

Monthly Reporting

Report from 01 September 2024 to 30 September 2024

Report for Resource Pool Archer2 on archer2

A total of 4,210,560 CUs 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.

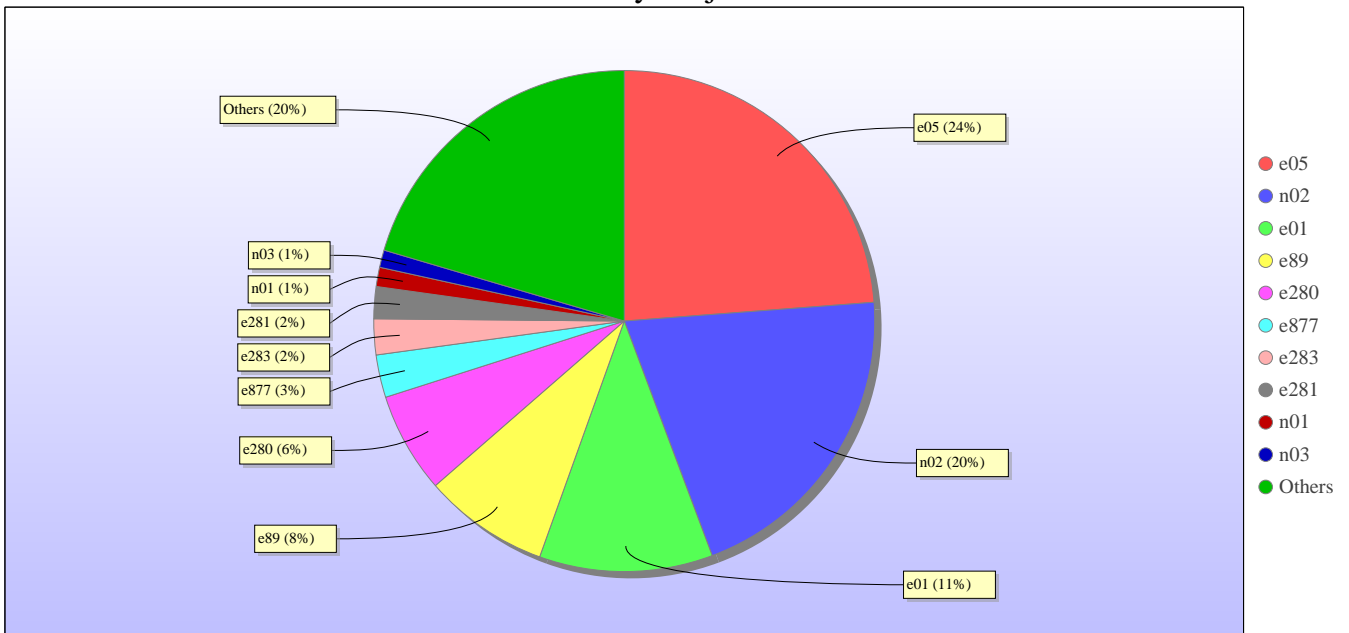
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e645	Leadership Awards	13	61.3	0.00%	61.3	0.00%	20,911.8	0.50%
e760	Leadership Awards	26	36.3	0.00%	36.3	0.00%	642.5	0.02%
e786	Leadership Awards	22	456.2	0.01%	456.2	0.01%	9,445.3	0.22%
e787	Leadership Awards	58	8,566.7	0.20%	16,837.6	0.40%	48,182.5	1.14%
e861	Leadership Awards	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e862	Leadership Awards	0	0.0	0.00%	0.0	0.00%	782.4	0.02%
e731	Pioneer Projects	100	3,062.3	0.07%	3,062.3	0.07%	24,451.0	0.58%
e744	Pioneer Projects	78	20,592.9	0.49%	20,594.5	0.49%	18,700.1	0.44%
e808	Pioneer Projects	368	5,712.7	0.14%	18,134.4	0.43%	6,893.4	0.16%
e809	Pioneer Projects	280	13,131.9	0.31%	29,485.7	0.70%	26,081.1	0.62%
e810	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	36,676.5	0.87%
e812	Pioneer Projects	124	21,759.8	0.52%	21,759.8	0.52%	14,279.4	0.34%
e813	Pioneer Projects	181	6,448.0	0.15%	6,448.0	0.15%	23,146.9	0.55%
e814	Pioneer Projects	5	6,554.4	0.16%	7,016.2	0.17%	40,008.3	0.95%
e815	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	21,516.9	0.51%
e817	Pioneer Projects	68	3,675.0	0.09%	3,675.0	0.09%	74,624.4	1.77%
c01	Class1a	560	41,154.5	0.98%	41,154.5	0.98%	23,958.9	0.57%
e348	Class1a	9,747	12,786.4	0.30%	12,787.1	0.30%	41,175.5	0.98%
e609	Class1a	683	28,458.6	0.68%	33,355.3	0.79%	11,219.2	0.27%
e643	Class1a	797	2,677.3	0.06%	2,677.3	0.06%	19,560.8	0.46%
e647	Class1a	486	24,625.1	0.58%	25,522.2	0.61%	11,771.7	0.28%
e705	Class1a	36	4,549.1	0.11%	4,549.1	0.11%	3,866.5	0.09%
e707	Class1a	20	10,774.6	0.26%	10,776.3	0.26%	10,755.2	0.26%
e710	Class1a	73	2,700.8	0.06%	2,700.8	0.06%	3,504.0	0.08%
e712	Class1a	71	31,743.4	0.75%	39,983.8	0.95%	16,300.7	0.39%
e720	Class1a	685	24,583.0	0.58%	24,583.0	0.58%	35,209.4	0.84%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e721	Class1a	19	0.1	0.00%	1.0	0.00%	2,172.9	0.05%
e728	Class1a	107	1,578.5	0.04%	1,578.5	0.04%	1,894.0	0.04%
e751	Class1a	27	1,198.7	0.03%	1,198.7	0.03%	7,335.3	0.17%
e752	Class1a	271	2,373.2	0.06%	4,057.3	0.10%	3,423.1	0.08%
e763	Class1a	78	2,417.9	0.06%	2,417.9	0.06%	11,761.5	0.28%
e764	Class1a	34	84.5	0.00%	84.5	0.00%	5,515.2	0.13%
e767	Class1a	841	30,472.2	0.72%	30,483.8	0.72%	11,475.4	0.27%
e769	Class1a	103	1,374.6	0.03%	1,374.6	0.03%	21,897.8	0.52%
e770	Class1a	0	0.0	0.00%	0.0	0.00%	11,599.5	0.28%
e793	Class1a	237	19,916.4	0.47%	19,916.4	0.47%	27,372.3	0.65%
e820	Class1a	32	1,441.4	0.03%	1,441.4	0.03%	16,540.6	0.39%
e821	Class1a	0	0.0	0.00%	0.0	0.00%	3,441.8	0.08%
e835	Class1a	44	4,100.3	0.10%	4,100.3	0.10%	9,254.9	0.22%
e838	Class1a	22	126.9	0.00%	131.0	0.00%	8,150.3	0.19%
e855	Class1a	462	764.8	0.02%	41,122.8	0.98%	38,112.8	0.91%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	1,147.5	0.03%
e01	Consortia	2,859	279,849.1	6.65%	424,990.8	10.09%	334,196.1	7.94%
e05	Consortia	40,378	545,603.9	12.96%	903,859.1	21.47%	753,905.4	17.91%
e89	Consortia	23,835	260,839.7	6.19%	308,020.6	7.32%	362,200.6	8.60%
e280	Consortia	4,367	156,487.4	3.72%	246,275.3	5.85%	203,758.2	4.84%
e281	Consortia	2,795	78,013.6	1.85%	78,269.2	1.86%	114,104.6	2.71%
e283	Consortia	4,533	87,126.1	2.07%	87,755.8	2.08%	64,061.6	1.52%
e772	Consortia	1,799	23,047.2	0.55%	24,279.9	0.58%	61,127.5	1.45%
e773	Consortia	922	17,136.4	0.41%	17,159.4	0.41%	30,170.6	0.72%
e718	Pump Priming	0	0.0	0.00%	0.0	0.00%	655.7	0.02%
e818	Pump Priming	0	0.0	0.00%	0.0	0.00%	4,030.4	0.10%
e853	Pump Priming	100	5.4	0.00%	5.4	0.00%	217.7	0.01%
e856	Pump Priming	0	0.0	0.00%	0.0	0.00%	625.6	0.01%
e857	Pump Priming	0	0.0	0.00%	0.0	0.00%	655.7	0.02%
e858	Pump Priming	12	0.0	0.00%	40,341.7	0.96%	1.9	0.00%
e859	Pump Priming	273	300.6	0.01%	300.6	0.01%	599.9	0.01%
e872	Pump Priming	0	0.0	0.00%	0.0	0.00%	556.8	0.01%
e874	Pump Priming	26	240.4	0.01%	240.4	0.01%	652.0	0.02%
e879	Pump Priming	0	0.0	0.00%	0.0	0.00%	652.0	0.02%
z61	Research	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
ta171	Training	0	0.0	0.00%	0.0	0.00%	2,775.6	0.07%
e703	Access to HPC	7	71.9	0.00%	71.9	0.00%	4,772.4	0.11%
e727	Access to HPC	300	1,803.7	0.04%	1,803.7	0.04%	7,047.8	0.17%
e734	Access to HPC	57	1,786.4	0.04%	1,786.4	0.04%	8,408.3	0.20%
e742	Access to HPC	570	2,989.8	0.07%	2,989.8	0.07%	4,416.5	0.10%
e779	Access to HPC	138	2,253.8	0.05%	2,263.7	0.05%	2,298.4	0.05%
e781	Access to HPC	485	1,931.6	0.05%	4,885.3	0.12%	7,674.3	0.18%
e804	Access to HPC	0	0.0	0.00%	0.0	0.00%	27,010.1	0.64%
e807	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,278.7	0.08%
e822	Access to HPC	425	18,179.8	0.43%	18,179.8	0.43%	19,900.6	0.47%
e827	Access to HPC	0	0.0	0.00%	0.0	0.00%	6,009.8	0.14%
e829	Access to HPC	493	6,850.9	0.16%	7,213.2	0.17%	6,456.5	0.15%
e830	Access to HPC	77	12,532.3	0.30%	12,532.3	0.30%	16,043.5	0.38%
e840	Access to HPC	0	0.0	0.00%	0.0	0.00%	5,095.1	0.12%
e842	Access to HPC	402	5,694.1	0.14%	17,762.6	0.42%	12,437.2	0.30%
e843	Access to HPC	19	668.3	0.02%	668.3	0.02%	9,047.1	0.21%
e844	Access to HPC	4	2.6	0.00%	2.6	0.00%	5,094.0	0.12%
e845	Access to HPC	330	9,111.1	0.22%	9,315.7	0.22%	13,457.8	0.32%
e846	Access to HPC	132	5,525.8	0.13%	5,525.8	0.13%	22,820.9	0.54%
e847	Access to HPC	356	6,407.3	0.15%	6,409.5	0.15%	1,956.1	0.05%
e848	Access to HPC	96	726.0	0.02%	726.0	0.02%	5,297.7	0.13%
e850	Access to HPC	1,085	4,389.9	0.10%	4,392.7	0.10%	16,626.7	0.39%
e851	Access to HPC	106	32,864.8	0.78%	32,864.8	0.78%	73,353.0	1.74%
e852	Access to HPC	6	1,004.3	0.02%	1,004.3	0.02%	2,216.9	0.05%
e863	Access to HPC	308	4,595.0	0.11%	4,595.0	0.11%	8,140.0	0.19%
e864	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,308.5	0.08%
e865	Access to HPC	460	2,395.0	0.06%	2,395.0	0.06%	24,445.5	0.58%
e868	Access to HPC	0	0.0	0.00%	0.0	0.00%	5,931.4	0.14%

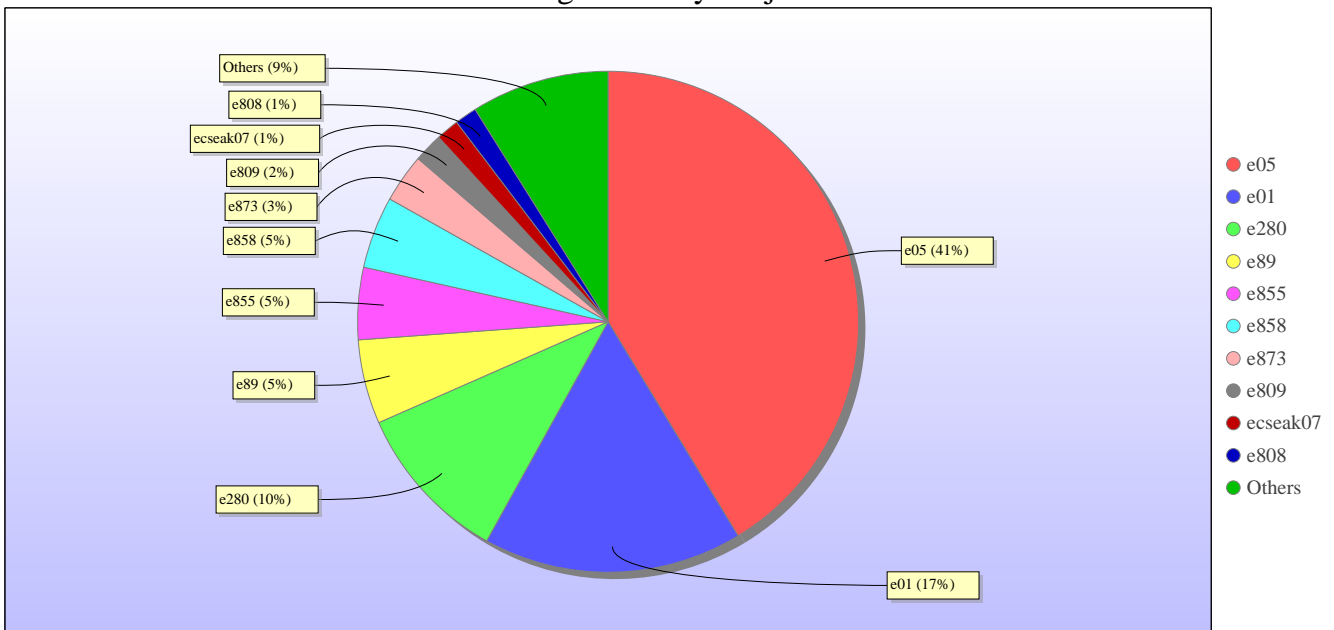
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e870	Access to HPC	42	245.3	0.01%	245.3	0.01%	5,061.4	0.12%
e871	Access to HPC	46	11.3	0.00%	11.3	0.00%	329.5	0.01%
e873	Access to HPC	46	14,419.1	0.34%	41,649.8	0.99%	13,037.6	0.31%
e875	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,471.4	0.06%
e876	Access to HPC	82	3,391.7	0.08%	3,391.7	0.08%	1,955.6	0.05%
e877	Access to HPC	687	103,495.1	2.46%	104,528.3	2.48%	71,706.7	1.70%
e878	Access to HPC	0	0.0	0.00%	0.0	0.00%	7,963.4	0.19%
e881	Access to HPC	0	0.0	0.00%	0.0	0.00%	6,518.8	0.15%
e883	Access to HPC	576	4,033.4	0.10%	4,033.4	0.10%	11,984.6	0.28%
e884	Access to HPC	25	205.1	0.00%	205.1	0.00%	16,476.0	0.39%
ec281	Access to HPC	0	0.0	0.00%	0.0	0.00%	281,126.2	6.68%
EPSRC Total		106,017	2,036,194.8	48.36%	2,856,515.9	67.84%	3,400,883.2	80.77%
n01	Consortia	1,305	47,968.6	1.14%	47,069.9	1.12%	80,383.6	1.91%
n02	Consortia	68,628	770,254.9	18.29%	777,844.7	18.47%	581,671.2	13.81%
n03	Consortia	1,843	36,560.7	0.87%	42,642.1	1.01%	74,958.9	1.78%
NERC Total		71,776	854,784.2	20.30%	867,556.8	20.60%	737,013.7	17.50%
b19	Class1a	4	101.6	0.00%	101.6	0.00%	1,432.4	0.03%
BBSRC Total		4	101.6	0.00%	101.6	0.00%	1,432.4	0.03%
e756	Leadership Awards	88	1,079.5	0.03%	1,079.5	0.03%	4,916.9	0.12%
e723	Class1a	408	12,077.0	0.29%	15,693.6	0.37%	38,321.2	0.91%
e738	Class1a	4	0.6	0.00%	0.6	0.00%	16,300.7	0.39%
e860	Class1a	517	341.1	0.01%	341.1	0.01%	652.2	0.02%
UKRI Total		1,017	13,498.2	0.32%	17,114.8	0.41%	60,190.9	1.43%
ecseaf06	eCSE	0	0.0	0.00%	0.0	0.00%	26.6	0.00%
ecseag09	eCSE	56	4.3	0.00%	4.3	0.00%	183.0	0.00%
ecseah01	eCSE	21	1.9	0.00%	1.9	0.00%	98.5	0.00%
ecseah05	eCSE	146	17.9	0.00%	22.4	0.00%	52.6	0.00%
ecseai04	eCSE	121	9,103.5	0.22%	9,128.0	0.22%	160.8	0.00%
ecseai05	eCSE	0	0.0	0.00%	0.0	0.00%	120.6	0.00%
ecseai12	eCSE	0	0.0	0.00%	0.0	0.00%	57.0	0.00%
ecseaj02	eCSE	120	3.1	0.00%	3.1	0.00%	57.4	0.00%
ecseak01	eCSE	3	1.0	0.00%	1.0	0.00%	60.9	0.00%
ecseak02	eCSE	0	0.0	0.00%	0.0	0.00%	136.4	0.00%
ecseak03	eCSE	25	25.2	0.00%	25.5	0.00%	65.7	0.00%
ecseak05	eCSE	0	0.0	0.00%	0.0	0.00%	121.6	0.00%
ecseak07	eCSE	65	19.8	0.00%	12,911.1	0.31%	82.0	0.00%
ecseak09	eCSE	0	0.0	0.00%	0.0	0.00%	69.4	0.00%
ecseak10	eCSE	0	0.0	0.00%	0.0	0.00%	93.4	0.00%
ecseak11	eCSE	2	4.1	0.00%	4.1	0.00%	188.9	0.00%
ecseak12	eCSE	0	0.0	0.00%	0.0	0.00%	58.2	0.00%
ecseak14	eCSE	0	0.0	0.00%	0.0	0.00%	161.4	0.00%
ecseak15	eCSE	0	0.0	0.00%	0.0	0.00%	164.4	0.00%
ecseak16	eCSE	0	0.0	0.00%	0.0	0.00%	68.0	0.00%
ecsega20	eCSE	0	0.0	0.00%	0.0	0.00%	26.3	0.00%
ecsega23	eCSE	0	0.0	0.00%	0.0	0.00%	64.7	0.00%
eCSE Total		559	9,180.9	0.22%	22,101.5	0.52%	2,117.8	0.05%
d35	Research	999	71.8	0.00%	81.3	0.00%	400.0	0.01%
d011	Research	0	0.0	0.00%	0.0	0.00%	164.3	0.00%
d142	Research	13	624.2	0.01%	624.2	0.01%	411.0	0.01%
d183	Research	33	69.8	0.00%	69.8	0.00%	80.6	0.00%
d184	Research	0	0.0	0.00%	0.0	0.00%	4.1	0.00%
d196	Research	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
d197	Research	0	0.0	0.00%	0.0	0.00%	655.6	0.02%
d198	Research	0	0.0	0.00%	0.0	0.00%	27.4	0.00%
d199	Research	0	0.0	0.00%	0.0	0.00%	438.0	0.01%
d435	Research	366	148.9	0.00%	149.0	0.00%	3,688.5	0.09%
d437	Research	0	0.0	0.00%	0.0	0.00%	409.8	0.01%
d442	Research	0	0.0	0.00%	0.0	0.00%	94.5	0.00%
i246	Research	40	0.0	0.00%	715.7	0.02%	0.1	0.00%
d195	Industrial	0	0.0	0.00%	0.0	0.00%	80.4	0.00%
d433	Industrial	9	3.3	0.00%	3.3	0.00%	16.4	0.00%
d434	Industrial	12	147.1	0.00%	147.1	0.00%	28.0	0.00%

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d440	Industrial	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
d441	Industrial	45	13.9	0.00%	13.9	0.00%	220.6	0.01%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	1,086.4	0.03%
i26	Industrial	15	47.9	0.00%	47.9	0.00%	89.6	0.00%
i29	Industrial	0	0.0	0.00%	0.0	0.00%	1,679.7	0.04%
i239	Industrial	993	5,293.2	0.13%	5,293.2	0.13%	1,379.8	0.03%
i241	Industrial	0	0.0	0.00%	0.0	0.00%	1,537.2	0.04%
i242	Industrial	0	0.0	0.00%	0.0	0.00%	243.9	0.01%
i243	Industrial	0	0.0	0.00%	0.0	0.00%	638.5	0.02%
i244	Industrial	615	225.0	0.01%	225.0	0.01%	849.9	0.02%
i248	Industrial	188	6,417.0	0.15%	6,417.0	0.15%	22,191.2	0.53%
i250	Industrial	4	0.7	0.00%	0.7	0.00%	1.7	0.00%
i251	Industrial	68	249.5	0.01%	250.9	0.01%	32.1	0.00%
i252	Industrial	62	42.0	0.00%	42.0	0.00%	365.9	0.01%
m22ol	Training	0	0.0	0.00%	0.0	0.00%	328.2	0.01%
m23oc	Training	0	0.0	0.00%	0.0	0.00%	526.6	0.01%
m23ol	Training	1	0.0	0.00%	0.0	0.00%	351.1	0.01%
m24hw	Training	0	0.0	0.00%	0.0	0.00%	467.3	0.01%
m24oc	Training	0	0.0	0.00%	0.0	0.00%	934.6	0.02%
m24ol	Training	0	0.0	0.00%	0.0	0.00%	467.3	0.01%
m24ext	Training	0	0.0	0.00%	0.0	0.00%	93.5	0.00%
mdisspt	Training	0	0.0	0.00%	0.0	0.00%	178.6	0.00%
ta124	Training	0	0.0	0.00%	0.0	0.00%	18.4	0.00%
ta125	Training	0	0.0	0.00%	0.0	0.00%	18.4	0.00%
ta126	Training	0	0.0	0.00%	0.0	0.00%	30.7	0.00%
ta127	Training	0	0.0	0.00%	0.0	0.00%	639.3	0.02%
ta135	Training	0	0.0	0.00%	0.0	0.00%	987.7	0.02%
ta136	Training	179	0.3	0.00%	0.3	0.00%	14.8	0.00%
ta156	Training	0	0.0	0.00%	0.0	0.00%	30.7	0.00%
ta157	Training	0	0.0	0.00%	0.0	0.00%	491.8	0.01%
ta162	Training	0	0.0	0.00%	0.0	0.00%	297.0	0.01%
ta163	Training	0	0.0	0.00%	0.0	0.00%	38.7	0.00%
ta164	Training	0	0.0	0.00%	0.0	0.00%	104.8	0.00%
ta165	Training	0	0.0	0.00%	0.0	0.00%	54.9	0.00%
ta167	Training	87	391.5	0.01%	391.5	0.01%	1,265.9	0.03%
ta169	Training	0	0.0	0.00%	0.0	0.00%	6.2	0.00%
ta170	Training	0	0.0	0.00%	0.0	0.00%	246.4	0.01%
ta172	Training	0	0.0	0.00%	0.0	0.00%	88.6	0.00%
ta173	Training	0	0.0	0.00%	0.0	0.00%	66.1	0.00%
ta174	Training	0	0.0	0.00%	0.0	0.00%	42.8	0.00%
d438	Service	0	0.0	0.00%	0.0	0.00%	5,453.7	0.13%
d439	Service	0	0.0	0.00%	0.0	0.00%	24,590.2	0.58%
y01	Service	0	0.0	0.00%	0.0	0.00%	72.4	0.00%
y02	Service	266	147.5	0.00%	3,452.5	0.08%	4,098.4	0.10%
y07	Service	0	0.0	0.00%	0.0	0.00%	27.4	0.00%
z02	Service	1	0.0	0.00%	0.0	0.00%	8.2	0.00%
z19	Service	4,200	4,633.3	0.11%	15,667.4	0.37%	40,983.6	0.97%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
DirectorsTime Total		8,196	18,526.7	0.44%	33,592.6	0.80%	119,882.2	2.85%
Total		187,569	2,932,286.5	69.64%	3,796,983.3	90.18%	4,321,520.2	102.64%

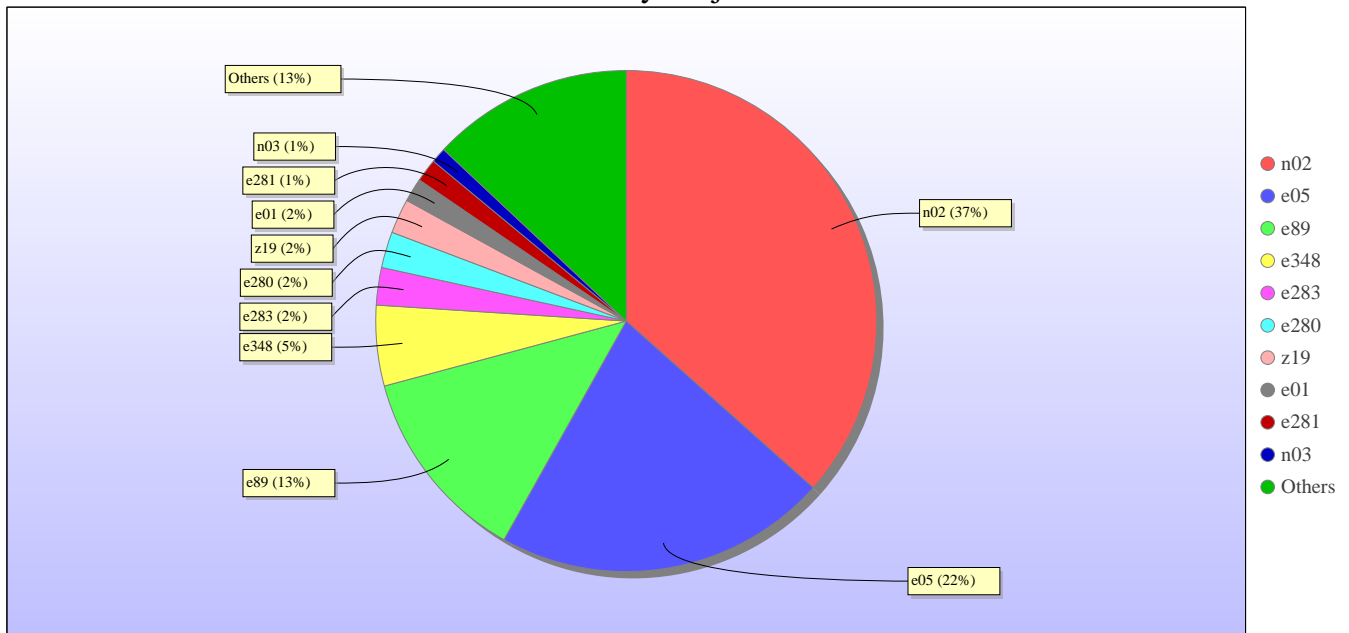
Use by Project



Uncharged Use by Project



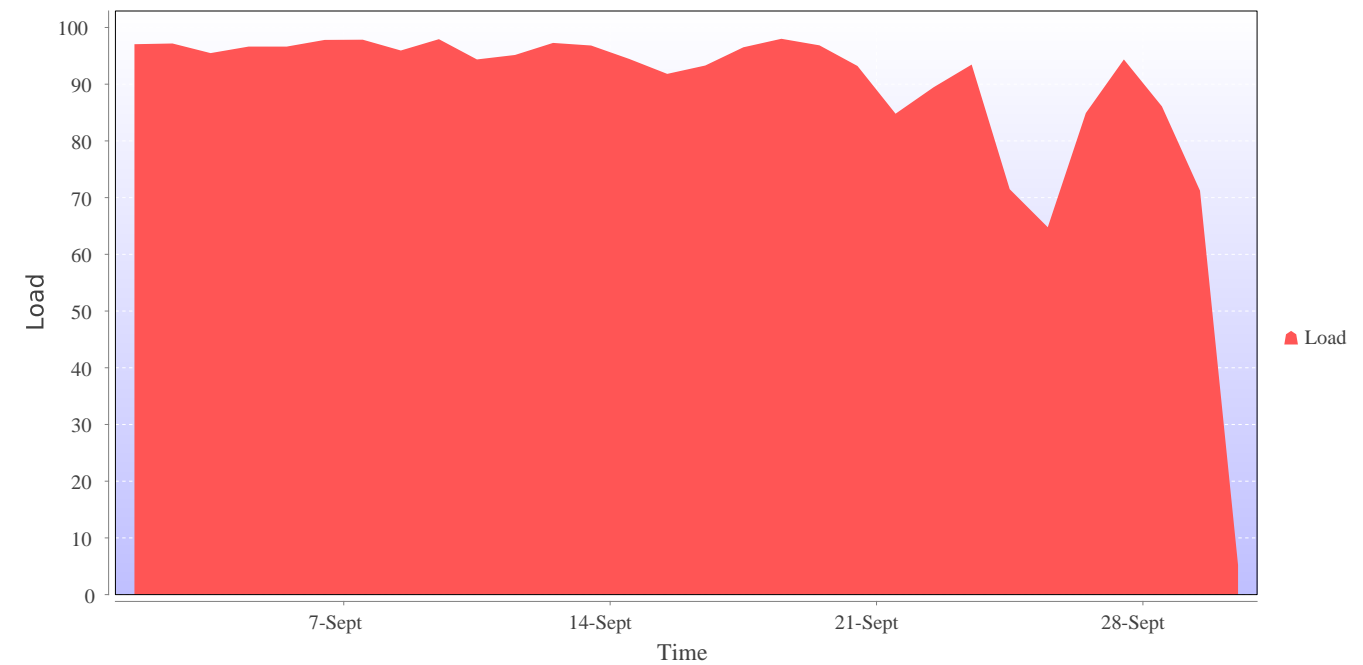
Jobs by Project



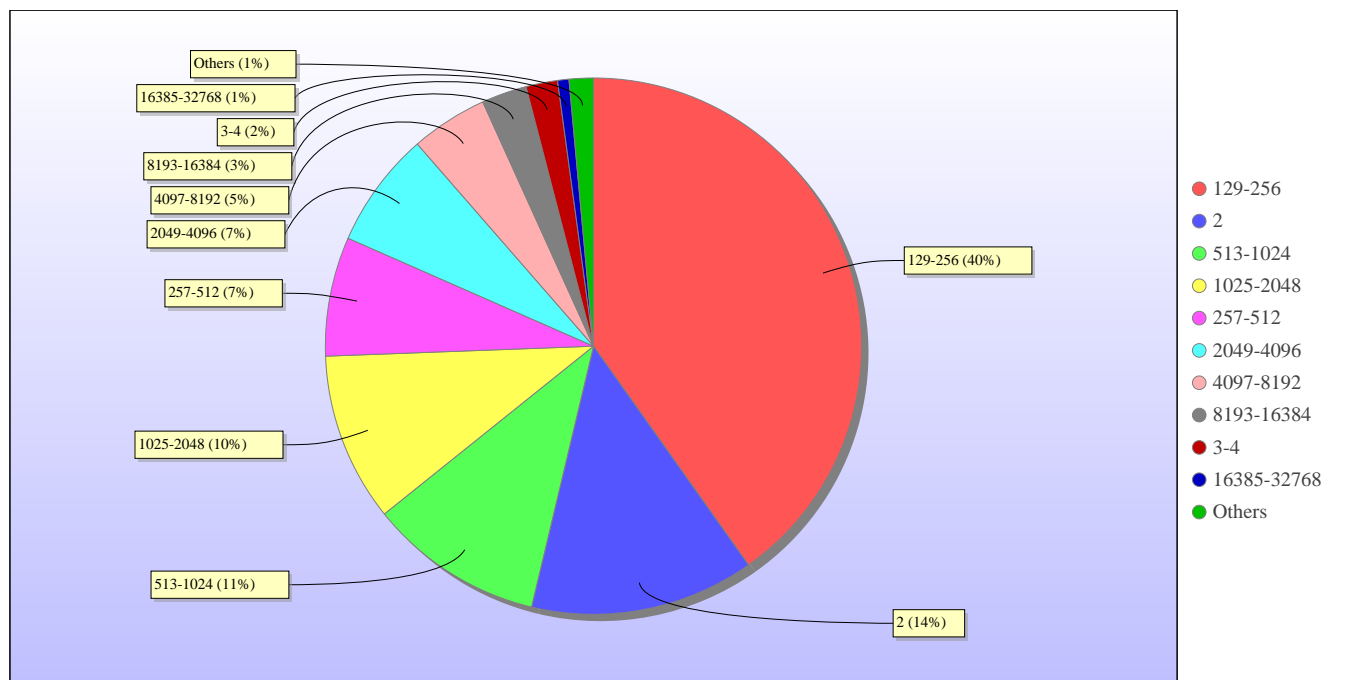
CUs (by Size)

Size	CUs	Number of Jobs
1	0	3
2	0	25,372
3-4	0	3,575
5-8	0	583
9-16	0	119
17-32	0	240
33-64	0	7
65-128	0	2
129-256	152,894.786	75,379
257-512	141,286.624	13,479
513-1024	275,297.058	19,742
1025-2048	311,063.886	19,069
2049-4096	387,246.839	13,122
4097-8192	353,861.084	8,698
8193-16384	593,825.987	5,113
16385-32768	304,553.206	1,279
32769-65536	296,239.57	801
65537-131072	20,433.668	658
131073-262144	35,090.698	197
262145-524288	60,493.08	98
524289-1048576	0	33

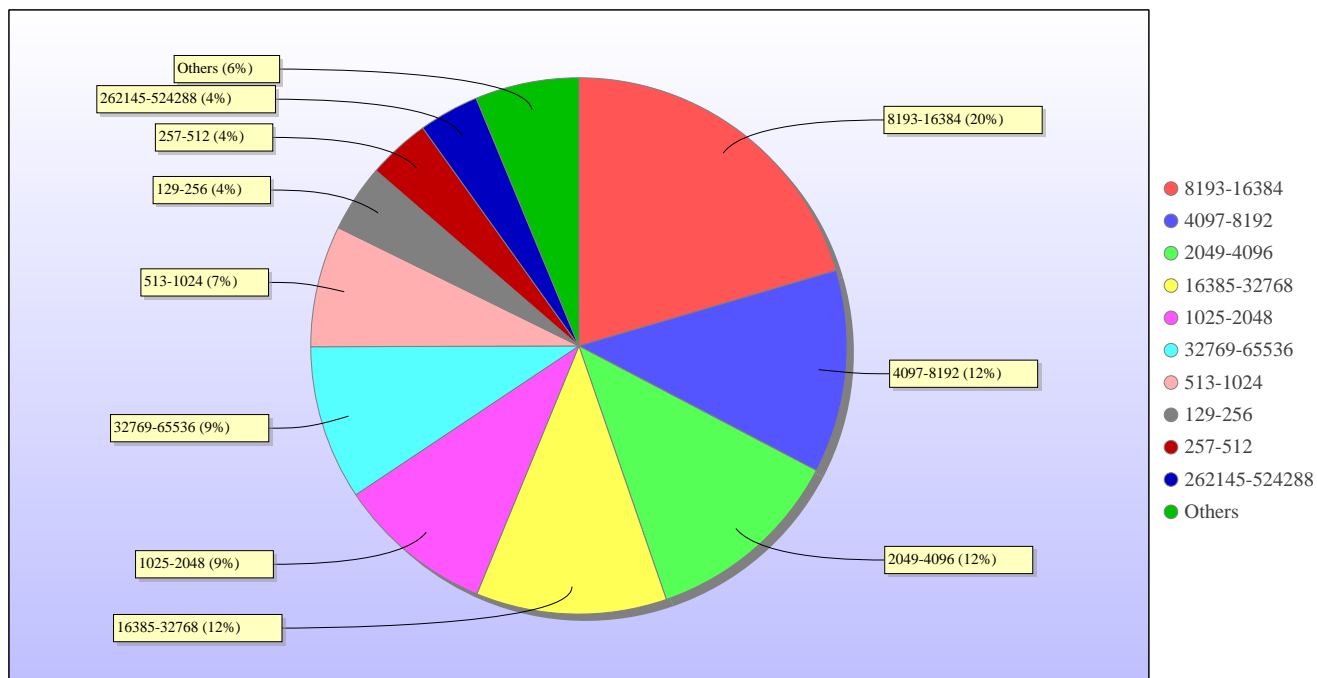
Load plots



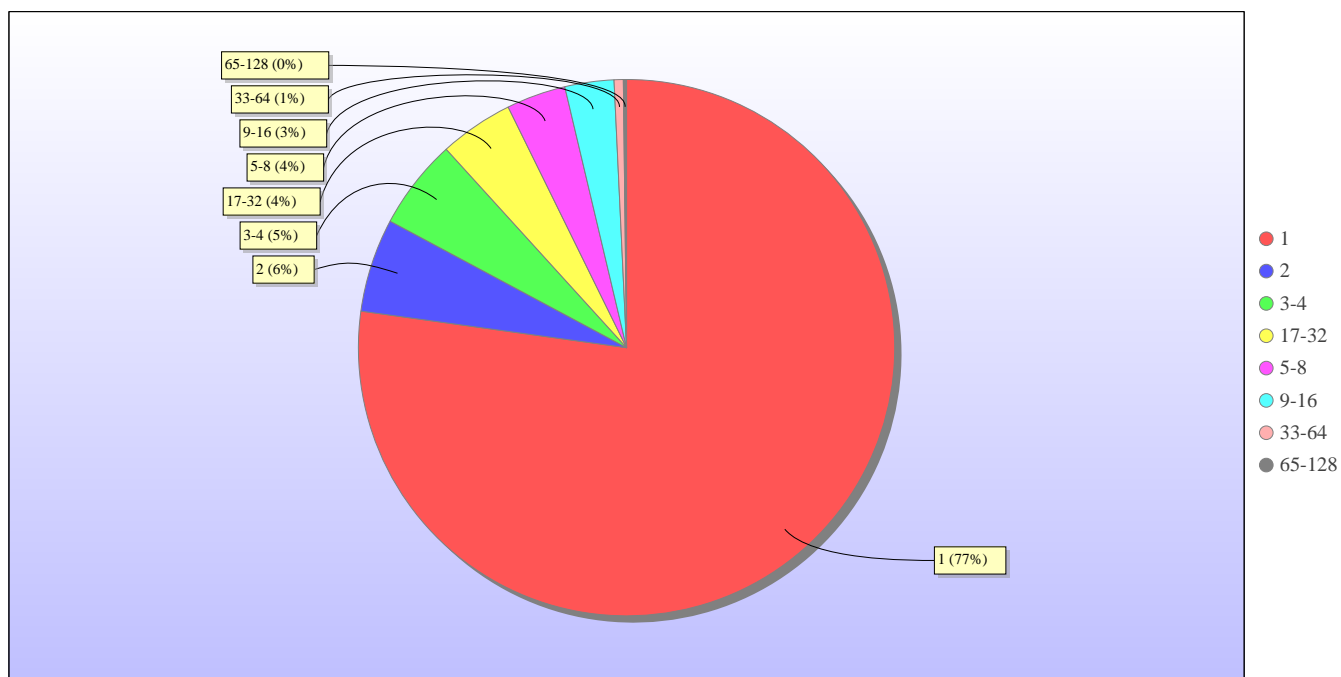
Percentage load on machine



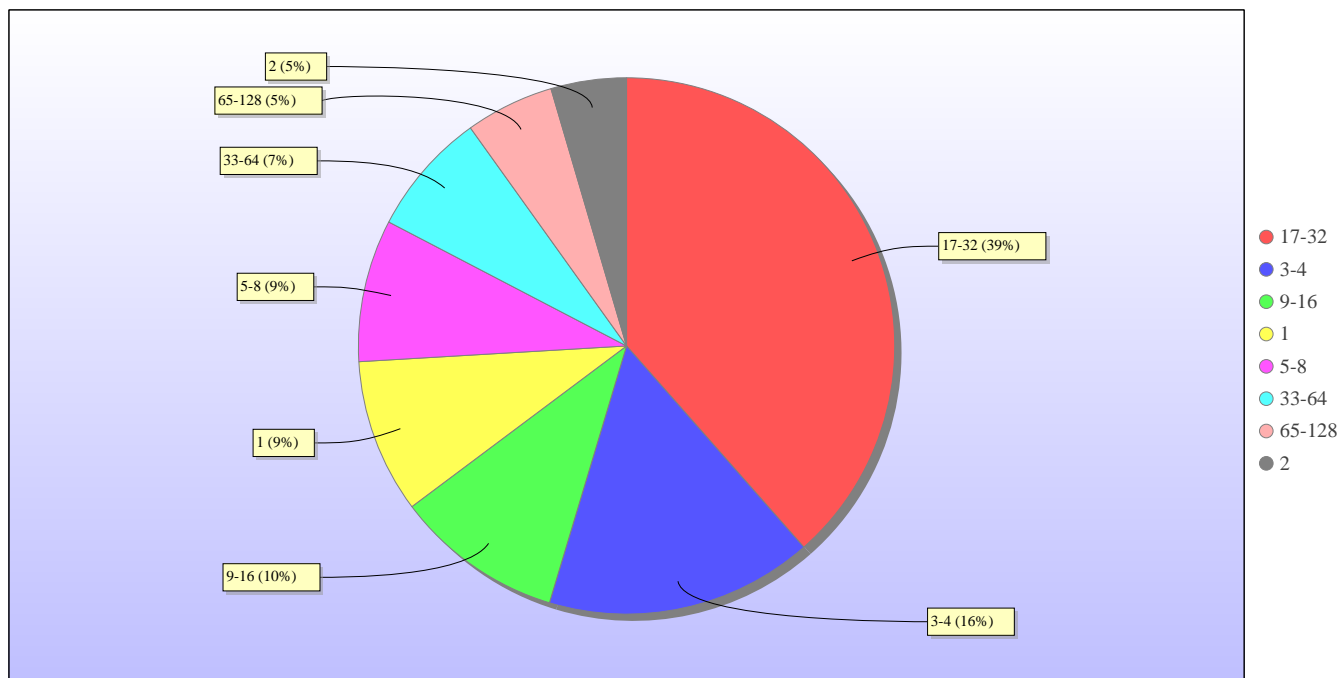
Jobs by Size



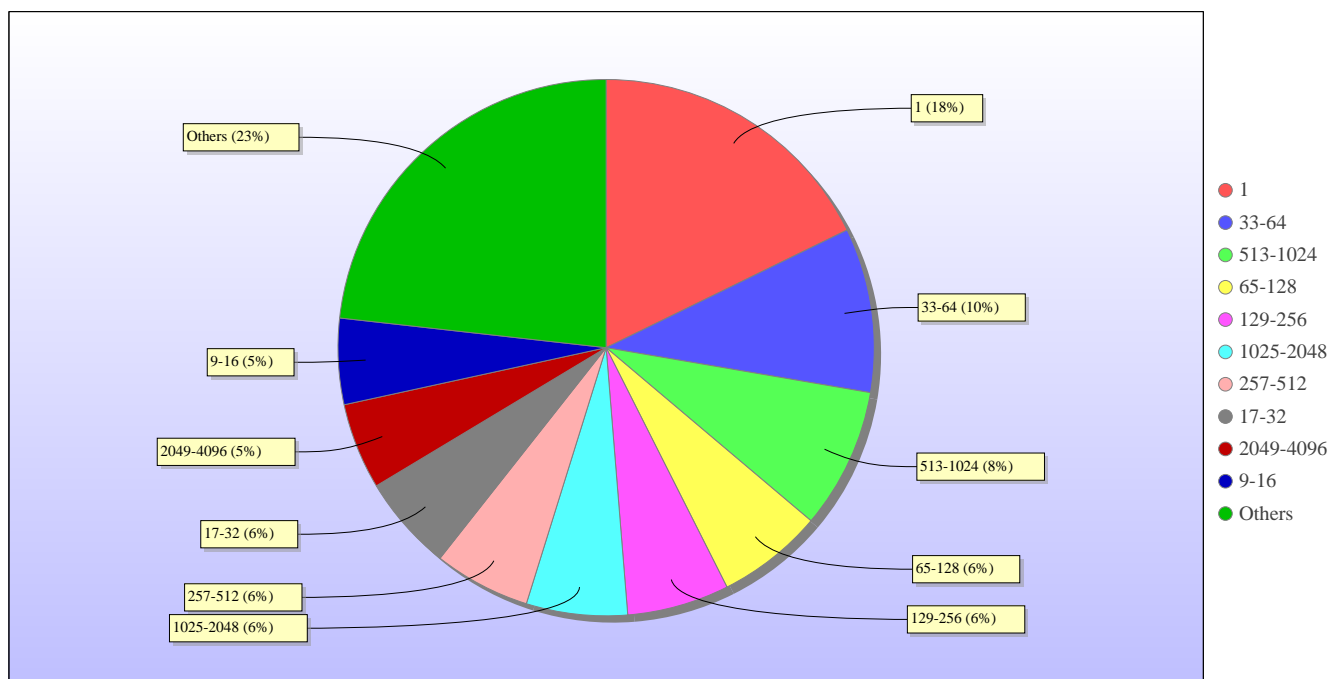
CUs used by Size



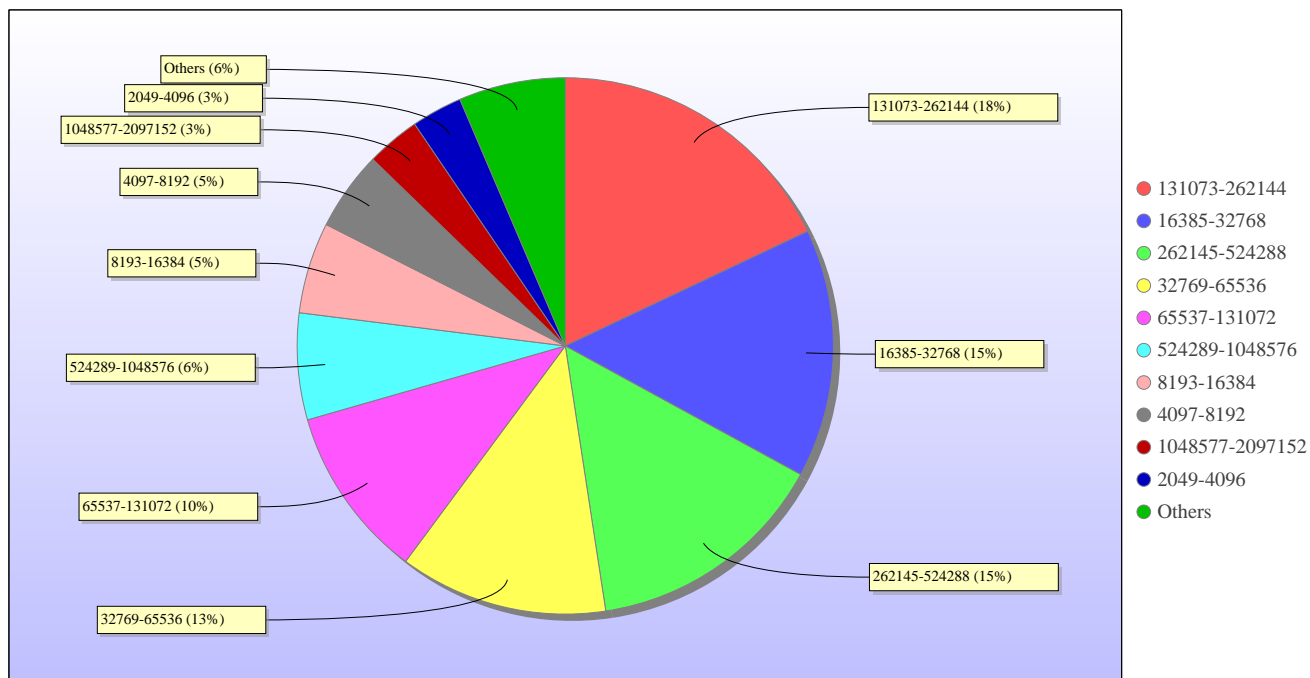
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

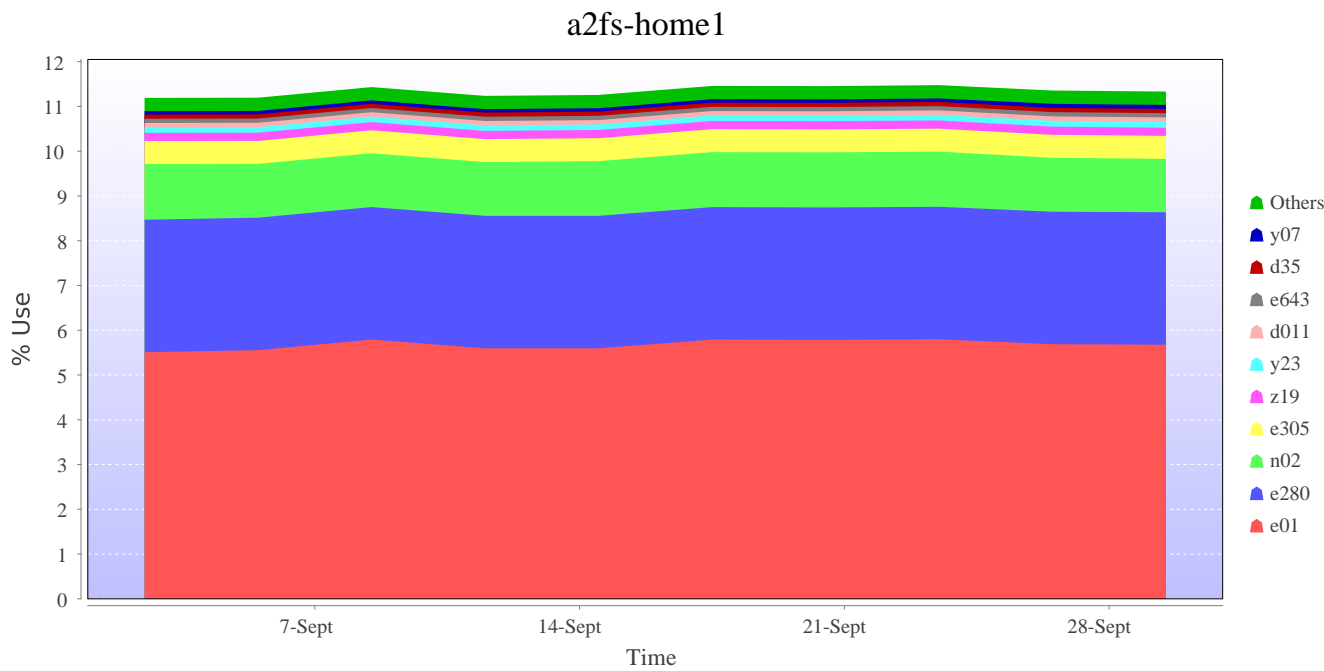


CUs used grouped by core-hours

Disk usage

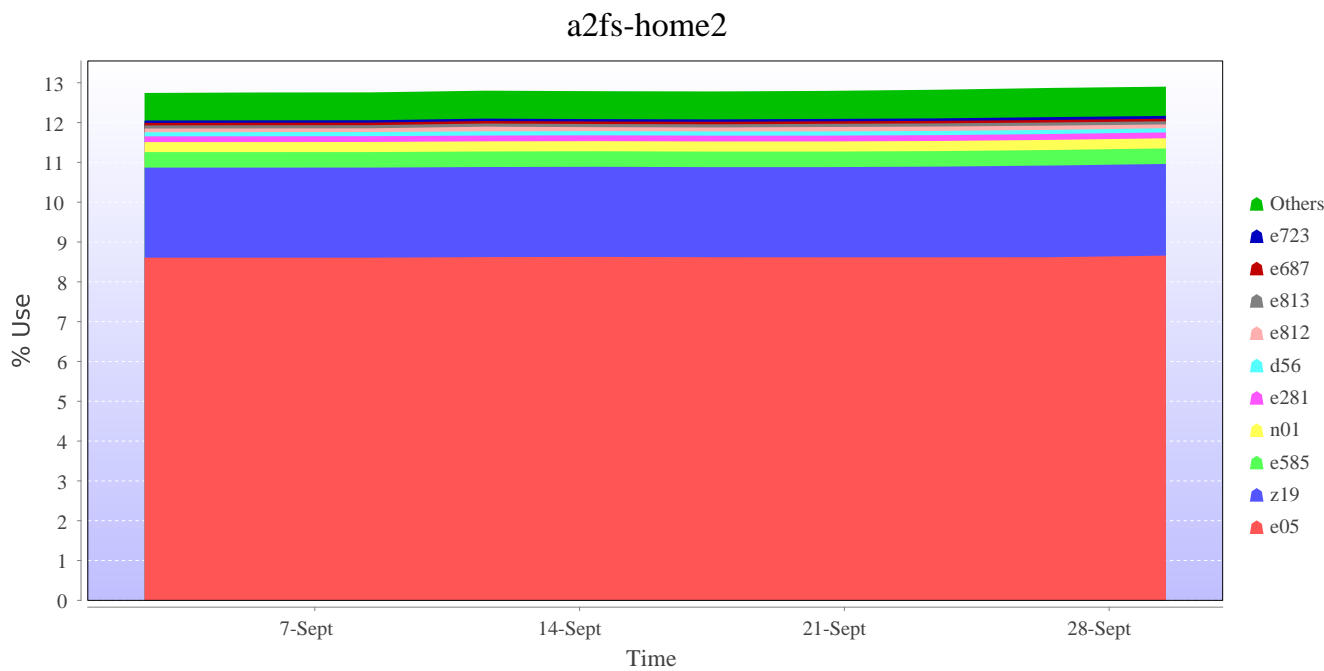
Disk usage for home (a2fs-home1)

This is a plot of Disk Use on a2fs-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.



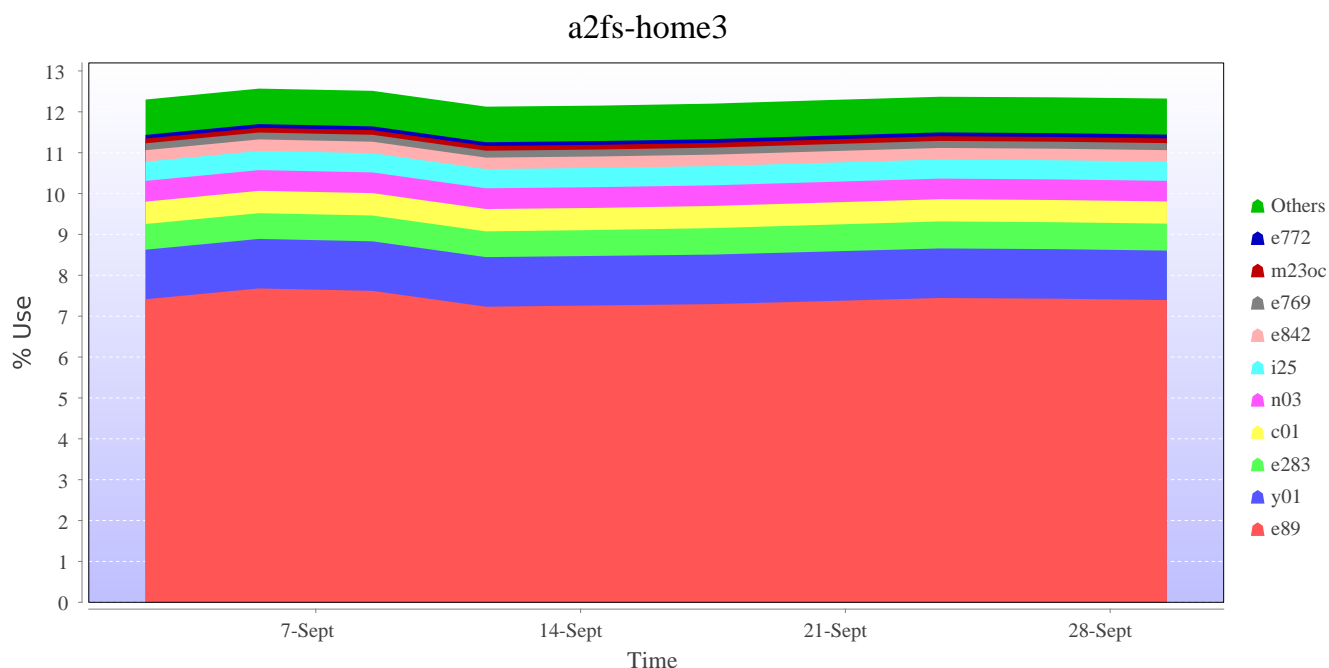
Disk usage for home (a2fs-home2)

This is a plot of Disk Use on a2fs-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.



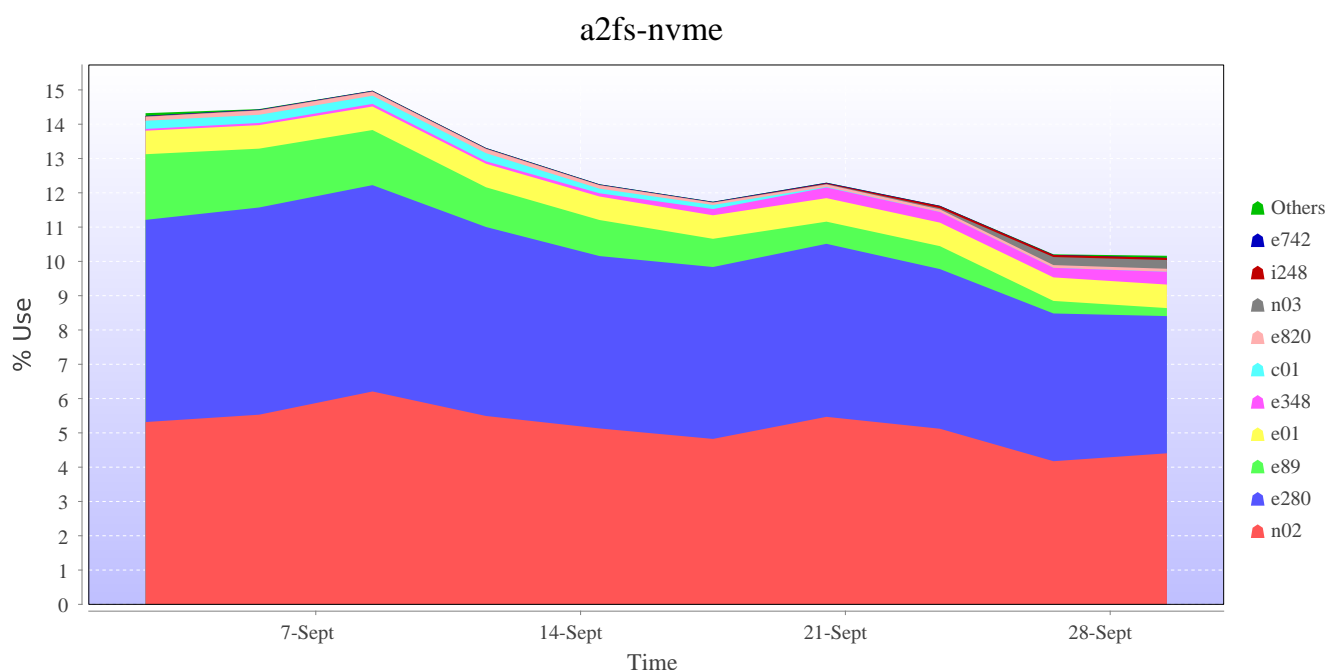
Disk usage for home (a2fs-home3)

This is a plot of Disk Use on a2fs-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.



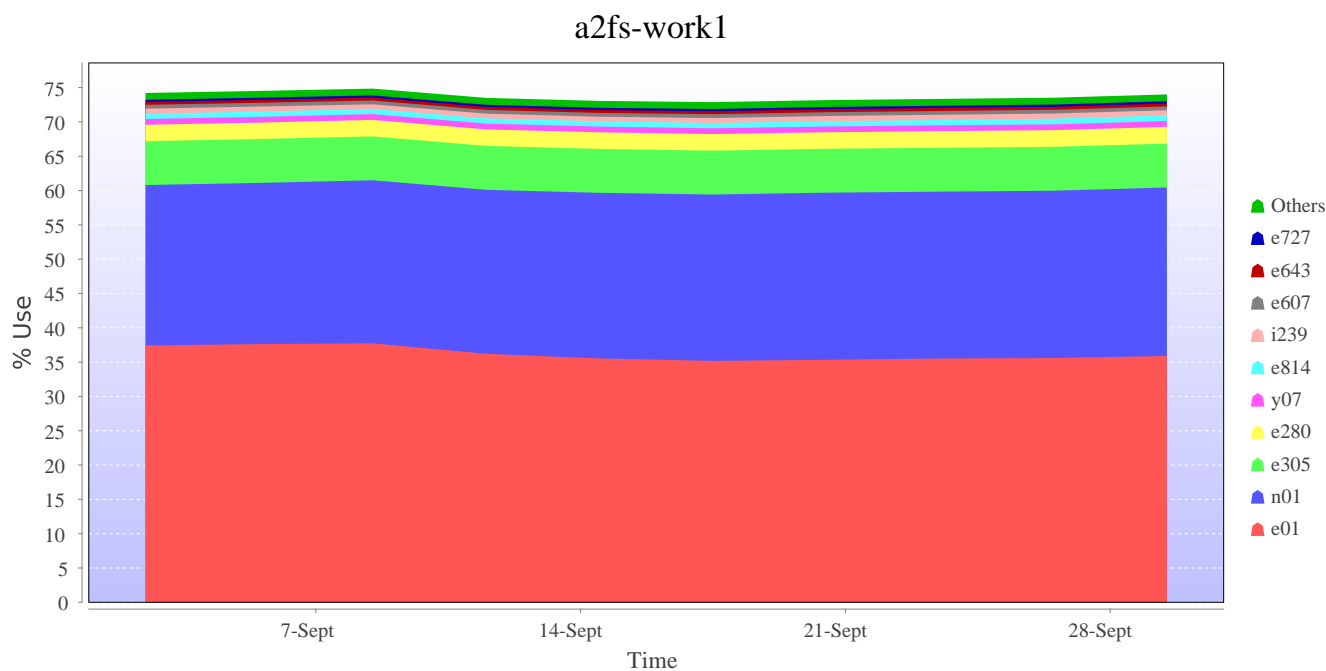
Disk usage for scratch (a2fs-nvme)

This is a plot of Disk Use on a2fs-nvme 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.



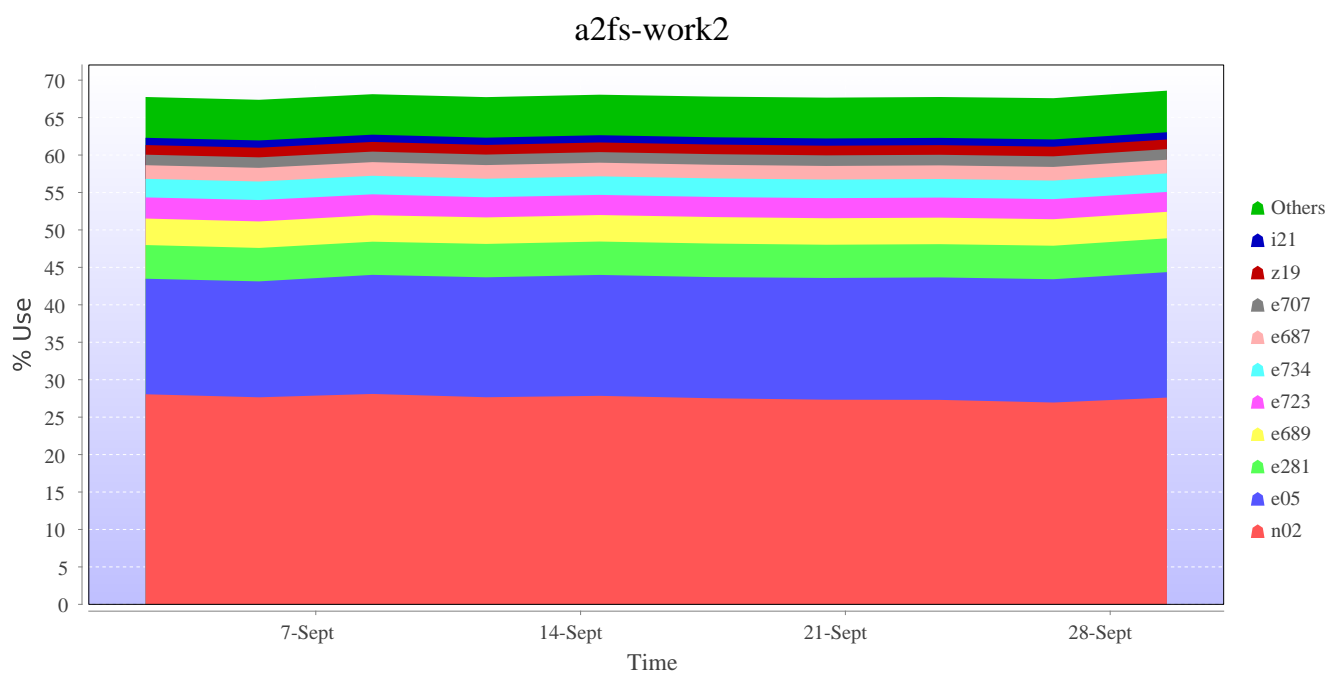
Disk usage for work (a2fs-work1)

This is a plot of Disk Use on a2fs-work1 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.



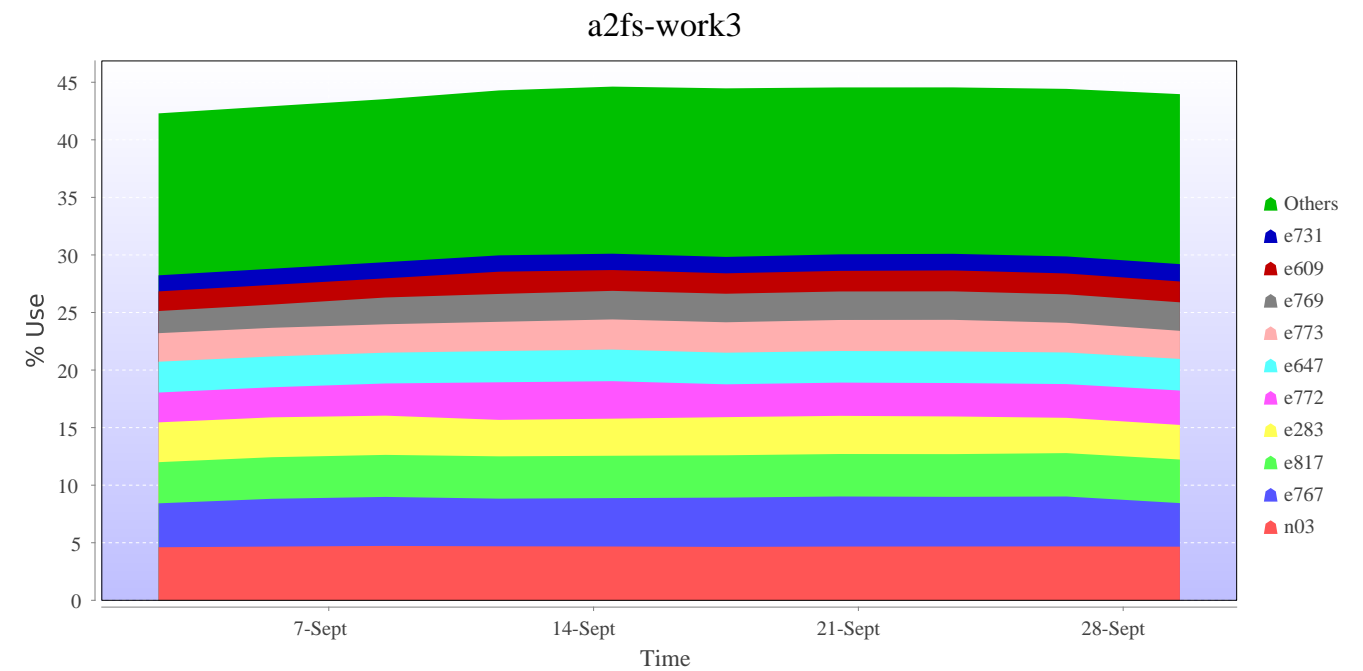
Disk usage for work (a2fs-work2)

This is a plot of Disk Use on a2fs-work2 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.



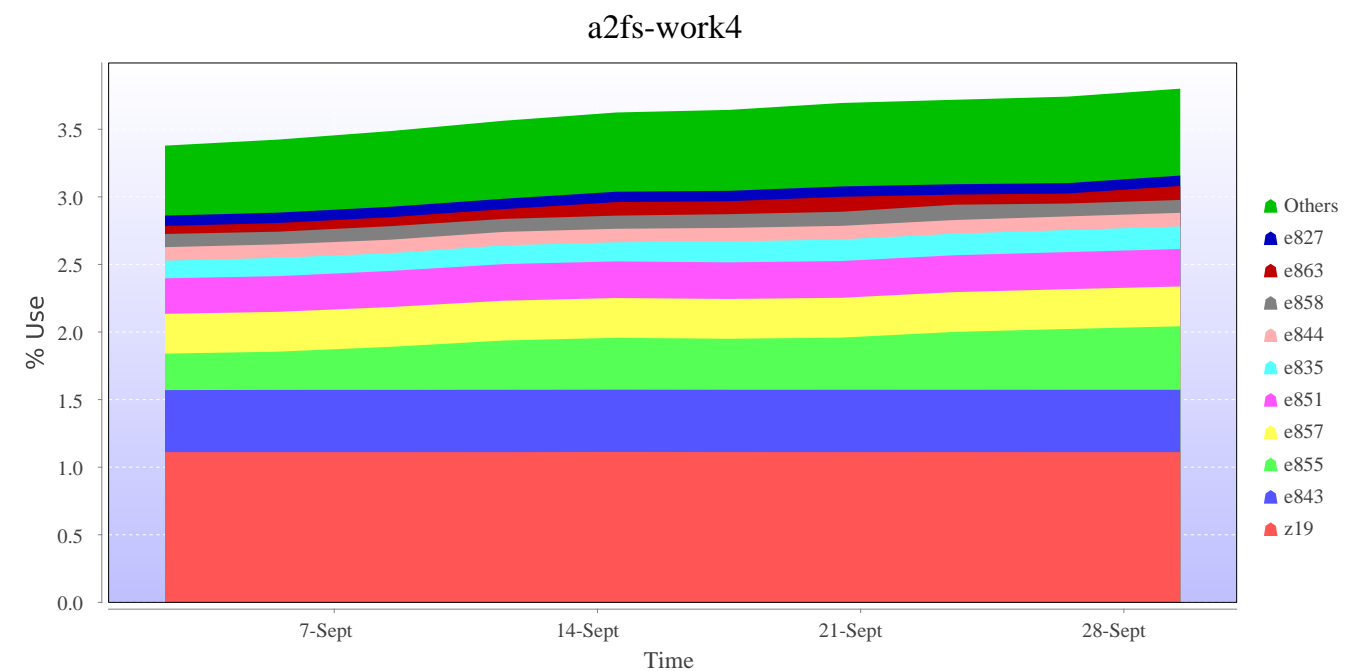
Disk usage for work (a2fs-work3)

This is a plot of Disk Use on a2fs-work3 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.



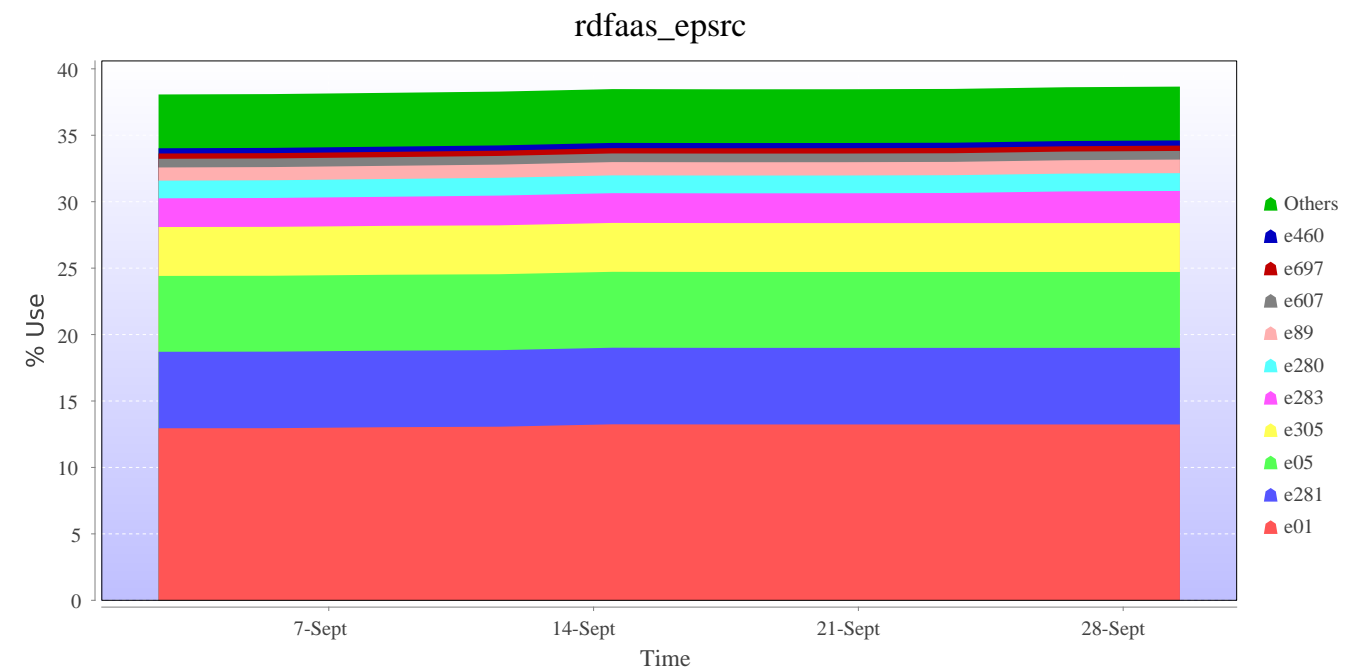
Disk usage for work (a2fs-work4)

This is a plot of Disk Use on a2fs-work4 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 epsrc (rdfaas_epsrc)

This is a plot of Disk Use on rdfaas_epsrc 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 general (rdfaas_general)

This is a plot of Disk Use on rdfaas_general 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.

