

Monthly Reporting

Report from 01 July 2021 to 31 July 2021

Report for Resource Pool Archer2 on archer2-4c

A total of 761,856 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.

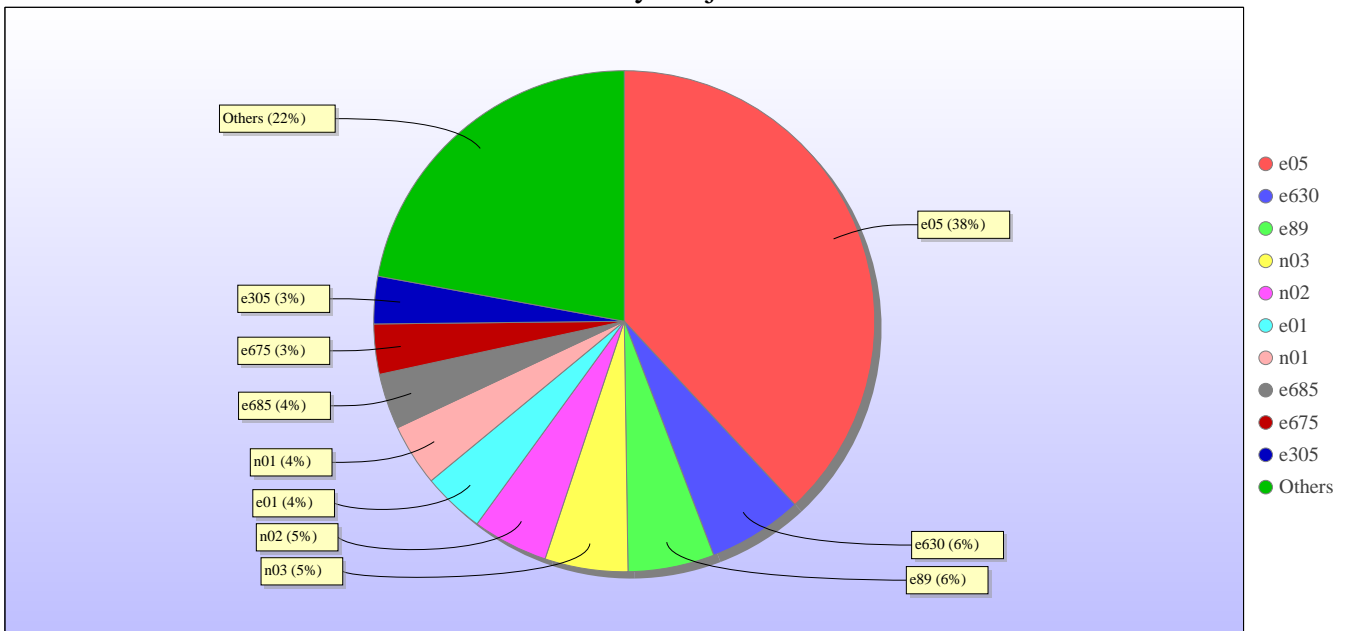
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
ecseaa13	Early use	0	0.0	0.00%	0.0	0.00%	154.6	0.02%
e683	Pioneer Projects	1,472	10,042.6	1.32%	10,049.5	1.32%	9,377.5	1.23%
e685	Pioneer Projects	64	21,820.4	2.86%	21,820.4	2.86%	31,254.1	4.10%
e686	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	29.0	0.00%
e687	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	50.4	0.01%
e688	Pioneer Projects	501	2,220.5	0.29%	2,220.5	0.29%	22,318.3	2.93%
e689	Pioneer Projects	25	41.3	0.01%	41.3	0.01%	25,771.3	3.38%
e690	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	25,266.0	3.32%
e691	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	14.5	0.00%
e692	Pioneer Projects	11	0.1	0.00%	0.1	0.00%	19,444.7	2.55%
e693	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	8,422.0	1.11%
E635	Class1a	284	1,770.4	0.23%	1,962.4	0.26%	3,352.3	0.44%
c01	Class1a	2,766	2,693.2	0.35%	2,693.2	0.35%	57,606.5	7.56%
e432	Class1a	45	1,167.9	0.15%	1,167.9	0.15%	5,220.8	0.69%
e480	Class1a	0	0.0	0.00%	0.0	0.00%	60.0	0.01%
e537	Class1a	0	0.0	0.00%	0.0	0.00%	1,245.7	0.16%
e569	Class1a	0	0.0	0.00%	0.0	0.00%	2,586.4	0.34%
e575	Class1a	6	42.6	0.01%	42.6	0.01%	1,016.4	0.13%
e606	Class1a	6	0.1	0.00%	0.1	0.00%	7,532.4	0.99%
e607	Class1a	294	12,781.2	1.68%	12,782.3	1.68%	10,618.2	1.39%
e608	Class1a	52	6,895.6	0.91%	6,895.6	0.91%	3,217.3	0.42%
e609	Class1a	233	644.2	0.08%	644.2	0.08%	3,241.3	0.43%
e610	Class1a	8	150.0	0.02%	150.0	0.02%	2,336.9	0.31%
e613	Class1a	84	699.3	0.09%	699.3	0.09%	874.8	0.11%
e627	Class1a	449	10,845.7	1.42%	11,272.8	1.48%	8,469.9	1.11%
e630	Class1a	97	37,223.2	4.89%	37,223.2	4.89%	13,336.5	1.75%
e637	Class1a	14	16.9	0.00%	16.9	0.00%	1,676.2	0.22%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	5,284.8	0.69%
e643	Class1a	381	141.1	0.02%	141.1	0.02%	5,944.9	0.78%
e645	Class1a	0	0.0	0.00%	0.0	0.00%	2,691.1	0.35%
e647	Class1a	1,452	5,390.2	0.71%	5,390.2	0.71%	9,724.0	1.28%
e648	Class1a	6	22.3	0.00%	22.3	0.00%	2,533.7	0.33%

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e649	Class1a	14	937.4	0.12%	937.4	0.12%	6,706.2	0.88%
e651	Class1a	157	2,274.1	0.30%	2,274.1	0.30%	1,344.3	0.18%
e655	Class1a	0	0.0	0.00%	0.0	0.00%	3,195.9	0.42%
e663	Class1a	295	3,225.4	0.42%	3,272.6	0.43%	2,793.6	0.37%
e667	Class1a	86	633.7	0.08%	633.7	0.08%	3,017.8	0.40%
e668	Class1a	100	1,059.0	0.14%	1,104.9	0.15%	1,922.4	0.25%
e681	Class1a	0	0.0	0.00%	0.0	0.00%	595.1	0.08%
e682	Class1a	17	3.7	0.00%	3.7	0.00%	2,454.3	0.32%
e684	Class1a	27	114.7	0.02%	126.7	0.02%	1,047.2	0.14%
e694	Class1a	142	142.3	0.02%	142.3	0.02%	1,895.4	0.25%
e696	Class1a	10	200.1	0.03%	200.1	0.03%	75.0	0.01%
e697	Class1a	123	2,100.9	0.28%	2,158.9	0.28%	2,935.1	0.39%
e700	Class1a	11	0.4	0.00%	0.4	0.00%	409.1	0.05%
e701	Class1a	279	807.4	0.11%	807.4	0.11%	2,070.5	0.27%
e702	Class1a	75	583.8	0.08%	583.8	0.08%	1,000.2	0.13%
e707	Class1a	23	1,329.3	0.17%	1,329.3	0.17%	4,778.0	0.63%
e708	Class1a	0	0.0	0.00%	0.0	0.00%	50.0	0.01%
e6337	Class1a	63	5,276.9	0.69%	5,277.2	0.69%	2,235.4	0.29%
e01	Consortia	1,220	22,929.9	3.01%	24,427.6	3.21%	51,731.5	6.79%
e05	Consortia	14,121	219,541.1	28.82%	231,838.8	30.43%	193,517.8	25.40%
e89	Consortia	2,353	33,562.4	4.41%	33,936.6	4.45%	75,723.0	9.94%
e280	Consortia	241	7,561.7	0.99%	7,637.1	1.00%	35,560.8	4.67%
e281	Consortia	428	6,331.5	0.83%	6,331.5	0.83%	11,320.5	1.49%
e283	Consortia	2,168	11,779.4	1.55%	11,779.6	1.55%	9,985.4	1.31%
e305	Consortia	641	17,050.7	2.24%	18,625.9	2.44%	21,431.9	2.81%
e585	Consortia	1,074	5,758.9	0.76%	5,758.9	0.76%	22,354.0	2.93%
e695	Pump Priming	0	0.0	0.00%	0.0	0.00%	128.5	0.02%
e698	Pump Priming	51	67.5	0.01%	67.5	0.01%	134.8	0.02%
e699	Pump Priming	0	0.0	0.00%	0.0	0.00%	101.6	0.01%
e703	Pump Priming	0	0.0	0.00%	0.0	0.00%	135.5	0.02%
e704	Pump Priming	97	8.4	0.00%	8.4	0.00%	129.8	0.02%
e709	Pump Priming	38	49.9	0.01%	49.9	0.01%	115.3	0.02%
e348	Direct Access: ARCHER RAP	1,040	7,428.5	0.98%	7,452.5	0.98%	3,063.5	0.40%
e507	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	2,254.2	0.30%
e566	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	60.0	0.01%
e664	Direct Access: ARCHER RAP	9	4.3	0.00%	4.3	0.00%	894.0	0.12%
e672	Direct Access: ARCHER RAP	372	985.0	0.13%	985.0	0.13%	2,293.9	0.30%
e676	Direct Access: ARCHER RAP	9	384.2	0.05%	384.2	0.05%	3,452.4	0.45%
e677	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	6,537.8	0.86%
e632	Instant Access	178	2,078.0	0.27%	2,078.0	0.27%	4,869.1	0.64%
e669	Instant Access	0	0.0	0.00%	0.0	0.00%	81.0	0.01%
ecseaa12	eCSE	0	0.0	0.00%	0.0	0.00%	67.9	0.01%
ta021	Training	0	0.0	0.00%	0.0	0.00%	63.9	0.01%
ta026	Training	16	0.1	0.00%	0.1	0.00%	63.5	0.01%
ta027	Training	53	0.2	0.00%	0.2	0.00%	84.9	0.01%
ta028	Training	0	0.0	0.00%	0.0	0.00%	63.8	0.01%
ta030	Training	0	0.0	0.00%	0.0	0.00%	469.7	0.06%
ta031	Training	248	17.1	0.00%	17.1	0.00%	469.7	0.06%
ta032	Training	33	0.2	0.00%	0.2	0.00%	449.3	0.06%
ta033	Training	249	8.7	0.00%	8.7	0.00%	469.7	0.06%
ec110	Tier2 RAP	0	0.0	0.00%	0.0	0.00%	227.1	0.03%
e596	Access to HPC	0	0.0	0.00%	0.0	0.00%	1,127.1	0.15%
e673	Access to HPC	292	688.0	0.09%	688.0	0.09%	4,508.4	0.59%
e674	Access to HPC	18	481.3	0.06%	481.3	0.06%	2,195.0	0.29%
e675	Access to HPC	444	19,663.9	2.58%	19,663.9	2.58%	11,902.2	1.56%
e678	Access to HPC	87	82.8	0.01%	82.8	0.01%	811.5	0.11%
e679	Access to HPC	144	1,203.4	0.16%	1,203.4	0.16%	3,246.1	0.43%

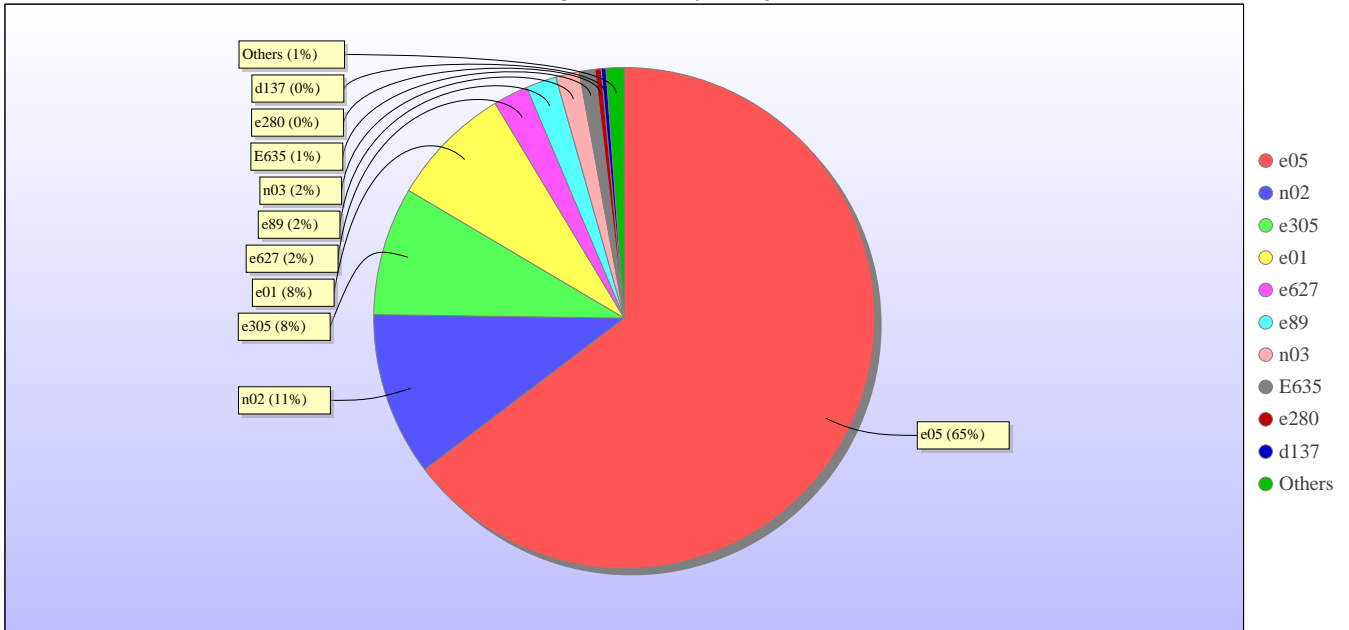
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e680	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,381.3	0.44%
e705	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,037.8	0.27%
EPSRC Total		35,296	490,964.8	64.44%	507,599.9	66.63%	806,713.6	105.89%
n01	Consortia	2,240	24,364.1	3.20%	24,364.6	3.20%	153,980.8	20.21%
n02	Consortia	10,750	27,699.3	3.64%	29,704.9	3.90%	439,265.8	57.66%
n03	Consortia	2,677	32,350.0	4.25%	32,639.5	4.28%	112,364.4	14.75%
NERC Total		15,667	84,413.3	11.08%	86,709.1	11.38%	705,611.0	92.62%
e621	Class1a	0	0.0	0.00%	0.0	0.00%	3,939.9	0.52%
BBSRC Total		0	0.0	0.00%	0.0	0.00%	3,939.9	0.52%
pr1u1651	DECI: EXEC	5	618.0	0.08%	618.0	0.08%	801.2	0.11%
pr1u1652	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2,580.1	0.34%
pr1u1653	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2,685.4	0.35%
pr1u1654	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	549.6	0.07%
pr1u1655	DECI: EXEC	856	2,761.5	0.36%	2,761.5	0.36%	4,233.7	0.56%
pr1u1656	DECI: EXEC	1,597	3,800.1	0.50%	3,800.1	0.50%	4,271.8	0.56%
pr1u1657	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	509.5	0.07%
pr1u1658	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2,238.0	0.29%
pr1u1659	DECI: EXEC	355	548.2	0.07%	568.5	0.07%	1,581.7	0.21%
pr1u1751	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	1,621.7	0.21%
pr1u1752	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	1,927.1	0.25%
pr1u1753	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2,289.4	0.30%
pr1u1754	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2,649.8	0.35%
pr1u1755	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	1,734.4	0.23%
pr1u1756	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	4,089.0	0.54%
pr1u1757	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	916.8	0.12%
pr1u1758	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	715.4	0.09%
pr1u1759	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	1,540.7	0.20%
pr1u1760	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	578.1	0.08%
pr1u1601	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1602	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1603	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1604	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1605	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1606	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1608	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1609	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1610	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1611	DECI: HOME	0	0.0	0.00%	0.0	0.00%	83.3	0.01%
pr1u1702	DECI: HOME	266	1,208.6	0.16%	1,213.5	0.16%	1,702.7	0.22%
pr1u1707	DECI: HOME	25	3.2	0.00%	3.2	0.00%	1,475.4	0.19%
pr1ush01	DECI: HOME	0	0.0	0.00%	0.0	0.00%	611.6	0.08%
pr1ushpc	DECI: HOME	969	189.3	0.02%	189.3	0.02%	82.9	0.01%
PRACE Total		4,073	9,128.7	1.20%	9,153.9	1.20%	41,470.3	5.44%
ecseaa06	eCSE	0	0.0	0.00%	0.0	0.00%	154.6	0.02%
ecseaa09	eCSE	0	0.0	0.00%	0.0	0.00%	77.3	0.01%
ecseaa11	eCSE	0	0.0	0.00%	0.0	0.00%	65.9	0.01%
ecseaa14	eCSE	0	0.0	0.00%	0.0	0.00%	199.0	0.03%
ecseaa16	eCSE	0	0.0	0.00%	0.0	0.00%	198.1	0.03%
ecseaa19	eCSE	0	0.0	0.00%	0.0	0.00%	86.3	0.01%
ecseaa20	eCSE	138	7.3	0.00%	7.3	0.00%	250.4	0.03%
ecseaa21	eCSE	0	0.0	0.00%	0.0	0.00%	68.6	0.01%
ecseaa22	eCSE	0	0.0	0.00%	0.0	0.00%	174.3	0.02%
ecseaa26	eCSE	168	408.7	0.05%	408.7	0.05%	37.2	0.00%
ecseaa28	eCSE	0	0.0	0.00%	0.0	0.00%	80.2	0.01%
ecseab02	eCSE	0	0.0	0.00%	0.0	0.00%	93.1	0.01%
ecseab03	eCSE	0	0.0	0.00%	0.0	0.00%	126.1	0.02%
ecseab04	eCSE	0	0.0	0.00%	0.0	0.00%	58.8	0.01%
ecseab06	eCSE	21	4.4	0.00%	4.4	0.00%	16.9	0.00%
ecseab11	eCSE	78	3.5	0.00%	3.5	0.00%	19.0	0.00%
ecseab12	eCSE	0	0.0	0.00%	0.0	0.00%	63.0	0.01%
ecseab13	eCSE	33	10.2	0.00%	10.2	0.00%	49.5	0.01%
ecseac02	eCSE	0	0.0	0.00%	0.0	0.00%	56.9	0.01%
ecseac04	eCSE	2	0.0	0.00%	0.0	0.00%	101.4	0.01%

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ecseac06	eCSE	0	0.0	0.00%	0.0	0.00%	63.5	0.01%
ecseac10	eCSE	0	0.0	0.00%	0.0	0.00%	91.2	0.01%
ecsead07	eCSE	0	0.0	0.00%	0.0	0.00%	53.2	0.01%
eCSE Total		440	434.0	0.06%	434.0	0.06%	2,184.3	0.29%
d35	Research	0	0.0	0.00%	0.0	0.00%	144.2	0.02%
d56	Research	76	146.3	0.02%	146.3	0.02%	7,242.9	0.95%
d118	Research	55	4.7	0.00%	4.7	0.00%	792.7	0.10%
d137	Research	3	43.6	0.01%	102.2	0.01%	1,667.6	0.22%
d142	Research	83	346.6	0.05%	346.6	0.05%	1,883.8	0.25%
d155	Research	36	293.9	0.04%	293.9	0.04%	9,025.3	1.18%
d175	Research	12	0.2	0.00%	0.3	0.00%	677.4	0.09%
d428	Research	0	0.0	0.00%	0.0	0.00%	71.3	0.01%
d429	Research	417	1,512.3	0.20%	1,512.3	0.20%	2,350.0	0.31%
d432	Industrial	0	0.0	0.00%	0.0	0.00%	2,089.0	0.27%
d433	Industrial	0	0.0	0.00%	0.0	0.00%	115.6	0.02%
i18	Industrial	4	0.0	0.00%	0.0	0.00%	2,689.1	0.35%
i21	Industrial	32	16.6	0.00%	16.6	0.00%	2,375.6	0.31%
i236	Industrial	2	0.1	0.00%	0.1	0.00%	127.0	0.02%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	531.8	0.07%
i239	Industrial	0	0.0	0.00%	0.0	0.00%	674.7	0.09%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	1.1	0.00%
d174	Training	1,683	416.9	0.05%	416.9	0.05%	506.5	0.07%
ta029	Training	0	0.0	0.00%	0.0	0.00%	40.9	0.01%
y02	Service	331	50.8	0.01%	50.8	0.01%	112.7	0.01%
y23	Service	47	2.7	0.00%	2.7	0.00%	168.4	0.02%
z19	Service	544	1,998.2	0.26%	1,998.2	0.26%	16,939.9	2.22%
z99	Service	0	0.0	0.00%	0.0	0.00%	1.7	0.00%
sc004	UoE Access	0	0.0	0.00%	0.0	0.00%	11.4	0.00%
DirectorsTime Total		3,325	4,833.0	0.63%	4,891.7	0.64%	50,240.6	6.59%
y07	Service	48	112.1	0.01%	112.1	0.01%	169.9	0.02%
z01	Service	0	0.0	0.00%	0.0	0.00%	84.9	0.01%
z02	Service	1	0.0	0.00%	0.0	0.00%	678.3	0.09%
CSE Total		49	112.2	0.01%	112.2	0.01%	933.1	0.12%
z31	Service	0	0.0	0.00%	0.0	0.00%	100.0	0.01%
Internal Total		0	0.0	0.00%	0.0	0.00%	100.0	0.01%
Total		58,850	589,886.0	77.43%	608,900.9	79.92%	1,611,192.8	211.48%

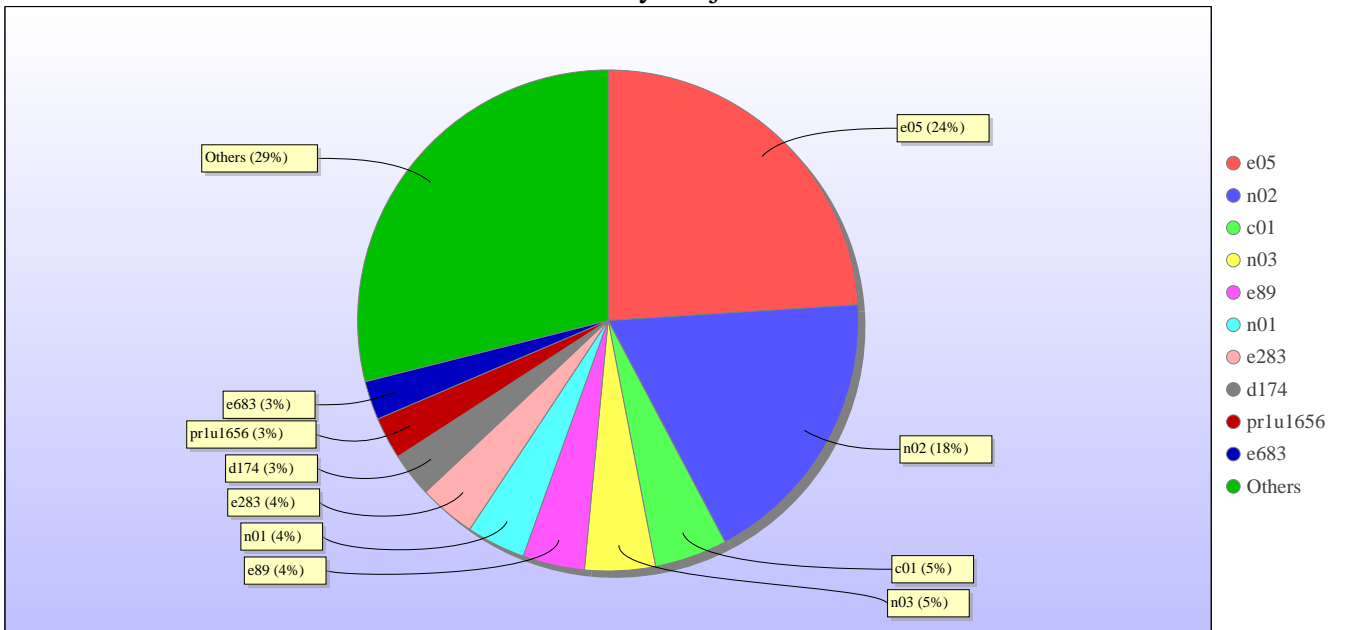
Use by Project



Uncharged Use by Project



Jobs by Project

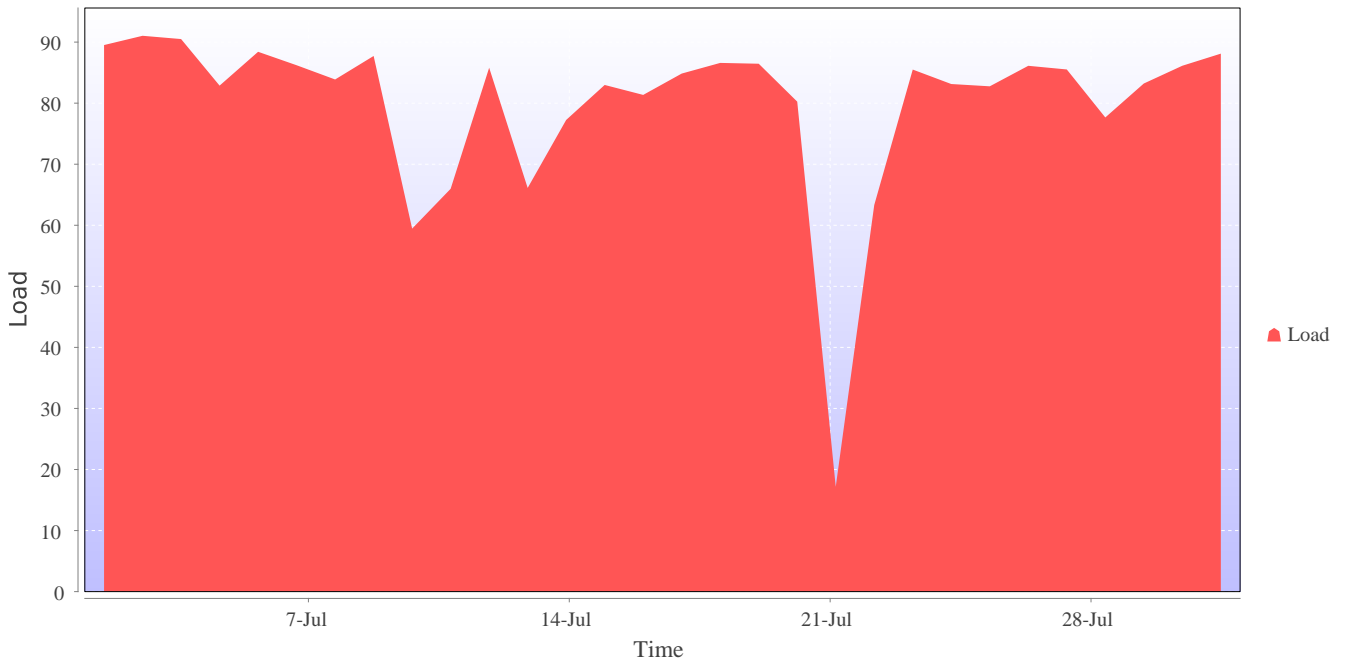


CUs (by Size)

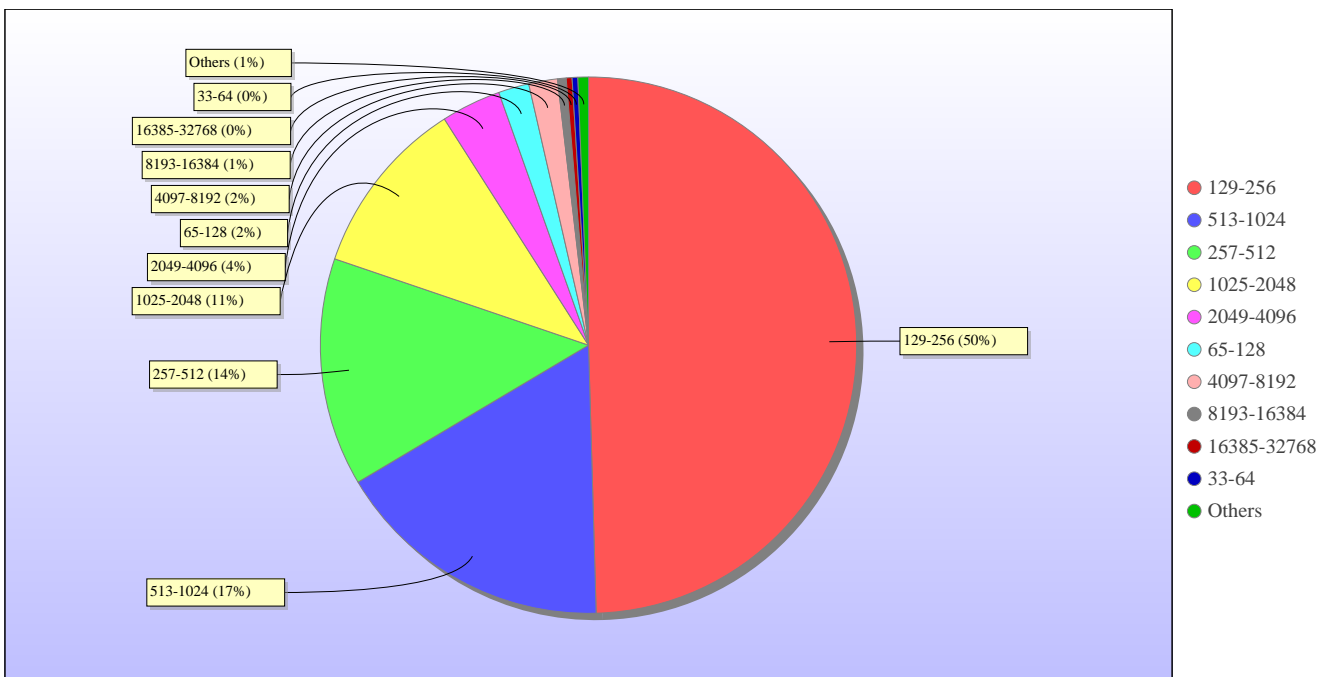
Size	CUs	Number of Jobs
1	0	112
2	0	21
3-4	0	41
5-8	0	27
9-16	0	45
17-32	0	30
33-64	0	203
65-128	0	1,086
129-256	72,333.228	29,158
257-512	45,675.539	8,091
513-1024	86,518.64	9,958

Size	CUs	Number of Jobs
1025-2048	84,541.749	6,328
2049-4096	86,801.473	2,120
4097-8192	123,904.865	1,020
8193-16384	52,952.654	306
16385-32768	30,286.946	207
32769-65536	6,200.169	79
65537-131072	627.2	16
131073-262144	43.556	2

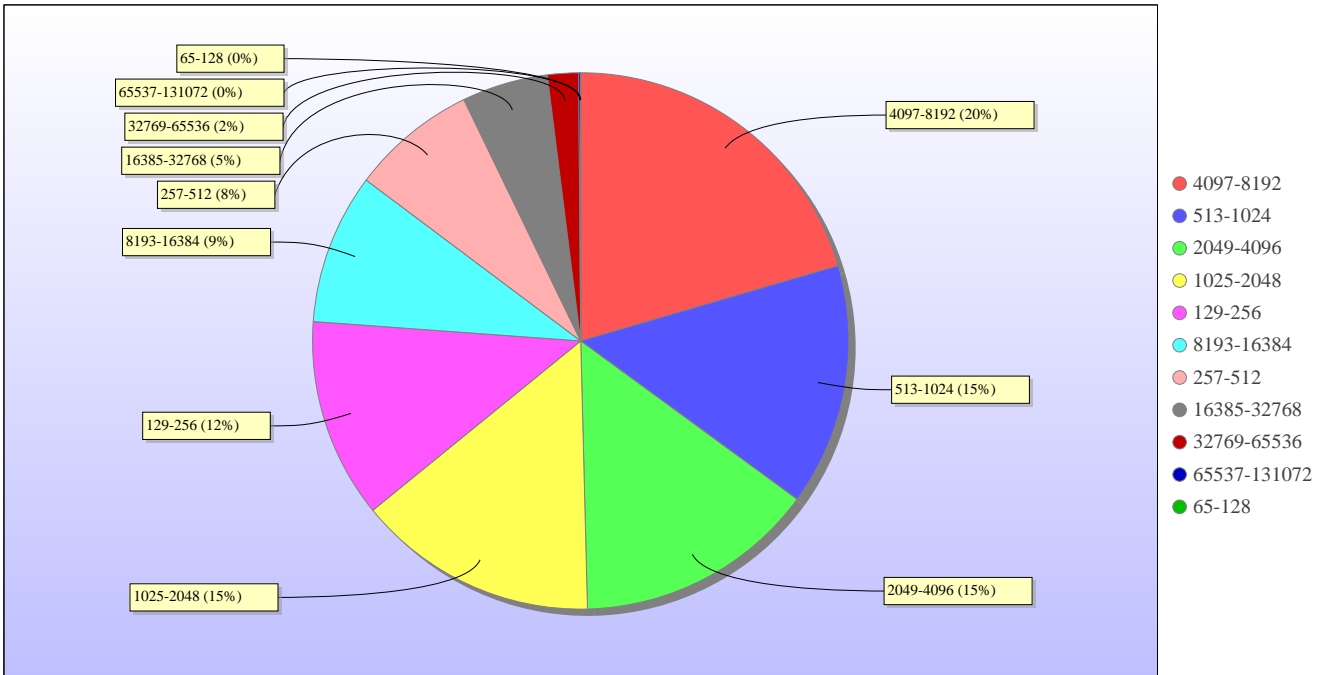
Load plots



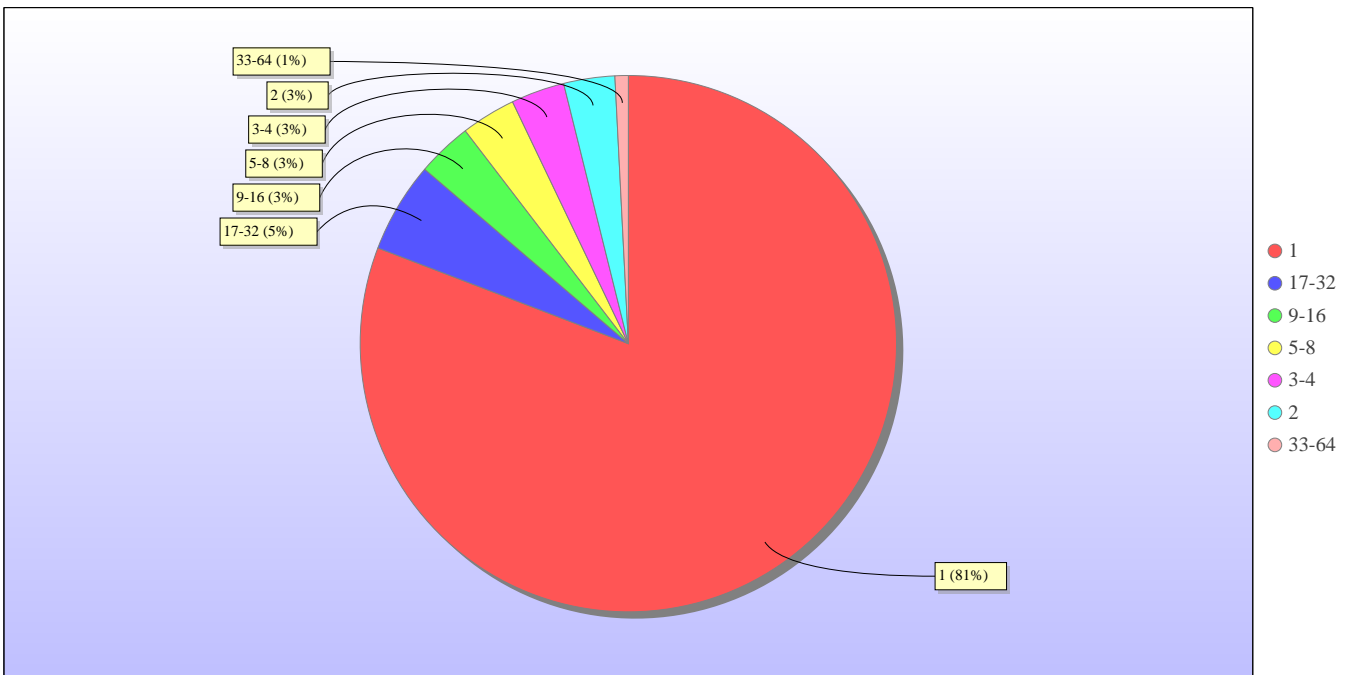
Percentage load on machine



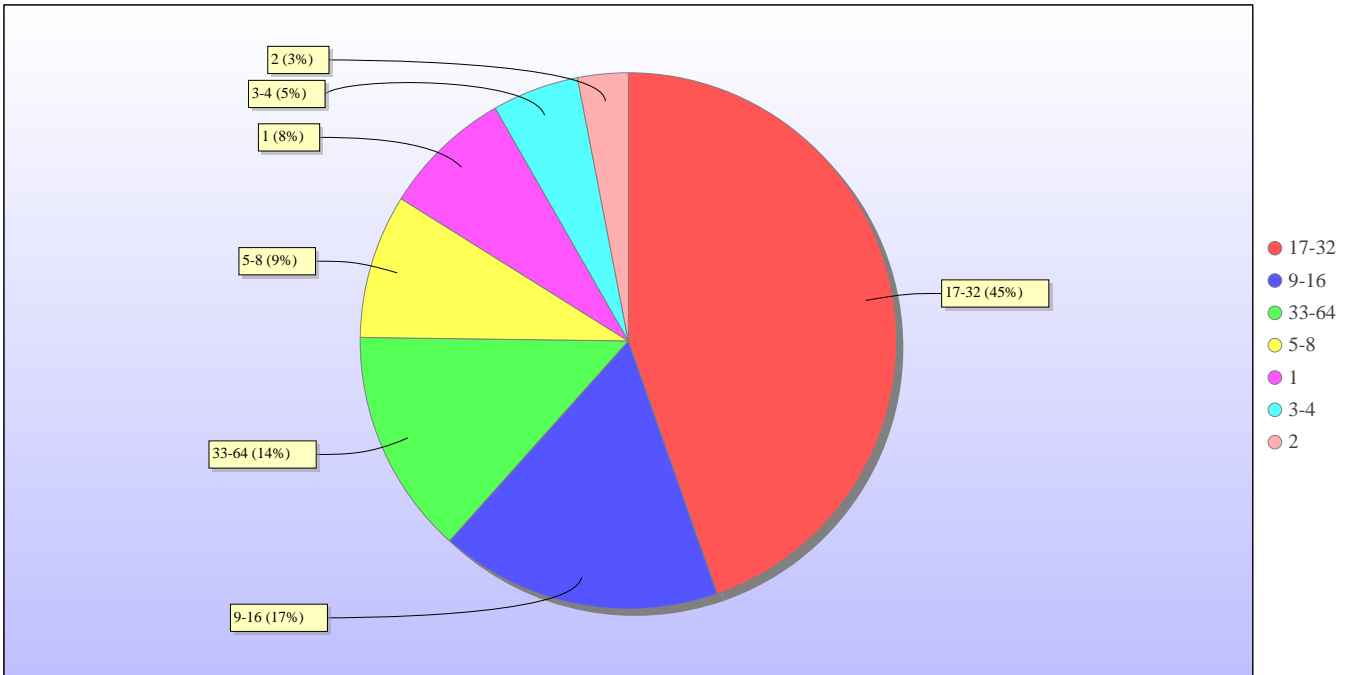
Jobs by Size



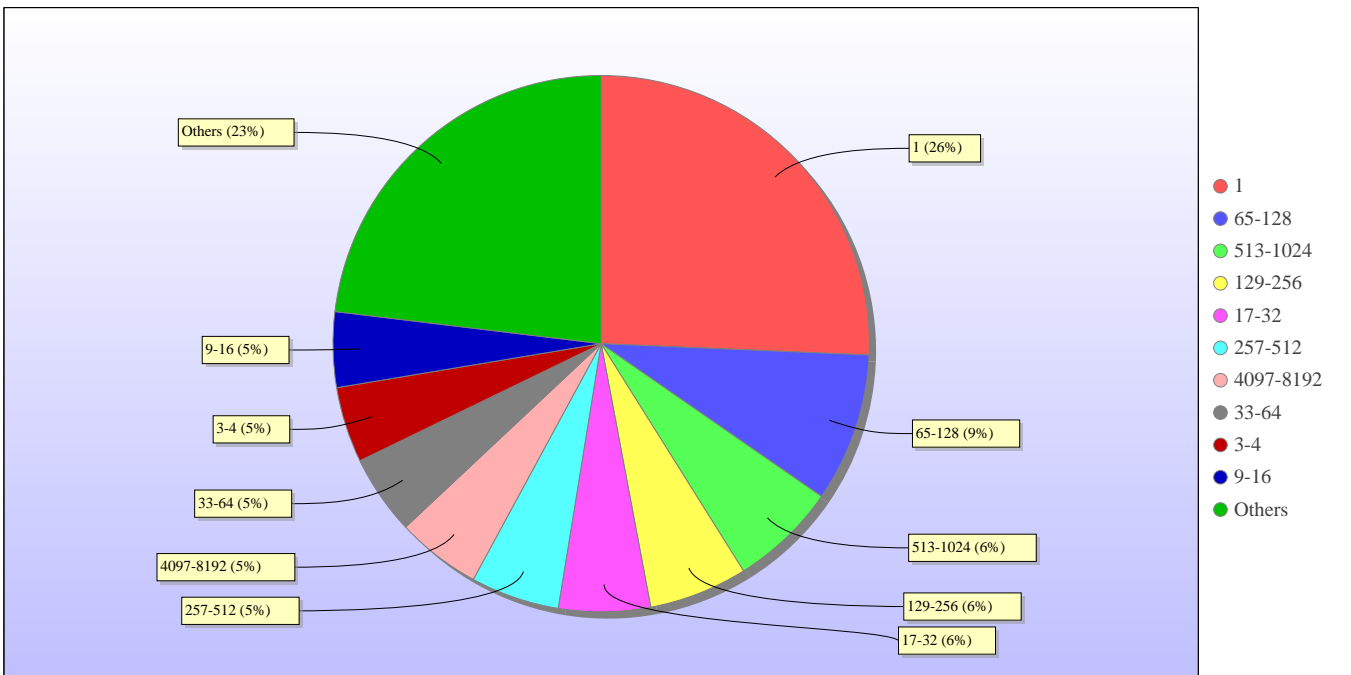
CUs used by Size



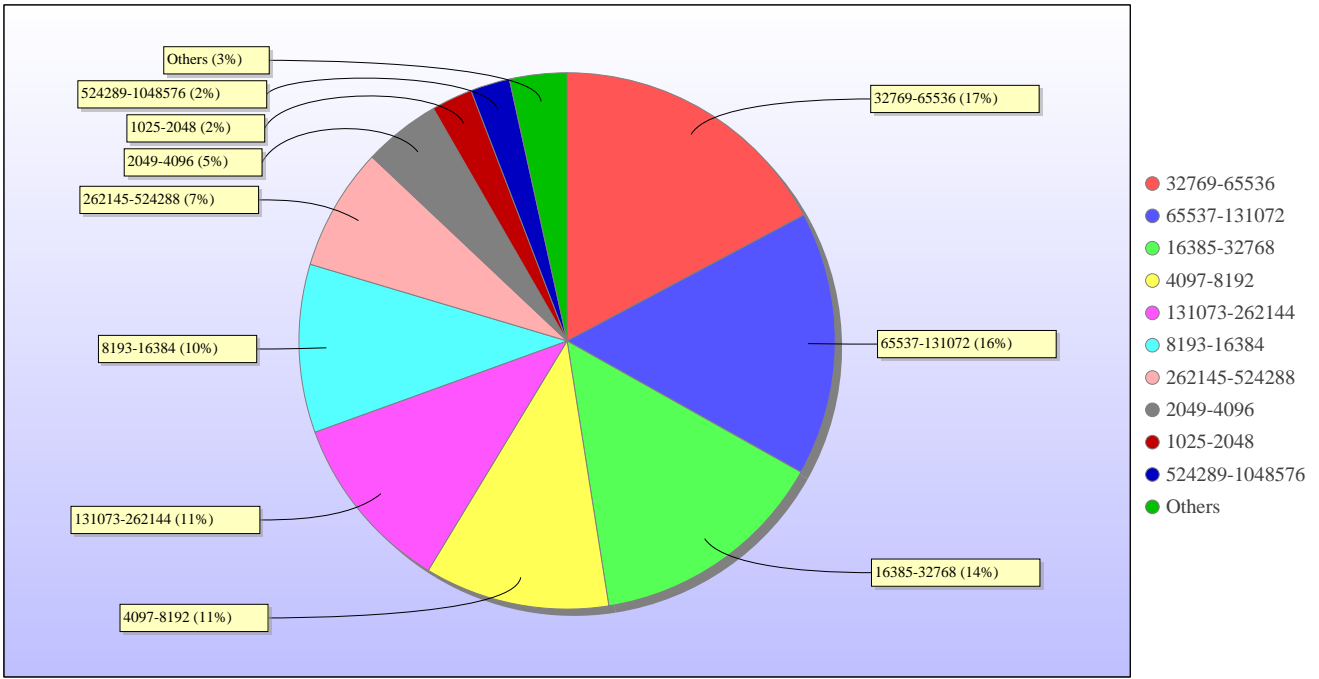
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

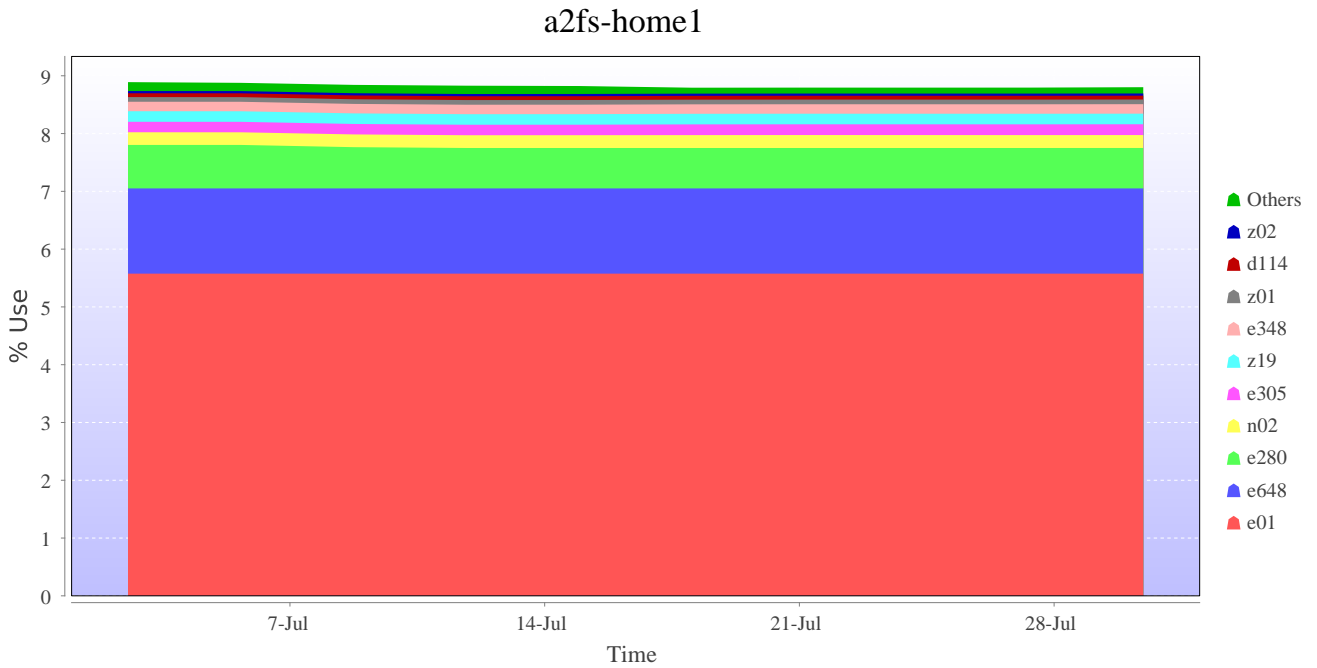


CUs used grouped by core-hours

Disk usage

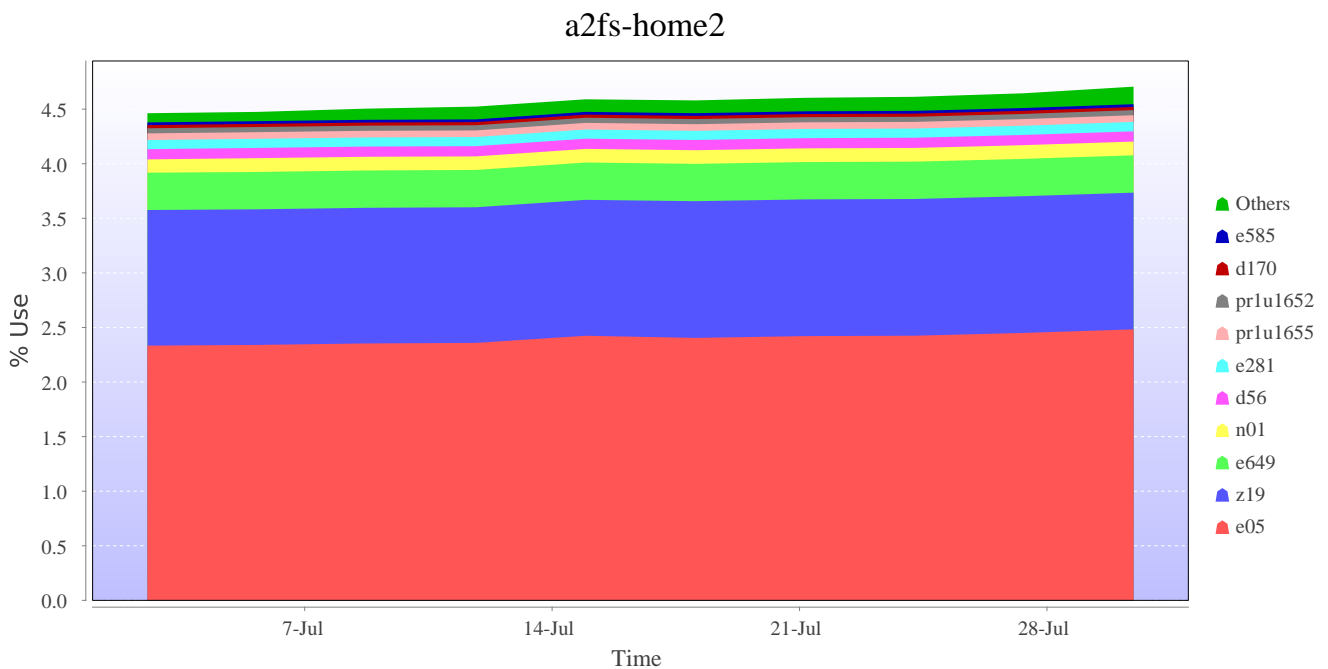
Disk usage for home (a2fs-home1)

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.



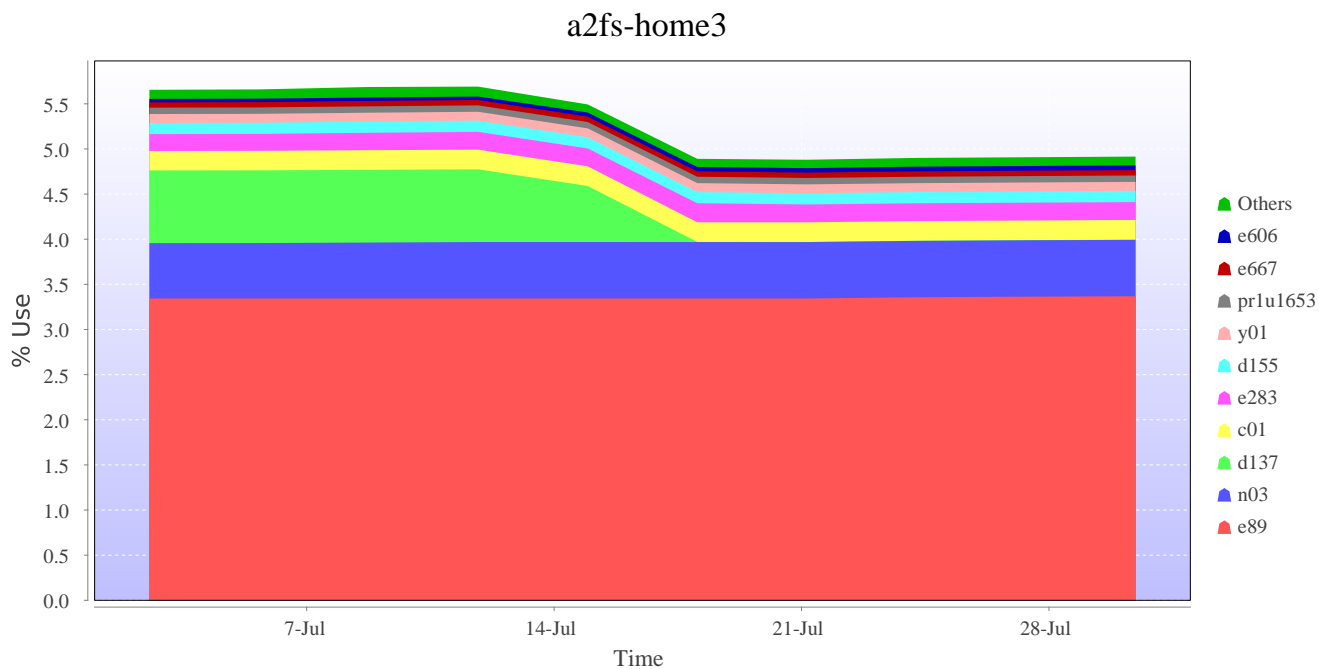
Disk usage for home (a2fs-home2)

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.



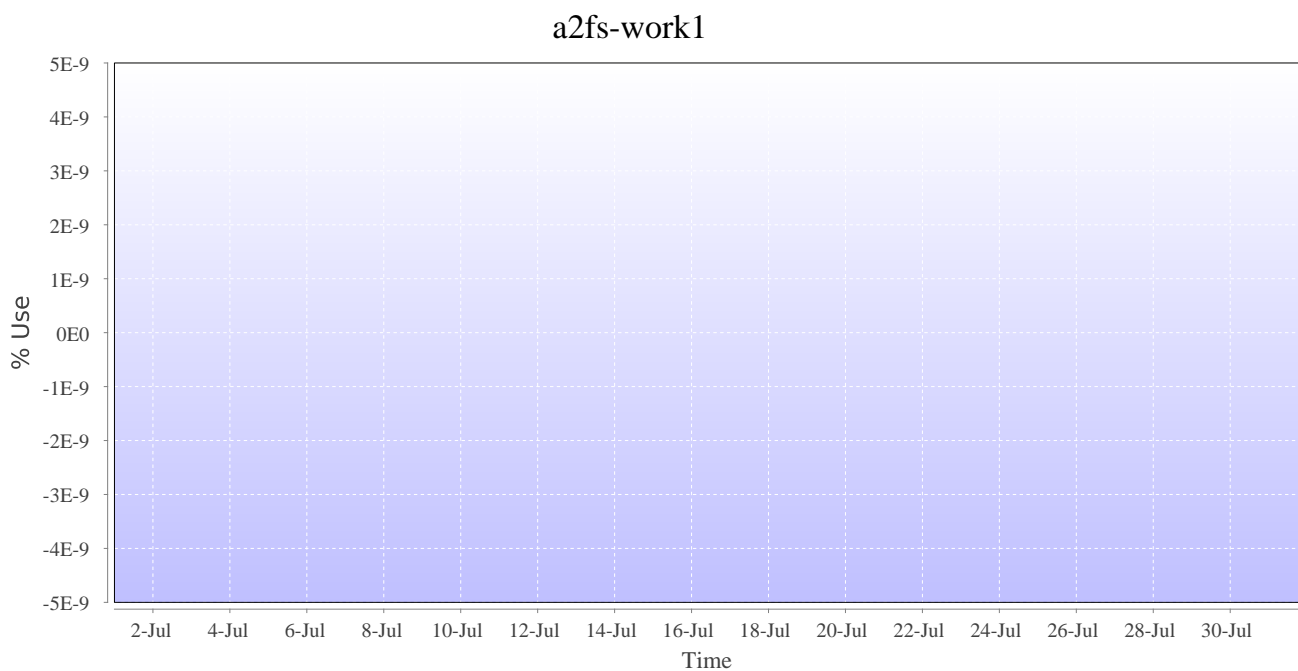
Disk usage for home (a2fs-home3)

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.



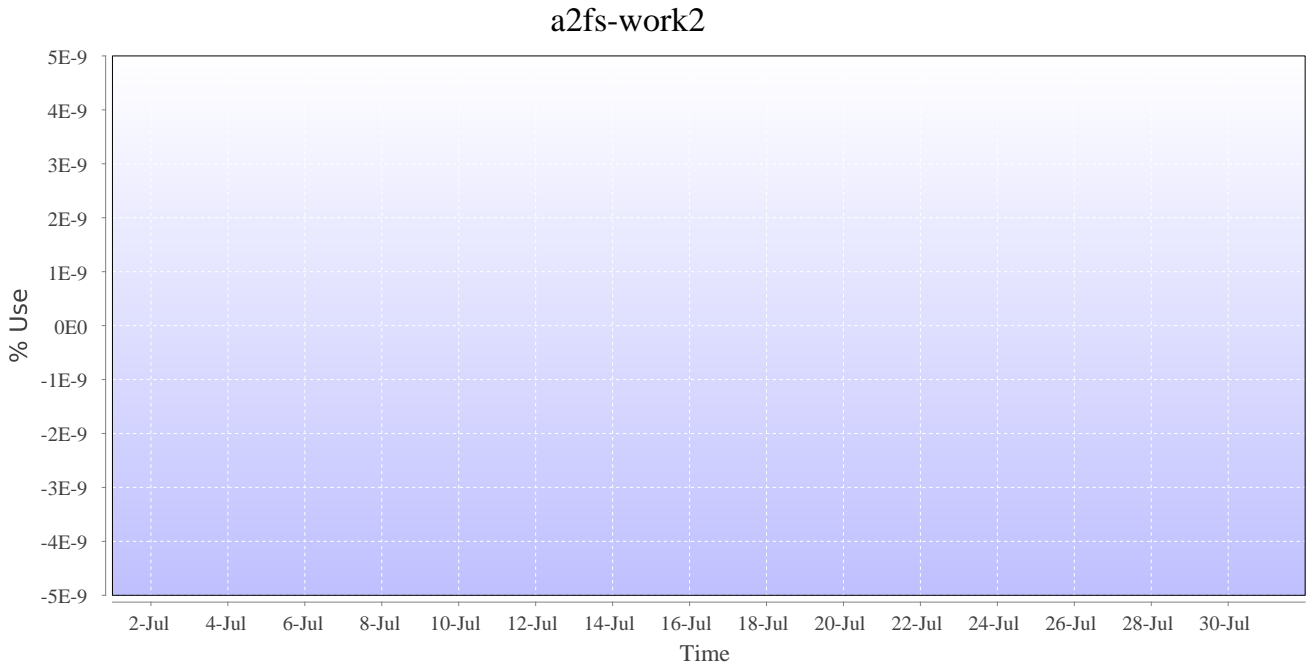
Disk usage for work (a2fs-work1)

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.



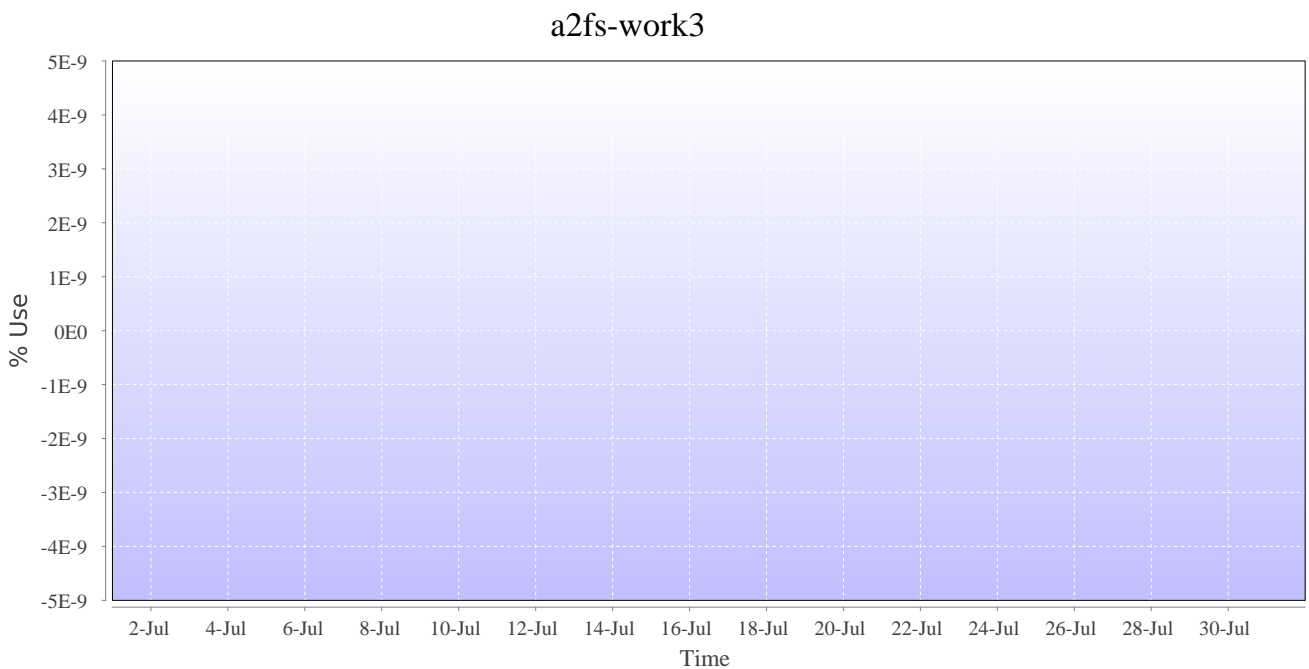
Disk usage for work (a2fs-work2)

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-4cab (archer2-4c-work)

This is a plot of Disk Use on archer2-4c-work 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.

