

Monthly Reporting

Report from 01 August 2022 to 31 August 2022

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.

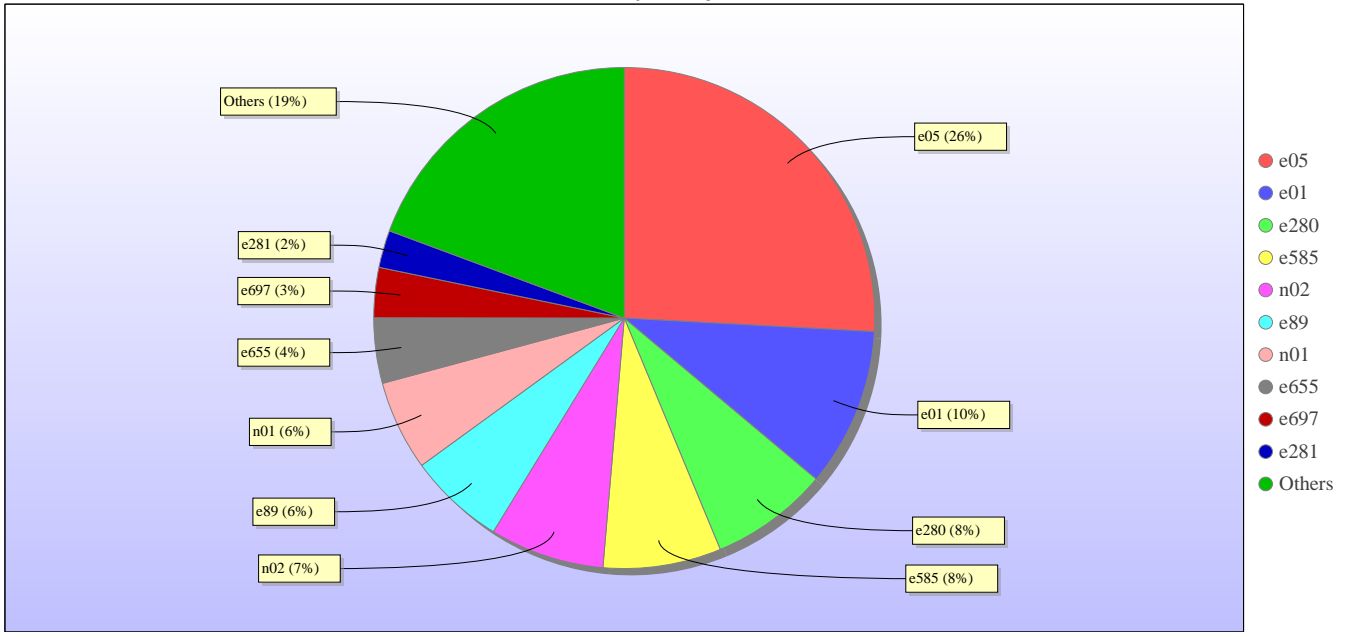
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e756	Leadership Awards	3	0.9	0.00%	0.9	0.00%	30.1	0.00%
e683	Pioneer Projects	57	322.3	0.01%	322.3	0.01%	14,014.2	0.32%
e685	Pioneer Projects	995	4,104.5	0.09%	23,209.3	0.53%	20,718.1	0.48%
e686	Pioneer Projects	142	2,964.1	0.07%	2,964.1	0.07%	18,528.4	0.43%
e687	Pioneer Projects	638	9,225.9	0.21%	9,225.9	0.21%	16,844.0	0.39%
e688	Pioneer Projects	219	26,368.5	0.61%	26,543.2	0.61%	22,318.3	0.51%
e689	Pioneer Projects	14	19,703.1	0.45%	19,727.7	0.45%	27,118.9	0.62%
e690	Pioneer Projects	528	6,800.6	0.16%	22,307.5	0.51%	25,266.0	0.58%
e691	Pioneer Projects	7	0.8	0.00%	0.8	0.00%	25,759.2	0.59%
e692	Pioneer Projects	12	183.7	0.00%	183.7	0.00%	19,444.7	0.45%
e693	Pioneer Projects	40	4,380.7	0.10%	4,380.7	0.10%	24,861.8	0.57%
c01	Class1a	6,380	28,478.0	0.65%	28,521.4	0.66%	23,199.1	0.53%
e348	Class1a	26	384.0	0.01%	384.0	0.01%	9,163.1	0.21%
e572	Class1a	466	2,675.6	0.06%	2,675.6	0.06%	2,106.5	0.05%
e575	Class1a	49	662.6	0.02%	662.6	0.02%	3,370.3	0.08%
e607	Class1a	697	16,019.2	0.37%	88,960.4	2.04%	9,962.3	0.23%
e609	Class1a	442	11.5	0.00%	777.5	0.02%	3,274.6	0.08%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	4,836.5	0.11%
e643	Class1a	59	164.6	0.00%	164.6	0.00%	3,029.2	0.07%
e645	Class1a	116	3,925.4	0.09%	3,925.4	0.09%	2,691.1	0.06%
e647	Class1a	1,005	5,206.4	0.12%	21,000.9	0.48%	3,941.7	0.09%
e649	Class1a	0	0.0	0.00%	0.0	0.00%	1,444.1	0.03%
e655	Class1a	286	21,153.3	0.49%	170,311.2	3.91%	2,879.9	0.07%
e663	Class1a	726	6,504.5	0.15%	6,504.5	0.15%	3,352.3	0.08%
e664	Class1a	0	0.0	0.00%	0.0	0.00%	894.0	0.02%
e667	Class1a	13	1.6	0.00%	1.6	0.00%	2,111.6	0.05%
e684	Class1a	233	141.2	0.00%	141.2	0.00%	2,094.5	0.05%
e694	Class1a	405	167.5	0.00%	196.1	0.00%	2,832.7	0.07%
e696	Class1a	30	644.8	0.01%	644.8	0.01%	309.2	0.01%
e697	Class1a	149	337.7	0.01%	130,699.4	3.00%	8,772.9	0.20%
e700	Class1a	52	506.1	0.01%	506.1	0.01%	4,446.8	0.10%

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%	1,881.4	0.04%
e702	Class1a	25	799.4	0.02%	799.4	0.02%	1,006.3	0.02%
e706	Class1a	0	0.0	0.00%	0.0	0.00%	848.9	0.02%
e707	Class1a	94	1,250.2	0.03%	1,250.2	0.03%	11,945.1	0.27%
e708	Class1a	0	0.0	0.00%	0.0	0.00%	4,044.4	0.09%
e710	Class1a	125	79.5	0.00%	79.5	0.00%	2,022.2	0.05%
e712	Class1a	9	3,811.8	0.09%	3,811.8	0.09%	16,844.0	0.39%
e720	Class1a	5,529	26,806.2	0.62%	26,896.8	0.62%	22,688.7	0.52%
e721	Class1a	485	131.7	0.00%	154.8	0.00%	2,236.1	0.05%
e723	Class1a	256	1,149.3	0.03%	1,194.9	0.03%	25,404.1	0.58%
e724	Class1a	0	0.0	0.00%	0.0	0.00%	11,680.5	0.27%
e728	Class1a	65	2,499.0	0.06%	2,499.0	0.06%	2,393.3	0.06%
e738	Class1a	101	8.1	0.00%	8.1	0.00%	8,422.0	0.19%
e751	Class1a	0	0.0	0.00%	0.0	0.00%	5,049.8	0.12%
e752	Class1a	0	0.0	0.00%	0.0	0.00%	3,557.4	0.08%
e758	Class1a	0	0.0	0.00%	0.0	0.00%	1,972.7	0.05%
e760	Class1a	0	0.0	0.00%	0.0	0.00%	6.1	0.00%
e6337	Class1a	2	406.4	0.01%	406.4	0.01%	2,794.3	0.06%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	1,011.1	0.02%
e01	Consortia	1,907	190,563.8	4.38%	414,425.7	9.53%	225,740.1	5.19%
e05	Consortia	29,037	475,657.9	10.93%	1,045,231.0	24.02%	714,843.9	16.43%
e89	Consortia	15,321	244,256.5	5.61%	252,348.7	5.80%	338,610.1	7.78%
e280	Consortia	9,726	67,288.3	1.55%	308,387.1	7.09%	150,493.7	3.46%
e281	Consortia	5,398	96,363.7	2.21%	97,473.0	2.24%	75,247.3	1.73%
e283	Consortia	2,315	21,618.2	0.50%	21,623.9	0.50%	37,623.6	0.86%
e305	Consortia	1,855	82,689.2	1.90%	85,558.3	1.97%	112,870.0	2.59%
e585	Consortia	1,083	14,364.3	0.33%	308,073.2	7.08%	112,870.0	2.59%
e718	Pump Priming	6	0.4	0.00%	0.4	0.00%	64.5	0.00%
e727	Pump Priming	439	3,992.4	0.09%	3,992.4	0.09%	3,287.0	0.08%
e749	Pump Priming	225	890.9	0.02%	898.1	0.02%	578.8	0.01%
e750	Pump Priming	0	0.0	0.00%	0.0	0.00%	567.2	0.01%
e753	Pump Priming	0	0.0	0.00%	0.0	0.00%	677.6	0.02%
e755	Pump Priming	14	496.9	0.01%	496.9	0.01%	659.4	0.02%
e757	Pump Priming	0	0.0	0.00%	0.0	0.00%	397.9	0.01%
ta026	Training	0	0.0	0.00%	0.0	0.00%	63.5	0.00%
ta027	Training	0	0.0	0.00%	0.0	0.00%	63.5	0.00%
ta037	Training	0	0.0	0.00%	0.0	0.00%	63.6	0.00%
ta038	Training	2	0.0	0.00%	0.0	0.00%	63.6	0.00%
ta052	Training	0	0.0	0.00%	0.0	0.00%	511.4	0.01%
e632	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,669.0	0.08%
e673	Access to HPC	199	4.9	0.00%	2,492.7	0.06%	2,473.2	0.06%
e674	Access to HPC	312	1,270.4	0.03%	1,282.1	0.03%	3,879.7	0.09%
e676	Access to HPC	98	2,613.7	0.06%	2,613.7	0.06%	2,872.8	0.07%
e677	Access to HPC	0	0.0	0.00%	0.0	0.00%	7,316.7	0.17%
e705	Access to HPC	11	628.7	0.01%	628.7	0.01%	3,716.1	0.09%
e730	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,234.1	0.07%
e731	Access to HPC	0	0.0	0.00%	0.0	0.00%	9,171.2	0.21%
e732	Access to HPC	99	3,099.4	0.07%	3,099.4	0.07%	5,053.2	0.12%
e733	Access to HPC	0	0.0	0.00%	0.0	0.00%	4,204.3	0.10%
e734	Access to HPC	82	488.0	0.01%	488.0	0.01%	7,691.8	0.18%
e735	Access to HPC	0	0.0	0.00%	0.0	0.00%	10,478.3	0.24%
e736	Access to HPC	31	0.0	0.00%	187.2	0.00%	12,127.7	0.28%
e742	Access to HPC	3	13.3	0.00%	13.3	0.00%	1,179.6	0.03%
e743	Access to HPC	151	13,178.0	0.30%	13,178.0	0.30%	8,324.7	0.19%
e744	Access to HPC	139	4,201.2	0.10%	12,468.3	0.29%	3,073.7	0.07%
e745	Access to HPC	18	6,268.1	0.14%	16,877.0	0.39%	6,511.5	0.15%
e746	Access to HPC	155	57,841.4	1.33%	57,841.4	1.33%	15,348.5	0.35%
e747	Access to HPC	0	0.0	0.00%	0.0	0.00%	21,523.7	0.49%
e748	Access to HPC	260	33,777.6	0.78%	33,786.3	0.78%	16,851.6	0.39%
EPSRC Total		89,366	1,519,547.5	34.92%	3,285,509.1	75.51%	2,359,423.0	54.23%
n01	Consortia	5,605	233,881.2	5.38%	234,786.2	5.40%	149,989.0	3.45%
n02	Consortia	28,224	176,272.8	4.05%	298,711.5	6.87%	534,813.7	12.29%
n03	Consortia	6,247	107,471.1	2.47%	96,215.4	2.21%	166,465.8	3.83%

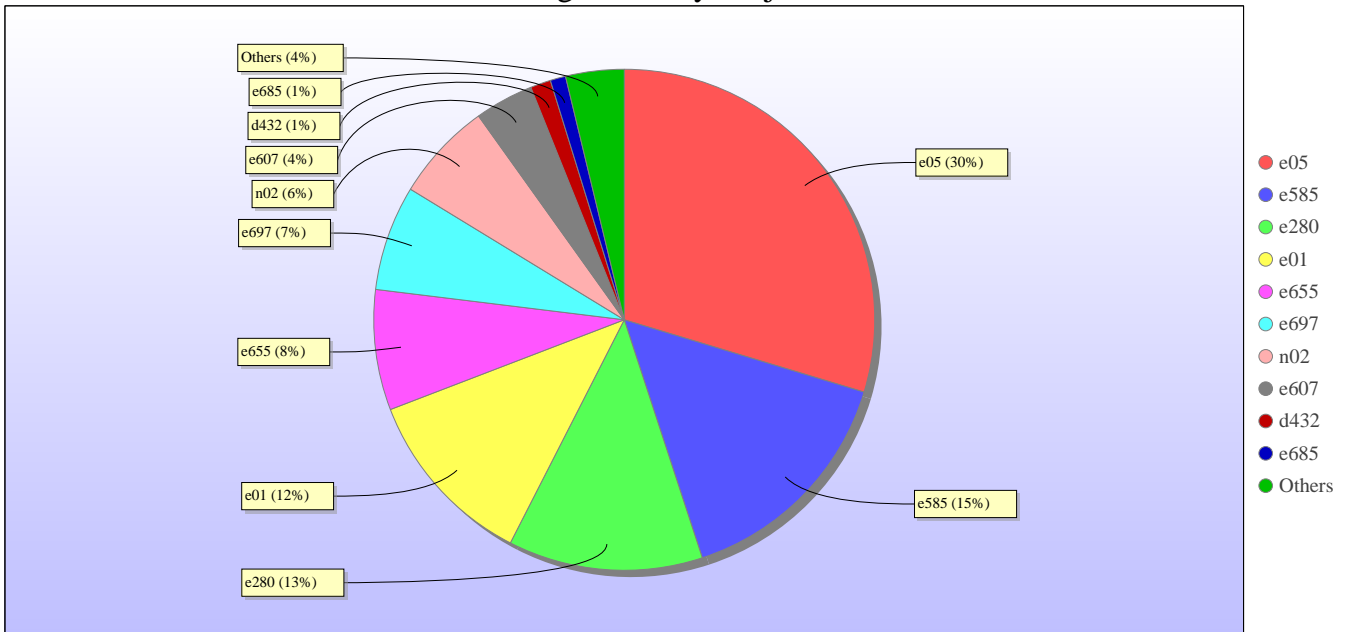
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NERC Total		40,076	517,625.0	11.90%	629,713.0	14.47%	851,268.5	19.57%
b19	Class1a	44	1,540.0	0.04%	1,540.0	0.04%	1,982.7	0.05%
BBSRC Total		44	1,540.0	0.04%	1,540.0	0.04%	1,982.7	0.05%
pr1u1555	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	637.4	0.01%
pr1u1654	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	675.1	0.02%
pr1u1657	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	532.2	0.01%
pr1u1751	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	1,621.7	0.04%
pr1u1752	DECI: EXEC	3	892.9	0.02%	892.9	0.02%	1,927.1	0.04%
pr1u1753	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	3,936.2	0.09%
pr1u1754	DECI: EXEC	32	4,853.8	0.11%	4,853.8	0.11%	2,649.8	0.06%
pr1u1755	DECI: EXEC	3	37.6	0.00%	37.6	0.00%	1,734.4	0.04%
pr1u1756	DECI: EXEC	994	13,258.6	0.30%	13,258.6	0.30%	6,794.7	0.16%
pr1u1757	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	916.8	0.02%
pr1u1758	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	759.9	0.02%
pr1u1759	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	1,540.7	0.04%
pr1u1760	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	578.1	0.01%
pr1u1702	DECI: HOME	99	2,521.3	0.06%	2,521.3	0.06%	1,702.7	0.04%
pr1u1707	DECI: HOME	0	0.0	0.00%	0.0	0.00%	1,475.4	0.03%
pr1ush02	DECI: HOME	0	0.0	0.00%	0.0	0.00%	3,452.3	0.08%
PRACE Total		1,131	21,564.3	0.50%	21,564.3	0.50%	30,934.6	0.71%
ecseaa11	eCSE	0	0.0	0.00%	0.0	0.00%	68.7	0.00%
ecseaa13	eCSE	188	131.3	0.00%	131.3	0.00%	91.2	0.00%
ecseaa19	eCSE	53	31.7	0.00%	31.7	0.00%	102.9	0.00%
ecseaa26	eCSE	2	0.2	0.00%	0.2	0.00%	126.5	0.00%
ecseaa28	eCSE	78	6.6	0.00%	6.6	0.00%	40.8	0.00%
ecseab02	eCSE	18	14.1	0.00%	16.6	0.00%	93.1	0.00%
ecseac02	eCSE	0	0.0	0.00%	0.0	0.00%	56.9	0.00%
ecseac04	eCSE	0	0.0	0.00%	0.0	0.00%	101.4	0.00%
ecseac05	eCSE	0	0.0	0.00%	0.0	0.00%	63.9	0.00%
ecseac06	eCSE	1	0.7	0.00%	0.7	0.00%	78.8	0.00%
ecseac12	eCSE	0	0.0	0.00%	0.0	0.00%	84.2	0.00%
ecseac14	eCSE	0	0.0	0.00%	0.0	0.00%	65.3	0.00%
ecseac15	eCSE	0	0.0	0.00%	0.0	0.00%	134.1	0.00%
ecsead01	eCSE	0	0.0	0.00%	0.0	0.00%	98.2	0.00%
ecsead02	eCSE	0	0.0	0.00%	0.0	0.00%	163.0	0.00%
ecsead03	eCSE	0	0.0	0.00%	0.0	0.00%	128.5	0.00%
ecsead06	eCSE	0	0.0	0.00%	0.0	0.00%	73.9	0.00%
ecsead08	eCSE	79	5.7	0.00%	5.7	0.00%	78.0	0.00%
ecseae03	eCSE	0	0.0	0.00%	0.0	0.00%	93.6	0.00%
ecseae04	eCSE	0	0.0	0.00%	0.0	0.00%	119.5	0.00%
ecseae08	eCSE	0	0.0	0.00%	0.0	0.00%	119.2	0.00%
ecseae09	eCSE	0	0.0	0.00%	0.0	0.00%	116.7	0.00%
ecseaf01	eCSE	48	11.5	0.00%	11.5	0.00%	104.4	0.00%
ecseaf02	eCSE	0	0.0	0.00%	0.0	0.00%	52.7	0.00%
ecseaf03	eCSE	0	0.0	0.00%	0.0	0.00%	50.7	0.00%
ecseaf04	eCSE	0	0.0	0.00%	0.0	0.00%	65.1	0.00%
ecseaf06	eCSE	0	0.0	0.00%	0.0	0.00%	100.8	0.00%
ecseag02	eCSE	0	0.0	0.00%	0.0	0.00%	2.8	0.00%
eCSE Total		467	201.8	0.00%	204.3	0.00%	2,474.9	0.06%
d35	Research	73	4.4	0.00%	4.4	0.00%	92.8	0.00%
d56	Research	728	6,583.5	0.15%	6,585.6	0.15%	10,237.9	0.24%
d114	Research	3,805	24,859.0	0.57%	24,859.0	0.57%	5,226.3	0.12%
d137	Research	0	0.0	0.00%	0.0	0.00%	1,681.6	0.04%
d142	Research	0	0.0	0.00%	0.0	0.00%	164.5	0.00%
d170	Research	0	0.0	0.00%	0.0	0.00%	50.5	0.00%
d175	Research	30	32,148.1	0.74%	32,148.1	0.74%	4,792.9	0.11%
d179	Research	0	0.0	0.00%	0.0	0.00%	1,698.6	0.04%
dc129	Research	3,157	179.0	0.00%	186.1	0.00%	1,698.6	0.04%
d105	Industrial	0	0.0	0.00%	0.0	0.00%	3,368.8	0.08%
d181	Industrial	0	0.0	0.00%	0.0	0.00%	1,274.0	0.03%
d190	Industrial	0	0.0	0.00%	0.0	0.00%	1,698.6	0.04%
d432	Industrial	501	751.1	0.02%	26,042.7	0.60%	1,246.3	0.03%
d433	Industrial	6	3.3	0.00%	3.3	0.00%	78.3	0.00%

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d434	Industrial	0	0.0	0.00%	0.0	0.00%	14.7	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	5.3	0.00%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	2,351.2	0.05%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	16,844.0	0.39%
i24	Industrial	0	0.0	0.00%	0.0	0.00%	33.7	0.00%
i25	Industrial	79	4.9	0.00%	4.9	0.00%	128.1	0.00%
i26	Industrial	36	52.0	0.00%	52.0	0.00%	43.3	0.00%
i27	Industrial	0	0.0	0.00%	0.0	0.00%	21.7	0.00%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	505.3	0.01%
i239	Industrial	563	3,808.7	0.09%	3,808.7	0.09%	481.8	0.01%
i241	Industrial	29	2,696.8	0.06%	2,696.8	0.06%	3,273.2	0.08%
i242	Industrial	238	0.7	0.00%	0.7	0.00%	682.8	0.02%
i243	Industrial	0	0.0	0.00%	0.0	0.00%	241.6	0.01%
i244	Industrial	0	0.0	0.00%	0.0	0.00%	1,952.1	0.04%
d176	Training	0	0.0	0.00%	0.0	0.00%	31.6	0.00%
d180	Training	1,377	598.3	0.01%	673.1	0.02%	452.3	0.01%
mdisspt	Training	0	0.0	0.00%	0.0	0.00%	105.5	0.00%
ta046	Training	0	0.0	0.00%	0.0	0.00%	32.0	0.00%
ta047	Training	0	0.0	0.00%	0.0	0.00%	32.0	0.00%
ta053	Training	0	0.0	0.00%	0.0	0.00%	33.6	0.00%
ta067	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta068	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta069	Training	30	31.6	0.00%	31.6	0.00%	19.1	0.00%
ta070	Training	439	725.1	0.02%	975.1	0.02%	609.8	0.01%
ta076	Training	0	0.0	0.00%	0.0	0.00%	34.7	0.00%
ta077	Training	0	0.0	0.00%	0.0	0.00%	50.0	0.00%
ta079	Training	282	336.7	0.01%	224.7	0.01%	178.7	0.00%
ta080	Training	22	180.0	0.00%	120.0	0.00%	177.8	0.00%
ta081	Training	0	0.0	0.00%	0.0	0.00%	44.4	0.00%
ta082	Training	0	0.0	0.00%	0.0	0.00%	24.7	0.00%
ta083	Training	0	0.0	0.00%	0.0	0.00%	32.1	0.00%
d191	Service	341	0.0	0.00%	622.7	0.01%	4.2	0.00%
y01	Service	0	0.0	0.00%	0.0	0.00%	74.8	0.00%
y02	Service	132	0.5	0.00%	3,624.2	0.08%	484.3	0.01%
y23	Service	0	0.0	0.00%	0.0	0.00%	55.6	0.00%
z19	Service	1,708	974.3	0.02%	988.9	0.02%	84,699.5	1.95%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.6	0.00%
d177	UoE Access	2	0.1	0.00%	0.1	0.00%	84.9	0.00%
DirectorsTime Total		13,578	73,938.3	1.70%	103,652.8	2.38%	147,188.9	3.38%
y07	Service	0	0.0	0.00%	0.0	0.00%	849.3	0.02%
z01	Service	0	0.0	0.00%	0.0	0.00%	849.3	0.02%
z02	Service	32	1.2	0.00%	1.2	0.00%	373.0	0.01%
CSE Total		32	1.2	0.00%	1.2	0.00%	2,071.7	0.05%
Total		144,694	2,134,418.0	49.06%	4,042,184.7	92.90%	3,395,344.2	78.04%

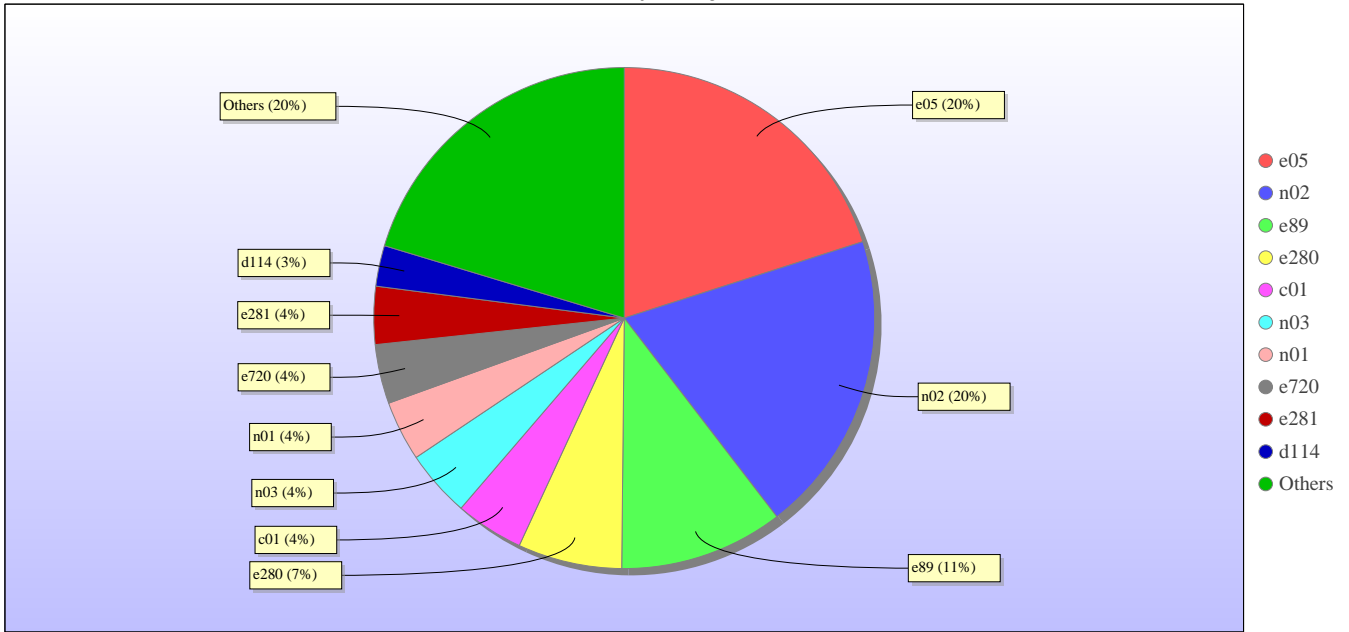
Use by Project



Uncharged Use by Project



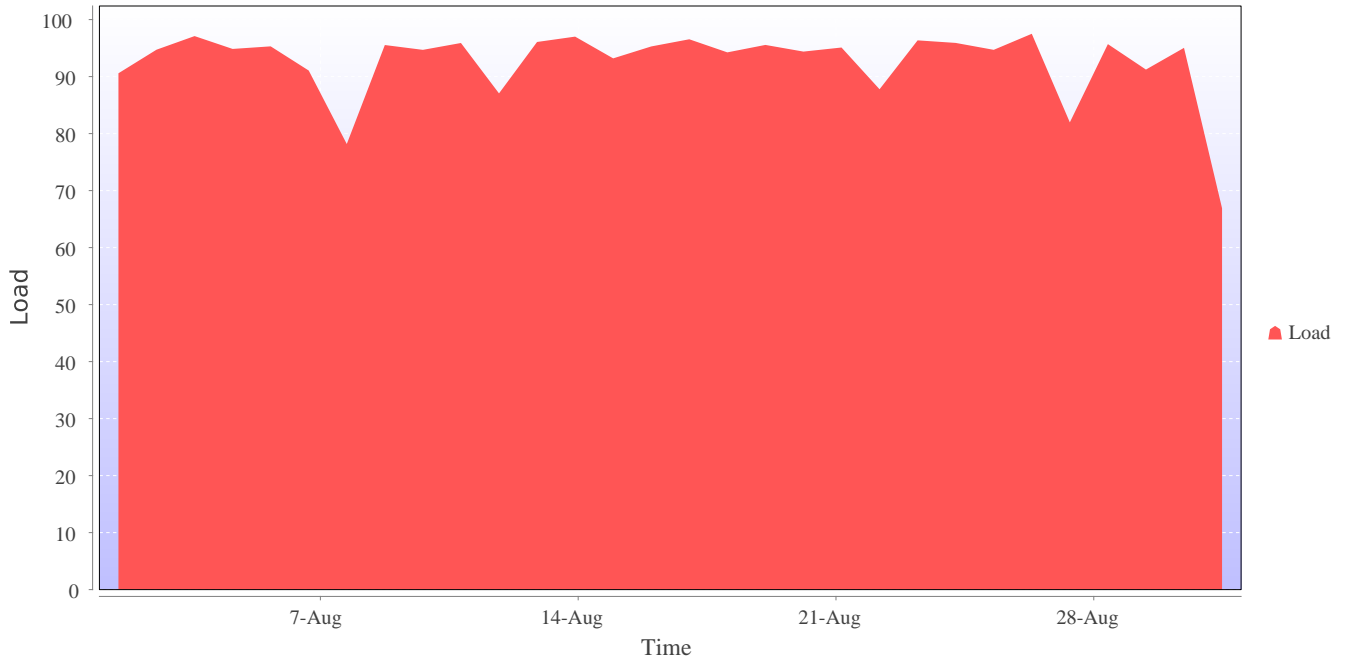
Jobs by Project



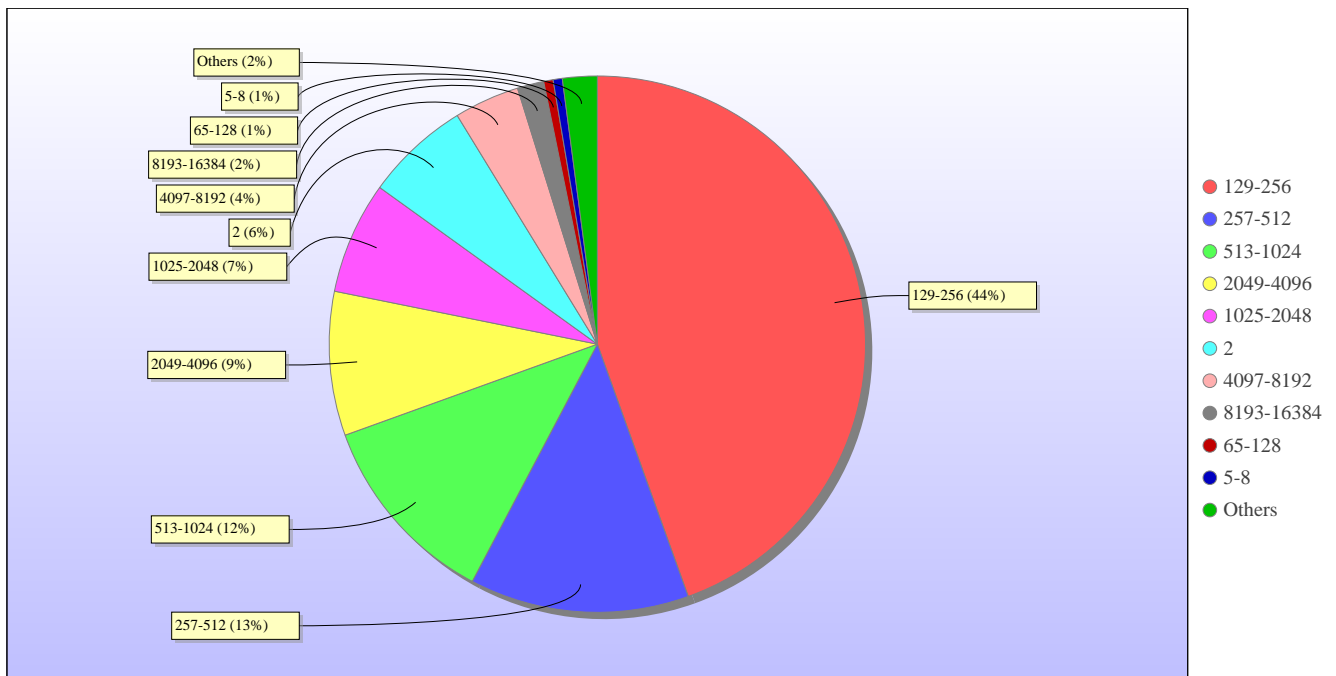
CUs (by Size)

Size	CUs	Number of Jobs
1	0	113
2	0	9,144
3-4	0	112
5-8	0	799
9-16	0	452
17-32	0	290
33-64	0	204
65-128	0	822
129-256	138,678.831	64,377
257-512	102,992.56	19,139
513-1024	234,570.667	17,023
1025-2048	266,838.438	9,786
2049-4096	365,210.091	12,559
4097-8192	346,369.983	5,700
8193-16384	196,151.306	2,316
16385-32768	264,247.142	793
32769-65536	159,420.501	456
65537-131072	15,253.524	356
131073-262144	4,008.107	242
262145-524288	3,969.138	2
524289-1048576	311.751	1

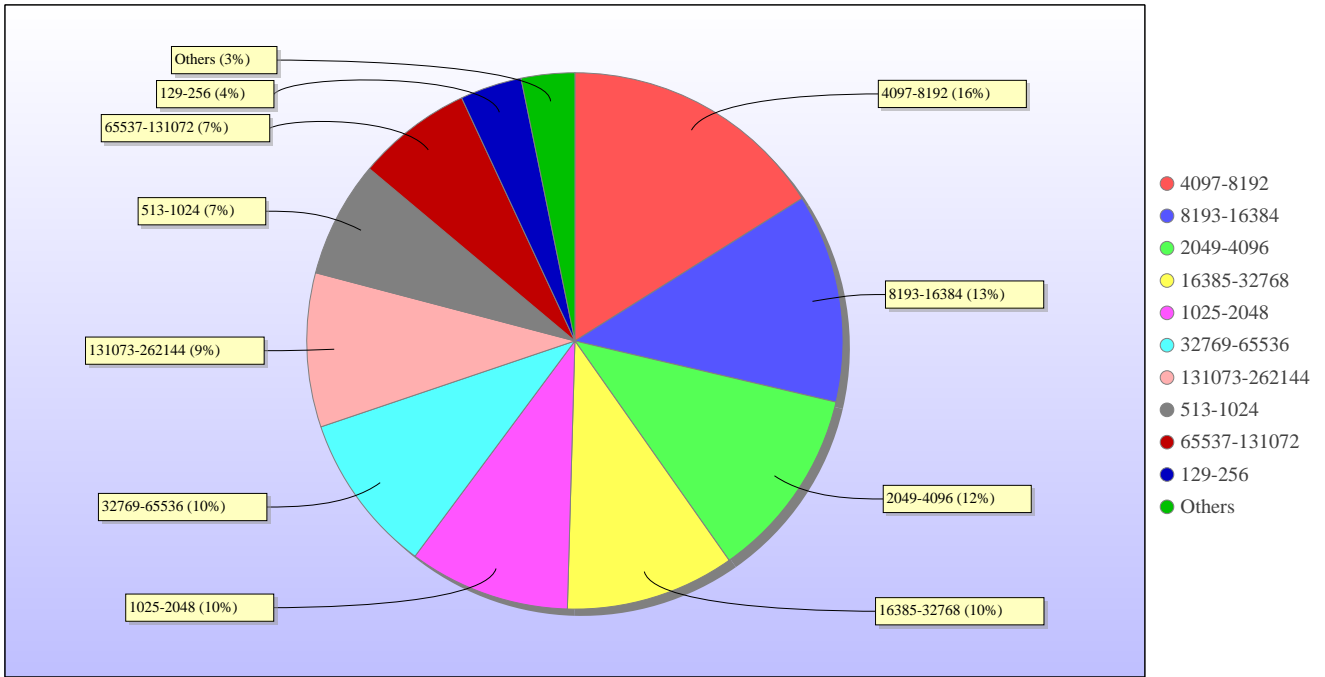
Load plots



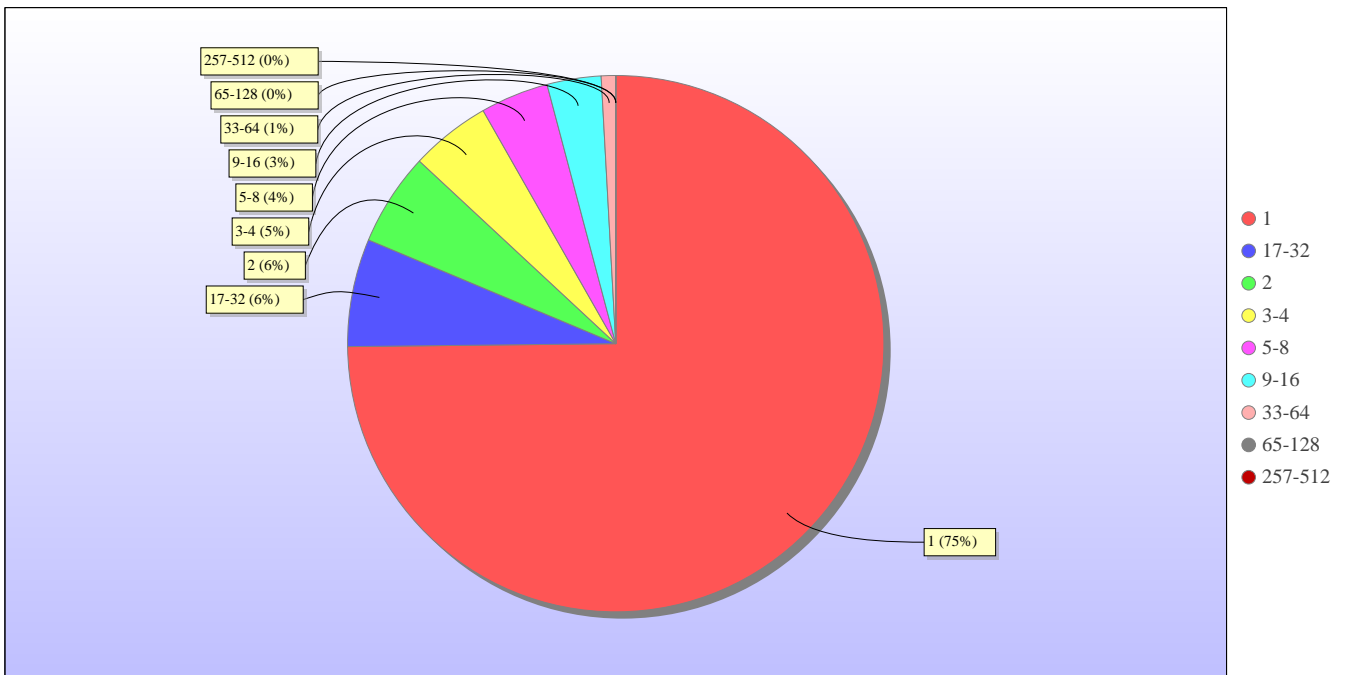
Percentage load on machine



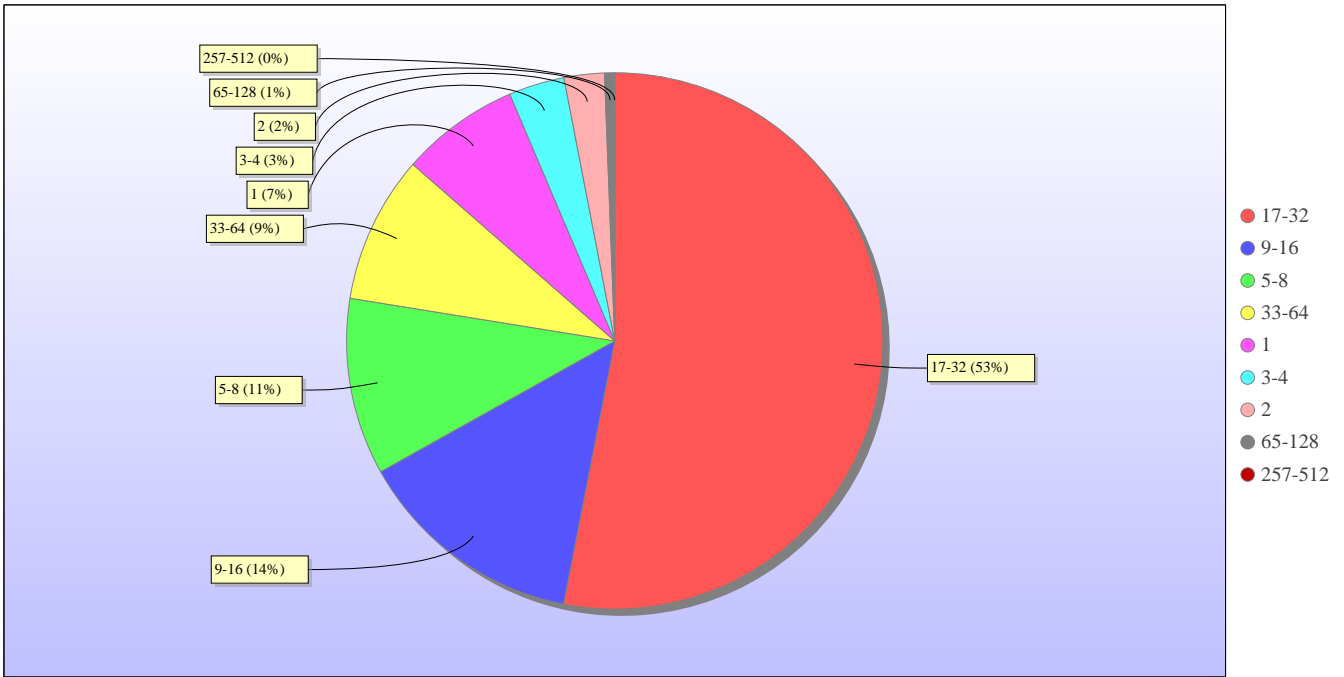
Jobs by Size



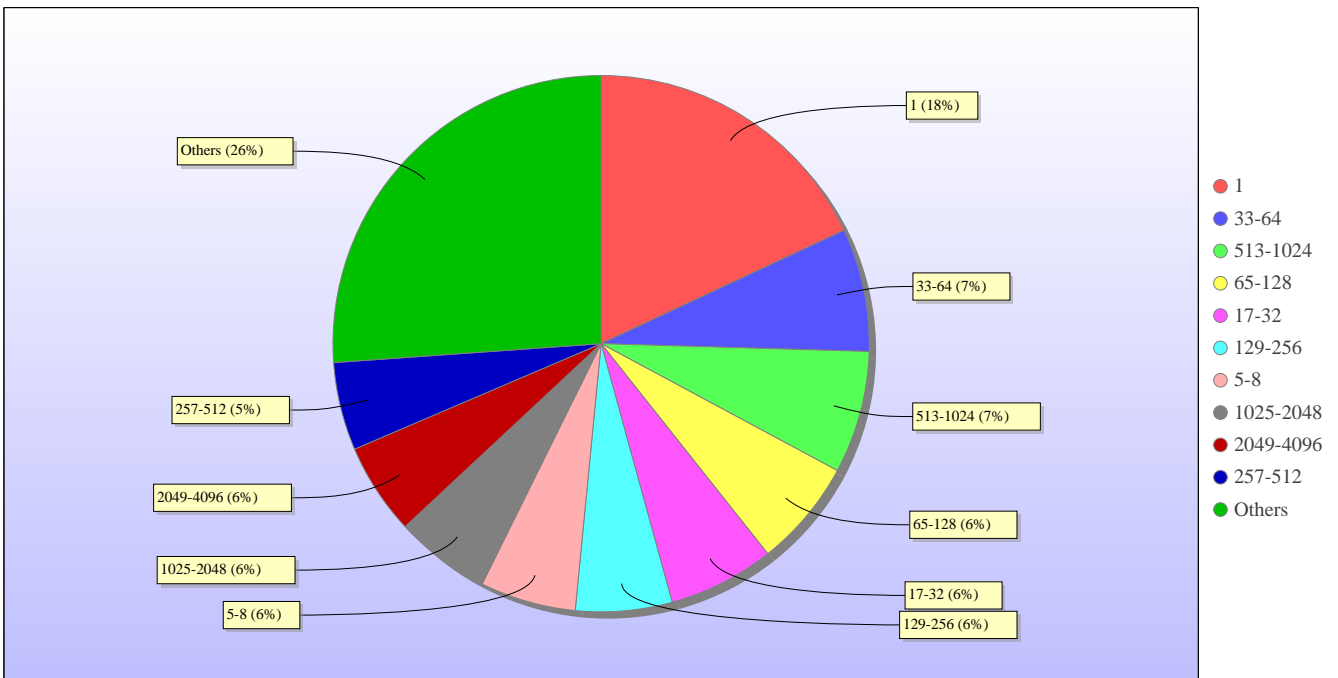
CUs used by Size



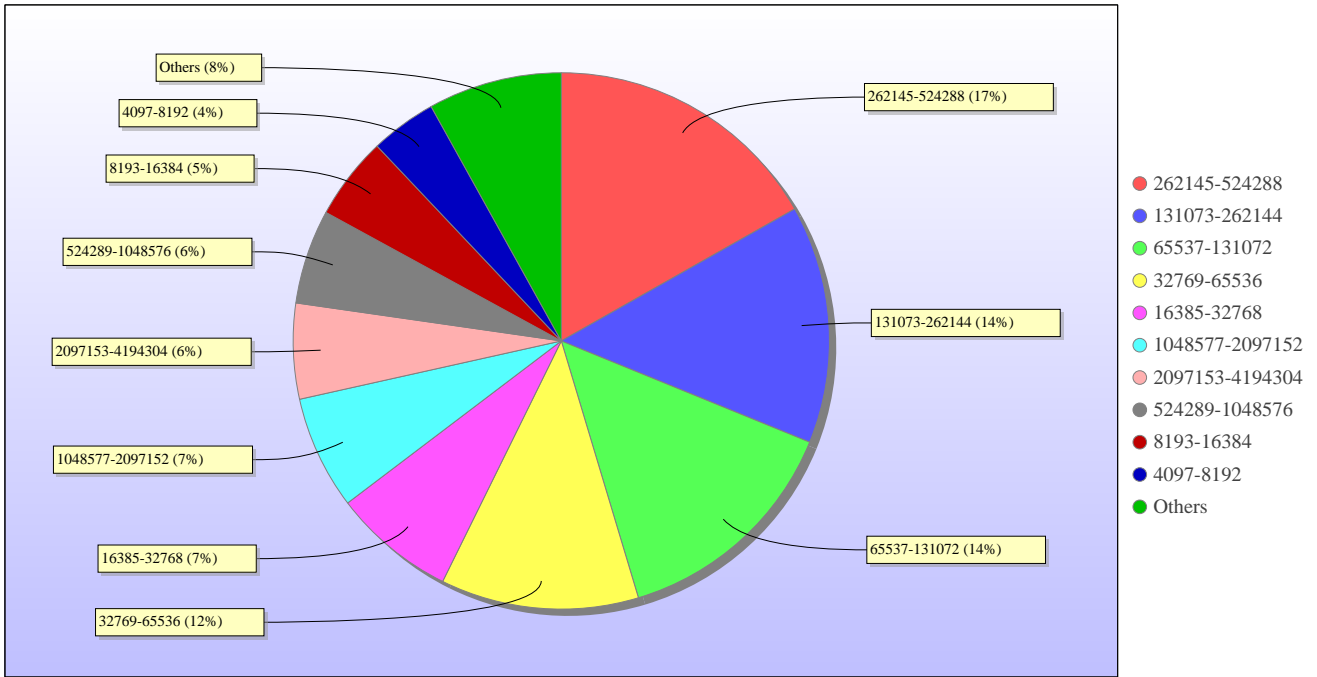
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

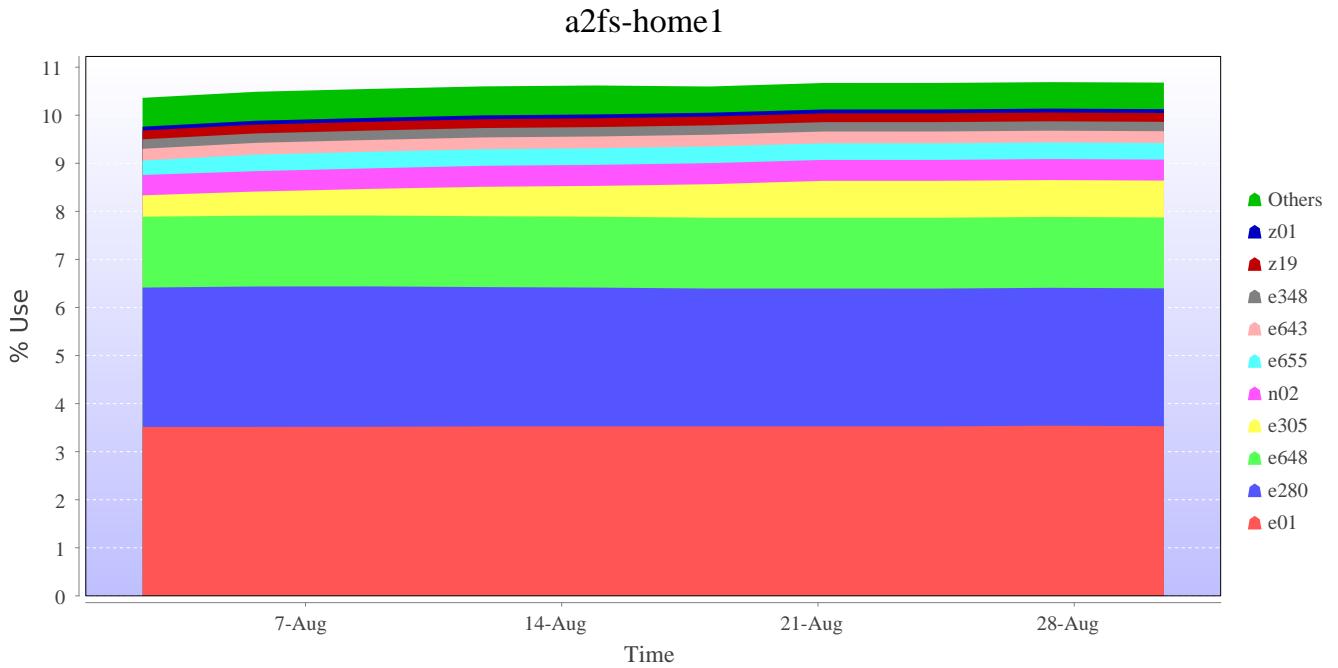


CUs used grouped by core-hours

Disk usage

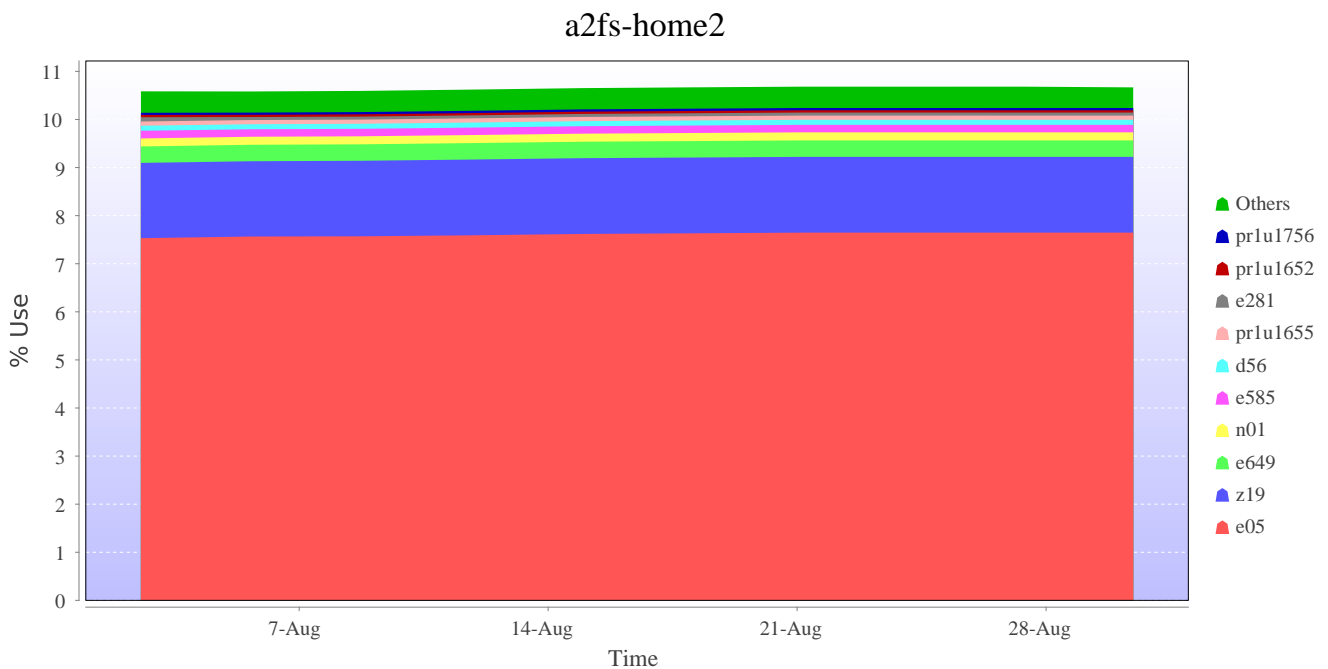
Disk usage for home (a2fs-home1)

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.



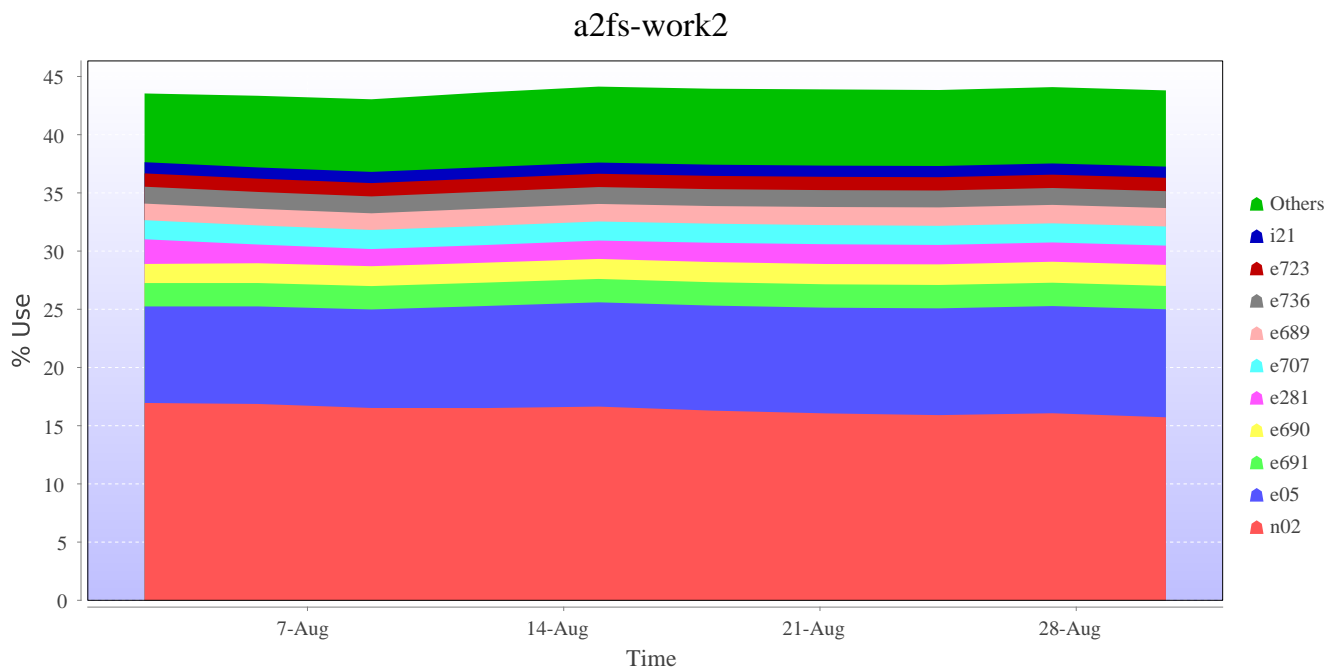
Disk usage for home (a2fs-home2)

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 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.

