

Monthly Reporting

Report from 01 May 2023 to 19 May 2023

Report for Resource Pool Archer2 on archer2

A total of 2,666,688 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.

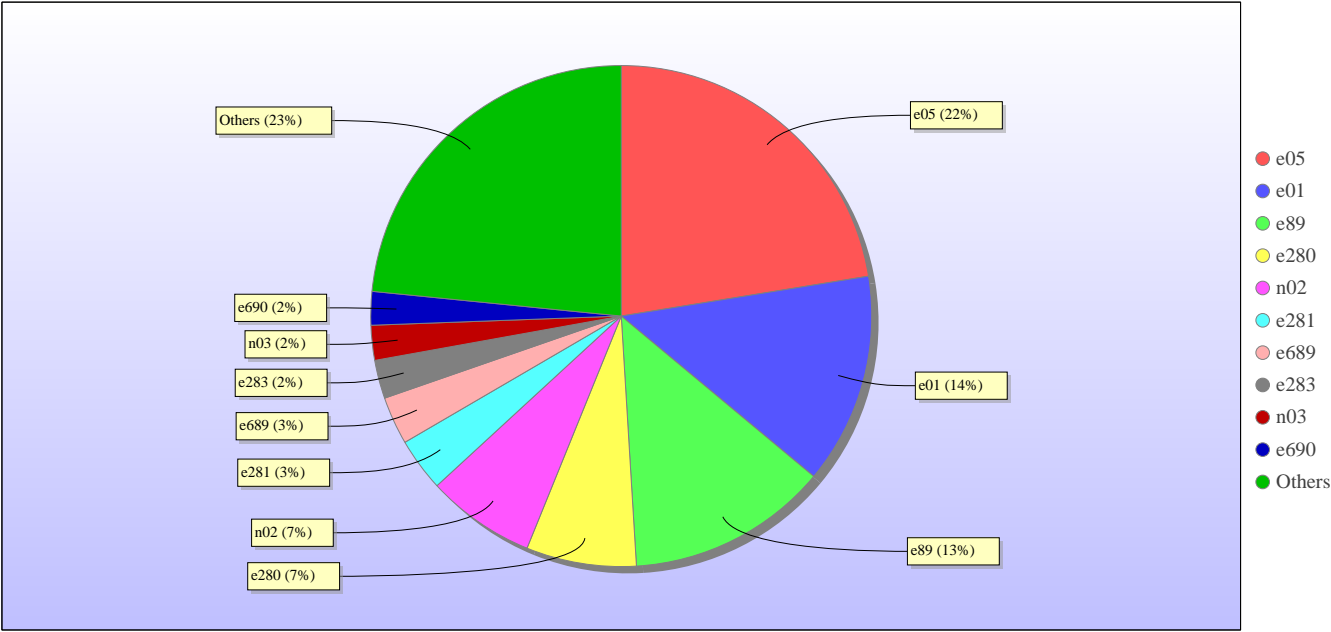
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e572	Leadership Awards	1,329	1,519.5	0.06%	1,519.5	0.06%	1,110.0	0.04%
e645	Leadership Awards	4,931	3,158.4	0.12%	3,158.4	0.12%	10,957.0	0.41%
e684	Leadership Awards	0	0.0	0.00%	0.0	0.00%	497.2	0.02%
e786	Leadership Awards	5	62.8	0.00%	62.8	0.00%	4,946.1	0.19%
e787	Leadership Awards	0	0.0	0.00%	0.0	0.00%	817.9	0.03%
e683	Pioneer Projects	374	5,308.1	0.20%	5,308.1	0.20%	7,458.1	0.28%
e685	Pioneer Projects	38	0.0	0.00%	12,101.8	0.45%	661.9	0.02%
e686	Pioneer Projects	1,355	6,233.2	0.23%	26,144.7	0.98%	9,860.4	0.37%
e687	Pioneer Projects	371	21,470.2	0.81%	21,470.2	0.81%	11,689.1	0.44%
e688	Pioneer Projects	265	24,523.6	0.92%	24,539.2	0.92%	17,816.0	0.67%
e689	Pioneer Projects	16	74,345.7	2.79%	77,948.7	2.92%	12,370.4	0.46%
e690	Pioneer Projects	323	54,480.4	2.04%	54,486.2	2.04%	13,446.0	0.50%
e691	Pioneer Projects	80	3,519.6	0.13%	3,519.6	0.13%	13,708.5	0.51%
e692	Pioneer Projects	17	32,820.9	1.23%	35,781.0	1.34%	12,788.1	0.48%
c01	Class1a	572	2,845.8	0.11%	2,987.6	0.11%	15,070.7	0.57%
e348	Class1a	336	1,586.5	0.06%	1,586.5	0.06%	7,511.9	0.28%
e575	Class1a	214	2,216.3	0.08%	2,216.3	0.08%	1,420.8	0.05%
e607	Class1a	301	11,584.4	0.43%	34,337.3	1.29%	5,220.4	0.20%
e609	Class1a	991	9,101.2	0.34%	18,004.2	0.68%	10,143.7	0.38%
e647	Class1a	307	16,029.0	0.60%	16,061.4	0.60%	20,471.2	0.77%
e649	Class1a	6	0.0	0.00%	28.5	0.00%	515.3	0.02%
e663	Class1a	444	4,157.5	0.16%	4,157.5	0.16%	1,614.5	0.06%
e664	Class1a	0	0.0	0.00%	0.0	0.00%	426.8	0.02%
e667	Class1a	31	1,564.1	0.06%	1,564.1	0.06%	1,094.7	0.04%
e694	Class1a	0	0.0	0.00%	0.0	0.00%	1,507.5	0.06%
e696	Class1a	59	270.3	0.01%	842.7	0.03%	238.1	0.01%
e697	Class1a	34	10,317.6	0.39%	18,279.7	0.69%	4,668.7	0.18%
e700	Class1a	18	816.4	0.03%	816.4	0.03%	1,479.1	0.06%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e701	Class1a	0	0.0	0.00%	0.0	0.00%	1,045.0	0.04%
e705	Class1a	36	2,713.7	0.10%	2,713.7	0.10%	1,830.8	0.07%
e707	Class1a	0	0.0	0.00%	0.0	0.00%	10,768.7	0.40%
e708	Class1a	0	0.0	0.00%	0.0	0.00%	1,065.6	0.04%
e710	Class1a	165	819.1	0.03%	819.1	0.03%	2,063.3	0.08%
e712	Class1a	0	0.0	0.00%	0.0	0.00%	6,194.2	0.23%
e720	Class1a	113	7,032.0	0.26%	7,318.9	0.27%	12,008.8	0.45%
e721	Class1a	0	0.0	0.00%	0.0	0.00%	1,464.7	0.05%
e728	Class1a	23	309.1	0.01%	309.1	0.01%	1,261.2	0.05%
e751	Class1a	95	5,547.6	0.21%	5,547.6	0.21%	2,687.4	0.10%
e752	Class1a	0	0.0	0.00%	0.0	0.00%	1,864.1	0.07%
e758	Class1a	38	12,529.4	0.47%	12,529.4	0.47%	2,373.6	0.09%
e761	Class1a	39	0.0	0.00%	13,203.4	0.50%	782.0	0.03%
e763	Class1a	0	0.0	0.00%	0.0	0.00%	89.6	0.00%
e764	Class1a	26	1,855.8	0.07%	1,855.8	0.07%	10,461.3	0.39%
e769	Class1a	60	5,145.4	0.19%	23,747.3	0.89%	15,662.9	0.59%
e793	Class1a	0	0.0	0.00%	0.0	0.00%	7.8	0.00%
e6337	Class1a	0	0.0	0.00%	0.0	0.00%	854.4	0.03%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	532.8	0.02%
e01	Consortia	3,441	271,715.9	10.19%	342,861.3	12.86%	183,780.5	6.89%
e05	Consortia	21,863	359,307.4	13.47%	566,131.5	21.23%	414,586.2	15.55%
e89	Consortia	15,692	305,319.1	11.45%	327,294.8	12.27%	233,302.3	8.75%
e280	Consortia	3,573	139,475.7	5.23%	179,193.4	6.72%	112,050.3	4.20%
e281	Consortia	2,235	83,182.4	3.12%	86,602.9	3.25%	54,021.6	2.03%
e283	Consortia	2,818	62,032.9	2.33%	62,509.1	2.34%	26,892.1	1.01%
e585	Consortia	95	0.0	0.00%	3,829.9	0.14%	0.1	0.00%
e772	Consortia	3,556	33,032.7	1.24%	33,053.4	1.24%	31,119.2	1.17%
e773	Consortia	95	1,567.9	0.06%	1,610.2	0.06%	6,143.8	0.23%
e766	Pump Priming	8	912.3	0.03%	1,164.9	0.04%	245.2	0.01%
e768	Pump Priming	0	0.0	0.00%	0.0	0.00%	287.4	0.01%
e771	Pump Priming	0	0.0	0.00%	0.0	0.00%	56.3	0.00%
e784	Pump Priming	9	1.6	0.00%	1.6	0.00%	352.8	0.01%
e785	Pump Priming	205	315.8	0.01%	315.8	0.01%	329.4	0.01%
e788	Pump Priming	34	7.4	0.00%	7.4	0.00%	318.0	0.01%
e789	Pump Priming	7	1,039.5	0.04%	1,807.6	0.07%	635.1	0.02%
e790	Pump Priming	4	50.9	0.00%	50.9	0.00%	351.8	0.01%
e791	Pump Priming	14	2,366.5	0.09%	2,366.5	0.09%	333.3	0.01%
e792	Pump Priming	0	0.0	0.00%	0.0	0.00%	333.3	0.01%
e507	Access to HPC	89	10,374.5	0.39%	10,374.5	0.39%	2,457.3	0.09%
e673	Access to HPC	109	4,063.3	0.15%	10,393.1	0.39%	1,792.8	0.07%
e677	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,904.7	0.11%
e703	Access to HPC	20	3,811.5	0.14%	3,811.5	0.14%	1,910.5	0.07%
e734	Access to HPC	237	2,502.1	0.09%	2,502.1	0.09%	4,482.0	0.17%
e742	Access to HPC	102	1,821.4	0.07%	1,821.4	0.07%	1,120.5	0.04%
e743	Access to HPC	268	3,393.1	0.13%	3,393.1	0.13%	7,101.4	0.27%
e745	Access to HPC	0	0.0	0.00%	0.0	0.00%	197.5	0.01%
e747	Access to HPC	7	40.8	0.00%	40.8	0.00%	31,539.1	1.18%
e748	Access to HPC	60	18,037.4	0.68%	18,037.4	0.68%	13,320.4	0.50%
e755	Access to HPC	22	4,582.0	0.17%	4,582.0	0.17%	3,958.5	0.15%
e774	Access to HPC	397	9,990.3	0.37%	9,990.3	0.37%	5,178.2	0.19%
e775	Access to HPC	2	3,197.4	0.12%	3,197.4	0.12%	8,334.9	0.31%
e776	Access to HPC	25	1,917.2	0.07%	1,917.2	0.07%	3,083.9	0.12%
e777	Access to HPC	6	13,034.0	0.49%	42,852.4	1.61%	3,750.7	0.14%
e778	Access to HPC	116	866.1	0.03%	866.1	0.03%	4,434.1	0.17%
e779	Access to HPC	16	192.0	0.01%	192.0	0.01%	416.7	0.02%
e780	Access to HPC	81	23,216.5	0.87%	23,255.3	0.87%	3,333.9	0.13%
e781	Access to HPC	0	0.0	0.00%	0.0	0.00%	833.5	0.03%
e782	Access to HPC	0	0.0	0.00%	0.0	0.00%	487.5	0.02%
e783	Access to HPC	163	953.2	0.04%	953.2	0.04%	3,077.4	0.12%
EPSRC Total		68,381	1,686,204.3	63.23%	2,181,947.3	81.82%	1,431,383.0	53.68%
n01	Consortia	792	19,564.2	0.73%	19,623.2	0.74%	63,229.5	2.37%
n02	Consortia	27,731	170,566.9	6.40%	176,980.8	6.64%	263,248.6	9.87%
n03	Consortia	2,046	56,622.2	2.12%	56,706.6	2.13%	44,125.7	1.65%

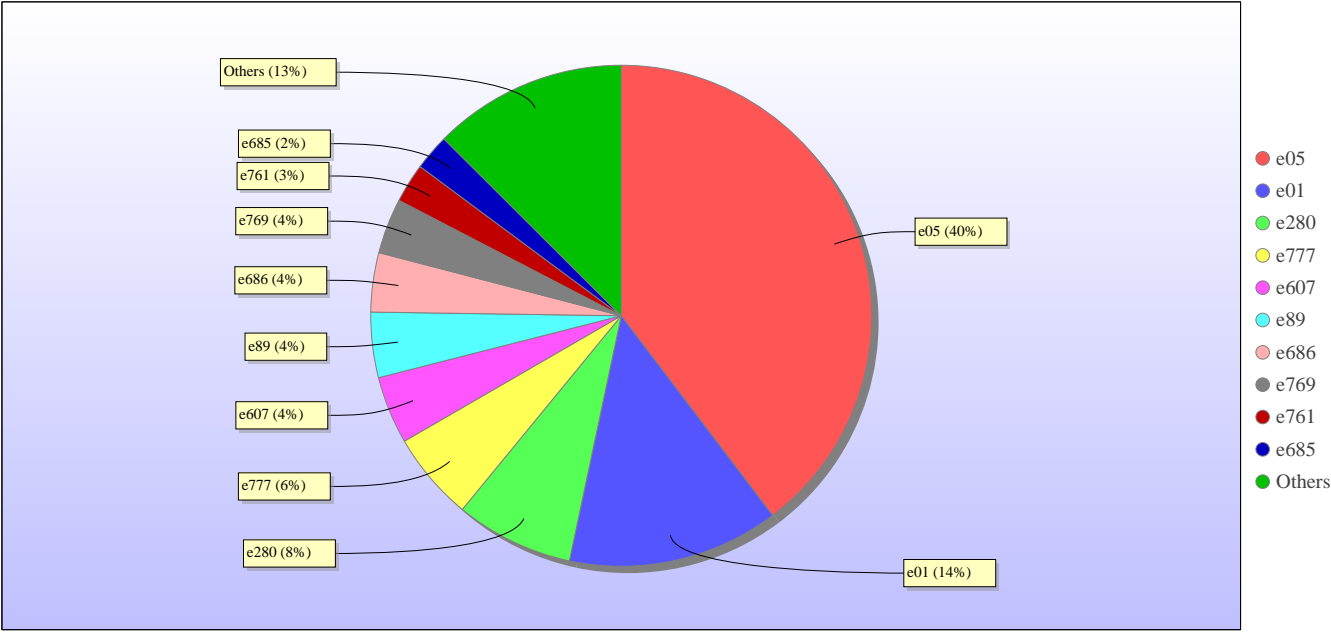
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n09	Pump Priming	0	0.0	0.00%	0.0	0.00%	331.9	0.01%
NERC Total		30,569	246,753.3	9.25%	253,310.6	9.50%	370,935.8	13.91%
b19	Class1a	177	5,154.6	0.19%	5,154.6	0.19%	1,425.5	0.05%
BBSRC Total		177	5,154.6	0.19%	5,154.6	0.19%	1,425.5	0.05%
e756	Leadership Awards	109	208.0	0.01%	208.0	0.01%	5,563.9	0.21%
e760	Leadership Awards	74	197.6	0.01%	197.6	0.01%	265.2	0.01%
e723	Class1a	458	37,662.2	1.41%	37,663.1	1.41%	24,364.2	0.91%
e738	Class1a	0	0.0	0.00%	0.0	0.00%	9,225.2	0.35%
UKRI Total		641	38,067.8	1.43%	38,068.7	1.43%	39,418.4	1.48%
pr1u1555	DECI: EXEC	15	32.4	0.00%	32.4	0.00%	171.0	0.01%
pr1ush02	DECI: HOME	18	540.6	0.02%	540.6	0.02%	1,229.5	0.05%
PRACE Total		33	573.0	0.02%	573.0	0.02%	1,400.6	0.05%
ecseaa26	eCSE	0	0.0	0.00%	0.0	0.00%	225.9	0.01%
ecseab03	eCSE	0	0.0	0.00%	0.0	0.00%	29.5	0.00%
ecseac14	eCSE	48	10.0	0.00%	10.0	0.00%	40.1	0.00%
ecseac15	eCSE	43	3.5	0.00%	3.5	0.00%	82.2	0.00%
ecsead08	eCSE	20	0.7	0.00%	2,053.4	0.08%	52.6	0.00%
ecseae03	eCSE	33	7.0	0.00%	97.4	0.00%	38.3	0.00%
ecseae04	eCSE	0	0.0	0.00%	0.0	0.00%	73.3	0.00%
ecseae08	eCSE	0	0.0	0.00%	0.0	0.00%	73.1	0.00%
ecseaf01	eCSE	0	0.0	0.00%	0.0	0.00%	50.9	0.00%
ecseaf02	eCSE	0	0.0	0.00%	0.0	0.00%	32.3	0.00%
ecseaf03	eCSE	65	14.1	0.00%	32.2	0.00%	31.1	0.00%
ecseaf04	eCSE	0	0.0	0.00%	0.0	0.00%	39.9	0.00%
ecseaf06	eCSE	0	0.0	0.00%	0.0	0.00%	61.8	0.00%
ecseag02	eCSE	0	0.0	0.00%	0.0	0.00%	53.4	0.00%
ecseag03	eCSE	0	0.0	0.00%	0.0	0.00%	38.6	0.00%
ecseag06	eCSE	5	0.3	0.00%	0.3	0.00%	26.4	0.00%
ecseag08	eCSE	0	0.0	0.00%	0.0	0.00%	35.8	0.00%
ecseag09	eCSE	0	0.0	0.00%	0.0	0.00%	38.4	0.00%
ecseah03	eCSE	0	0.0	0.00%	0.0	0.00%	73.8	0.00%
ecseah05	eCSE	0	0.0	0.00%	0.0	0.00%	33.3	0.00%
ecseah06	eCSE	0	0.0	0.00%	0.0	0.00%	67.2	0.00%
ecseah10	eCSE	0	0.0	0.00%	0.0	0.00%	65.9	0.00%
ecseah11	eCSE	0	0.0	0.00%	0.0	0.00%	44.8	0.00%
ecseah12	eCSE	0	0.0	0.00%	0.0	0.00%	58.8	0.00%
eCSE Total		214	35.7	0.00%	2,196.8	0.08%	1,367.3	0.05%
d35	Research	71	460.5	0.02%	460.5	0.02%	260.3	0.01%
d011	Research	77	8.4	0.00%	8.4	0.00%	107.6	0.00%
d114	Research	0	0.0	0.00%	0.0	0.00%	3,203.2	0.12%
d137	Research	6	4.9	0.00%	6.5	0.00%	1,033.4	0.04%
d142	Research	0	0.0	0.00%	0.0	0.00%	3,125.0	0.12%
d170	Research	0	0.0	0.00%	0.0	0.00%	31.5	0.00%
d175	Research	0	0.0	0.00%	0.0	0.00%	866.7	0.03%
d193	Research	33	13.4	0.00%	13.4	0.00%	208.2	0.01%
d435	Research	341	1,082.7	0.04%	3,251.5	0.12%	260.3	0.01%
d436	Research	5	0.1	0.00%	0.1	0.00%	208.2	0.01%
dc129	Research	995	846.6	0.03%	846.6	0.03%	2,099.9	0.08%
d105	Industrial	0	0.0	0.00%	0.0	0.00%	2,099.9	0.08%
d190	Industrial	0	0.0	0.00%	0.0	0.00%	1,041.1	0.04%
d433	Industrial	0	0.0	0.00%	0.0	0.00%	52.5	0.00%
d434	Industrial	0	0.0	0.00%	0.0	0.00%	9.6	0.00%
i01	Industrial	16	9.3	0.00%	9.3	0.00%	437.7	0.02%
i18	Industrial	100	5,685.7	0.21%	5,687.7	0.21%	1,441.0	0.05%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	10,499.7	0.39%
i24	Industrial	0	0.0	0.00%	0.0	0.00%	21.0	0.00%
i25	Industrial	0	0.0	0.00%	0.0	0.00%	52.5	0.00%
i26	Industrial	73	44.9	0.00%	44.9	0.00%	262.5	0.01%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	315.0	0.01%
i239	Industrial	0	0.0	0.00%	0.0	0.00%	512.7	0.02%
i241	Industrial	28	4,944.7	0.19%	5,094.7	0.19%	1,439.1	0.05%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
i242	Industrial	39	14.9	0.00%	14.9	0.00%	347.6	0.01%
i243	Industrial	0	0.0	0.00%	0.0	0.00%	148.1	0.01%
i244	Industrial	0	0.0	0.00%	0.0	0.00%	1,196.5	0.04%
m22oc	Training	55	0.4	0.00%	0.4	0.00%	240.5	0.01%
m22ol	Training	0	0.0	0.00%	0.0	0.00%	240.5	0.01%
m22ext	Training	0	0.0	0.00%	0.0	0.00%	96.2	0.00%
mdisspt	Training	0	0.0	0.00%	0.0	0.00%	91.1	0.00%
m22exts1	Training	0	0.0	0.00%	0.0	0.00%	48.1	0.00%
ta067	Training	5	0.1	0.00%	0.1	0.00%	11.7	0.00%
ta068	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta069	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta070	Training	1	4.4	0.00%	4.4	0.00%	373.8	0.01%
ta084	Training	0	0.0	0.00%	0.0	0.00%	468.1	0.02%
ta085	Training	0	0.0	0.00%	0.0	0.00%	23.4	0.00%
ta086	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta087	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta093	Training	80	0.9	0.00%	7,890.9	0.30%	458.9	0.02%
ta094	Training	2,757	740.0	0.03%	7,375.9	0.28%	1,563.9	0.06%
ta095	Training	0	0.0	0.00%	0.0	0.00%	39.1	0.00%
ta096	Training	16	1.6	0.00%	1.6	0.00%	39.1	0.00%
ta097	Training	0	0.0	0.00%	0.0	0.00%	39.1	0.00%
ta105	Training	0	0.0	0.00%	0.0	0.00%	22.3	0.00%
ta106	Training	0	0.0	0.00%	0.0	0.00%	44.6	0.00%
ta107	Training	0	0.0	0.00%	0.0	0.00%	146.2	0.01%
ta108	Training	0	0.0	0.00%	0.0	0.00%	123.9	0.00%
ta109	Training	0	0.0	0.00%	0.0	0.00%	310.8	0.01%
ta110	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta111	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta112	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
d191	Service	0	0.0	0.00%	0.0	0.00%	2.6	0.00%
y01	Service	0	0.0	0.00%	0.0	0.00%	45.9	0.00%
y02	Service	29	0.5	0.00%	4.7	0.00%	2,602.7	0.10%
y07	Service	0	0.0	0.00%	0.0	0.00%	50.8	0.00%
y23	Service	0	0.0	0.00%	0.0	0.00%	52.1	0.00%
z01	Service	1	0.0	0.00%	0.0	0.00%	5.1	0.00%
z02	Service	0	0.0	0.00%	0.0	0.00%	5.2	0.00%
z19	Service	667	9,323.7	0.35%	9,341.0	0.35%	51,912.6	1.95%
z40	Service	0	0.0	0.00%	0.0	0.00%	103.2	0.00%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.5	0.00%
DirectorsTime Total		5,395	23,187.9	0.87%	40,057.5	1.50%	90,524.6	3.39%
Total		105,410	1,999,976.5	75.00%	2,521,308.5	94.55%	1,936,455.3	72.62%

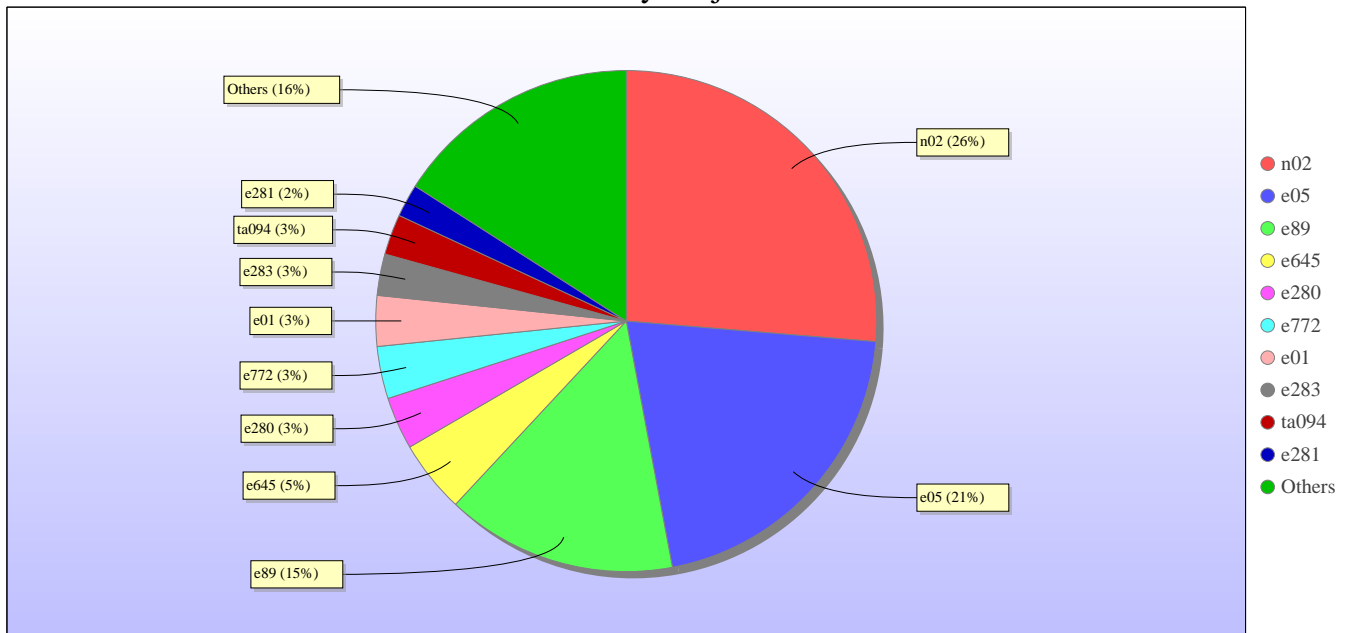
Use by Project



Uncharged Use by Project



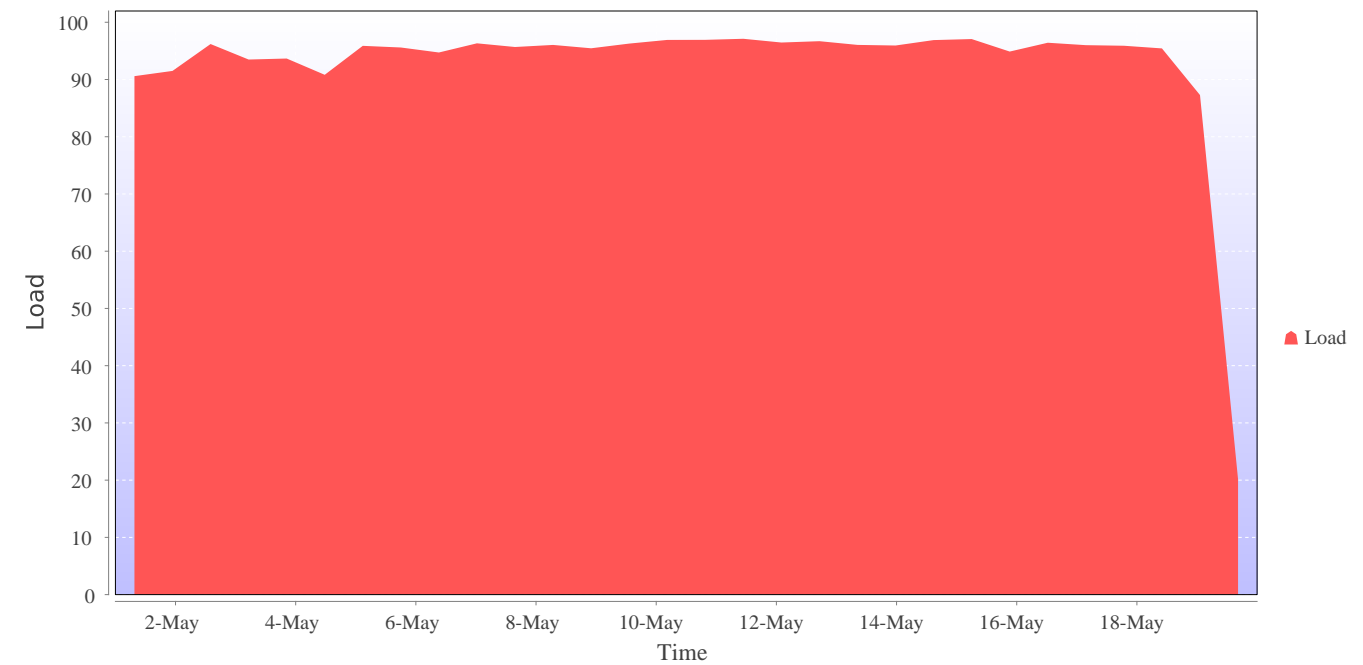
Jobs by Project



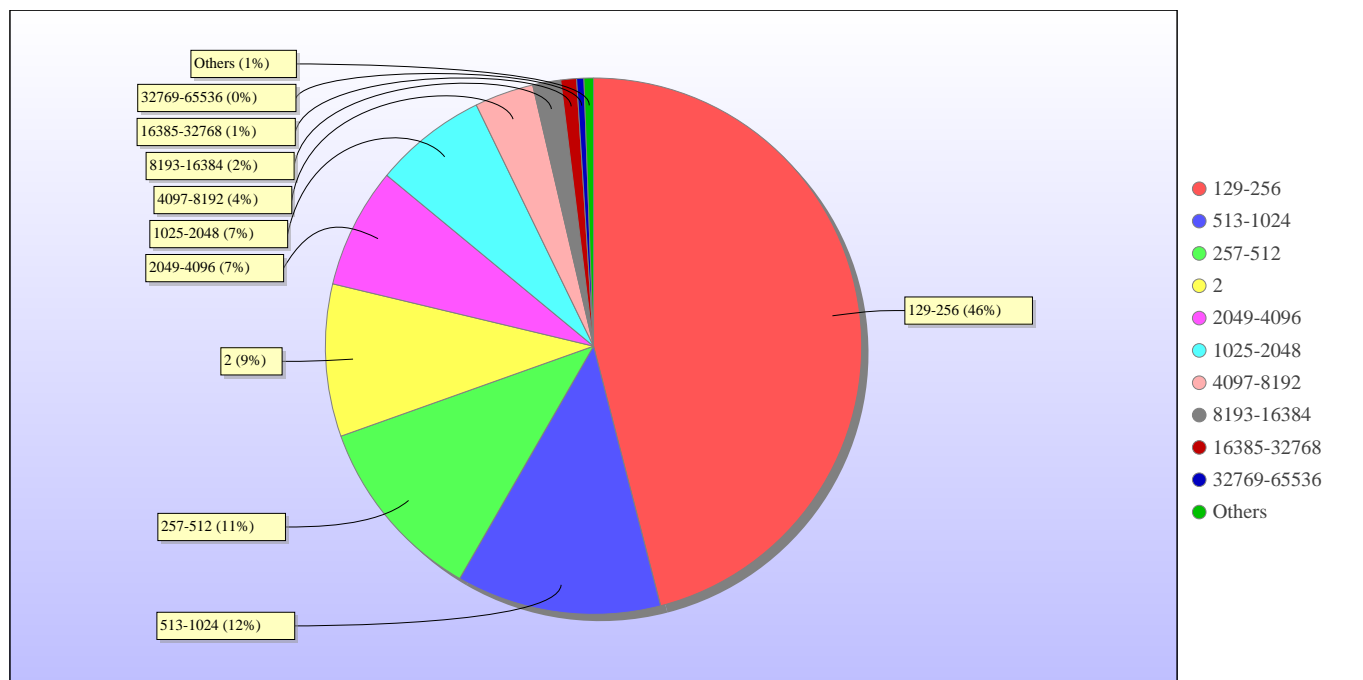
CUs (by Size)

Size	CUs	Number of Jobs
2	0	9,680
3-4	0	67
5-8	0	191
9-16	0	37
17-32	0	100
129-256	88,013.63	48,463
257-512	93,180.627	11,842
513-1024	165,818.032	13,010
1025-2048	249,647.226	7,176
2049-4096	254,935.953	7,649
4097-8192	361,609.857	3,751
8193-16384	347,090.886	1,779
16385-32768	174,428.143	1,000
32769-65536	174,616.481	459
65537-131072	58,017.38	123
131073-262144	29,365.435	76
262145-524288	3,252.867	6
1048577-2097152	0	1

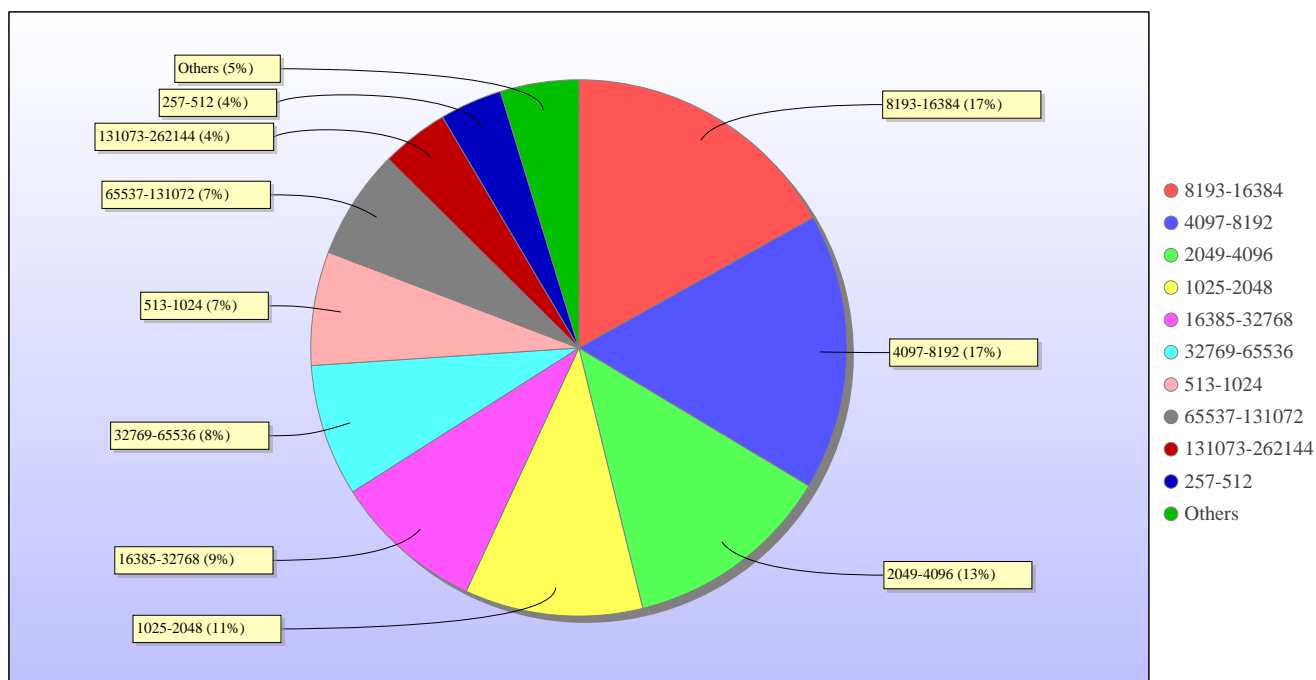
Load plots



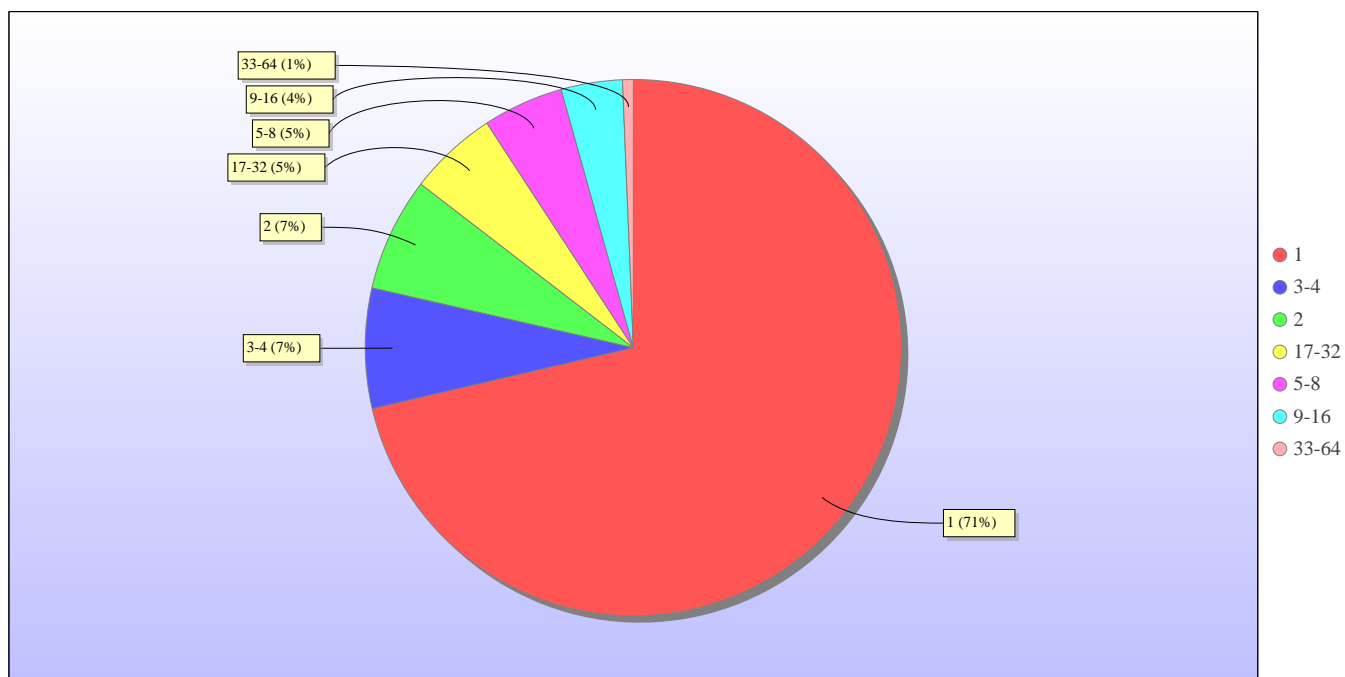
Percentage load on machine



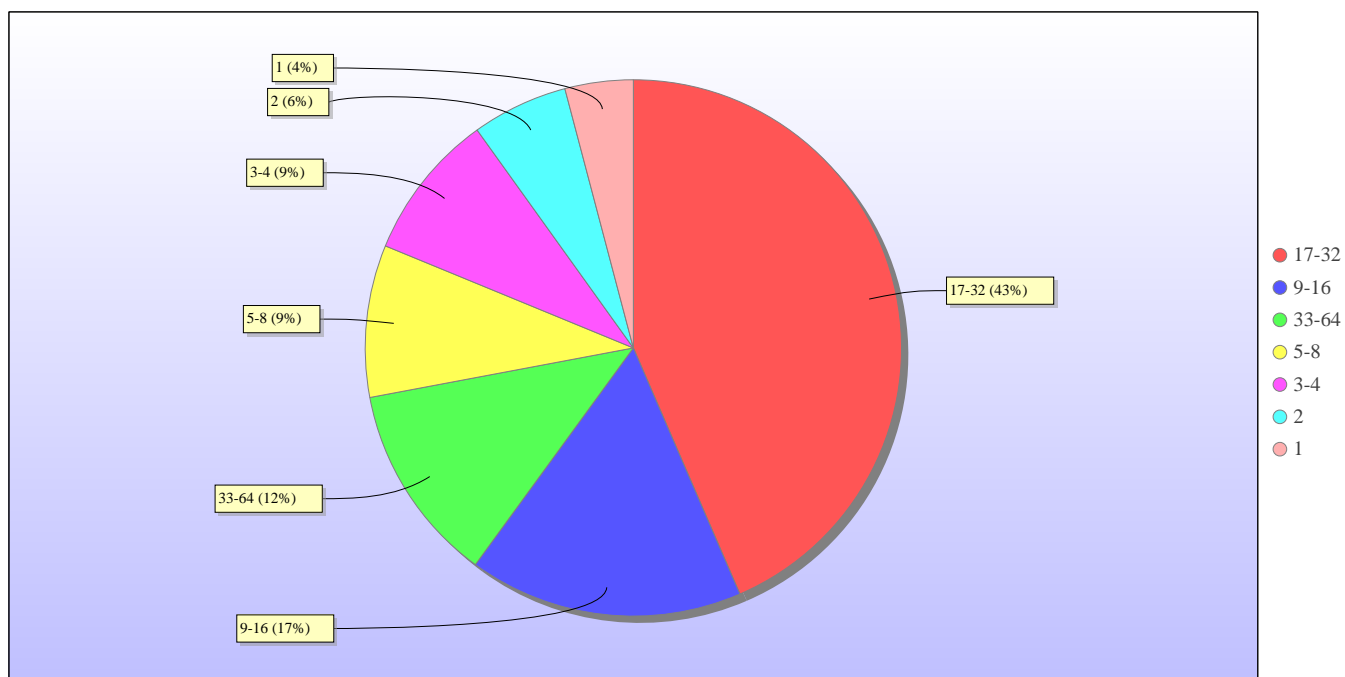
Jobs by Size



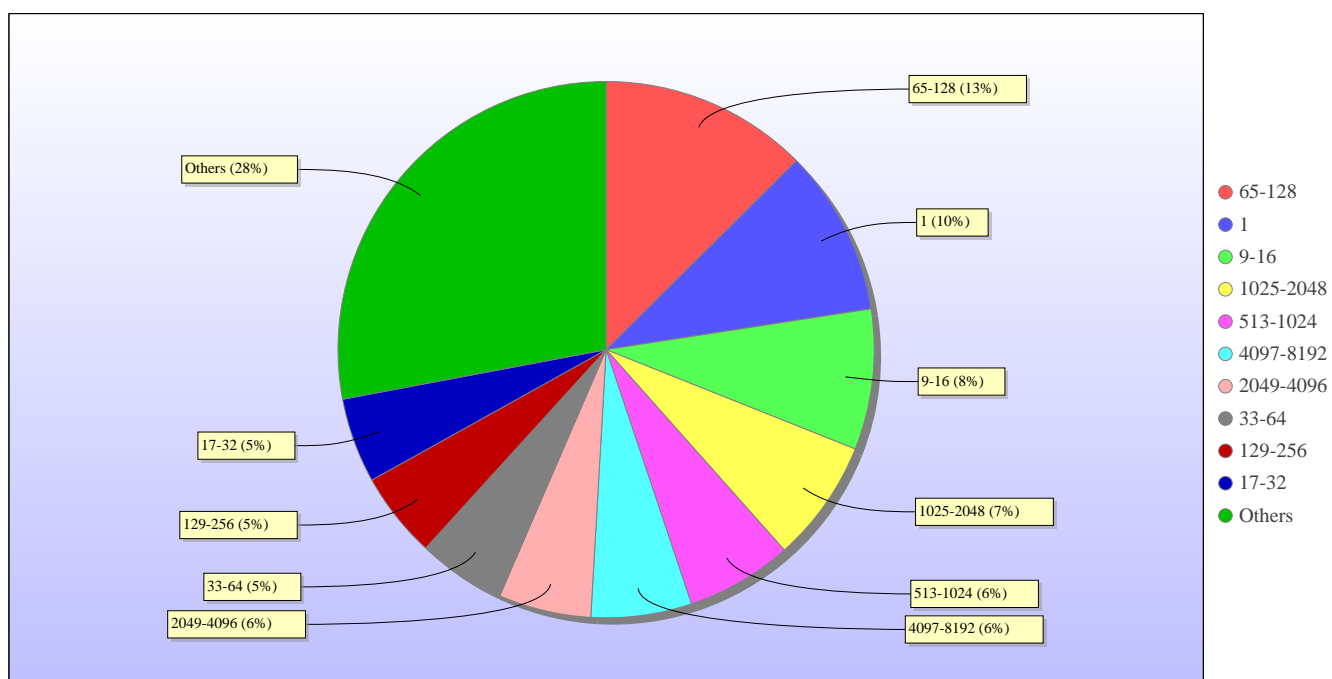
CUs used by Size



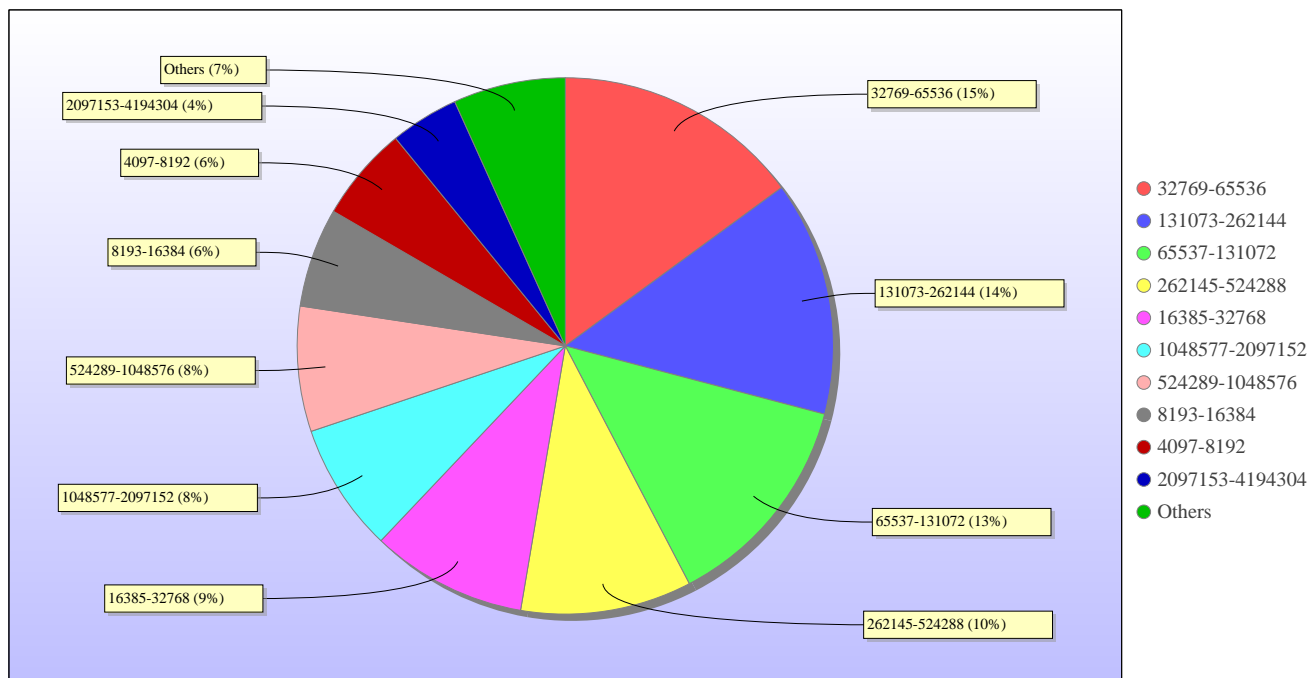
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

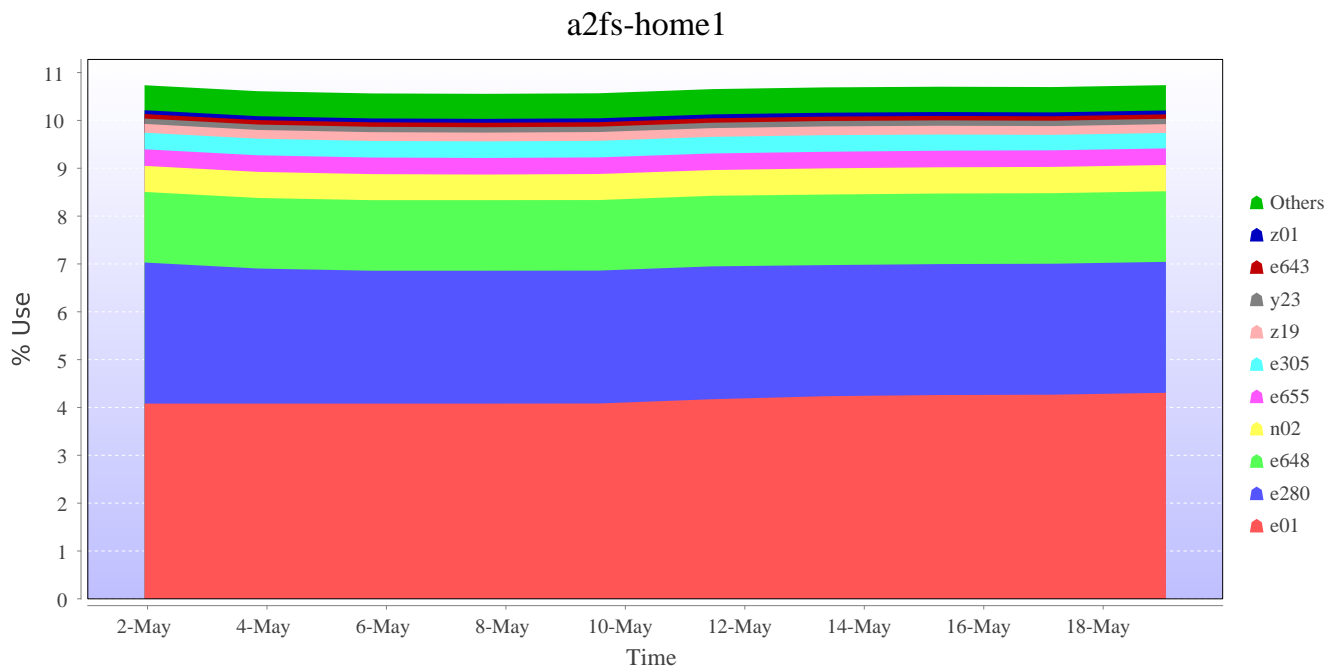


CUs used grouped by core-hours

Disk usage

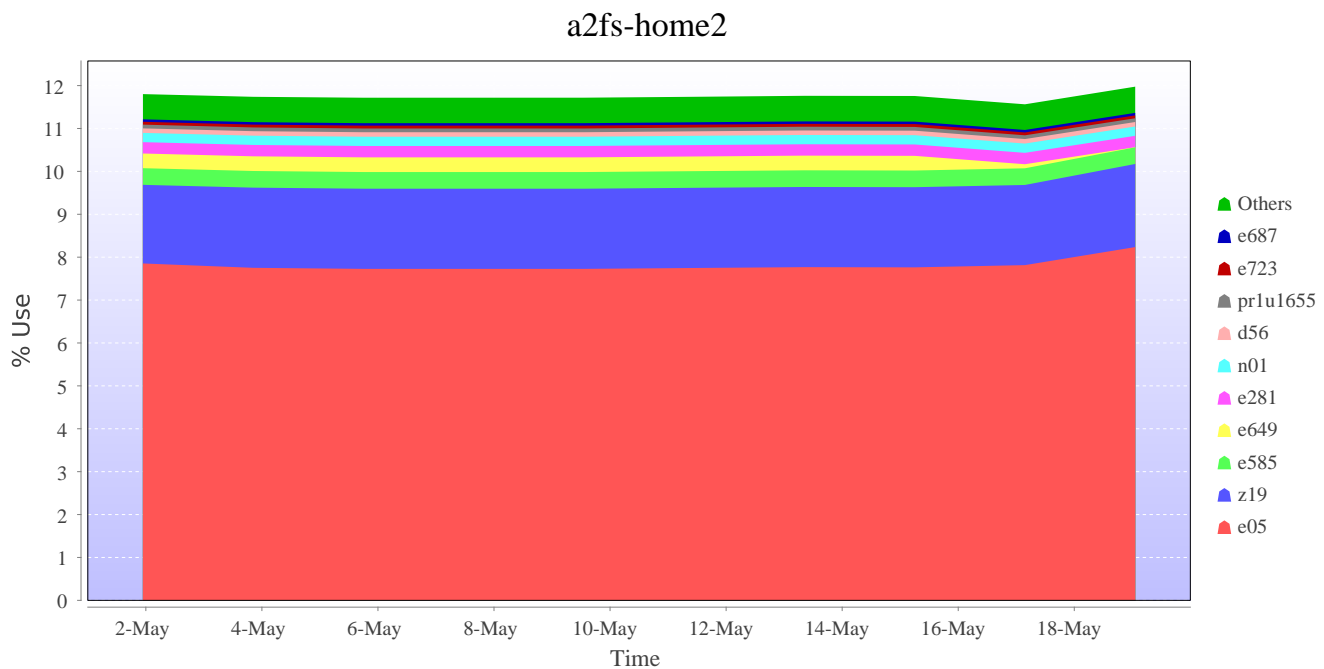
Disk usage for home (a2fs-home1)

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.



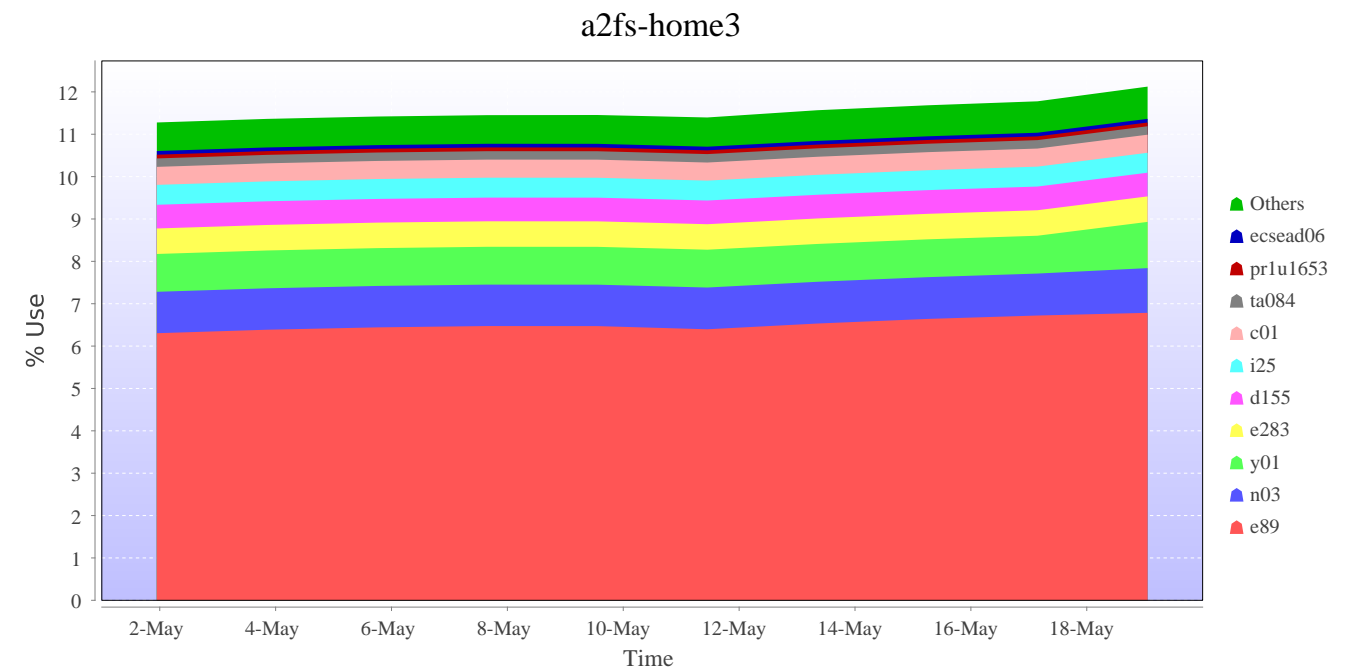
Disk usage for home (a2fs-home2)

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.



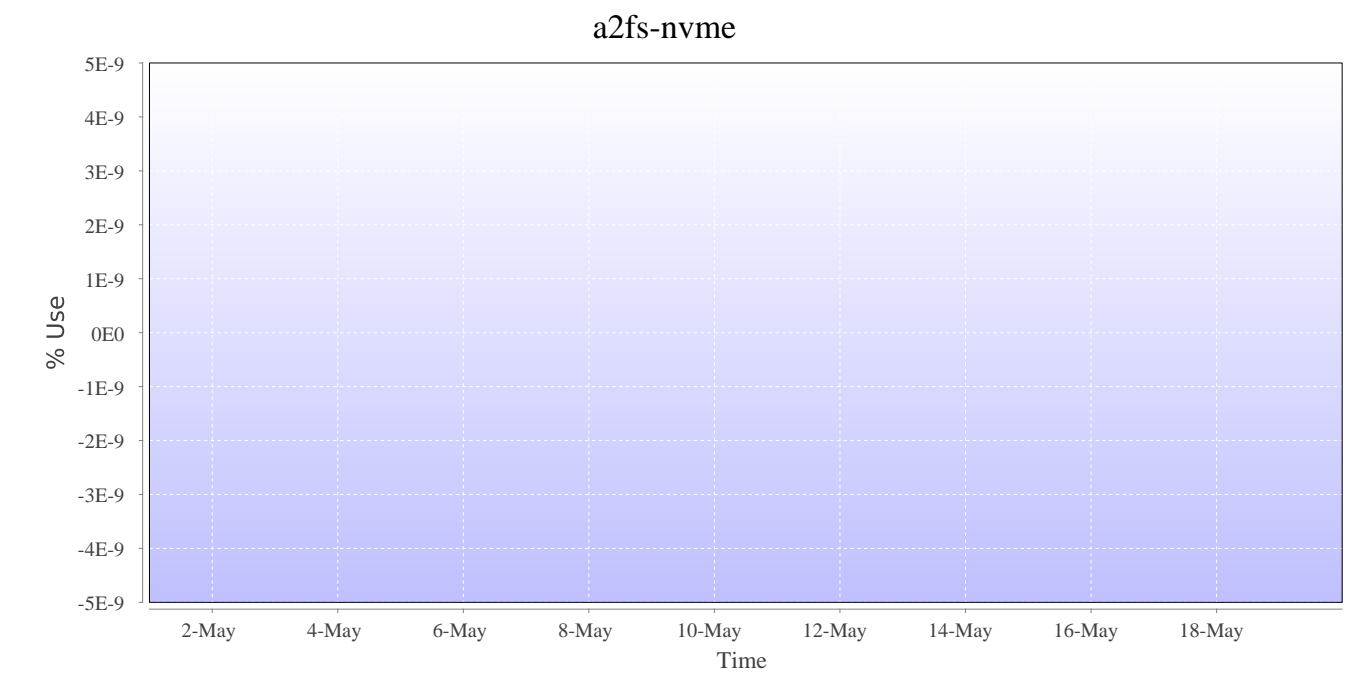
Disk usage for home (a2fs-home3)

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.



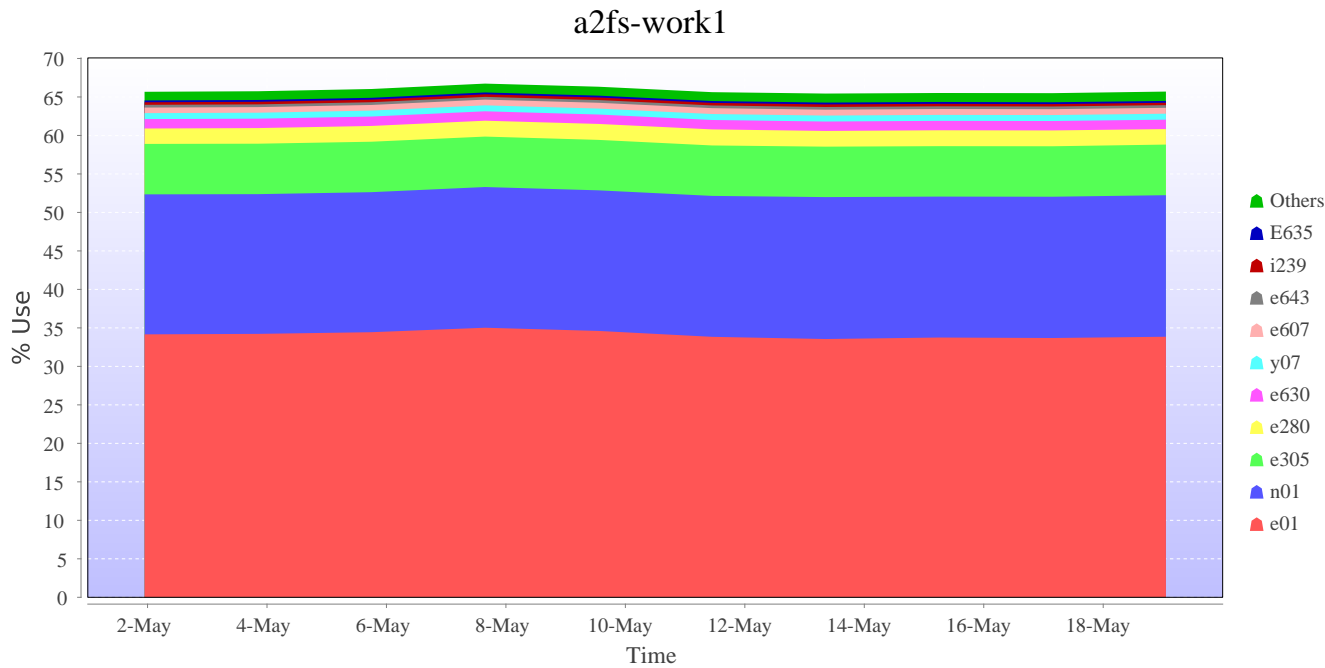
Disk usage for work-nVME (a2fs-nvme)

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.



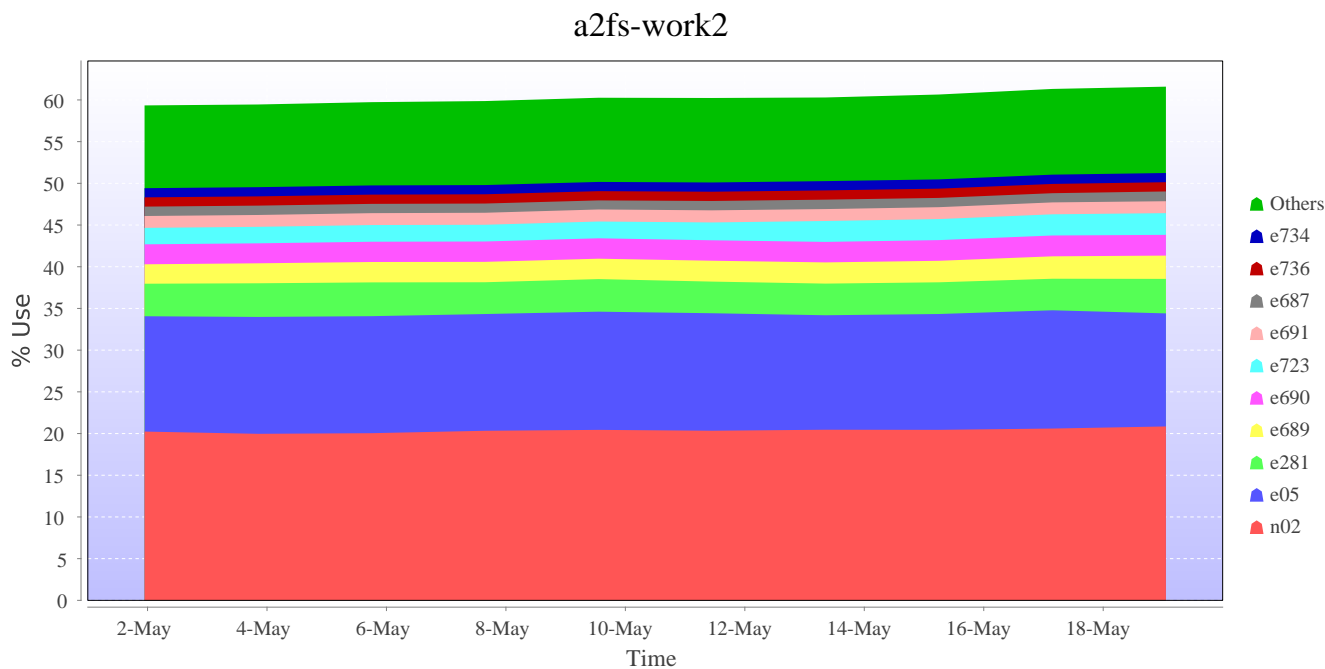
Disk usage for work (a2fs-work1)

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.



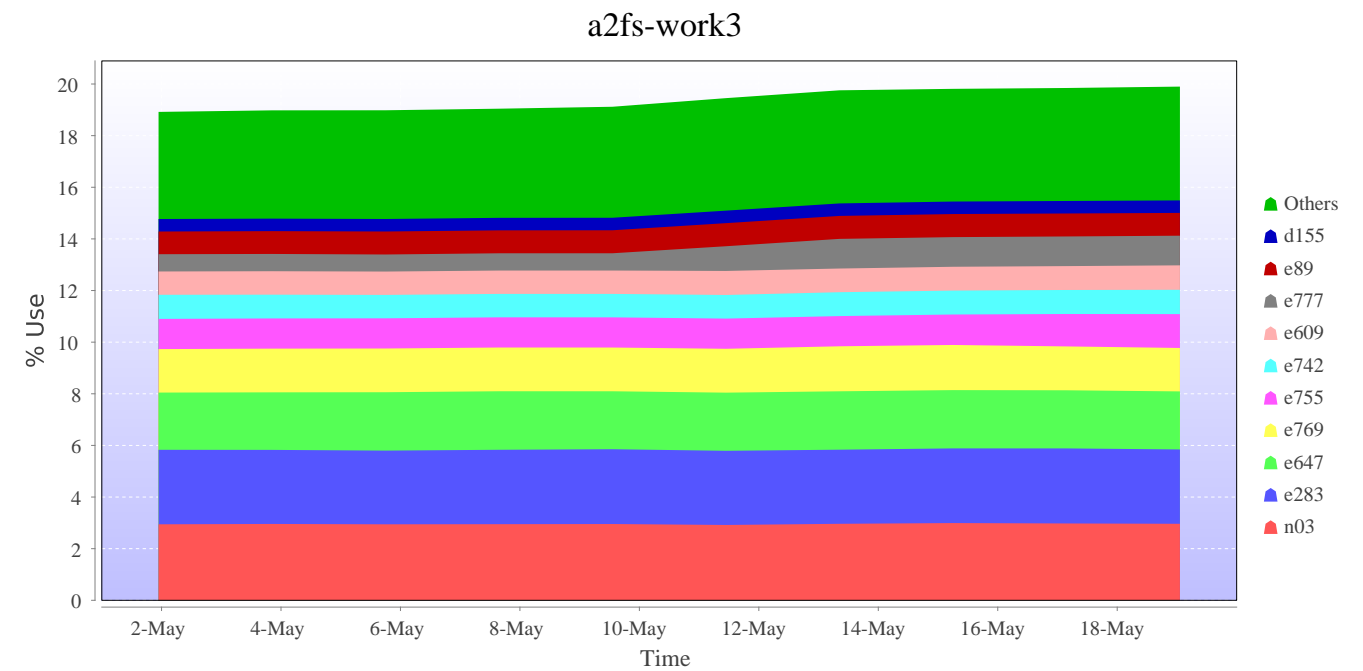
Disk usage for work (a2fs-work2)

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.



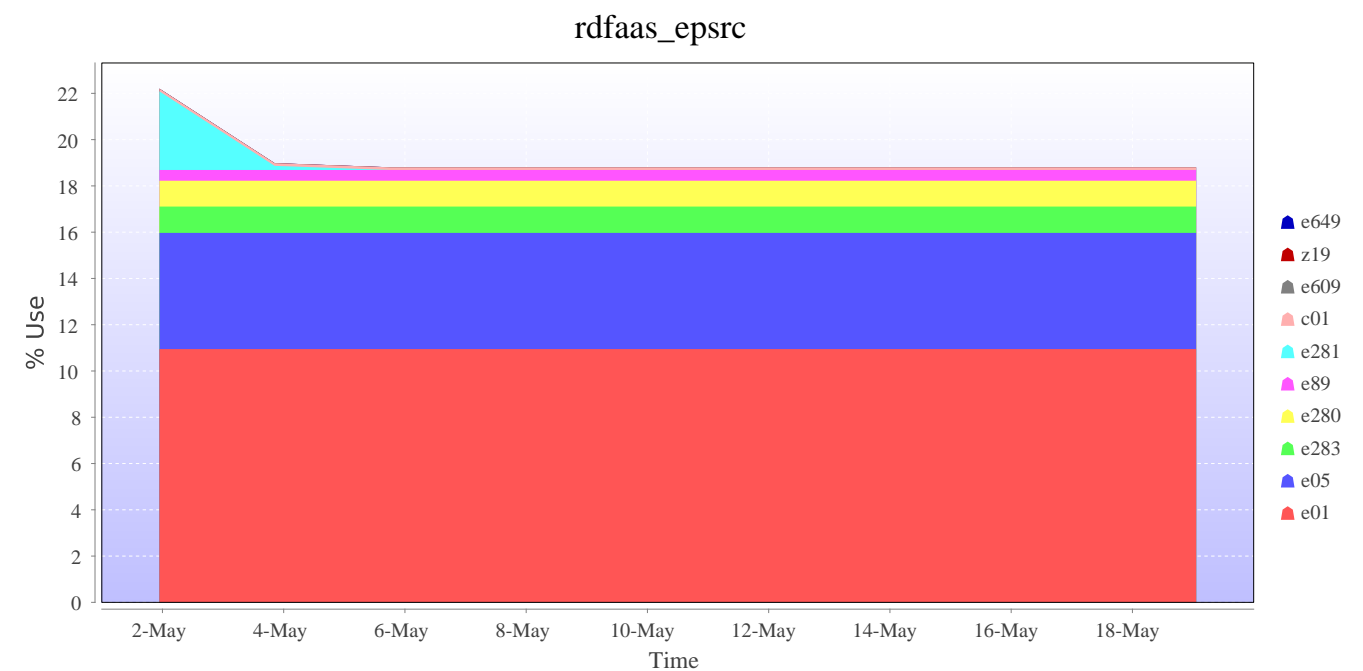
Disk usage for work (a2fs-work3)

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 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.

