

Monthly Reporting

Report from 01 May 2020 to 31 May 2020

Report for Resource Pool XC on All machines

A total of 1,317,772.791 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.

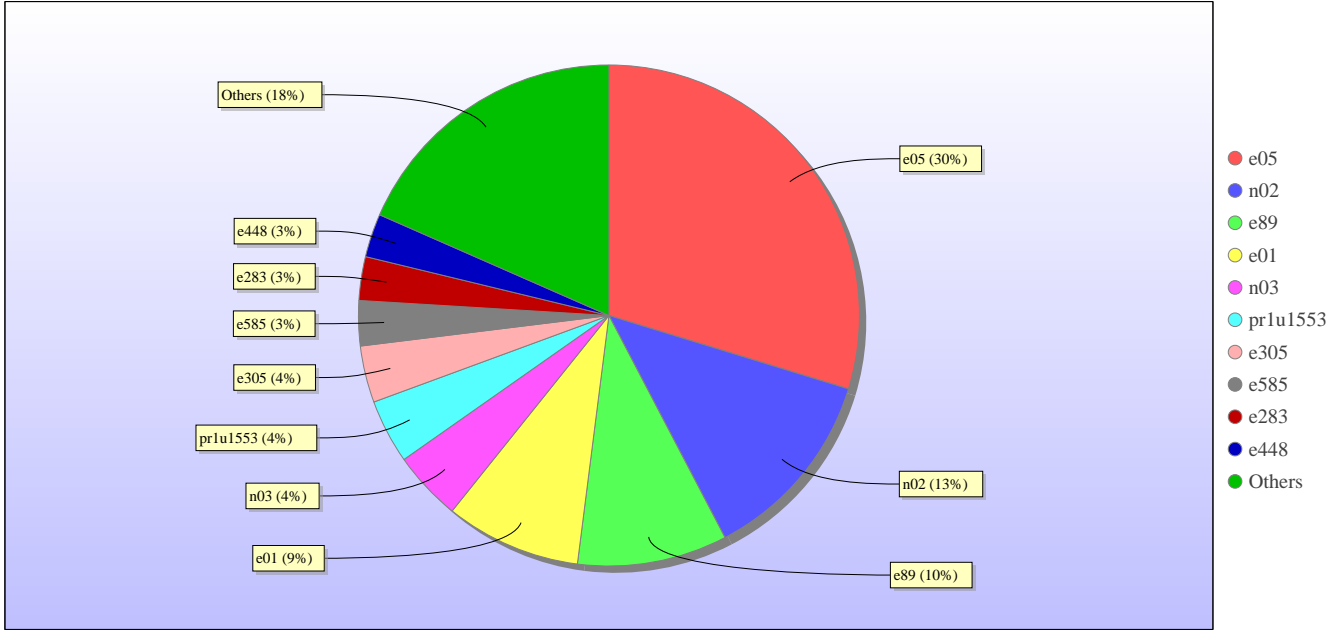
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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
E635	Class1a	95	990.5	0.08%	990.5	0.08%	1,694.4	0.13%
c01	Class1a	563	2,239.6	0.17%	2,239.6	0.17%	13,334.2	1.01%
e432	Class1a	29	3,908.6	0.30%	3,908.6	0.30%	7,957.9	0.60%
e448	Class1a	685	20,102.9	1.53%	20,102.9	1.53%	25,306.4	1.92%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	80.6	0.01%
e519	Class1a	0	0.0	0.00%	0.0	0.00%	4,705.4	0.36%
e530	Class1a	44	1,444.1	0.11%	1,444.1	0.11%	1,129.9	0.09%
e537	Class1a	1,598	4,242.9	0.32%	4,242.9	0.32%	1,878.2	0.14%
e572	Class1a	849	3,088.3	0.23%	3,996.1	0.30%	3,239.5	0.25%
e575	Class1a	29	287.8	0.02%	287.8	0.02%	2,864.8	0.22%
e584	Class1a	0	0.0	0.00%	0.0	0.00%	1,370.4	0.10%
e588	Class1a	46	1,332.4	0.10%	1,332.4	0.10%	3,048.5	0.23%
e606	Class1a	98	7,196.1	0.55%	7,196.1	0.55%	8,413.7	0.64%
e607	Class1a	5	533.1	0.04%	533.1	0.04%	16,092.9	1.22%
e608	Class1a	162	8,893.8	0.67%	10,348.2	0.79%	3,388.7	0.26%
e609	Class1a	258	1,176.2	0.09%	1,176.2	0.09%	12,027.3	0.91%
e610	Class1a	16	1,773.5	0.13%	1,773.8	0.13%	6,550.6	0.50%
e613	Class1a	26	238.5	0.02%	238.5	0.02%	677.7	0.05%
e627	Class1a	54	703.7	0.05%	703.7	0.05%	7,493.7	0.57%
e630	Class1a	63	1,420.2	0.11%	1,420.2	0.11%	16,844.0	1.28%
e637	Class1a	0	0.0	0.00%	0.0	0.00%	2,541.6	0.19%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	7,414.1	0.56%
e643	Class1a	20	4,553.4	0.35%	4,553.4	0.35%	7,325.9	0.56%
e645	Class1a	13	366.9	0.03%	366.9	0.03%	4,078.6	0.31%
e647	Class1a	452	601.6	0.05%	601.6	0.05%	5,367.5	0.41%
e648	Class1a	0	0.0	0.00%	0.0	0.00%	4,906.6	0.37%
e649	Class1a	8	994.0	0.08%	994.0	0.08%	4,235.0	0.32%
e651	Class1a	67	1,163.4	0.09%	1,163.4	0.09%	2,060.8	0.16%
e655	Class1a	55	35.1	0.00%	35.1	0.00%	541.3	0.04%
e01	Consortia	785	52,539.6	3.99%	62,699.2	4.76%	72,888.8	5.53%
e05	Consortia	6,333	127,247.6	9.66%	212,991.2	16.16%	233,986.2	17.76%
e89	Consortia	3,051	67,759.6	5.14%	69,330.0	5.26%	119,315.0	9.05%
e280	Consortia	567	17,884.6	1.36%	17,917.5	1.36%	50,527.2	3.83%
e281	Consortia	101	6,496.1	0.49%	6,496.1	0.49%	24,845.1	1.89%
e283	Consortia	948	20,060.6	1.52%	20,205.0	1.53%	18,926.0	1.44%
e305	Consortia	392	24,329.2	1.85%	26,244.9	1.99%	41,067.5	3.12%
e585	Consortia	221	11,930.6	0.91%	20,821.2	1.58%	29,644.8	2.25%
e658	Consortia	444	6,350.5	0.48%	6,350.5	0.48%	28,710.0	2.18%
e348	Direct Access: ARCHER RAP	215	6,294.4	0.48%	6,294.4	0.48%	6,846.9	0.52%
e632	Instant Access	1,154	1,399.9	0.11%	1,420.3	0.11%	934.9	0.07%
e650	Instant Access	0	0.0	0.00%	0.0	0.00%	135.8	0.01%

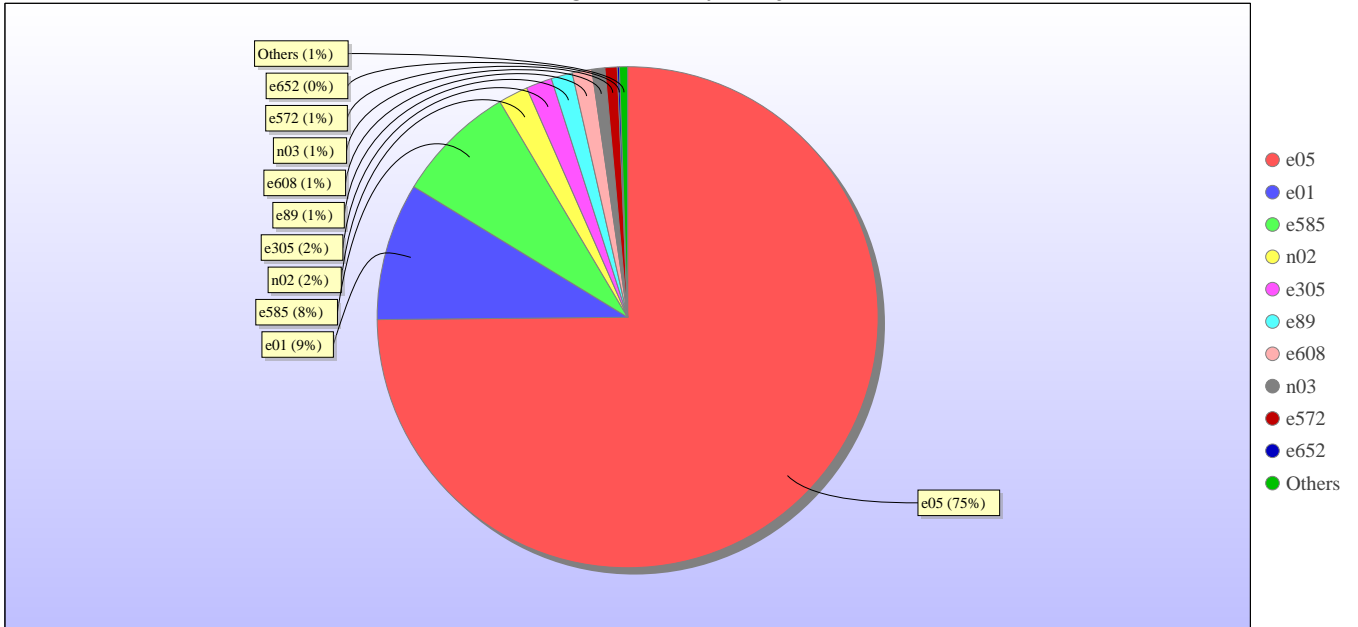
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e652	Instant Access	2	156.3	0.01%	312.6	0.02%	125.3	0.01%
e653	Instant Access	0	0.0	0.00%	0.0	0.00%	136.3	0.01%
e656	Instant Access	0	0.0	0.00%	0.0	0.00%	204.4	0.02%
e657	Instant Access	78	159.9	0.01%	159.9	0.01%	200.9	0.02%
e659	Instant Access	0	0.0	0.00%	0.0	0.00%	202.5	0.02%
e660	Instant Access	17	330.3	0.03%	331.7	0.03%	176.0	0.01%
e661	Instant Access	0	0.0	0.00%	0.0	0.00%	32.6	0.00%
e631	Training	0	0.0	0.00%	0.0	0.00%	2,030.6	0.15%
e644	Training	21	5.4	0.00%	5.4	0.00%	2,286.7	0.17%
e654	Training	17	252.4	0.02%	356.4	0.03%	2,776.1	0.21%
EPSRC Total		19,581	410,483.5	31.15%	521,585.5	39.58%	812,569.8	61.66%
n01	Consortia	1,305	13,466.1	1.02%	13,494.2	1.02%	130,809.2	9.93%
n02	Consortia	5,462	88,062.7	6.68%	90,263.2	6.85%	188,776.1	14.33%
n03	Consortia	918	31,222.7	2.37%	32,175.2	2.44%	85,134.3	6.46%
NERC Total		7,685	132,751.5	10.07%	135,932.7	10.32%	404,719.7	30.71%
e621	Leadership Awards	67	2,510.2	0.19%	2,510.2	0.19%	6,560.1	0.50%
e568	Research	69	215.4	0.02%	215.4	0.02%	3,872.5	0.29%
BBSRC Total		136	2,725.6	0.21%	2,725.6	0.21%	10,432.6	0.79%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2.8	0.00%
pr1u1551	DECI: EXEC	96	15,434.9	1.17%	15,434.9	1.17%	7,571.6	0.57%
pr1u1552	DECI: EXEC	22	888.1	0.07%	888.1	0.07%	2,979.8	0.23%
pr1u1553	DECI: EXEC	296	29,613.0	2.25%	29,613.0	2.25%	10,012.4	0.76%
pr1u1554	DECI: EXEC	40	130.9	0.01%	251.8	0.02%	591.0	0.04%
pr1u1501	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1502	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1503	DECI: HOME	8	95.1	0.01%	95.1	0.01%	548.2	0.04%
pr1u1504	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1505	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1506	DECI: HOME	0	0.0	0.00%	0.0	0.00%	1,624.7	0.12%
pr1u1507	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
PRACE Total		462	46,162.1	3.50%	46,282.9	3.51%	23,330.8	1.77%
d43	ECDF	13	145.9	0.01%	145.9	0.01%	204.4	0.02%
d35	Research	13	0.2	0.00%	0.2	0.00%	168.4	0.01%
d56	Research	866	2,756.0	0.21%	2,832.4	0.21%	6,789.4	0.52%
d88	Research	0	0.0	0.00%	0.0	0.00%	0.6	0.00%
d114	Research	479	1,945.4	0.15%	1,993.0	0.15%	14,336.4	1.09%
d118	Research	398	705.7	0.05%	705.7	0.05%	452.6	0.03%
d137	Research	957	1,472.1	0.11%	1,472.1	0.11%	2,935.6	0.22%
d142	Research	58	196.8	0.01%	208.8	0.02%	735.5	0.06%
d143	Research	39	1,060.7	0.08%	1,060.7	0.08%	1,270.5	0.10%
d150	Research	0	0.0	0.00%	0.0	0.00%	1,448.1	0.11%
d155	Research	5	51.2	0.00%	51.2	0.00%	2,828.9	0.21%
d170	Research	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
d428	Research	35	667.1	0.05%	680.0	0.05%	547.1	0.04%
d153	Industrial	0	0.0	0.00%	0.0	0.00%	226.3	0.02%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	622.4	0.05%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	1,533.3	0.12%
i21	Industrial	8	585.0	0.04%	403.6	0.03%	16,939.9	1.29%
i236	Industrial	0	0.0	0.00%	0.0	0.00%	89.3	0.01%
x08	Industrial	3	53.1	0.00%	53.1	0.00%	1,703.7	0.13%
d171	Training	192	40.3	0.00%	40.3	0.00%	1,131.6	0.09%
d425	Service	0	0.0	0.00%	0.0	0.00%	1.7	0.00%
z99	Service	19	0.1	0.00%	0.1	0.00%	1.7	0.00%
DirectorsTime Total		3,085	9,679.6	0.73%	9,647.1	0.73%	53,968.3	4.10%
y14	Training	188	2.5	0.00%	2.5	0.00%	169.4	0.01%
y01	Service	0	0.0	0.00%	0.0	0.00%	17.0	0.00%
y02	Service	5	0.1	0.00%	0.1	0.00%	85.2	0.01%
y07	Service	0	0.0	0.00%	0.0	0.00%	63.5	0.00%
z01	Service	0	0.0	0.00%	0.0	0.00%	12.7	0.00%
z02	Service	2	0.0	0.00%	0.0	0.00%	4.2	0.00%
z19	Service	145	173.9	0.01%	173.9	0.01%	2,425.8	0.18%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
CSE Total		340	176.5	0.01%	176.5	0.01%	2,777.9	0.21%
Total		31,289	601,978.9	45.68%	716,350.4	54.36%	1,307,799.0	99.24%

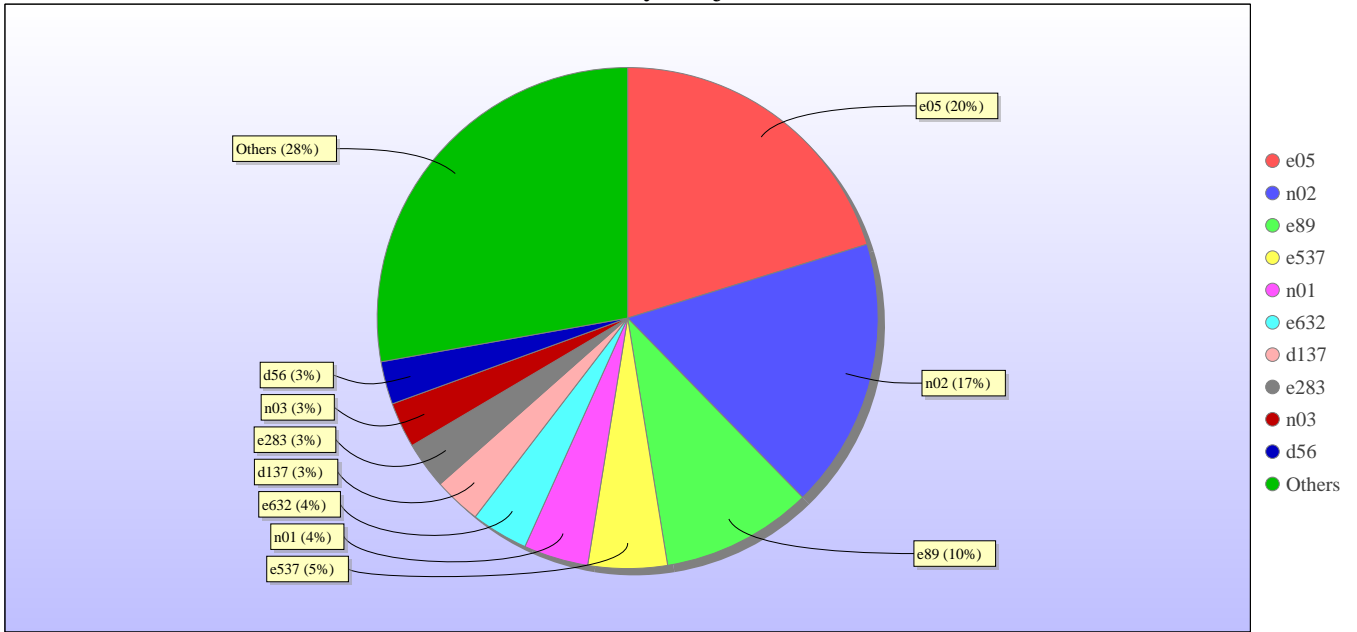
Use by Project



Uncharged Use by Project



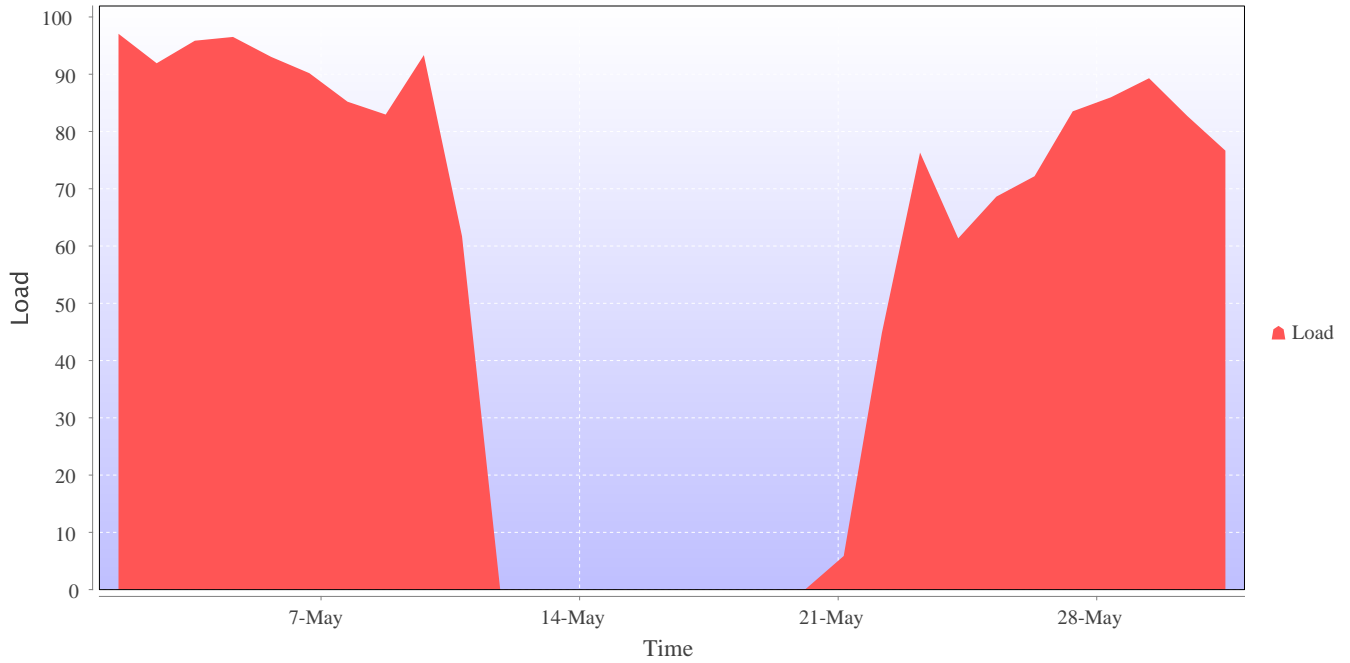
Jobs by Project



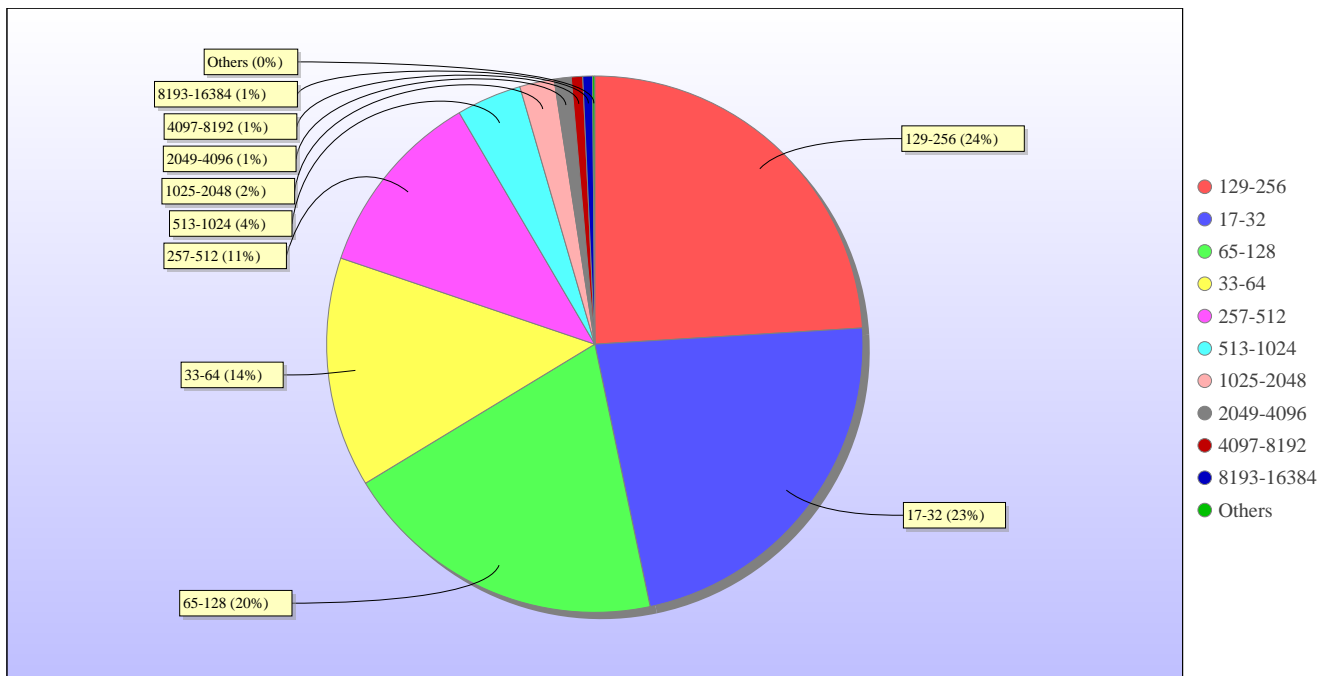
kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	4,232.948	7,087
33-64	14,738.619	4,342
65-128	36,231.864	6,143
129-256	101,887.405	7,520
257-512	127,202.365	3,556
513-1024	88,008.402	1,228
1025-2048	75,051.993	651
2049-4096	33,728.186	320
4097-8192	32,047.357	215
8193-16384	28,563.371	183
16385-32768	59,617.574	37
65537-131072	124.518	4

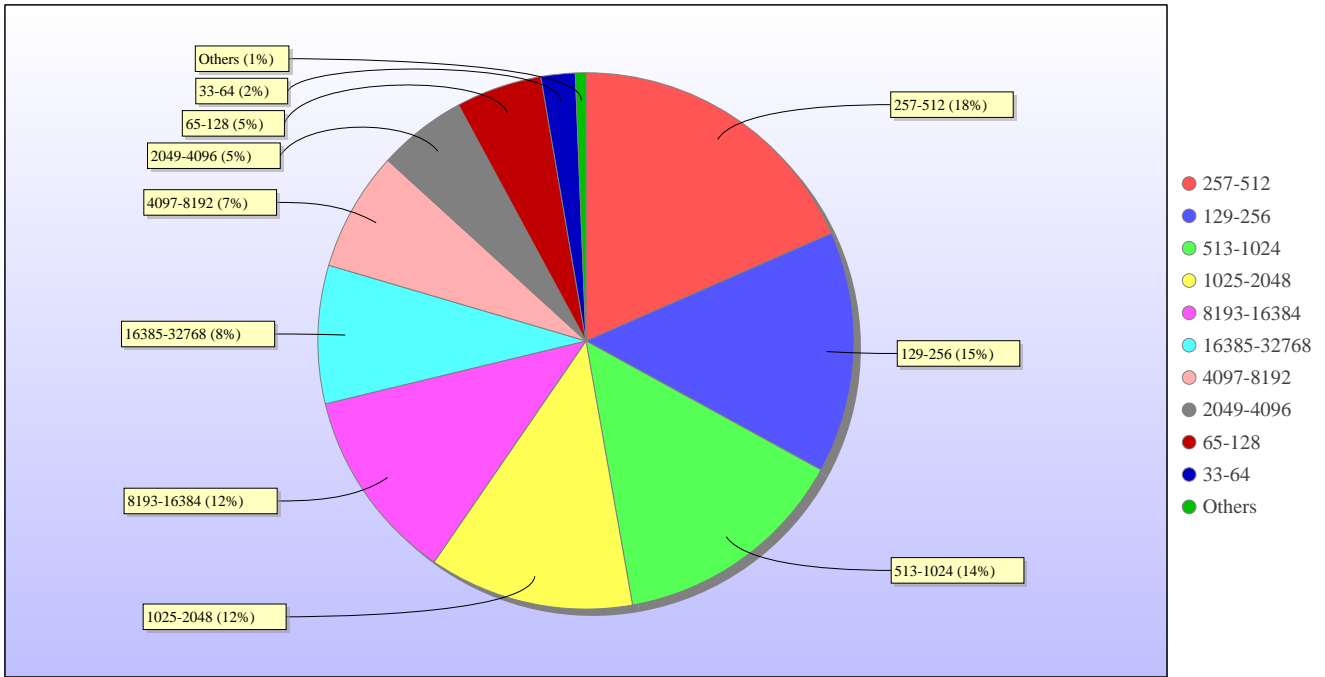
Load plots



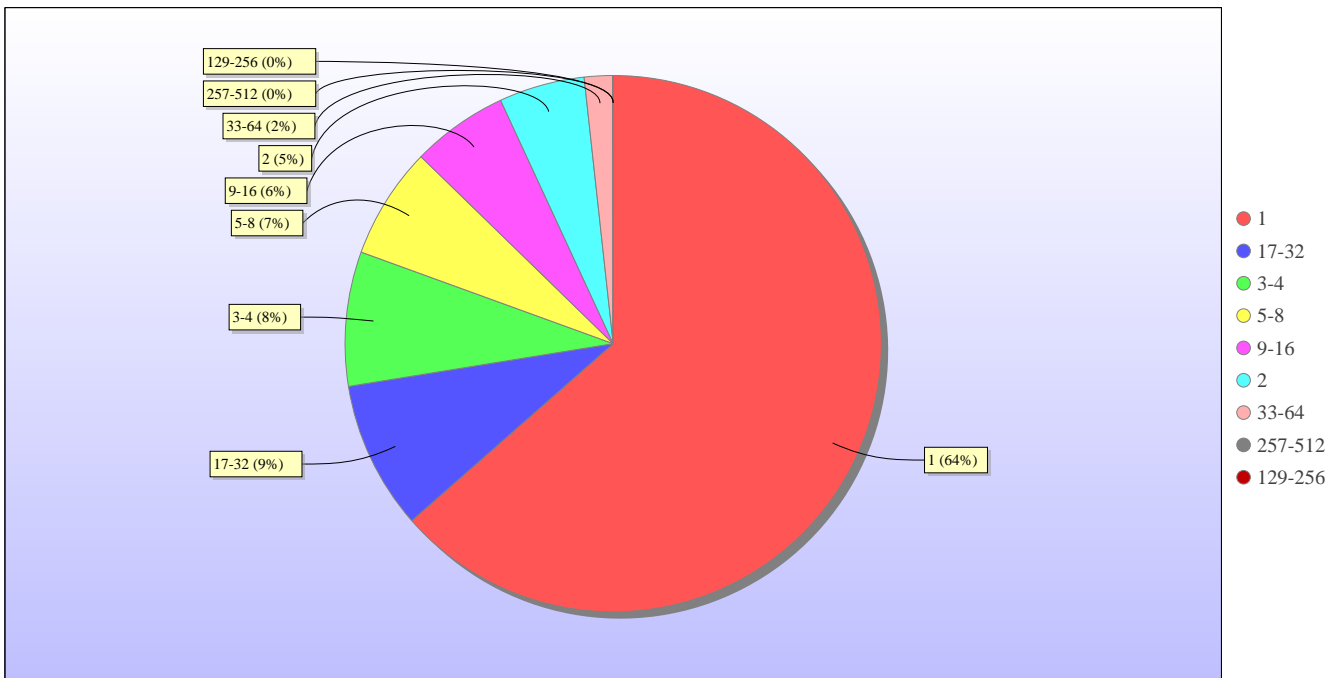
Percentage load on machine



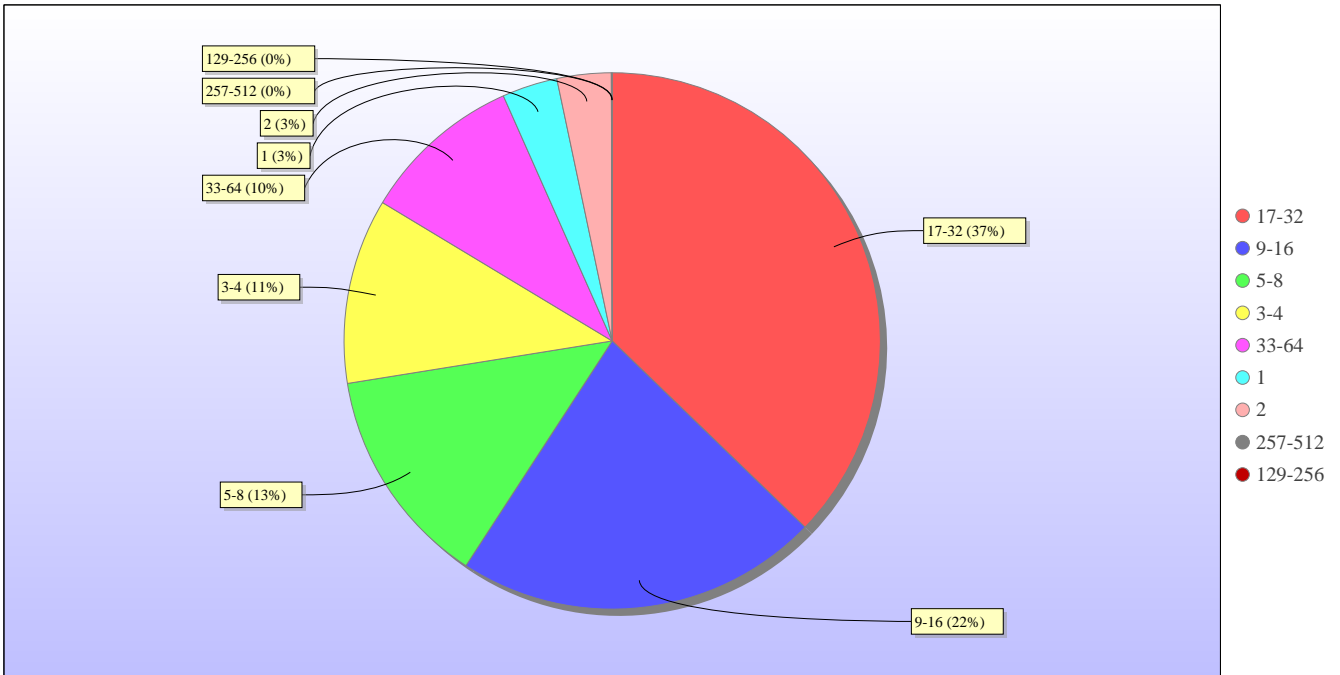
Jobs by Size



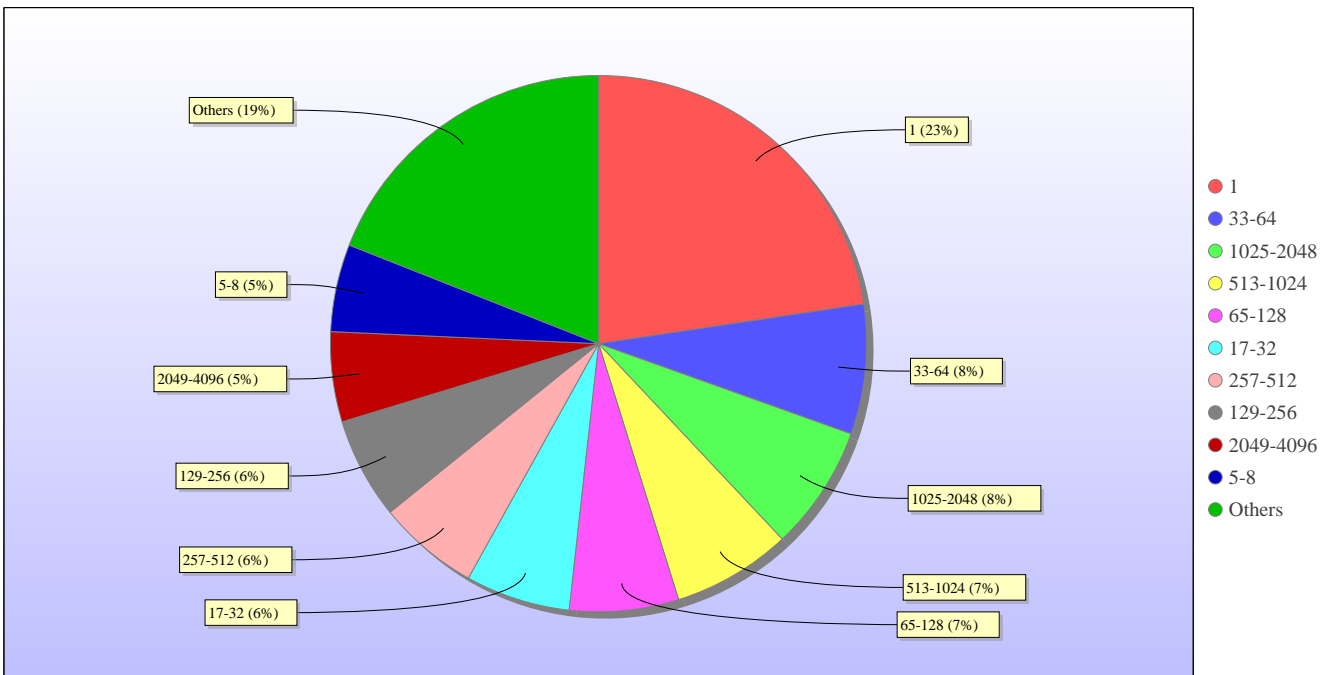
kAUs used by Size



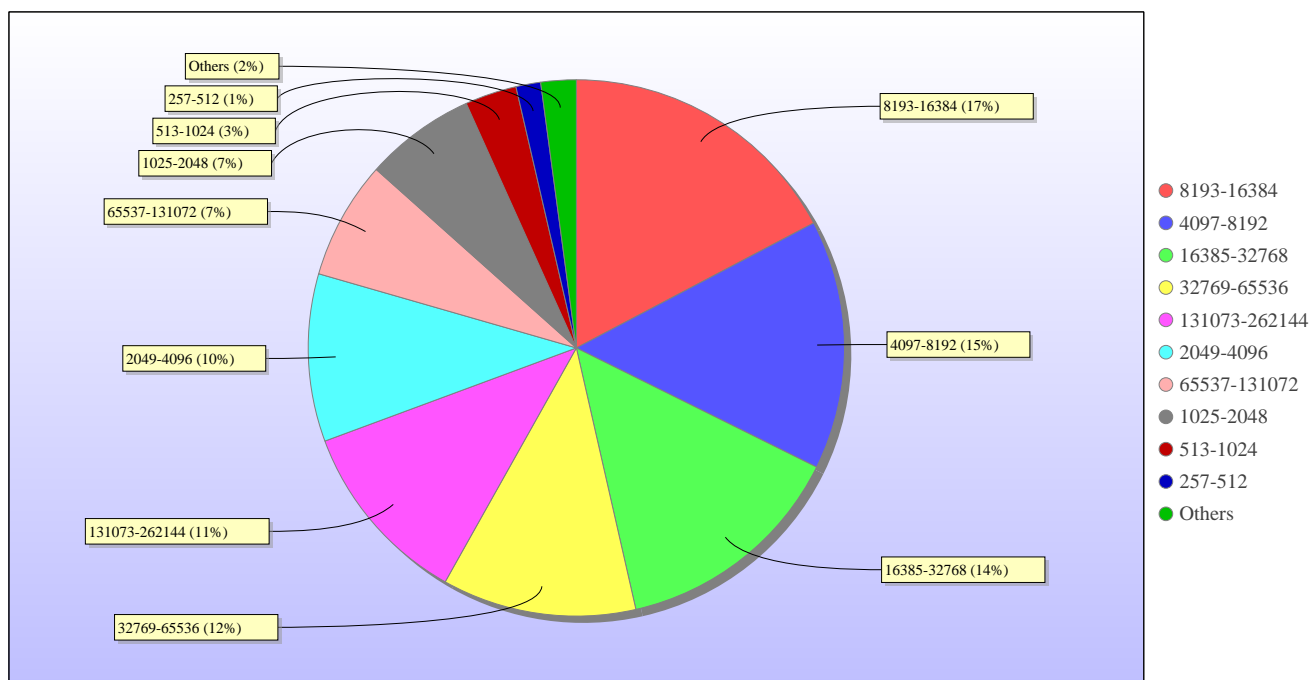
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours



kAUs used grouped by core-hours

Report for Resource Pool RDF on All machines

A total of 0 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.

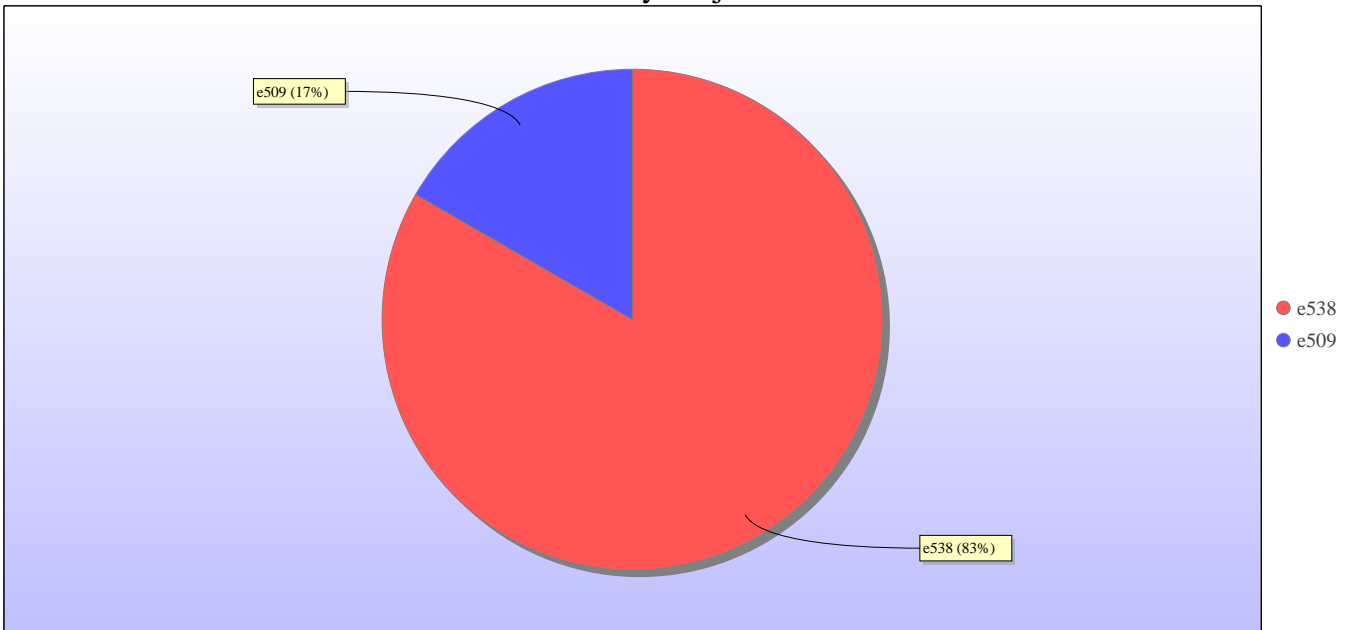
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Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e509	Leadership Awards	1	0.0		0.0		0.0	
e538	Training	5	0.0		0.0		0.0	
EPSRC Total		6	0.0		0.0		0.0	
Total		6	0.0	0	0.0	0	0.0	0

Use by Project



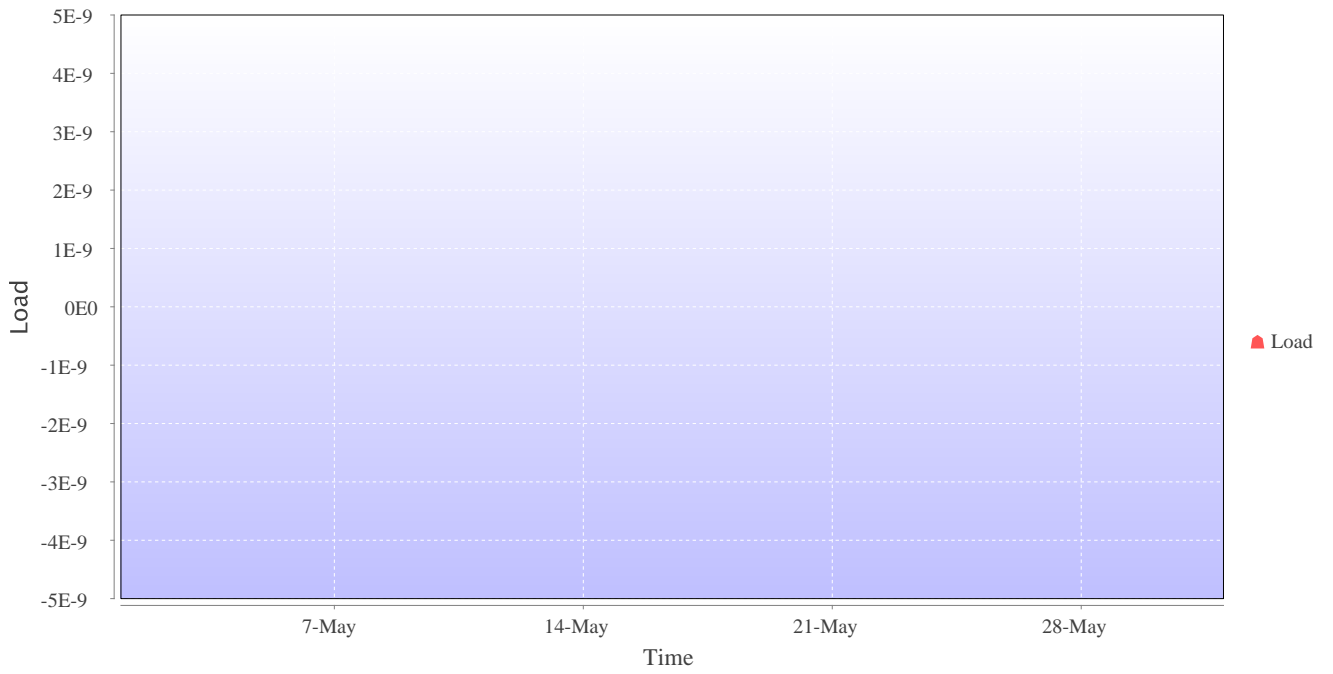
Jobs by Project



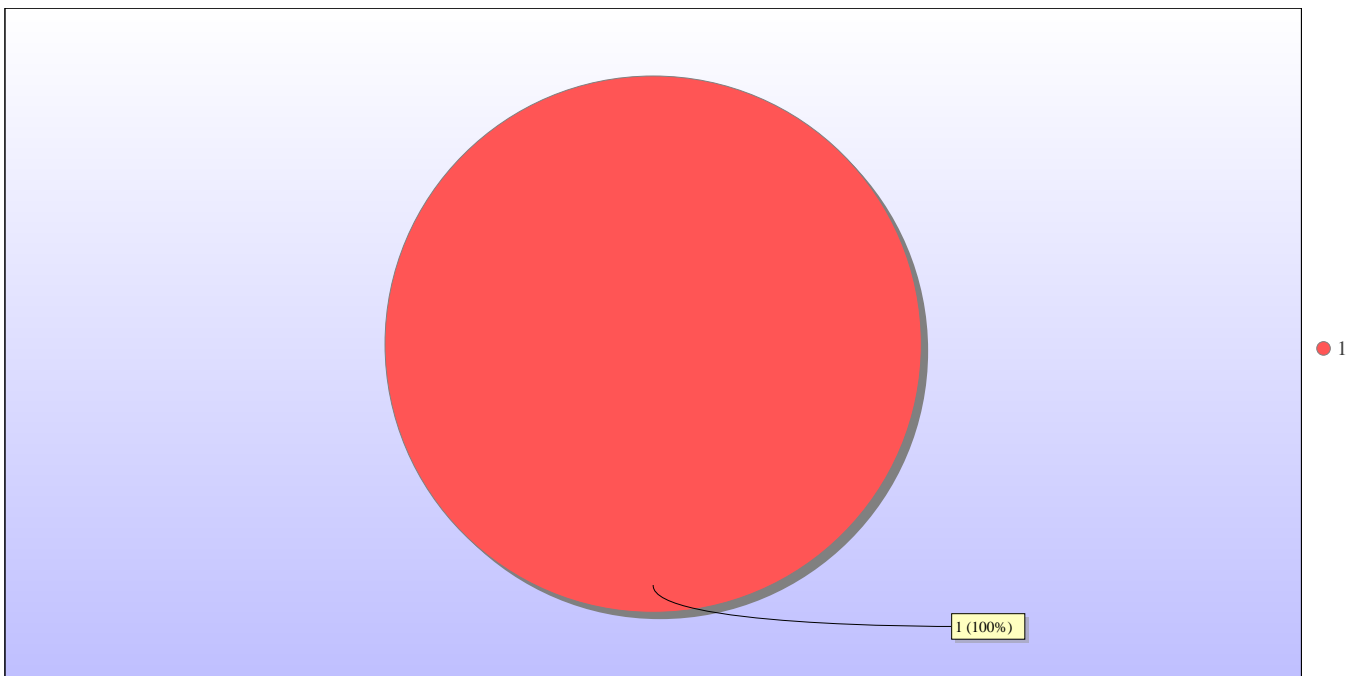
kAUs (by Size)

Size	kAUs	Number of Jobs
1	0	6

Load plots



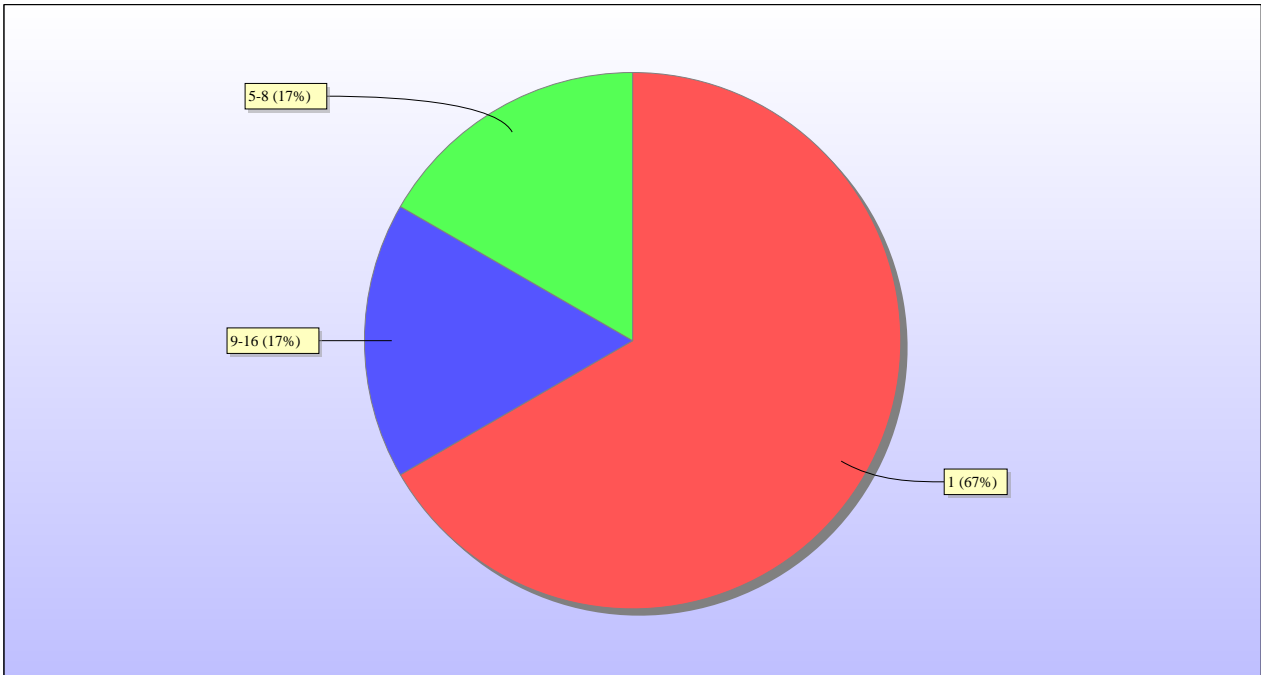
Percentage load on machine



Jobs by Size



kAUs used by Size

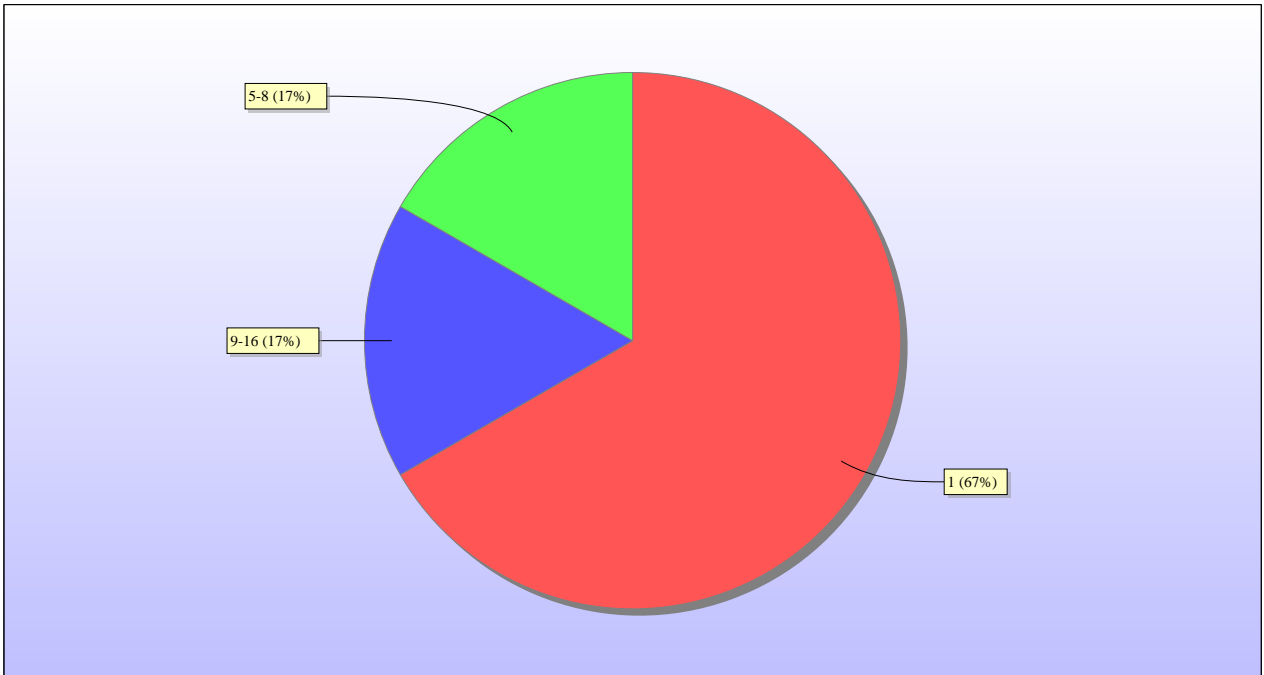


Jobs grouped by wall-clock-hours



- 1
- 5-8
- 9-16

kAUs used grouped by wall-clock-hours



- 1
- 9-16
- 5-8

Jobs grouped by core-hours



kAUs used grouped by core-hours

Report for Resource Pool Bede on All machines

A total of 0 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.

Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation	Project	Project Class
0	0.0	0	0.0	0	0.0	0	Total	

kAUs (by Size)

Load plots

Report for Resource Pool KNL on All machines

A total of 0 kAU were available during this period.

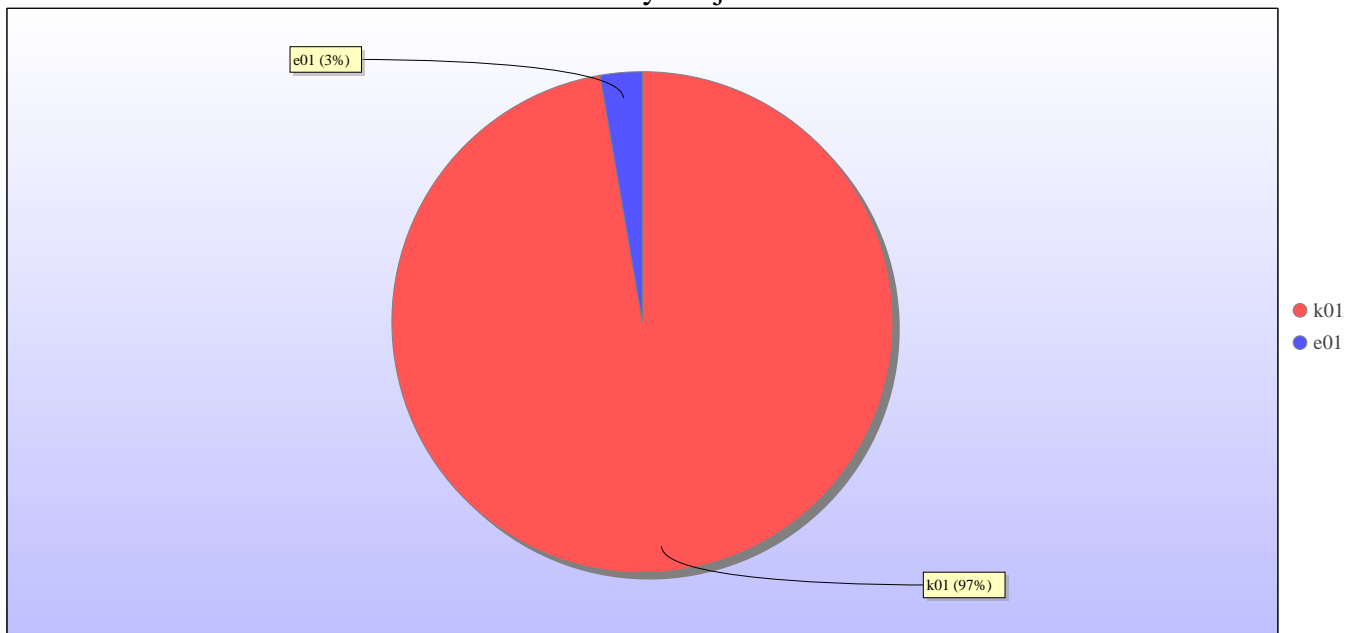
Use and Allocations (by Project)

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.

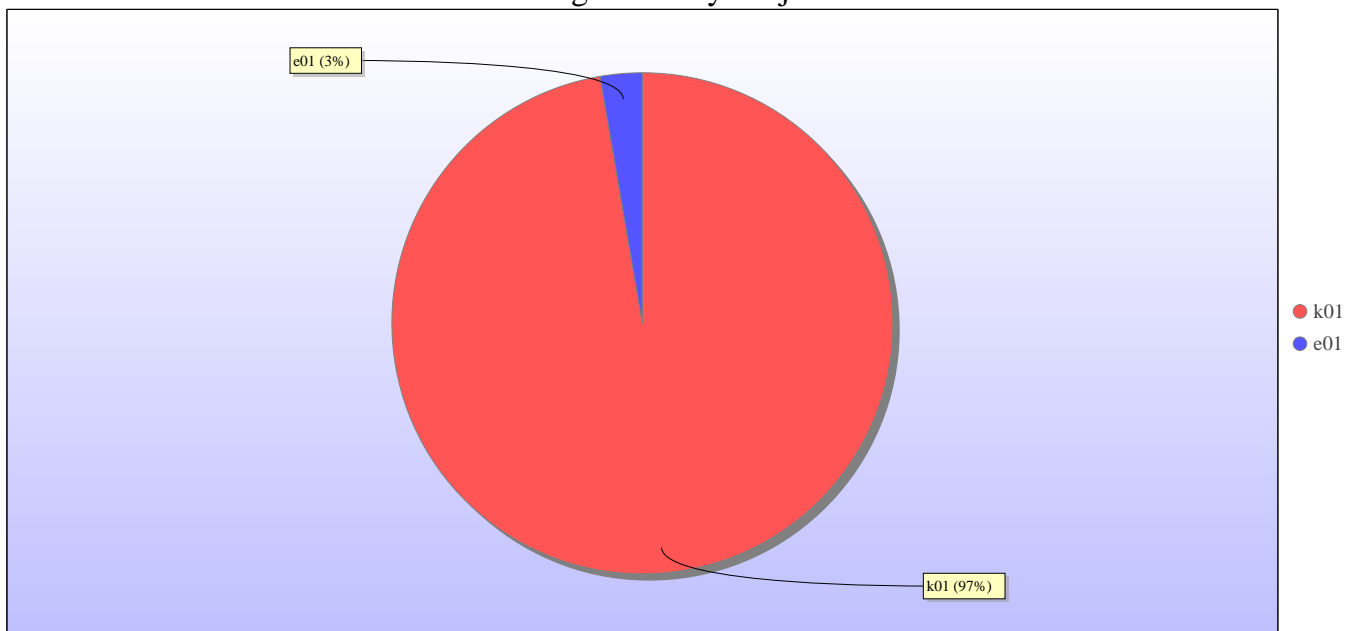
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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	39	0.0		14.8		0.0	
k01	Service	26	0.0		533.0		0.0	
EPSRC Total		65	0.0		547.9		0.0	
Total		65	0.0	0	547.9	0	0.0	0

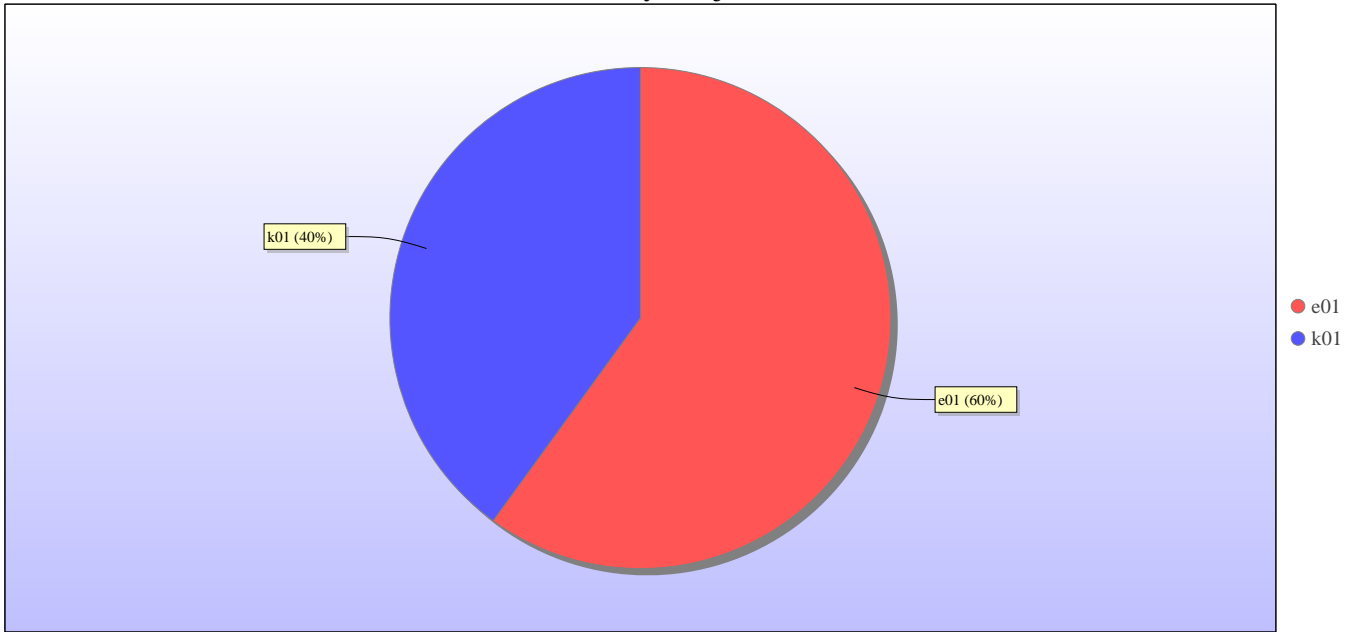
Use by Project



Uncharged Use by Project



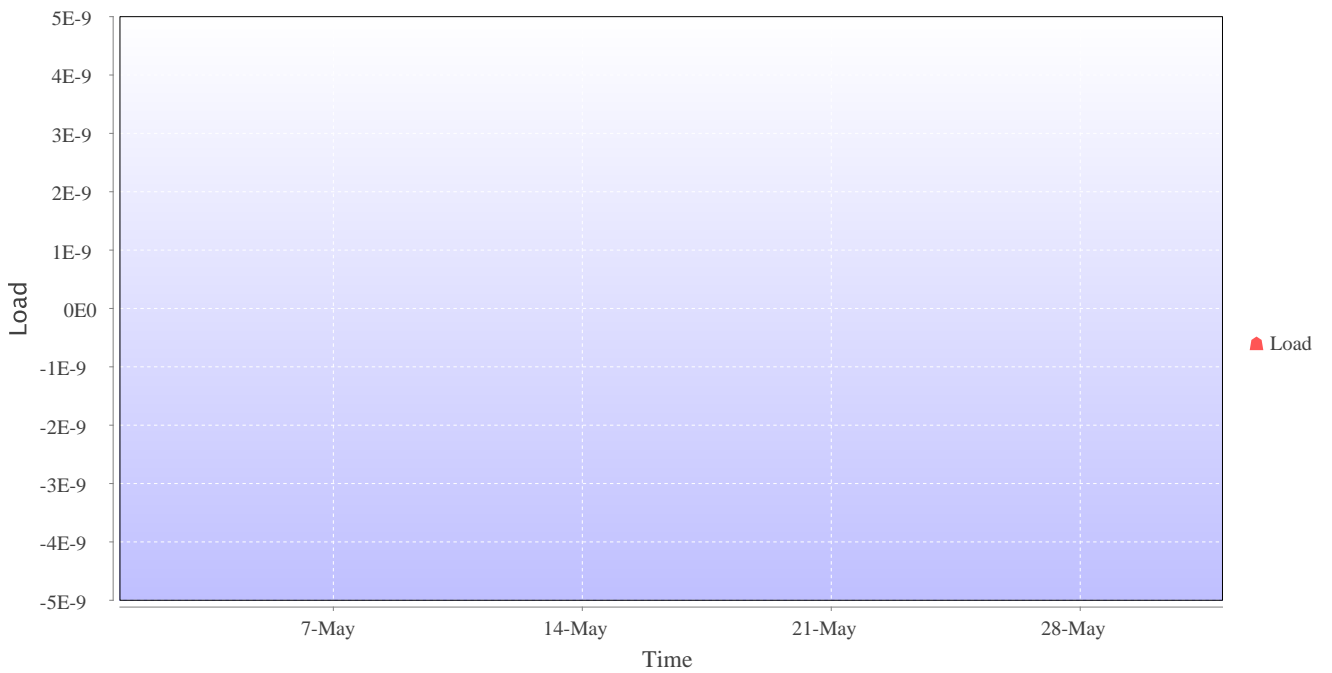
Jobs by Project



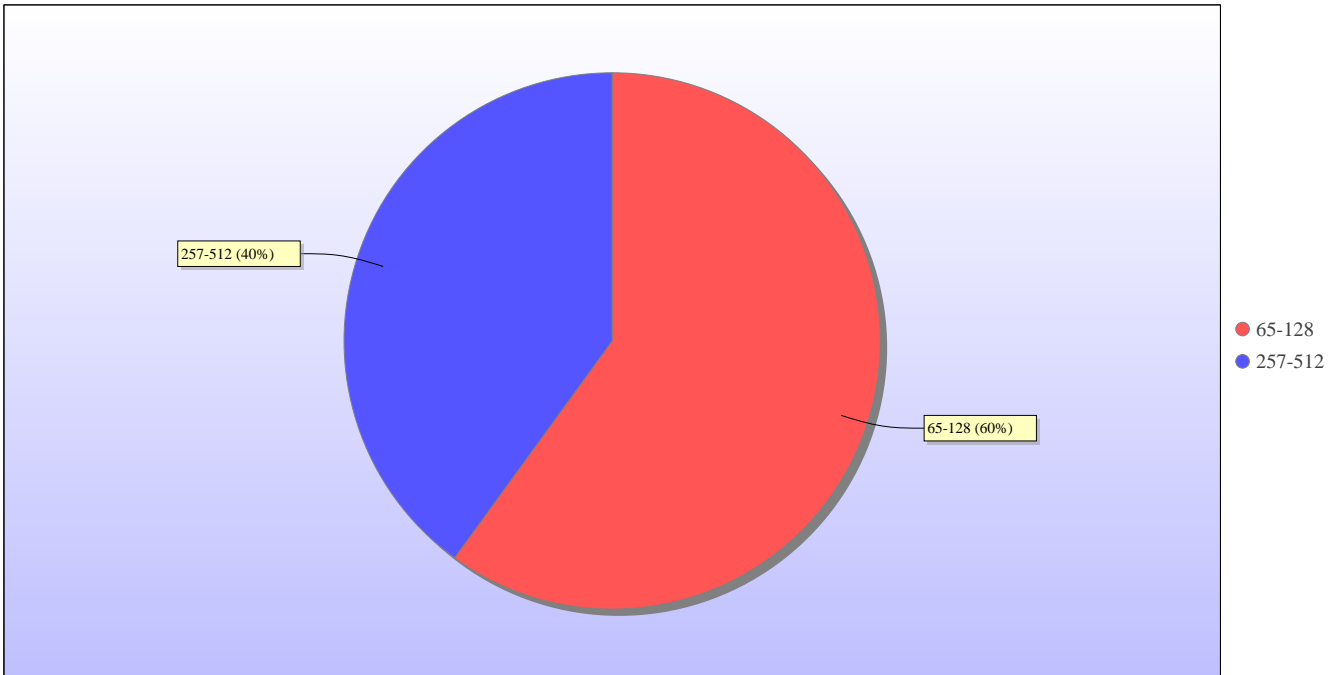
kAUs (by Size)

Size	kAUs	Number of Jobs
65-128	0	39
257-512	0	26

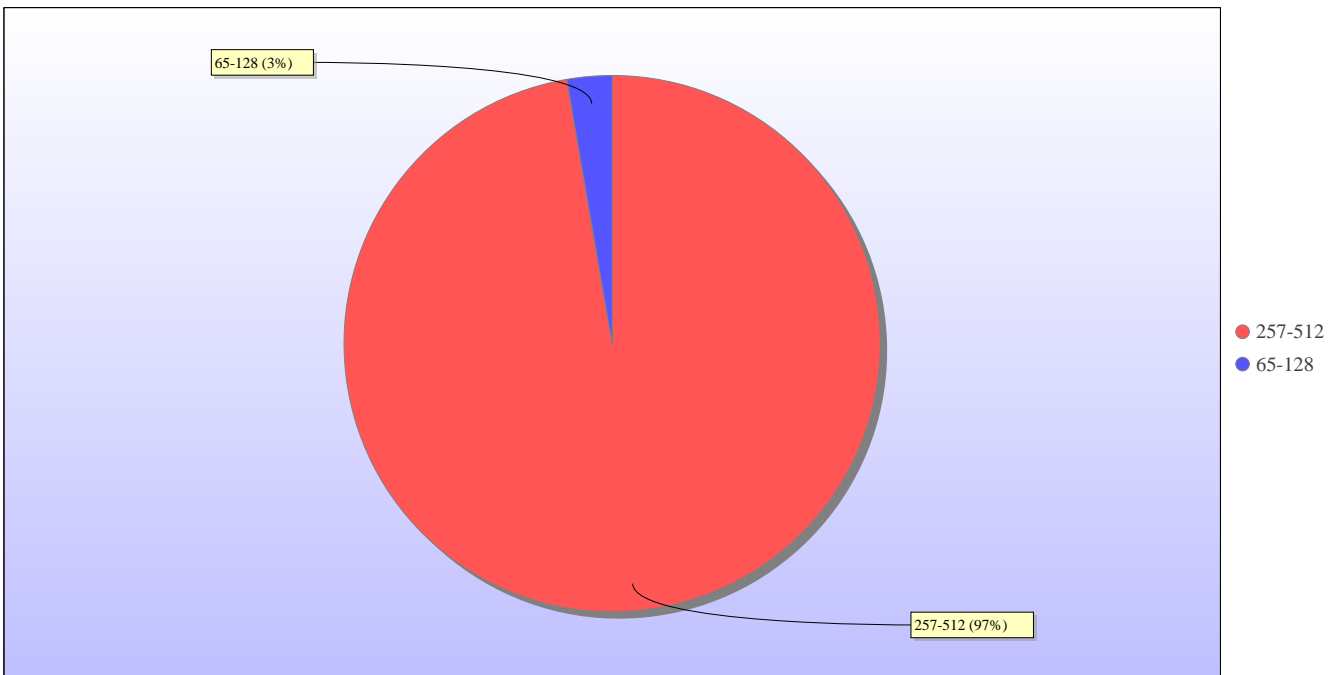
Load plots



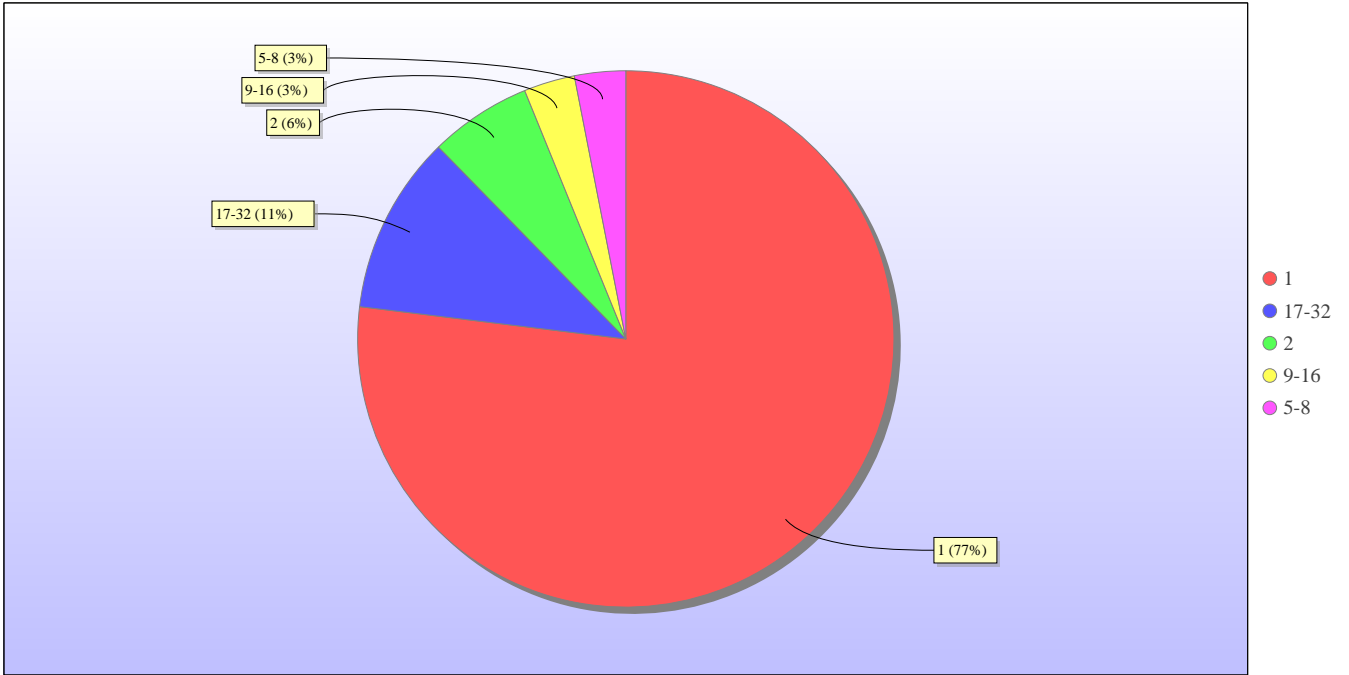
Percentage load on machine



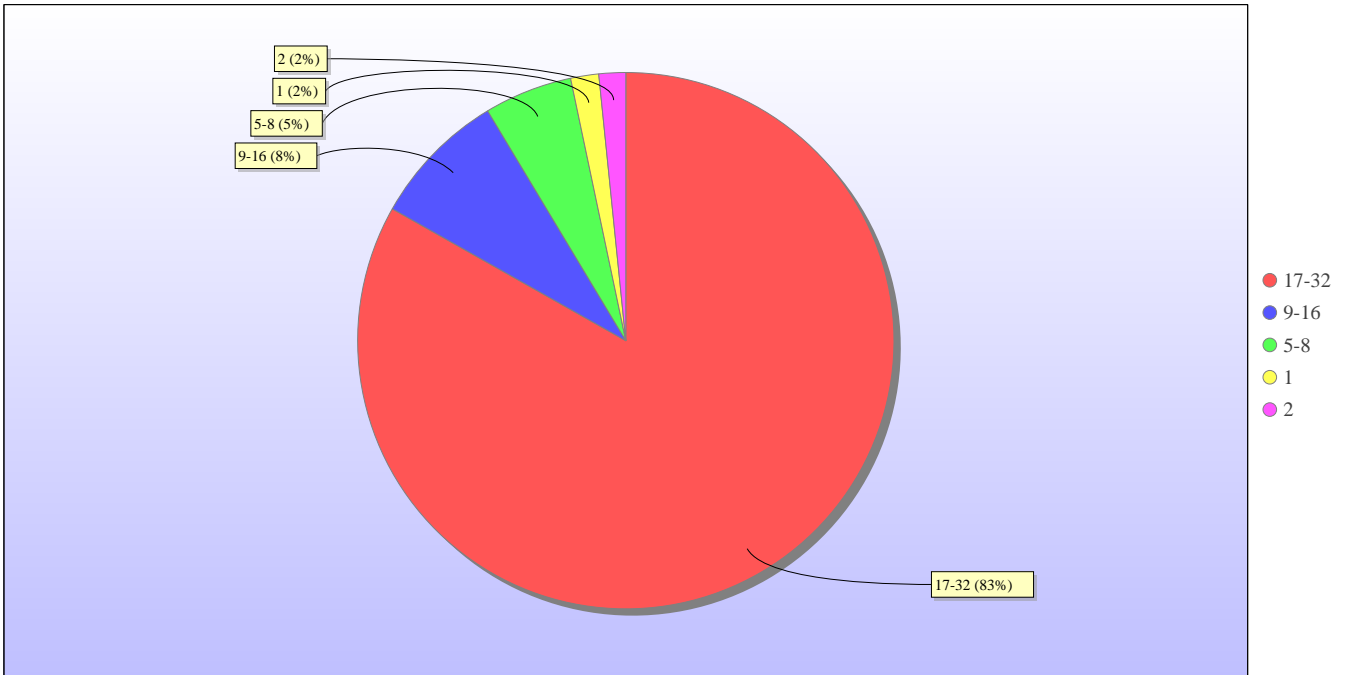
Jobs by Size



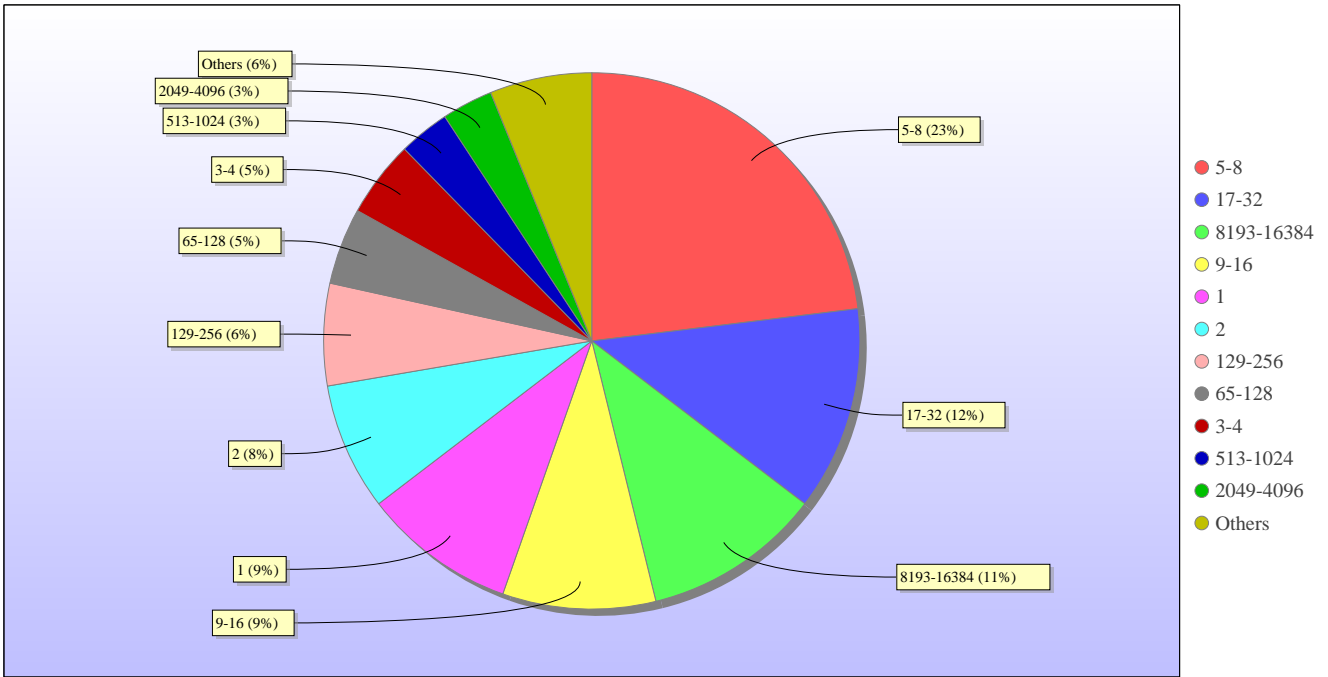
kAUs used by Size



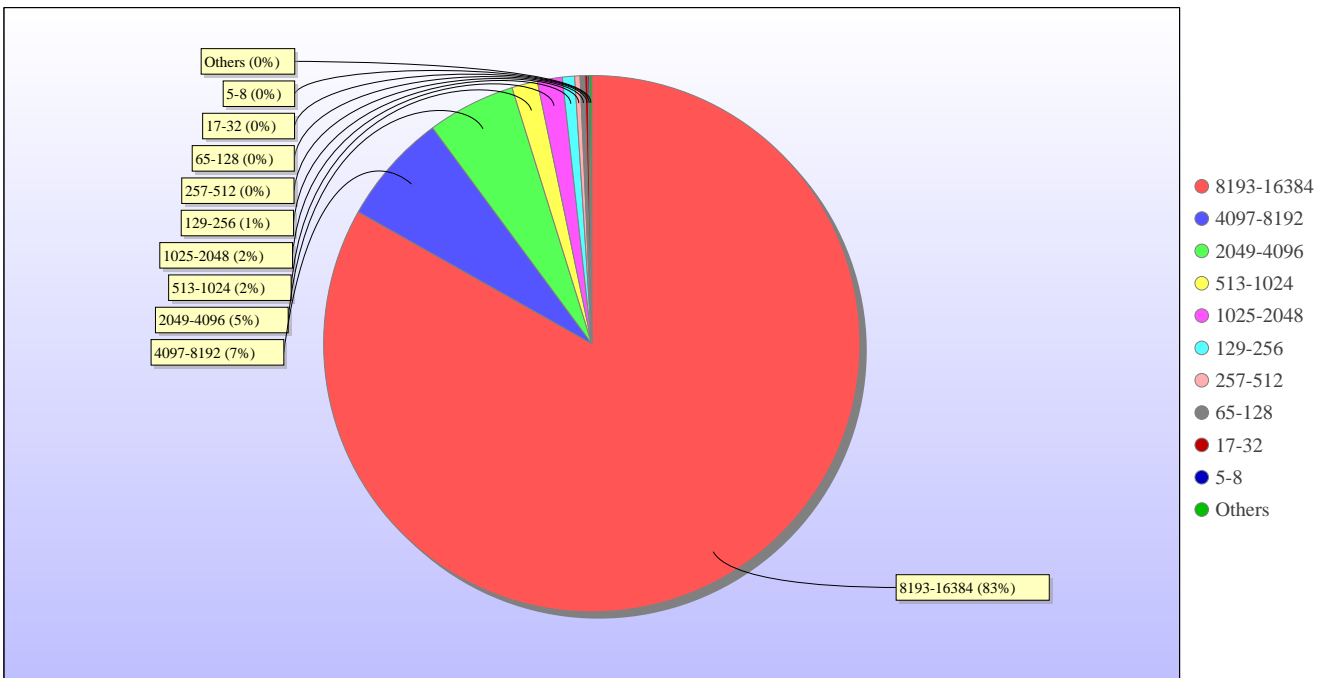
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

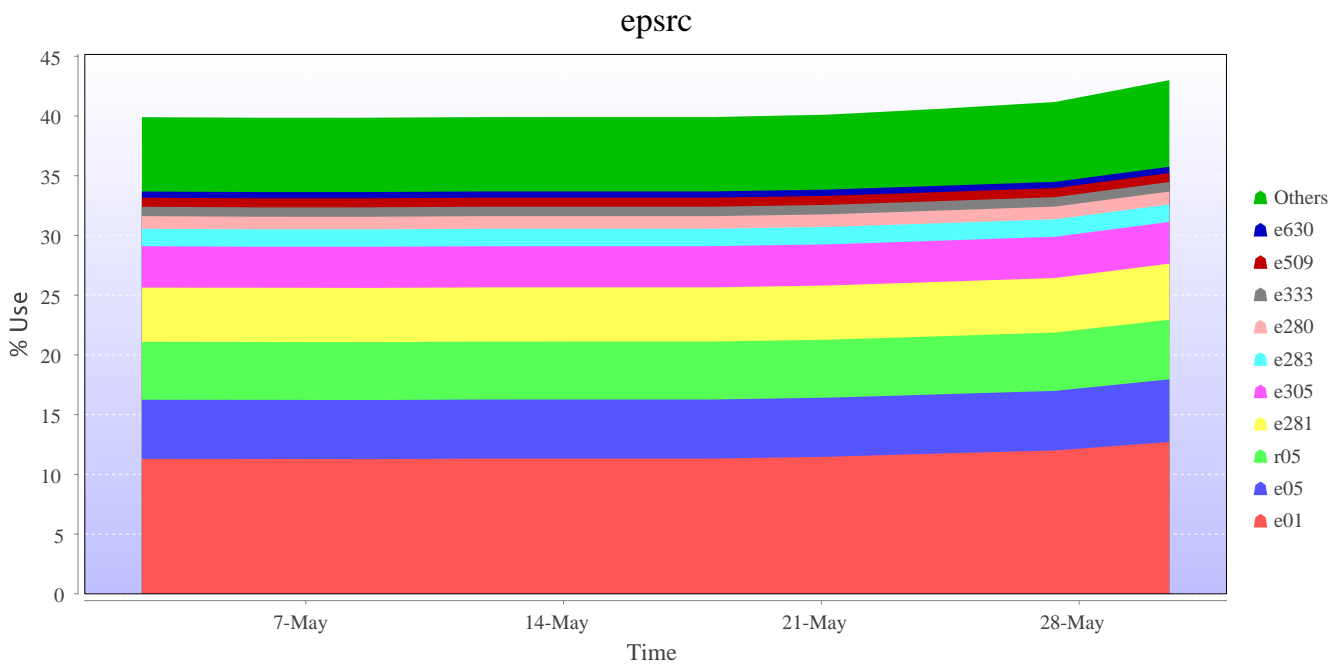


kAUs used grouped by core-hours

Disk usage

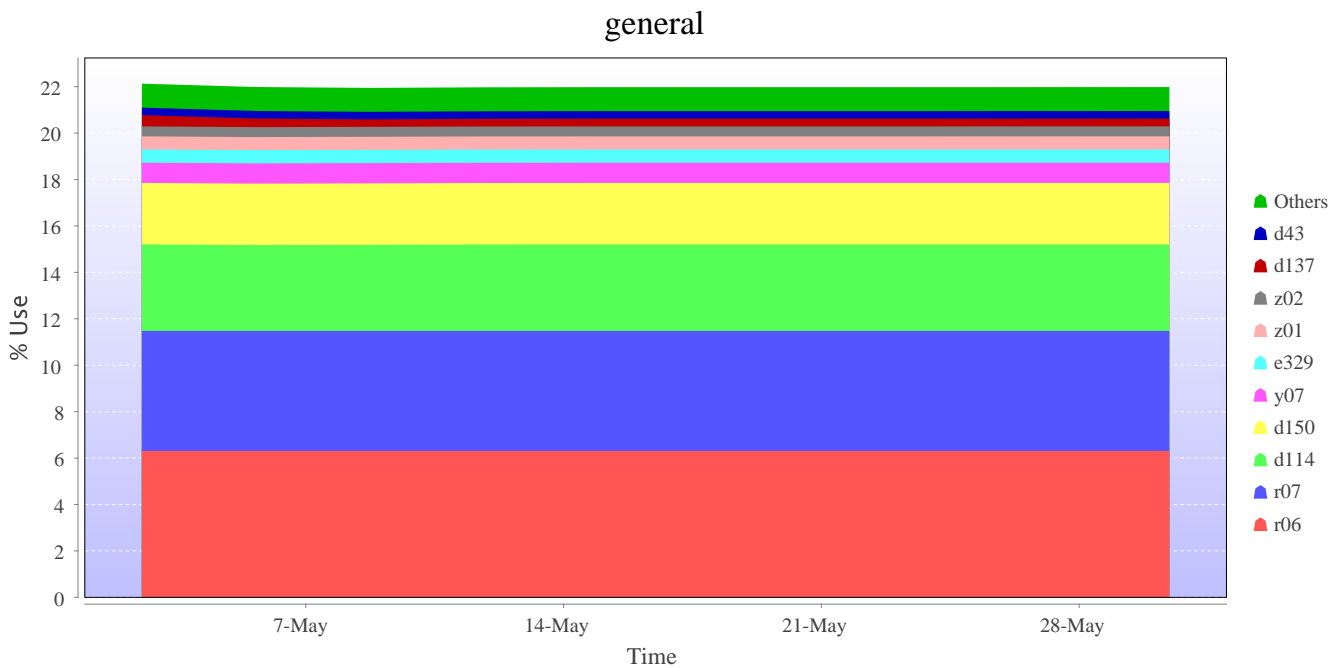
Disk usage for rdf (epsrc)

This is a plot of Disk Use on 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.



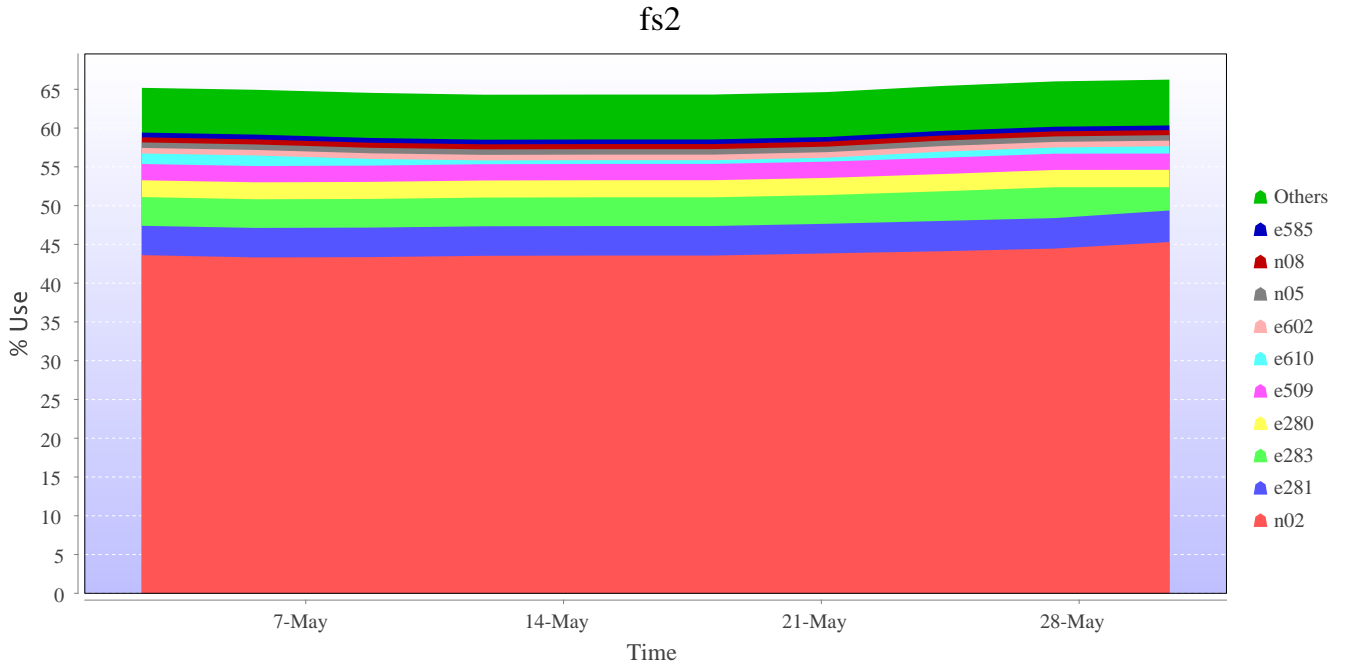
Disk usage for rdf (general)

This is a plot of Disk Use on 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.



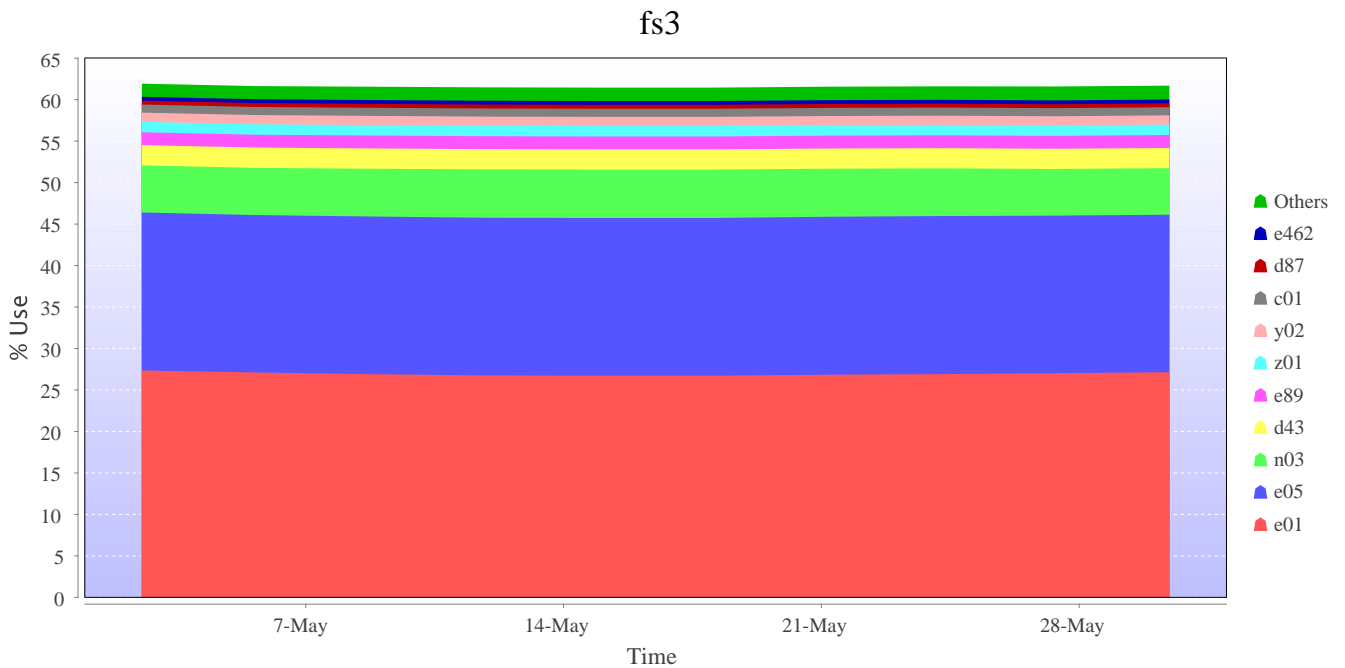
Disk usage for work (fs2)

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.



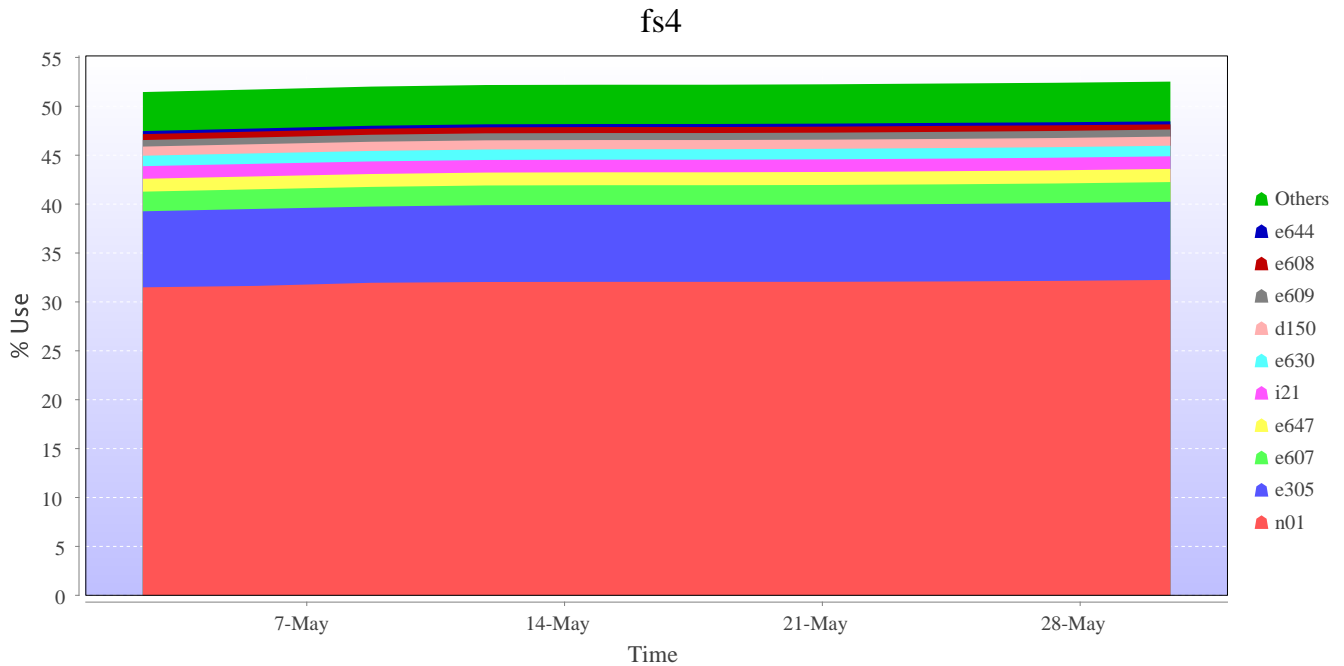
Disk usage for work (fs3)

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.



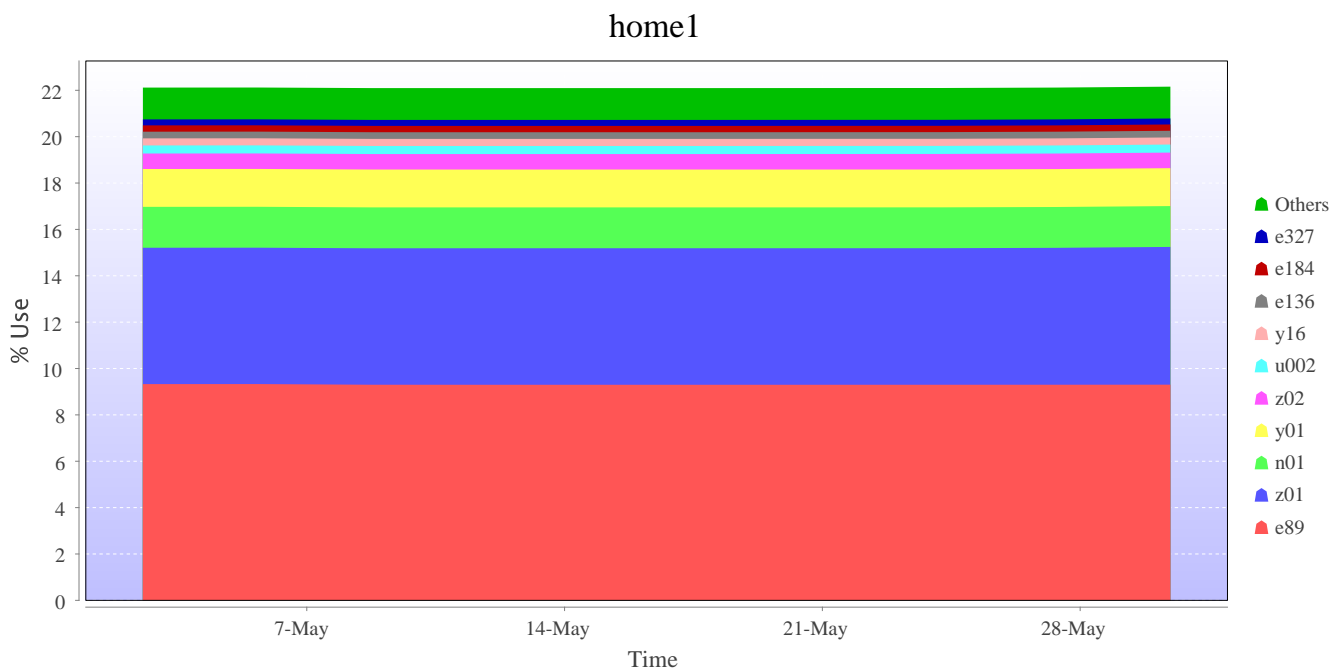
Disk usage for work (fs4)

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.



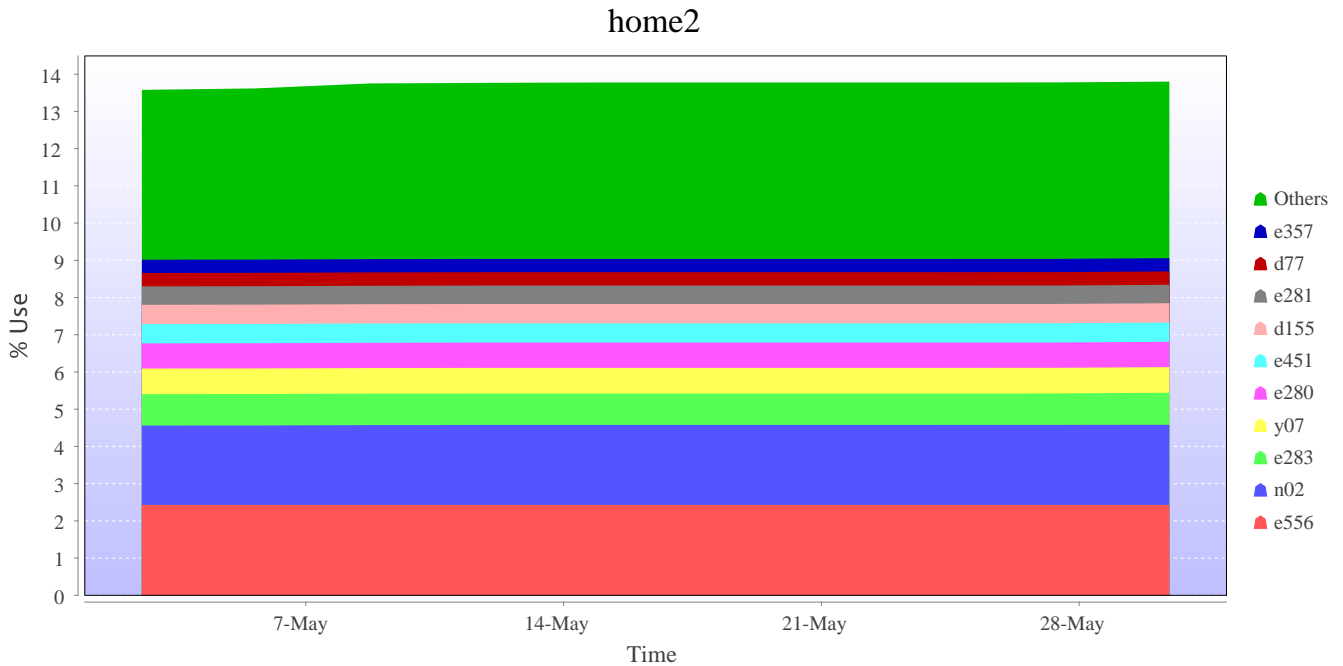
Disk usage for home (home1)

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.



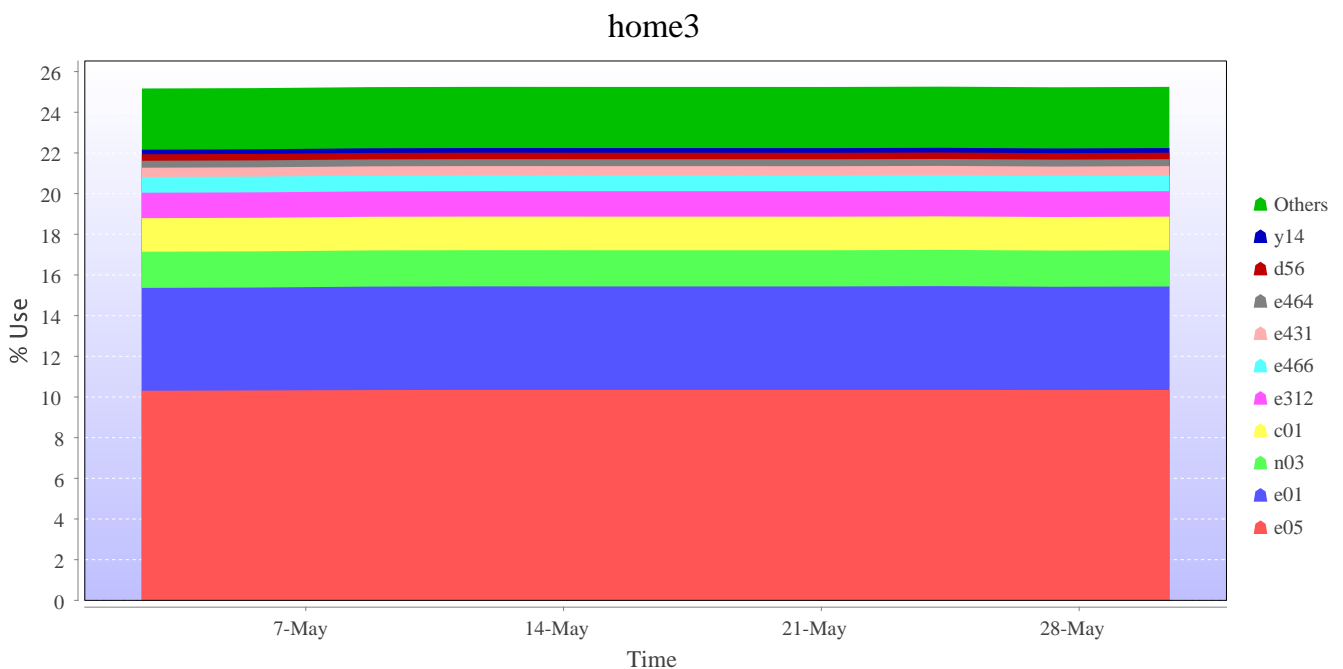
Disk usage for home (home2)

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.



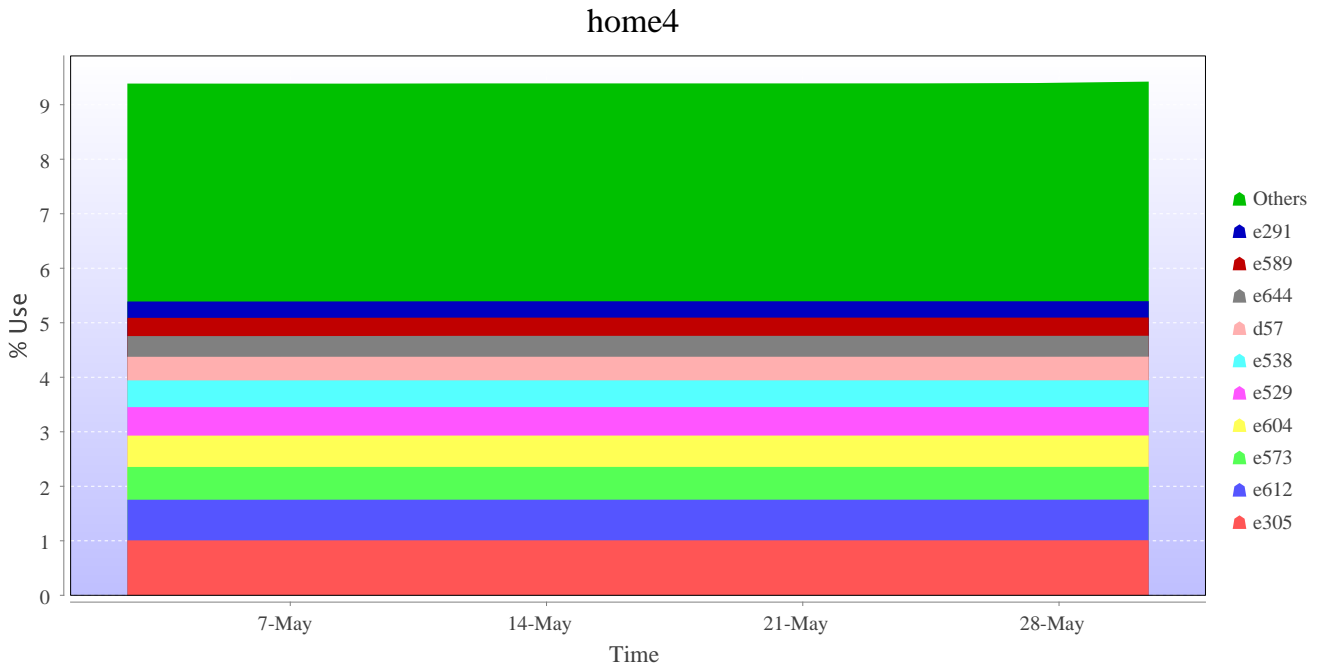
Disk usage for home (home3)

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.



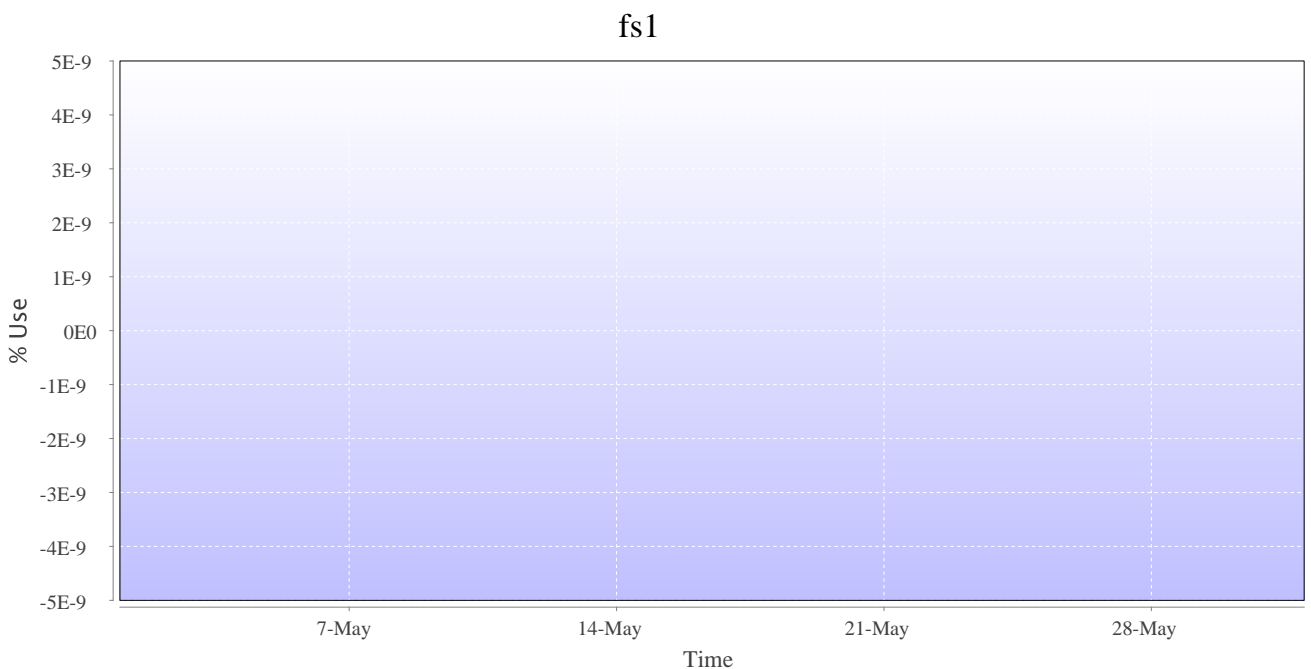
Disk usage for home (home4)

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.



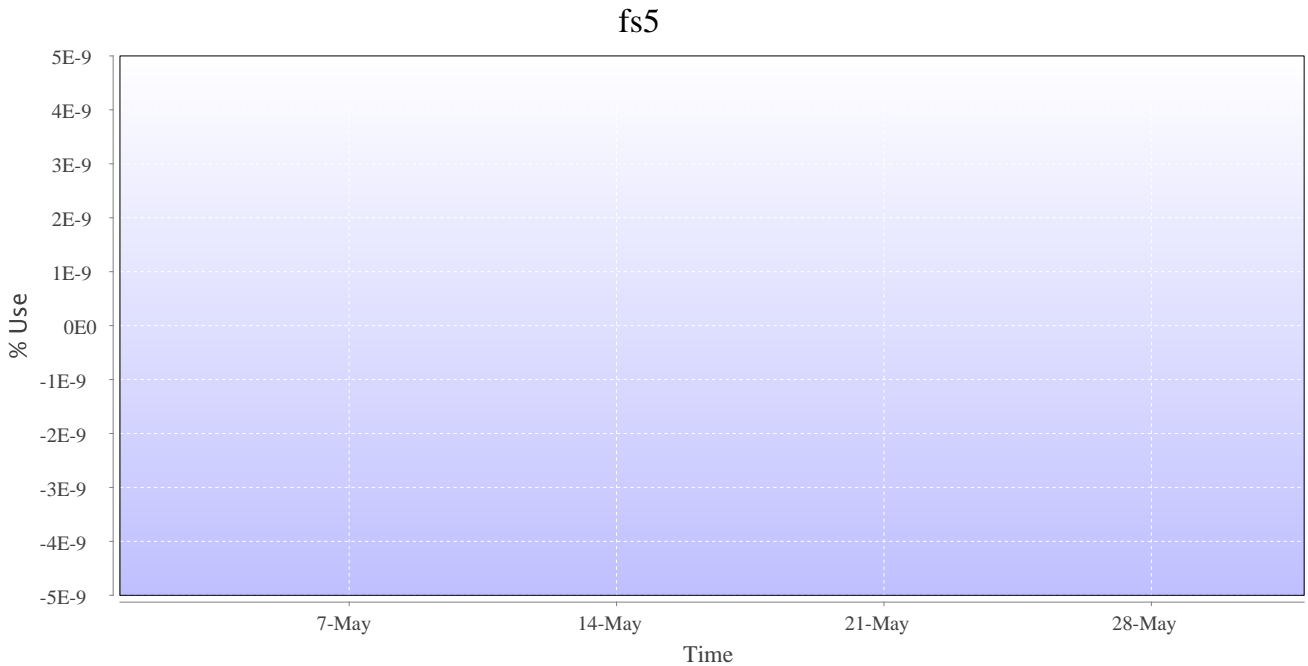
Disk usage for tdswork (fs1)

This is a plot of Disk Use on fs1 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.



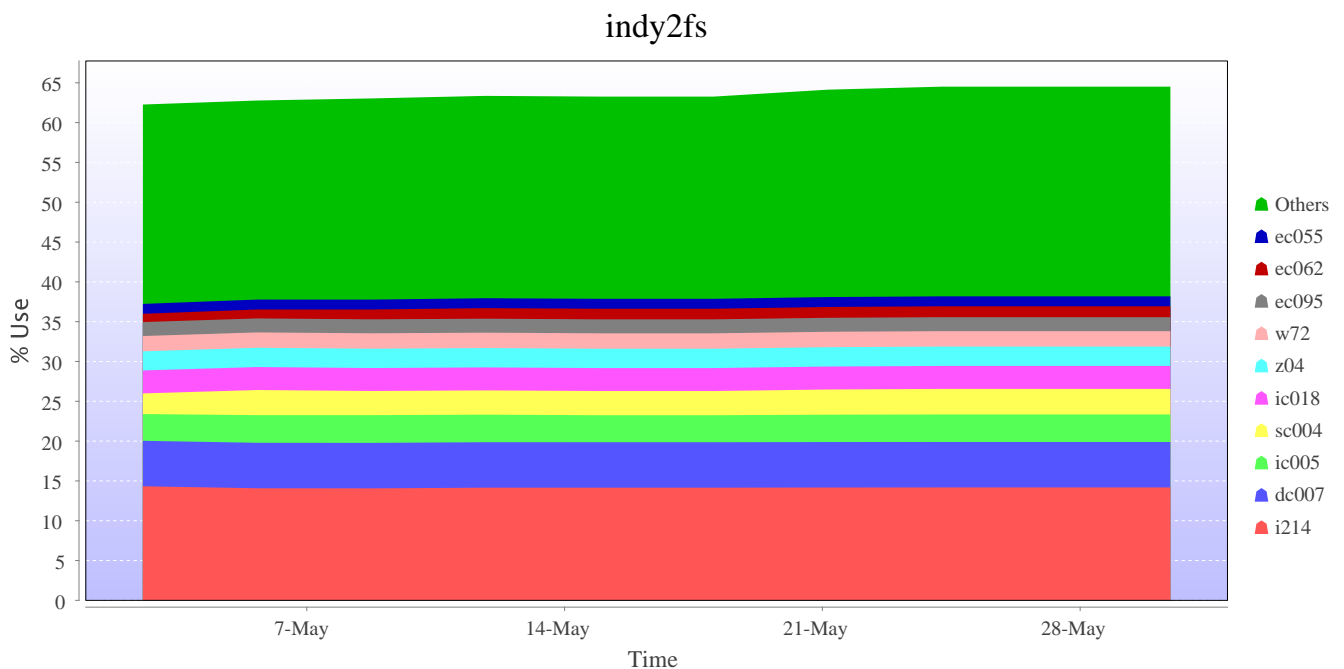
Disk usage for knlwork (fs5)

This is a plot of Disk Use on fs5 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 (indy2fs)

This is a plot of Disk Use on indy2fs 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 (archer2-tds-work)

This is a plot of Disk Use on archer2-tds-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.

