

Monthly Reporting

Report from 01 September 2018 to 30 September 2018

Report for Resource Pool XC on ARCHER

A total of 1,275,263.997 kAU 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.

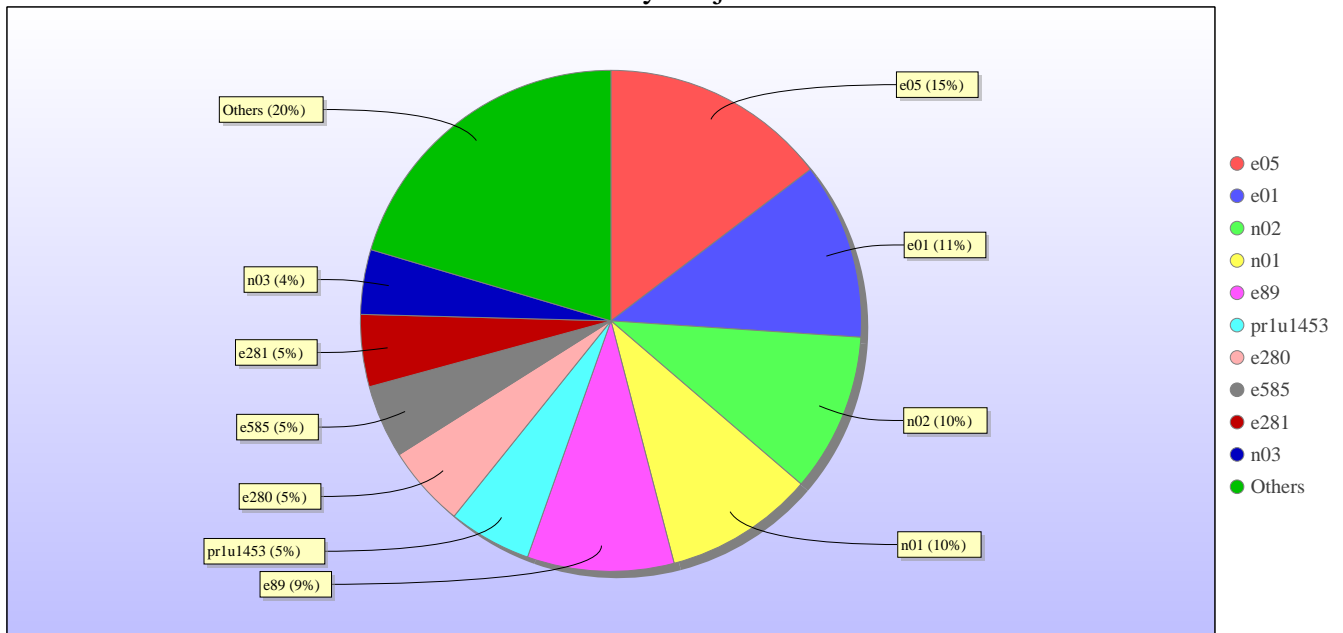
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	1,573	125,277.2	9.82%	129,052.0	10.12%	82,775.4	6.49%
e05	Consortia	6,088	144,210.2	11.31%	166,377.8	13.05%	226,604.8	17.77%
e89	Consortia	3,257	107,366.6	8.42%	107,366.7	8.42%	117,326.4	9.20%
e280	Consortia	2,289	59,770.2	4.69%	59,770.2	4.69%	40,950.6	3.21%
e281	Consortia	473	52,786.7	4.14%	52,791.6	4.14%	22,811.7	1.79%
e283	Consortia	947	3,880.0	0.30%	3,880.0	0.30%	13,680.7	1.07%
e305	Consortia	1,010	30,263.4	2.37%	30,270.5	2.37%	23,617.3	1.85%
e585	Consortia	551	53,588.2	4.20%	53,588.3	4.20%	16,393.4	1.29%
e462	Leadership Awards	290	4,270.3	0.33%	4,270.3	0.33%	6,716.7	0.53%
e464	Leadership Awards	0	0.0	0.00%	0.0	0.00%	4,923.6	0.39%
e507	Leadership Awards	368	17,229.9	1.35%	17,229.9	1.35%	8,185.1	0.64%
e510	Leadership Awards	61	13.7	0.00%	13.7	0.00%	8,150.3	0.64%
e526	Leadership Awards	0	0.0	0.00%	0.0	0.00%	8,150.3	0.64%
e572	Leadership Awards	75	187.7	0.01%	187.7	0.01%	2,458.5	0.19%
c01	Class1a	317	1,084.4	0.09%	1,084.4	0.09%	6,133.4	0.48%
e291	Class1a	0	0.0	0.00%	0.0	0.00%	159.6	0.01%
e332	Class1a	0	0.0	0.00%	0.0	0.00%	274.7	0.02%
e341	Class1a	8	0.2	0.00%	0.2	0.00%	4,075.2	0.32%
e365	Class1a	0	0.0	0.00%	0.0	0.00%	2,300.8	0.18%
e375	Class1a	0	0.0	0.00%	0.0	0.00%	1,324.9	0.10%
e403	Class1a	28	1,425.9	0.11%	1,425.9	0.11%	8,344.3	0.65%
e432	Class1a	60	3,900.3	0.31%	3,900.3	0.31%	9,465.8	0.74%
e448	Class1a	1,060	22,333.0	1.75%	22,333.0	1.75%	30,668.7	2.40%
e480	Class1a	1	72.4	0.01%	72.4	0.01%	1,317.0	0.10%
e514	Class1a	0	0.0	0.00%	0.0	0.00%	497.1	0.04%
e515	Class1a	284	470.5	0.04%	470.5	0.04%	1,630.1	0.13%
e516	Class1a	97	1,149.6	0.09%	1,149.6	0.09%	6,337.2	0.50%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	132.6	0.01%
e518	Class1a	0	0.0	0.00%	0.0	0.00%	819.7	0.06%
e519	Class1a	216	38,186.4	2.99%	38,186.6	2.99%	16,393.4	1.29%
e520	Class1a	5	1,107.7	0.09%	1,107.7	0.09%	4,109.1	0.32%
e523	Class1a	16	489.0	0.04%	489.0	0.04%	8,150.3	0.64%
e527	Class1a	38	3,705.4	0.29%	3,705.4	0.29%	1,793.1	0.14%
e530	Class1a	0	0.0	0.00%	0.0	0.00%	983.6	0.08%
e537	Class1a	300	68.8	0.01%	68.8	0.01%	3,600.0	0.28%
e558	Class1a	114	1,979.4	0.16%	1,982.8	0.16%	731.7	0.06%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e569	Class1a	3	89.8	0.01%	89.8	0.01%	1,924.2	0.15%
e571	Class1a	0	0.0	0.00%	0.0	0.00%	163.9	0.01%
e575	Class1a	0	0.0	0.00%	0.0	0.00%	2,319.9	0.18%
e580	Class1a	0	0.0	0.00%	0.0	0.00%	2,389.3	0.19%
e584	Class1a	51	4,709.6	0.37%	4,709.6	0.37%	1,339.0	0.10%
e588	Class1a	16	774.3	0.06%	774.3	0.06%	2,130.7	0.17%
e605	Class1a	0	0.0	0.00%	0.0	0.00%	1,311.2	0.10%
e606	Class1a	62	1,338.4	0.10%	1,338.4	0.10%	3,226.1	0.25%
e608	Class1a	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e554	Class1b	0	0.0	0.00%	0.0	0.00%	163.0	0.01%
e348	Direct Access: ARCHER RAP	70	1,965.9	0.15%	1,965.9	0.15%	5,100.5	0.40%
e545	Direct Access: ARCHER RAP	2,088	1,839.2	0.14%	1,839.2	0.14%	633.7	0.05%
e564	Direct Access: ARCHER RAP	58	10,892.2	0.85%	10,892.2	0.85%	4,394.2	0.34%
e565	Direct Access: ARCHER RAP	378	6.3	0.00%	6.3	0.00%	4,727.2	0.37%
e566	Direct Access: ARCHER RAP	75	4,392.7	0.34%	4,392.7	0.34%	6,649.1	0.52%
e567	Direct Access: ARCHER RAP	6	327.4	0.03%	327.4	0.03%	4,958.6	0.39%
e590	Direct Access: ARCHER RAP	18	1,998.8	0.16%	1,998.8	0.16%	1,611.6	0.13%
e593	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	7,337.0	0.58%
e595	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	3,262.6	0.26%
e596	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	1,180.1	0.09%
e597	Direct Access: ARCHER RAP	4	2,586.4	0.20%	2,586.4	0.20%	9,787.9	0.77%
e599	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	4,120.4	0.32%
e601	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	4,518.5	0.35%
e602	Direct Access: ARCHER RAP	21	2,236.6	0.18%	2,236.6	0.18%	1,817.9	0.14%
e603	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	3,029.9	0.24%
e583	Instant Access	0	0.0	0.00%	0.0	0.00%	51.9	0.00%
e586	Instant Access	0	0.0	0.00%	0.0	0.00%	196.2	0.02%
e587	Instant Access	0	0.0	0.00%	0.0	0.00%	195.6	0.02%
e591	Instant Access	0	0.0	0.00%	0.0	0.00%	195.6	0.02%
e592	Instant Access	0	0.0	0.00%	0.0	0.00%	140.1	0.01%
e594	Instant Access	0	0.0	0.00%	0.0	0.00%	366.3	0.03%
e598	Instant Access	0	0.0	0.00%	0.0	0.00%	195.6	0.02%
e600	Instant Access	59	124.8	0.01%	124.8	0.01%	195.6	0.02%
e556	Training	10	0.0	0.00%	307.8	0.02%	2,513.1	0.20%
e573	Training	54	779.8	0.06%	779.9	0.06%	1,855.8	0.15%
e589	Training	171	1,564.6	0.12%	1,564.7	0.12%	2,950.8	0.23%
e604	Training	20	109.6	0.01%	109.6	0.01%	739.2	0.06%
z17	Service	44	2,440.0	0.19%	2,440.0	0.19%	1,706.7	0.13%
EPSRC Total		22,734	712,993.7	55.91%	739,259.9	57.97%	781,386.2	61.27%
n01	Consortia	3,603	110,182.3	8.64%	109,480.6	8.58%	103,561.6	8.12%
n02	Consortia	18,319	117,041.6	9.18%	116,239.5	9.11%	123,698.6	9.70%
n03	Consortia	1,981	47,374.2	3.71%	47,375.4	3.71%	87,123.3	6.83%
NERC Total		23,903	274,598.1	21.53%	273,095.5	21.41%	314,383.6	24.65%
e568	Research	16	199.2	0.02%	199.2	0.02%	3,745.9	0.29%
BBSRC Total		16	199.2	0.02%	199.2	0.02%	3,745.9	0.29%
pr1u0002	Class1a	0	0.0	0.00%	0.0	0.00%	98.6	0.01%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
pr1u1453	DECI: EXEC	314	60,846.5	4.77%	60,846.5	4.77%	8,281.0	0.65%
pr1u1455	DECI: EXEC	24	308.1	0.02%	308.1	0.02%	942.0	0.07%

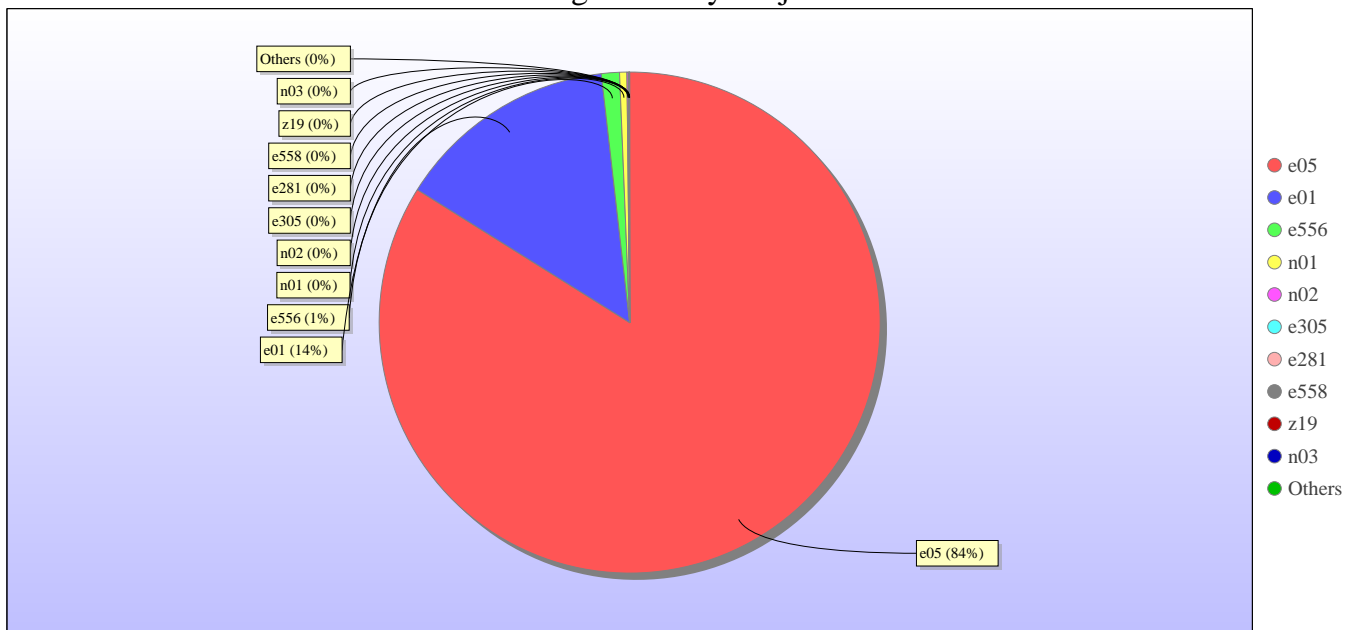
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
pr1utd01	DECI: EXEC	7	10.2	0.00%	10.2	0.00%	132.3	0.01%
pr1utd02	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	182.4	0.01%
pr1u1364	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1406	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
PRACE Total		345	61,164.7	4.80%	61,164.7	4.80%	9,636.9	0.76%
ecse1001	Consortia	82	224.2	0.02%	224.2	0.02%	624.1	0.05%
ecse0919	eCSE	0	0.0	0.00%	0.0	0.00%	35.2	0.00%
ecse1008	eCSE	0	0.0	0.00%	0.0	0.00%	119.2	0.01%
ecse1012	eCSE	0	0.0	0.00%	0.0	0.00%	59.5	0.00%
ecse1101	eCSE	206	1,684.6	0.13%	1,684.6	0.13%	189.4	0.01%
ecse1109	eCSE	0	0.0	0.00%	0.0	0.00%	39.7	0.00%
ecse1204	eCSE	0	0.0	0.00%	0.0	0.00%	21.4	0.00%
ecse1208	eCSE	64	55.0	0.00%	55.0	0.00%	54.6	0.00%
ecse1209	eCSE	148	133.0	0.01%	133.0	0.01%	86.3	0.01%
ecse1210	eCSE	14	22.0	0.00%	22.0	0.00%	718.1	0.06%
ecse1217	eCSE	0	0.0	0.00%	0.0	0.00%	16.7	0.00%
ecse1220	eCSE	0	0.0	0.00%	0.0	0.00%	38.2	0.00%
eCSE Total		514	2,118.8	0.17%	2,118.8	0.17%	2,002.5	0.16%
d43	ECDF	7	668.6	0.05%	668.6	0.05%	2,465.8	0.19%
d25	Research	0	0.0	0.00%	0.0	0.00%	411.0	0.03%
d35	Research	157	4.0	0.00%	4.0	0.00%	411.0	0.03%
d56	Research	26	15.4	0.00%	15.4	0.00%	6,520.3	0.51%
d60	Research	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
d67	Research	70	100.4	0.01%	100.4	0.01%	287.7	0.02%
d71	Research	0	0.0	0.00%	0.0	0.00%	1,068.5	0.08%
d87	Research	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
d88	Research	52	11.8	0.00%	11.8	0.00%	13.0	0.00%
d100	Research	121	955.6	0.07%	955.6	0.07%	458.7	0.04%
d101	Research	2	117.7	0.01%	117.7	0.01%	534.2	0.04%
d107	Research	154	300.9	0.02%	300.9	0.02%	411.0	0.03%
d114	Research	145	3,258.5	0.26%	3,258.6	0.26%	8,735.3	0.68%
d118	Research	0	0.0	0.00%	0.0	0.00%	102.0	0.01%
d137	Research	375	2,866.9	0.22%	2,866.9	0.22%	2,465.8	0.19%
d142	Research	122	3,647.4	0.29%	3,647.4	0.29%	4,109.6	0.32%
d143	Research	28	555.1	0.04%	555.1	0.04%	4,902.0	0.38%
d145	Research	0	0.0	0.00%	0.0	0.00%	246.6	0.02%
d149	Research	0	0.0	0.00%	0.0	0.00%	614.6	0.05%
d150	Research	49	7,295.6	0.57%	7,295.6	0.57%	7,824.3	0.61%
d155	Research	5,004	2,095.8	0.16%	2,095.8	0.16%	2,630.1	0.21%
d166	Research	0	0.0	0.00%	0.0	0.00%	1,964.7	0.15%
d421	Research	4	671.0	0.05%	671.0	0.05%	1,589.4	0.12%
d426	Research	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
d153	Industrial	347	879.7	0.07%	880.8	0.07%	1,212.3	0.10%
d156	Industrial	0	0.0	0.00%	0.0	0.00%	82.8	0.01%
d165	Industrial	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
i18	Industrial	45	1,656.5	0.13%	1,656.5	0.13%	2,838.1	0.22%
i20	Industrial	0	0.0	0.00%	0.0	0.00%	99.0	0.01%
i200	Industrial	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
i219	Industrial	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
i225	Industrial	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
i228	Industrial	0	0.0	0.00%	0.0	0.00%	67.7	0.01%
x08	Industrial	0	0.0	0.00%	0.0	0.00%	1,279.6	0.10%
d74	Training	0	0.0	0.00%	0.0	0.00%	164.4	0.01%
d104	Training	0	0.0	0.00%	0.0	0.00%	769.3	0.06%
d133	Training	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
d167	Training	0	0.0	0.00%	0.0	0.00%	164.4	0.01%
d131	Service	154	329.6	0.03%	329.6	0.03%	853.1	0.07%
d134	Service	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
d425	Service	0	0.0	0.00%	0.0	0.00%	1.9	0.00%
w16	Service	2	0.4	0.00%	0.4	0.00%	489.0	0.04%
y02	Service	2	0.0	0.00%	0.0	0.00%	82.2	0.01%
y07	Service	38	0.0	0.00%	0.9	0.00%	8.2	0.00%
z02	Service	0	0.0	0.00%	0.0	0.00%	41.1	0.00%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
z99	Service	20	0.3	0.00%	0.3	0.00%	8.2	0.00%
d84	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
DirectorsTime Total		6,924	25,431.4	1.99%	25,433.5	1.99%	56,461.1	4.43%
y14	Training	303	220.4	0.02%	146.9	0.01%	575.3	0.05%
y21	Service	0	0.0	0.00%	0.0	0.00%	411.0	0.03%
z19	Service	443	32,995.7	2.59%	32,998.1	2.59%	5,342.5	0.42%
CSE Total		746	33,216.1	2.60%	33,145.0	2.60%	6,328.8	0.50%
Total		55,182	1,109,722.1	87.02%	1,134,416.7	88.96%	1,173,944.9	92.06%

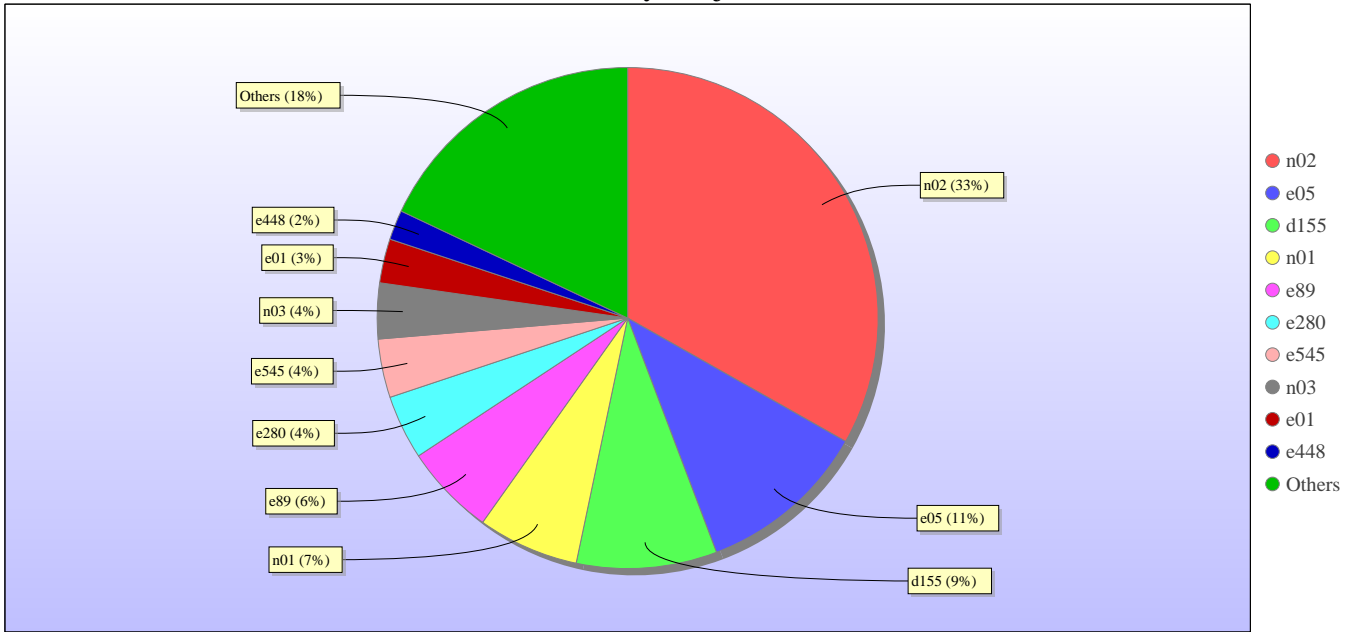
Use by Project



Uncharged Use by Project



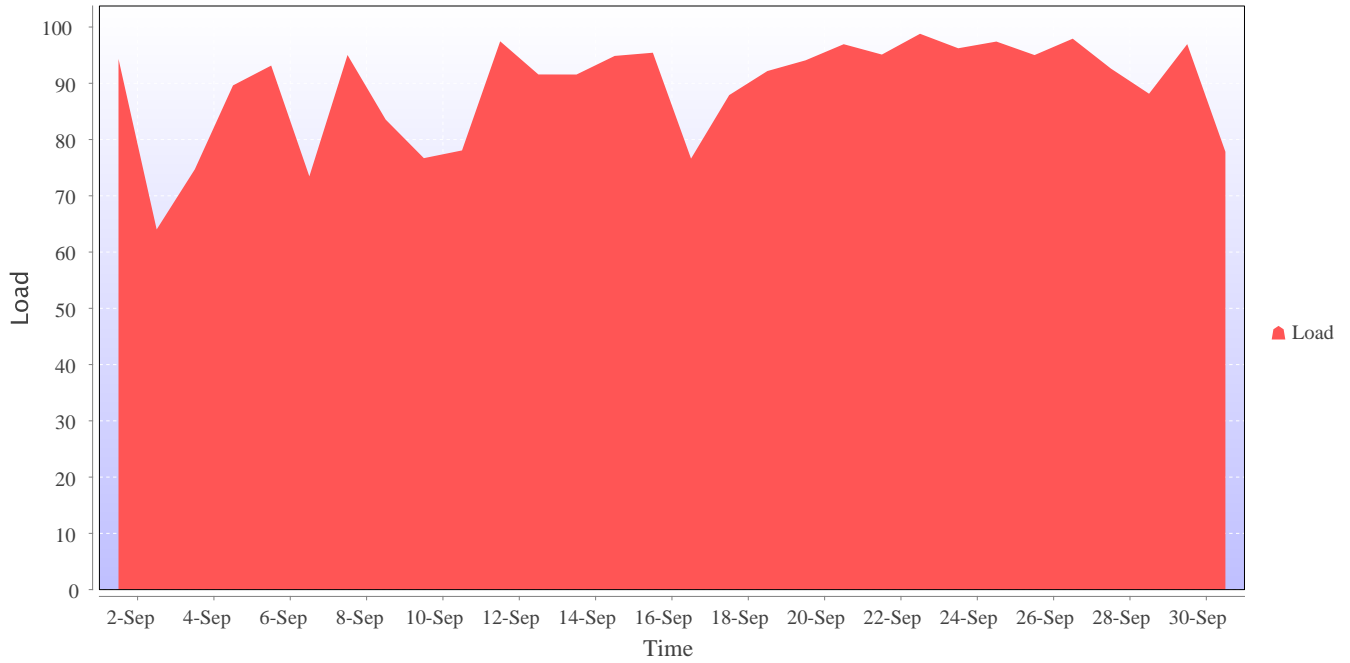
Jobs by Project



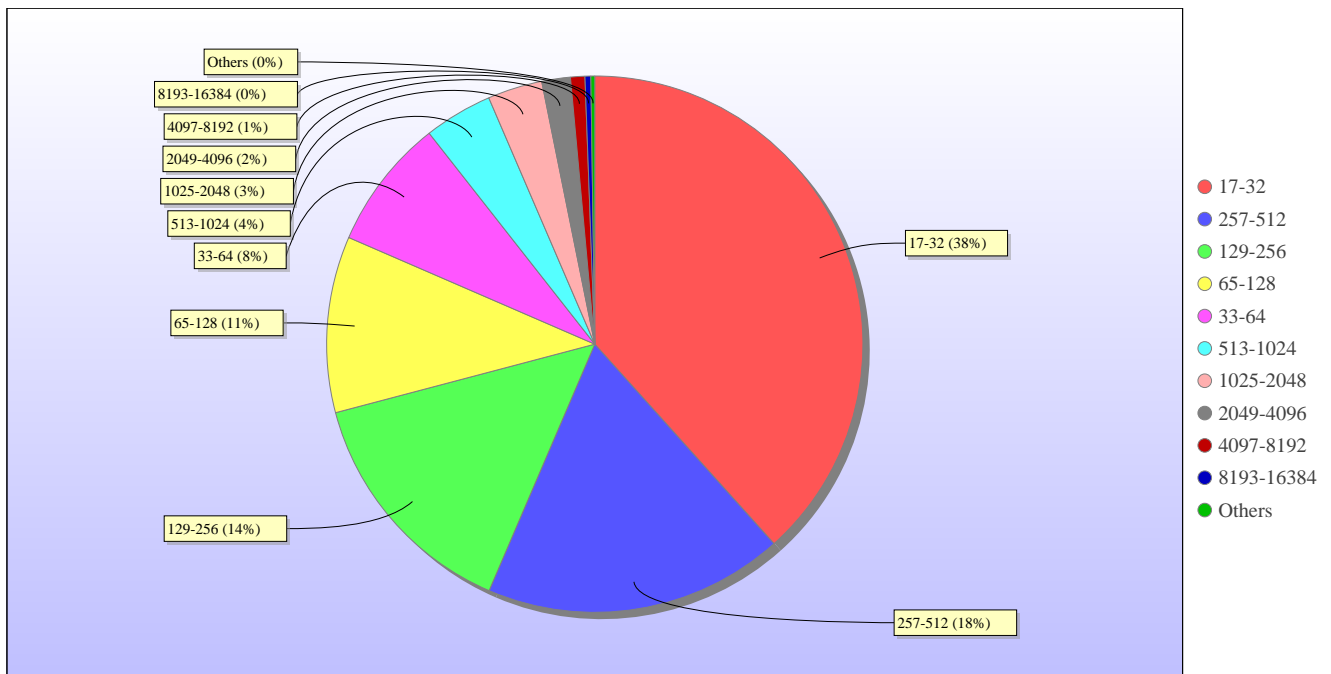
kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	5,766.25	21,161
33-64	13,303.081	4,357
65-128	44,212.685	5,862
129-256	112,316.383	7,967
257-512	174,184.424	9,985
513-1024	179,790.101	2,277
1025-2048	153,737.514	1,817
2049-4096	140,781.966	952
4097-8192	135,826.344	477
8193-16384	108,322.374	193
16385-32768	18,026.764	64
32769-65536	14,408.781	39
65537-131072	3,867.869	26

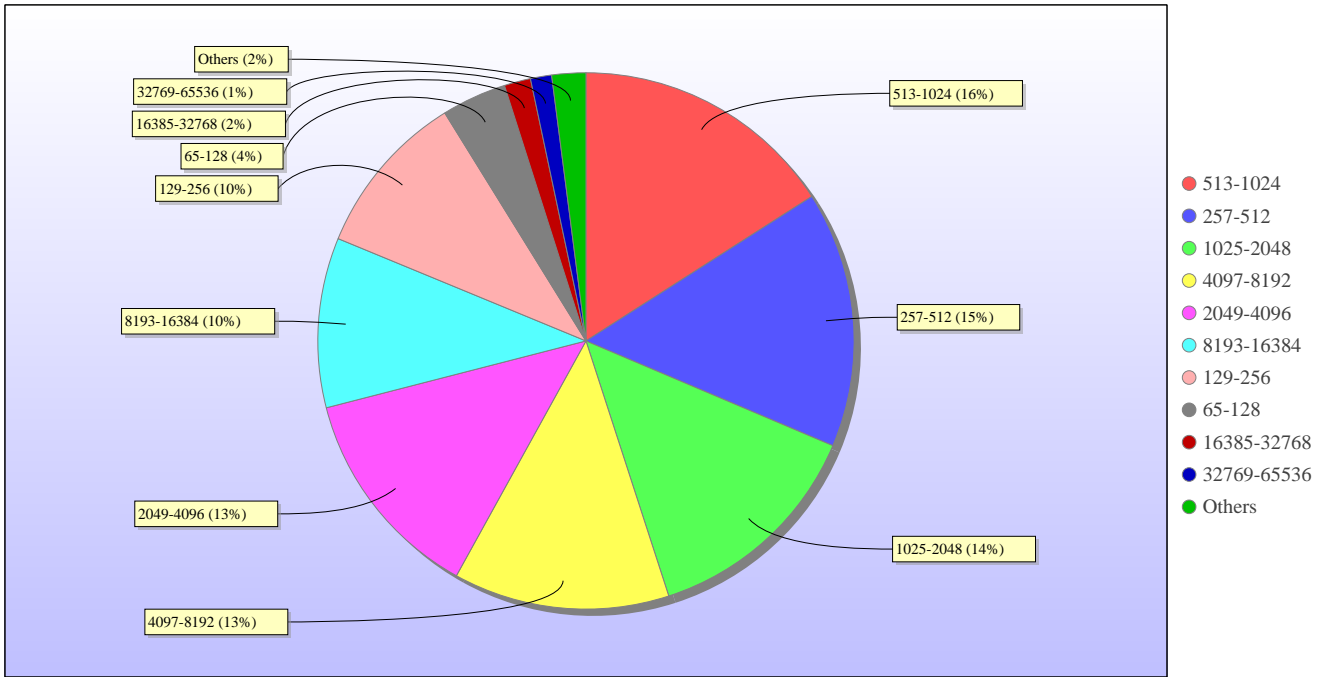
Load plots



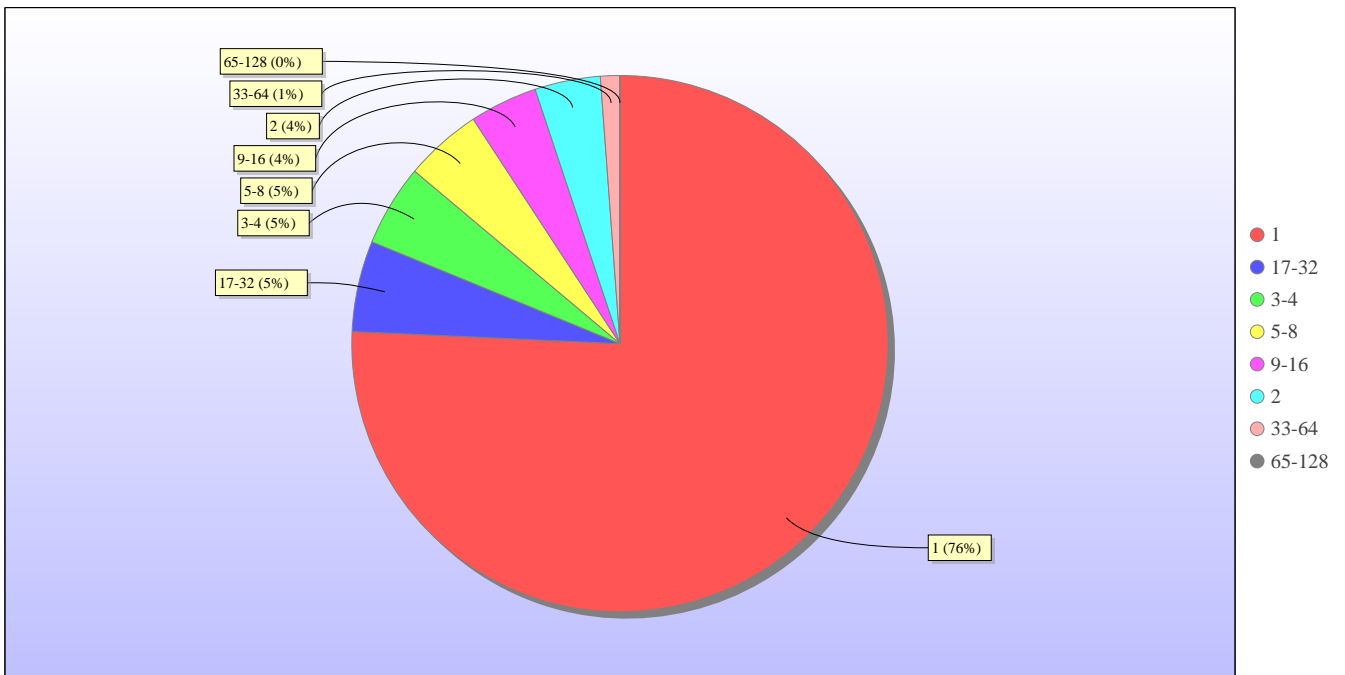
Percentage load on machine



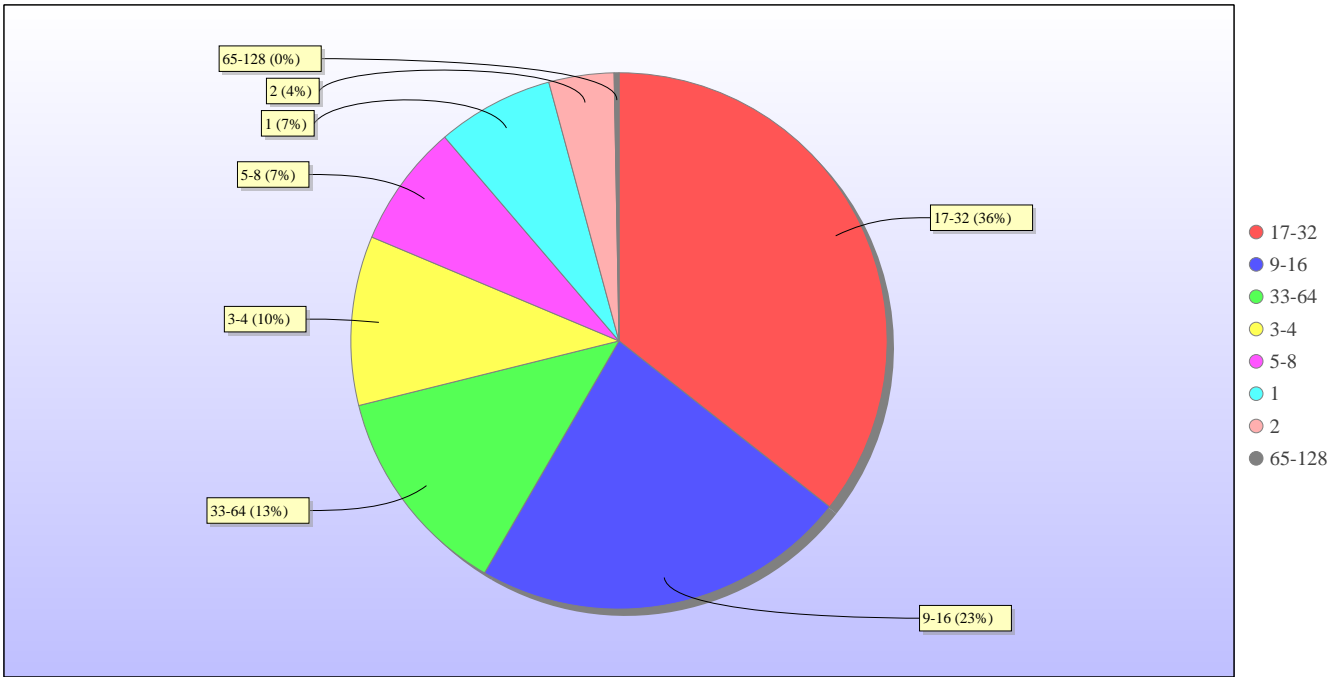
Jobs by Size



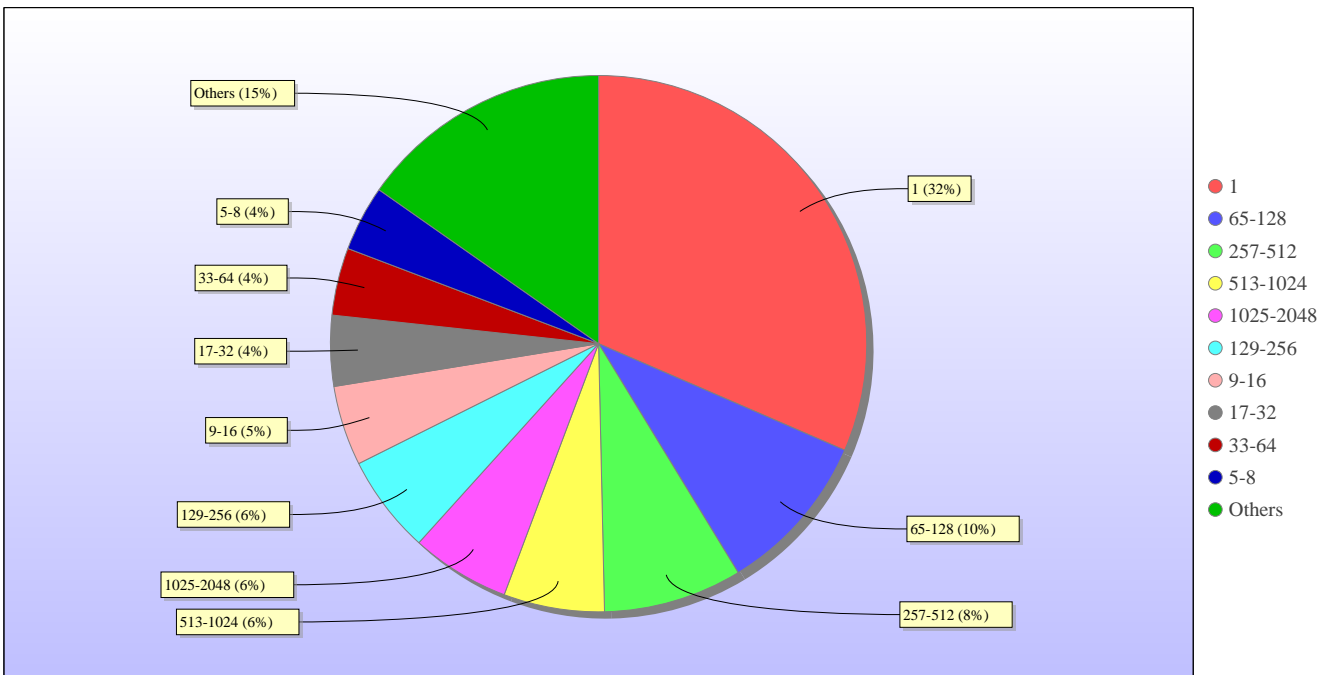
kAUs used by Size



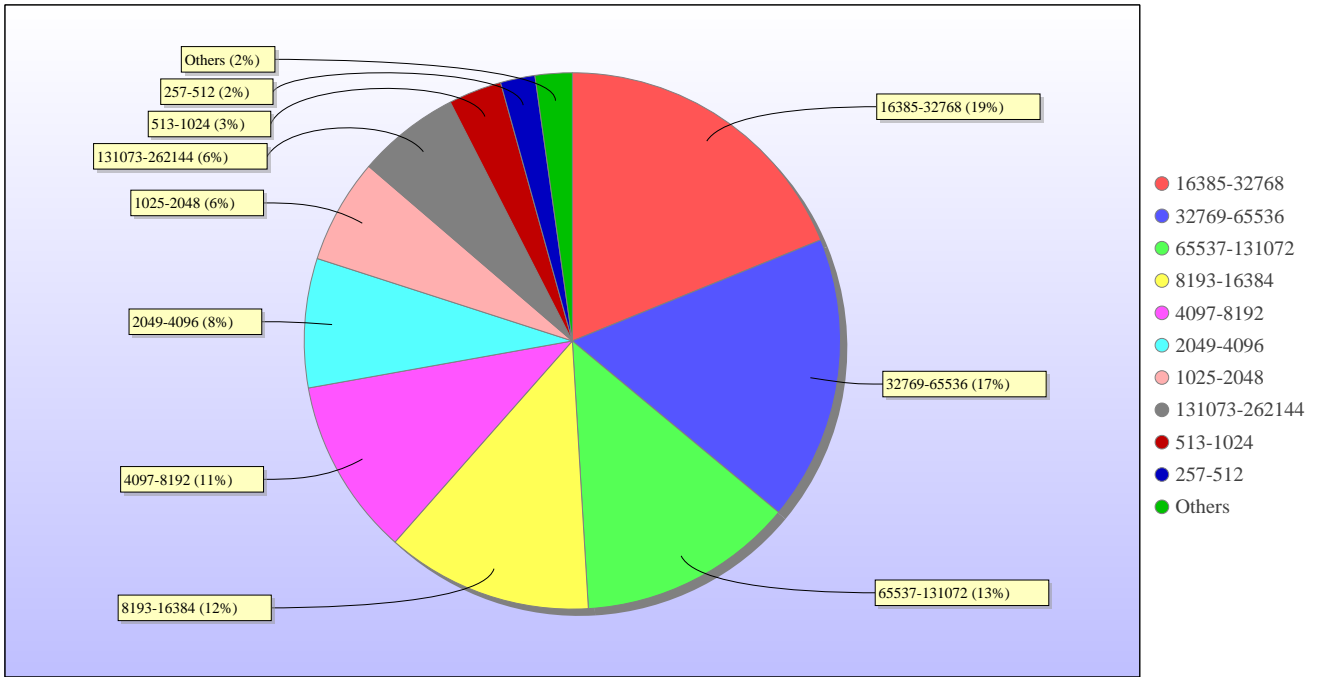
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

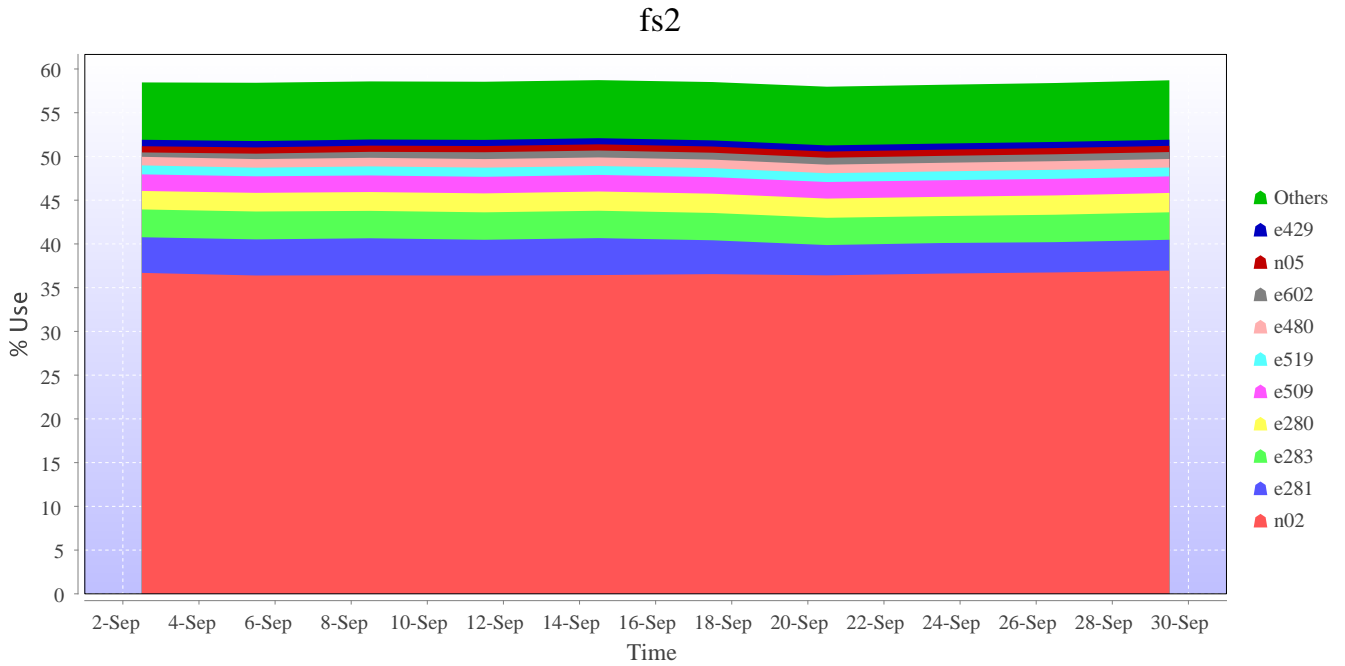


kAUs used grouped by core-hours

Disk usage

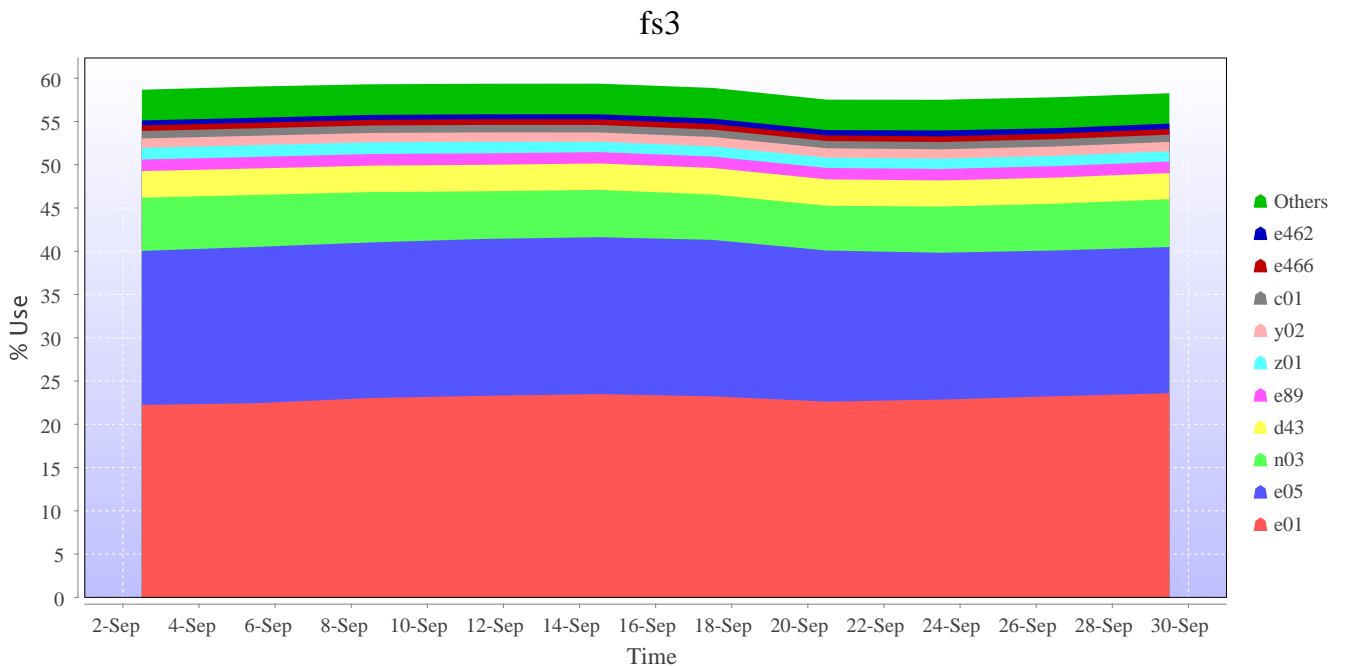
Disk usage for work (fs2)

This is a plot of Disk Use on fs2 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.



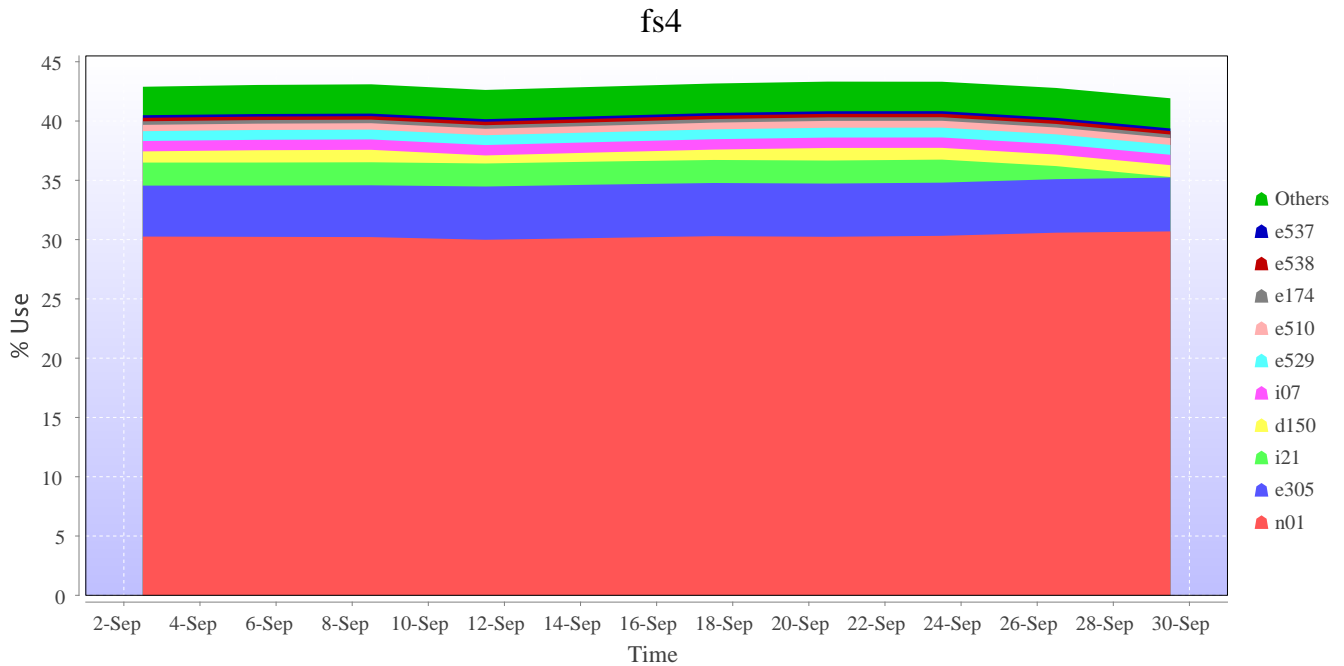
Disk usage for work (fs3)

This is a plot of Disk Use on fs3 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.



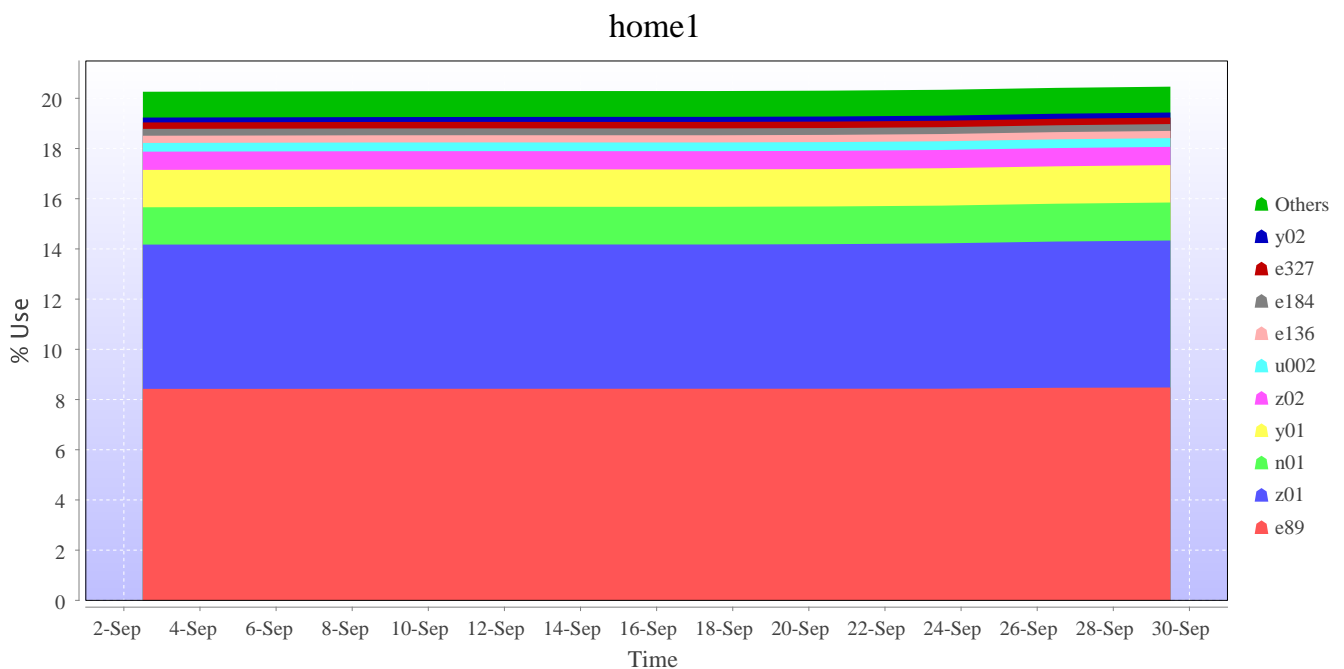
Disk usage for work (fs4)

This is a plot of Disk Use on fs4 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.



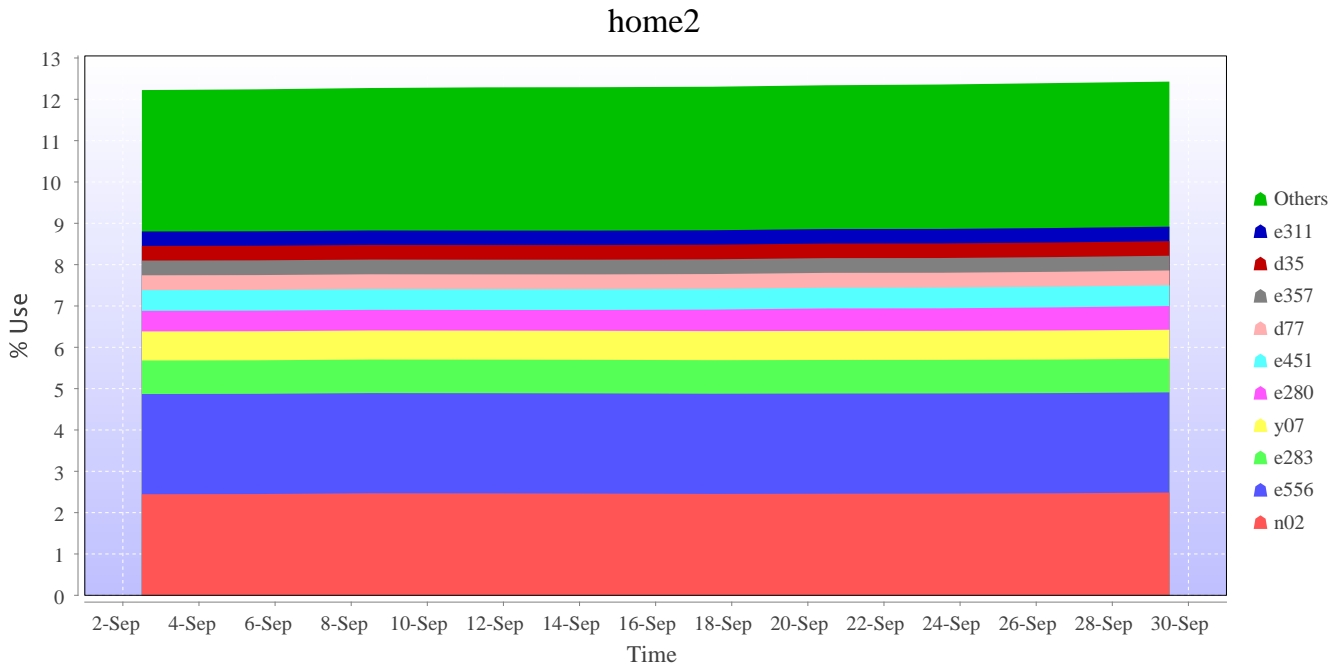
Disk usage for home (home1)

This is a plot of Disk Use on 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.



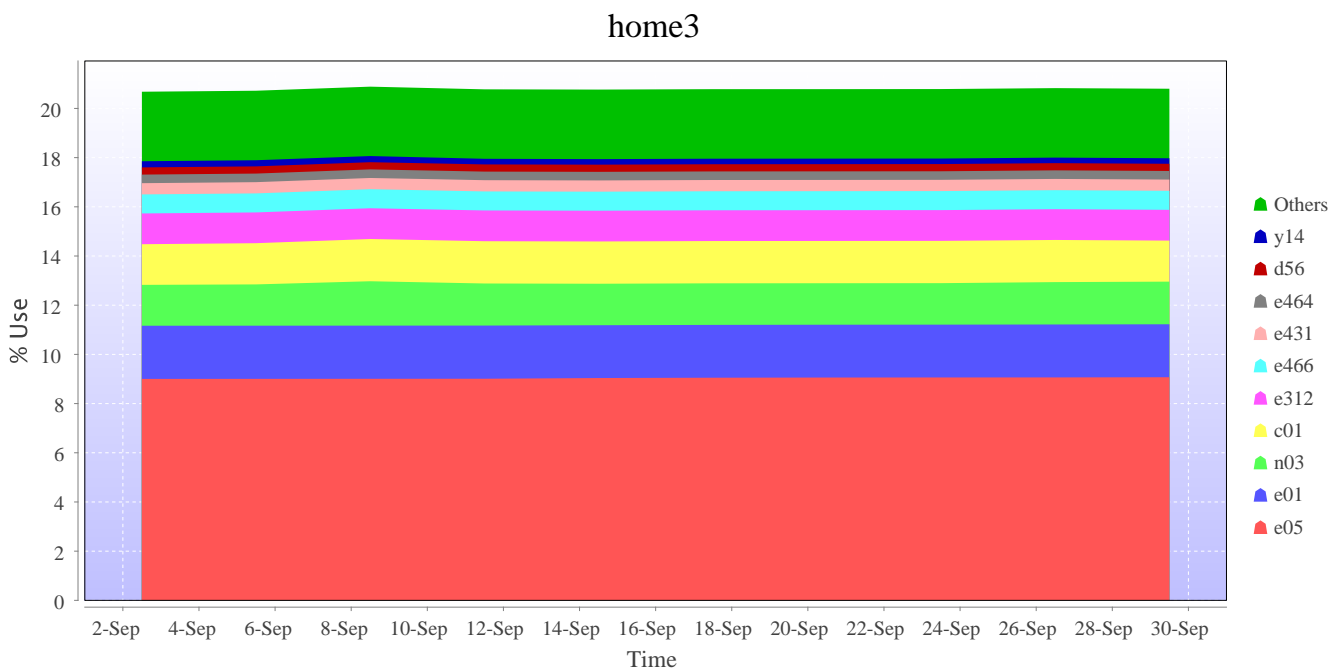
Disk usage for home (home2)

This is a plot of Disk Use on 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 (home3)

This is a plot of Disk Use on 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 home (home4)

This is a plot of Disk Use on home4 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.

