

Monthly Reporting

Report from 01 January 2025 to 31 January 2025

Report for Resource Pool Archer2 on archer2

A total of 4,350,912 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.

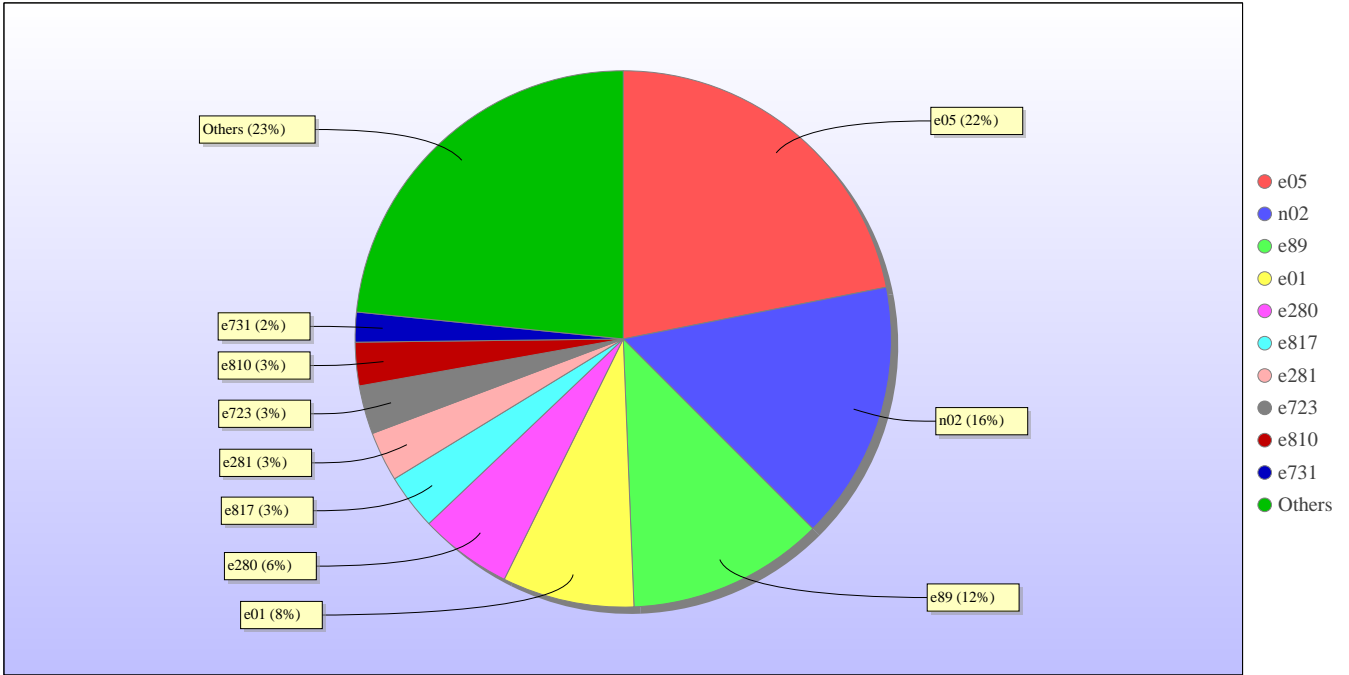
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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
e760	Leadership Awards	0	0.0	0.00%	0.0	0.00%	491.1	0.01%
e786	Leadership Awards	89	1,630.1	0.04%	1,660.5	0.04%	9,760.2	0.22%
e787	Leadership Awards	276	46,987.5	1.08%	47,537.4	1.09%	59,962.0	1.38%
e820	Leadership Awards	55	1,441.0	0.03%	1,786.4	0.04%	8,179.7	0.19%
e821	Leadership Awards	0	0.0	0.00%	0.0	0.00%	3,577.7	0.08%
e861	Leadership Awards	0	0.0	0.00%	0.0	0.00%	6,167.2	0.14%
e862	Leadership Awards	0	0.0	0.00%	0.0	0.00%	1,563.7	0.04%
e731	Pioneer Projects	448	66,358.6	1.53%	67,825.7	1.56%	23,599.1	0.54%
e744	Pioneer Projects	49	10,095.9	0.23%	10,098.2	0.23%	19,323.5	0.44%
e808	Pioneer Projects	409	15,007.8	0.34%	22,256.9	0.51%	7,123.2	0.16%
e809	Pioneer Projects	696	36,756.5	0.84%	43,761.2	1.01%	26,950.4	0.62%
e810	Pioneer Projects	238	95,810.3	2.20%	98,665.6	2.27%	35,398.6	0.81%
e812	Pioneer Projects	198	6,561.0	0.15%	7,073.3	0.16%	14,755.4	0.34%
e813	Pioneer Projects	185	6,397.6	0.15%	6,398.4	0.15%	23,918.5	0.55%
e814	Pioneer Projects	30	60,720.6	1.40%	61,518.4	1.41%	40,678.9	0.93%
e815	Pioneer Projects	77	8,932.7	0.21%	11,045.1	0.25%	22,234.1	0.51%
e817	Pioneer Projects	157	106,188.5	2.44%	126,698.8	2.91%	77,111.9	1.77%
c01	Class1a	376	15,222.7	0.35%	16,149.9	0.37%	24,757.5	0.57%
e348	Class1a	6,064	34,099.4	0.78%	34,889.4	0.80%	42,548.0	0.98%
e609	Class1a	47	0.0	0.00%	0.5	0.00%	0.0	0.00%
e643	Class1a	80	1,900.3	0.04%	1,900.3	0.04%	20,212.8	0.46%
e647	Class1a	42	3.3	0.00%	8.9	0.00%	1,698.6	0.04%
e705	Class1a	5	2,149.4	0.05%	2,149.4	0.05%	3,995.4	0.09%
e707	Class1a	87	13,879.4	0.32%	17,174.2	0.39%	11,303.0	0.26%
e710	Class1a	577	1,642.0	0.04%	1,642.0	0.04%	2,313.4	0.05%

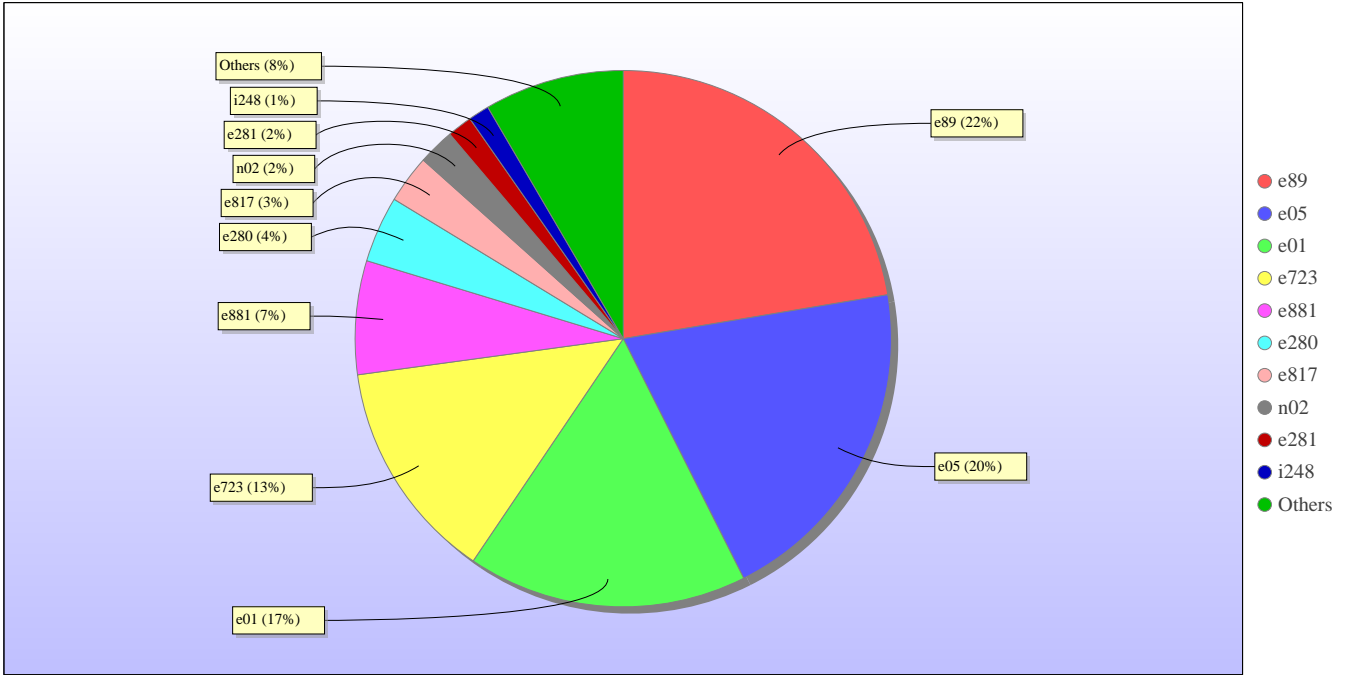
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e712	Class1a	23	11,617.2	0.27%	12,521.7	0.29%	17,131.0	0.39%
e720	Class1a	307	4,718.7	0.11%	4,719.8	0.11%	37,003.0	0.85%
e721	Class1a	393	1,571.0	0.04%	1,603.2	0.04%	904.2	0.02%
e728	Class1a	126	695.5	0.02%	719.0	0.02%	2,419.0	0.06%
e751	Class1a	166	18,862.6	0.43%	19,150.5	0.44%	7,579.8	0.17%
e752	Class1a	167	2,121.0	0.05%	2,247.0	0.05%	3,597.5	0.08%
e767	Class1a	5,700	24,800.7	0.57%	31,586.2	0.73%	14,920.9	0.34%
e769	Class1a	22	308.0	0.01%	308.0	0.01%	22,627.7	0.52%
e770	Class1a	87	532.1	0.01%	536.2	0.01%	11,986.2	0.28%
e793	Class1a	0	0.0	0.00%	0.0	0.00%	28,284.7	0.65%
e835	Class1a	50	3,706.0	0.09%	3,976.6	0.09%	10,758.3	0.25%
e838	Class1a	17	1,961.6	0.05%	1,962.0	0.05%	11,991.7	0.28%
e855	Class1a	179	46,753.9	1.07%	47,718.1	1.10%	39,383.2	0.91%
e886	Class1a	33	10,517.0	0.24%	10,517.0	0.24%	16,428.4	0.38%
e891	Class1a	136	4,832.0	0.11%	4,858.0	0.11%	72,367.2	1.66%
e01	Consortia	2,701	180,854.1	4.16%	300,049.7	6.90%	351,220.1	8.07%
e05	Consortia	24,611	683,630.2	15.71%	826,401.6	18.99%	792,309.5	18.21%
e89	Consortia	22,044	289,253.2	6.65%	447,397.1	10.28%	380,651.2	8.75%
e280	Consortia	4,866	182,754.7	4.20%	210,867.5	4.85%	214,137.7	4.92%
e281	Consortia	2,023	102,570.5	2.36%	113,182.6	2.60%	119,917.1	2.76%
e283	Consortia	1,100	36,017.0	0.83%	36,219.9	0.83%	72,635.5	1.67%
e772	Consortia	1,704	26,588.6	0.61%	27,453.8	0.63%	64,241.3	1.48%
e773	Consortia	5,346	10,484.7	0.24%	10,648.1	0.24%	31,707.5	0.73%
d885	Pump Priming	0	0.0	0.00%	0.0	0.00%	685.2	0.02%
e853	Pump Priming	4	11.1	0.00%	11.1	0.00%	225.0	0.01%
e872	Pump Priming	0	0.0	0.00%	0.0	0.00%	575.3	0.01%
e874	Pump Priming	0	0.0	0.00%	0.0	0.00%	673.8	0.02%
e879	Pump Priming	221	3,879.3	0.09%	4,017.7	0.09%	673.8	0.02%
e885	Pump Priming	0	0.0	0.00%	0.0	0.00%	685.2	0.02%
e887	Pump Priming	0	0.0	0.00%	0.0	0.00%	670.4	0.02%
e888	Pump Priming	58	1,300.1	0.03%	1,300.1	0.03%	685.2	0.02%
e889	Pump Priming	0	0.0	0.00%	0.0	0.00%	620.1	0.01%
e890	Pump Priming	3	0.0	0.00%	0.0	0.00%	378.3	0.01%
e893	Pump Priming	4	0.1	0.00%	0.1	0.00%	680.3	0.02%
e894	Pump Priming	0	0.0	0.00%	0.0	0.00%	267.4	0.01%
z61	Research	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
e703	Access to HPC	0	0.0	0.00%	0.0	0.00%	4,931.5	0.11%
e727	Access to HPC	381	1,943.3	0.04%	1,943.3	0.04%	7,285.7	0.17%
e742	Access to HPC	26	2,500.1	0.06%	2,500.1	0.06%	4,058.4	0.09%
e781	Access to HPC	241	2,809.2	0.06%	2,809.2	0.06%	7,930.2	0.18%
e804	Access to HPC	233	49,587.0	1.14%	54,952.1	1.26%	27,910.4	0.64%
e822	Access to HPC	424	3,569.9	0.08%	4,001.6	0.09%	20,573.2	0.47%
e829	Access to HPC	806	6,117.1	0.14%	6,715.9	0.15%	4,063.8	0.09%
e845	Access to HPC	558	14,648.2	0.34%	16,589.4	0.38%	14,143.4	0.33%
e852	Access to HPC	3	505.0	0.01%	505.0	0.01%	1,960.6	0.05%
e863	Access to HPC	11	1,432.6	0.03%	1,432.6	0.03%	8,689.4	0.20%
e864	Access to HPC	1,546	1,757.2	0.04%	1,965.8	0.05%	3,418.7	0.08%
e865	Access to HPC	517	11,087.0	0.25%	11,098.3	0.26%	24,473.7	0.56%
e866	Access to HPC	7	1,618.9	0.04%	1,667.0	0.04%	38,135.3	0.88%
e868	Access to HPC	101	6,320.5	0.15%	6,703.1	0.15%	6,200.0	0.14%
e870	Access to HPC	215	332.8	0.01%	332.8	0.01%	3,031.1	0.07%
e871	Access to HPC	27	49.1	0.00%	49.1	0.00%	902.9	0.02%
e873	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,369.6	0.08%
e875	Access to HPC	1	0.0	0.00%	35.4	0.00%	6,888.9	0.16%
e876	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,223.9	0.05%
e877	Access to HPC	362	48,744.0	1.12%	54,918.4	1.26%	43,400.0	1.00%
e878	Access to HPC	0	0.0	0.00%	0.0	0.00%	25,833.3	0.59%
e881	Access to HPC	37	1,353.7	0.03%	49,758.8	1.14%	6,739.1	0.15%
e882	Access to HPC	8	5,760.4	0.13%	7,117.1	0.16%	5,967.6	0.14%
e883	Access to HPC	986	9,682.3	0.22%	9,907.8	0.23%	12,384.1	0.28%
e884	Access to HPC	75	793.0	0.02%	837.5	0.02%	17,222.2	0.40%
EPSRC Total		88,841	2,352,737.0	54.07%	2,936,053.3	67.48%	3,120,383.8	71.72%
n01	Consortia	1,527	35,540.9	0.82%	37,464.2	0.86%	105,315.1	2.42%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
n02	Consortia	67,677	572,579.4	13.16%	588,152.1	13.52%	707,904.1	16.27%
n03	Consortia	2,844	22,820.3	0.52%	23,619.7	0.54%	100,134.2	2.30%
NERC Total		72,048	630,940.6	14.50%	649,236.0	14.92%	913,353.4	20.99%
b19	Class1a	1	0.0	0.00%	0.3	0.00%	1,480.1	0.03%
BBSRC Total		1	0.0	0.00%	0.3	0.00%	1,480.1	0.03%
e756	Leadership Awards	236	1,683.2	0.04%	1,687.2	0.04%	6,814.7	0.16%
e860	Leadership Awards	162	823.0	0.02%	823.0	0.02%	1,703.3	0.04%
e723	Class1a	875	15,661.5	0.36%	110,290.5	2.53%	39,598.5	0.91%
e738	Class1a	41	17.9	0.00%	17.9	0.00%	16,844.0	0.39%
UKRI Total		1,314	18,185.6	0.42%	112,818.5	2.59%	64,960.6	1.49%
ecseag09	eCSE	0	0.0	0.00%	0.0	0.00%	189.1	0.00%
ecseah01	eCSE	4	0.1	0.00%	0.1	0.00%	101.8	0.00%
ecseah05	eCSE	387	27.5	0.00%	33.2	0.00%	54.4	0.00%
ecseai04	eCSE	0	0.0	0.00%	0.0	0.00%	166.2	0.00%
ecseai05	eCSE	0	0.0	0.00%	0.0	0.00%	124.6	0.00%
ecseai12	eCSE	0	0.0	0.00%	0.0	0.00%	58.9	0.00%
ecseaj02	eCSE	40	3.8	0.00%	3.8	0.00%	59.3	0.00%
ecseak01	eCSE	118	3.2	0.00%	3.2	0.00%	62.9	0.00%
ecseak02	eCSE	0	0.0	0.00%	0.0	0.00%	141.0	0.00%
ecseak03	eCSE	31	0.0	0.00%	55.7	0.00%	67.9	0.00%
ecseak05	eCSE	2	16.0	0.00%	16.0	0.00%	125.7	0.00%
ecseak07	eCSE	6	113.1	0.00%	113.1	0.00%	92.8	0.00%
ecseak09	eCSE	0	0.0	0.00%	0.0	0.00%	71.7	0.00%
ecseak11	eCSE	0	0.0	0.00%	0.0	0.00%	195.2	0.00%
ecseak12	eCSE	6	0.1	0.00%	0.1	0.00%	60.1	0.00%
ecseak14	eCSE	0	0.0	0.00%	0.0	0.00%	166.8	0.00%
ecseak15	eCSE	0	0.0	0.00%	0.0	0.00%	169.9	0.00%
ecseak16	eCSE	0	0.0	0.00%	0.0	0.00%	70.3	0.00%
ecsega10	eCSE	0	0.0	0.00%	0.0	0.00%	60.3	0.00%
ecsega20	eCSE	0	0.0	0.00%	0.0	0.00%	135.9	0.00%
ecsega23	eCSE	0	0.0	0.00%	0.0	0.00%	154.2	0.00%
ecsega29	eCSE	3	0.0	0.00%	9.4	0.00%	200.3	0.00%
eCSE Total		597	163.7	0.00%	234.6	0.01%	2,529.2	0.06%
e609	Class1a	79	0.1	0.00%	11.6	0.00%	1,698.6	0.04%
d35	Research	395	361.5	0.01%	361.5	0.01%	4,144.4	0.10%
d142	Research	0	0.0	0.00%	0.0	0.00%	424.7	0.01%
d183	Research	0	0.0	0.00%	0.0	0.00%	83.3	0.00%
d184	Research	0	0.0	0.00%	0.0	0.00%	4.2	0.00%
d193	Research	0	0.0	0.00%	0.0	0.00%	681.3	0.02%
d196	Research	8	15.5	0.00%	15.5	0.00%	42.5	0.00%
d197	Research	0	0.0	0.00%	0.0	0.00%	226.3	0.01%
d198	Research	111	1,193.3	0.03%	1,303.0	0.03%	2,176.4	0.05%
d199	Research	0	0.0	0.00%	0.0	0.00%	452.6	0.01%
d200	Research	0	0.0	0.00%	0.0	0.00%	201.4	0.00%
d203	Research	0	0.0	0.00%	0.0	0.00%	1.4	0.00%
d435	Research	49	505.5	0.01%	505.5	0.01%	2,095.2	0.05%
d442	Research	0	0.0	0.00%	0.0	0.00%	154.2	0.00%
d443	Research	22	901.5	0.02%	1,355.2	0.03%	1,630.7	0.04%
d445	Research	15	10.4	0.00%	10.7	0.00%	85.7	0.00%
i246	Research	27	0.0	0.00%	517.6	0.01%	0.1	0.00%
d433	Industrial	7	0.9	0.00%	0.9	0.00%	55.2	0.00%
d434	Industrial	0	0.0	0.00%	0.0	0.00%	17.0	0.00%
d440	Industrial	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
d441	Industrial	2	0.3	0.00%	0.3	0.00%	151.7	0.00%
i01	Industrial	84	3,555.2	0.08%	3,556.2	0.08%	494.5	0.01%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	1,122.6	0.03%
i26	Industrial	0	0.0	0.00%	0.0	0.00%	92.5	0.00%
i29	Industrial	81	7.0	0.00%	7.0	0.00%	1,735.7	0.04%
i239	Industrial	537	1,417.1	0.03%	1,428.6	0.03%	1,552.1	0.04%
i241	Industrial	76	25.8	0.00%	27.6	0.00%	875.6	0.02%
i242	Industrial	0	0.0	0.00%	0.0	0.00%	813.6	0.02%

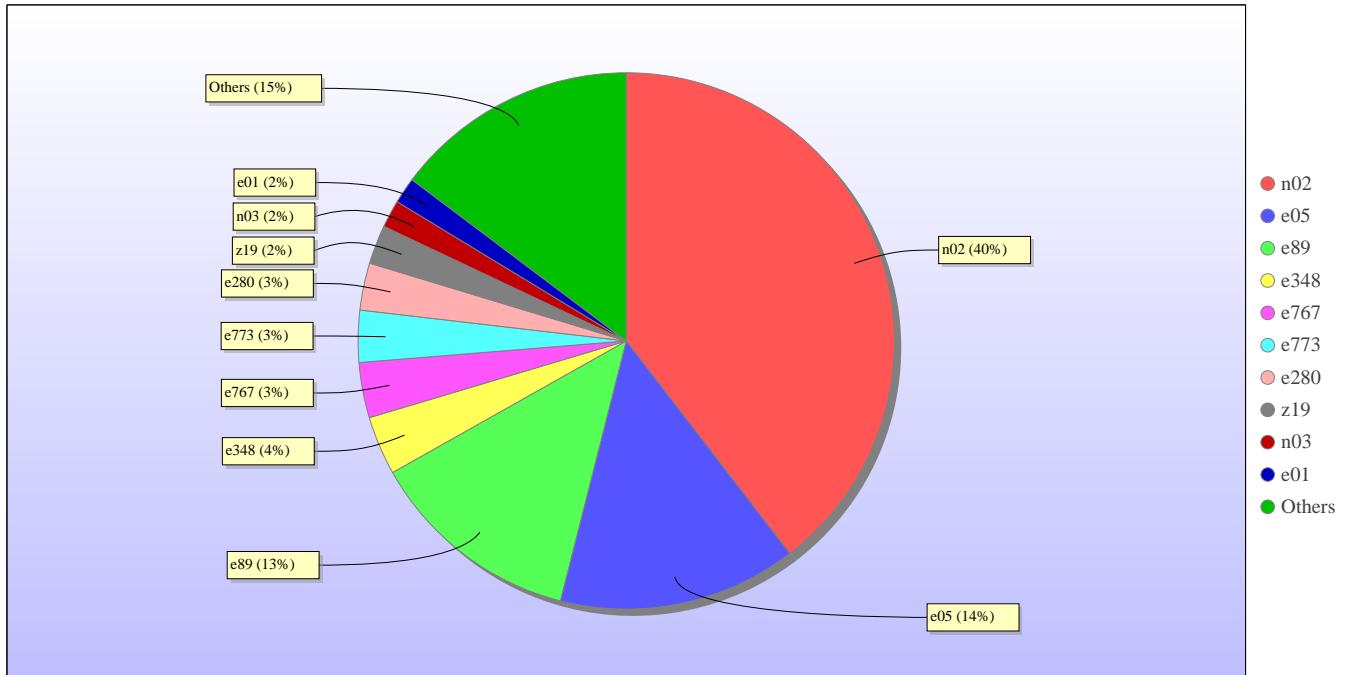
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i243	Industrial	0	0.0	0.00%	0.0	0.00%	577.4	0.01%
i244	Industrial	0	0.0	0.00%	0.0	0.00%	878.2	0.02%
i248	Industrial	63	30,903.6	0.71%	39,856.0	0.92%	16,998.0	0.39%
i250	Industrial	1	0.2	0.00%	0.2	0.00%	2.1	0.00%
i251	Industrial	171	3,110.4	0.07%	3,113.4	0.07%	2,814.4	0.06%
i252	Industrial	306	205.0	0.00%	205.0	0.00%	696.0	0.02%
i254	Industrial	0	0.0	0.00%	0.0	0.00%	85.7	0.00%
ta178	Industrial	1	0.0	0.00%	0.0	0.00%	226.2	0.01%
m22ol	Training	0	0.0	0.00%	0.0	0.00%	339.2	0.01%
m24hw	Training	0	0.0	0.00%	0.0	0.00%	482.9	0.01%
m24oc	Training	288	28.0	0.00%	28.0	0.00%	965.7	0.02%
m24ol	Training	113	94.7	0.00%	94.7	0.00%	482.9	0.01%
m24ext	Training	11	0.4	0.00%	0.4	0.00%	96.6	0.00%
mdisspt	Training	520	17.2	0.00%	17.2	0.00%	594.5	0.01%
ta135	Training	0	0.0	0.00%	0.0	0.00%	1,020.7	0.02%
ta136	Training	0	0.0	0.00%	0.0	0.00%	15.3	0.00%
ta156	Training	0	0.0	0.00%	0.0	0.00%	31.8	0.00%
ta157	Training	0	0.0	0.00%	0.0	0.00%	508.2	0.01%
ta169	Training	0	0.0	0.00%	0.0	0.00%	20.4	0.00%
ta170	Training	123	278.1	0.01%	278.1	0.01%	510.5	0.01%
ta175	Training	0	0.0	0.00%	0.0	0.00%	14.5	0.00%
ta179	Training	127	0.4	0.00%	0.4	0.00%	482.9	0.01%
ta181	Training	0	0.0	0.00%	0.0	0.00%	17.1	0.00%
ta182	Training	0	0.0	0.00%	0.0	0.00%	5.2	0.00%
ta183	Training	0	0.0	0.00%	0.0	0.00%	18.3	0.00%
ta185	Training	178	1,065.4	0.02%	710.3	0.02%	460.8	0.01%
ta186	Training	0	0.0	0.00%	0.0	0.00%	12.8	0.00%
ta187	Training	0	0.0	0.00%	0.0	0.00%	105.6	0.00%
ta188	Training	149	353.5	0.01%	364.7	0.01%	511.4	0.01%
ta189	Training	0	0.0	0.00%	0.0	0.00%	42.2	0.00%
d201	GPU 1b	9	0.0	0.00%	2.1	0.00%	0.3	0.00%
Scottish Academic Access	UoE	72	60.0	0.00%	64.4	0.00%	1,713.1	0.04%
Scottish Academic Access	UoE	0	0.0	0.00%	0.0	0.00%	603.4	0.01%
d444	Service	0	0.0	0.00%	0.0	0.00%	1,523.7	0.04%
y01	Service	0	0.0	0.00%	0.0	0.00%	74.8	0.00%
y02	Service	542	105.2	0.00%	119.4	0.00%	2,120.4	0.05%
y07	Service	1	0.0	0.00%	0.0	0.00%	28.3	0.00%
z02	Service	2	0.0	0.00%	0.0	0.00%	62.7	0.00%
z19	Service	4,007	6,325.3	0.15%	6,356.8	0.15%	42,582.4	0.98%
z99	Service	0	0.0	0.00%	0.0	0.00%	60.5	0.00%
d448	UoE Access	1	5.0	0.00%	5.0	0.00%	790.3	0.02%
DirectorsTime		8,178	50,546.7	1.16%	60,317.4	1.39%	99,591.2	2.29%
Total								
e829	Access to HPC	20	471.3	0.01%	471.3	0.01%	0.0	0.00%
e840	Access to HPC	17	7,687.2	0.18%	7,687.2	0.18%	0.0	0.00%
e734	Access to HPC	1	720.2	0.02%	720.2	0.02%	0.0	0.00%
e842	Access to HPC	36	1,088.5	0.03%	1,088.5	0.03%	0.0	0.00%
e848	Access to HPC	1	83.0	0.00%	83.0	0.00%	0.0	0.00%
e851	Access to HPC	4	3,239.1	0.07%	3,239.1	0.07%	0.0	0.00%
Total		79	13,289.3	0.31%	13,289.3	0.31%	0.0	0.00%
Total		171,058	3,065,863.0	70.46%	3,771,949.5	86.69%	4,202,298.3	96.58%



Use by Project



Uncharged Use by Project

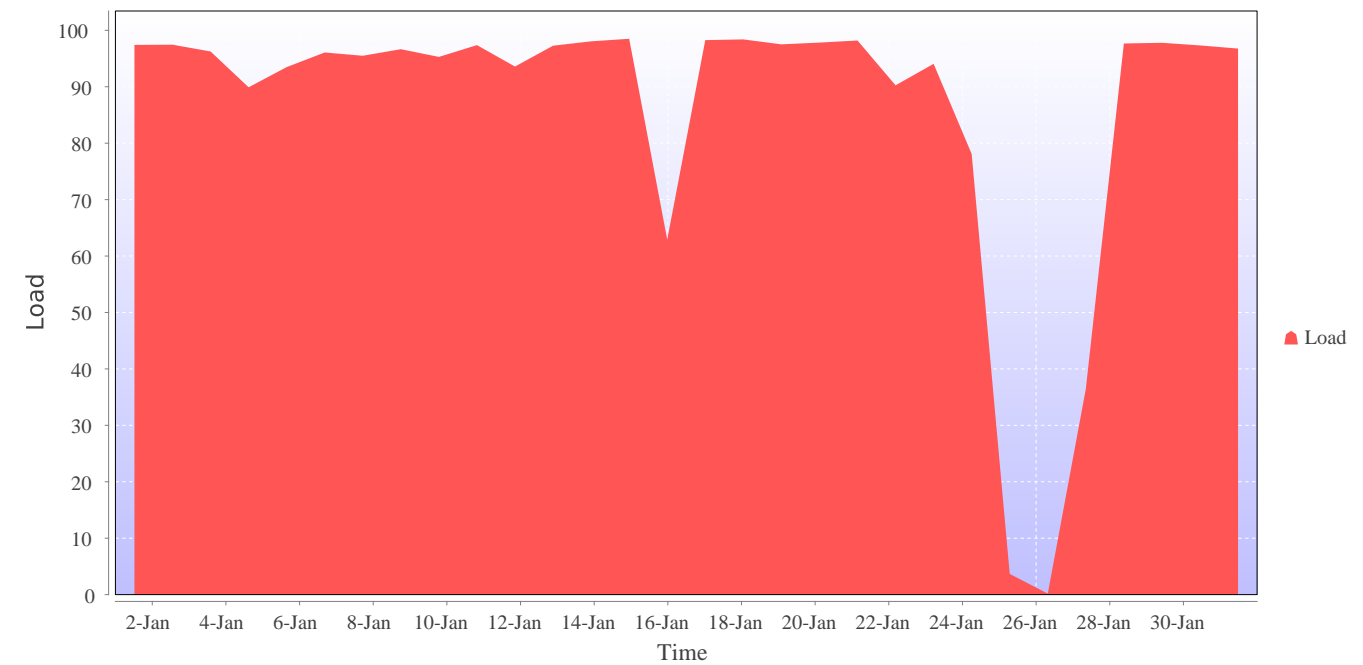


Jobs by Project

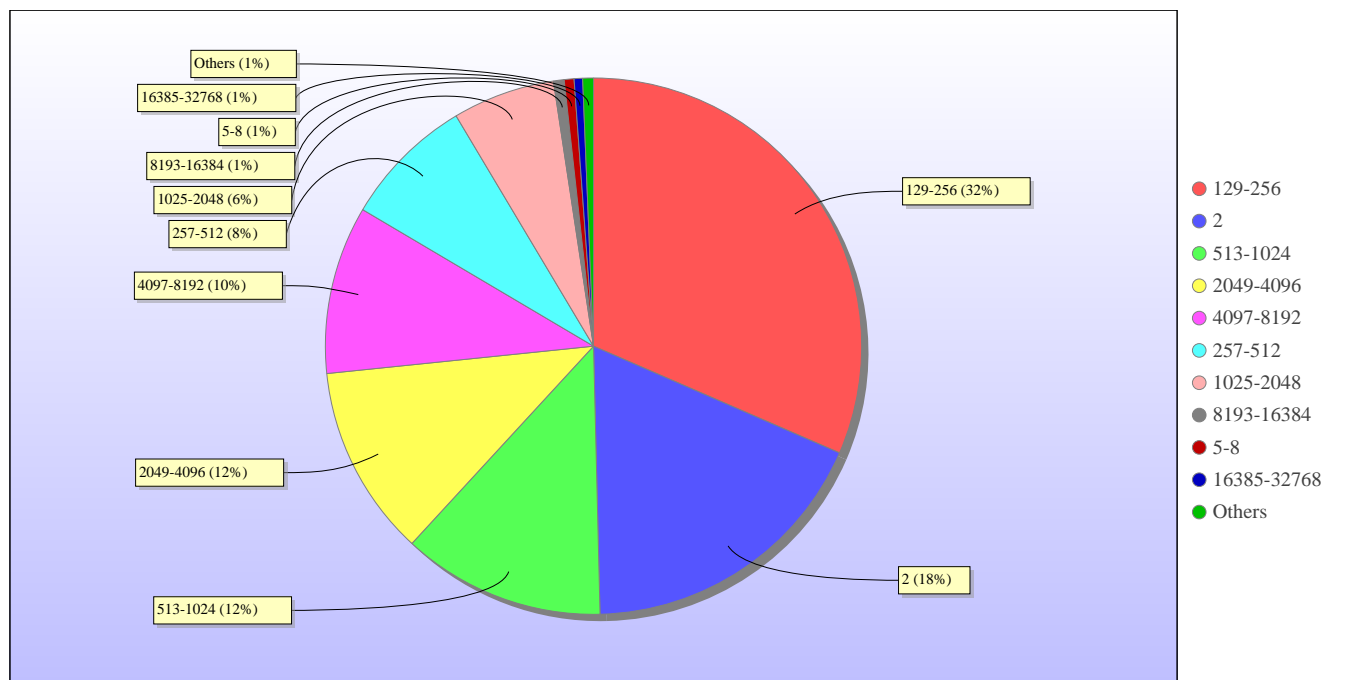
CUs (by Size)

Size	CUs	Number of Jobs
1	0	17
2	0	30,957
3-4	0	79
5-8	1.426	1,011
9-16	0.017	52
17-32	0.011	323
33-64	0.031	166
65-128	0	2
129-256	113,561.411	53,908
257-512	122,801.338	13,578
513-1024	315,165.117	20,918
1025-2048	363,966.994	10,555
2049-4096	602,318.453	19,722
4097-8192	502,657.794	17,325
8193-16384	382,227.871	1,100
16385-32768	278,420.874	872
32769-65536	288,753.098	365
65537-131072	77,830.675	78
131073-262144	16,561.95	20
262145-524288	0	6

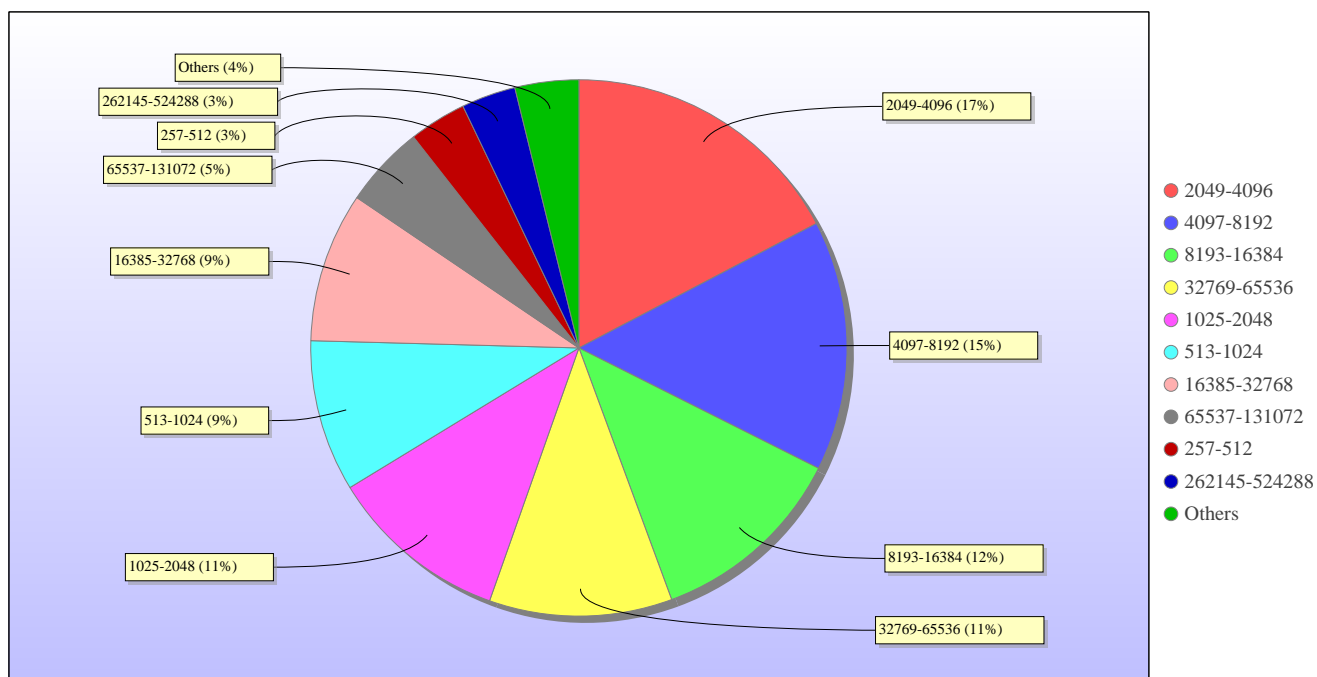
Load plots



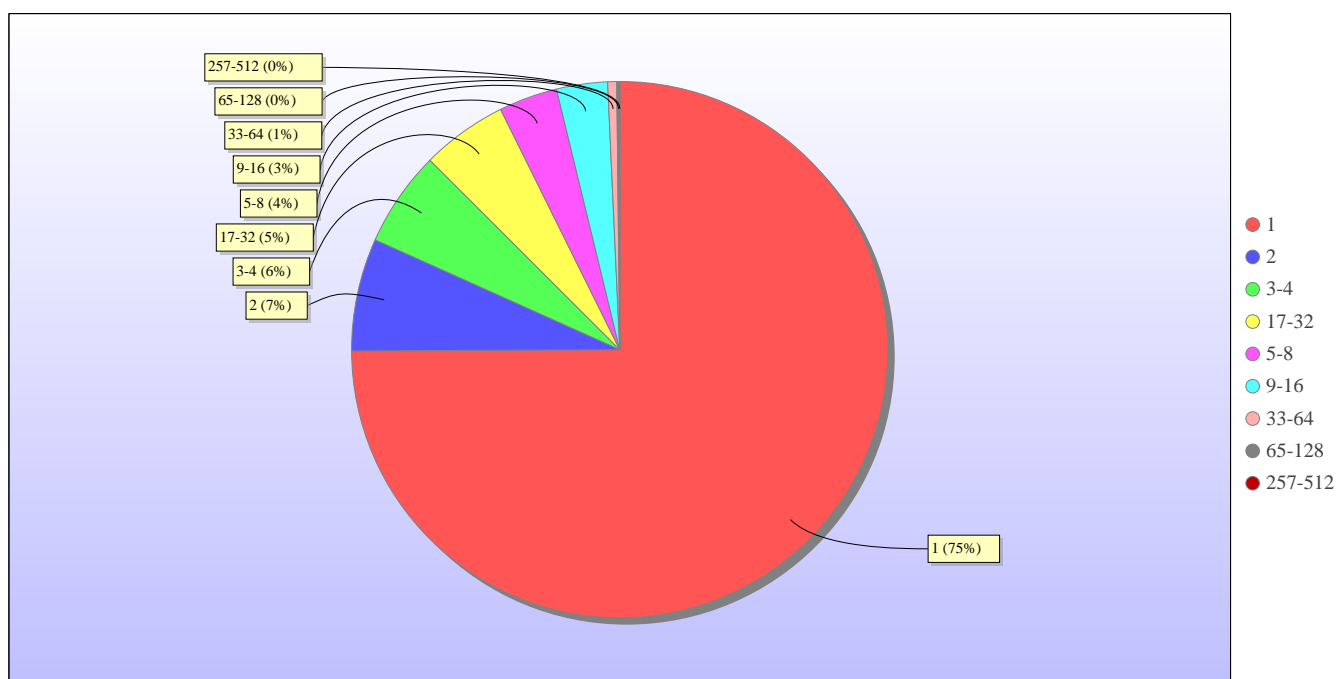
Percentage load on machine



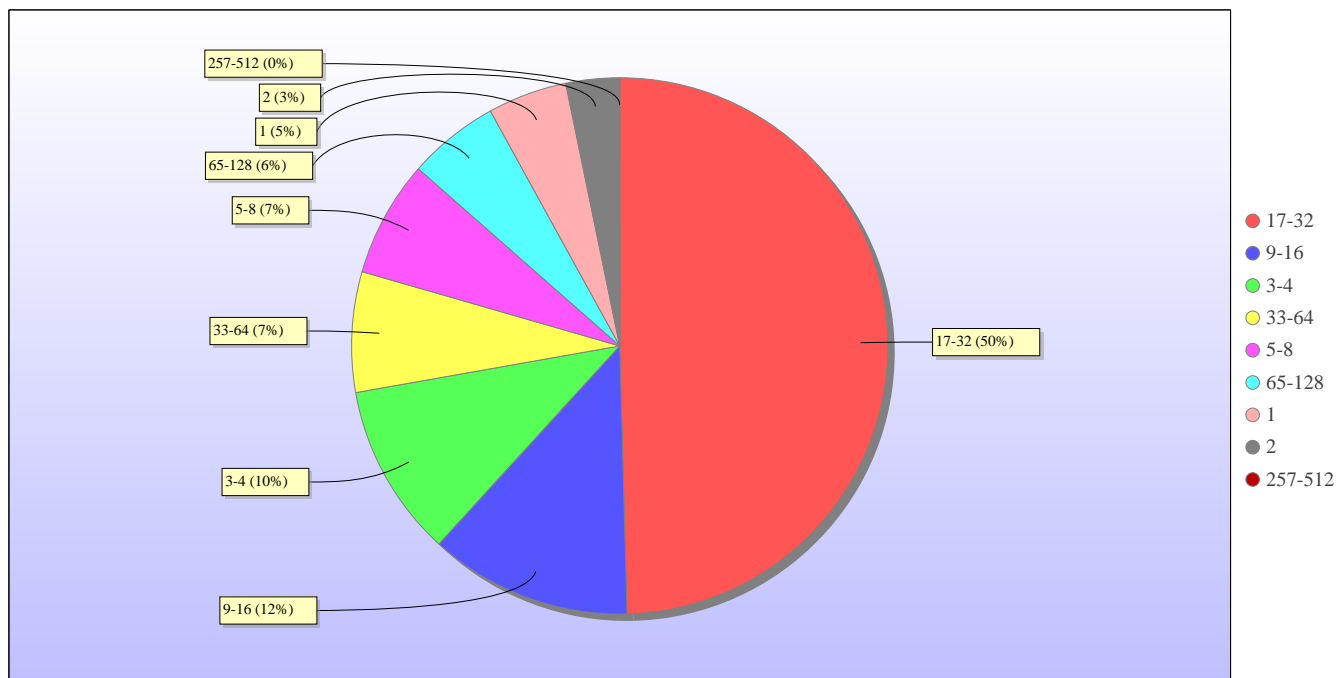
Jobs by Size



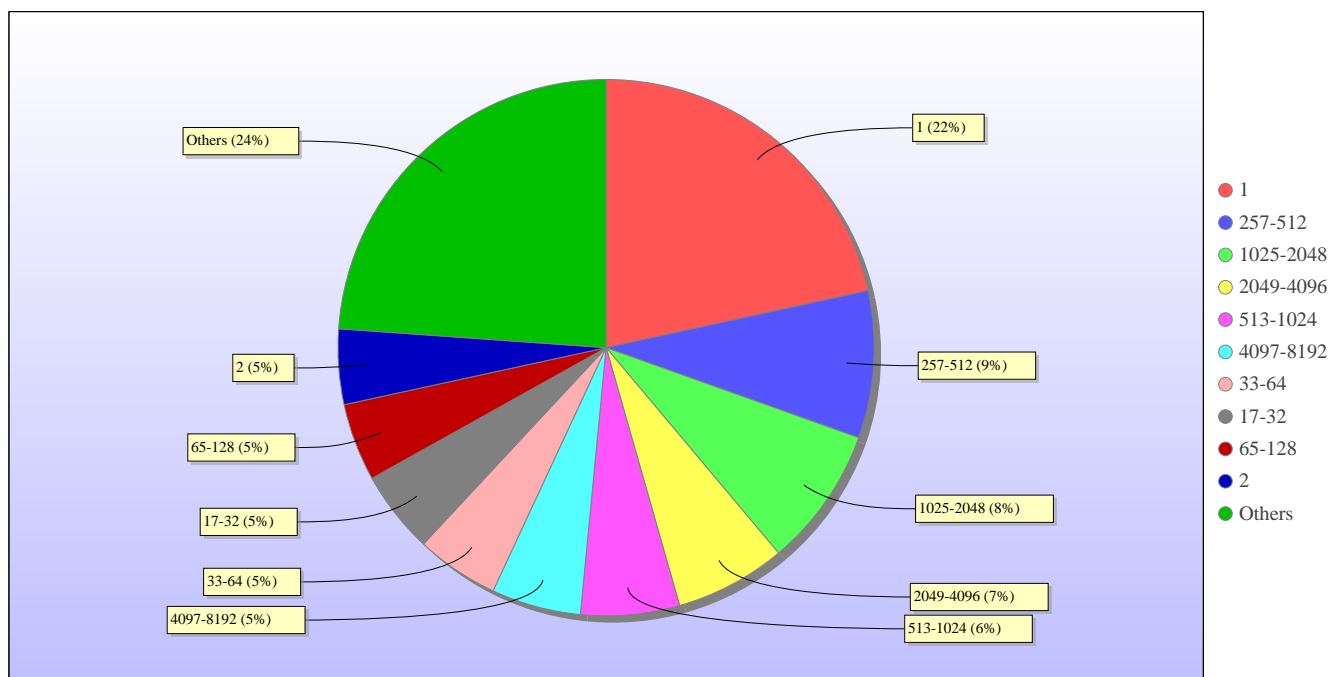
CUs used by Size



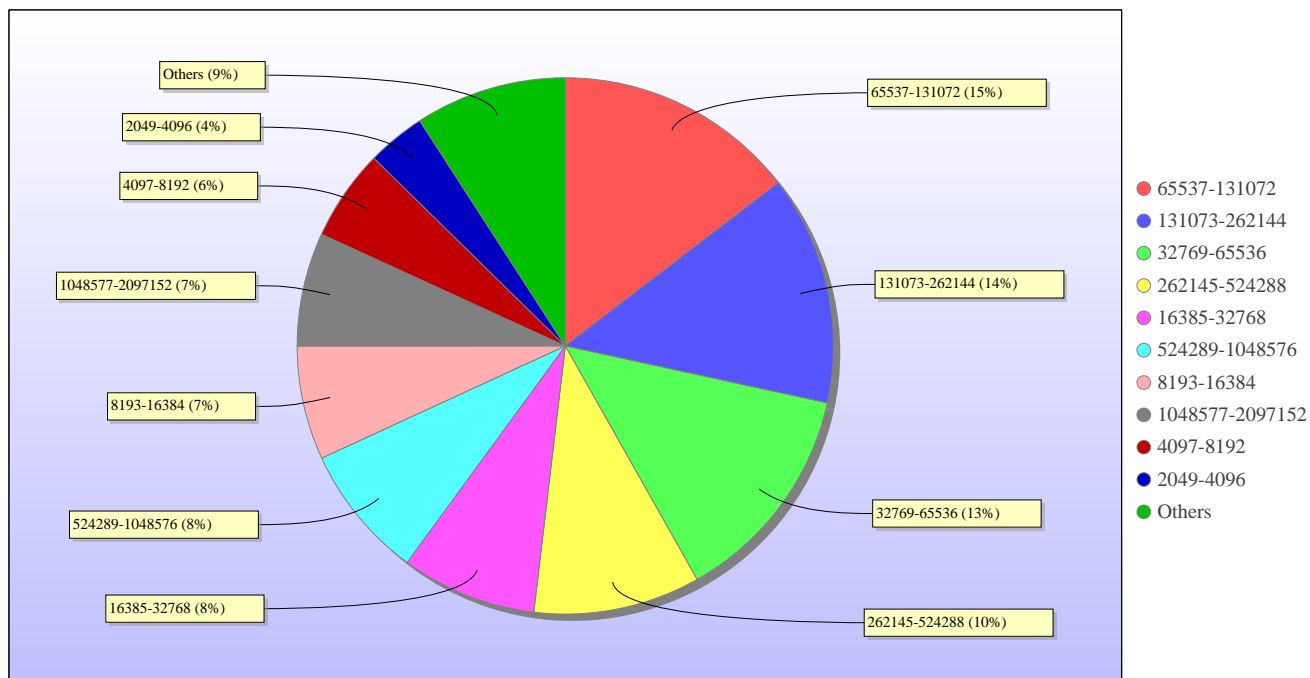
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

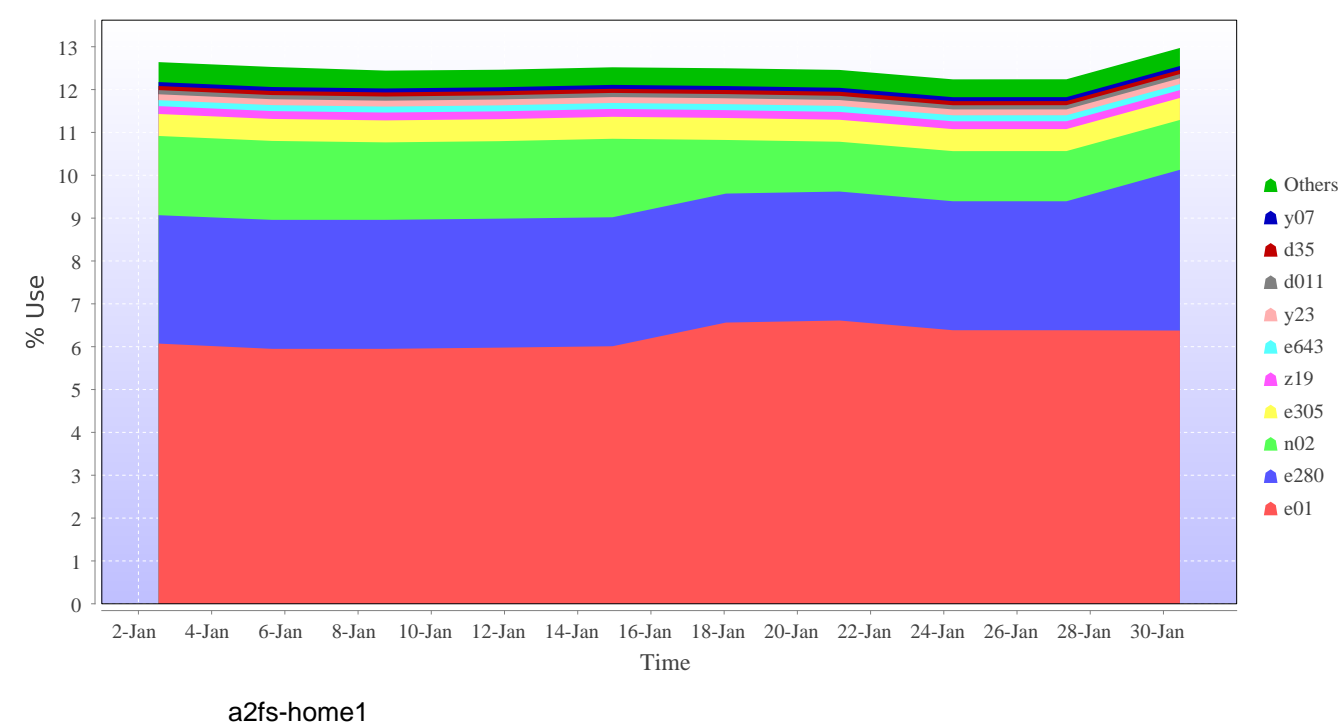


CUs used grouped by core-hours

Disk usage

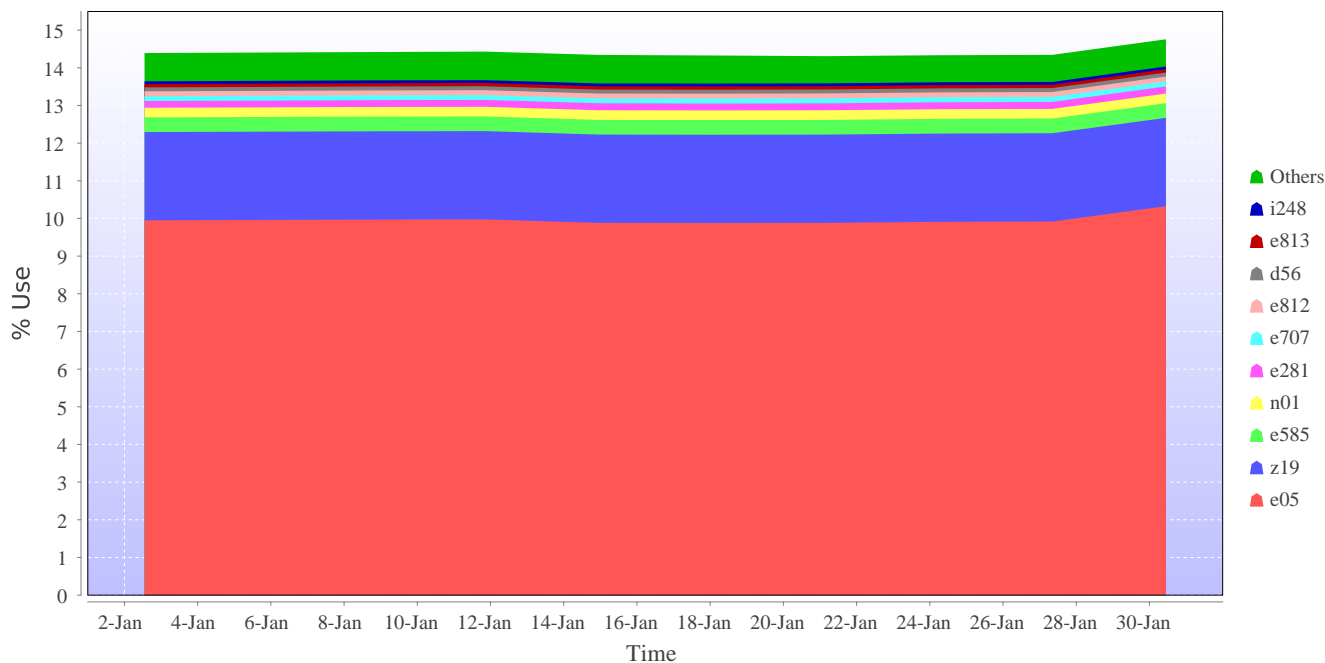
Disk usage for home (a2fs-home1)

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)

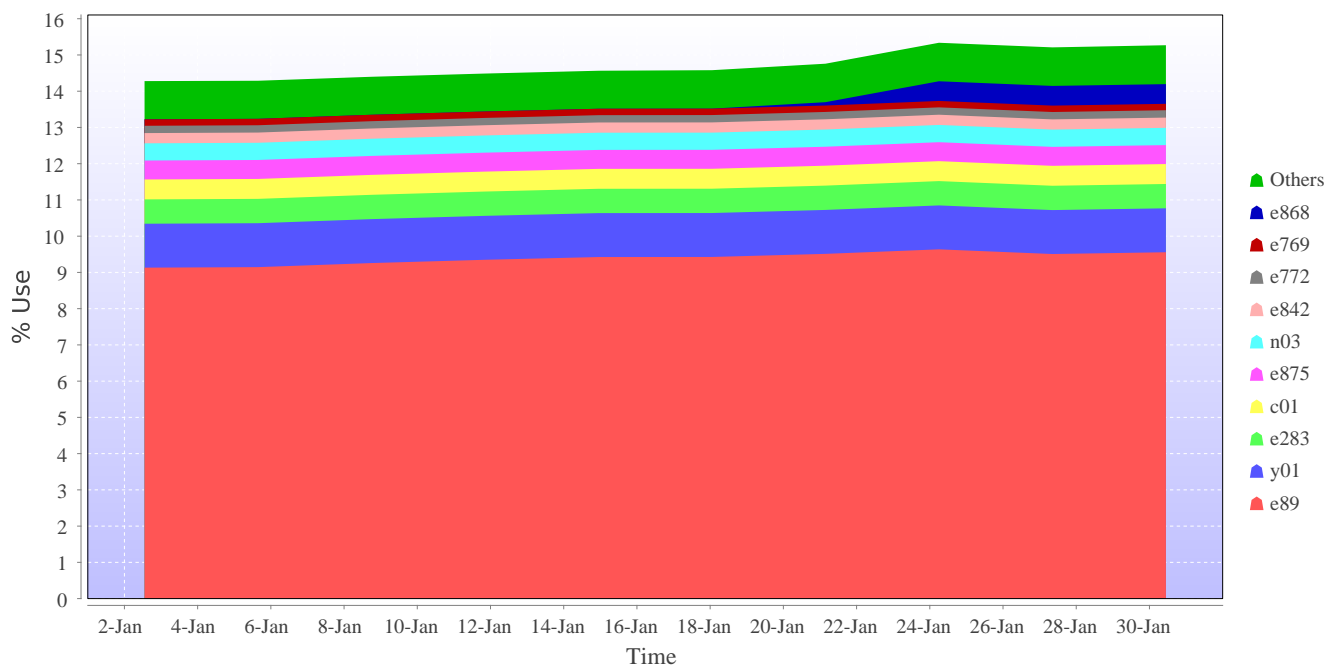
This is a plot of Disk Use on a2fs-home2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



a2fs-home2

Disk usage for home (a2fs-home3)

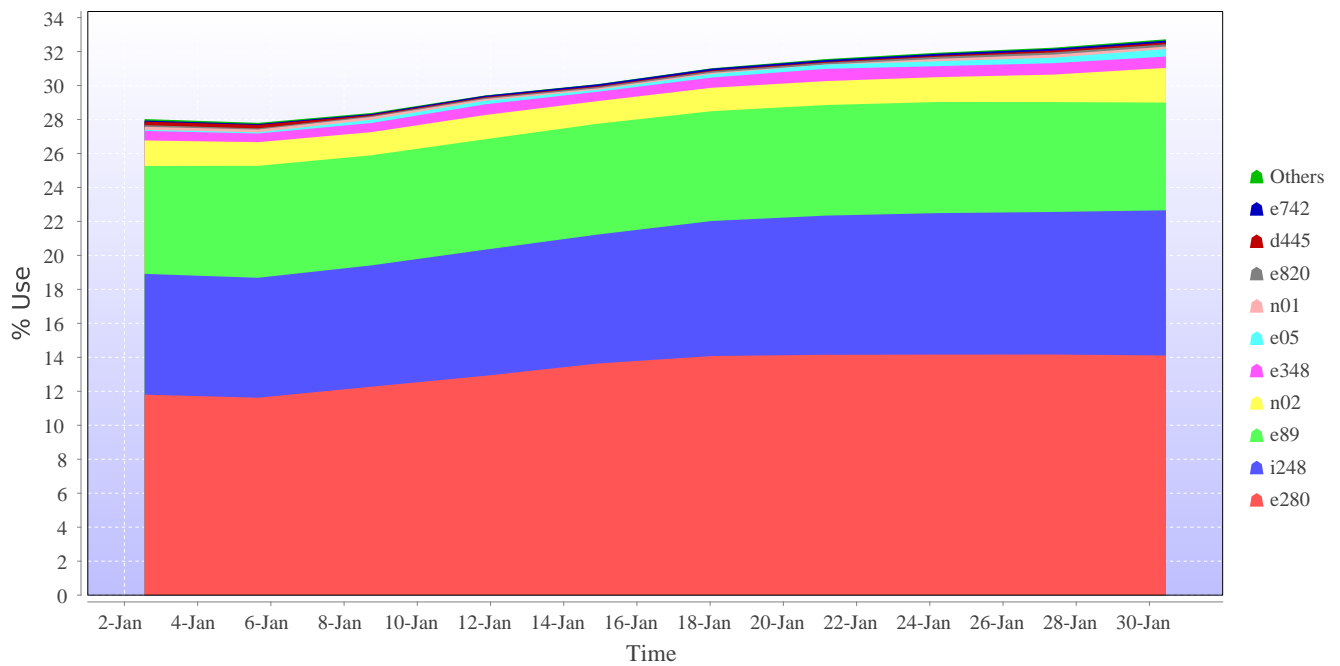
This is a plot of Disk Use on a2fs-home3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



a2fs-home3

Disk usage for scratch (a2fs-nvme)

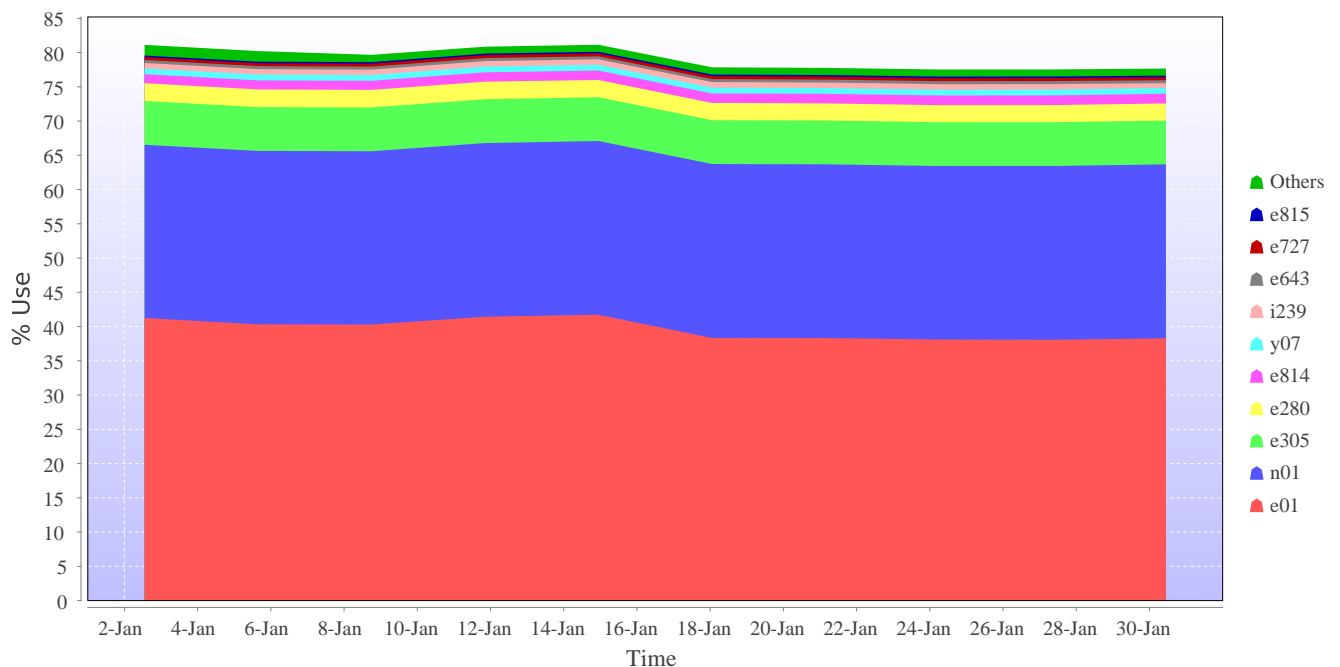
This is a plot of Disk Use on a2fs-nvme against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



a2fs-nvme

Disk usage for work (a2fs-work1)

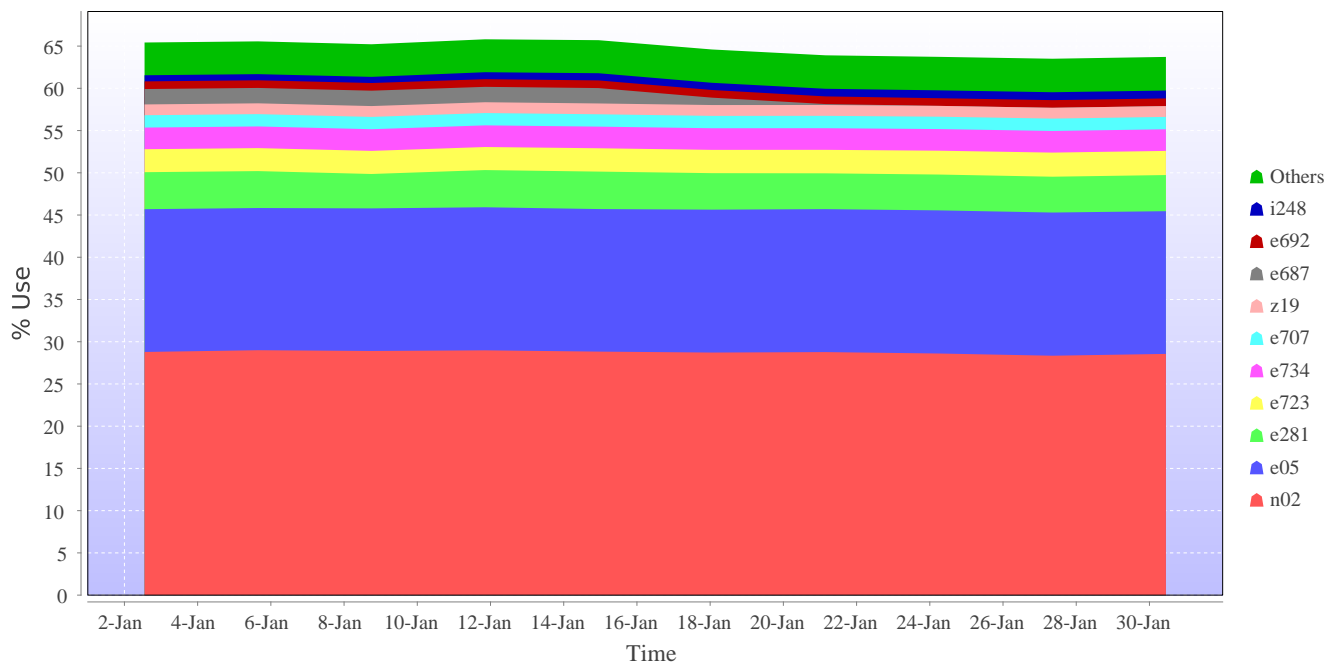
This is a plot of Disk Use on a2fs-work1 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



a2fs-work1

Disk usage for work (a2fs-work2)

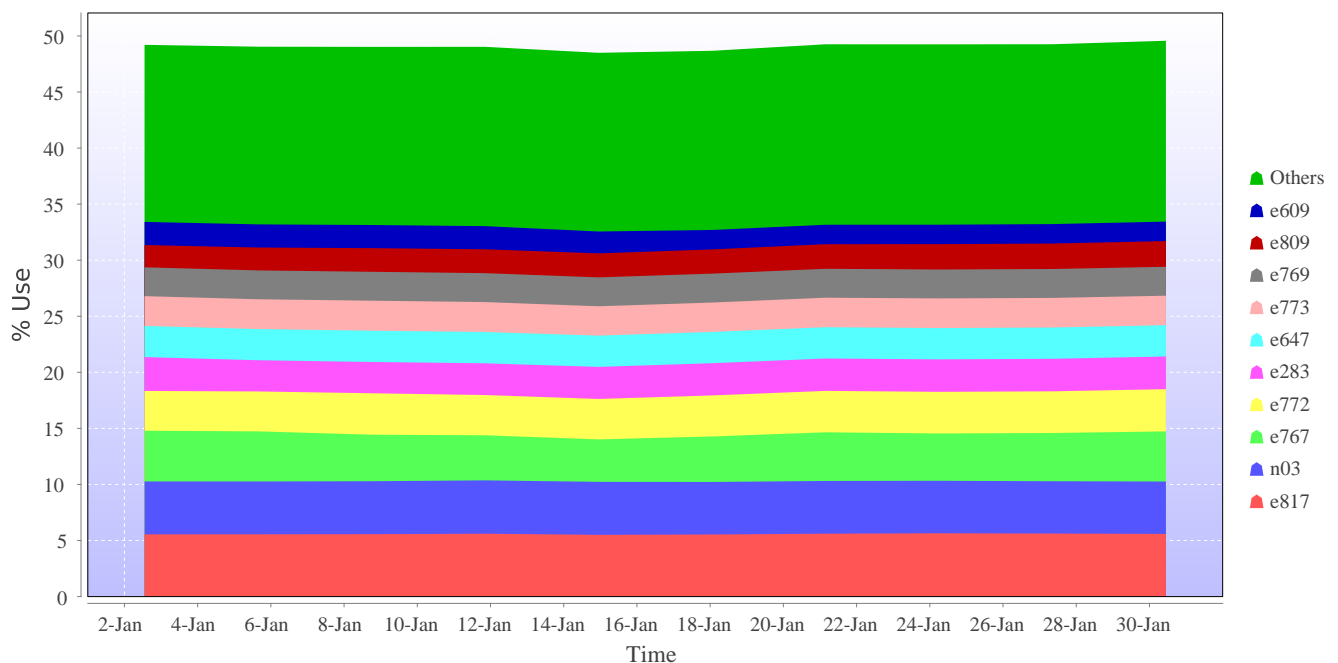
This is a plot of Disk Use on a2fs-work2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



a2fs-work2

Disk usage for work (a2fs-work3)

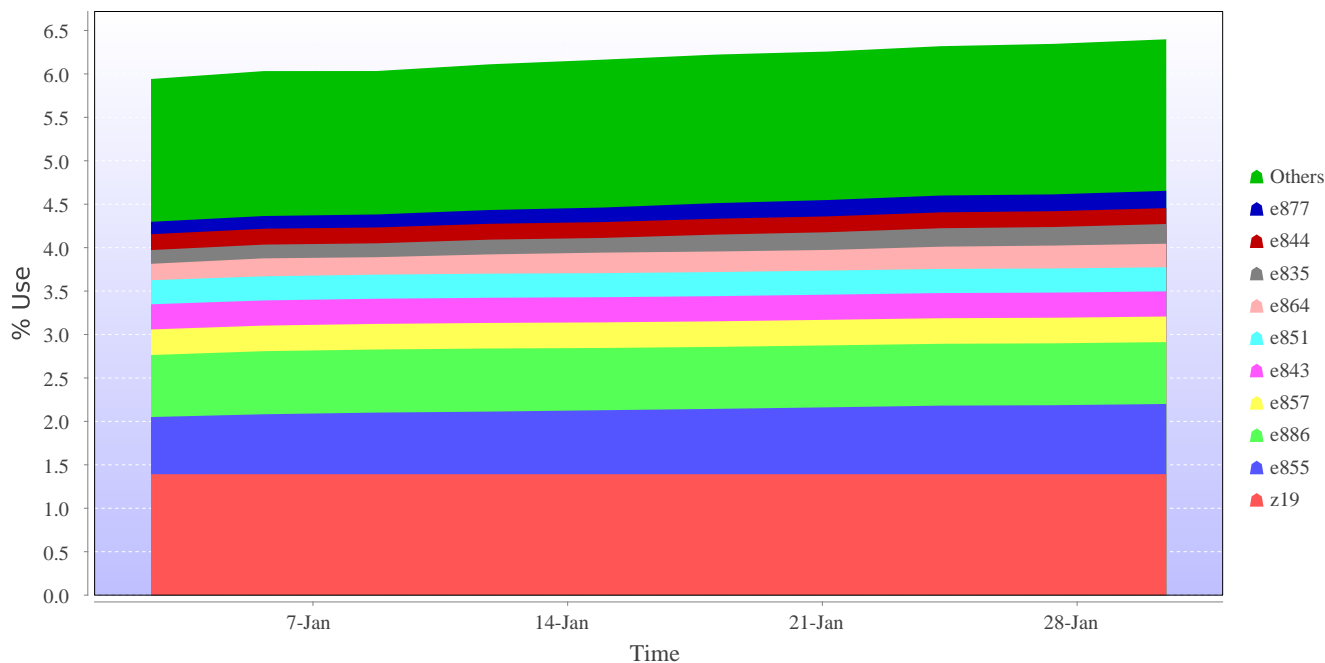
This is a plot of Disk Use on a2fs-work3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



a2fs-work3

Disk usage for work (a2fs-work4)

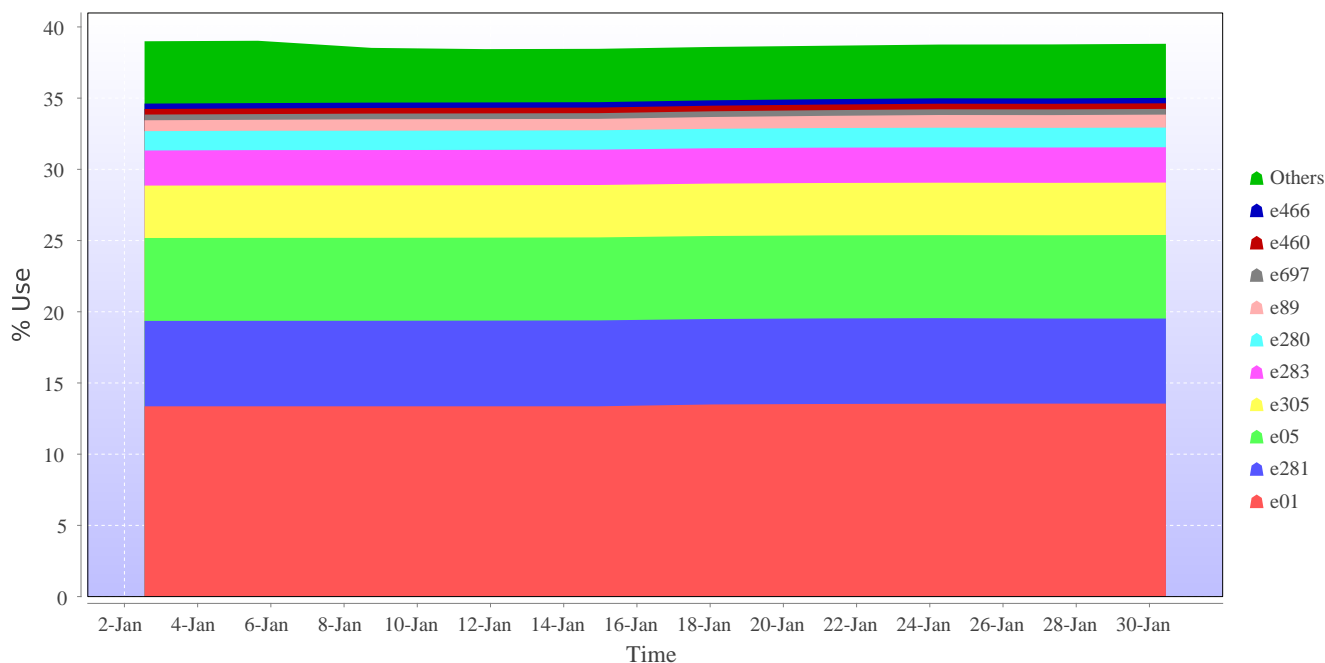
This is a plot of Disk Use on a2fs-work4 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



a2fs-work4

Disk usage for epsrc (rdfaas_epsrc)

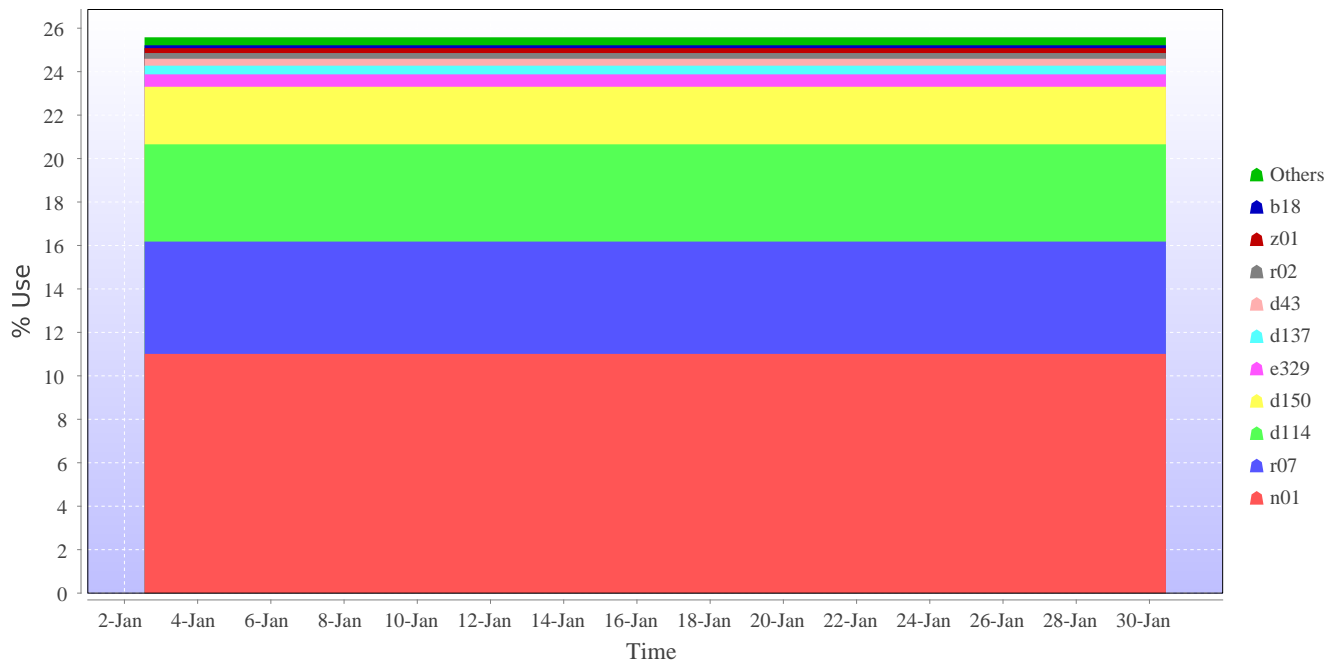
This is a plot of Disk Use on rdfaas_epsrc against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



rdfaas_epsrc

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.



rdfaas_general