

# Monthly Reporting

# Report from 01 November 2014 to 30 November 2014

## Report for Resource Pool XC on ARCHER

A total of 769996.784 kAU were available during this period.

### Use and Allocations (by Project)

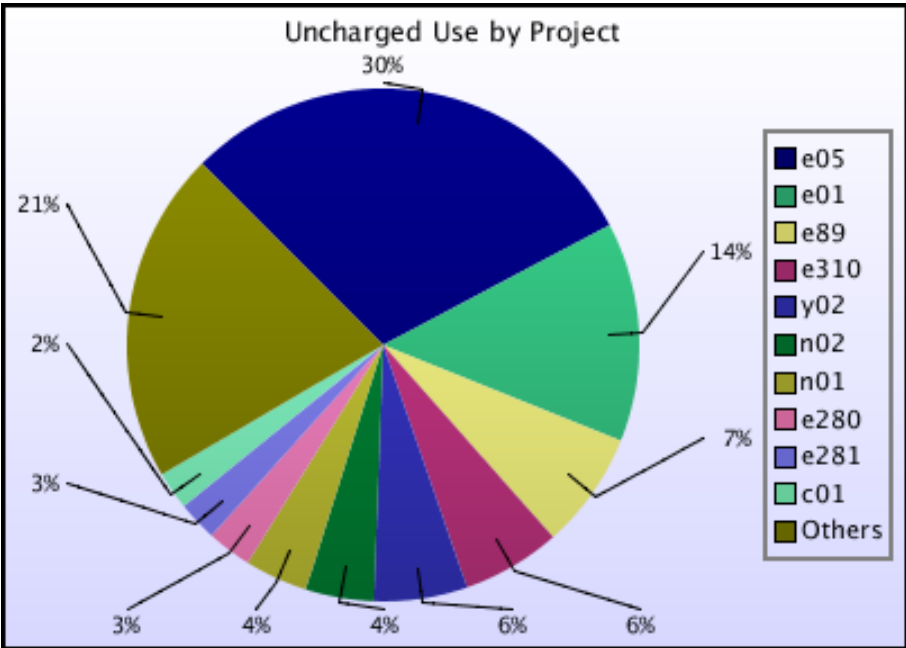
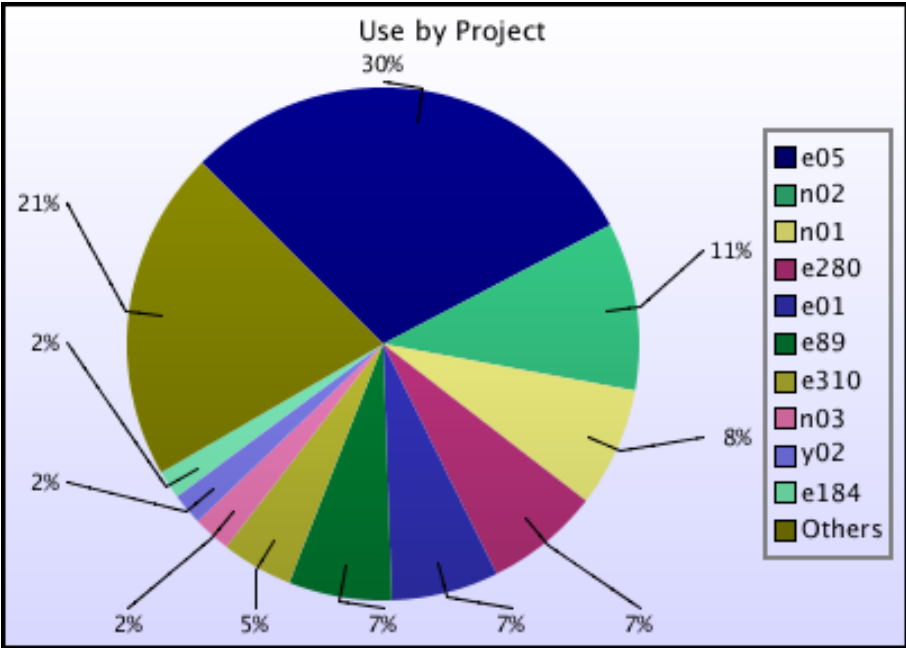
In the following table Charged refers to usage which was charged against the project Allocation. This excludes any usage discounted via incentive schemes. The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources.

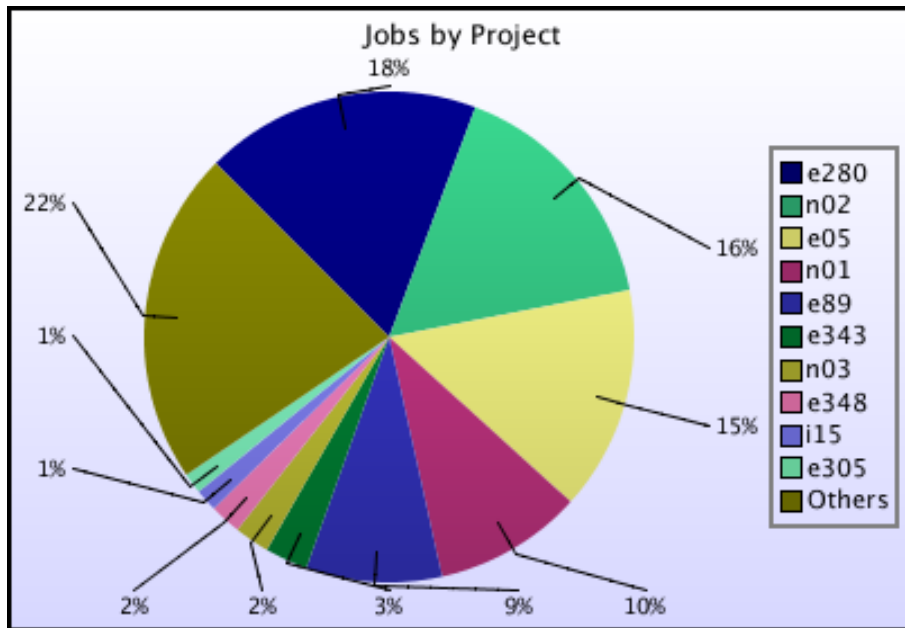
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocation
e01	Consortia	340	13714.8	1.78%	43939.3	5.71%	6.94%
e05	Consortia	4963	128445.5	16.68%	193478.6	25.13%	20.84%
e89	Consortia	3010	26117.5	3.39%	42236.0	5.49%	13.33%
e280	Consortia	6117	40699.6	5.29%	46841.9	6.08%	5.09%
e281	Consortia	372	5964.4	0.77%	11451.7	1.49%	2.37%
e283	Consortia	377	3863.6	0.50%	6586.3	0.86%	1.92%
e305	Consortia	454	7445.9	0.97%	8808.1	1.14%	2.18%
u005	Early use	36	0.0	0.00%	1544.1	0.20%	0.01%
c01	Class1a	213	1792.1	0.23%	7046.2	0.92%	0.40%
e10	Class1a	75	857.5	0.11%	2844.4	0.37%	0.99%
e71	Class1a	0	0.0	0.00%	0.0	0.00%	0.32%
e110	Class1a	119	7535.2	0.98%	8843.2	1.15%	0.55%
e125	Class1a	1	0.0	0.00%	0.0	0.00%	0.44%
e155	Class1a	3	34.7	0.00%	69.2	0.01%	0.05%
e165	Class1a	0	0.0	0.00%	0.0	0.00%	0.05%
e174	Class1a	56	498.0	0.06%	575.4	0.07%	0.24%
e175	Class1a	129	1683.3	0.22%	6736.9	0.87%	0.23%
e179	Class1a	24	836.3	0.11%	889.2	0.12%	0.60%
e182	Class1a	0	0.0	0.00%	0.0	0.00%	0.04%
e184	Class1a	256	9732.5	1.26%	11606.2	1.51%	0.91%
e187	Class1a	0	0.0	0.00%	0.0	0.00%	0.00%
e191	Class1a	102	1781.3	0.23%	1849.8	0.24%	0.23%
e202	Class1a	59	2245.3	0.29%	2639.7	0.34%	1.23%
e220	Class1a	5	0.1	0.00%	121.4	0.02%	0.06%
e228	Class1a	0	0.0	0.00%	0.0	0.00%	0.06%
e229	Class1a	38	197.9	0.03%	197.9	0.03%	0.06%
e266	Class1a	187	1747.6	0.23%	4466.4	0.58%	1.15%
e268	Class1a	0	0.0	0.00%	0.0	0.00%	0.06%
e272	Class1a	332	791.7	0.10%	1062.4	0.14%	0.46%
e282	Class1a	48	8.7	0.00%	9.1	0.00%	0.10%
e290	Class1a	164	489.7	0.06%	490.2	0.06%	0.01%
e291	Class1a	0	0.0	0.00%	0.0	0.00%	0.10%
e300	Class1a	0	0.0	0.00%	0.0	0.00%	0.10%
e301	Class1a	0	0.0	0.00%	0.0	0.00%	0.12%
e304	Class1a	18	557.3	0.07%	661.1	0.09%	0.91%
e320	Class1a	0	0.0	0.00%	0.0	0.00%	0.29%
e330	Class1a	0	0.0	0.00%	0.0	0.00%	0.02%
e331	Class1a	0	0.0	0.00%	0.0	0.00%	0.18%
e332	Class1a	0	0.0	0.00%	0.0	0.00%	0.08%
e333	Class1a	69	376.5	0.05%	455.7	0.06%	0.56%
e336	Class1a	0	0.0	0.00%	0.0	0.00%	0.02%
e342	Class1a	13	710.7	0.09%	710.7	0.09%	0.07%
e343	Class1a	944	1587.5	0.21%	1941.7	0.25%	0.19%
e358	Class1a	0	0.0	0.00%	0.0	0.00%	0.09%
e364	Class1a	1	0.0	0.00%	0.0	0.00%	0.10%
e365	Class1a	0	0.0	0.00%	0.0	0.00%	0.18%
e309	Direct Access: ARCHER RAP	24	387.7	0.05%	817.9	0.11%	0.13%
e310	Direct Access: ARCHER RAP	34	15674.2	2.04%	29271.4	3.80%	0.42%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocation
e312	Direct Access: ARCHER RAP	8	99.3	0.01%	125.6	0.02%	0.15%
e313	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	0.15%
e314	Direct Access: ARCHER RAP	4	244.0	0.03%	325.3	0.04%	0.20%
e316	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	0.07%
e317	Direct Access: ARCHER RAP	30	15.9	0.00%	3437.5	0.45%	0.50%
e318	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	0.24%
e319	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	0.08%
e321	Direct Access: ARCHER RAP	61	5645.2	0.73%	6059.2	0.79%	0.19%
e323	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	0.18%
e326	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	0.20%
e338	Direct Access: ARCHER RAP	11	76.9	0.01%	456.1	0.06%	0.70%
e339	Direct Access: ARCHER RAP	212	2326.0	0.30%	3154.4	0.41%	0.64%
e346	Direct Access: ARCHER RAP	33	1548.8	0.20%	1619.5	0.21%	0.13%
e347	Direct Access: ARCHER RAP	7	0.2	0.00%	0.2	0.00%	0.11%
e348	Direct Access: ARCHER RAP	687	4616.1	0.60%	4979.1	0.65%	0.49%
e349	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	0.11%
e350	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	0.62%
e351	Direct Access: ARCHER RAP	21	54.8	0.01%	64.0	0.01%	0.07%
e352	Direct Access: ARCHER RAP	424	987.4	0.13%	2106.8	0.27%	0.20%
e354	Direct Access: ARCHER RAP	79	1609.5	0.21%	1612.5	0.21%	0.13%
e355	Direct Access: ARCHER RAP	53	383.3	0.05%	430.3	0.06%	0.33%
e356	Direct Access: ARCHER RAP	13	668.2	0.09%	1635.5	0.21%	0.12%
e360	Direct Access: ARCHER RAP	8	153.3	0.02%	161.9	0.02%	0.23%
e370	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	0.27%
e372	Direct Access: ARCHER RAP	1	0.2	0.00%	0.2	0.00%	0.54%
e373	Direct Access: ARCHER RAP	77	3.1	0.00%	3.7	0.00%	0.39%
e306	Instant Access	3	121.3	0.02%	241.6	0.03%	0.01%
e307	Instant Access	8	0.0	0.00%	449.2	0.06%	0.01%
e337	Instant Access	0	0.0	0.00%	0.0	0.00%	0.02%
e340	Instant Access	32	109.6	0.01%	109.6	0.01%	0.02%
e344	Instant Access	0	0.0	0.00%	0.0	0.00%	0.03%
e359	Instant Access	1	0.0	0.00%	0.0	0.00%	0.02%
e362	Instant Access	0	0.0	0.00%	0.0	0.00%	0.03%
e363	Instant Access	0	0.0	0.00%	0.0	0.00%	0.03%
e366	Instant Access	0	0.0	0.00%	0.0	0.00%	0.02%
e367	Instant Access	10	0.4	0.00%	0.4	0.00%	0.00%
e368	Instant Access	0	0.0	0.00%	0.0	0.00%	0.03%
e369	Instant Access	5	70.5	0.01%	86.8	0.01%	0.02%
e374	Instant Access	0	0.0	0.00%	0.0	0.00%	0.04%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocation
e376	Instant Access	31	118.5	0.02%	118.5	0.02%	0.02%
r10	RDF: Pilot	0	0.0	0.00%	0.0	0.00%	0.00%
i07	Industrial	134	1335.2	0.17%	1391.8	0.18%	1.75%
<b>EPSRC Total</b>		<b>20536</b>	<b>295964.6</b>	<b>38.44%</b>	<b>466761.8</b>	<b>60.62%</b>	<b>73.61%</b>
n01	Consortia	3295	40291.4	5.23%	48984.4	6.36%	7.71%
n02	Consortia	5437	59300.4	7.70%	68699.2	8.92%	12.67%
n03	Consortia	782	11532.9	1.50%	15463.4	2.01%	5.41%
<b>NERC Total</b>		<b>9514</b>	<b>111124.7</b>	<b>14.43%</b>	<b>133147.0</b>	<b>17.29%</b>	<b>25.79%</b>
b14	Class1a	0	0.0	0.00%	0.0	0.00%	0.03%
b16	Class1a	14	256.1	0.03%	597.9	0.08%	0.05%
e329	Class1a	16	576.5	0.07%	576.5	0.07%	0.05%
<b>BBSRC Total</b>		<b>30</b>	<b>832.5</b>	<b>0.11%</b>	<b>1174.4</b>	<b>0.15%</b>	<b>0.14%</b>
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u1103	DECI: EXEC	22	79.7	0.01%	82.5	0.01%	0.31%
pr1u1105	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.35%
pr1u1109	DECI: EXEC	315	4372.5	0.57%	4742.7	0.62%	0.32%
pr1u1110	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.18%
pr1u1111	DECI: EXEC	7	78.4	0.01%	78.4	0.01%	0.06%
pr1u1112	DECI: EXEC	109	534.3	0.07%	547.7	0.07%	0.28%
pr1u1113	DECI: EXEC	2	0.0	0.00%	398.8	0.05%	0.53%
pr1u1114	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.03%
pr1u1115	DECI: EXEC	70	46.0	0.01%	206.9	0.03%	0.16%
pr1u1202	DECI: EXEC	136	1014.3	0.13%	1392.3	0.18%	0.68%
pr1u1204	DECI: EXEC	65	8388.7	1.09%	8964.7	1.16%	0.36%
pr1u1205	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.20%
pr1u1211	DECI: EXEC	12	32.3	0.00%	32.3	0.00%	0.18%
pr1u1212	DECI: EXEC	32	640.1	0.08%	1626.6	0.21%	0.25%
pr1u1213	DECI: EXEC	5	1689.7	0.22%	1689.7	0.22%	0.16%
pr1u1214	DECI: EXEC	12	17.4	0.00%	17.4	0.00%	0.11%
pr1u1215	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.19%
pr1u1101	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u1104	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u1106	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u1108	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u1201	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u1203	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u1206	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u1207	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.02%
pr1u1208	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u1209	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u1210	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.00%
pr1u0000	Service	0	0.0	0.00%	0.0	0.00%	0.00%
<b>PRACE Total</b>		<b>787</b>	<b>16893.3</b>	<b>2.19%</b>	<b>19780.0</b>	<b>2.57%</b>	<b>4.38%</b>
ecse0101	eCSE	358	22.1	0.00%	22.1	0.00%	0.01%
ecse0102	eCSE	0	0.0	0.00%	0.0	0.00%	0.00%
ecse0103	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecse0105	eCSE	0	0.0	0.00%	0.0	0.00%	0.00%
ecse0108	eCSE	18	63.8	0.01%	63.8	0.01%	0.01%
ecse0109	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecse0110	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecse0113	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecse0115	eCSE	3	0.3	0.00%	0.4	0.00%	0.01%
ecse0116	eCSE	0	0.0	0.00%	0.0	0.00%	0.02%
ecse0117	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecse0118	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecse0202	eCSE	3	0.4	0.00%	0.4	0.00%	0.01%
ecse0203	eCSE	0	0.0	0.00%	0.0	0.00%	0.00%
ecse0206	eCSE	0	0.0	0.00%	0.0	0.00%	0.00%
ecse0208	eCSE	0	0.0	0.00%	0.0	0.00%	0.00%
ecse0209	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecse0213	eCSE	12	3.0	0.00%	3.0	0.00%	0.01%
ecse0215	eCSE	2	0.0	0.00%	335.9	0.04%	0.00%
ecsepr01	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocation
ecsepr02	eCSE	20	39.2	0.01%	39.2	0.01%	0.01%
ecsepr03	eCSE	54	2.5	0.00%	2.5	0.00%	0.01%
ecsepr04	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecsepr05	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecsepr06	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecsepr07	eCSE	19	10.4	0.00%	10.4	0.00%	0.01%
ecsepr08	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecsepr09	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecsepr10	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecsepr11	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecsepr12	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecsepr13	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecsepr14	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecsepr15	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecseta01	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecseta02	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
ecseta03	eCSE	0	0.0	0.00%	0.0	0.00%	0.01%
<b>eCSE Total</b>		<b>489</b>	<b>141.6</b>	<b>0.02%</b>	<b>477.7</b>	<b>0.06%</b>	<b>0.31%</b>
d43	ECDF	298	1916.7	0.25%	4231.0	0.55%	1.32%
d25	Research	23	26.5	0.00%	41.2	0.01%	0.17%
d35	Research	4	0.0	0.00%	0.0	0.00%	0.03%
d37	Research	293	876.0	0.11%	941.1	0.12%	0.14%
d41	Research	0	0.0	0.00%	0.0	0.00%	0.05%
d56	Research	448	1197.7	0.16%	1967.7	0.26%	0.43%
d57	Research	2	0.0	0.00%	2176.5	0.28%	0.00%
d60	Research	0	0.0	0.00%	0.0	0.00%	0.01%
d61	Research	0	0.0	0.00%	0.0	0.00%	0.01%
d62	Research	0	0.0	0.00%	0.0	0.00%	0.04%
d63	Research	0	0.0	0.00%	0.0	0.00%	0.04%
d64	Research	0	0.0	0.00%	0.0	0.00%	0.03%
d65	Research	0	0.0	0.00%	0.0	0.00%	0.80%
d66	Research	0	0.0	0.00%	0.0	0.00%	0.00%
d67	Research	46	18.5	0.00%	18.7	0.00%	0.01%
d69	Research	14	214.4	0.03%	214.4	0.03%	0.02%
d70	Research	0	0.0	0.00%	0.0	0.00%	0.01%
d71	Research	28	50.7	0.01%	136.9	0.02%	0.17%
d72	Research	0	0.0	0.00%	0.0	0.00%	0.01%
e324	Research	0	0.0	0.00%	0.0	0.00%	0.07%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	0.00%
i02	Industrial	0	0.0	0.00%	0.0	0.00%	0.00%
i03	Industrial	0	0.0	0.00%	0.0	0.00%	0.23%
i04	Industrial	0	0.0	0.00%	0.0	0.00%	0.00%
i06	Industrial	0	0.0	0.00%	0.0	0.00%	0.01%
i10	Industrial	0	0.0	0.00%	0.0	0.00%	0.01%
i13	Industrial	0	0.0	0.00%	0.0	0.00%	0.00%
i15	Industrial	496	287.1	0.04%	296.1	0.04%	0.03%
x08	Industrial	17	44.5	0.01%	70.5	0.01%	0.01%
d59	Training	1	0.0	0.00%	0.0	0.00%	0.04%
d68	Training	1	0.0	0.00%	0.0	0.00%	0.05%
d39	Service	4	0.0	0.00%	0.0	0.00%	0.01%
i14	Service	0	0.0	0.00%	0.0	0.00%	0.05%
y01	Service	0	0.0	0.00%	0.0	0.00%	0.01%
y02	Service	75	156.4	0.02%	13022.6	1.69%	0.07%
y07	Service	1	0.0	0.00%	0.0	0.00%	0.01%
z02	Service	338	260.1	0.03%	1658.0	0.22%	0.03%
z99	Service	21	0.1	0.00%	0.2	0.00%	0.00%
<b>Directors Time Total</b>		<b>2110</b>	<b>5048.7</b>	<b>0.66%</b>	<b>24774.9</b>	<b>3.22%</b>	<b>3.93%</b>
y14	Training	19	194.5	0.03%	129.7	0.02%	0.03%
z01	Service	79	33.9	0.00%	2437.4	0.32%	0.72%
<b>CSE Total</b>		<b>98</b>	<b>228.4</b>	<b>0.03%</b>	<b>2567.1</b>	<b>0.33%</b>	<b>0.75%</b>
<b>Total</b>		<b>33564</b>	<b>430233.8</b>	<b>55.87%</b>	<b>648682.9</b>	<b>84.24%</b>	<b>108.90%</b>

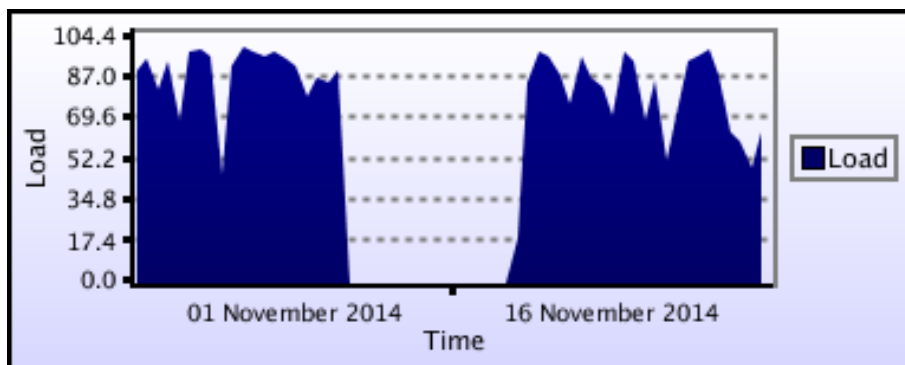




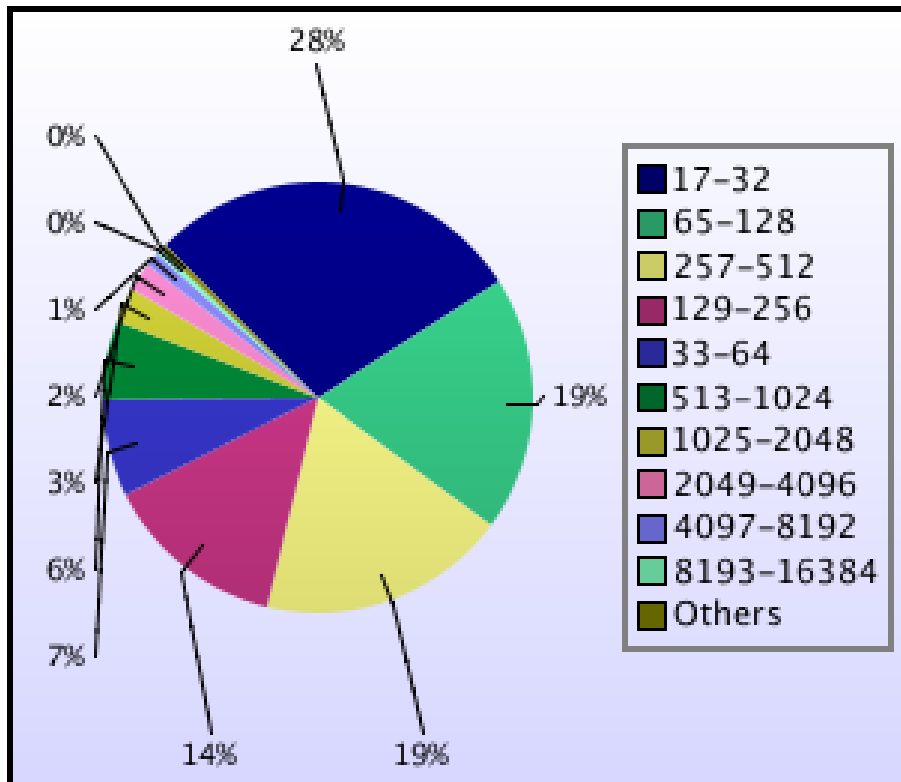
### kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	4603.202	9538
33-64	9191.713	2459
65-128	24015.733	6439
129-256	38460.621	4596
257-512	42298.522	6277
513-1024	48993.604	1997
1025-2048	61294.936	884
2049-4096	72272.698	723
4097-8192	72593.274	352
8193-16384	25538.133	148
16385-32768	9717.077	66
32769-65536	20318.386	27
65537-131072	681.062	55

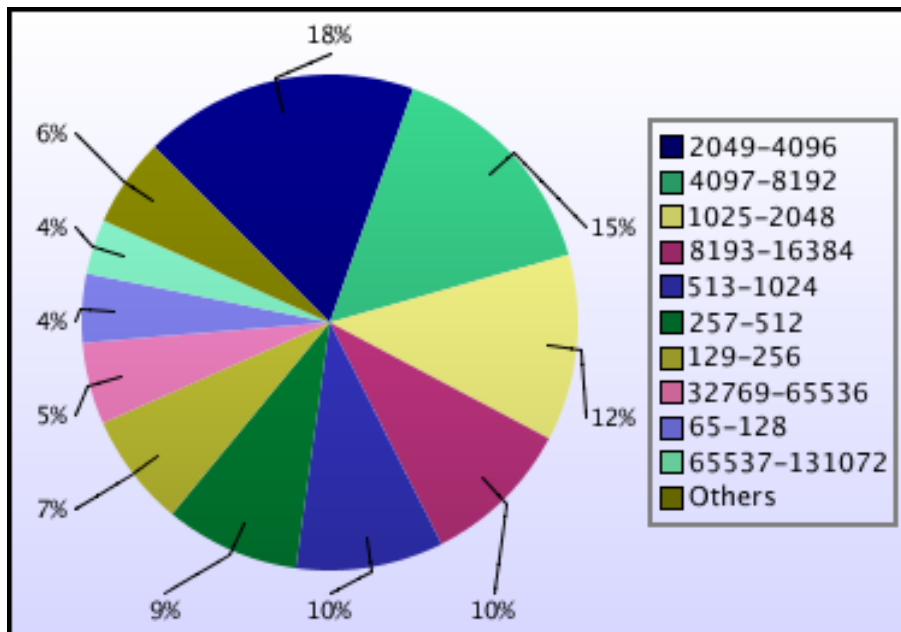
### Load plots



Percentage load on machine

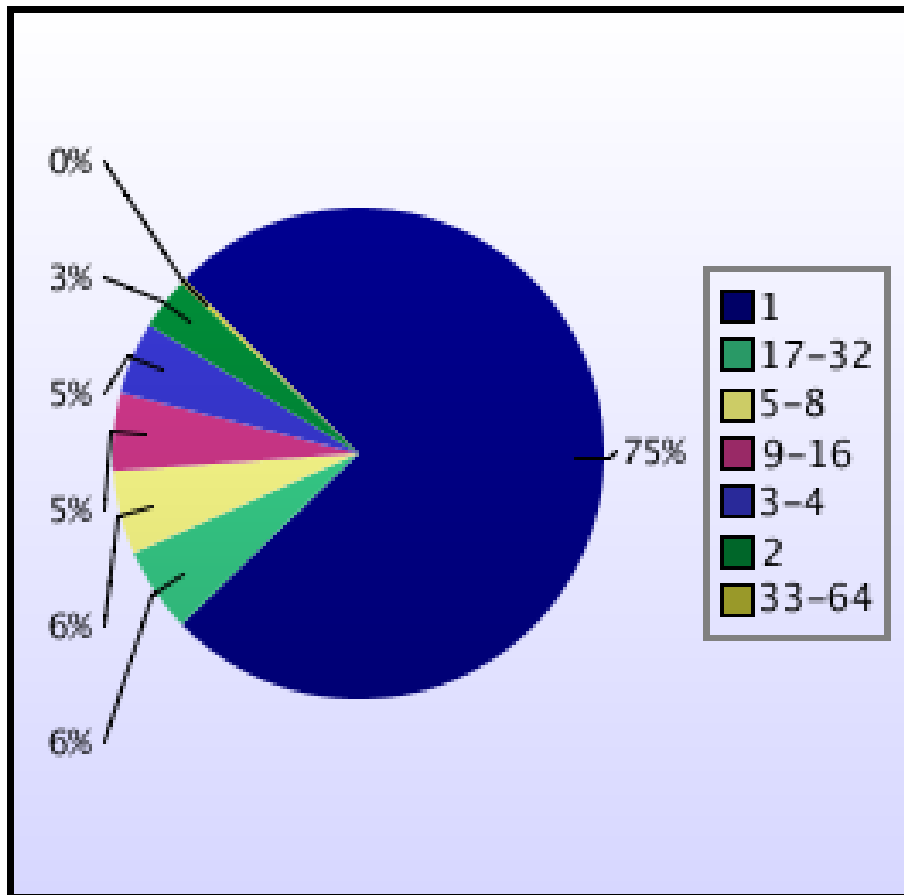


Jobs by Size

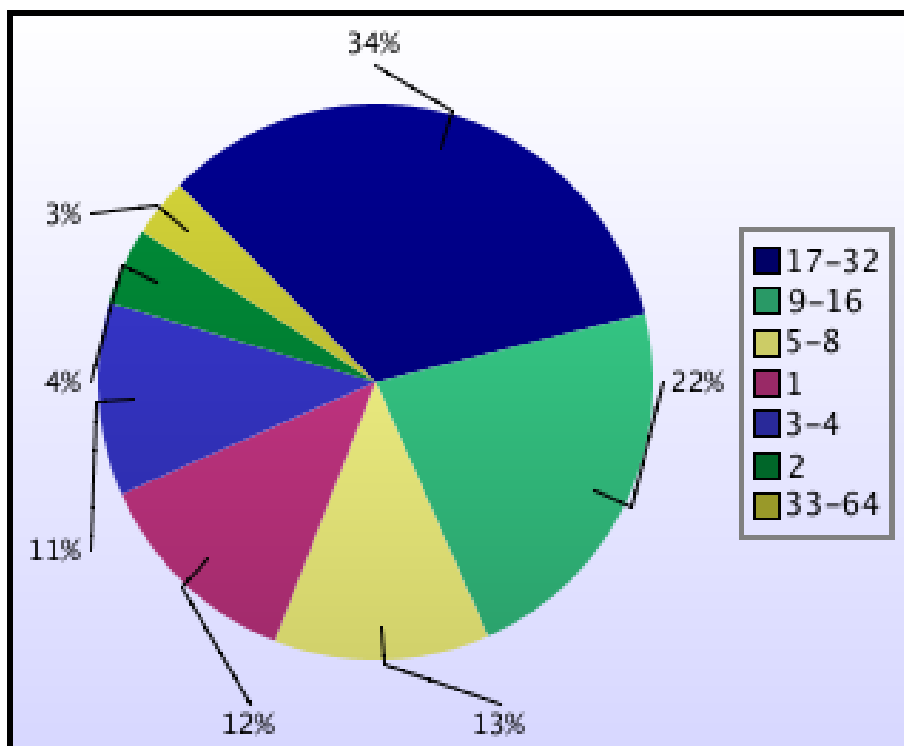


kAUs used by Size

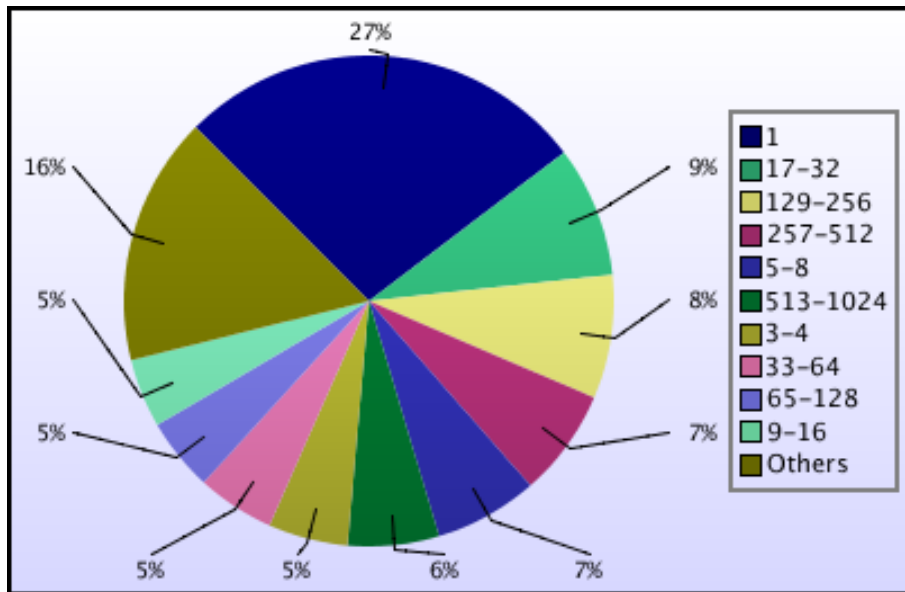




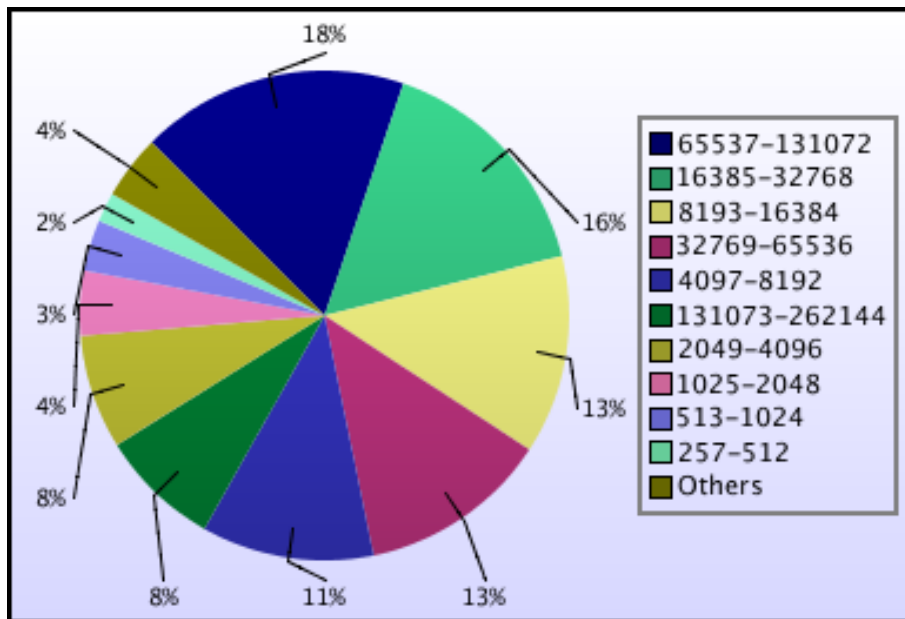
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

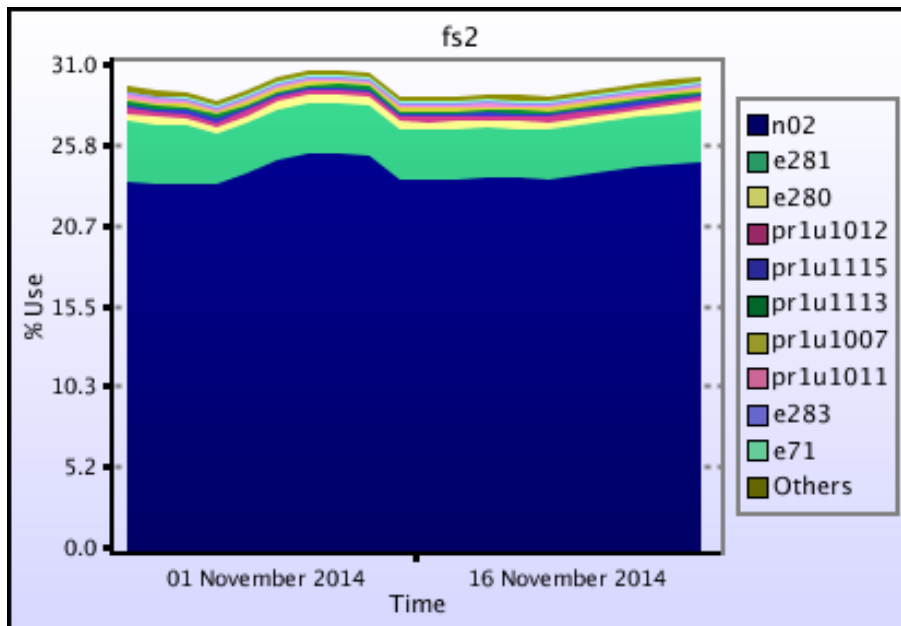


kAUs used grouped by core-hours

## Disk usage

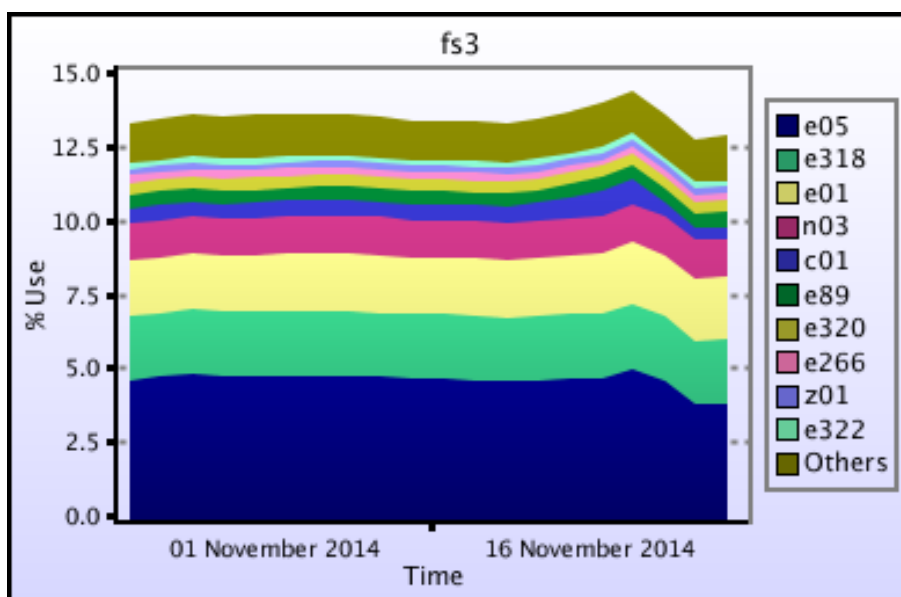
### Disk usage for work (fs2)

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.



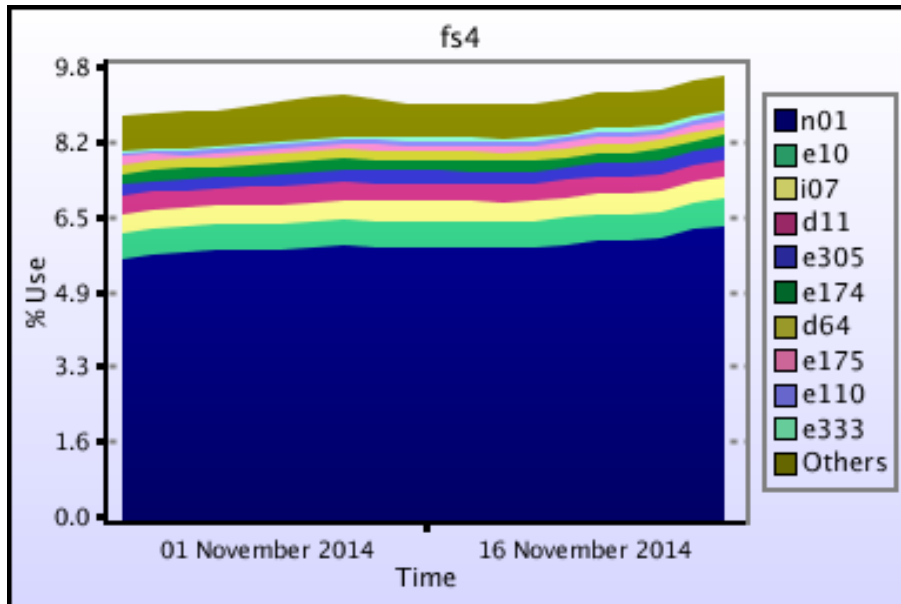
### Disk usage for work (fs3)

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.



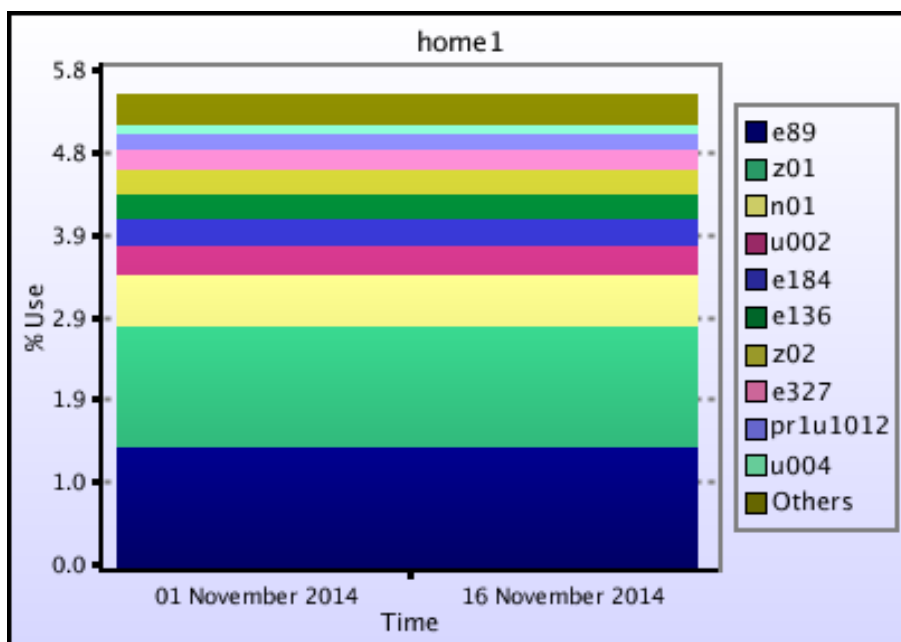
### Disk usage for work (fs4)

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.



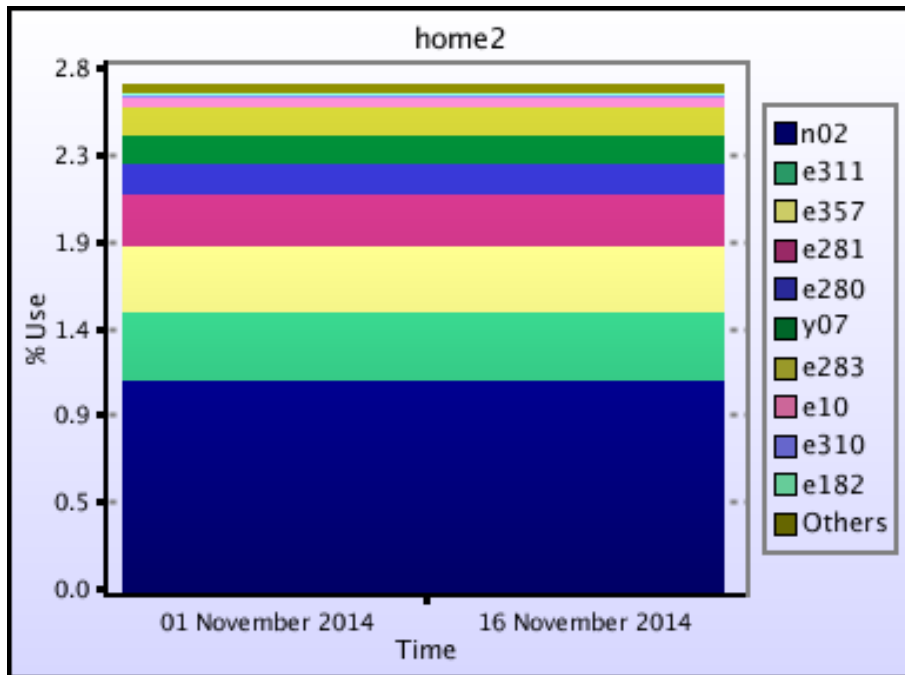
### Disk usage for home (home1)

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.



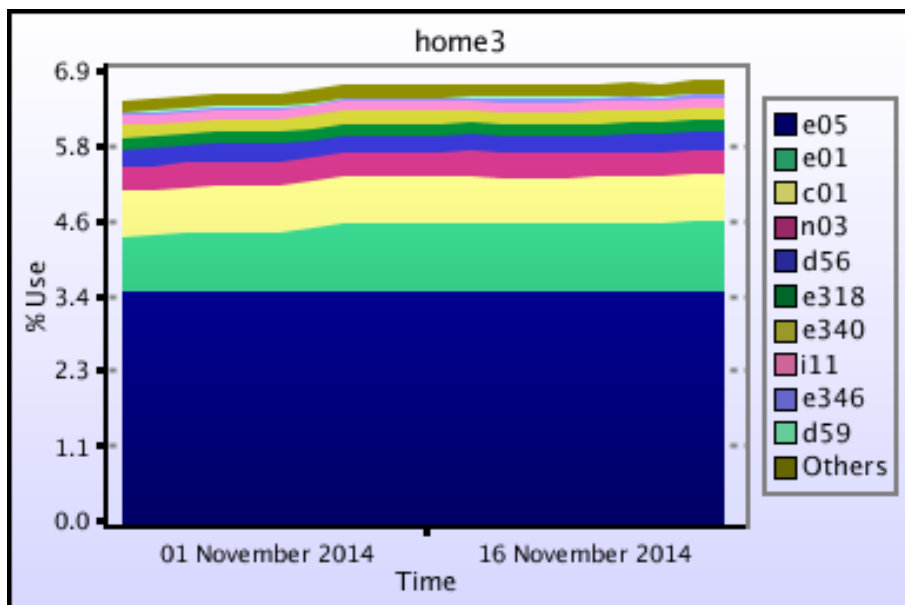
### Disk usage for home (home2)

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.

