.99%
e280	Consortia	1,657	39,750.4	3.02%	39,750.4	3.02%	39,438.7	3.00%
e281	Consortia	1,158	22,080.7	1.68%	22,093.8	1.68%	21,638.0	1.64%
e283	Consortia	944	9,233.0	0.70%	9,233.6	0.70%	17,598.5	1.34%
e305	Consortia	433	12,231.6	0.93%	12,233.2	0.93%	22,132.8	1.68%
e514	Consortia	0	0.0	0.00%	0.0	0.00%	84.1	0.01%
e529	Consortia	47	61.6	0.00%	61.6	0.00%	10,097.4	0.77%
e410	Leadership Awards	27	4,070.3	0.31%	4,070.3	0.31%	8,554.0	0.65%
e411	Leadership Awards	613	4,842.9	0.37%	4,842.9	0.37%	13,341.3	1.01%
e412	Leadership Awards	93	27,910.2	2.12%	27,910.2	2.12%	8,660.7	0.66%
e426	Leadership Awards	0	0.0	0.00%	0.0	0.00%	11,975.6	0.91%
e453	Leadership Awards	13	1,350.4	0.10%	1,350.4	0.10%	4,790.2	0.36%
e460	Leadership Awards	374	9,864.9	0.75%	9,864.9	0.75%	11,619.1	0.88%
e461	Leadership Awards	0	0.0	0.00%	0.0	0.00%	8,554.0	0.65%
e462	Leadership Awards	351	8,188.8	0.62%	8,190.6	0.62%	5,942.1	0.45%
e464	Leadership Awards	283	1,061.4	0.08%	1,061.4	0.08%	9,933.1	0.75%
e465	Leadership Awards	2	2,770.6	0.21%	2,770.6	0.21%	19,931.1	1.51%
e466	Leadership Awards	118	34,766.7	2.64%	34,766.7	2.64%	14,199.6	1.08%
e467	Leadership Awards	9	47.3	0.00%	47.3	0.00%	9,505.0	0.72%
e468	Leadership Awards	11	5,078.6	0.39%	5,078.6	0.39%	11,839.9	0.90%
e469	Leadership Awards	4	2,381.3	0.18%	2,381.4	0.18%	23,940.9	1.82%
e507	Leadership Awards	436	9,505.6	0.72%	9,505.6	0.72%	10,264.8	0.78%
e509	Leadership Awards	316	34,893.4	2.65%	34,893.4	2.65%	6,804.0	0.52%
e510	Leadership Awards	112	17,853.0	1.36%	17,853.0	1.36%	8,554.0	0.65%
e526	Leadership Awards	7	640.9	0.05%	640.9	0.05%	4,277.0	0.32%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
n07	Leadership Awards	12	302.0	0.02%	302.0	0.02%	6,537.2	0.50%
n08	Leadership Awards	67	8,706.6	0.66%	8,706.8	0.66%	9,602.4	0.73%
c01	Class1a	212	106.3	0.01%	106.5	0.01%	4,170.4	0.32%
e229	Class1a	0	0.0	0.00%	0.0	0.00%	463.0	0.04%
e272	Class1a	251	4,667.7	0.35%	4,667.7	0.35%	7,654.5	0.58%
e291	Class1a	0	0.0	0.00%	0.0	0.00%	204.5	0.02%
e300	Class1a	24	595.3	0.05%	595.3	0.05%	581.1	0.04%
e304	Class1a	167	3,754.3	0.29%	3,754.3	0.29%	5,599.3	0.43%
e341	Class1a	0	0.0	0.00%	0.0	0.00%	6,378.8	0.48%
e358	Class1a	41	261.1	0.02%	261.1	0.02%	747.8	0.06%
e365	Class1a	4	164.0	0.01%	164.0	0.01%	548.7	0.04%
e375	Class1a	6	0.3	0.00%	0.3	0.00%	2,860.9	0.22%
e378	Class1a	0	0.0	0.00%	0.0	0.00%	4,926.6	0.37%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	8,057.9	0.61%
e429	Class1a	1	562.1	0.04%	562.1	0.04%	5,987.8	0.45%
e431	Class1a	11	88.5	0.01%	88.5	0.01%	961.6	0.07%
e432	Class1a	148	9,304.3	0.71%	9,304.3	0.71%	5,046.9	0.38%
e446	Class1a	690	16,115.6	1.22%	16,118.6	1.22%	17,560.2	1.33%
e448	Class1a	2,151	15,340.7	1.17%	15,340.8	1.17%	22,963.6	1.74%
e451	Class1a	25	351.9	0.03%	351.9	0.03%	4,677.8	0.36%
e452	Class1a	51	2,587.9	0.20%	2,587.9	0.20%	1,710.8	0.13%
e474	Class1a	18	626.5	0.05%	626.5	0.05%	1,075.9	0.08%
e475	Class1a	278	1,251.0	0.10%	1,251.0	0.10%	3,421.6	0.26%
e477	Class1a	30	1,913.7	0.15%	1,913.7	0.15%	4,277.0	0.32%
e480	Class1a	54	3,123.3	0.24%	3,123.3	0.24%	5,934.0	0.45%
e499	Class1a	32	420.7	0.03%	420.7	0.03%	8,275.8	0.63%
e515	Class1a	58	2.7	0.00%	2.7	0.00%	855.4	0.06%
e516	Class1a	84	7,518.0	0.57%	7,518.0	0.57%	6,578.6	0.50%
e520	Class1a	80	681.1	0.05%	681.1	0.05%	855.4	0.06%
e523	Class1a	0	0.0	0.00%	0.0	0.00%	3,421.6	0.26%
e527	Class1a	0	0.0	0.00%	0.0	0.00%	359.3	0.03%
e348	Direct Access: ARCHER RAP	32	621.6	0.05%	621.6	0.05%	1,696.3	0.13%
e402	Direct Access: ARCHER RAP	114	4,467.7	0.34%	4,467.7	0.34%	1,126.4	0.09%
e483	Direct Access: ARCHER RAP	440	2,835.9	0.22%	2,835.9	0.22%	2,420.6	0.18%
e484	Direct Access: ARCHER RAP	51	3,090.9	0.23%	3,090.9	0.23%	1,055.3	0.08%
e485	Direct Access: ARCHER RAP	148	7,103.8	0.54%	7,103.8	0.54%	3,228.3	0.25%
e489	Direct Access: ARCHER RAP	29	0.8	0.00%	0.8	0.00%	955.3	0.07%
e491	Direct Access: ARCHER RAP	20	364.6	0.03%	364.6	0.03%	1,016.1	0.08%
e492	Direct Access: ARCHER RAP	562	5,429.9	0.41%	5,395.4	0.41%	3,402.0	0.26%
e494	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	2,222.9	0.17%
e498	Direct Access: ARCHER RAP	541	13,933.4	1.06%	13,933.4	1.06%	2,102.7	0.16%
e500	Direct Access: ARCHER RAP	47	368.6	0.03%	368.6	0.03%	3,402.0	0.26%
e501	Direct Access: ARCHER RAP	32	5,643.3	0.43%	5,643.3	0.43%	3,828.1	0.29%
e504	Direct Access: ARCHER RAP	81	63.3	0.00%	63.3	0.00%	1,004.5	0.08%
e505	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	478.7	0.04%
e511	Direct Access: ARCHER RAP	420	53.6	0.00%	53.6	0.00%	2,544.5	0.19%
e486	Instant Access	0	0.0	0.00%	0.0	0.00%	101.8	0.01%

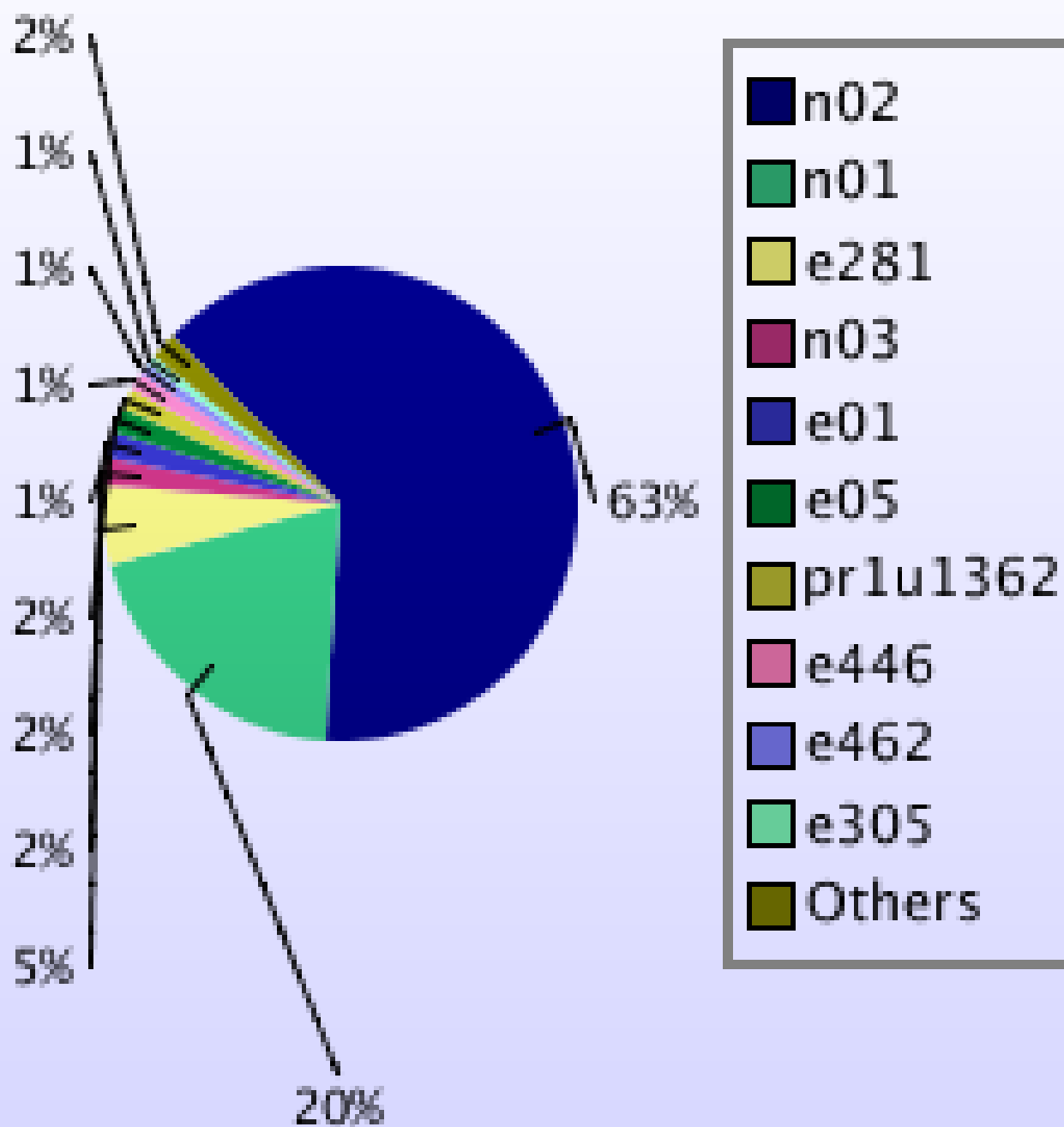
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e487	Instant Access	12	120.5	0.01%	120.5	0.01%	171.1	0.01%
e512	Instant Access	89	3.1	0.00%	3.1	0.00%	204.2	0.02%
e522	Instant Access	0	0.0	0.00%	0.0	0.00%	205.3	0.02%
e525	Instant Access	23	364.0	0.03%	364.0	0.03%	202.7	0.02%
e528	Instant Access	0	0.0	0.00%	0.0	0.00%	205.3	0.02%
e531	Instant Access	24	843.0	0.06%	843.0	0.06%	97.6	0.01%
e524	Research	1	2,032.5	0.15%	2,032.5	0.15%	21,174.4	1.61%
ecse0410	eCSE	0	0.0	0.00%	0.0	0.00%	43.8	0.00%
i07	Industrial	0	0.0	0.00%	0.0	0.00%	1,117.1	0.08%
e476	Training	175	186.7	0.01%	186.7	0.01%	3,440.1	0.26%
e495	Training	49	388.4	0.03%	388.4	0.03%	2,283.8	0.17%
e508	Training	121	1,378.3	0.10%	1,378.3	0.10%	2,669.7	0.20%
e521	Training	238	1,308.2	0.10%	1,308.2	0.10%	1,532.1	0.12%
EPSRC Total		50,432	847,823.5	64.42%	847,818.2	64.42%	932,844.8	70.88%
n01	Consortia	2,108	82,919.0	6.30%	82,734.3	6.29%	57,675.8	4.38%
n02	Consortia	12,154	165,505.8	12.58%	161,876.0	12.30%	229,006.8	17.40%
n03	Consortia	2,777	71,512.6	5.43%	71,517.0	5.43%	59,372.1	4.51%
NERC Total		17,039	319,937.4	24.31%	316,127.3	24.02%	346,054.8	26.30%
b16	Class1a	16	521.5	0.04%	521.5	0.04%	293.5	0.02%
b18	Research	145	5,708.8	0.43%	5,709.4	0.43%	883.3	0.07%
BBSRC Total		161	6,230.3	0.47%	6,230.9	0.47%	1,176.8	0.09%
pr1u1351	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	5,379.4	0.41%
pr1u1352	DECI: EXEC	35	554.2	0.04%	554.2	0.04%	187.2	0.01%
pr1u1353	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	4,748.9	0.36%
pr1u1354	DECI: EXEC	13	2,647.8	0.20%	2,647.8	0.20%	2,234.8	0.17%
pr1u1355	DECI: EXEC	16	1.4	0.00%	1.4	0.00%	1,955.4	0.15%
pr1u1356	DECI: EXEC	129	2,203.1	0.17%	2,203.1	0.17%	819.1	0.06%
pr1u1357	DECI: EXEC	86	1,548.8	0.12%	1,548.8	0.12%	1,433.5	0.11%
pr1u1358	DECI: EXEC	237	10,704.3	0.81%	10,704.3	0.81%	4,136.3	0.31%
pr1u1359	DECI: EXEC	21	828.5	0.06%	828.5	0.06%	2,217.6	0.17%
pr1u1360	DECI: EXEC	38	614.3	0.05%	614.3	0.05%	3,486.7	0.26%
pr1u1361	DECI: EXEC	441	9,037.8	0.69%	9,037.8	0.69%	3,767.1	0.29%
pr1u1362	DECI: EXEC	276	339.9	0.03%	343.3	0.03%	823.4	0.06%
pr1u1301	DECI: HOME	0	0.0	0.00%	0.0	0.00%	474.9	0.04%
pr1u1302	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1303	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1304	DECI: HOME	0	0.0	0.00%	0.0	0.00%	4,289.7	0.33%
pr1u1305	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1306	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1307	DECI: HOME	0	0.0	0.00%	0.0	0.00%	1,046.0	0.08%
pr1u1308	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1309	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1310	DECI: HOME	0	0.0	0.00%	0.0	0.00%	2,577.8	0.20%
pr1u1311	DECI: HOME	25	133.5	0.01%	133.5	0.01%	677.4	0.05%
PRACE Total		1,317	28,613.5	2.17%	28,617.0	2.17%	40,255.6	3.06%
ecse0103	eCSE	0	0.0	0.00%	0.0	0.00%	26.5	0.00%
ecse0311	eCSE	13	39.7	0.00%	39.7	0.00%	1.3	0.00%
ecse0313	eCSE	0	0.0	0.00%	0.0	0.00%	23.5	0.00%
ecse0601	eCSE	54	481.2	0.04%	481.2	0.04%	43.8	0.00%
ecse0606	eCSE	0	0.0	0.00%	0.0	0.00%	37.1	0.00%
ecse0706	eCSE	0	0.0	0.00%	0.0	0.00%	41.8	0.00%
ecse0709	eCSE	33	11.5	0.00%	11.5	0.00%	36.0	0.00%
ecse0712	eCSE	0	0.0	0.00%	0.0	0.00%	212.8	0.02%
ecse0715	eCSE	0	0.0	0.00%	0.0	0.00%	41.9	0.00%
ecse0803	eCSE	3	0.0	0.00%	0.0	0.00%	46.3	0.00%
ecse0804	eCSE	54	7.4	0.00%	7.4	0.00%	38.1	0.00%
ecse0807	eCSE	11	10.9	0.00%	10.9	0.00%	38.9	0.00%
ecse0810	eCSE	0	0.0	0.00%	0.0	0.00%	39.2	0.00%
ecse0814	eCSE	0	0.0	0.00%	0.0	0.00%	45.4	0.00%
ecse0815	eCSE	0	0.0	0.00%	0.0	0.00%	41.0	0.00%
eCSE Total		168	550.6	0.04%	550.6	0.04%	713.8	0.05%
d43	ECDF	320	5,339.0	0.41%	5,339.0	0.41%	3,392.7	0.26%
d25	Research	64	434.6	0.03%	434.6	0.03%	848.2	0.06%

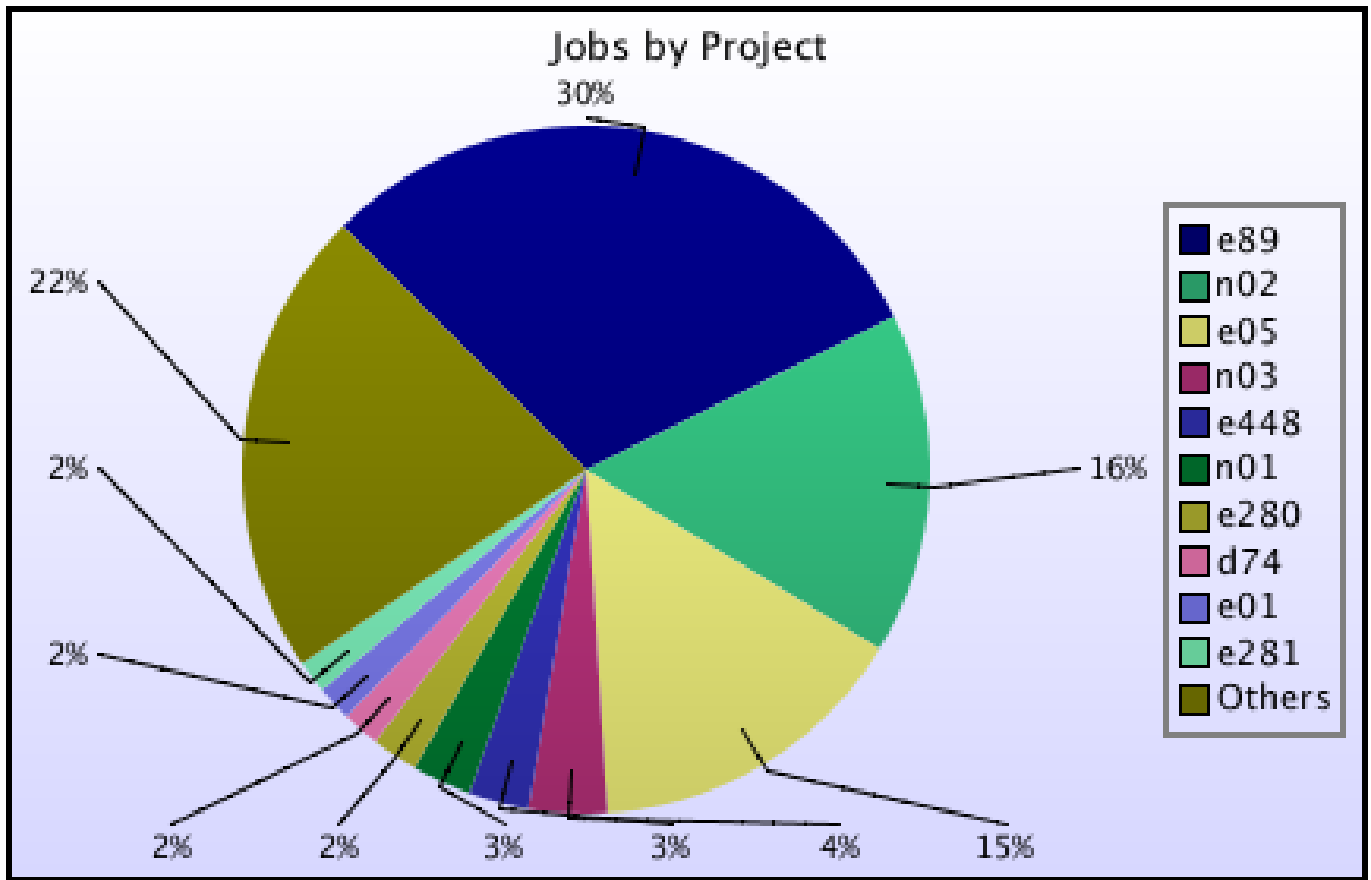
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
d35	Research	253	383.5	0.03%	383.5	0.03%	424.1	0.03%
d56	Research	516	7,924.3	0.60%	7,924.3	0.60%	5,132.4	0.39%
d60	Research	0	0.0	0.00%	0.0	0.00%	203.7	0.02%
d65	Research	0	0.0	0.00%	0.0	0.00%	56.6	0.00%
d67	Research	60	1,480.4	0.11%	1,480.4	0.11%	1,290.4	0.10%
d71	Research	247	499.6	0.04%	499.8	0.04%	577.2	0.04%
d72	Research	0	0.0	0.00%	0.0	0.00%	169.6	0.01%
d87	Research	19	458.7	0.03%	458.7	0.03%	1,453.6	0.11%
d88	Research	1	0.3	0.00%	0.3	0.00%	21.2	0.00%
d96	Research	0	0.0	0.00%	0.0	0.00%	4,240.9	0.32%
d100	Research	0	0.0	0.00%	0.0	0.00%	363.3	0.03%
d101	Research	36	11.5	0.00%	11.6	0.00%	424.1	0.03%
d114	Research	44	1,997.1	0.15%	1,997.1	0.15%	8,330.3	0.63%
d120	Research	0	0.0	0.00%	0.0	0.00%	312.1	0.02%
d121	Research	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
d137	Research	194	3,942.9	0.30%	3,944.1	0.30%	2,544.5	0.19%
d141	Research	147	166.0	0.01%	166.2	0.01%	254.5	0.02%
d142	Research	189	4,435.7	0.34%	4,435.8	0.34%	4,635.1	0.35%
d143	Research	0	0.0	0.00%	0.0	0.00%	4,277.0	0.32%
d144	Research	23	361.9	0.03%	361.9	0.03%	2,524.3	0.19%
d145	Research	64	221.9	0.02%	221.9	0.02%	2,544.5	0.19%
d146	Research	236	185.4	0.01%	185.4	0.01%	322.4	0.02%
d132	Industrial	18	87.7	0.01%	87.7	0.01%	203.7	0.02%
x08	Industrial	106	371.6	0.03%	371.6	0.03%	1,357.1	0.10%
d74	Training	1,342	155.0	0.01%	155.0	0.01%	42.4	0.00%
d104	Training	60	17.2	0.00%	17.2	0.00%	171.1	0.01%
d122	Training	346	38.6	0.00%	30.7	0.00%	1,724.7	0.13%
d133	Training	250	616.8	0.05%	616.8	0.05%	42.5	0.00%
e482	Training	0	0.0	0.00%	0.0	0.00%	508.9	0.04%
d131	Service	357	307.6	0.02%	307.6	0.02%	850.5	0.06%
d134	Service	0	0.0	0.00%	0.0	0.00%	424.1	0.03%
w12	Service	212	939.3	0.07%	939.3	0.07%	423.3	0.03%
w13	Service	51	96.0	0.01%	96.0	0.01%	309.2	0.02%
w14	Service	0	0.0	0.00%	0.0	0.00%	472.3	0.04%
y01	Service	0	0.0	0.00%	0.0	0.00%	8.5	0.00%
y02	Service	9	0.5	0.00%	0.5	0.00%	169.6	0.01%
y07	Service	2	0.0	0.00%	0.1	0.00%	84.8	0.01%
z02	Service	18	0.2	0.00%	0.2	0.00%	424.1	0.03%
z17	Service	14	91.3	0.01%	91.3	0.01%	424.1	0.03%
z99	Service	39	0.5	0.00%	0.5	0.00%	8.5	0.00%
d84	UoE Seedcorn	15	1,297.4	0.10%	1,297.4	0.10%	424.1	0.03%
d135	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	88.5	0.01%
d140	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	123.3	0.01%
d147	UoE Seedcorn	60	61.0	0.00%	61.0	0.00%	68.5	0.01%
d83	UoE Supercomputing	0	0.0	0.00%	0.0	0.00%	5,169.7	0.39%
d108	UoE Supercomputing	0	0.0	0.00%	0.0	0.00%	864.0	0.07%
DirectorsTime Total		5,312	31,923.5	2.43%	31,917.5	2.43%	58,730.0	4.46%
y14	Training	724	831.9	0.06%	555.4	0.04%	593.7	0.05%
y21	Service	0	0.0	0.00%	0.0	0.00%	78.2	0.01%
z19	Service	513	3,399.6	0.26%	3,400.1	0.26%	5,513.1	0.42%
CSE Total		1,237	4,231.4	0.32%	3,955.5	0.30%	6,185.0	0.47%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	3,206.5	0.24%
i200	Industrial	2	0.1	0.00%	0.1	0.00%	225.2	0.02%
Industrial Total		2	0.1	0.00%	0.1	0.00%	3,431.7	0.26%
w03	Service	21	50.4	0.00%	50.4	0.00%	96.9	0.01%
Internal Total		21	50.4	0.00%	50.4	0.00%	96.9	0.01%
Total		75,689	1,239,360.9	94.18%	1,235,267.6	93.87%	1,389,489.3	105.58%

Use by Project



Uncharged Use by Project

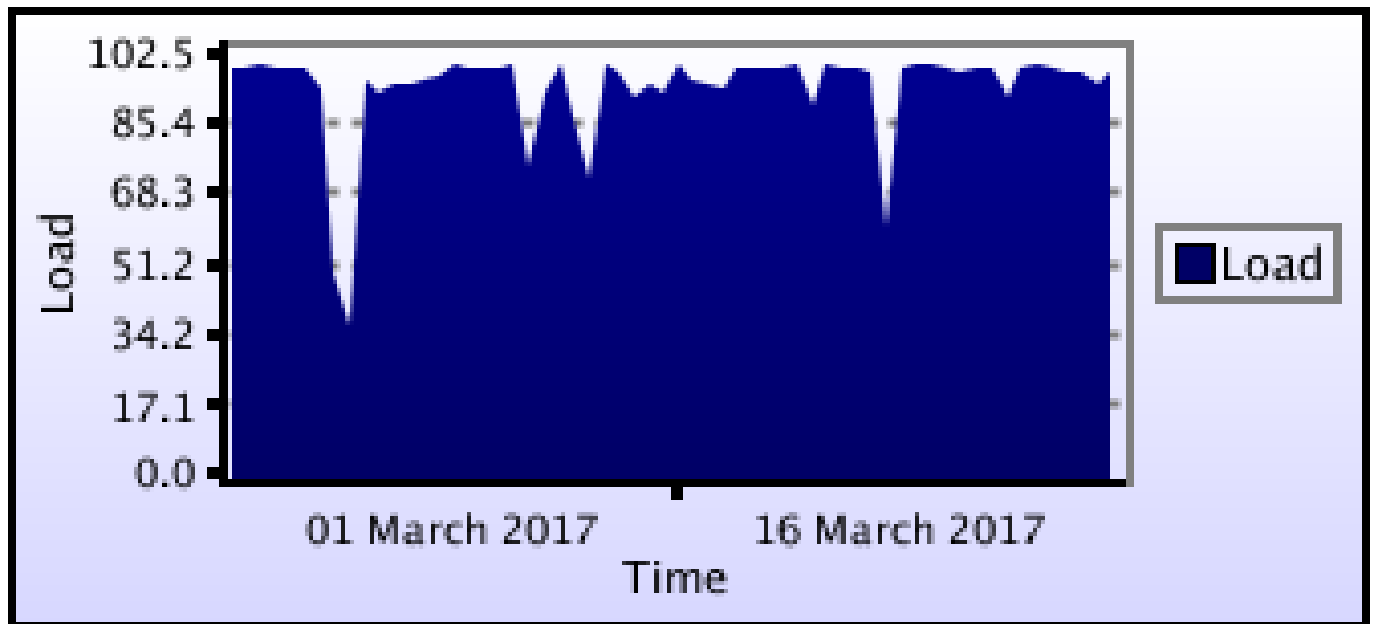




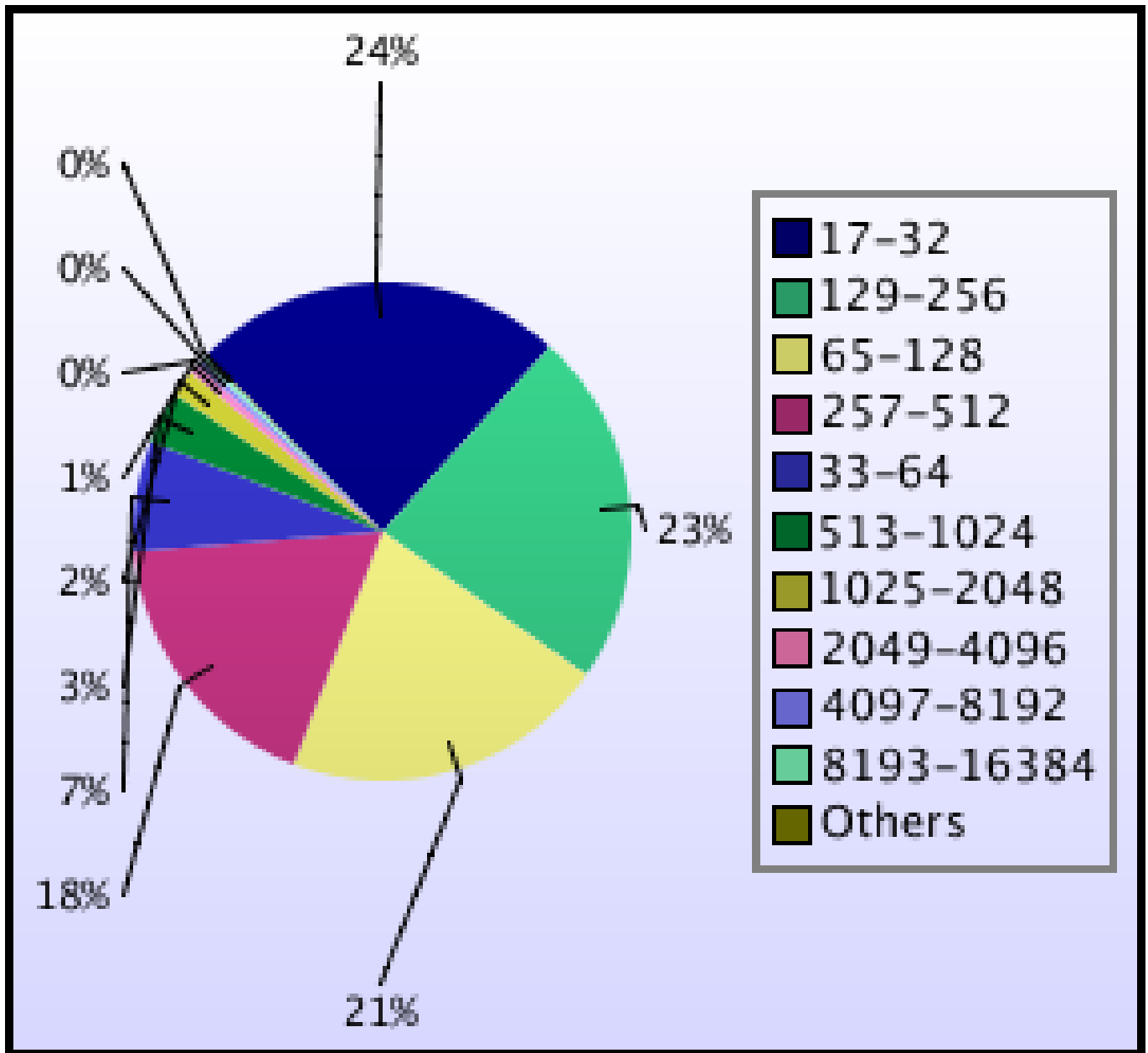
kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	13,744.069	18,317
33-64	14,396.733	5,422
65-128	96,675.948	15,946
129-256	204,765.203	17,425
257-512	192,599.136	13,555
513-1024	158,927.576	2,556
1025-2048	227,615.275	1,330
2049-4096	97,940.539	474
4097-8192	111,567.48	321
8193-16384	63,492.545	254
16385-32768	38,270.373	45
32769-65536	3,733.908	15
65537-131072	2,629.465	6

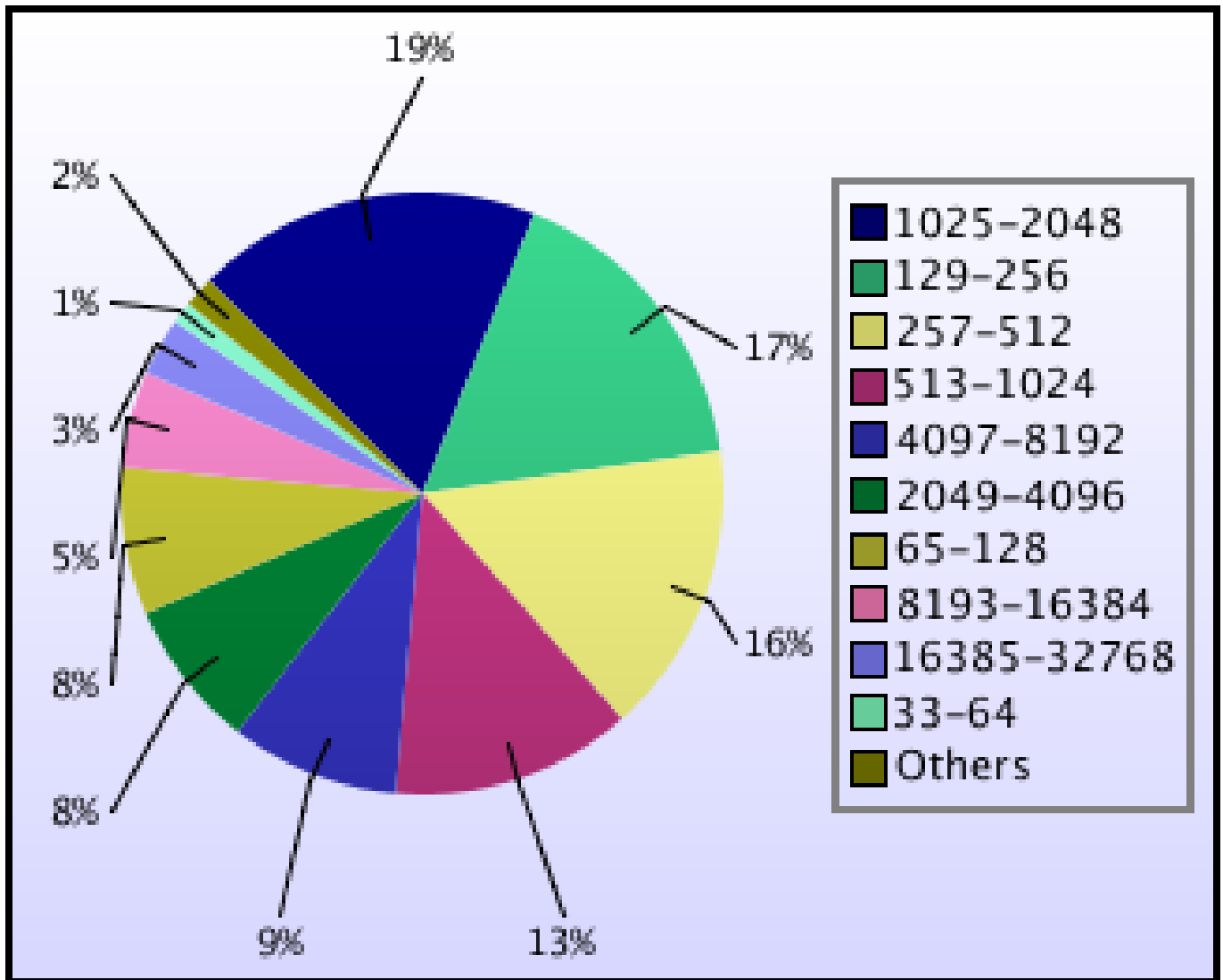
Load plots



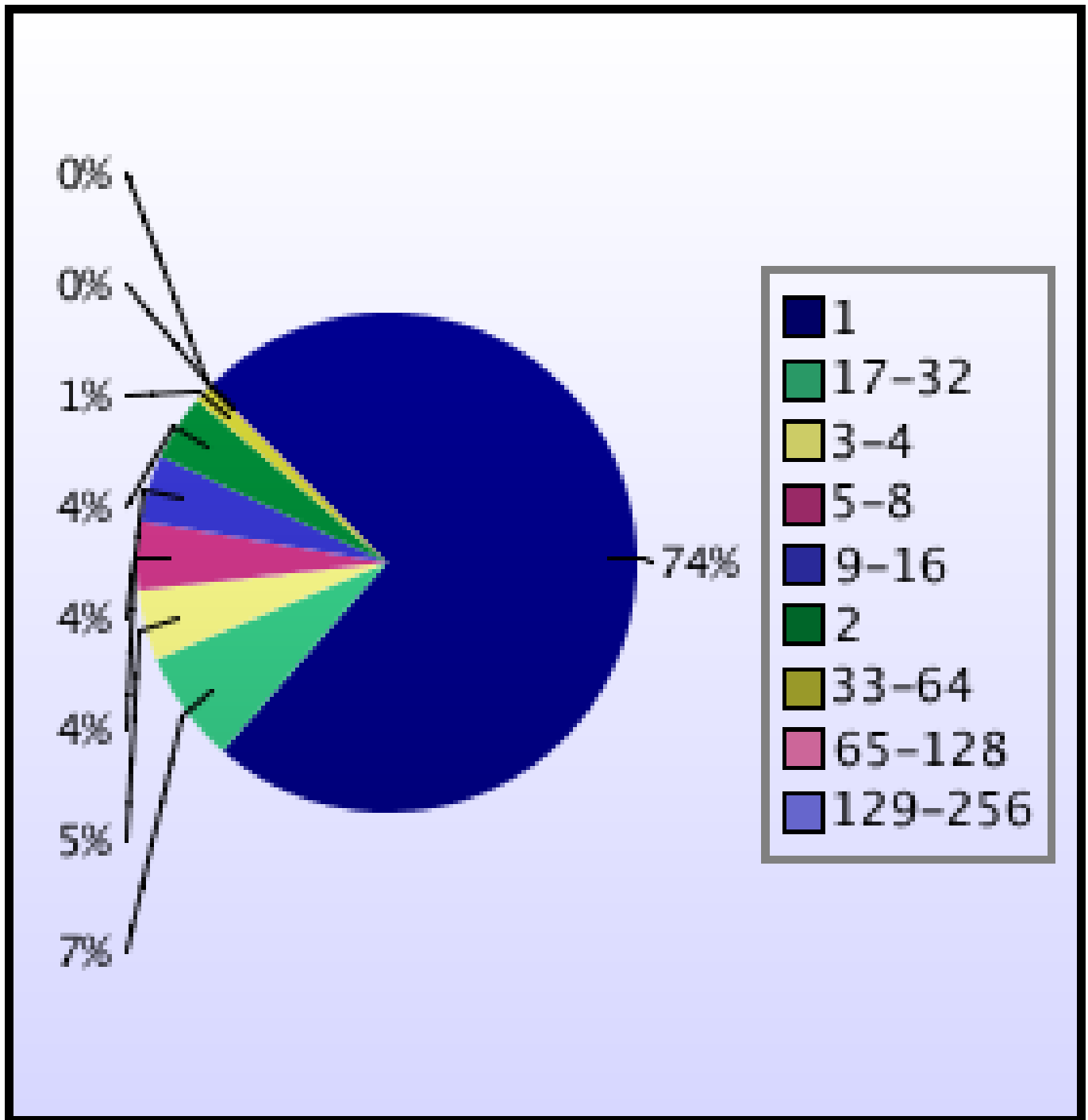
Percentage load on machine



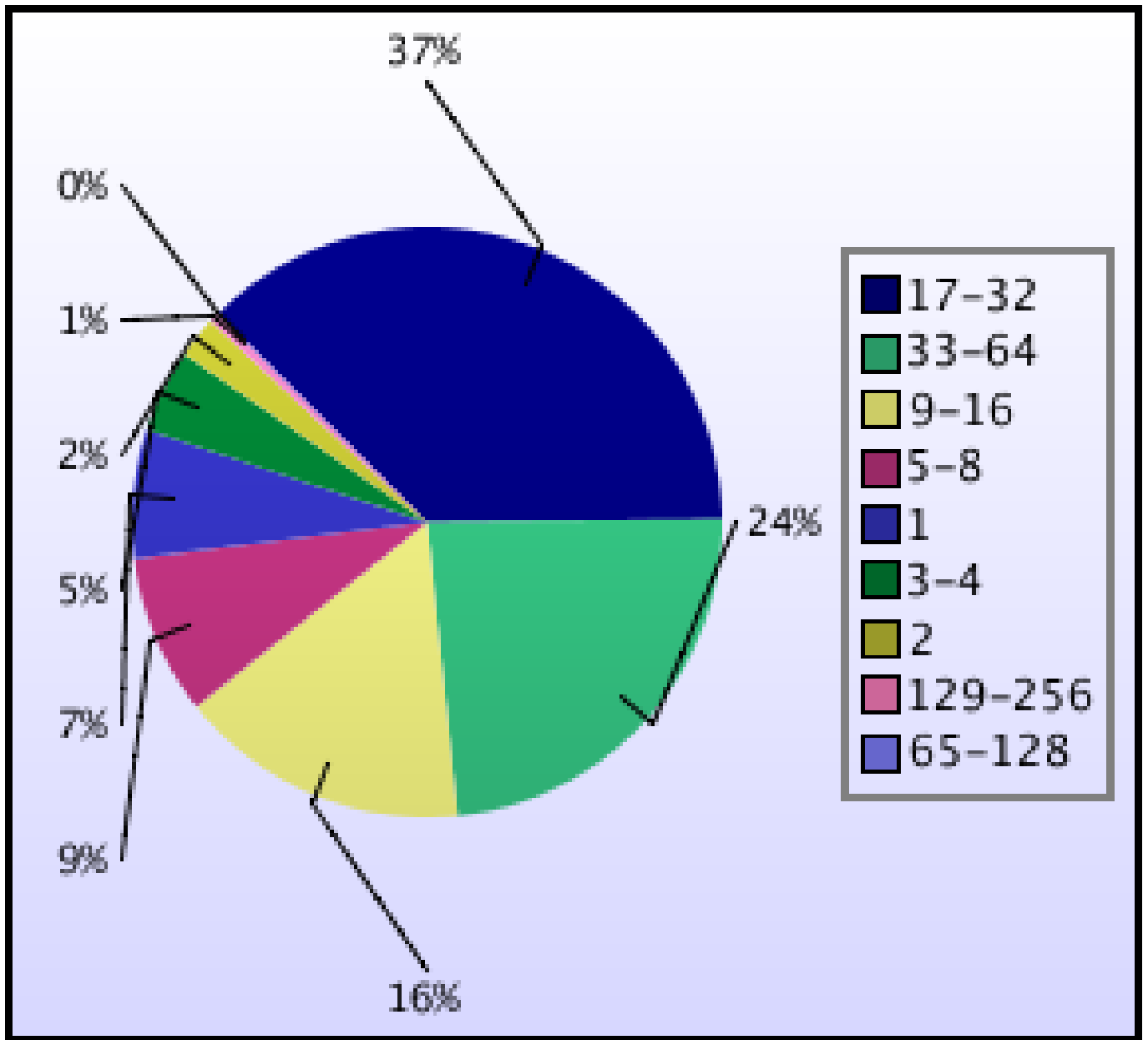
Jobs by Size



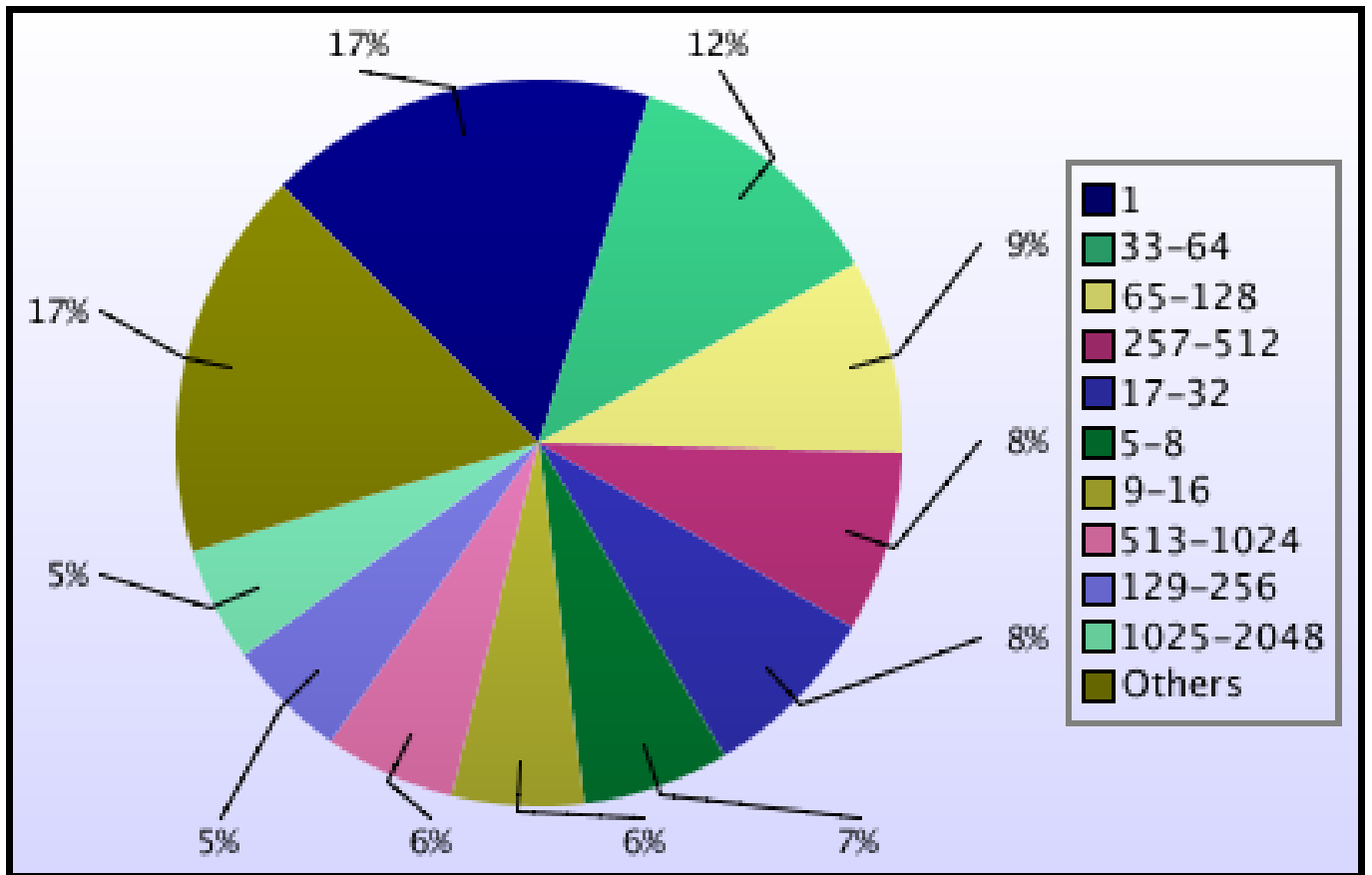
kAUs used by Size



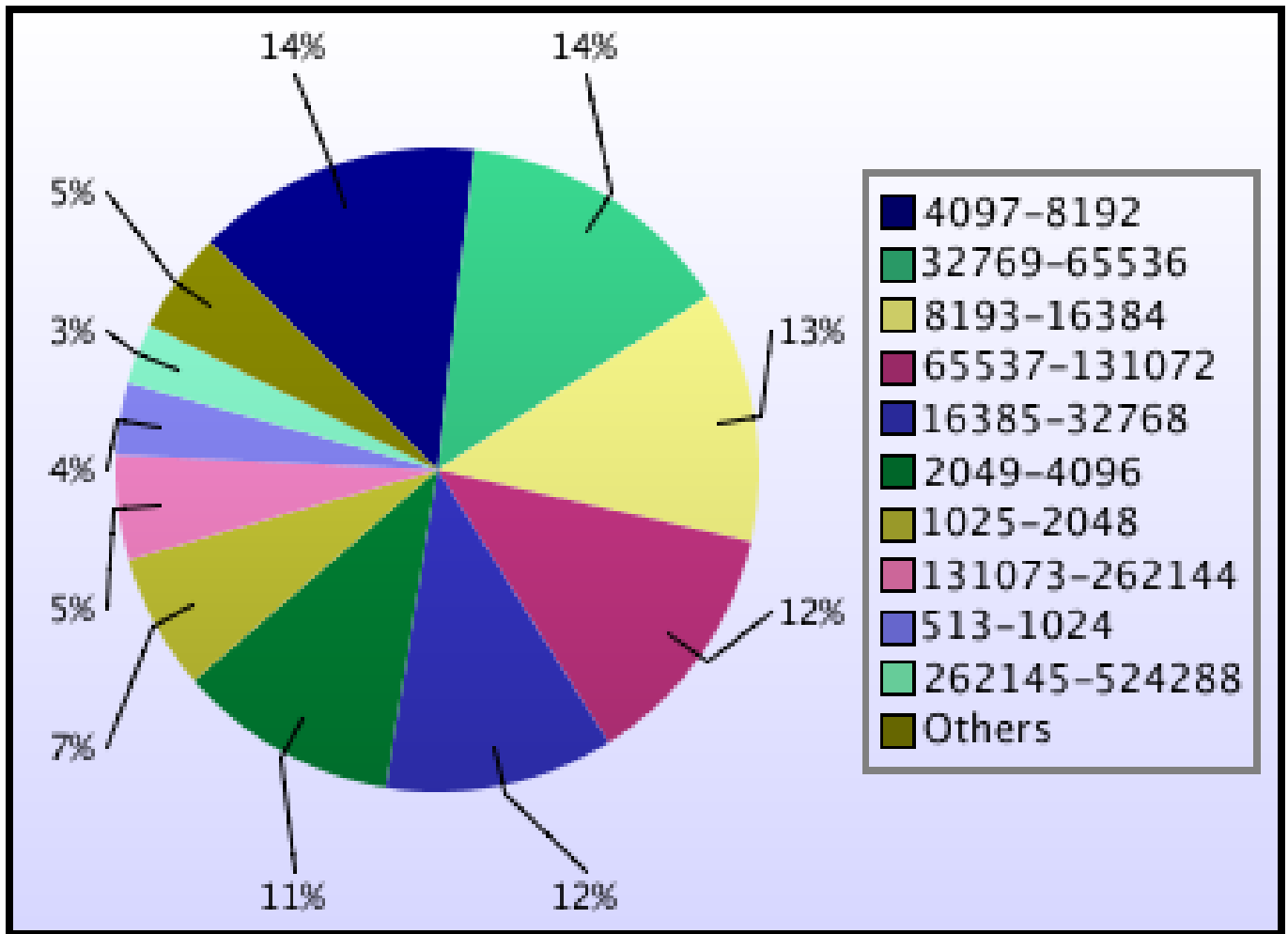
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

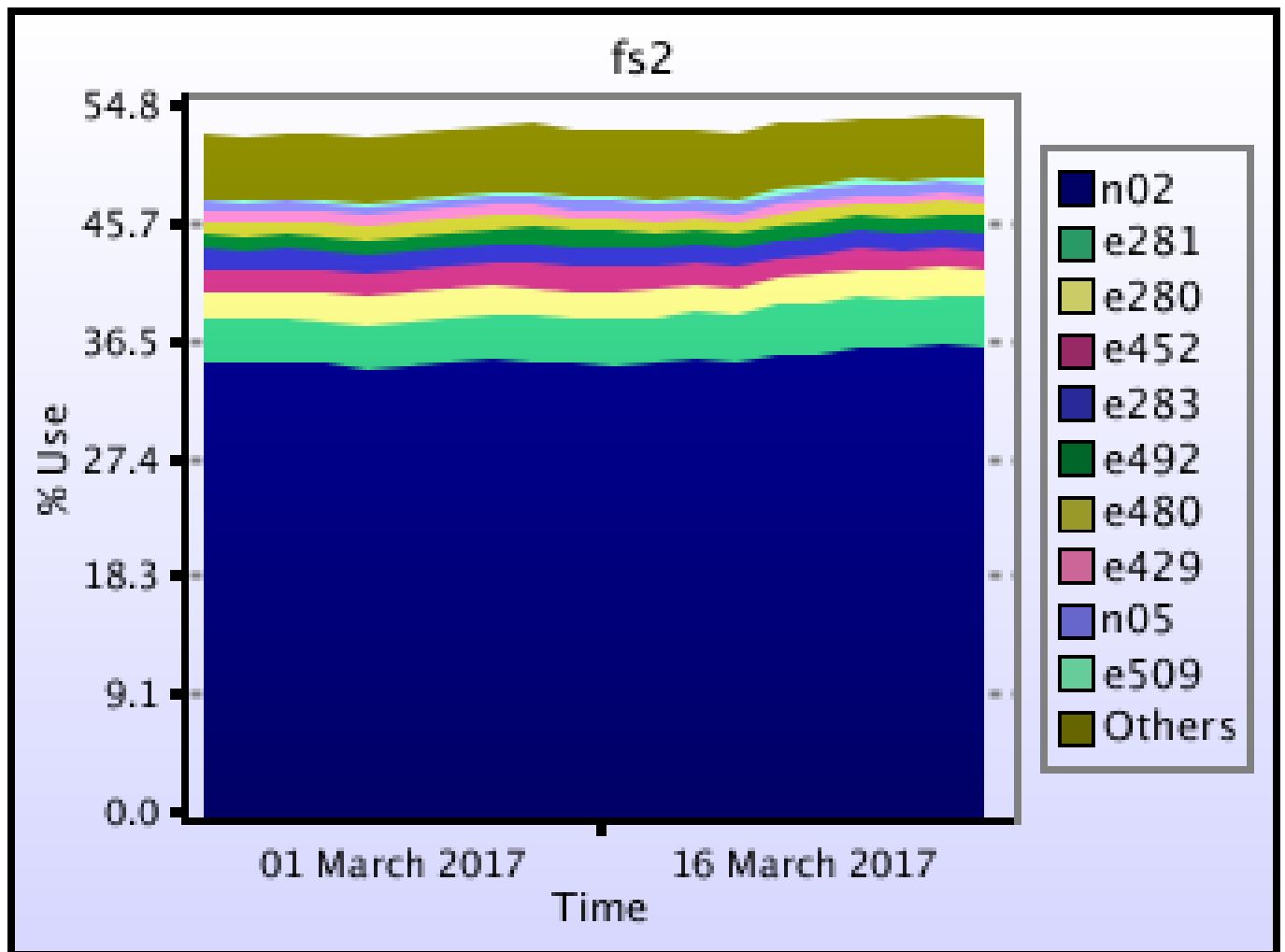


kAUs used grouped by core-hours

Disk usage

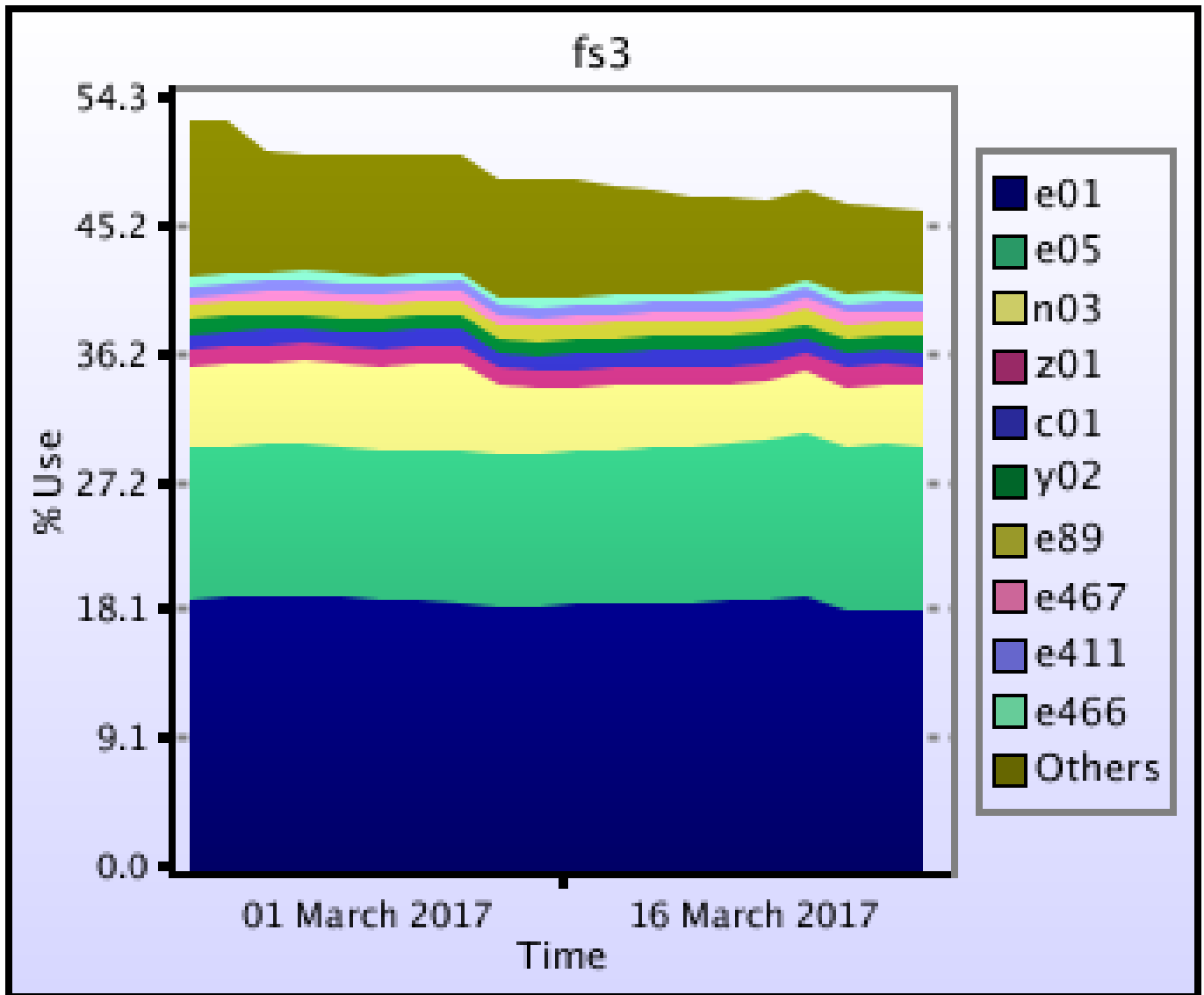
Disk usage for work (fs2)

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.



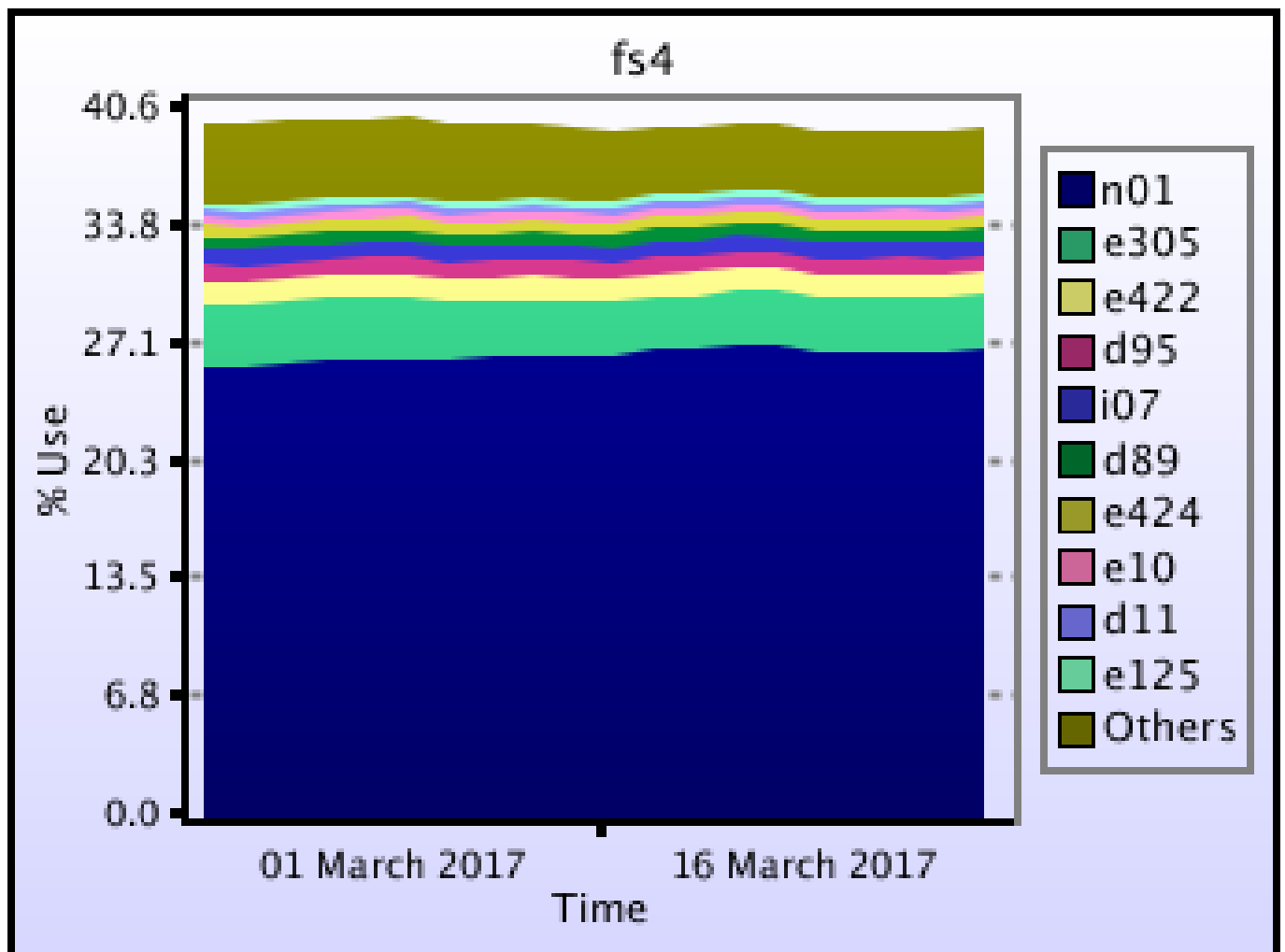
Disk usage for work (fs3)

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.



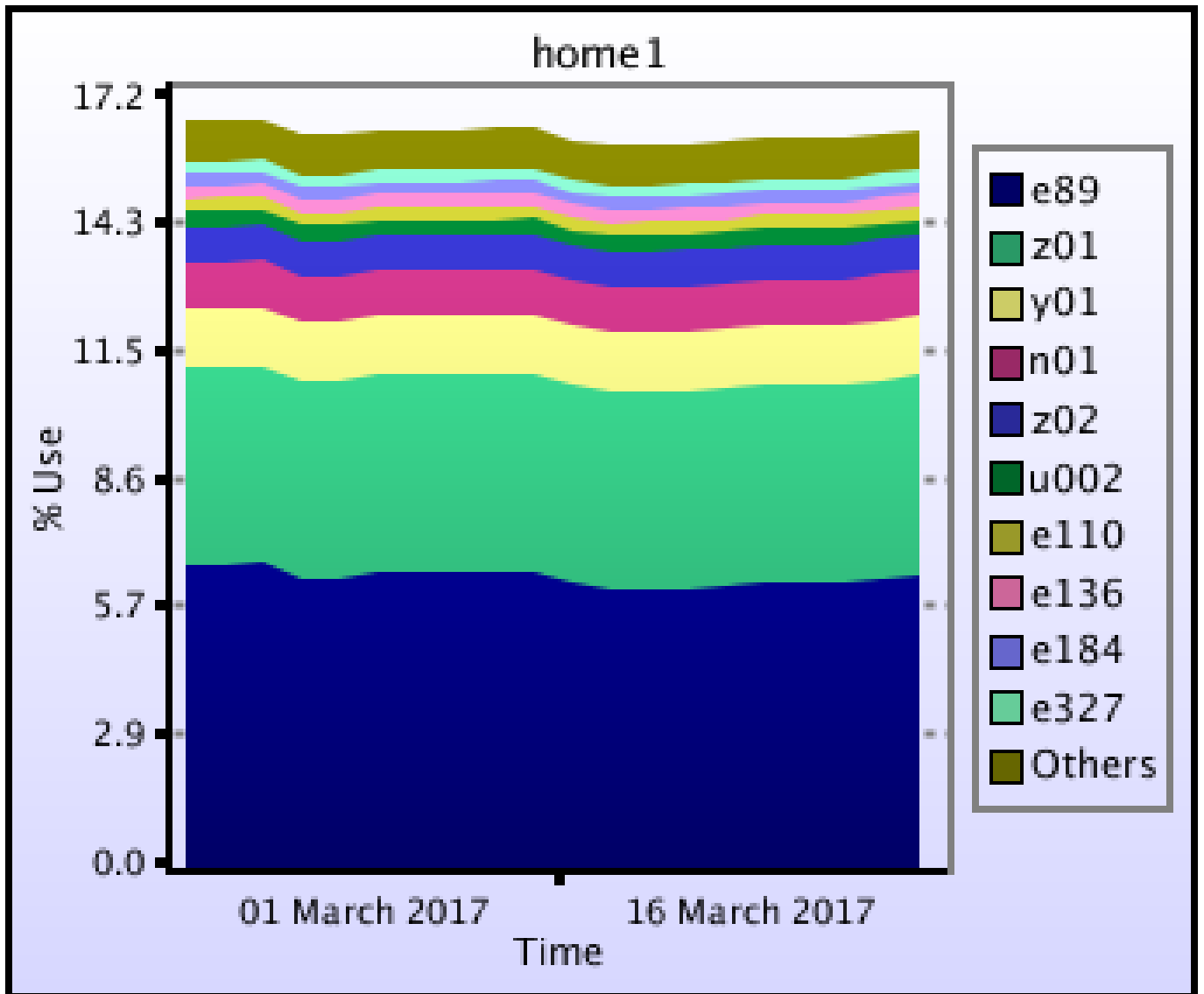
Disk usage for work (fs4)

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.



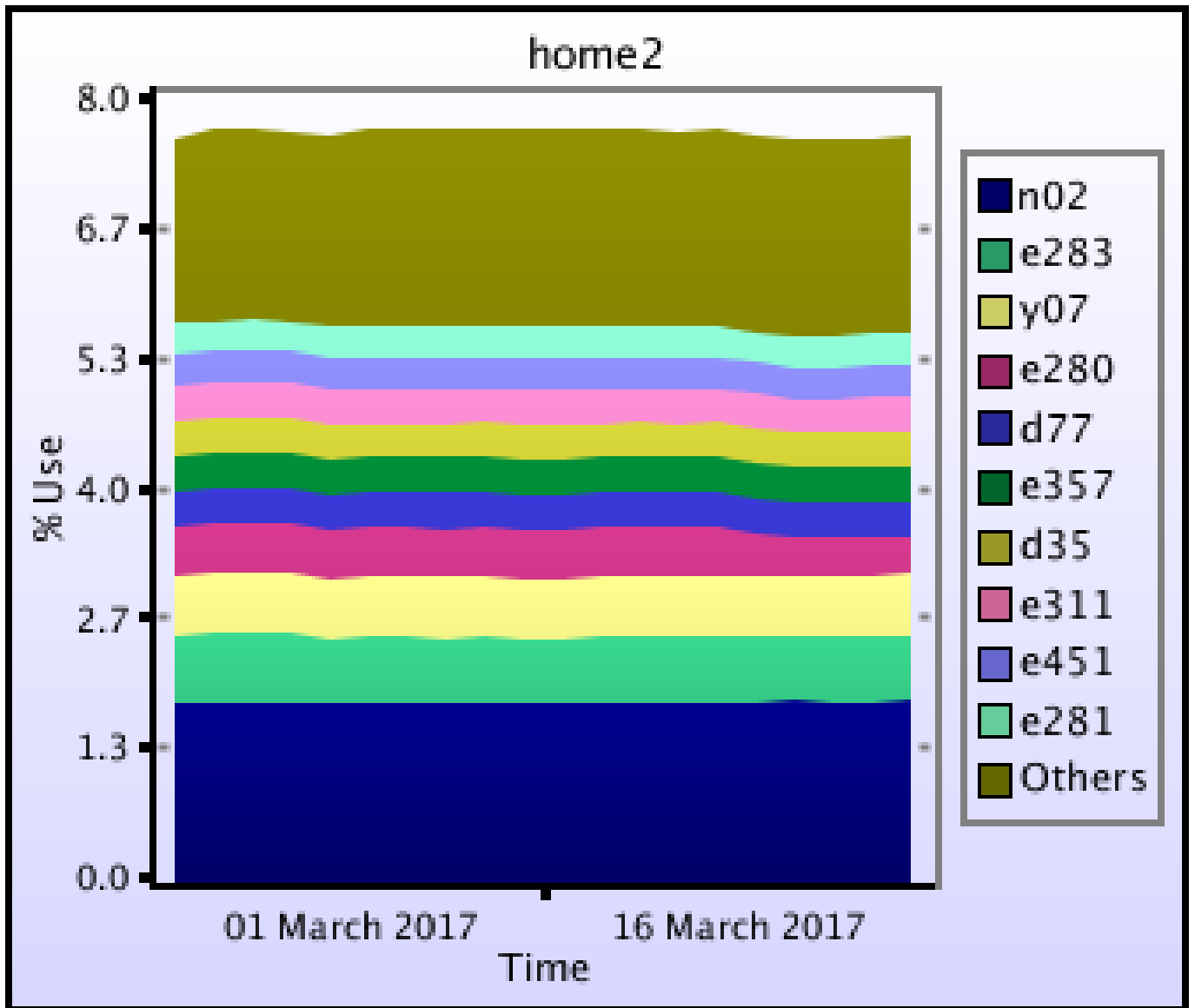
Disk usage for home (home1)

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.



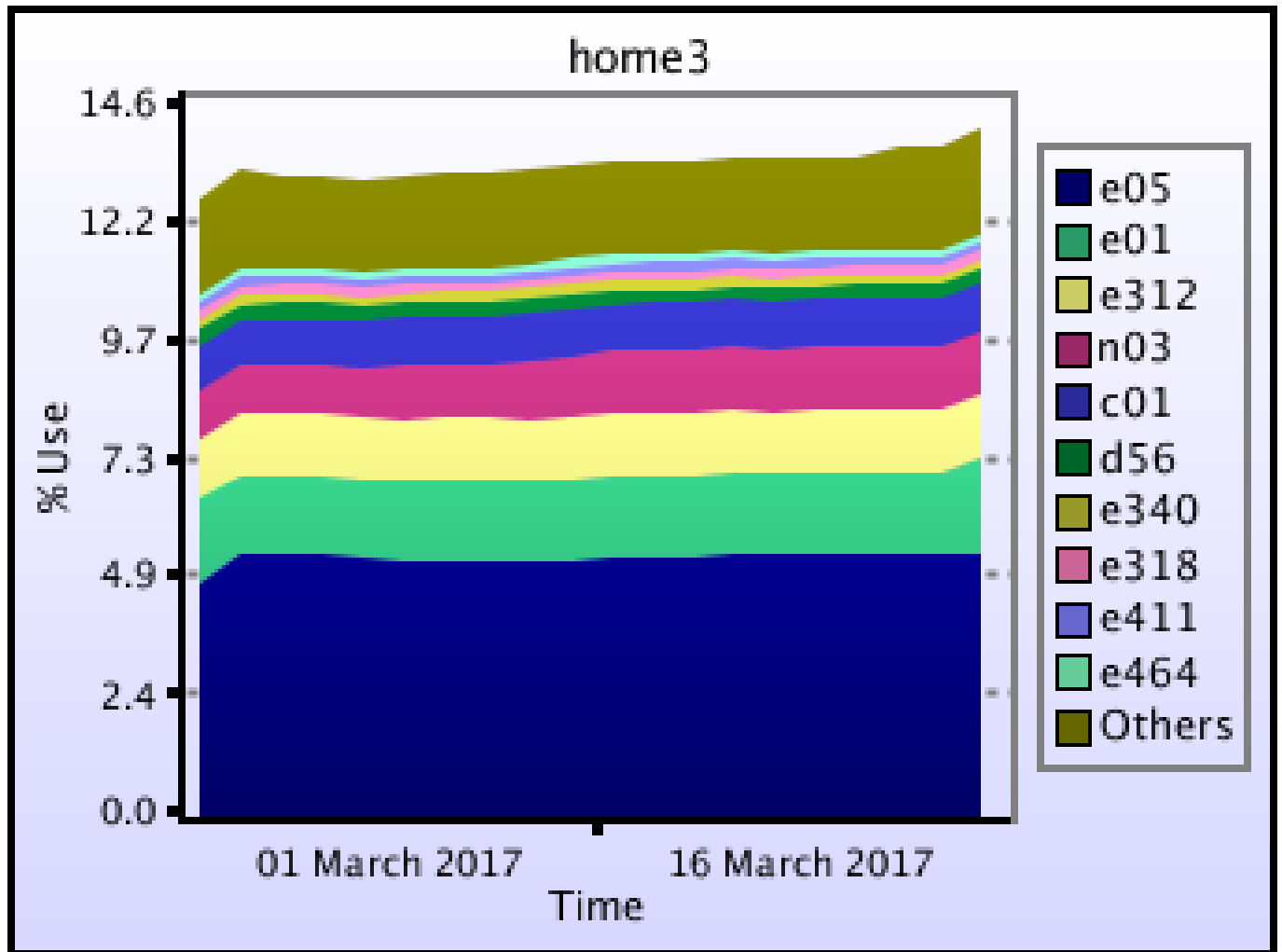
Disk usage for home (home2)

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.

