

Monthly Reporting

Report from 01 October 2022 to 31 October 2022

Report for Resource Pool Archer2 on archer2

A total of 4,356,760 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.

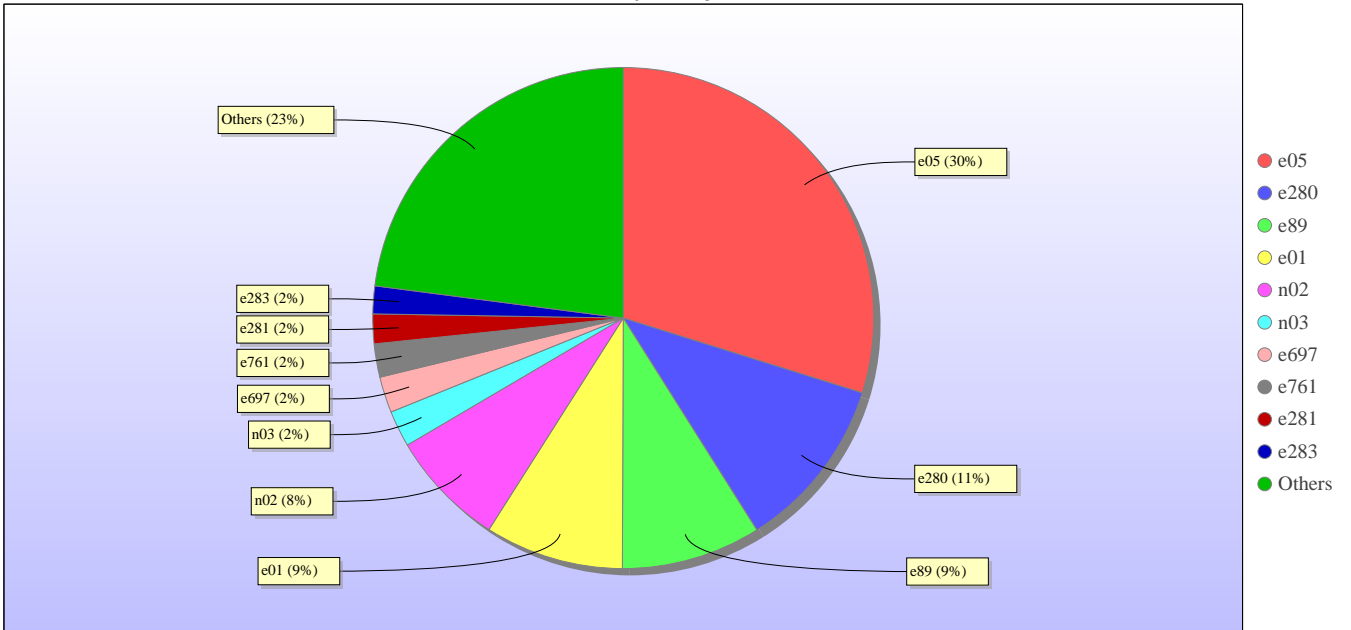
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e572	Leadership Awards	140	417.4	0.01%	417.4	0.01%	2,143.3	0.05%
e645	Leadership Awards	3	277.7	0.01%	277.7	0.01%	0.0	0.00%
e684	Leadership Awards	149	217.1	0.00%	217.1	0.00%	1,513.6	0.03%
e683	Pioneer Projects	1,447	20,086.2	0.46%	20,087.5	0.46%	14,033.1	0.32%
e685	Pioneer Projects	2,319	20,750.5	0.48%	58,999.5	1.35%	20,746.0	0.48%
e686	Pioneer Projects	543	35,095.9	0.81%	35,415.9	0.81%	18,553.3	0.43%
e687	Pioneer Projects	673	16,984.4	0.39%	16,984.4	0.39%	16,866.7	0.39%
e688	Pioneer Projects	323	3,494.5	0.08%	3,521.0	0.08%	22,348.3	0.51%
e689	Pioneer Projects	18	0.0	0.00%	88.7	0.00%	27,155.3	0.62%
e690	Pioneer Projects	365	11,791.6	0.27%	19,608.1	0.45%	25,300.0	0.58%
e691	Pioneer Projects	53	19,745.3	0.45%	19,745.3	0.45%	25,793.8	0.59%
e692	Pioneer Projects	312	61,347.3	1.41%	61,347.3	1.41%	19,470.9	0.45%
e693	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	24,895.2	0.57%
c01	Class1a	588	26,238.0	0.60%	28,851.2	0.66%	27,374.7	0.63%
e348	Class1a	1,646	5,791.6	0.13%	5,791.6	0.13%	10,845.3	0.25%
e575	Class1a	112	293.3	0.01%	293.3	0.01%	3,429.2	0.08%
e607	Class1a	574	4,585.4	0.11%	43,900.4	1.01%	10,030.6	0.23%
e609	Class1a	555	42.3	0.00%	3,019.2	0.07%	3,279.0	0.08%
e642	Class1a	252	2,381.6	0.05%	2,381.6	0.05%	4,843.0	0.11%
e643	Class1a	486	5,101.6	0.12%	5,101.6	0.12%	3,033.2	0.07%
e647	Class1a	236	84.3	0.00%	17,726.5	0.41%	1,983.5	0.05%
e649	Class1a	0	0.0	0.00%	0.0	0.00%	931.7	0.02%
e655	Class1a	458	1,559.2	0.04%	63,887.5	1.47%	2,815.3	0.06%
e663	Class1a	0	0.0	0.00%	0.0	0.00%	3,356.8	0.08%
e664	Class1a	0	0.0	0.00%	0.0	0.00%	895.2	0.02%
e667	Class1a	32	795.6	0.02%	795.6	0.02%	2,114.5	0.05%
e694	Class1a	169	4,956.9	0.11%	4,981.9	0.11%	2,836.5	0.07%
e696	Class1a	426	970.7	0.02%	1,708.3	0.04%	348.5	0.01%
e697	Class1a	131	23,292.8	0.53%	86,185.0	1.98%	8,784.7	0.20%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e700	Class1a	13	527.2	0.01%	527.2	0.01%	4,452.8	0.10%
e701	Class1a	42	11,032.4	0.25%	11,032.4	0.25%	2,007.3	0.05%
e702	Class1a	0	0.0	0.00%	0.0	0.00%	1,007.6	0.02%
e705	Class1a	40	888.9	0.02%	888.9	0.02%	3,721.1	0.09%
e706	Class1a	0	0.0	0.00%	0.0	0.00%	850.1	0.02%
e707	Class1a	51	43.2	0.00%	43.2	0.00%	11,961.2	0.27%
e708	Class1a	0	0.0	0.00%	0.0	0.00%	4,691.2	0.11%
e710	Class1a	1	0.3	0.00%	0.3	0.00%	4,115.1	0.09%
e712	Class1a	9	3,554.0	0.08%	3,554.0	0.08%	16,866.7	0.39%
e720	Class1a	10,505	16,978.2	0.39%	21,744.0	0.50%	22,719.2	0.52%
e721	Class1a	37	21.9	0.00%	23.1	0.00%	2,814.2	0.06%
e724	Class1a	100	1.4	0.00%	1.4	0.00%	11,830.8	0.27%
e728	Class1a	108	2,052.3	0.05%	2,052.3	0.05%	2,435.1	0.06%
e751	Class1a	22	1,208.4	0.03%	1,208.4	0.03%	5,056.6	0.12%
e752	Class1a	0	0.0	0.00%	0.0	0.00%	3,581.7	0.08%
e758	Class1a	0	0.0	0.00%	0.0	0.00%	3,602.1	0.08%
e761	Class1a	288	0.0	0.00%	79,898.7	1.83%	1,684.0	0.04%
e763	Class1a	0	0.0	0.00%	0.0	0.00%	337.3	0.01%
e764	Class1a	20	14.1	0.00%	14.1	0.00%	20,100.3	0.46%
e6337	Class1a	37	4,350.1	0.10%	4,350.1	0.10%	2,554.1	0.06%
e01	Consortia	1,708	124,910.6	2.87%	332,486.7	7.63%	226,043.5	5.19%
e05	Consortia	37,451	444,944.4	10.21%	1,108,330.5	25.44%	715,804.7	16.43%
e89	Consortia	13,930	248,159.5	5.70%	334,706.3	7.68%	339,065.2	7.78%
e280	Consortia	10,754	151,173.3	3.47%	416,779.9	9.57%	150,695.9	3.46%
e281	Consortia	1,905	64,748.5	1.49%	70,999.4	1.63%	75,348.4	1.73%
e283	Consortia	3,596	58,300.0	1.34%	66,493.2	1.53%	37,674.2	0.86%
e305	Consortia	1,830	41,171.4	0.95%	54,638.0	1.25%	113,021.7	2.59%
e585	Consortia	990	10,977.0	0.25%	29,506.6	0.68%	113,021.7	2.59%
e739	Pump Priming	186	1,306.1	0.03%	1,306.1	0.03%	679.3	0.02%
e749	Pump Priming	36	177.9	0.00%	177.9	0.00%	449.5	0.01%
e754	Pump Priming	58	19.9	0.00%	19.9	0.00%	685.8	0.02%
e755	Pump Priming	0	0.0	0.00%	0.0	0.00%	660.3	0.02%
e757	Pump Priming	4	58.0	0.00%	58.0	0.00%	617.6	0.01%
e759	Pump Priming	0	0.0	0.00%	0.0	0.00%	668.6	0.02%
e762	Pump Priming	9	249.4	0.01%	249.5	0.01%	374.5	0.01%
e766	Pump Priming	11	102.4	0.00%	102.4	0.00%	129.2	0.00%
ta037	Training	0	0.0	0.00%	0.0	0.00%	63.7	0.00%
ta038	Training	0	0.0	0.00%	0.0	0.00%	63.7	0.00%
ta052	Training	0	0.0	0.00%	0.0	0.00%	512.1	0.01%
e632	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,674.0	0.08%
e673	Access to HPC	183	7,417.7	0.17%	48,162.3	1.11%	2,476.5	0.06%
e676	Access to HPC	23	627.6	0.01%	627.6	0.01%	0.0	0.00%
e677	Access to HPC	0	0.0	0.00%	0.0	0.00%	7,326.5	0.17%
e727	Access to HPC	15	196.8	0.00%	204.5	0.00%	3,316.8	0.08%
e730	Access to HPC	289	4,670.9	0.11%	4,670.9	0.11%	3,238.4	0.07%
e731	Access to HPC	243	7,494.5	0.17%	7,494.5	0.17%	9,183.6	0.21%
e732	Access to HPC	25	247.6	0.01%	247.6	0.01%	5,060.0	0.12%
e733	Access to HPC	0	0.0	0.00%	0.0	0.00%	4,209.9	0.10%
e734	Access to HPC	105	5,571.6	0.13%	5,571.6	0.13%	7,702.1	0.18%
e735	Access to HPC	121	745.4	0.02%	792.5	0.02%	10,492.4	0.24%
e736	Access to HPC	57	0.0	0.00%	4,703.6	0.11%	12,144.0	0.28%
e742	Access to HPC	215	3,016.0	0.07%	3,016.0	0.07%	1,310.0	0.03%
e743	Access to HPC	229	7,526.3	0.17%	7,526.3	0.17%	8,470.2	0.19%
e744	Access to HPC	124	673.2	0.02%	2,783.0	0.06%	5,102.7	0.12%
e745	Access to HPC	0	0.0	0.00%	0.0	0.00%	1,934.1	0.04%
e746	Access to HPC	9	10,081.9	0.23%	10,081.9	0.23%	15,616.7	0.36%
e747	Access to HPC	21	147.6	0.00%	147.6	0.00%	21,552.7	0.49%
e748	Access to HPC	137	52,949.5	1.22%	53,900.3	1.24%	24,992.2	0.57%
EPSRC Total		97,547	1,554,638.5	35.68%	3,192,456.4	73.28%	2,355,492.0	54.07%
n01	Consortia	2,552	40,100.4	0.92%	40,274.2	0.92%	150,190.6	3.45%
n02	Consortia	40,558	240,094.5	5.51%	279,935.4	6.43%	535,532.5	12.29%
n03	Consortia	2,275	87,111.1	2.00%	87,156.5	2.00%	166,689.5	3.83%
NERC Total		45,385	367,306.0	8.43%	407,366.0	9.35%	852,412.7	19.57%

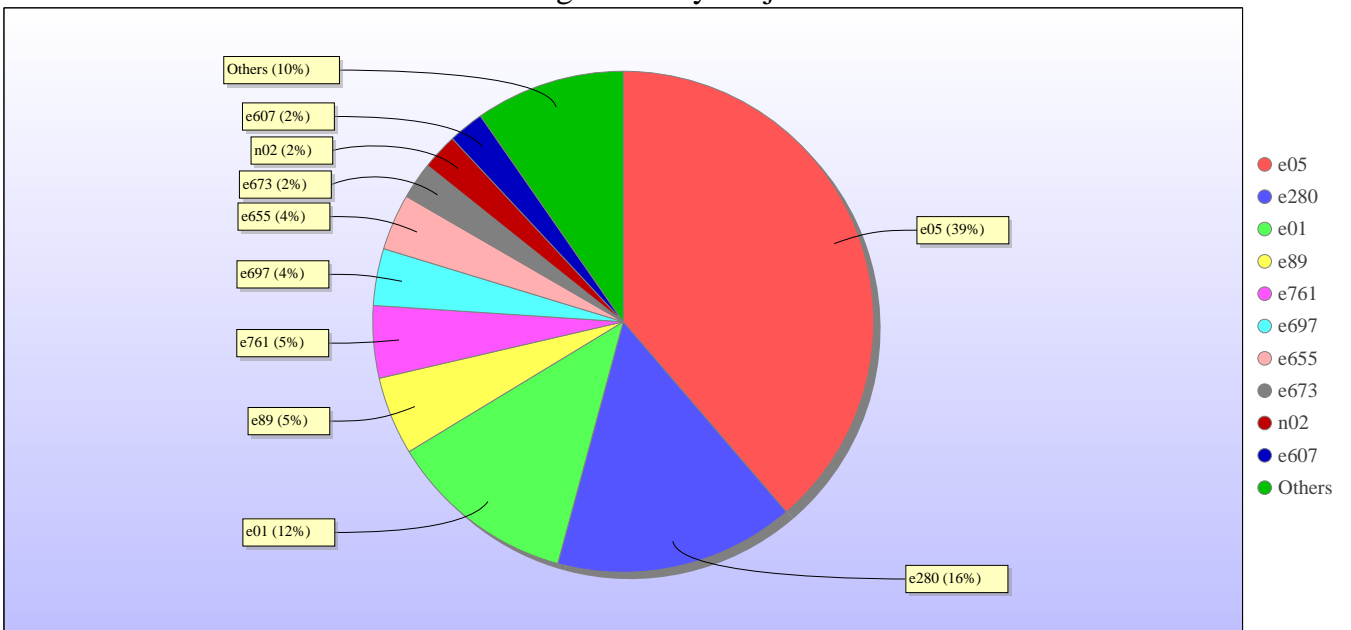
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
b19	Class1a	136	2,418.3	0.06%	2,418.3	0.06%	1,985.4	0.05%
BBSRC Total		136	2,418.3	0.06%	2,418.3	0.06%	1,985.4	0.05%
e756	Leadership Awards	0	0.0	0.00%	0.0	0.00%	30.1	0.00%
e760	Leadership Awards	23	2,505.6	0.06%	2,505.6	0.06%	1,057.7	0.02%
e723	Class1a	698	23,298.0	0.53%	28,007.3	0.64%	25,438.2	0.58%
e738	Class1a	74	19.0	0.00%	19.2	0.00%	8,433.3	0.19%
UKRI Total		795	25,822.6	0.59%	30,532.0	0.70%	34,959.4	0.80%
pr1u1555	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	428.4	0.01%
pr1u1657	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	532.9	0.01%
pr1u1751	DECI: EXEC	737	3,463.7	0.08%	3,463.7	0.08%	1,349.2	0.03%
pr1u1756	DECI: EXEC	670	10,332.4	0.24%	10,332.4	0.24%	6,803.9	0.16%
PRACE Total		1,407	13,796.1	0.32%	13,796.1	0.32%	9,114.4	0.21%
ecseaa11	eCSE	107	591.8	0.01%	591.8	0.01%	68.8	0.00%
ecseaa13	eCSE	16	538.1	0.01%	725.1	0.02%	91.3	0.00%
ecseaa19	eCSE	0	0.0	0.00%	0.0	0.00%	99.7	0.00%
ecseaa26	eCSE	164	3,471.8	0.08%	4,993.4	0.11%	237.4	0.01%
ecseaa28	eCSE	165	5.7	0.00%	9,801.9	0.22%	40.9	0.00%
ecseab02	eCSE	0	0.0	0.00%	0.0	0.00%	93.2	0.00%
ecseac04	eCSE	0	0.0	0.00%	0.0	0.00%	98.3	0.00%
ecseac05	eCSE	0	0.0	0.00%	0.0	0.00%	64.0	0.00%
ecseac12	eCSE	0	0.0	0.00%	0.0	0.00%	84.3	0.00%
ecseac14	eCSE	0	0.0	0.00%	0.0	0.00%	65.4	0.00%
ecseac15	eCSE	0	0.0	0.00%	0.0	0.00%	134.2	0.00%
ecsead01	eCSE	0	0.0	0.00%	0.0	0.00%	98.4	0.00%
ecsead02	eCSE	0	0.0	0.00%	0.0	0.00%	163.2	0.00%
ecsead03	eCSE	0	0.0	0.00%	0.0	0.00%	128.6	0.00%
ecsead06	eCSE	46	2,053.0	0.05%	2,053.0	0.05%	352.5	0.01%
ecsead08	eCSE	85	44.4	0.00%	402.2	0.01%	78.1	0.00%
ecseae03	eCSE	0	0.0	0.00%	0.0	0.00%	93.7	0.00%
ecseae04	eCSE	0	0.0	0.00%	0.0	0.00%	119.7	0.00%
ecseae08	eCSE	0	0.0	0.00%	0.0	0.00%	119.4	0.00%
ecseae09	eCSE	0	0.0	0.00%	0.0	0.00%	116.9	0.00%
ecseaf01	eCSE	13	0.1	0.00%	0.1	0.00%	104.6	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%	50.8	0.00%
ecseaf04	eCSE	0	0.0	0.00%	0.0	0.00%	65.2	0.00%
ecseaf06	eCSE	0	0.0	0.00%	0.0	0.00%	100.9	0.00%
ecseag02	eCSE	32	29.4	0.00%	29.4	0.00%	87.2	0.00%
ecseag06	eCSE	84	1.8	0.00%	3.3	0.00%	43.2	0.00%
eCSE Total		712	6,736.1	0.15%	18,600.3	0.43%	2,852.6	0.07%
d35	Research	24	3.7	0.00%	3.7	0.00%	185.9	0.00%
d56	Research	68	1,414.1	0.03%	1,414.1	0.03%	0.0	0.00%
d011	Research	0	0.0	0.00%	0.0	0.00%	39.9	0.00%
d114	Research	340	3,761.7	0.09%	3,761.7	0.09%	5,233.3	0.12%
d137	Research	0	0.0	0.00%	0.0	0.00%	1,683.9	0.04%
d142	Research	0	0.0	0.00%	0.0	0.00%	5,105.5	0.12%
d170	Research	0	0.0	0.00%	0.0	0.00%	50.6	0.00%
d175	Research	0	0.0	0.00%	0.0	0.00%	11.0	0.00%
d179	Research	0	0.0	0.00%	0.0	0.00%	1,700.9	0.04%
d192	Research	0	0.0	0.00%	0.0	0.00%	33.3	0.00%
d193	Research	34	0.0	0.00%	1.0	0.00%	340.2	0.01%
dc129	Research	631	158.4	0.00%	158.4	0.00%	1,700.9	0.04%
d105	Industrial	0	0.0	0.00%	0.0	0.00%	3,373.3	0.08%
d181	Industrial	320	0.0	0.00%	18,765.0	0.43%	1,275.7	0.03%
d190	Industrial	0	0.0	0.00%	0.0	0.00%	1,700.9	0.04%
d433	Industrial	14	2.7	0.00%	2.7	0.00%	78.4	0.00%
d434	Industrial	0	0.0	0.00%	0.0	0.00%	15.8	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	5.4	0.00%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	2,354.3	0.05%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	16,866.7	0.39%
i24	Industrial	0	0.0	0.00%	0.0	0.00%	33.7	0.00%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
i25	Industrial	52	3.9	0.00%	3.9	0.00%	101.4	0.00%
i26	Industrial	40	21.7	0.00%	21.7	0.00%	212.0	0.00%
i27	Industrial	0	0.0	0.00%	0.0	0.00%	674.5	0.02%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	506.0	0.01%
i239	Industrial	76	540.7	0.01%	540.7	0.01%	734.1	0.02%
i241	Industrial	5	147.8	0.00%	147.8	0.00%	3,277.6	0.08%
i242	Industrial	453	3,194.4	0.07%	3,194.4	0.07%	683.7	0.02%
i243	Industrial	0	0.0	0.00%	0.0	0.00%	242.0	0.01%
i244	Industrial	0	0.0	0.00%	0.0	0.00%	1,954.8	0.04%
d176	Training	55	1.3	0.00%	1.3	0.00%	31.6	0.00%
d180	Training	6	0.0	0.00%	0.0	0.00%	452.9	0.01%
m22oc	Training	0	0.0	0.00%	0.0	0.00%	392.9	0.01%
m22ol	Training	169	46.6	0.00%	46.6	0.00%	392.9	0.01%
m22ext	Training	0	0.0	0.00%	0.0	0.00%	157.2	0.00%
mdisspt	Training	0	0.0	0.00%	0.0	0.00%	148.9	0.00%
m22exts1	Training	0	0.0	0.00%	0.0	0.00%	78.6	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%	33.7	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	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta070	Training	562	700.1	0.02%	700.1	0.02%	610.7	0.01%
ta081	Training	0	0.0	0.00%	0.0	0.00%	20.6	0.00%
ta082	Training	0	0.0	0.00%	0.0	0.00%	22.7	0.00%
ta084	Training	862	4,131.3	0.09%	4,153.0	0.10%	764.8	0.02%
ta085	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta086	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta087	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
d191	Service	0	0.0	0.00%	0.0	0.00%	4.2	0.00%
y01	Service	4	0.2	0.00%	0.2	0.00%	74.9	0.00%
y02	Service	314	6.5	0.00%	202.5	0.00%	485.0	0.01%
y23	Service	0	0.0	0.00%	0.0	0.00%	55.6	0.00%
z19	Service	2,096	17,108.2	0.39%	17,108.2	0.39%	42,639.7	0.98%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.6	0.00%
d177	UoE Access	256	60.0	0.00%	60.0	0.00%	85.0	0.00%
DirectorsTime Total		6,381	31,303.4	0.72%	50,287.1	1.15%	96,806.6	2.22%
y07	Service	0	0.0	0.00%	0.0	0.00%	850.5	0.02%
z01	Service	0	0.0	0.00%	0.0	0.00%	850.5	0.02%
z02	Service	4	0.4	0.00%	0.4	0.00%	373.5	0.01%
CSE Total		4	0.4	0.00%	0.4	0.00%	2,074.4	0.05%
Total		152,367	2,002,021.4	45.95%	3,715,456.7	85.28%	3,355,697.5	77.02%

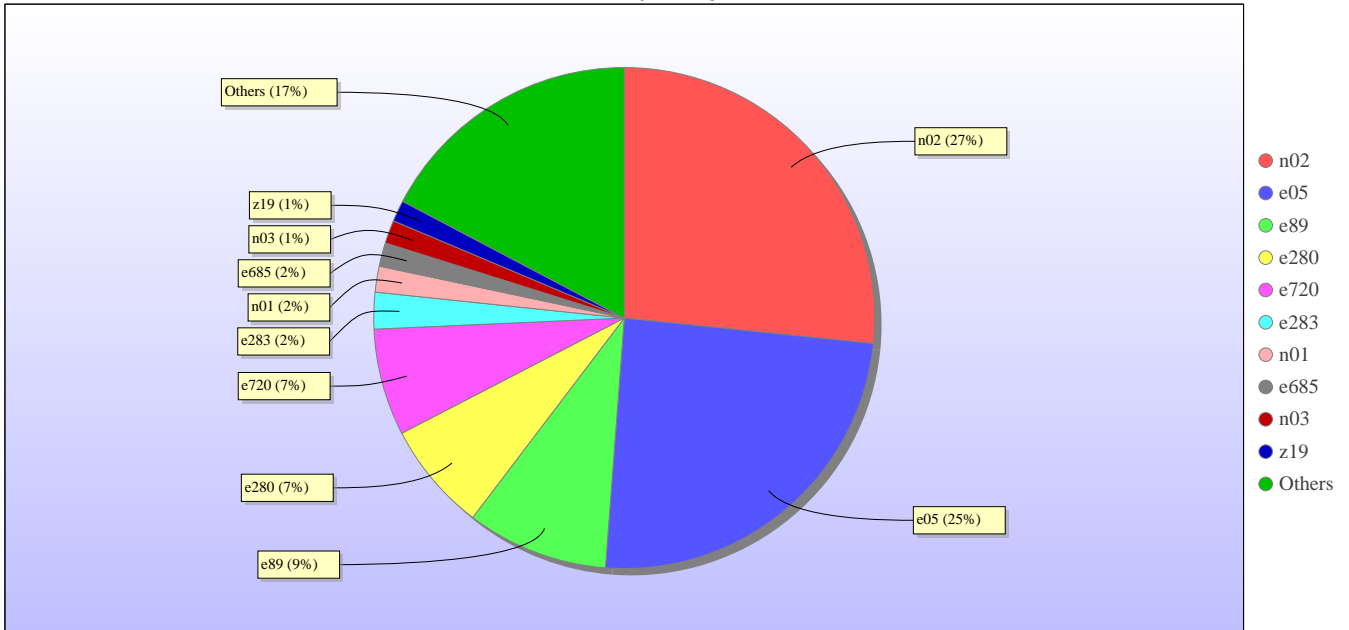
Use by Project



Uncharged Use by Project



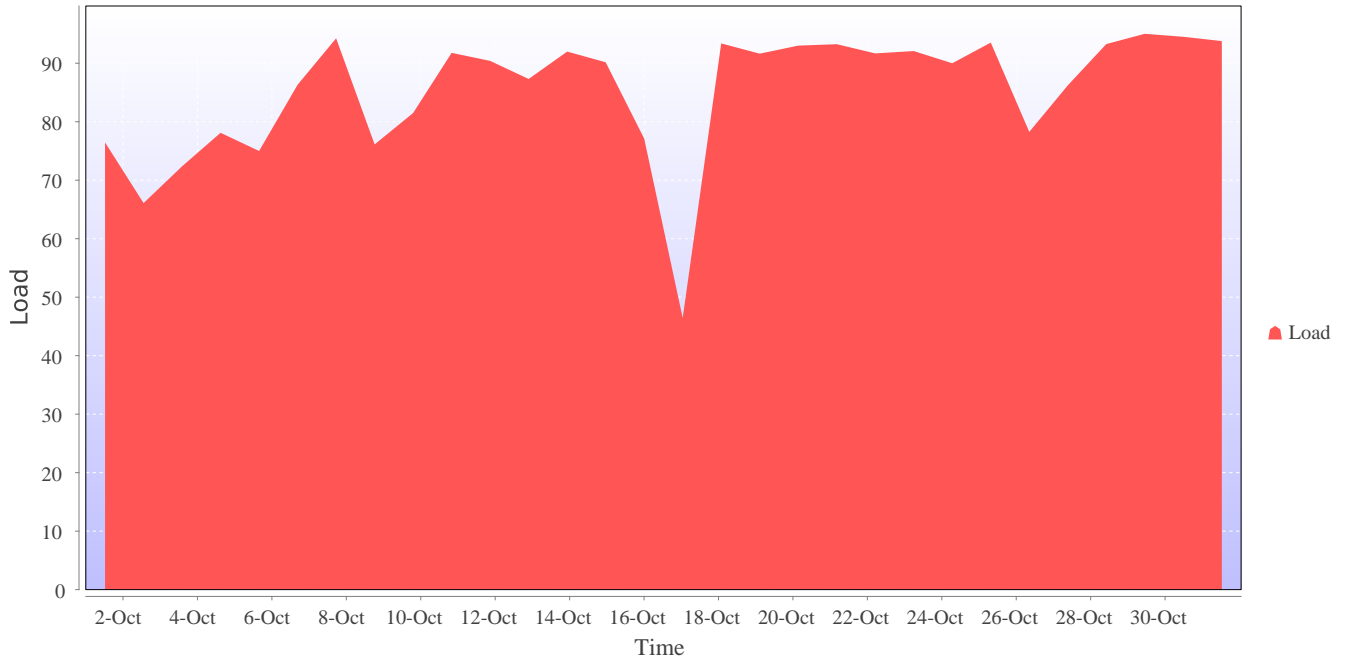
Jobs by Project



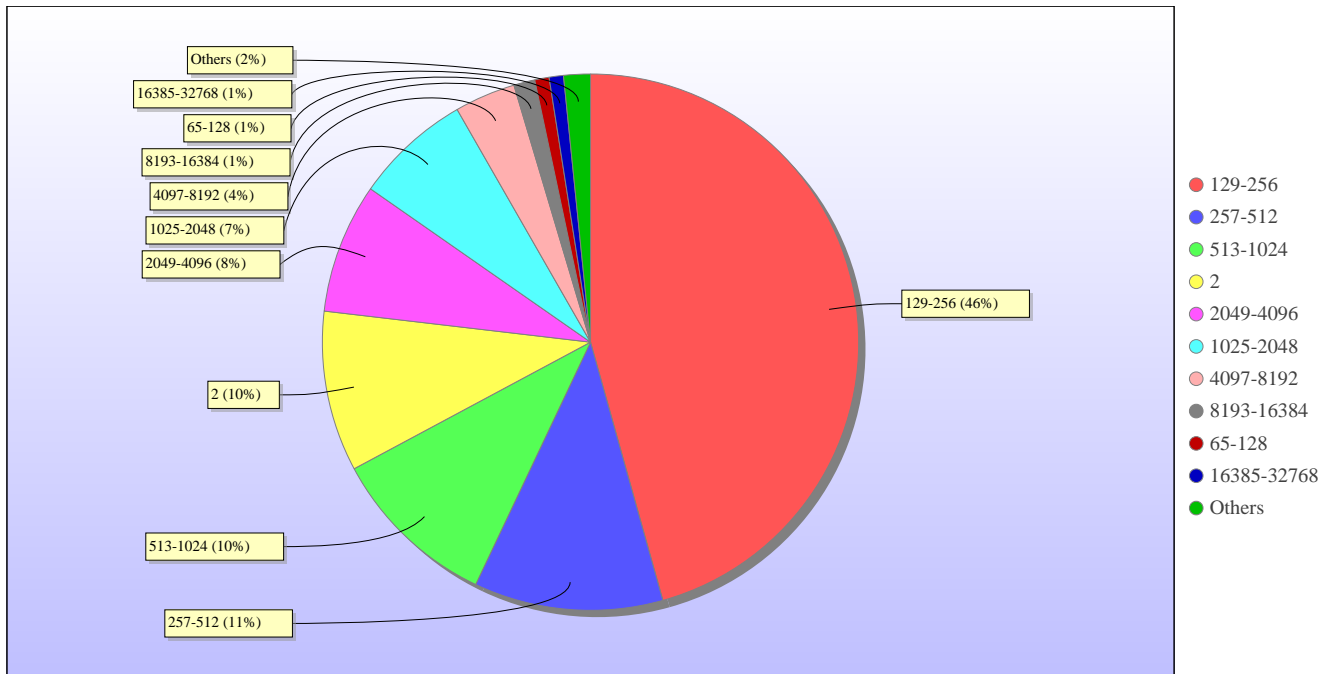
CUs (by Size)

Size	CUs	Number of Jobs
1	0	305
2	0	14,743
3-4	0	106
5-8	0	1,179
9-16	0	92
17-32	0	164
33-64	0	224
65-128	0	1,322
129-256	155,779.214	69,559
257-512	112,275.948	17,357
513-1024	257,406.929	15,437
1025-2048	209,672.011	10,710
2049-4096	283,366.467	11,938
4097-8192	332,412.751	5,598
8193-16384	334,442.438	1,938
16385-32768	257,510.209	1,313
32769-65536	11,925.43	174
65537-131072	15,154.721	82
131073-262144	19,221.475	116
262145-524288	12,716.373	7
524289-1048576	137.48	3

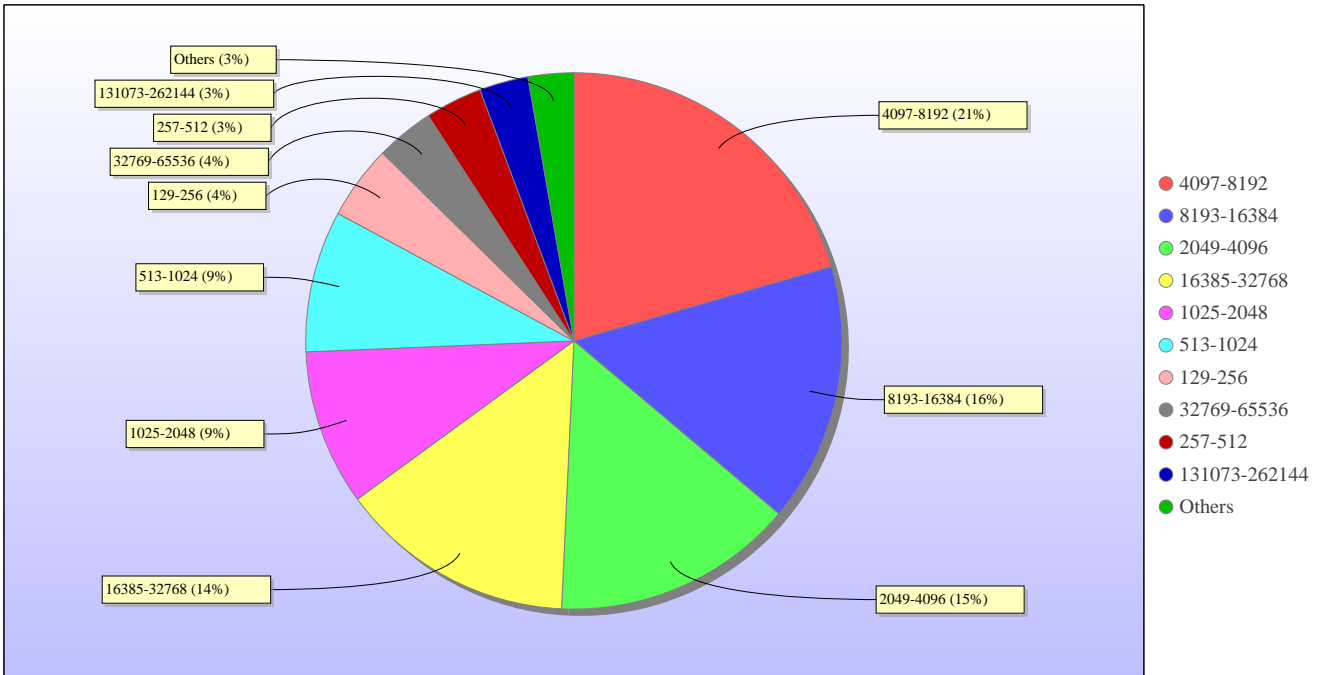
Load plots



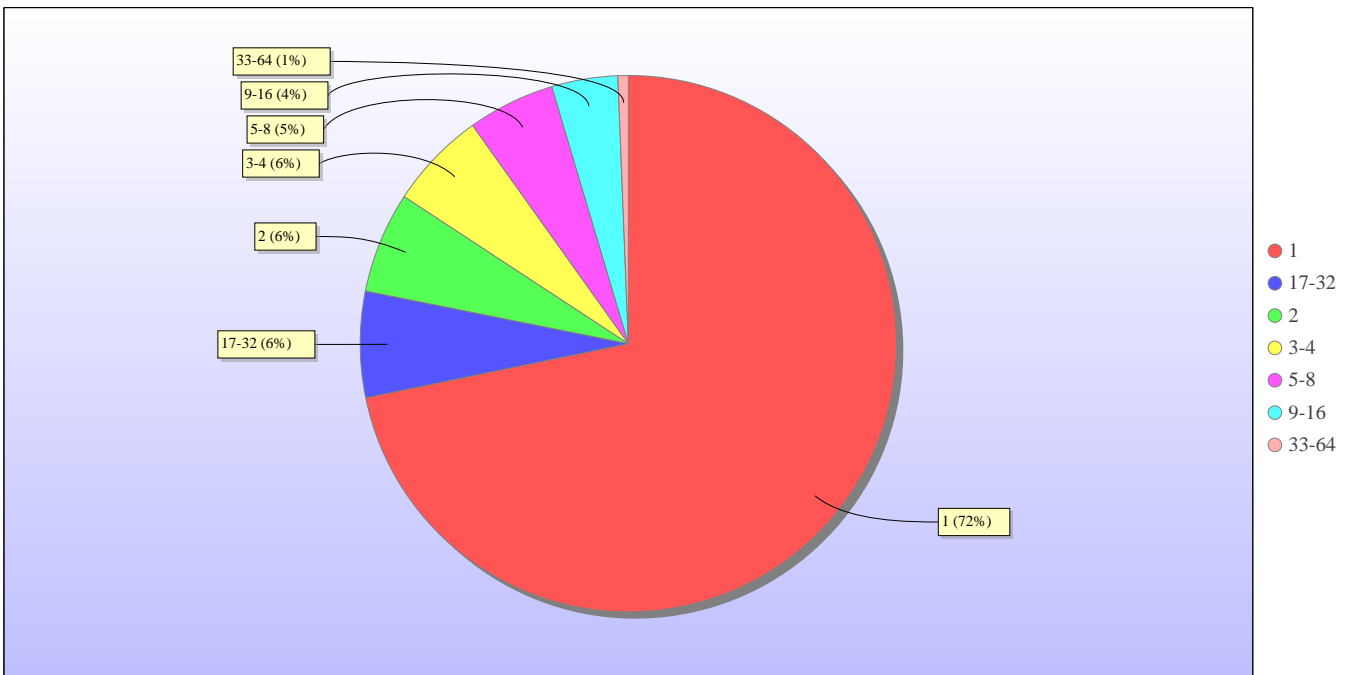
Percentage load on machine



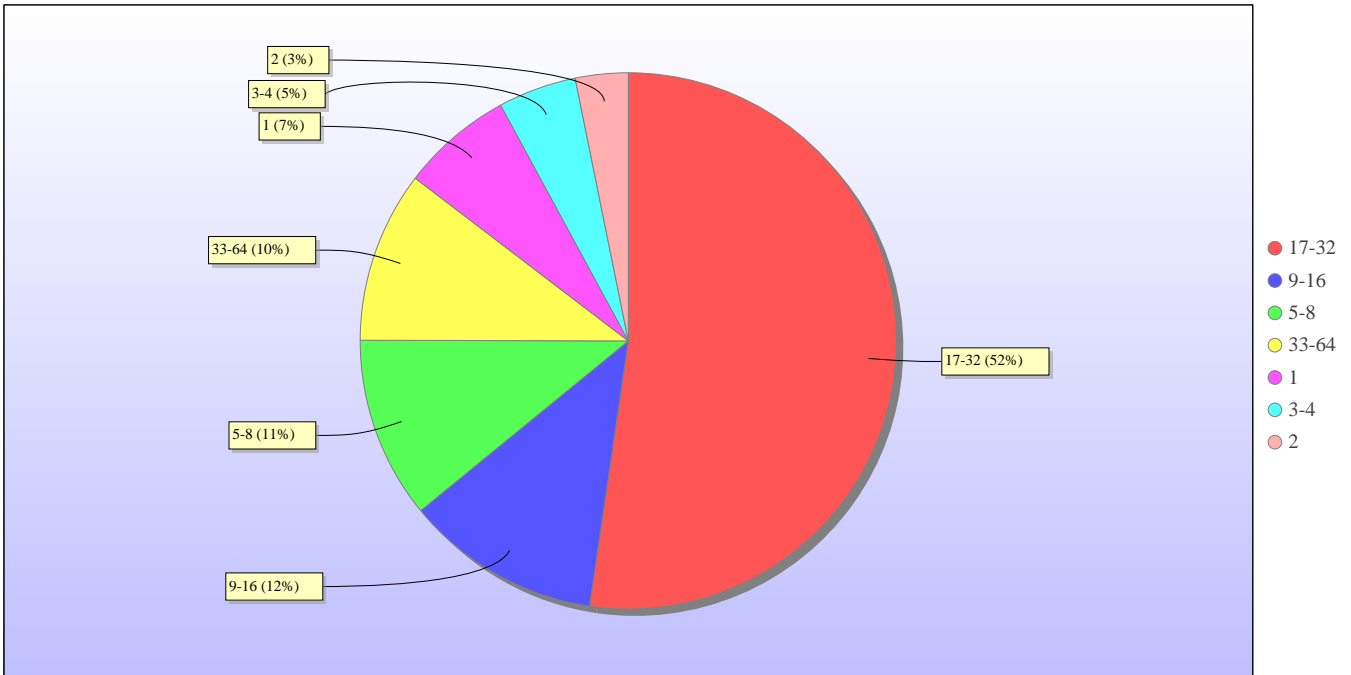
Jobs by Size



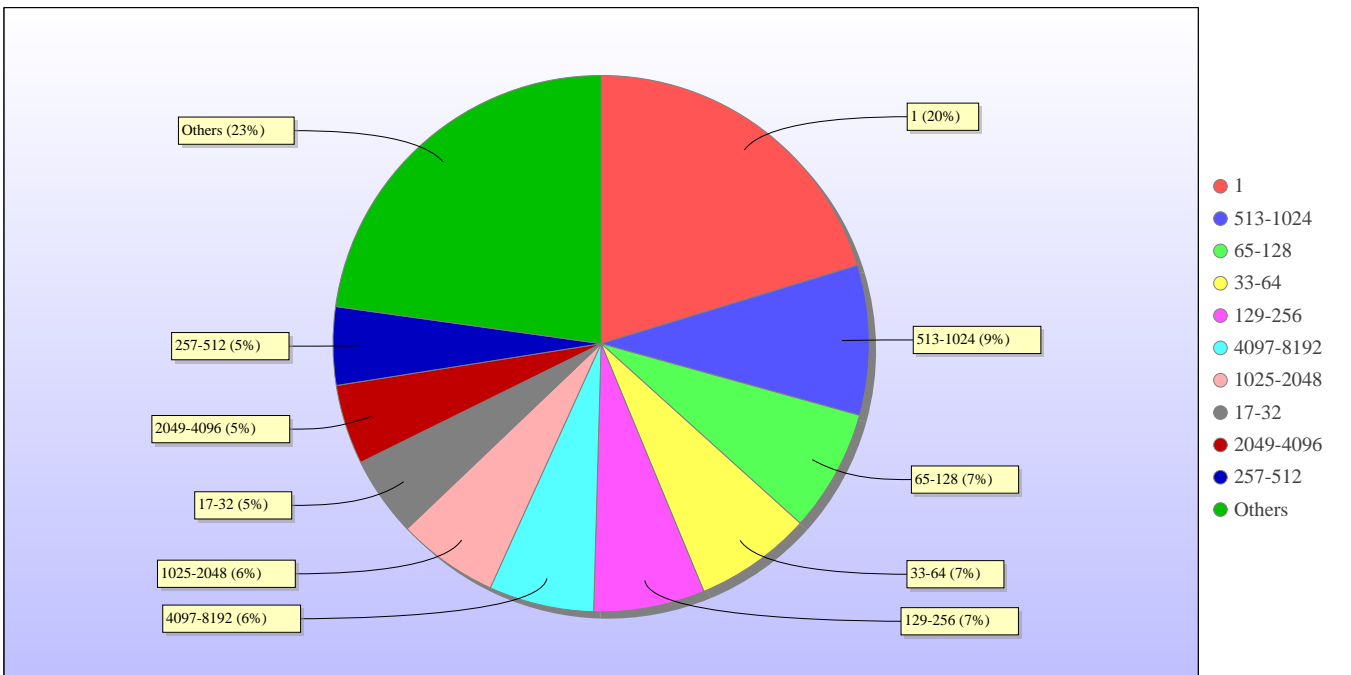
CUs used by Size



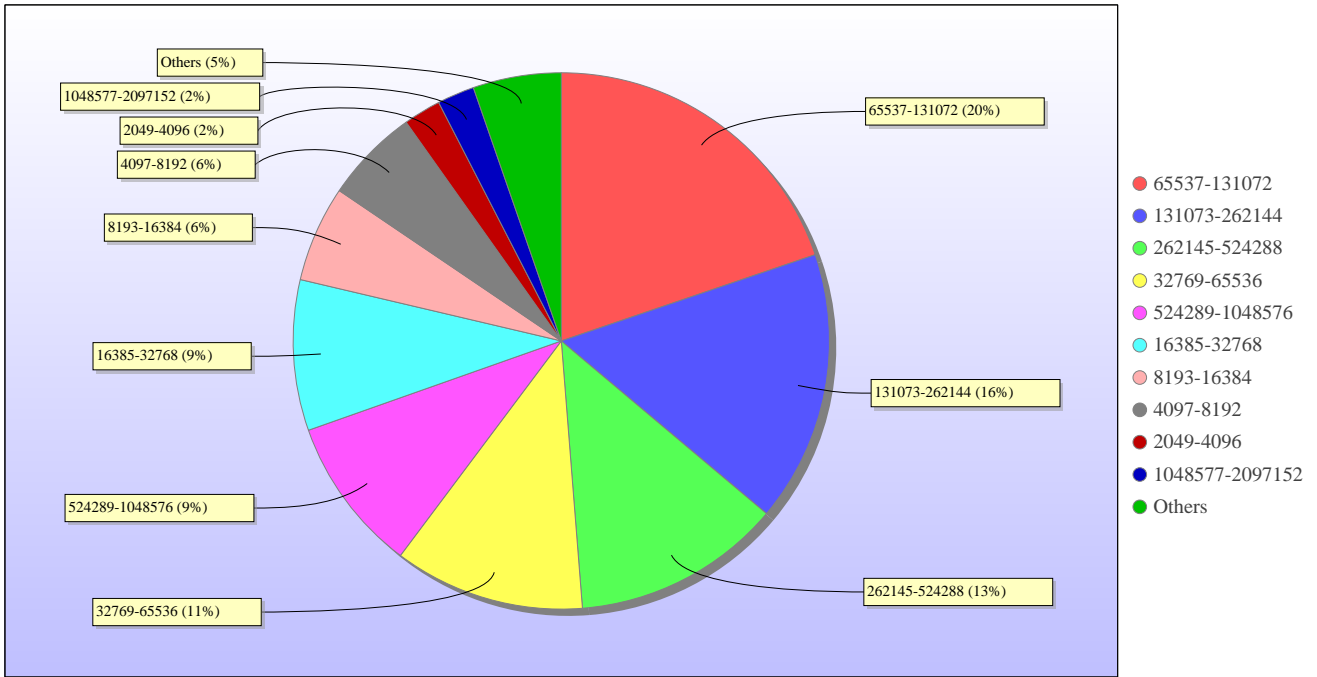
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

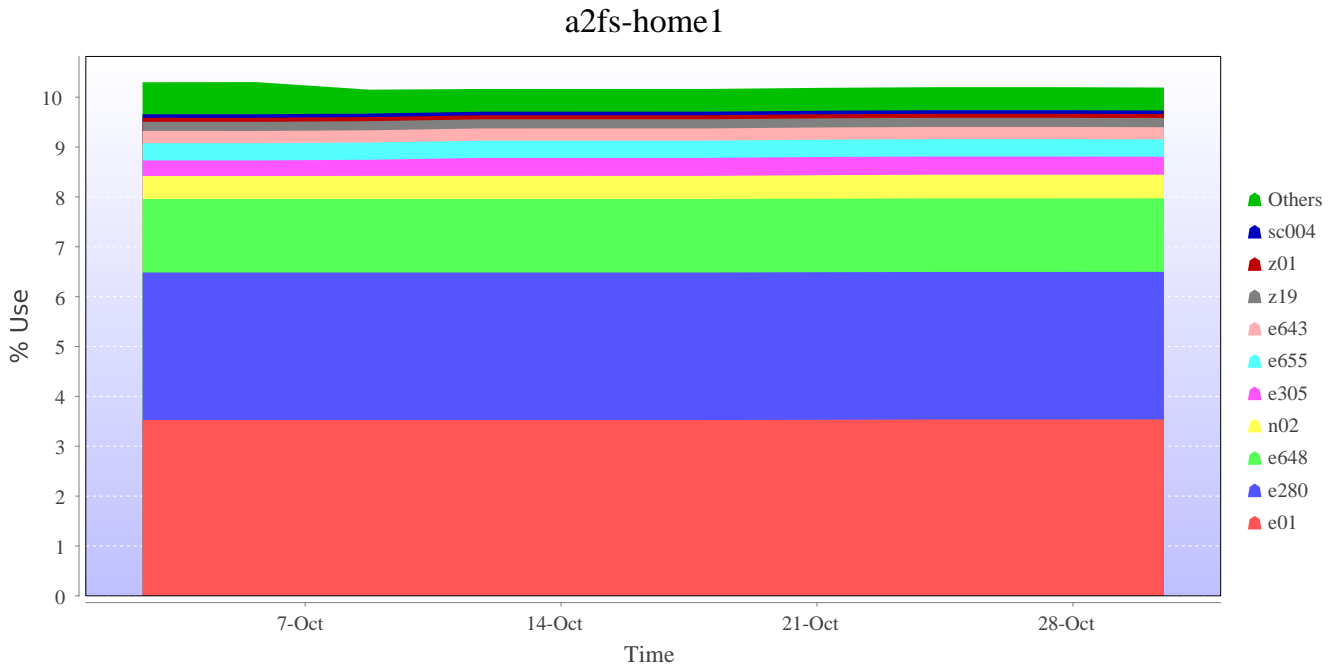


CUs used grouped by core-hours

Disk usage

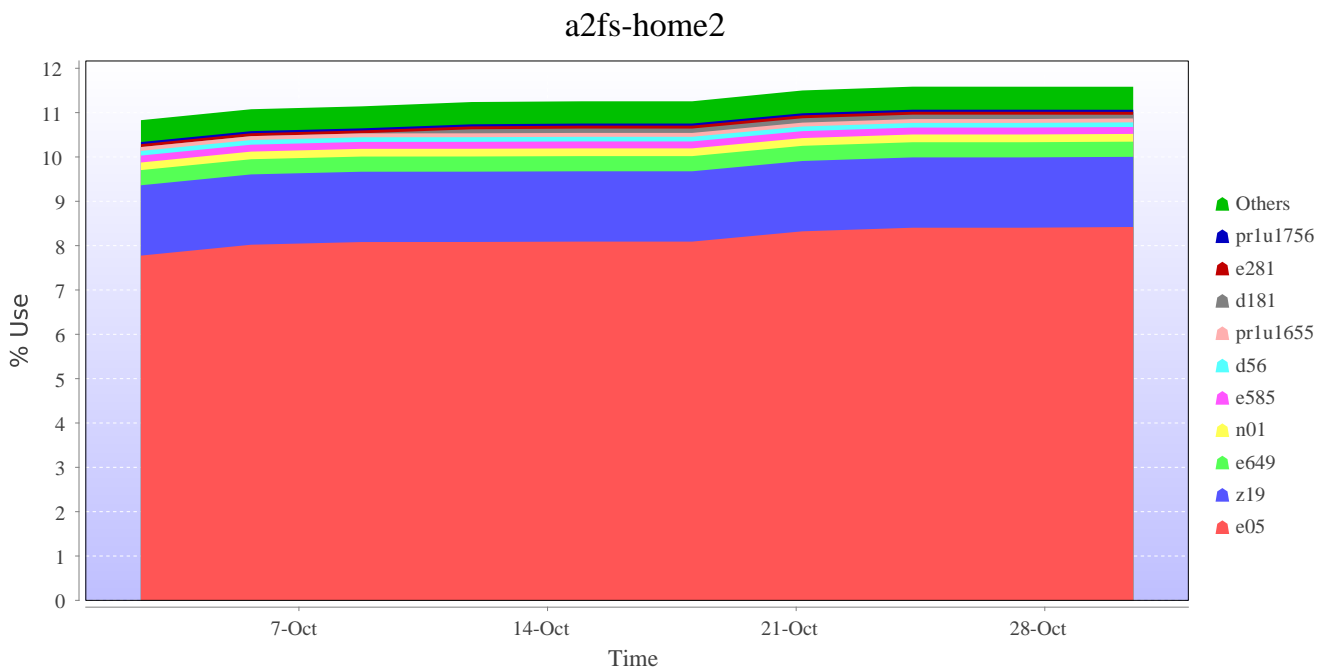
Disk usage for home (a2fs-home1)

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.



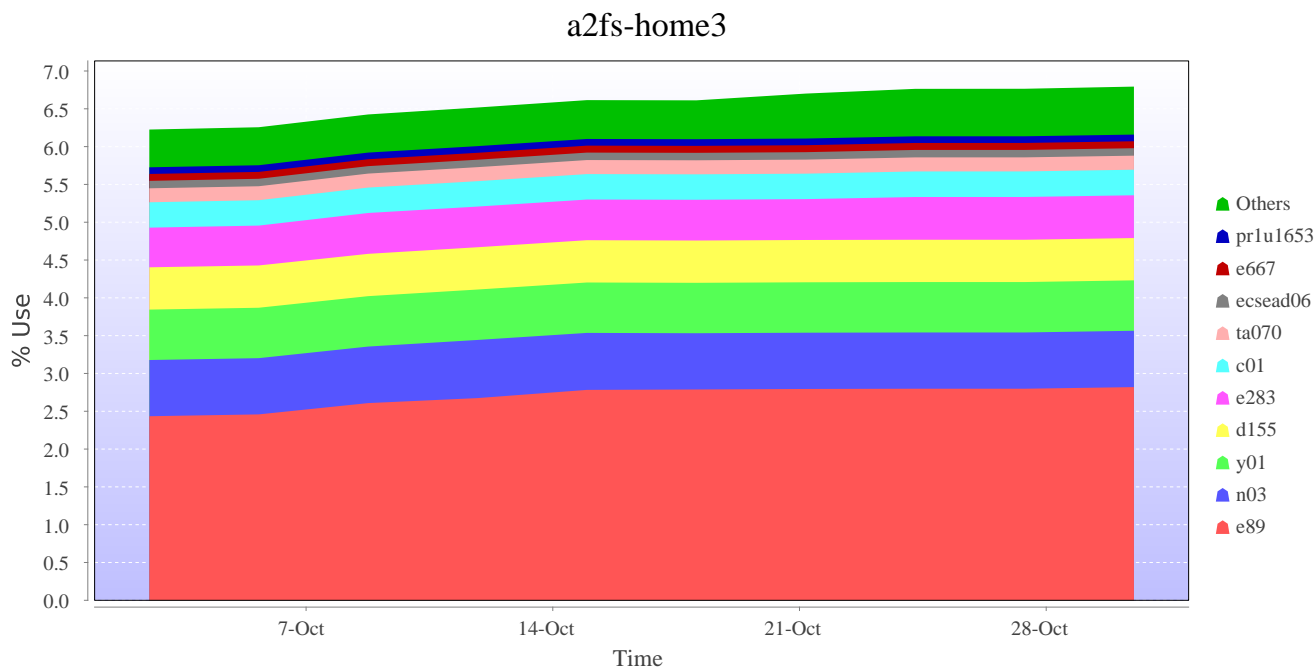
Disk usage for home (a2fs-home2)

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.



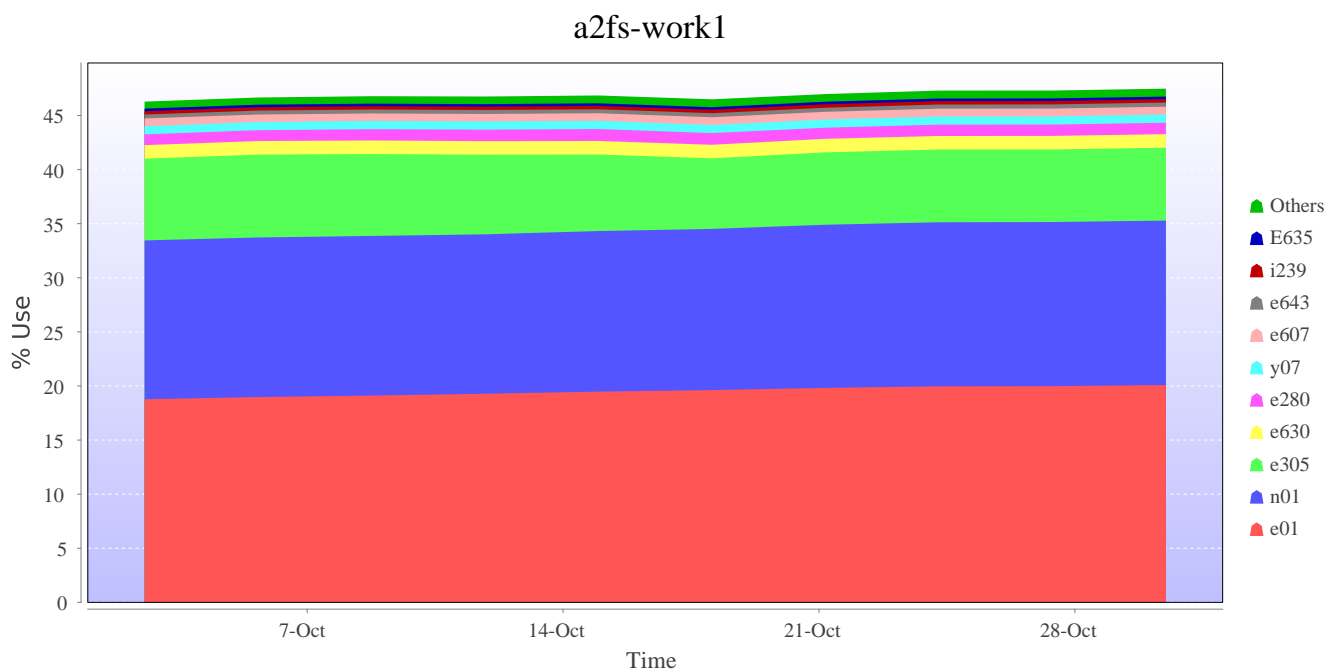
Disk usage for home (a2fs-home3)

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.



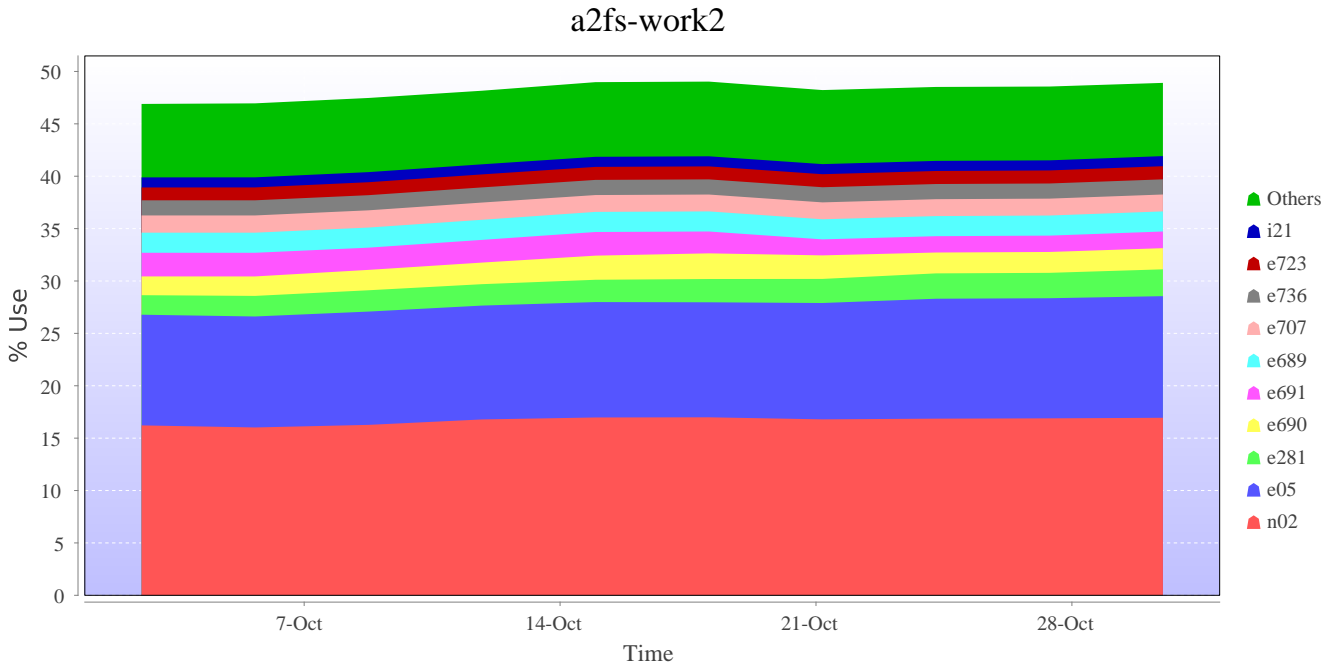
Disk usage for work (a2fs-work1)

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.



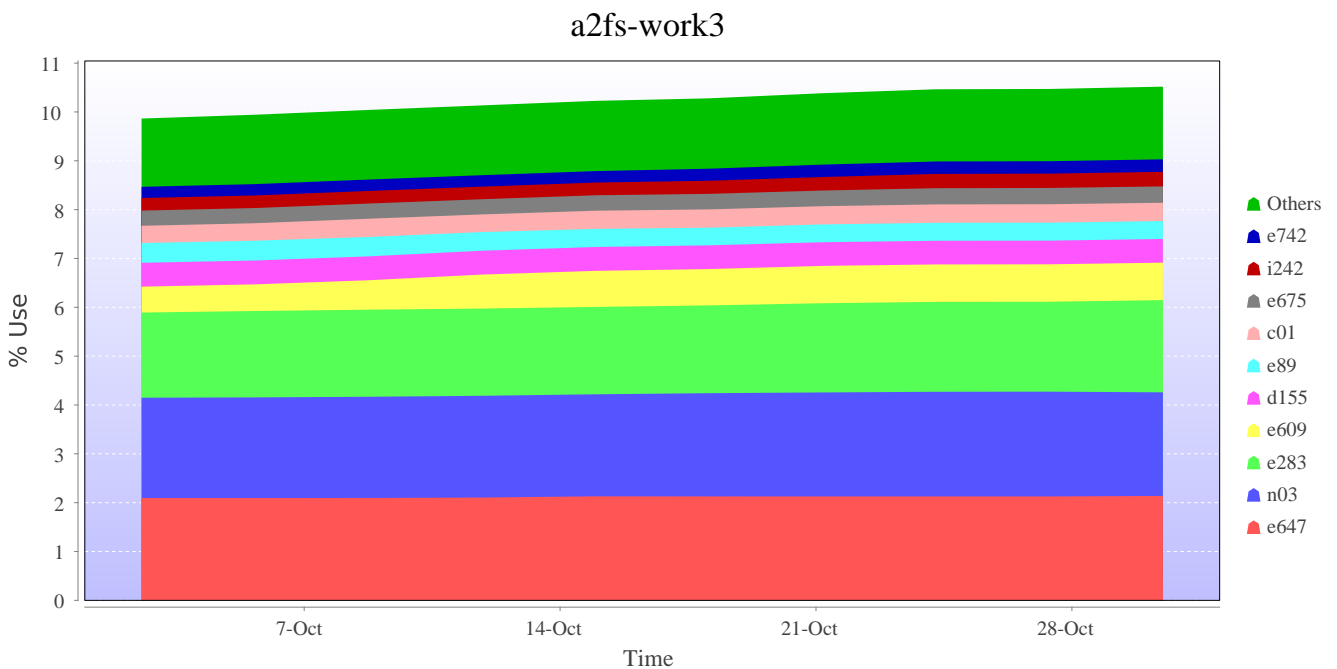
Disk usage for work (a2fs-work2)

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.



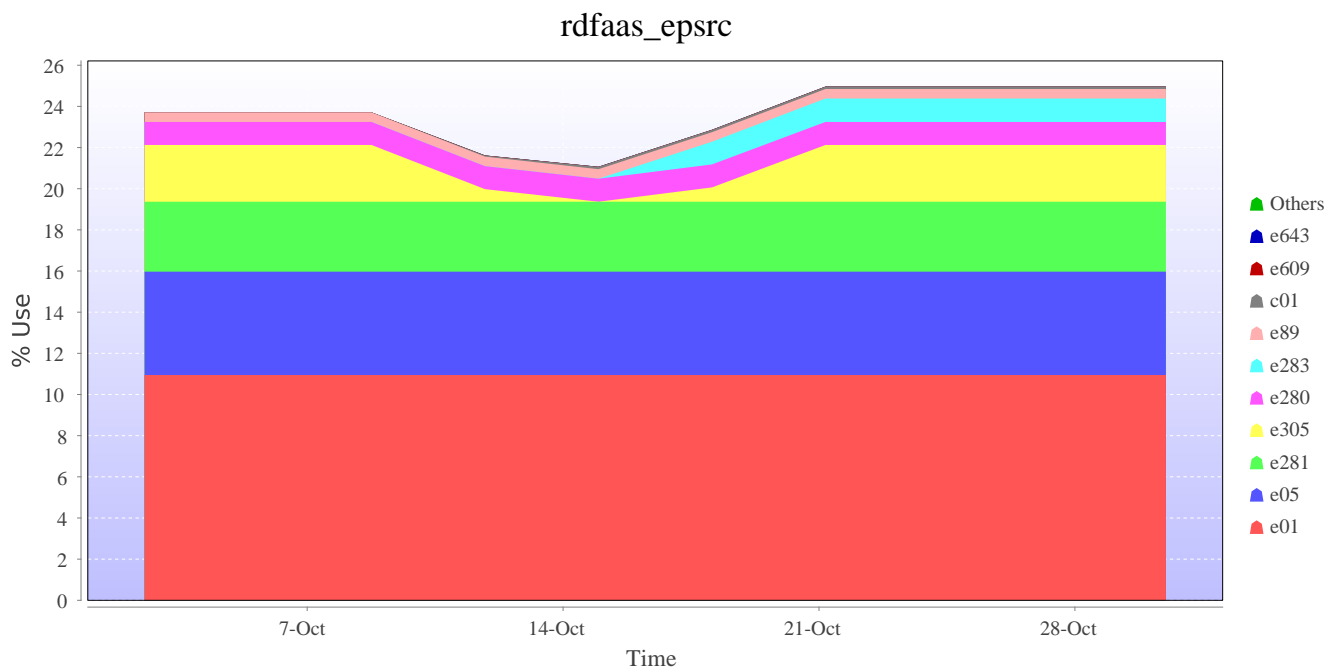
Disk usage for work (a2fs-work3)

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 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.

