

Monthly Reporting

Report from 01 March 2020 to 31 March 2020

Report for Resource Pool XC on All machines

A total of 1,316,001.591 kAU were available during this period.

Use and Allocations (by Project)

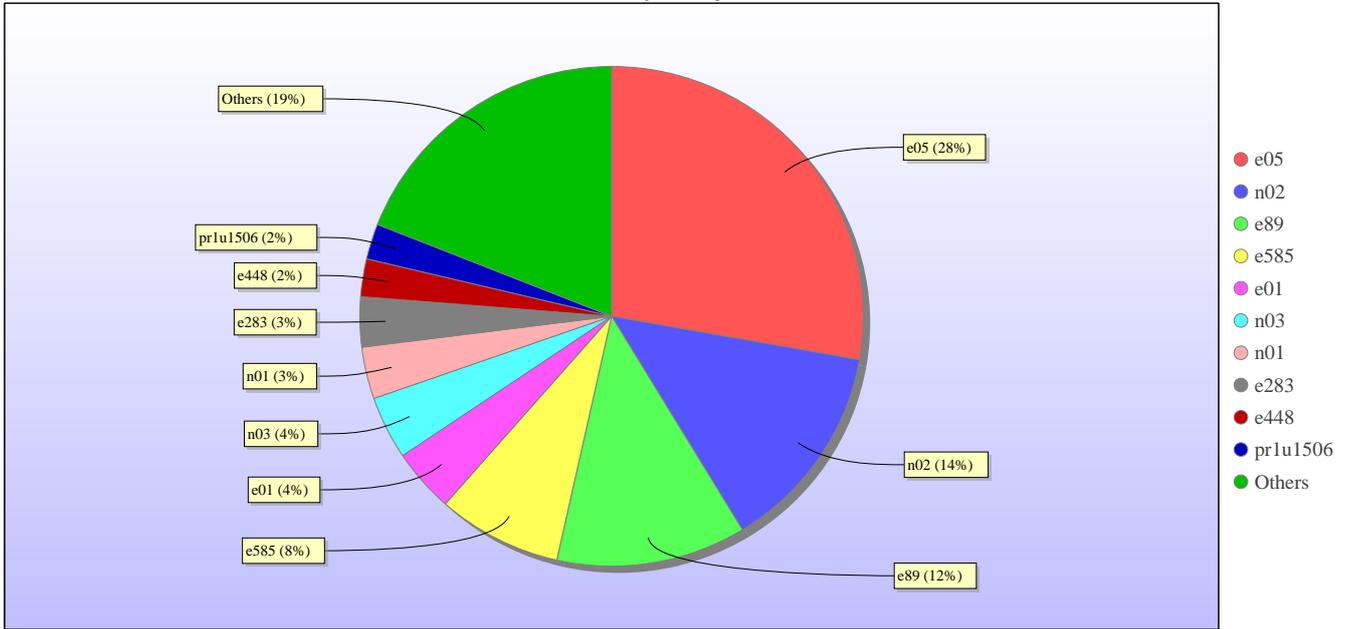
In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

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.

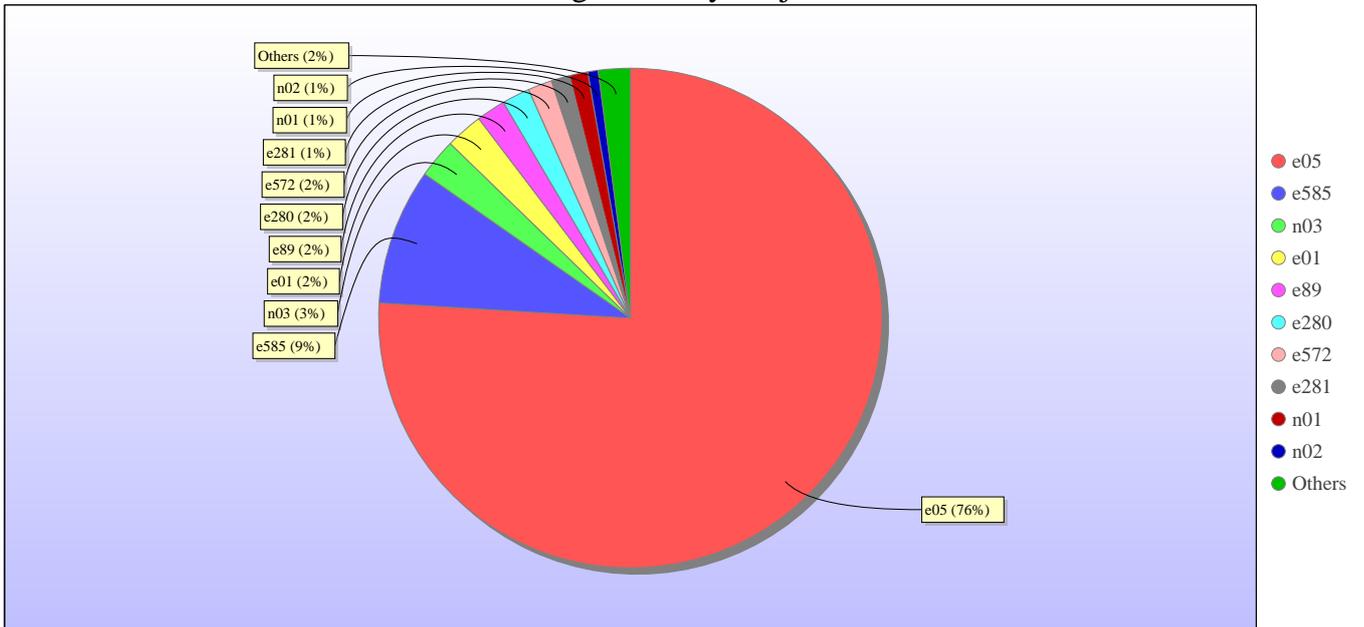
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
E635	Class1a	0	0.0	0.00%	0.0	0.00%	1,692.1	0.13%
c01	Class1a	662	6,643.5	0.50%	6,643.5	0.50%	13,316.3	1.01%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	556.3	0.04%
e432	Class1a	99	4,256.1	0.32%	4,349.5	0.33%	7,947.2	0.60%
e448	Class1a	2,999	24,482.1	1.86%	24,493.1	1.86%	25,272.4	1.92%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	80.5	0.01%
e519	Class1a	0	0.0	0.00%	0.0	0.00%	4,699.0	0.36%
e530	Class1a	0	0.0	0.00%	0.0	0.00%	1,128.4	0.09%
e537	Class1a	0	0.0	0.00%	0.0	0.00%	1,887.8	0.14%
e572	Class1a	1,613	7,272.6	0.55%	9,511.1	0.72%	3,235.1	0.25%
e575	Class1a	43	3,334.8	0.25%	3,334.8	0.25%	2,860.9	0.22%
e584	Class1a	0	0.0	0.00%	0.0	0.00%	1,910.2	0.15%
e588	Class1a	50	9,695.5	0.74%	9,695.5	0.74%	3,045.8	0.23%
e606	Class1a	78	5,919.8	0.45%	5,919.8	0.45%	8,260.0	0.63%
e607	Class1a	96	3,861.4	0.29%	4,051.0	0.31%	11,842.0	0.90%
e608	Class1a	70	798.8	0.06%	913.7	0.07%	3,384.2	0.26%
e609	Class1a	808	16,440.6	1.25%	16,440.6	1.25%	8,627.7	0.66%
e610	Class1a	15	4,400.6	0.33%	4,400.8	0.33%	6,541.8	0.50%
e613	Class1a	6	496.3	0.04%	496.3	0.04%	676.8	0.05%
e627	Class1a	115	2,184.4	0.17%	2,184.4	0.17%	7,483.6	0.57%
e630	Class1a	42	6,394.3	0.49%	6,480.9	0.49%	4,643.8	0.35%
e637	Class1a	1	55.6	0.00%	55.6	0.00%	2,538.1	0.19%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	7,404.1	0.56%
e643	Class1a	9	399.0	0.03%	399.0	0.03%	7,316.0	0.56%
e645	Class1a	50	674.7	0.05%	674.7	0.05%	4,073.1	0.31%
e647	Class1a	272	8,154.2	0.62%	8,147.1	0.62%	5,360.3	0.41%
e648	Class1a	0	0.0	0.00%	0.0	0.00%	4,900.0	0.37%
e649	Class1a	4	0.1	0.00%	0.1	0.00%	2,537.6	0.19%
e651	Class1a	2	20.4	0.00%	20.4	0.00%	2,058.0	0.16%
e655	Class1a	10	231.1	0.02%	231.1	0.02%	540.5	0.04%
e01	Consortia	619	37,671.3	2.86%	41,147.4	3.13%	72,790.9	5.53%
e05	Consortia	8,491	168,796.4	12.83%	278,616.2	21.17%	233,671.7	17.76%
e89	Consortia	5,548	119,610.5	9.09%	122,319.7	9.29%	119,154.6	9.05%
e280	Consortia	298	18,831.7	1.43%	21,419.7	1.63%	57,842.6	4.40%
e281	Consortia	592	12,166.1	0.92%	13,896.1	1.06%	24,811.7	1.89%
e283	Consortia	1,764	32,233.4	2.45%	32,389.4	2.46%	18,900.6	1.44%
e305	Consortia	630	19,359.7	1.47%	20,004.5	1.52%	41,012.3	3.12%
e585	Consortia	573	67,326.3	5.12%	80,064.3	6.08%	29,605.0	2.25%
e658	Consortia	0	0.0	0.00%	0.0	0.00%	5,518.2	0.42%
e348	Direct Access: ARCHER RAP	118	3,400.0	0.26%	3,400.0	0.26%	6,837.7	0.52%
e632	Instant Access	3,635	471.9	0.04%	526.5	0.04%	109.9	0.01%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e646	Instant Access	0	0.0	0.00%	0.0	0.00%	201.9	0.02%
e650	Instant Access	6	160.9	0.01%	311.0	0.02%	135.6	0.01%
e652	Instant Access	0	0.0	0.00%	0.0	0.00%	204.2	0.02%
e653	Instant Access	0	0.0	0.00%	0.0	0.00%	136.1	0.01%
e656	Instant Access	0	0.0	0.00%	0.0	0.00%	204.2	0.02%
e657	Instant Access	85	402.5	0.03%	402.5	0.03%	51.6	0.00%
e612	Training	176	1,035.3	0.08%	1,035.3	0.08%	1,911.2	0.15%
e631	Training	2	0.0	0.00%	891.3	0.07%	2,027.8	0.15%
e644	Training	602	776.0	0.06%	837.1	0.06%	2,283.6	0.17%
e654	Training	157	339.8	0.03%	565.8	0.04%	2,772.4	0.21%
EPSRC Total		30,340	588,297.4	44.70%	726,269.6	55.19%	776,003.5	58.97%
n01	Consortia	1,254	33,930.9	2.58%	33,691.1	2.56%	120,938.5	9.19%
n02	Consortia	25,595	134,525.4	10.22%	135,477.0	10.29%	161,827.7	12.30%
n03	Consortia	1,420	37,236.9	2.83%	40,889.2	3.11%	78,177.6	5.94%
NERC Total		28,269	205,693.2	15.63%	210,057.4	15.96%	360,943.8	27.43%
e621	Leadership Awards	192	9,857.1	0.75%	9,873.7	0.75%	6,551.3	0.50%
e568	Research	9	303.6	0.02%	303.6	0.02%	3,867.3	0.29%
BBSRC Total		201	10,160.7	0.77%	10,177.3	0.77%	10,418.6	0.79%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2.8	0.00%
pr1u1551	DECI: EXEC	14	129.0	0.01%	129.0	0.01%	7,561.4	0.57%
pr1u1552	DECI: EXEC	81	2,631.3	0.20%	2,631.3	0.20%	2,975.8	0.23%
pr1u1553	DECI: EXEC	164	5,959.8	0.45%	5,959.8	0.45%	9,998.9	0.76%
pr1u1554	DECI: EXEC	273	555.0	0.04%	639.1	0.05%	590.2	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	0	0.0	0.00%	0.0	0.00%	547.4	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	66	23,001.9	1.75%	23,001.9	1.75%	1,622.5	0.12%
pr1u1507	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
PRACE Total		598	32,277.0	2.45%	32,361.1	2.46%	23,299.4	1.77%
ecse0910	eCSE	0	0.0	0.00%	0.0	0.00%	48.1	0.00%
eCSE Total		0	0.0	0.00%	0.0	0.00%	48.1	0.00%
d43	ECDF	29	555.2	0.04%	555.2	0.04%	204.2	0.02%
d56	Research	1,244	10,104.4	0.77%	10,136.2	0.77%	6,780.2	0.52%
d88	Research	2	0.2	0.00%	0.2	0.00%	0.6	0.00%
d114	Research	876	9,333.1	0.71%	9,370.6	0.71%	14,317.2	1.09%
d118	Research	181	89.9	0.01%	89.9	0.01%	452.0	0.03%
d137	Research	245	344.4	0.03%	344.4	0.03%	2,931.7	0.22%
d142	Research	46	0.2	0.00%	0.2	0.00%	734.5	0.06%
d143	Research	42	1,390.6	0.11%	1,390.6	0.11%	1,268.8	0.10%
d150	Research	0	0.0	0.00%	0.0	0.00%	1,446.2	0.11%
d155	Research	239	268.7	0.02%	268.7	0.02%	2,825.1	0.21%
d170	Research	5	0.0	0.00%	0.0	0.00%	0.8	0.00%
d153	Industrial	0	0.0	0.00%	0.0	0.00%	226.0	0.02%
i01	Industrial	1	126.2	0.01%	126.2	0.01%	621.5	0.05%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	1,531.3	0.12%
i21	Industrial	373	1,635.8	0.12%	1,514.8	0.12%	16,917.1	1.29%
x08	Industrial	0	0.0	0.00%	0.0	0.00%	1,701.4	0.13%
d171	Training	4	0.1	0.00%	0.1	0.00%	1,130.0	0.09%
d425	Service	0	0.0	0.00%	0.0	0.00%	1.7	0.00%
z99	Service	22	0.1	0.00%	0.1	0.00%	1.7	0.00%
DirectorsTime Total		3,309	23,848.9	1.81%	23,797.2	1.81%	53,092.0	4.03%
y14	Training	0	0.0	0.00%	0.0	0.00%	169.2	0.01%
y01	Service	0	0.0	0.00%	0.0	0.00%	17.0	0.00%
y02	Service	0	0.0	0.00%	0.0	0.00%	85.1	0.01%
y07	Service	0	0.0	0.00%	0.0	0.00%	63.4	0.00%
z02	Service	4	0.0	0.00%	0.0	0.00%	4.2	0.00%
z19	Service	155	20.7	0.00%	23.4	0.00%	2,422.6	0.18%
CSE Total		159	20.7	0.00%	23.4	0.00%	2,761.5	0.21%
Total		62,876	860,297.9	65.37%	1,002,686.0	76.19%	1,226,566.8	93.20%

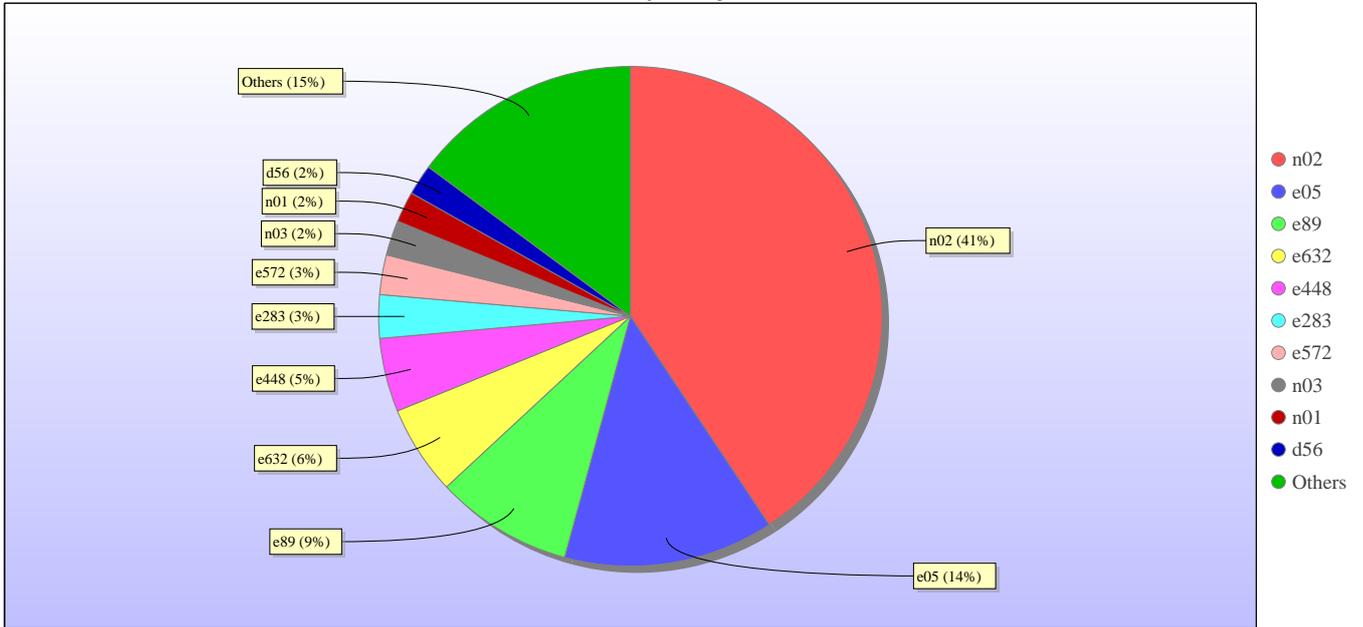
Use by Project



Uncharged Use by Project



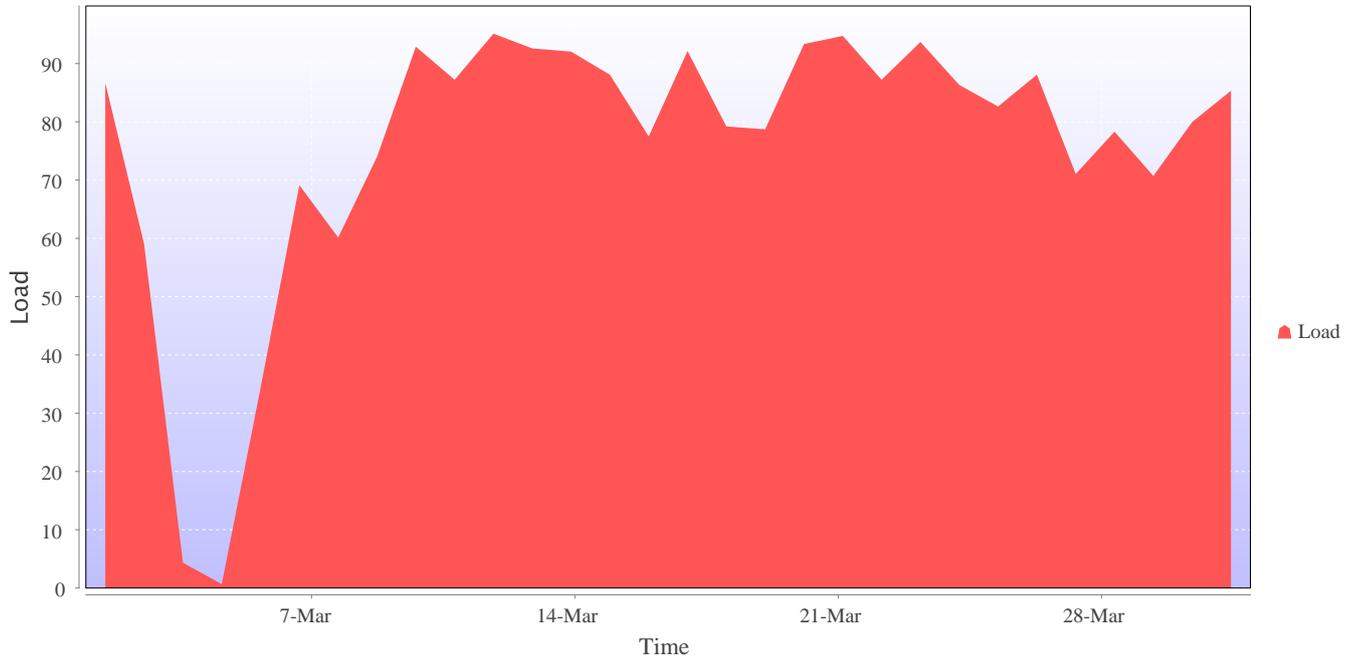
Jobs by Project



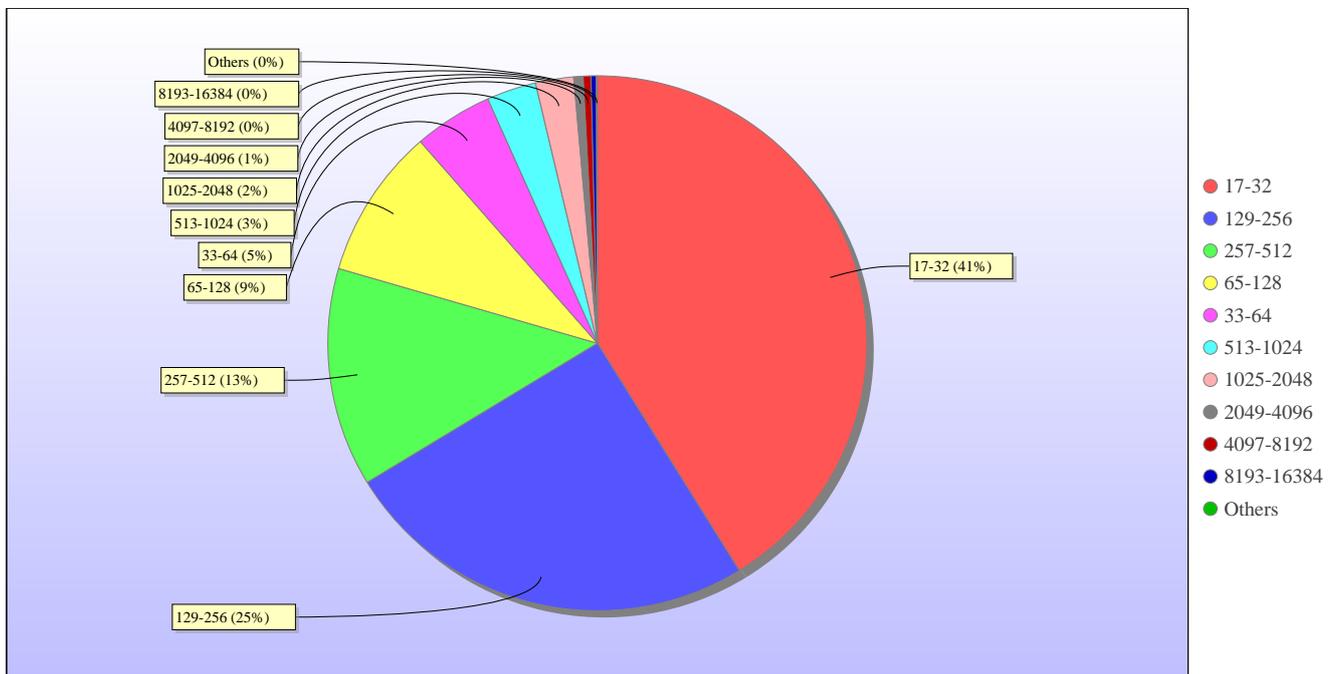
kAUs (by Size)

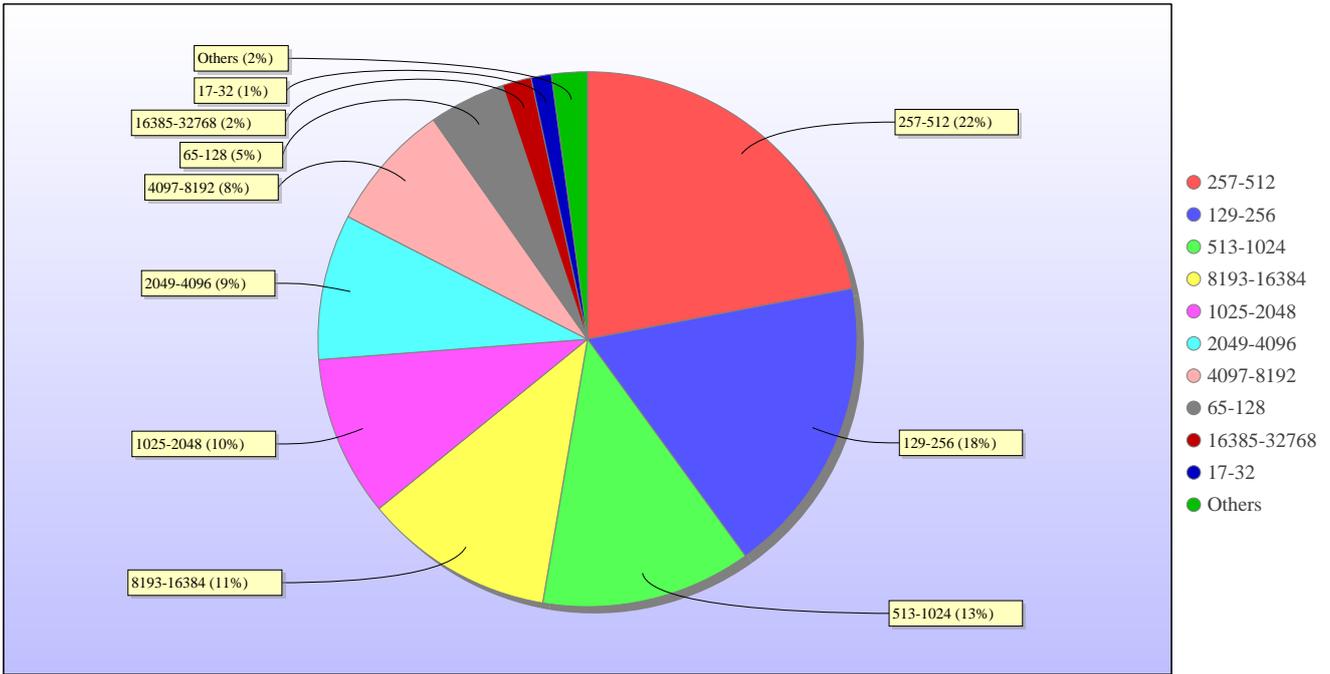
Size	kAUs	Number of Jobs
17-32	11,873.298	25,883
33-64	11,520.468	2,982
65-128	45,421.789	5,713
129-256	177,086.196	15,798
257-512	207,415.226	8,306
513-1024	108,450.305	1,869
1025-2048	83,555.738	1,437
2049-4096	73,821.485	356
4097-8192	50,890.445	291
8193-16384	57,088.024	198
16385-32768	17,344.419	20
32769-65536	8,156.211	13
65537-131072	1,159.708	4

Load plots

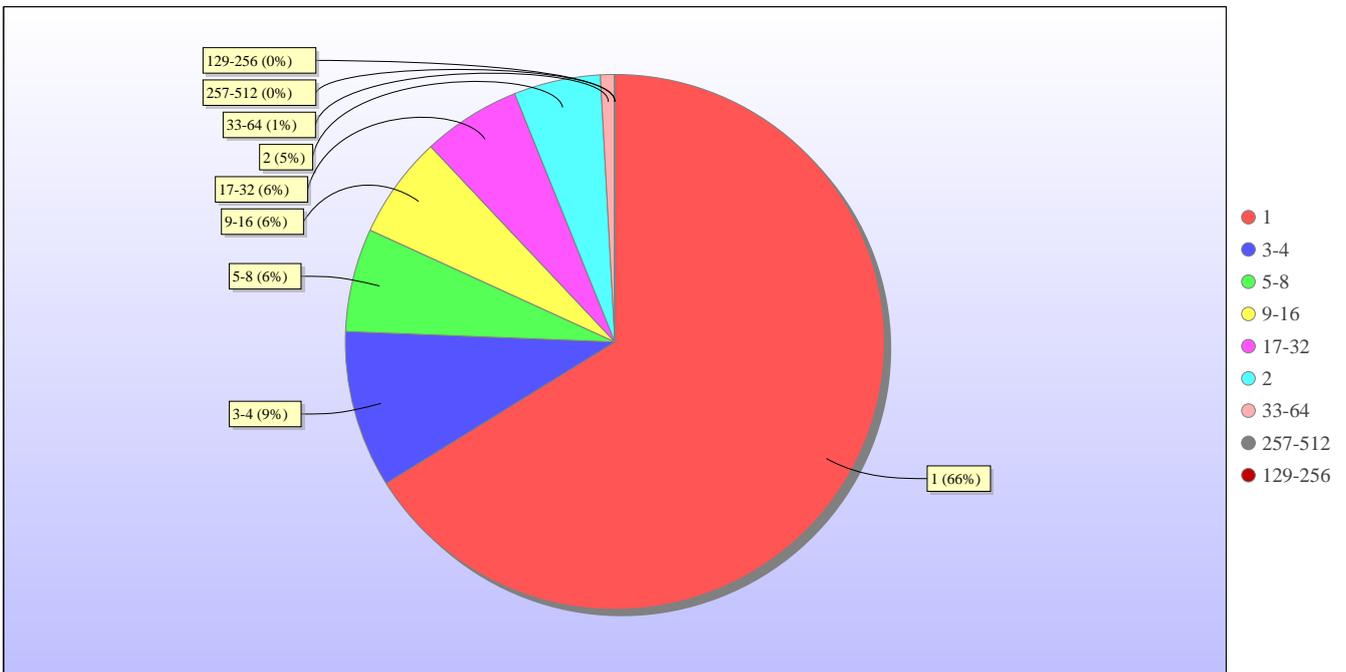


Percentage load on machine

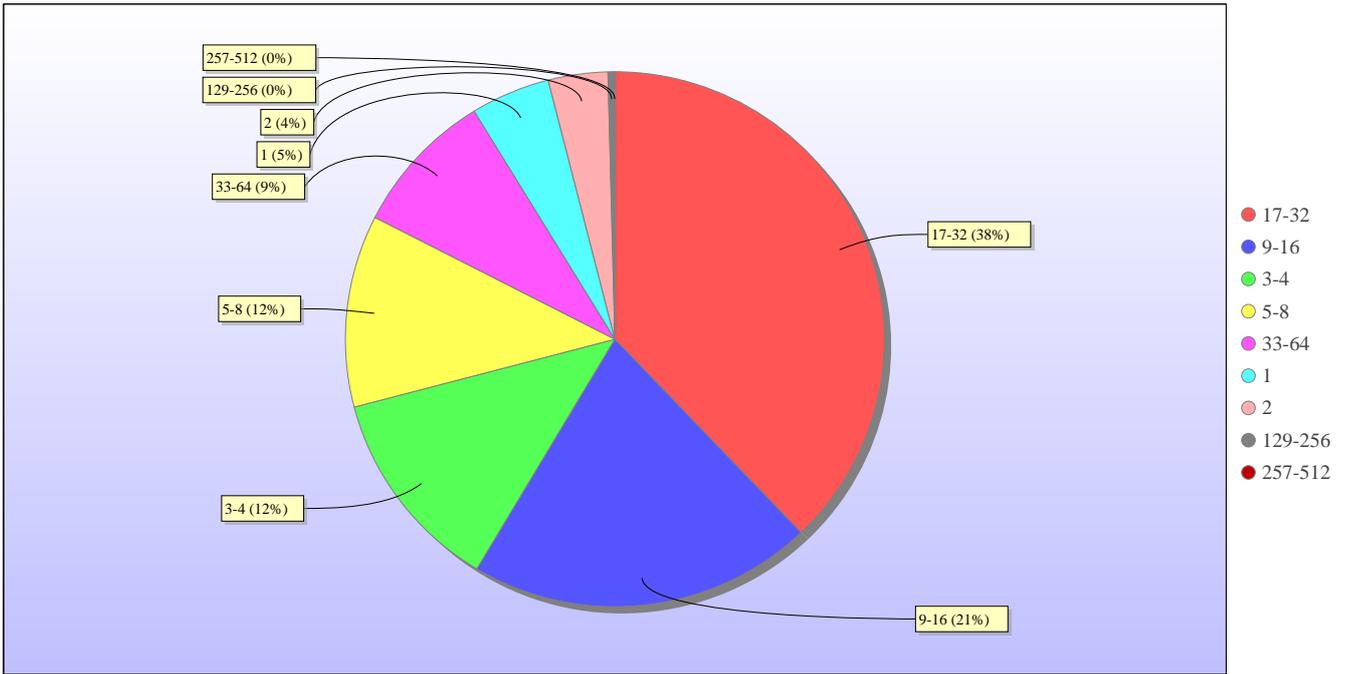




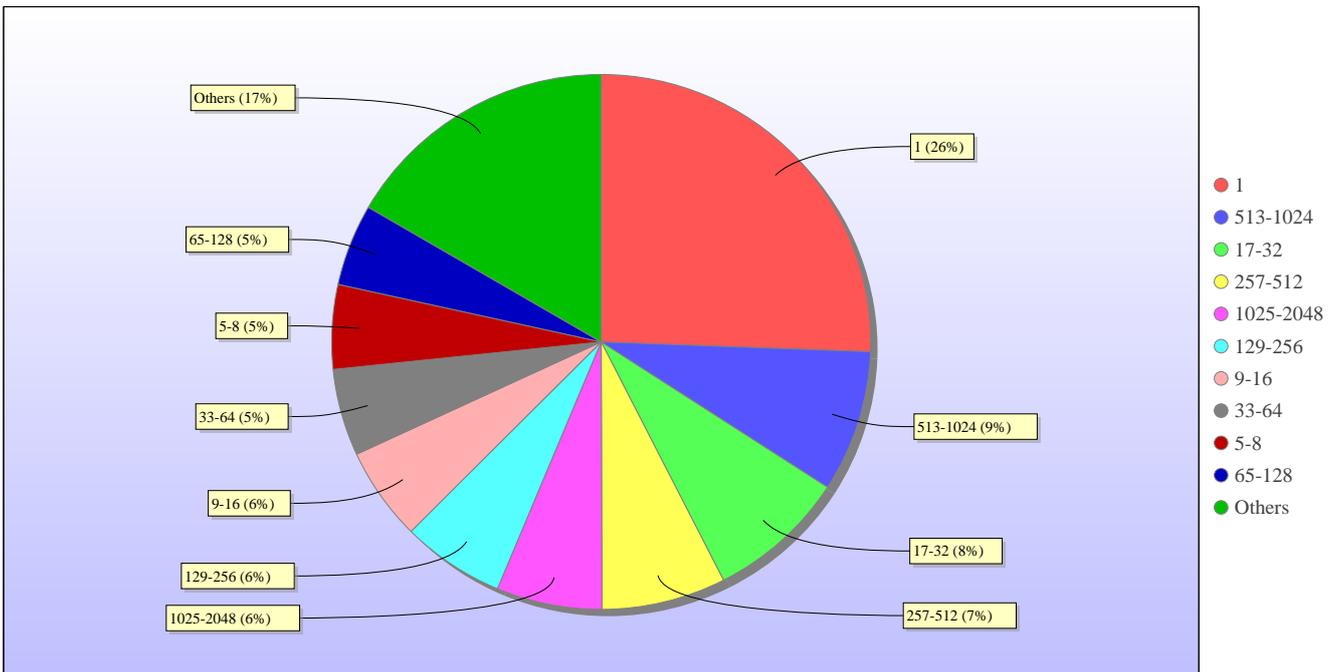
kAUs used by Size



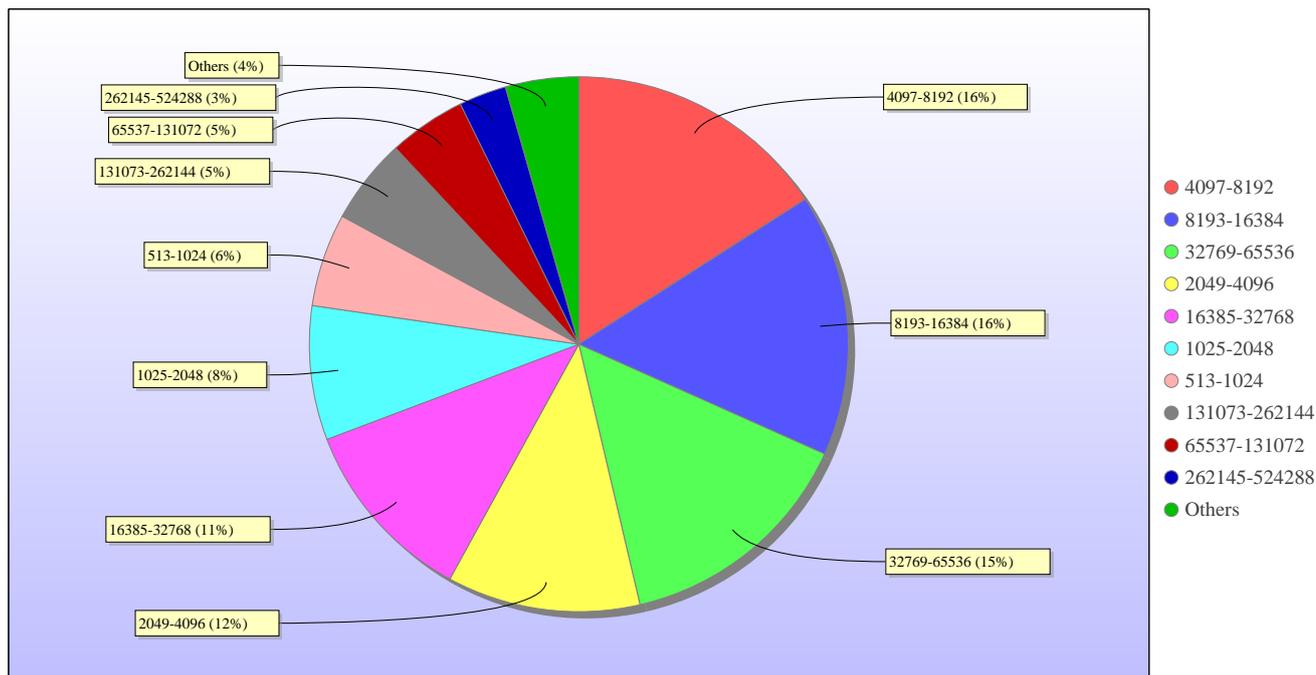
Jobs grouped by wall-clock-hours



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.

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 then the Use can be larger than the extrapolated Allocation.

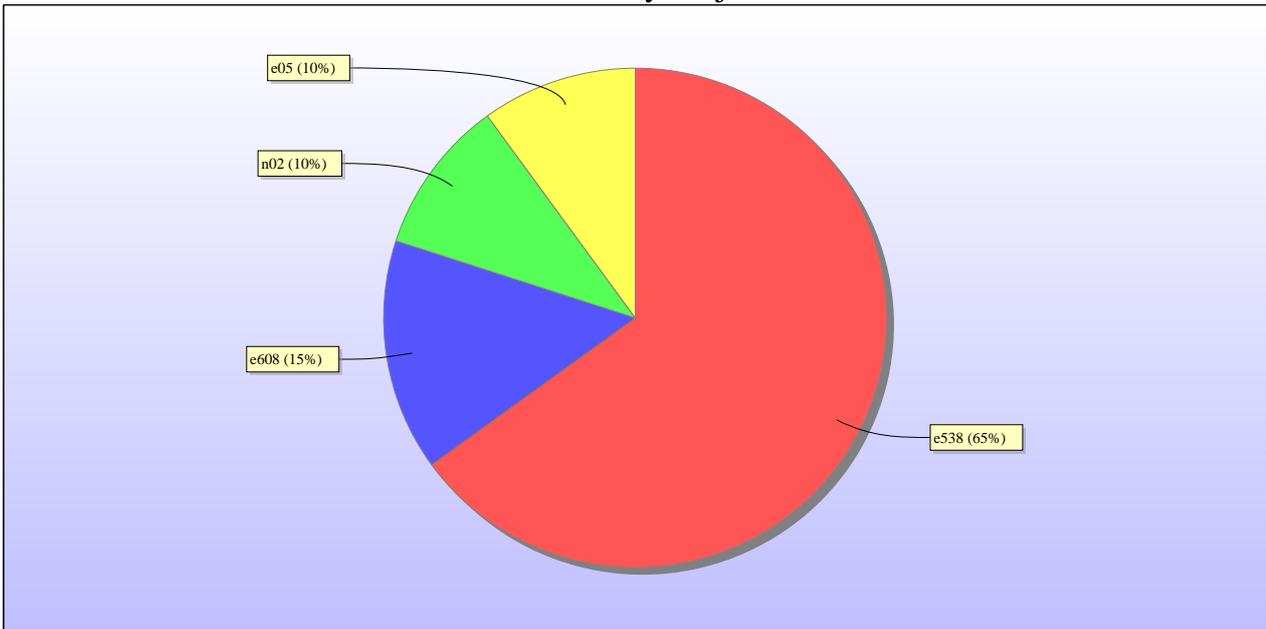
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e608	Class1a	3	0.0		0.0		0.0	
e05	Consortia	2	0.0		0.0		0.0	
e538	Training	13	0.0		0.0		0.0	
EPSRC Total		18	0.0		0.0		0.0	
n02	Consortia	2	0.0		0.0		0.0	
NERC Total		2	0.0		0.0		0.0	
Total		20	0.0	0	0.0	0	0.0	0

Use by Project



- e05
- n02
- e608
- e538

Jobs by Project

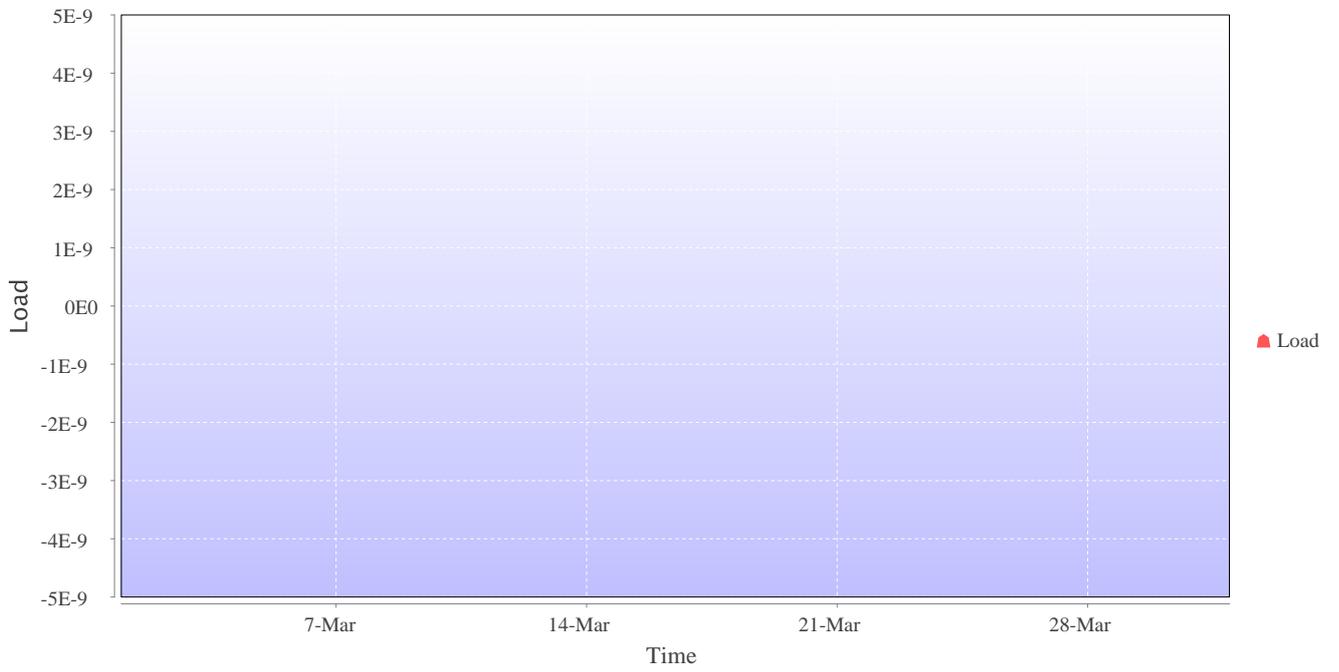


- e538
- e608
- n02
- e05

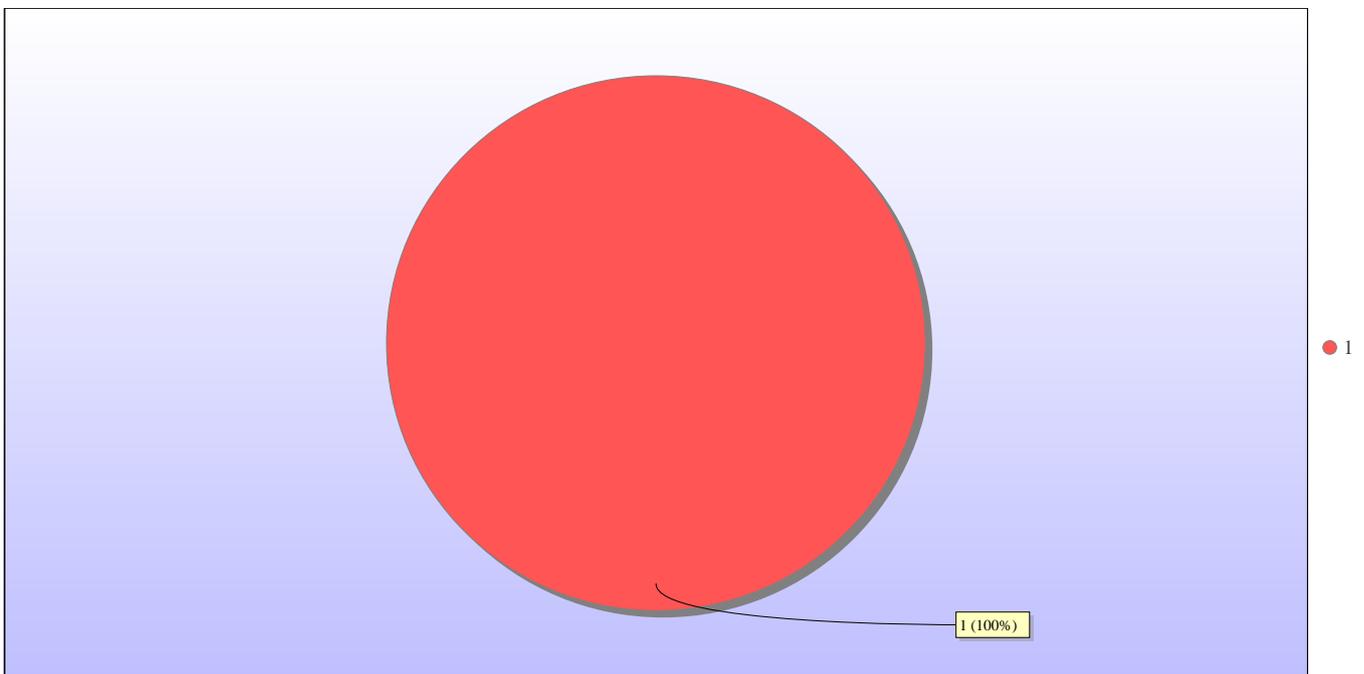
kAUs (by Size)

Size	kAUs	Number of Jobs
1	0	20

Load plots



Percentage load on machine

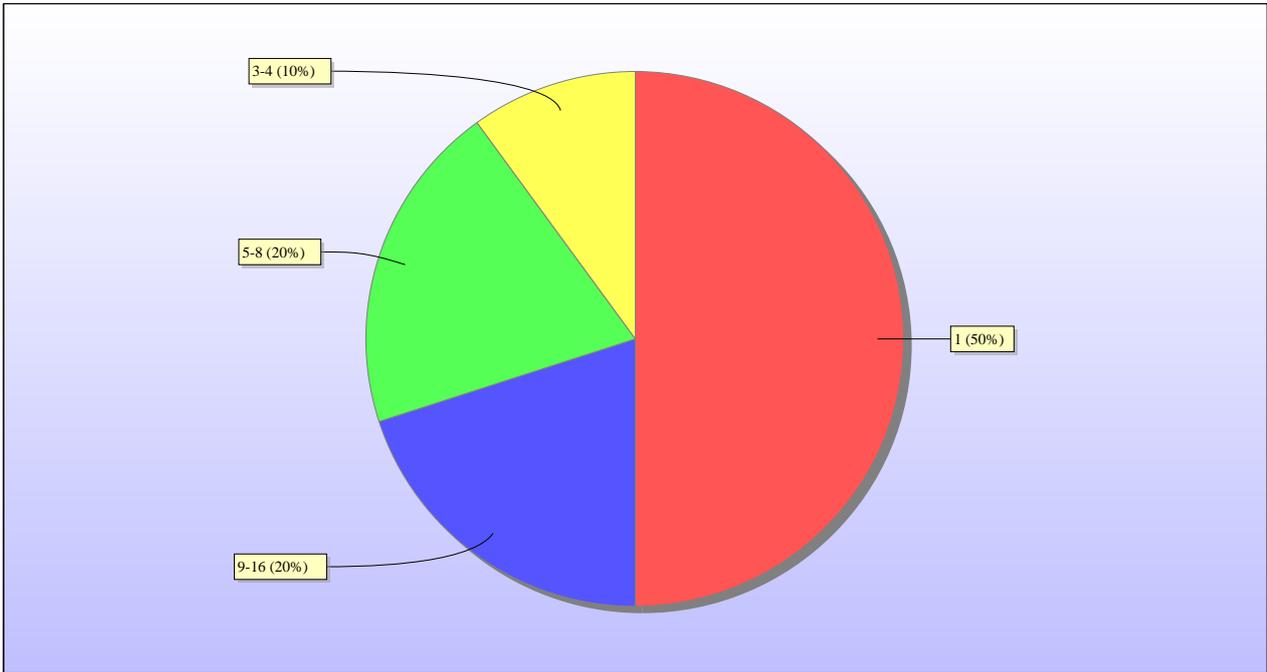


Jobs by Size



1

kAUs used by Size

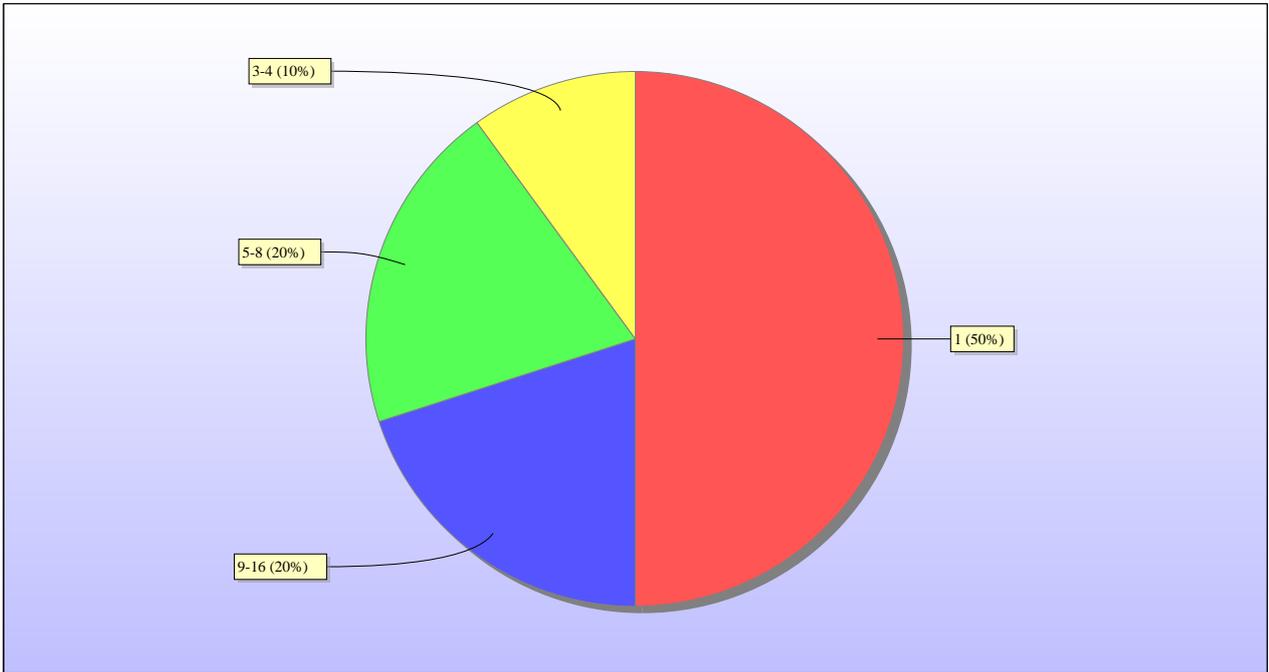


1
9-16
5-8
3-4

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 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.

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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.

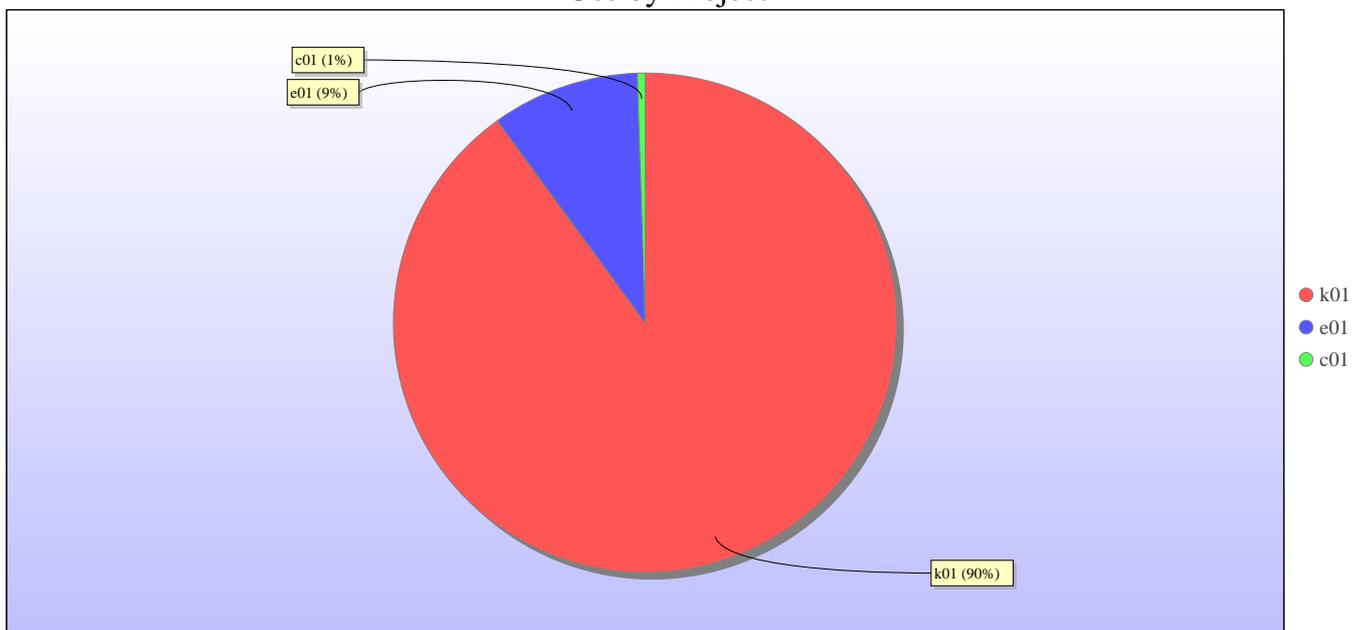
Use and Allocations (by Project)

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.

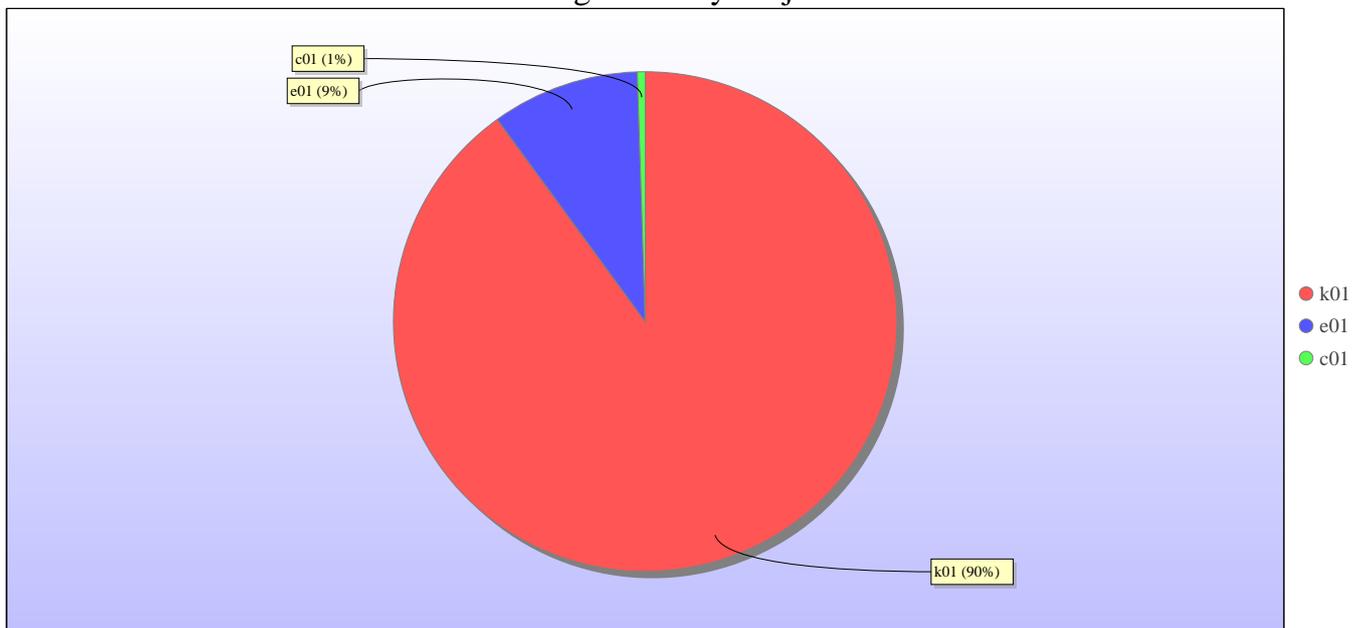
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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.

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c01	Class1a	4	0.0		8.7		0.0	
e01	Consortia	291	0.0		163.8		0.0	
k01	Service	99	0.0		1,553.9		0.0	
EPSRC Total		394	0.0		1,726.4		0.0	
Total		394	0.0	0	1,726.4	0	0.0	0

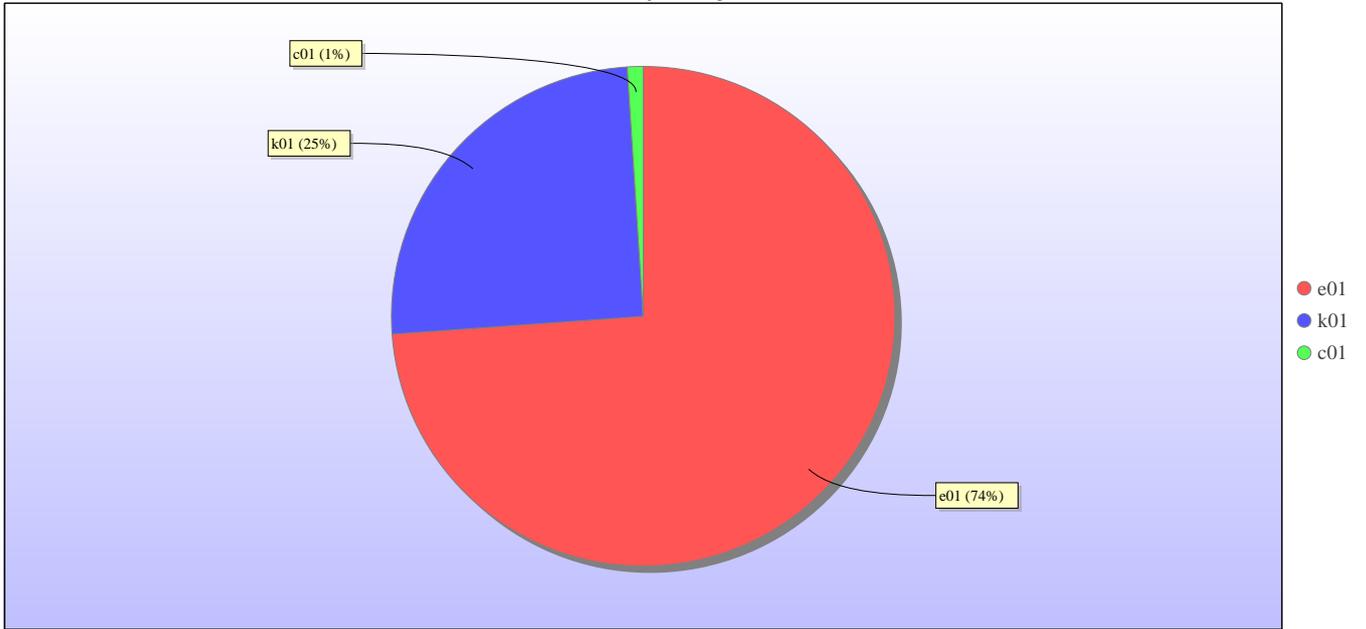
Use by Project



Uncharged Use by Project



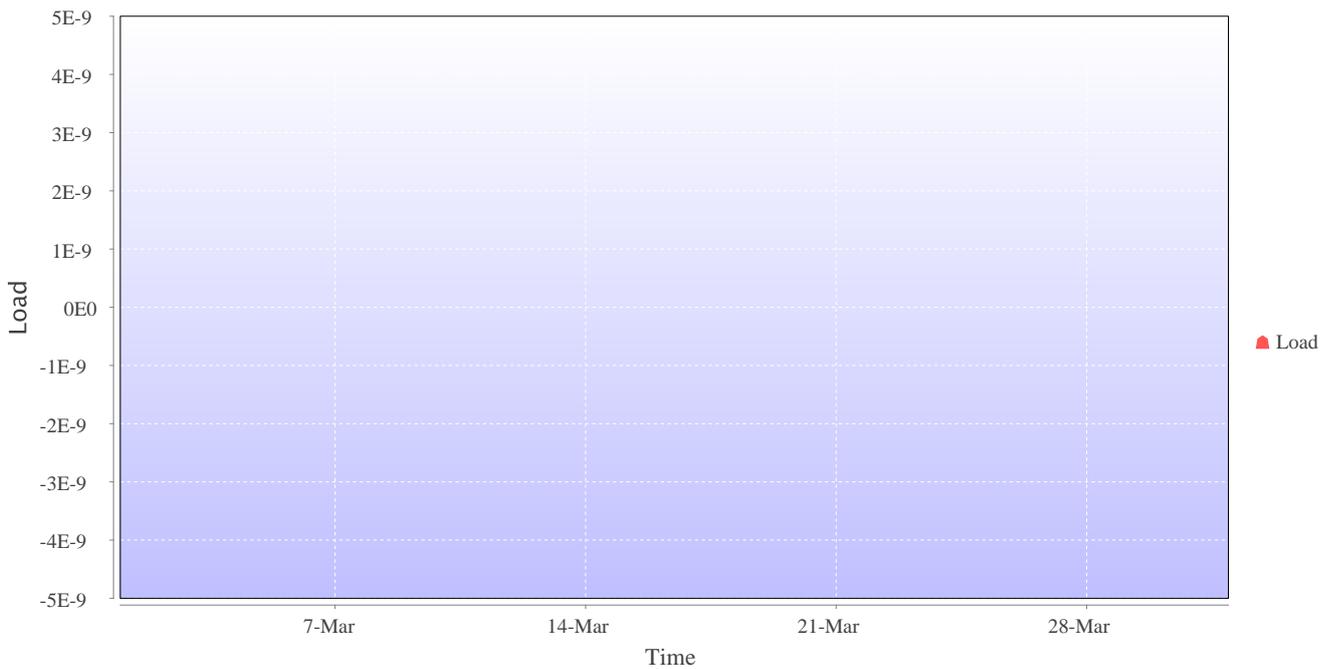
Jobs by Project



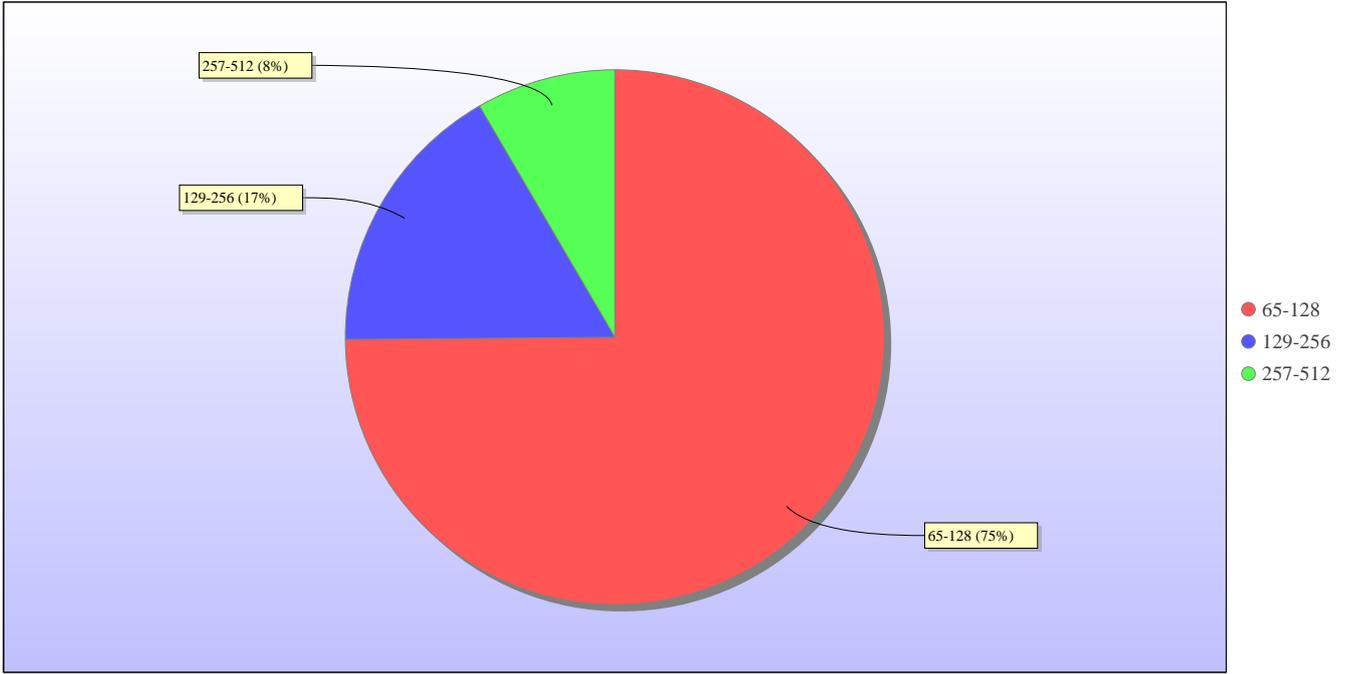
kAUs (by Size)

Size	kAUs	Number of Jobs
65-128	0	295
129-256	0	66
257-512	0	33

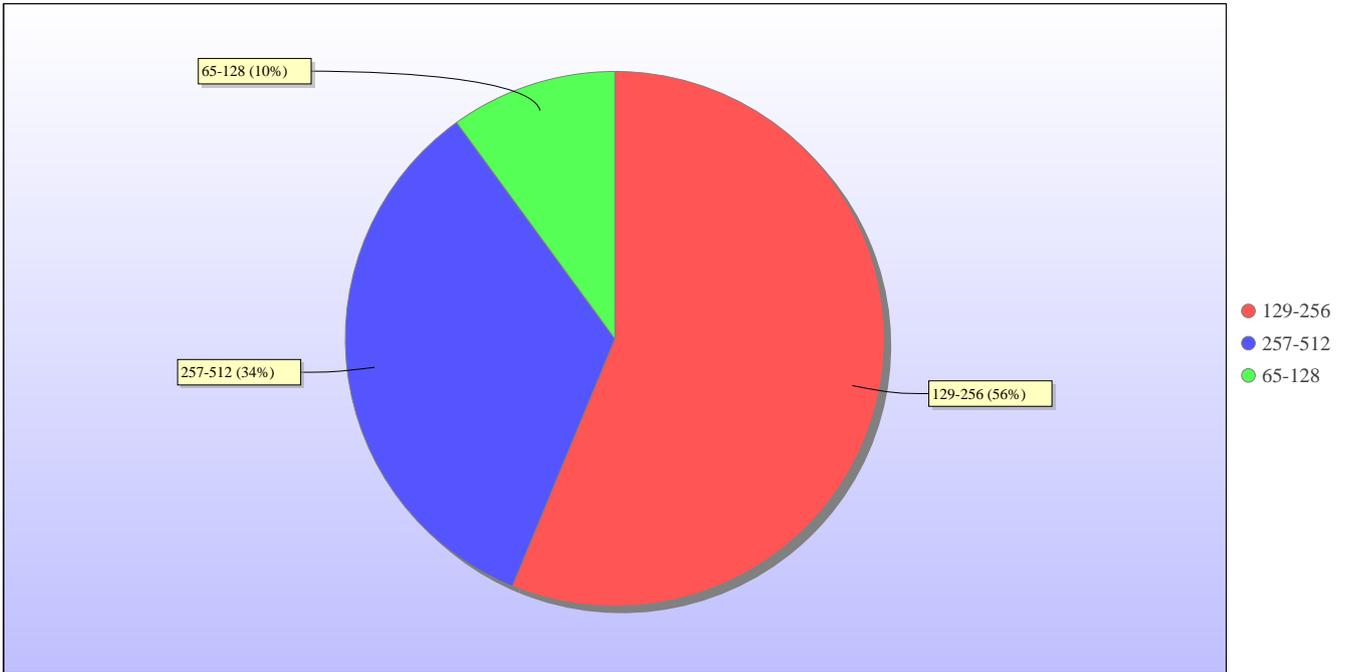
Load plots



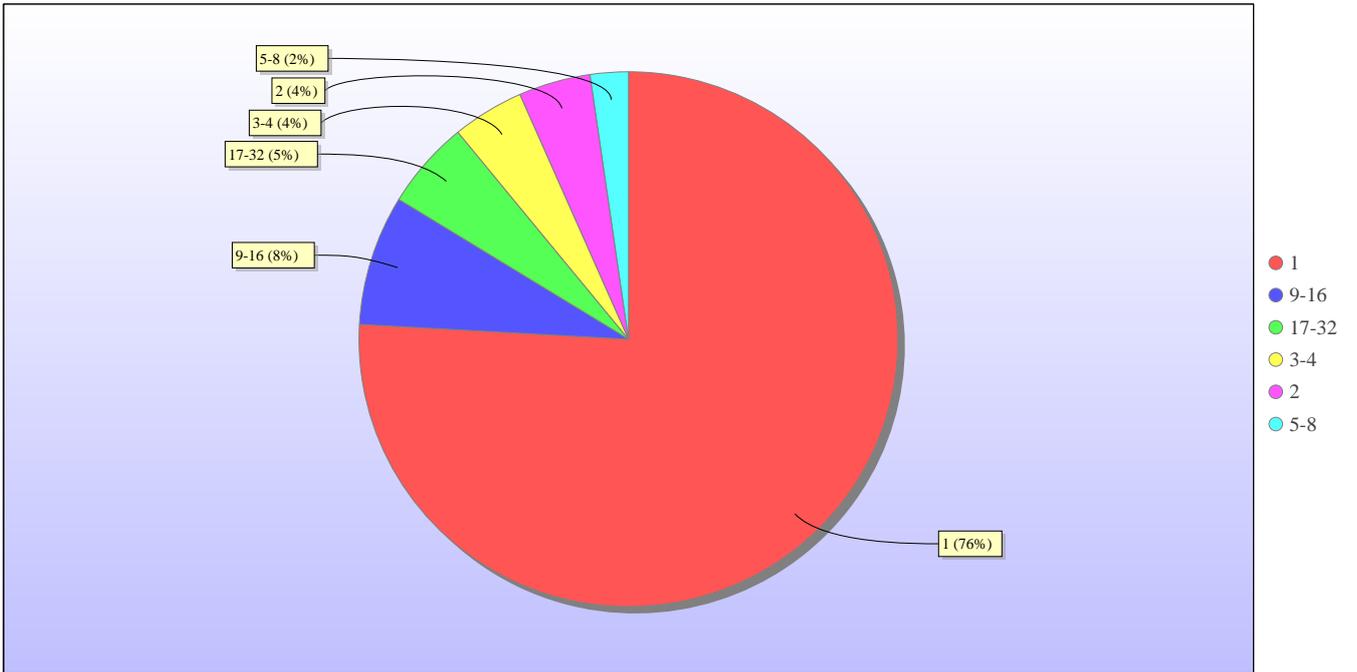
Percentage load on machine



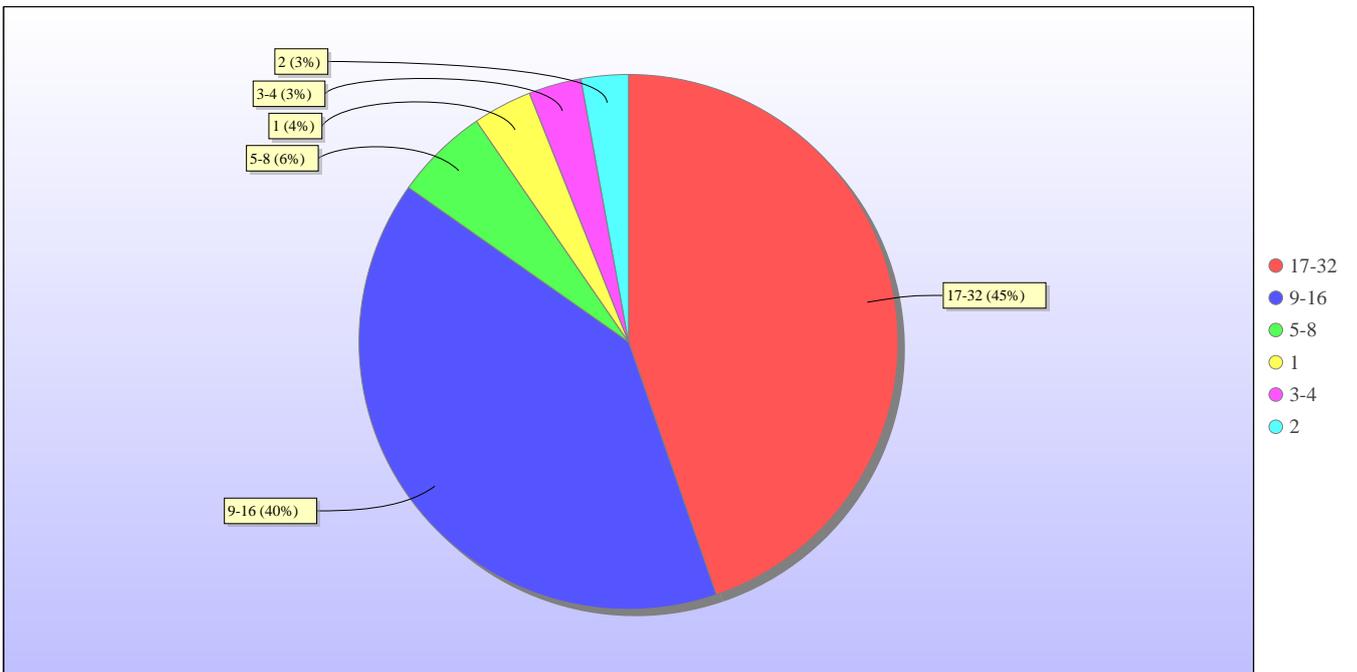
Jobs by Size



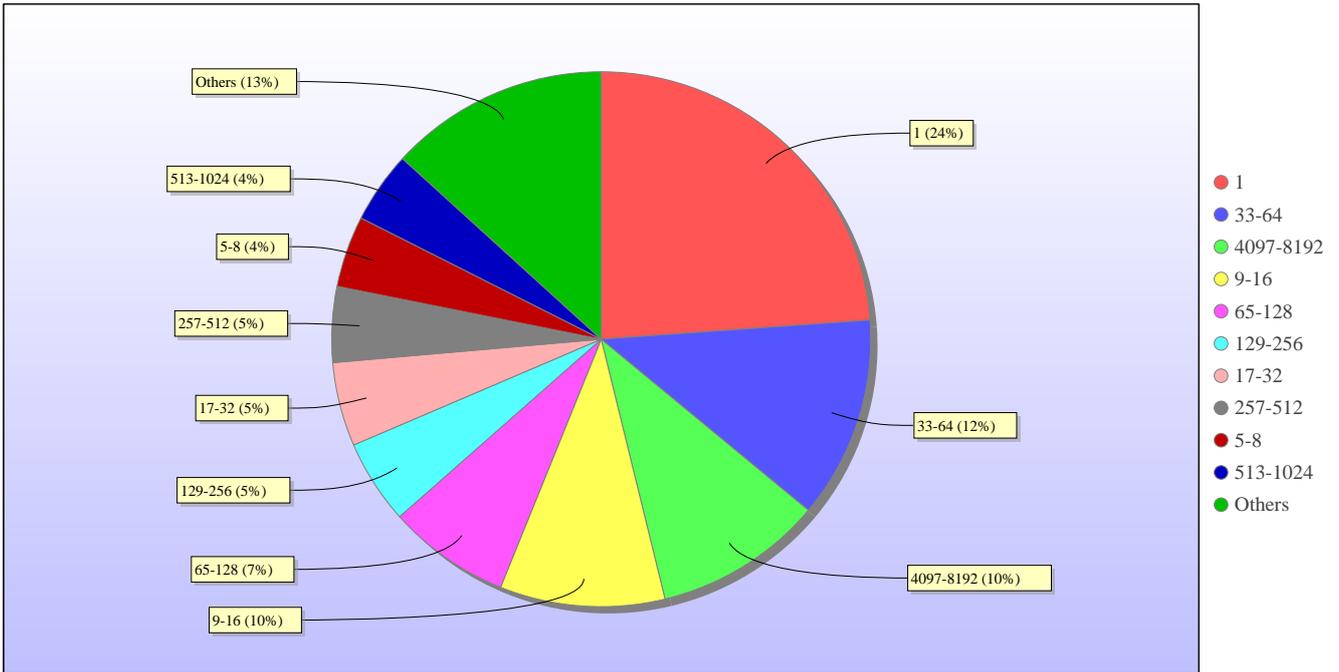
kAUs used by Size



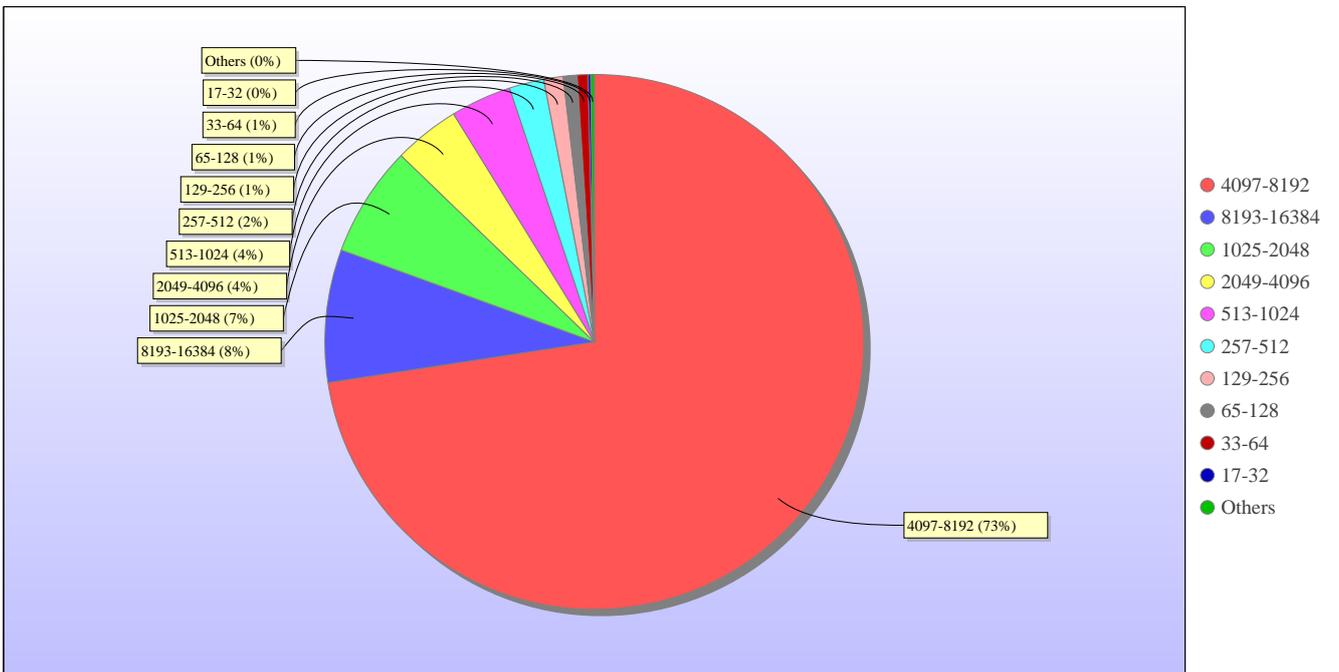
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

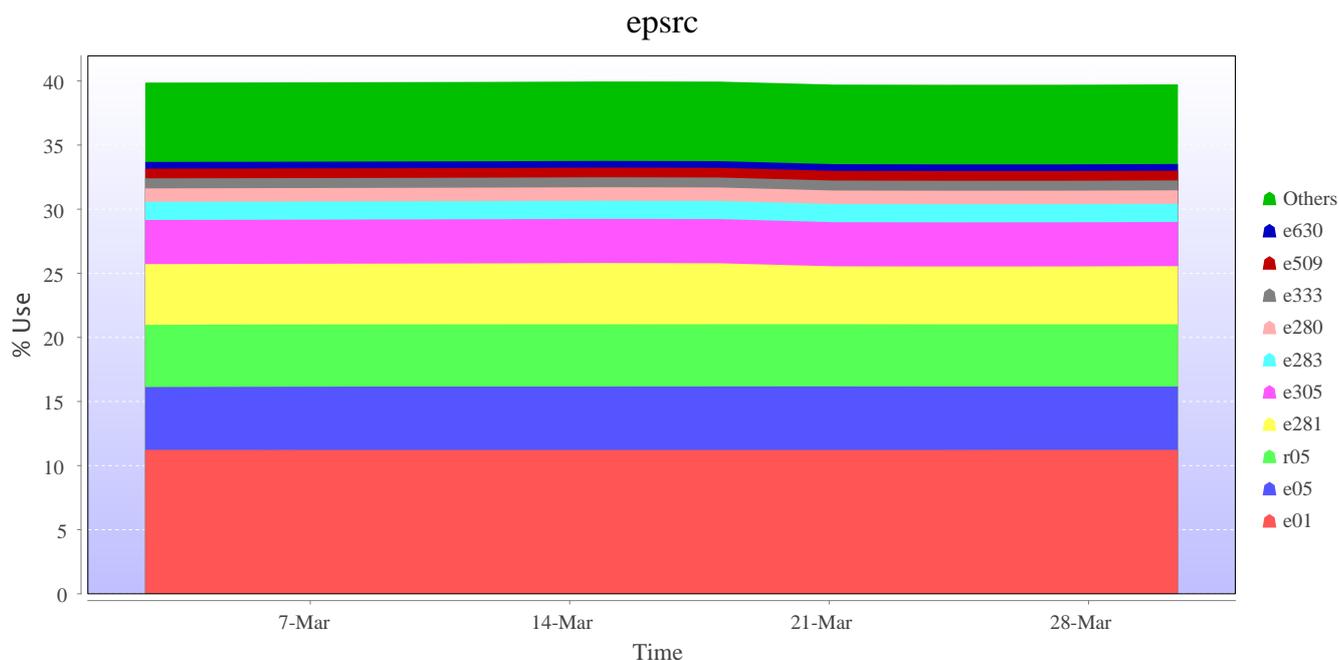


kAUs used grouped by core-hours

Disk usage

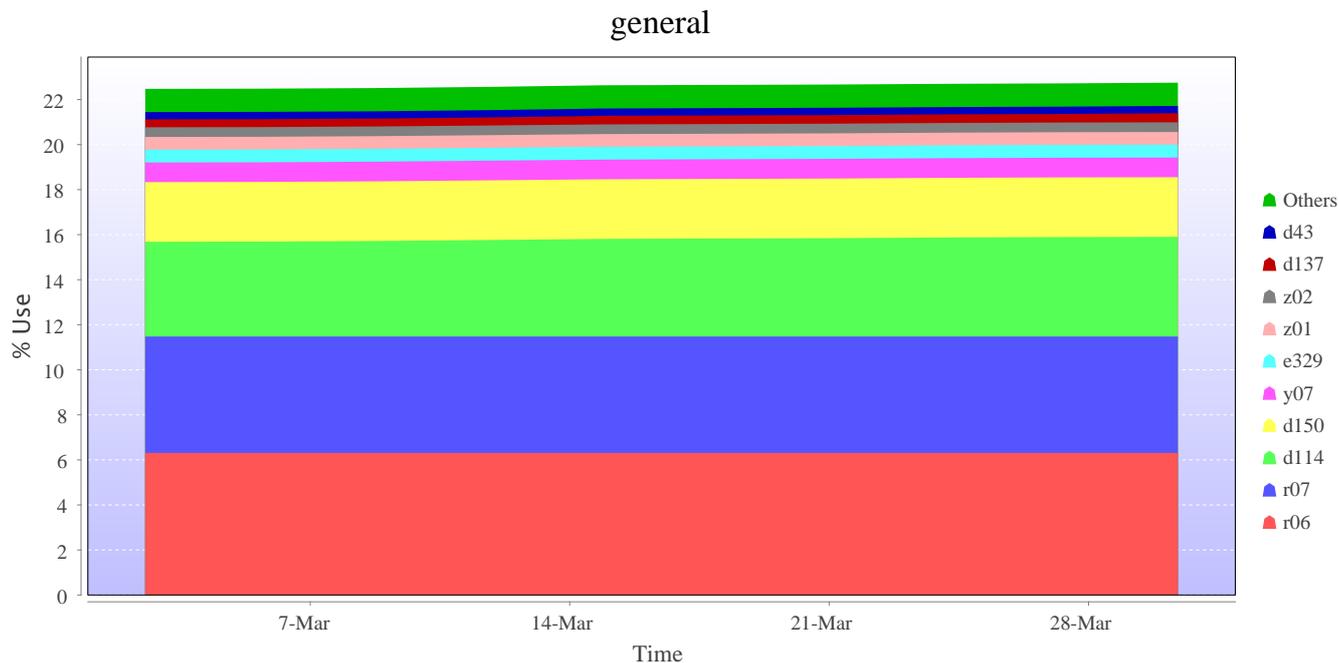
Disk usage for rdf (epsrc)

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.



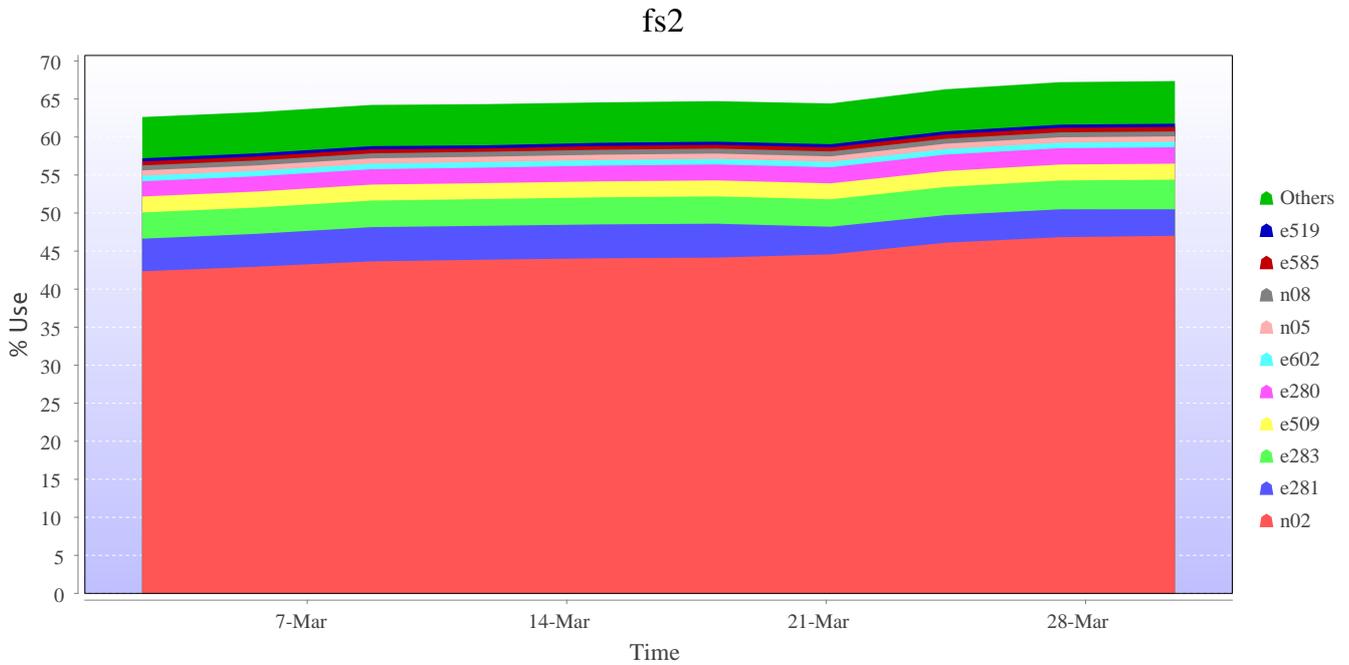
Disk usage for rdf (general)

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.



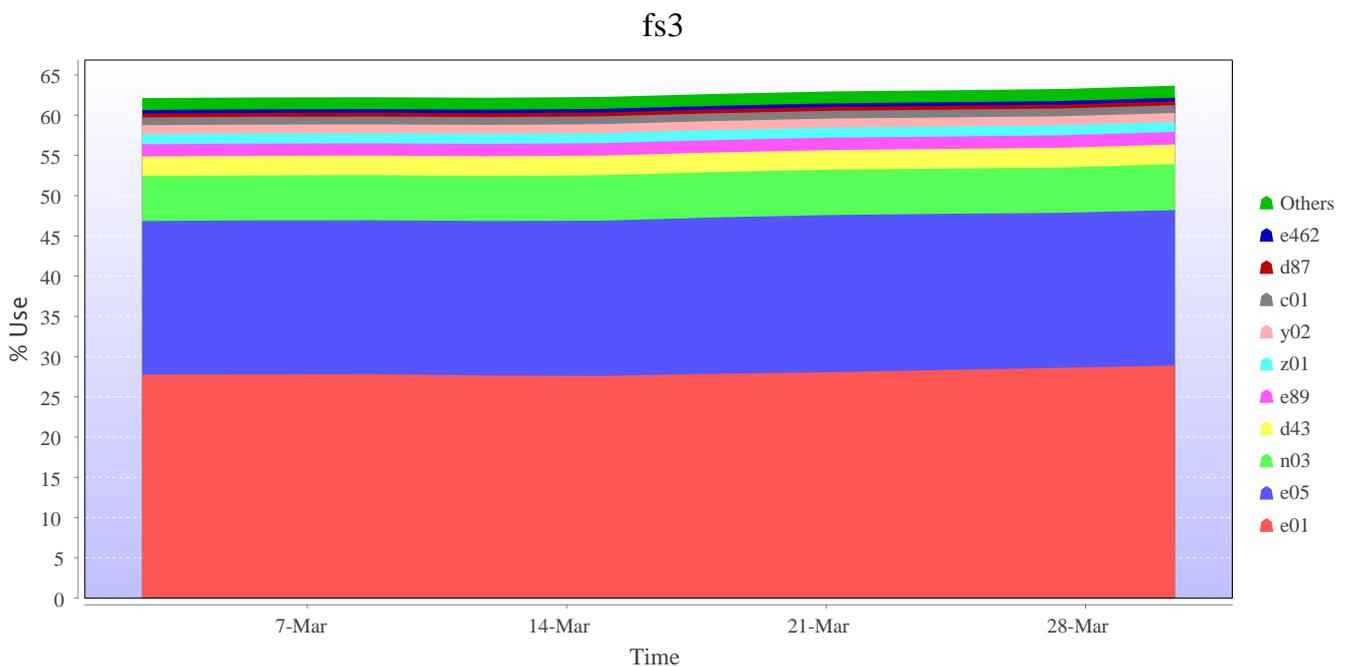
Disk usage for work (fs2)

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.



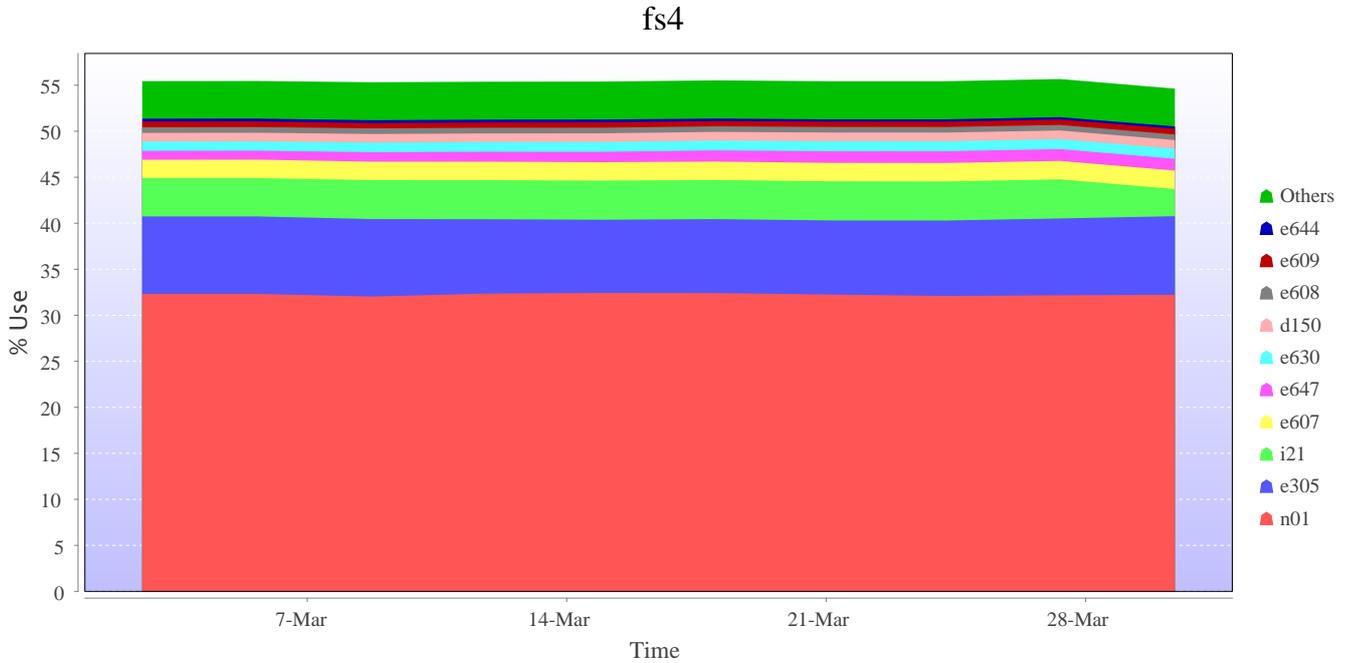
Disk usage for work (fs3)

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.



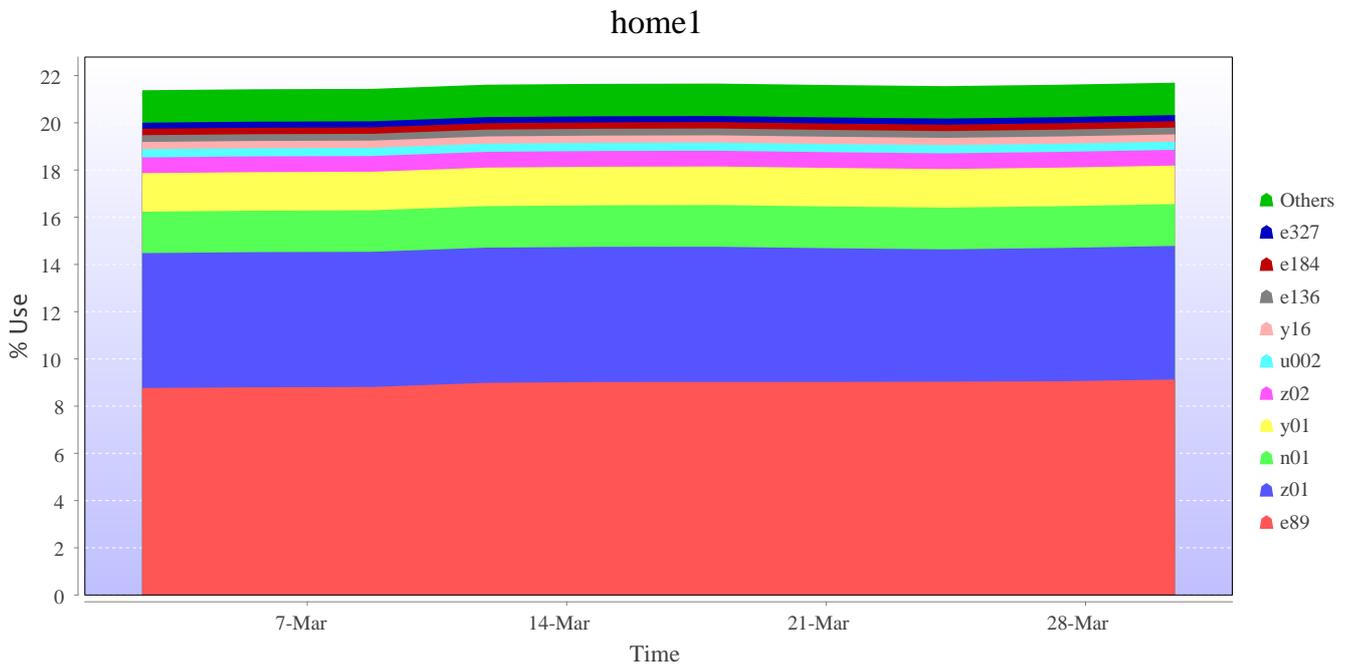
Disk usage for work (fs4)

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.



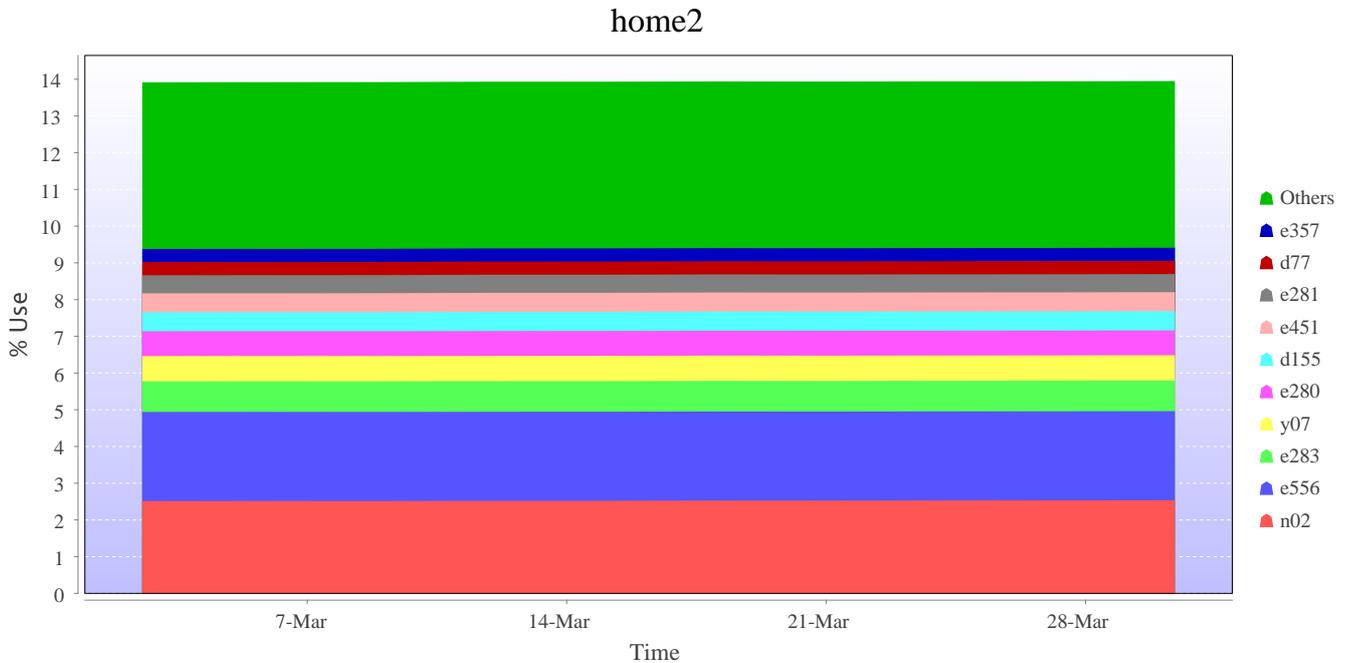
Disk usage for home (home1)

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.



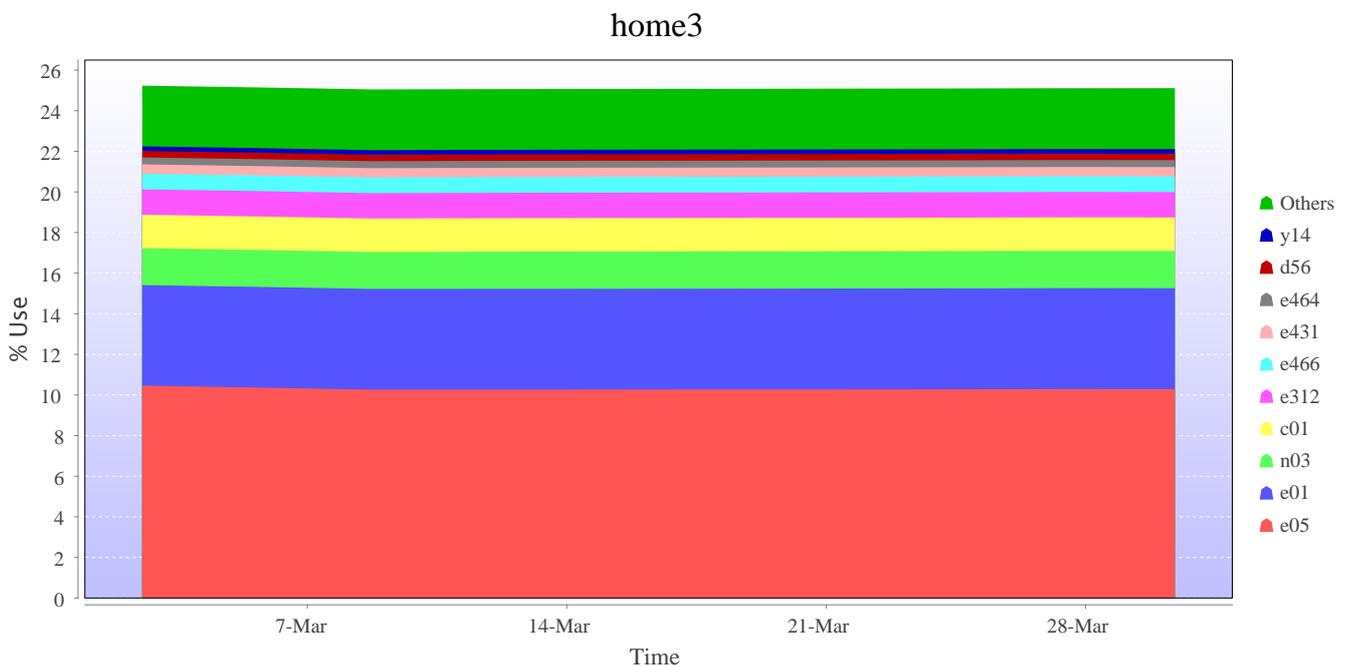
Disk usage for home (home2)

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.



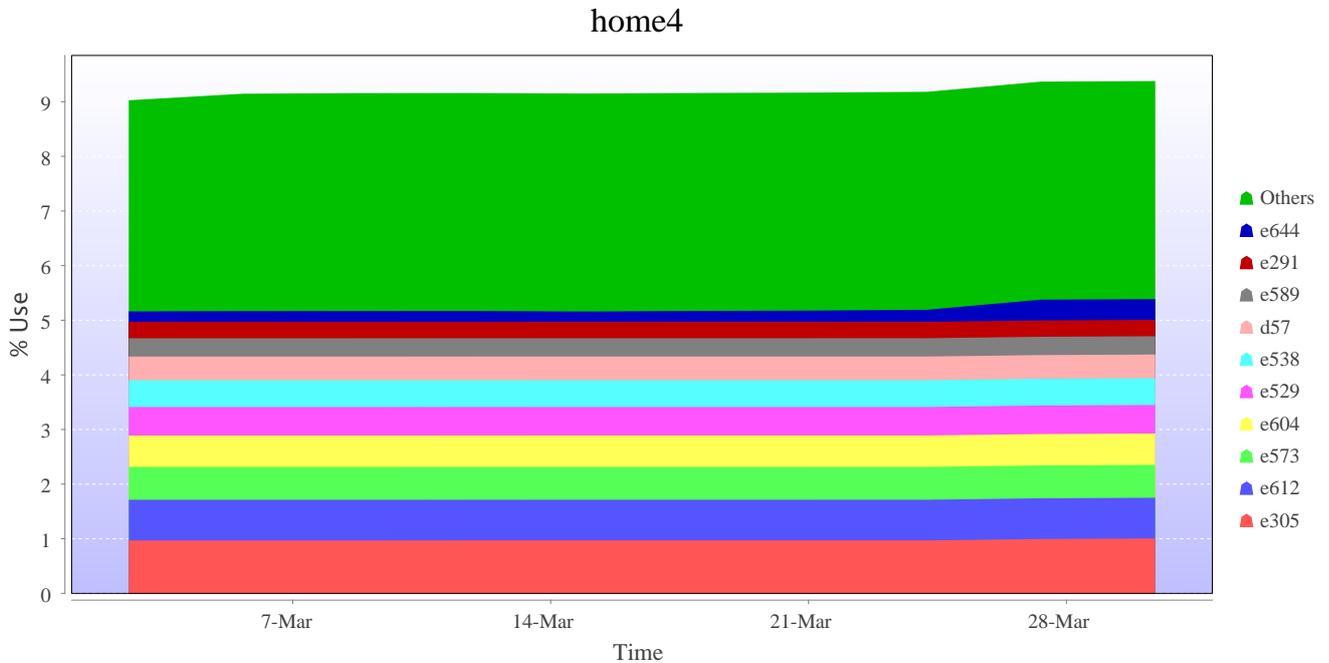
Disk usage for home (home3)

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.



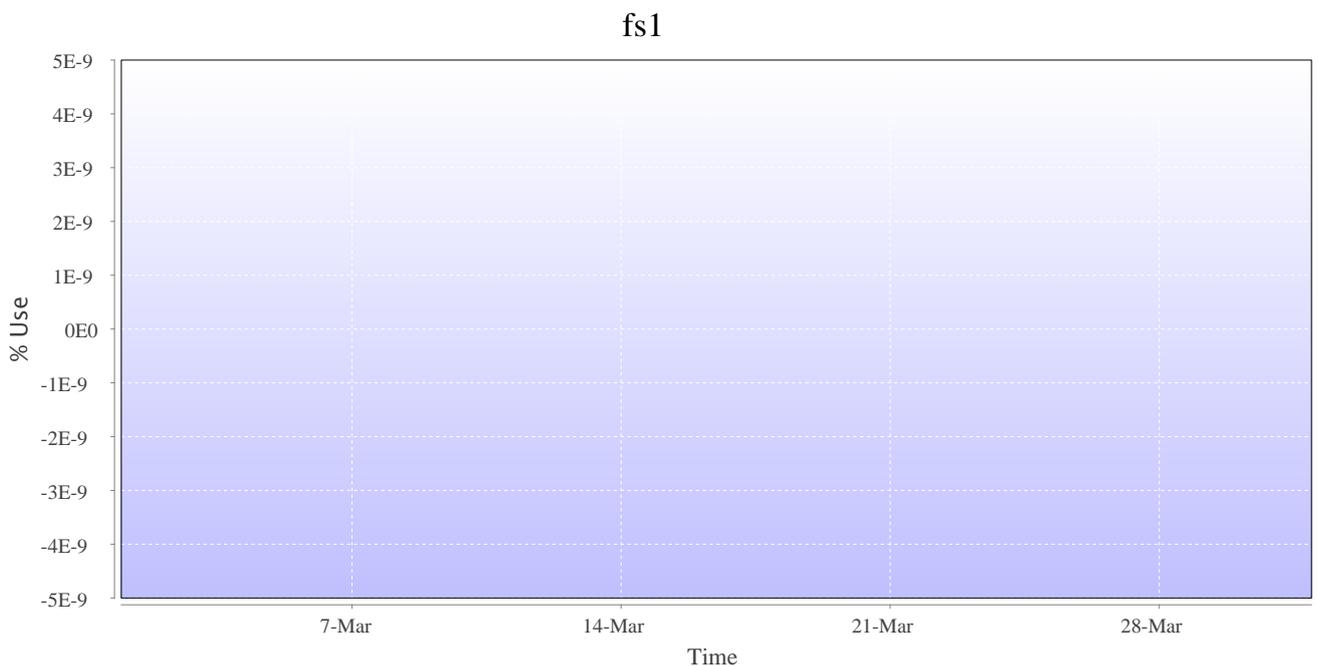
Disk usage for home (home4)

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.



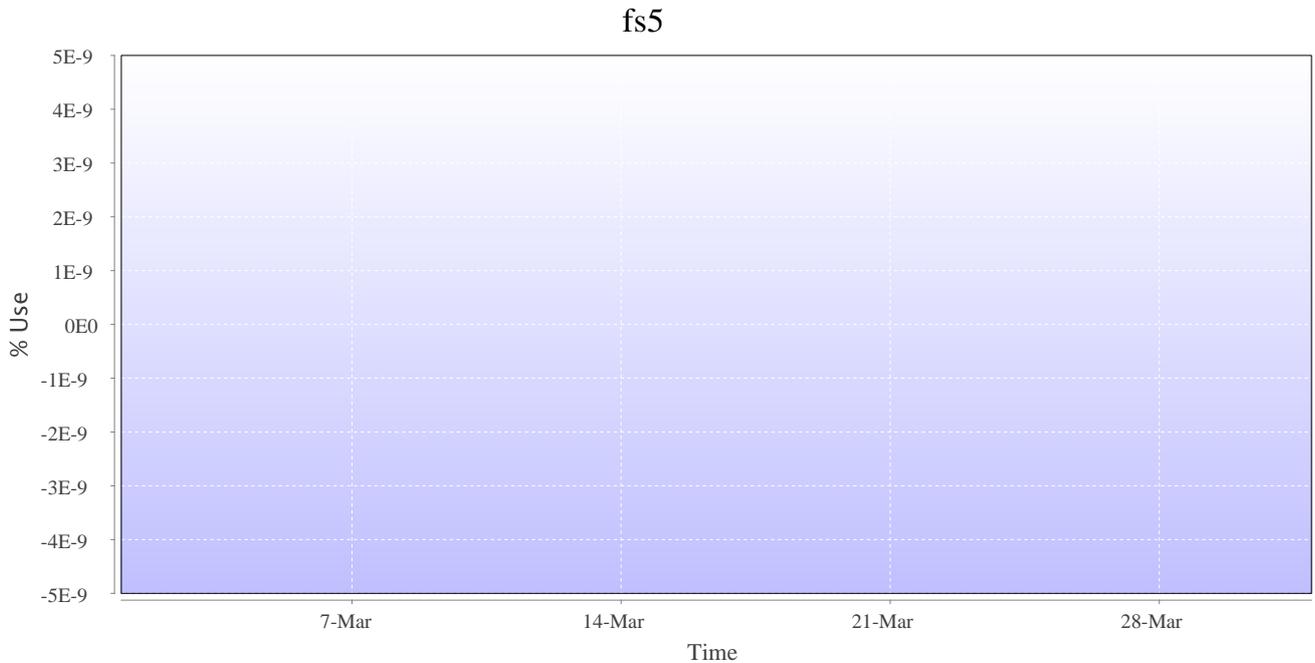
Disk usage for tdswork (fs1)

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.



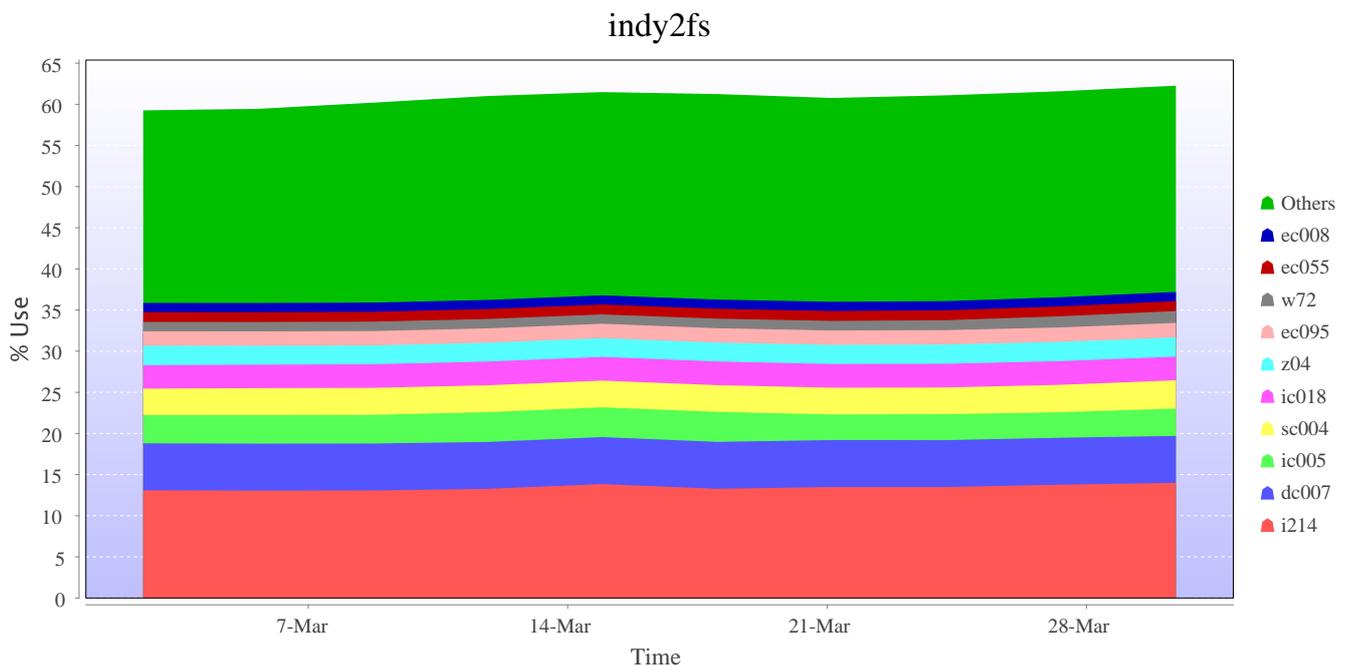
Disk usage for knlwork (fs5)

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.

