

Monthly Reporting

Report from 01 November 2021 to 22 November 2021

Report for Resource Pool Archer2 on archer2-4c

A total of 540,672 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.

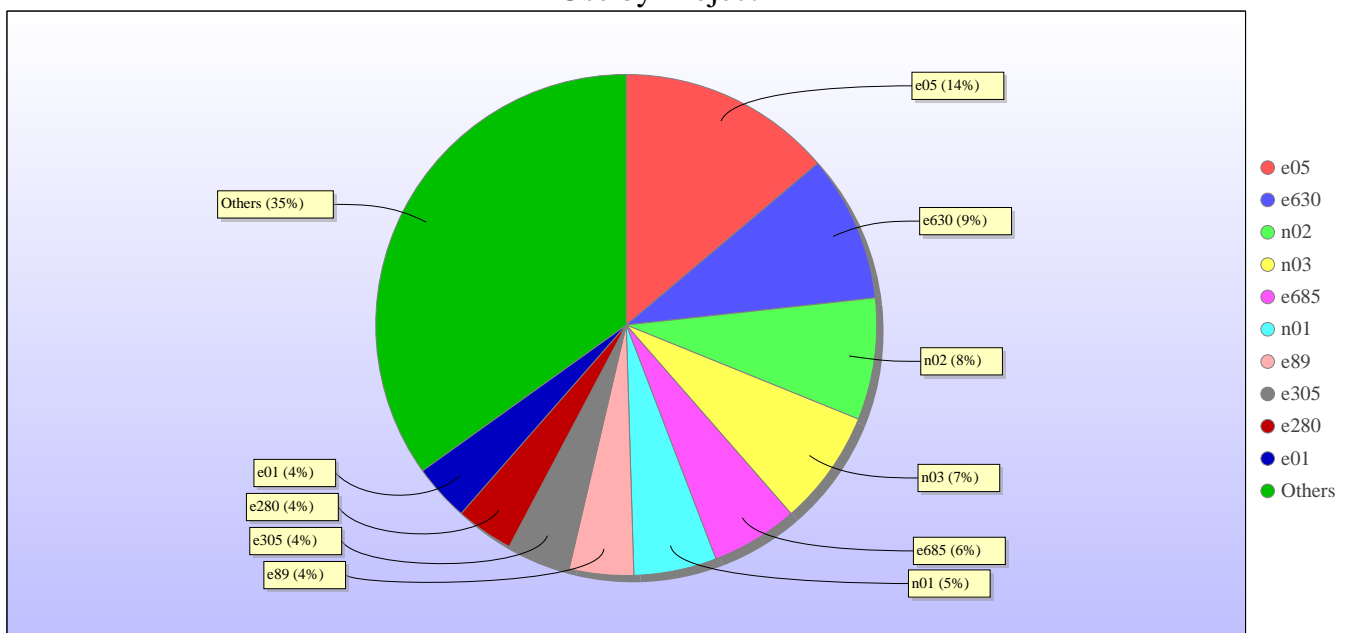
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e683	Pioneer Projects	40	501.9	0.09%	520.0	0.10%	6,655.0	1.23%
e685	Pioneer Projects	480	25,988.7	4.81%	26,906.7	4.98%	17,681.5	3.27%
e686	Pioneer Projects	129	813.4	0.15%	813.4	0.15%	80.0	0.01%
e687	Pioneer Projects	10	554.1	0.10%	554.1	0.10%	239.1	0.04%
e688	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	1,195.4	0.22%
e689	Pioneer Projects	29	0.2	0.00%	0.2	0.00%	23.9	0.00%
e690	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	23.9	0.00%
e691	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	23.9	0.00%
e692	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	59.8	0.01%
e693	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	18,032.8	3.34%
E635	Class1a	67	234.0	0.04%	234.0	0.04%	2,379.1	0.44%
c01	Class1a	612	4,725.4	0.87%	5,021.7	0.93%	22,459.7	4.15%
e348	Class1a	280	1,490.2	0.28%	1,490.2	0.28%	2,650.0	0.49%
e432	Class1a	13	79.8	0.01%	79.8	0.01%	3,725.4	0.69%
e448	Class1a	3,173	9,357.8	1.73%	9,762.0	1.81%	8,591.2	1.59%
e569	Class1a	0	0.0	0.00%	0.0	0.00%	1,835.5	0.34%
e572	Class1a	23	60.6	0.01%	60.6	0.01%	1,417.2	0.26%
e575	Class1a	87	414.7	0.08%	414.7	0.08%	2,075.1	0.38%
e607	Class1a	276	5,677.0	1.05%	5,782.2	1.07%	7,108.9	1.31%
e609	Class1a	38	66.8	0.01%	66.8	0.01%	799.9	0.15%
e613	Class1a	7	687.7	0.13%	687.7	0.13%	592.4	0.11%
e630	Class1a	117	44,664.0	8.26%	45,320.0	8.38%	24,225.5	4.48%
e637	Class1a	0	0.0	0.00%	0.0	0.00%	1,189.5	0.22%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	3,432.3	0.63%
e643	Class1a	407	1,862.8	0.34%	1,956.5	0.36%	3,391.5	0.63%
e645	Class1a	86	102.2	0.02%	102.2	0.02%	1,920.3	0.36%
e647	Class1a	388	7,853.6	1.45%	7,853.6	1.45%	6,639.0	1.23%
e648	Class1a	120	346.3	0.06%	346.3	0.06%	1,145.3	0.21%
e649	Class1a	2	176.9	0.03%	176.9	0.03%	3,589.0	0.66%
e651	Class1a	0	0.0	0.00%	0.0	0.00%	954.0	0.18%
e655	Class1a	309	5,292.3	0.98%	5,292.3	0.98%	3,331.2	0.62%
e663	Class1a	146	1,816.0	0.34%	1,816.0	0.34%	1,982.6	0.37%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e664	Class1a	0	0.0	0.00%	0.0	0.00%	634.4	0.12%
e667	Class1a	56	565.5	0.10%	728.1	0.13%	1,538.0	0.28%
e668	Class1a	0	0.0	0.00%	0.0	0.00%	1,025.3	0.19%
e681	Class1a	198	6.5	0.00%	6.5	0.00%	422.3	0.08%
e682	Class1a	211	2,247.8	0.42%	2,263.3	0.42%	1,741.7	0.32%
e684	Class1a	16	4.8	0.00%	4.8	0.00%	536.4	0.10%
e694	Class1a	0	0.0	0.00%	0.0	0.00%	1,345.2	0.25%
e696	Class1a	12	52.6	0.01%	52.6	0.01%	243.7	0.05%
e697	Class1a	105	6,542.6	1.21%	6,542.6	1.21%	2,083.0	0.39%
e700	Class1a	0	0.0	0.00%	0.0	0.00%	290.4	0.05%
e701	Class1a	19	873.9	0.16%	873.9	0.16%	1,469.4	0.27%
e702	Class1a	28	204.5	0.04%	204.5	0.04%	709.8	0.13%
e706	Class1a	0	0.0	0.00%	0.0	0.00%	90.2	0.02%
e707	Class1a	14	4,335.8	0.80%	4,514.0	0.83%	3,268.7	0.60%
e708	Class1a	0	0.0	0.00%	0.0	0.00%	1,049.9	0.19%
e710	Class1a	0	0.0	0.00%	0.0	0.00%	640.8	0.12%
e712	Class1a	0	0.0	0.00%	0.0	0.00%	12,157.5	2.25%
e721	Class1a	0	0.0	0.00%	0.0	0.00%	368.5	0.07%
e724	Class1a	0	0.0	0.00%	0.0	0.00%	1,833.3	0.34%
e6337	Class1a	0	0.0	0.00%	0.0	0.00%	1,890.1	0.35%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
e01	Consortia	711	15,576.1	2.88%	17,607.1	3.26%	36,712.7	6.79%
e05	Consortia	7,509	65,101.7	12.04%	66,512.6	12.30%	140,141.0	25.92%
e89	Consortia	2,595	19,631.1	3.63%	19,932.6	3.69%	111,662.3	20.65%
e280	Consortia	155	16,207.9	3.00%	17,834.7	3.30%	18,954.3	3.51%
e281	Consortia	257	6,351.4	1.17%	6,351.5	1.17%	7,868.2	1.46%
e283	Consortia	1,383	11,346.7	2.10%	11,370.0	2.10%	8,837.7	1.63%
e305	Consortia	436	18,668.8	3.45%	19,588.4	3.62%	15,209.7	2.81%
e585	Consortia	769	16,498.3	3.05%	16,653.7	3.08%	31,541.6	5.83%
e669	Pump Priming	0	0.0	0.00%	0.0	0.00%	57.5	0.01%
e698	Pump Priming	0	0.0	0.00%	0.0	0.00%	71.8	0.01%
e699	Pump Priming	0	0.0	0.00%	0.0	0.00%	72.1	0.01%
e703	Pump Priming	0	0.0	0.00%	0.0	0.00%	82.2	0.02%
e704	Pump Priming	62	2.7	0.00%	2.7	0.00%	51.5	0.01%
e709	Pump Priming	0	0.0	0.00%	0.0	0.00%	81.8	0.02%
e711	Pump Priming	0	0.0	0.00%	0.0	0.00%	94.7	0.02%
e718	Pump Priming	0	0.0	0.00%	0.0	0.00%	92.4	0.02%
e719	Pump Priming	0	0.0	0.00%	0.0	0.00%	97.2	0.02%
e722	Pump Priming	0	0.0	0.00%	0.0	0.00%	96.7	0.02%
e725	Pump Priming	0	0.0	0.00%	0.0	0.00%	53.1	0.01%
e726	Pump Priming	0	0.0	0.00%	0.0	0.00%	53.1	0.01%
ta021	Training	0	0.0	0.00%	0.0	0.00%	45.4	0.01%
ta026	Training	0	0.0	0.00%	0.0	0.00%	45.1	0.01%
ta027	Training	4	0.0	0.00%	0.0	0.00%	60.3	0.01%
ta036	Training	134	13.2	0.00%	13.2	0.00%	9.3	0.00%
ta037	Training	148	0.3	0.00%	0.3	0.00%	45.2	0.01%
ta038	Training	0	0.0	0.00%	0.0	0.00%	45.2	0.01%
ta041	Training	0	0.0	0.00%	0.0	0.00%	6.8	0.00%
ta042	Training	8	0.3	0.00%	0.3	0.00%	338.2	0.06%
ta043	Training	0	0.0	0.00%	0.0	0.00%	209.4	0.04%
e507	Access to HPC	135	5,149.3	0.95%	5,759.4	1.07%	1,671.7	0.31%
e596	Access to HPC	1	0.0	0.00%	0.0	0.00%	461.0	0.09%
e632	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,455.5	0.64%
e672	Access to HPC	385	2,127.9	0.39%	2,127.9	0.39%	1,627.9	0.30%
e673	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,199.5	0.59%
e674	Access to HPC	0	0.0	0.00%	0.0	0.00%	1,557.8	0.29%
e675	Access to HPC	313	1,025.2	0.19%	1,025.2	0.19%	8,446.7	1.56%
e676	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,450.1	0.45%
e677	Access to HPC	0	0.0	0.00%	0.0	0.00%	5.2	0.00%
e678	Access to HPC	0	0.0	0.00%	0.0	0.00%	575.9	0.11%
e679	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,303.7	0.43%
e680	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,399.6	0.44%
e705	Access to HPC	137	10,382.9	1.92%	10,382.9	1.92%	2,637.1	0.49%

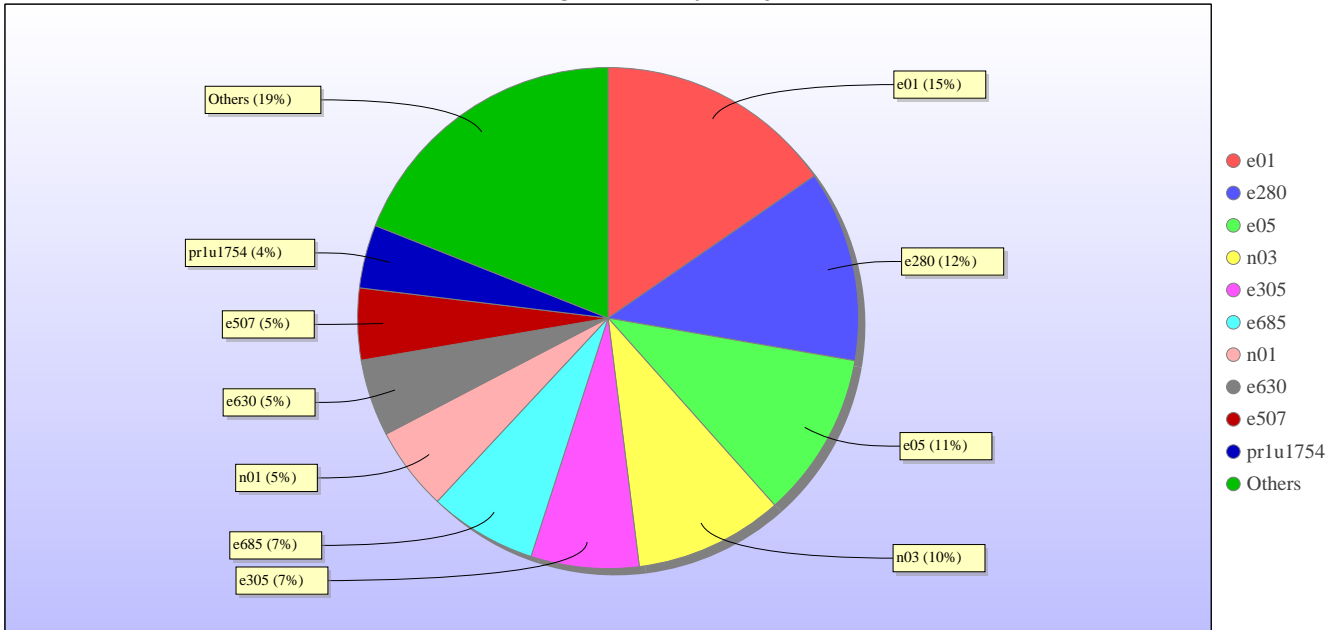
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
EPSRC Total		22,640	315,684.5	58.39%	325,610.9	60.22%	586,217.4	108.42%
n01	Consortia	1,761	24,981.3	4.62%	25,693.1	4.75%	109,276.7	20.21%
n02	Consortia	5,699	37,750.5	6.98%	37,750.7	6.98%	311,737.0	57.66%
n03	Consortia	1,808	34,505.2	6.38%	35,770.1	6.62%	79,742.5	14.75%
NERC Total		9,268	97,236.9	17.98%	99,214.0	18.35%	500,756.2	92.62%
e621	Class1a	0	0.0	0.00%	0.0	0.00%	1,530.1	0.28%
BBSRC Total		0	0.0	0.00%	0.0	0.00%	1,530.1	0.28%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	6.1	0.00%
pr1u1652	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	1,284.8	0.24%
pr1u1653	DECI: EXEC	26	11,313.8	2.09%	11,313.8	2.09%	4,081.8	0.75%
pr1u1654	DECI: EXEC	16	296.8	0.05%	296.8	0.05%	479.1	0.09%
pr1u1656	DECI: EXEC	42	311.5	0.06%	311.5	0.06%	2,284.5	0.42%
pr1u1657	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	377.7	0.07%
pr1u1659	DECI: EXEC	240	346.1	0.06%	346.1	0.06%	1,122.5	0.21%
pr1u1751	DECI: EXEC	330	116.9	0.02%	116.9	0.02%	1,150.9	0.21%
pr1u1752	DECI: EXEC	1	22.2	0.00%	22.2	0.00%	1,367.6	0.25%
pr1u1753	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	1,624.7	0.30%
pr1u1754	DECI: EXEC	58	2,999.4	0.55%	3,538.9	0.65%	1,880.5	0.35%
pr1u1755	DECI: EXEC	10	338.3	0.06%	338.3	0.06%	1,230.9	0.23%
pr1u1756	DECI: EXEC	196	3,897.8	0.72%	3,897.8	0.72%	2,901.9	0.54%
pr1u1757	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	650.6	0.12%
pr1u1758	DECI: EXEC	14	167.4	0.03%	167.4	0.03%	507.7	0.09%
pr1u1759	DECI: EXEC	22	1,537.7	0.28%	1,537.7	0.28%	1,093.4	0.20%
pr1u1760	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	410.3	0.08%
pr1u1702	DECI: HOME	188	1,962.5	0.36%	2,043.7	0.38%	1,208.4	0.22%
pr1u1707	DECI: HOME	20	1,064.0	0.20%	1,064.0	0.20%	1,047.1	0.19%
pr1ush01	DECI: HOME	0	0.0	0.00%	0.0	0.00%	334.4	0.06%
pr1ushpc	DECI: HOME	0	0.0	0.00%	0.0	0.00%	58.8	0.01%
PRACE Total		1,163	24,374.3	4.51%	24,995.1	4.62%	25,103.7	4.64%
ecseaa06	eCSE	0	0.0	0.00%	0.0	0.00%	130.9	0.02%
ecseaa09	eCSE	0	0.0	0.00%	0.0	0.00%	65.4	0.01%
ecseaa11	eCSE	0	0.0	0.00%	0.0	0.00%	55.8	0.01%
ecseaa12	eCSE	8	114.1	0.02%	114.1	0.02%	48.2	0.01%
ecseaa13	eCSE	0	0.0	0.00%	0.0	0.00%	130.9	0.02%
ecseaa14	eCSE	0	0.0	0.00%	0.0	0.00%	168.4	0.03%
ecseaa16	eCSE	0	0.0	0.00%	0.0	0.00%	167.6	0.03%
ecseaa19	eCSE	28	279.8	0.05%	310.5	0.06%	73.0	0.01%
ecseaa20	eCSE	0	0.0	0.00%	0.0	0.00%	177.7	0.03%
ecseaa21	eCSE	40	340.5	0.06%	364.4	0.07%	48.7	0.01%
ecseaa22	eCSE	0	0.0	0.00%	0.0	0.00%	140.4	0.03%
ecseaa26	eCSE	30	4.0	0.00%	4.0	0.00%	89.8	0.02%
ecseaa28	eCSE	0	0.0	0.00%	0.0	0.00%	56.9	0.01%
ecseab02	eCSE	0	0.0	0.00%	0.0	0.00%	66.0	0.01%
ecseab03	eCSE	0	0.0	0.00%	0.0	0.00%	106.7	0.02%
ecseab04	eCSE	18	70.2	0.01%	70.2	0.01%	40.0	0.01%
ecseab06	eCSE	0	0.0	0.00%	0.0	0.00%	11.6	0.00%
ecseab11	eCSE	0	0.0	0.00%	0.0	0.00%	13.5	0.00%
ecseab12	eCSE	0	0.0	0.00%	0.0	0.00%	73.2	0.01%
ecseab13	eCSE	104	5.1	0.00%	5.1	0.00%	35.1	0.01%
ecseac02	eCSE	0	0.0	0.00%	0.0	0.00%	40.4	0.01%
ecseac04	eCSE	0	0.0	0.00%	0.0	0.00%	72.0	0.01%
ecseac05	eCSE	0	0.0	0.00%	0.0	0.00%	30.9	0.01%
ecseac06	eCSE	0	0.0	0.00%	0.0	0.00%	55.9	0.01%
ecseac10	eCSE	0	0.0	0.00%	0.0	0.00%	80.2	0.01%
ecseac12	eCSE	0	0.0	0.00%	0.0	0.00%	57.0	0.01%
ecseac14	eCSE	0	0.0	0.00%	0.0	0.00%	44.3	0.01%
ecsead01	eCSE	0	0.0	0.00%	0.0	0.00%	47.5	0.01%
ecsead05	eCSE	0	0.0	0.00%	0.0	0.00%	45.3	0.01%
ecsead06	eCSE	0	0.0	0.00%	0.0	0.00%	35.7	0.01%
ecsead07	eCSE	0	0.0	0.00%	0.0	0.00%	46.8	0.01%
ecsead08	eCSE	0	0.0	0.00%	0.0	0.00%	37.7	0.01%
eCSE Total		228	813.7	0.15%	868.3	0.16%	2,293.5	0.42%
d35	Research	14	0.6	0.00%	0.6	0.00%	102.3	0.02%

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d56	Research	402	5,747.5	1.06%	5,947.5	1.10%	4,399.1	0.81%
d114	Research	869	12,140.7	2.25%	12,340.9	2.28%	11,137.1	2.06%
d118	Research	133	51.0	0.01%	51.0	0.01%	562.6	0.10%
d137	Research	0	0.0	0.00%	0.0	0.00%	1,183.4	0.22%
d142	Research	0	0.0	0.00%	0.0	0.00%	1,336.9	0.25%
d155	Research	425	2,117.7	0.39%	2,133.2	0.39%	6,405.1	1.18%
d175	Research	42	40.9	0.01%	40.9	0.01%	480.8	0.09%
d178	Research	4	3,954.6	0.73%	3,954.6	0.73%	3,012.0	0.56%
d179	Research	0	0.0	0.00%	0.0	0.00%	2,431.5	0.45%
d428	Research	6	288.0	0.05%	288.0	0.05%	49.0	0.01%
d429	Research	329	4,174.8	0.77%	4,373.1	0.81%	6,683.5	1.24%
d432	Industrial	0	0.0	0.00%	0.0	0.00%	884.5	0.16%
d433	Industrial	0	0.0	0.00%	0.0	0.00%	127.1	0.02%
i18	Industrial	39	44.9	0.01%	44.9	0.01%	1,668.6	0.31%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	948.7	0.18%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	377.4	0.07%
i239	Industrial	0	0.0	0.00%	0.0	0.00%	586.7	0.11%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
d174	Training	0	0.0	0.00%	0.0	0.00%	359.4	0.07%
d176	Training	0	0.0	0.00%	0.0	0.00%	22.4	0.00%
ta044	Training	116	0.6	0.00%	0.6	0.00%	189.5	0.04%
ta045	Training	0	0.0	0.00%	0.0	0.00%	2.0	0.00%
y01	Service	0	0.0	0.00%	0.0	0.00%	41.7	0.01%
y02	Service	23	1.2	0.00%	1.2	0.00%	33.9	0.01%
y23	Service	0	0.0	0.00%	0.0	0.00%	39.4	0.01%
z19	Service	574	684.2	0.13%	684.2	0.13%	9,014.9	1.67%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
sc004	UoE Access	0	0.0	0.00%	0.0	0.00%	8.1	0.00%
DirectorsTime		2,976	29,246.8	5.41%	29,861.0	5.52%	52,088.8	9.63%
Total								
y07	Service	0	0.0	0.00%	0.0	0.00%	120.5	0.02%
z01	Service	0	0.0	0.00%	0.0	0.00%	55.6	0.01%
z02	Service	14	0.4	0.00%	0.4	0.00%	264.7	0.05%
CSE Total		14	0.4	0.00%	0.4	0.00%	440.8	0.08%
Total		36,289	467,356.6	86.44%	480,549.5	88.88%	1,168,430.4	216.11%

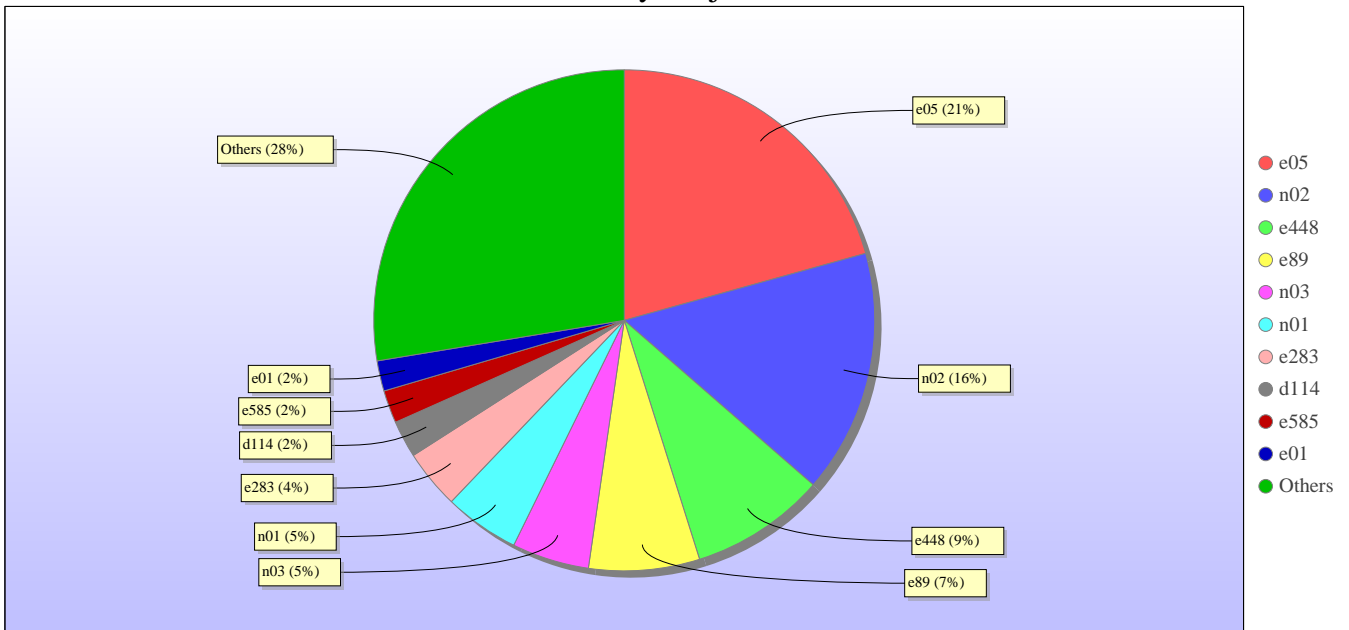
Use by Project



Uncharged Use by Project



Jobs by Project

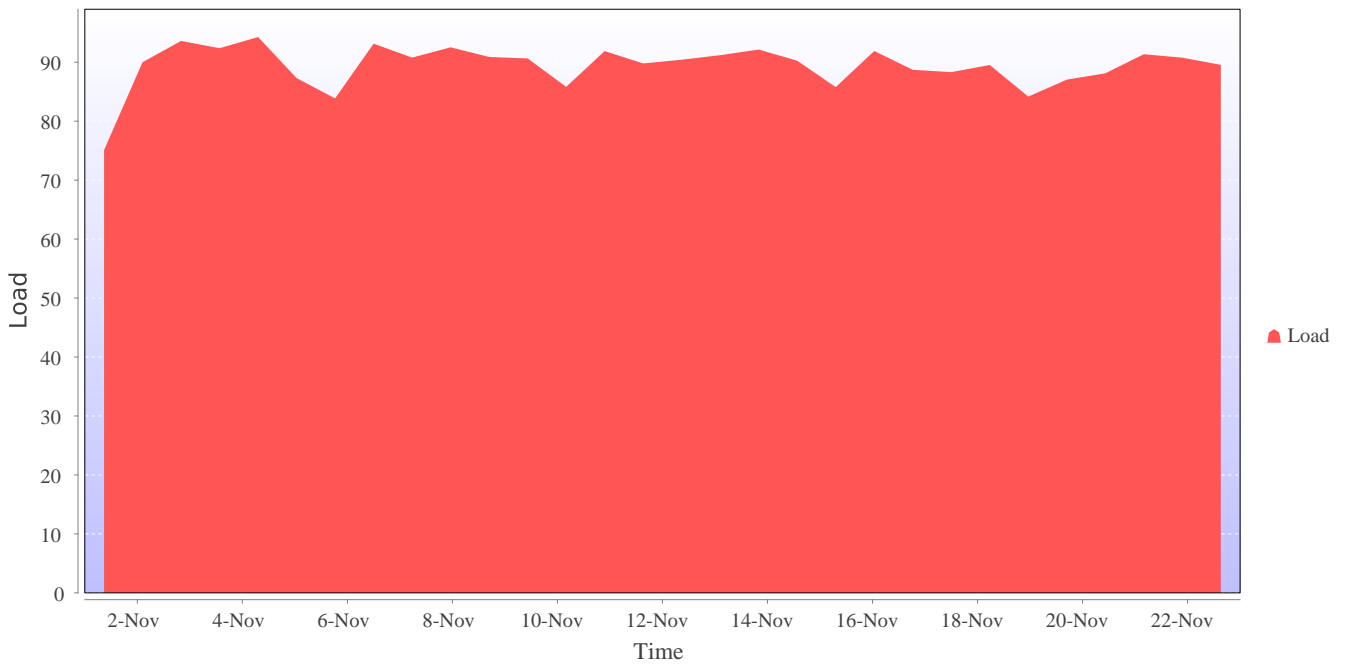


CUs (by Size)

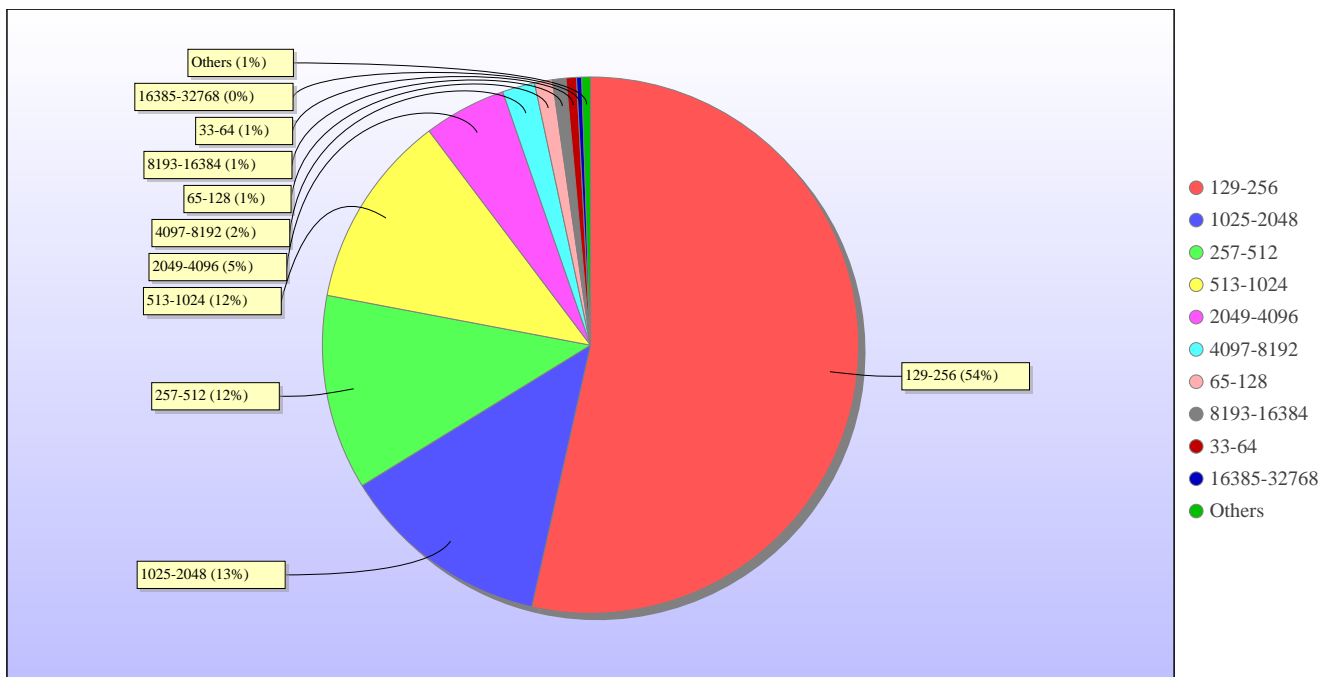
Size	CUs	Number of Jobs
1	0	80
2	0	9
3-4	0	10
5-8	0	33
9-16	0	11
17-32	0	16
33-64	0	228
65-128	0	390
129-256	45,574.608	19,421
257-512	43,878.884	4,266

Size	CUs	Number of Jobs
513-1024	54,673.966	4,260
1025-2048	68,951.848	4,611
2049-4096	72,435.822	1,804
4097-8192	115,619.754	711
8193-16384	26,463.692	296
16385-32768	24,000.637	112
32769-65536	15,757.398	31

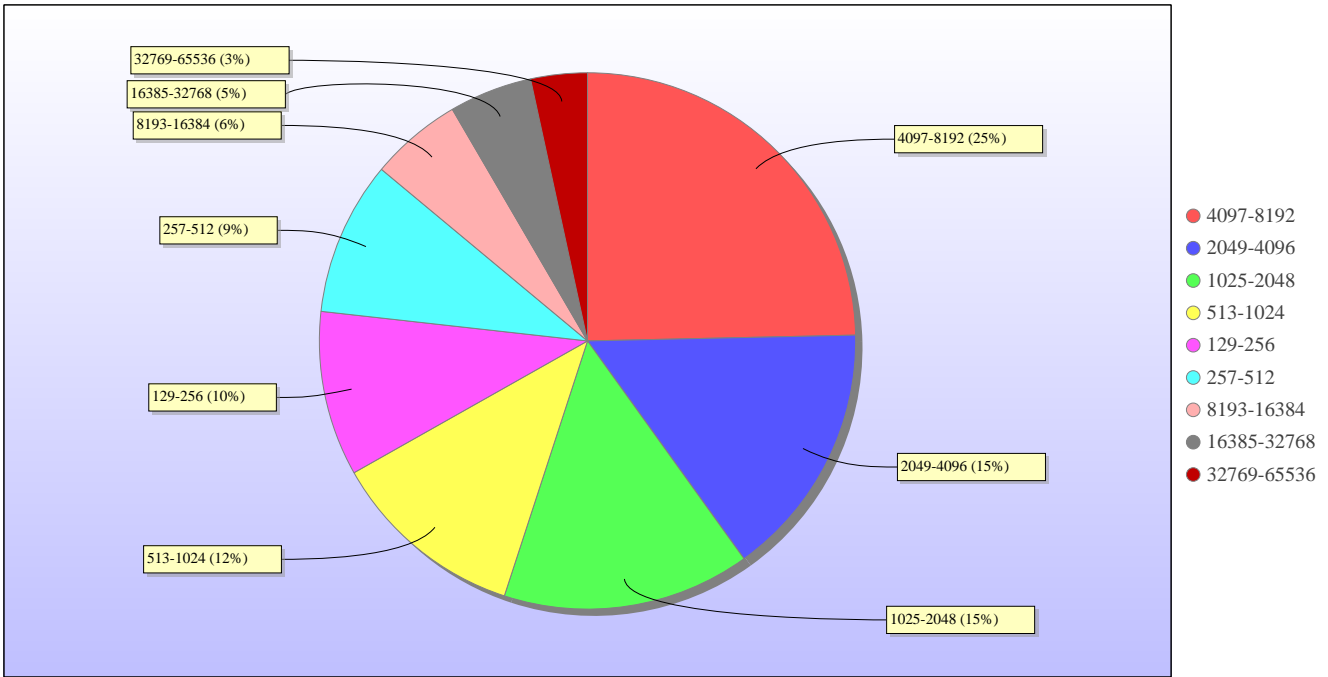
Load plots



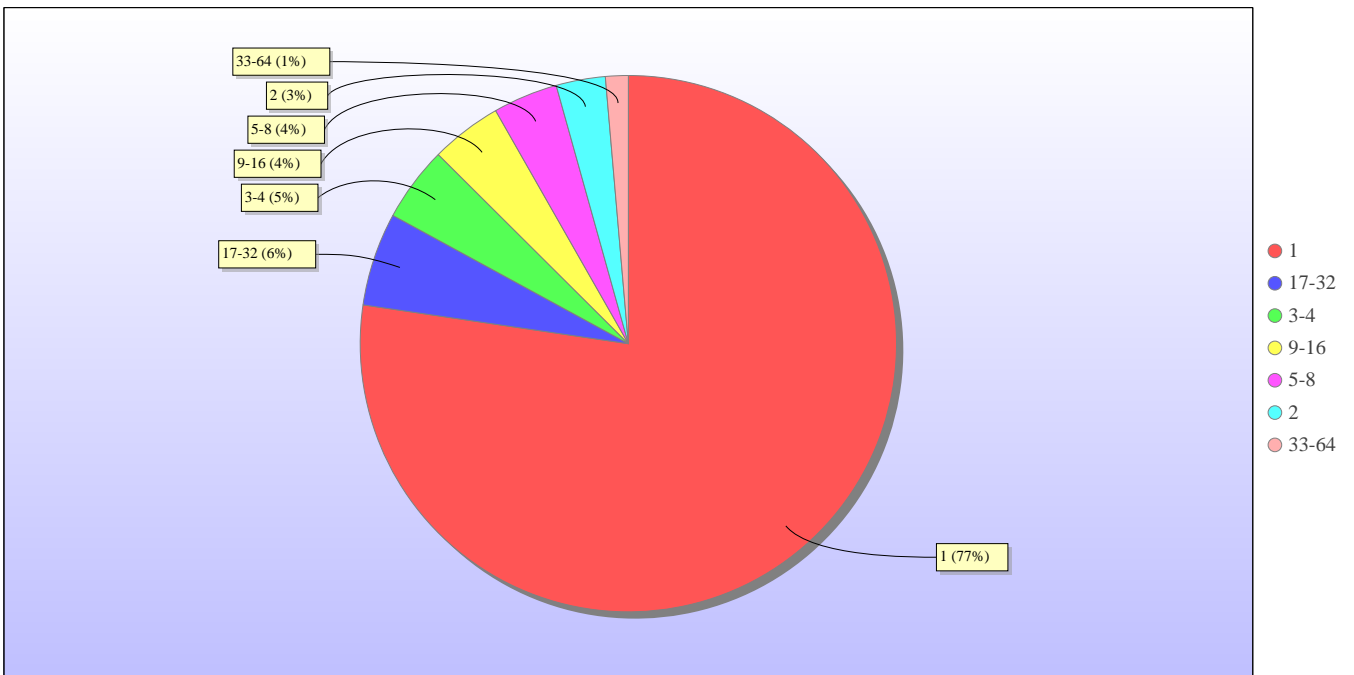
Percentage load on machine



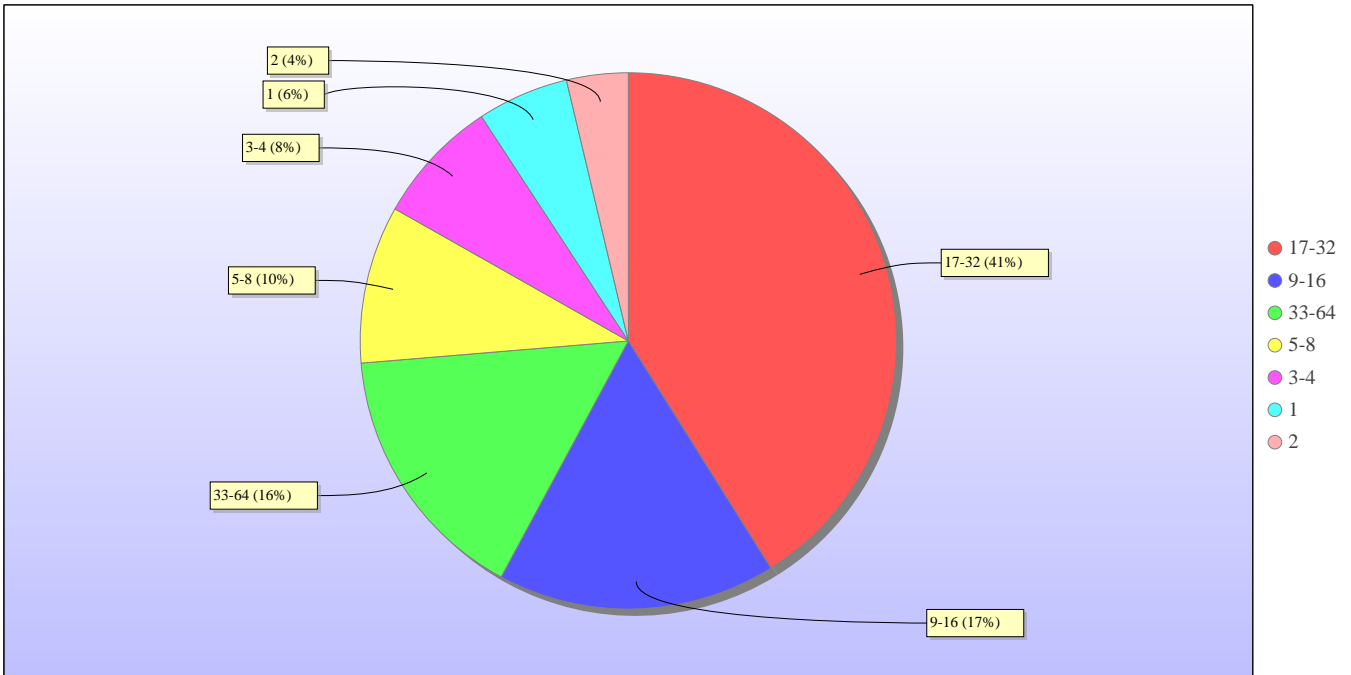
Jobs by Size



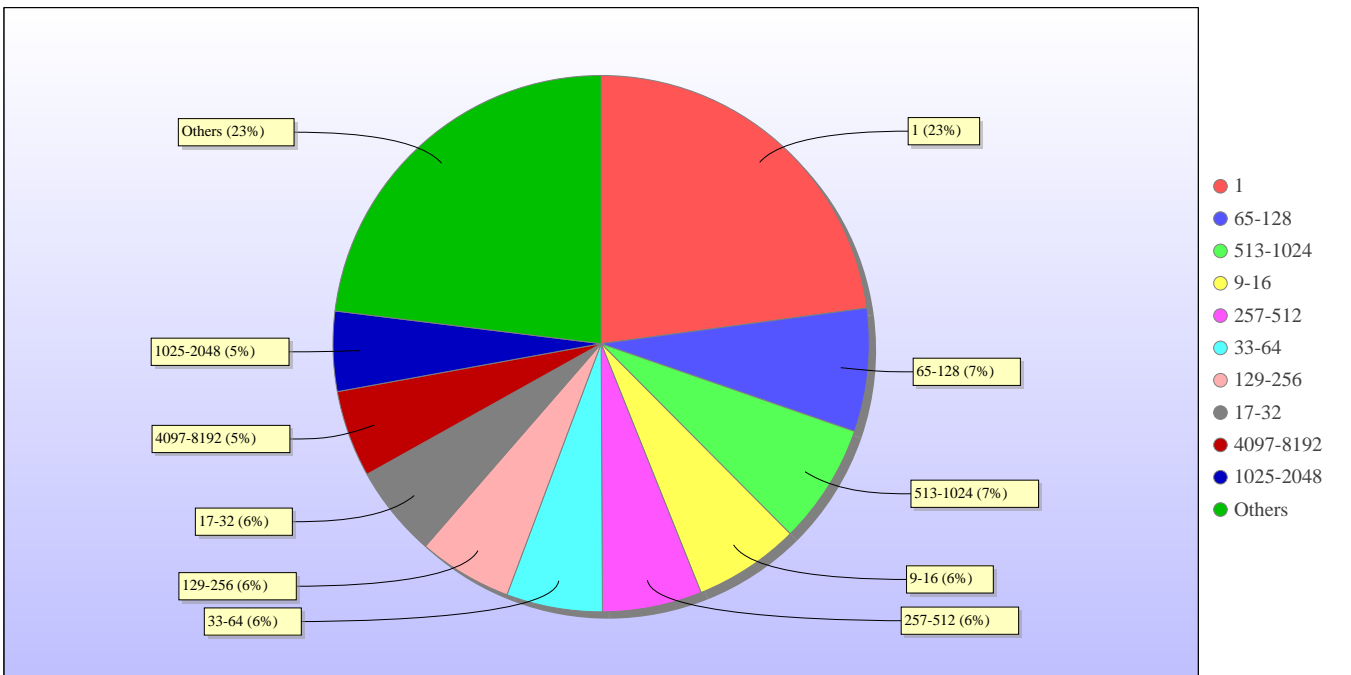
CUs used by Size



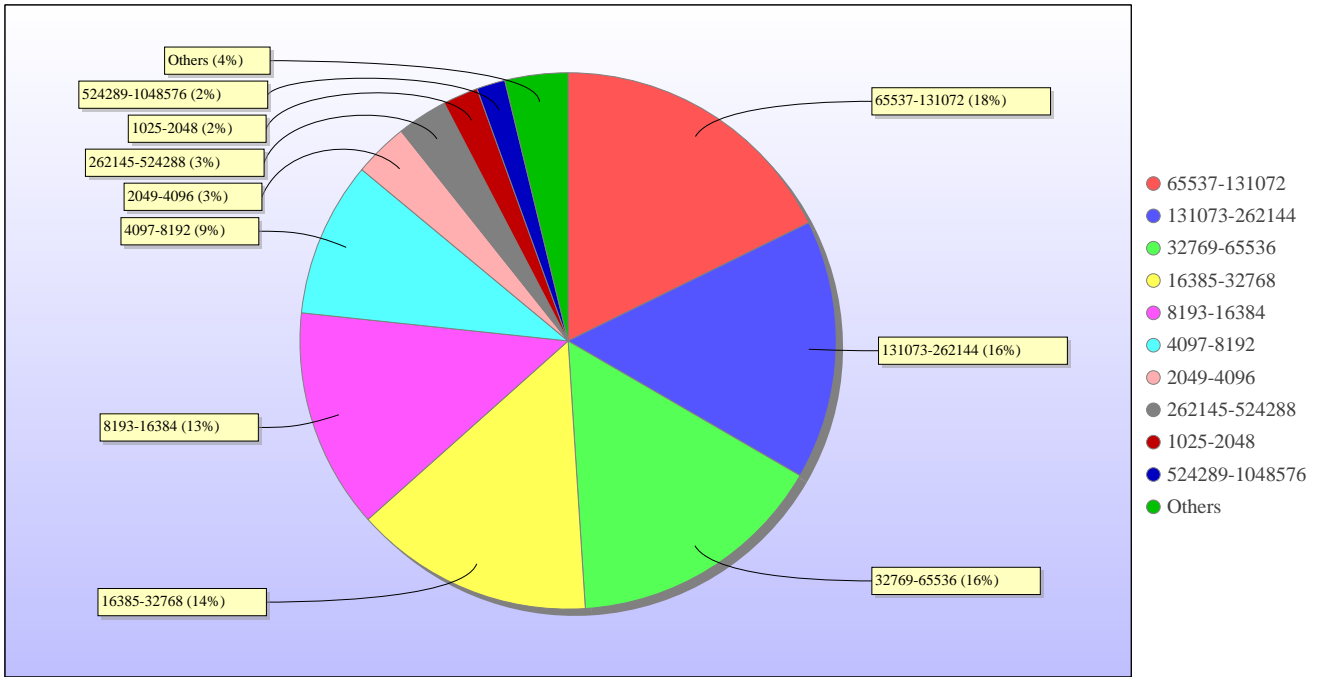
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

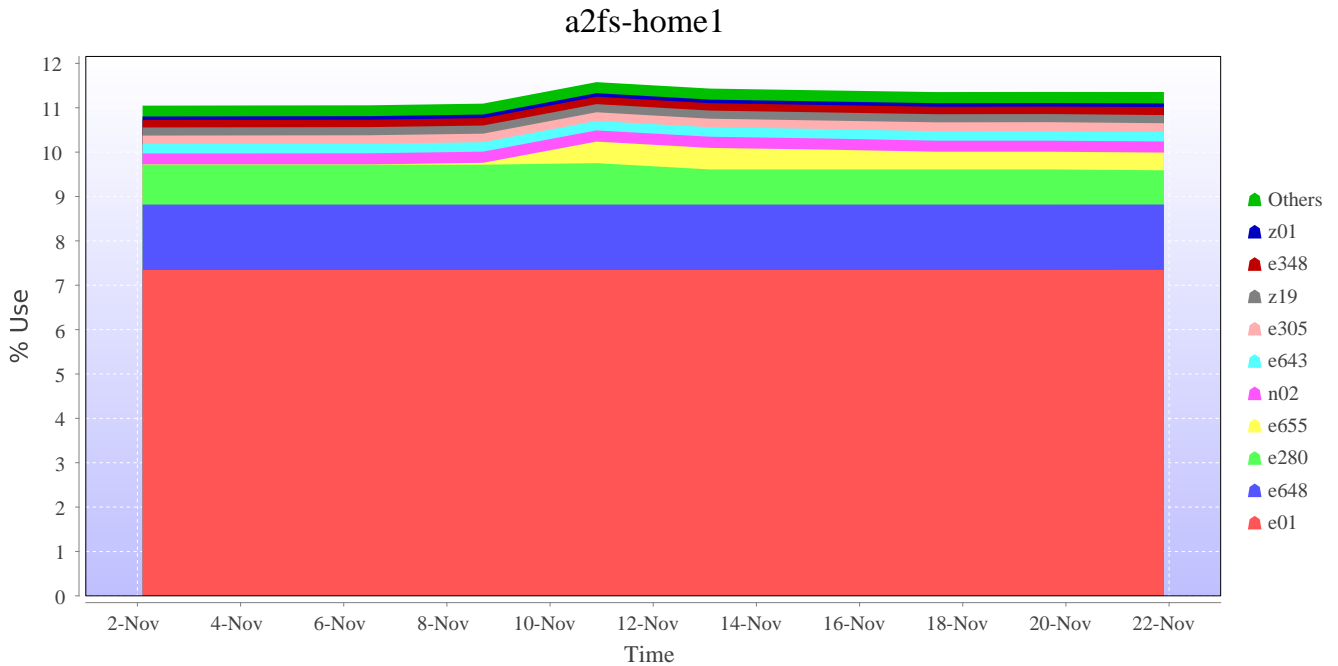


CUs used grouped by core-hours

Disk usage

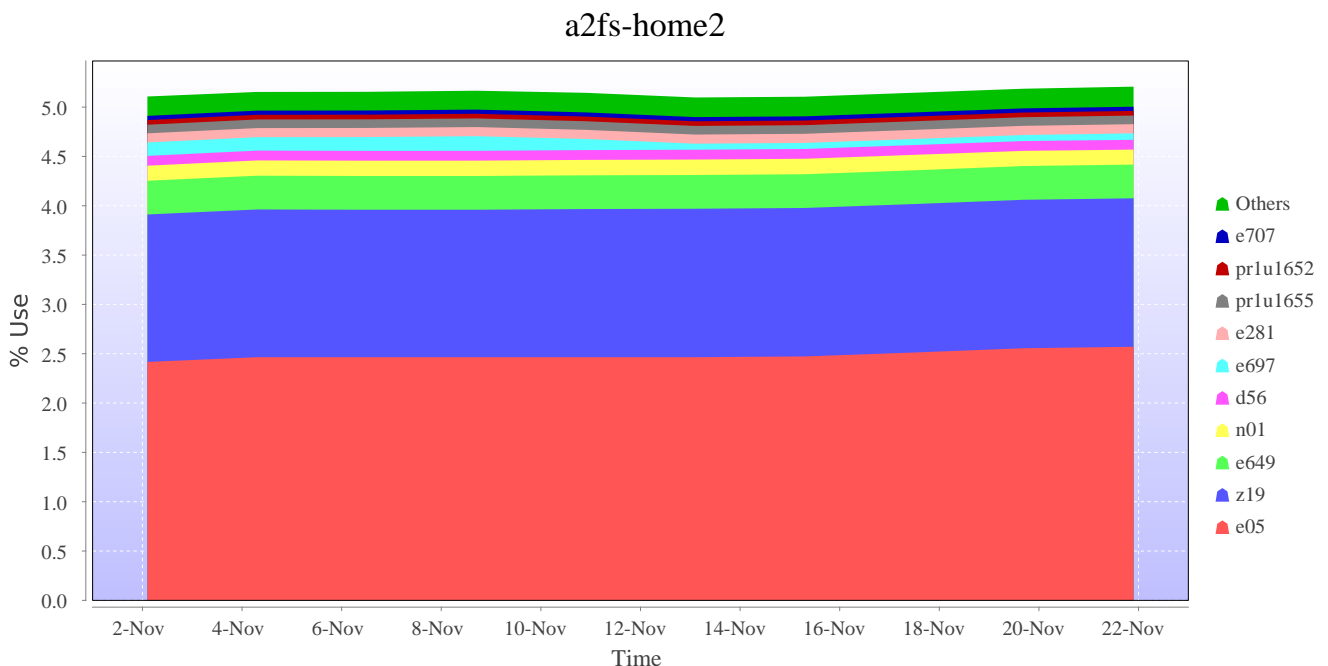
Disk usage for home (a2fs-home1)

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.



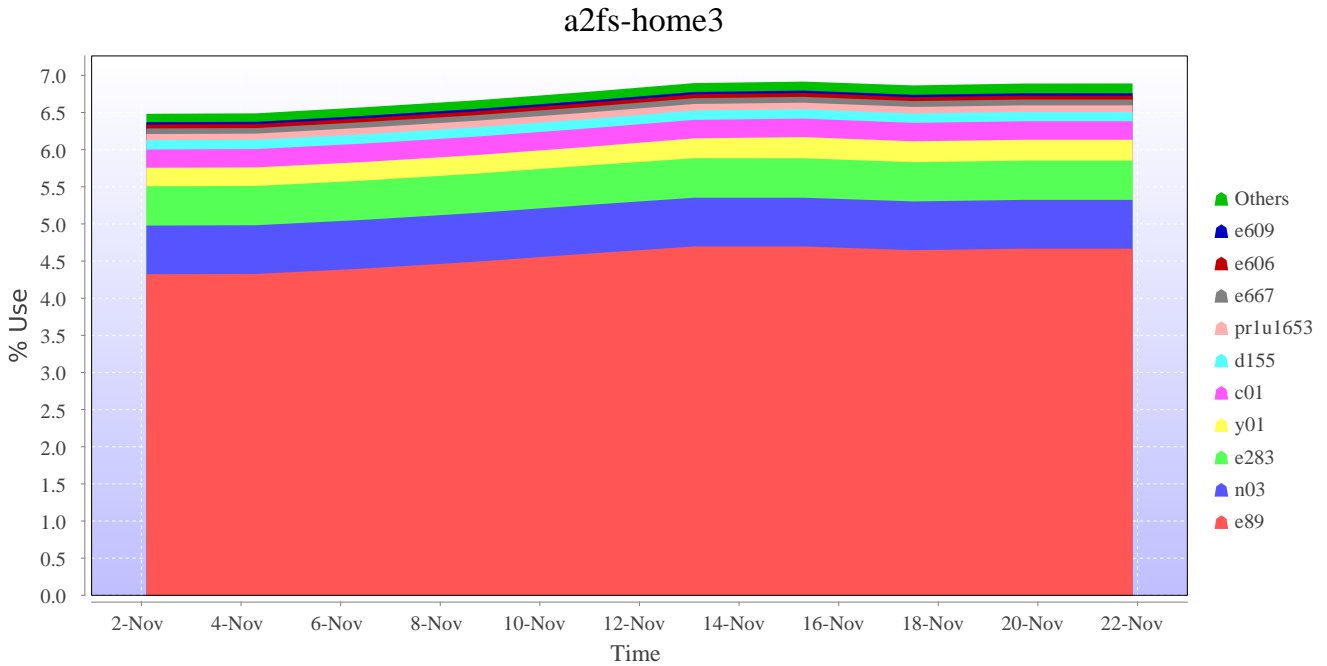
Disk usage for home (a2fs-home2)

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.

