

Monthly Reporting

Report from 01 February 2020 to 29 February 2020

Report for Resource Pool XC on All machines

A total of 1,232,755.192 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.

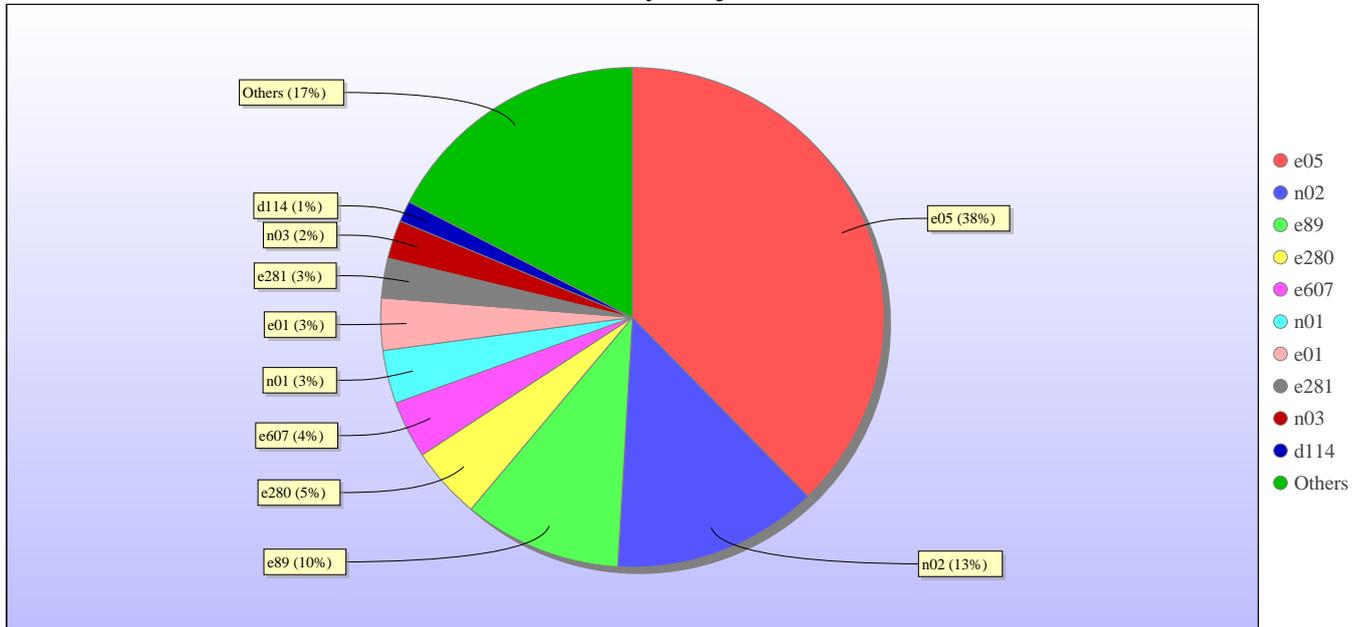
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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%	1,585.1	0.13%
c01	Class1a	695	7,185.2	0.58%	7,185.2	0.58%	12,474.0	1.01%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	8,066.2	0.65%
e432	Class1a	328	6,555.6	0.53%	6,555.6	0.53%	6,818.6	0.55%
e448	Class1a	409	3,043.8	0.25%	3,048.2	0.25%	23,673.7	1.92%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e519	Class1a	5	2,878.2	0.23%	2,878.2	0.23%	4,401.8	0.36%
e527	Class1a	0	0.0	0.00%	0.0	0.00%	358.6	0.03%
e530	Class1a	0	0.0	0.00%	0.0	0.00%	1,057.0	0.09%
e537	Class1a	131	3,616.2	0.29%	3,616.2	0.29%	1,775.5	0.14%
e558	Class1a	0	0.0	0.00%	0.0	0.00%	516.0	0.04%
e569	Class1a	123	7,665.2	0.62%	7,665.2	0.62%	1,849.8	0.15%
e572	Class1a	279	1,961.8	0.16%	1,961.8	0.16%	3,030.5	0.25%
e575	Class1a	85	2,332.4	0.19%	2,365.5	0.19%	2,708.2	0.22%
e580	Class1a	0	0.0	0.00%	0.0	0.00%	398.2	0.03%
e584	Class1a	0	0.0	0.00%	0.0	0.00%	2,590.9	0.21%
e588	Class1a	12	775.3	0.06%	775.3	0.06%	2,853.1	0.23%
e606	Class1a	242	9,874.9	0.80%	9,874.9	0.80%	6,838.6	0.55%
e607	Class1a	519	41,347.2	3.35%	42,136.5	3.42%	11,092.9	0.90%
e608	Class1a	24	5,601.2	0.45%	9,018.5	0.73%	3,170.1	0.26%
e609	Class1a	56	0.6	0.00%	0.6	0.00%	8,082.0	0.66%
e610	Class1a	36	5,172.6	0.42%	5,172.6	0.42%	6,128.0	0.50%
e613	Class1a	22	45.5	0.00%	45.5	0.00%	634.0	0.05%
e627	Class1a	162	712.5	0.06%	712.5	0.06%	7,010.2	0.57%
e630	Class1a	37	8,814.7	0.72%	8,814.7	0.72%	4,350.0	0.35%
e637	Class1a	21	555.2	0.05%	555.2	0.05%	2,377.6	0.19%
e642	Class1a	1	276.8	0.02%	276.8	0.02%	6,935.8	0.56%
e643	Class1a	1	13.3	0.00%	13.3	0.00%	6,853.2	0.56%
e645	Class1a	27	768.6	0.06%	768.6	0.06%	3,815.5	0.31%
e647	Class1a	486	4,251.4	0.34%	4,107.4	0.33%	5,021.2	0.41%
e648	Class1a	0	0.0	0.00%	0.0	0.00%	4,590.1	0.37%
e649	Class1a	0	0.0	0.00%	0.0	0.00%	2,377.0	0.19%
e651	Class1a	93	1,092.7	0.09%	1,092.7	0.09%	1,927.8	0.16%
e655	Class1a	4	692.4	0.06%	692.4	0.06%	401.6	0.03%
e01	Consortia	479	35,469.6	2.88%	38,187.0	3.10%	68,186.3	5.53%
e05	Consortia	10,976	381,861.5	30.98%	427,526.4	34.68%	218,890.3	17.76%
e89	Consortia	5,322	108,892.2	8.83%	114,975.7	9.33%	112,792.5	9.15%
e280	Consortia	622	52,366.6	4.25%	52,704.6	4.28%	54,183.6	4.40%
e281	Consortia	513	28,679.9	2.33%	29,140.0	2.36%	23,242.2	1.89%
e283	Consortia	938	10,126.3	0.82%	10,126.3	0.82%	17,705.0	1.44%
e305	Consortia	503	7,622.3	0.62%	7,622.3	0.62%	38,418.0	3.12%

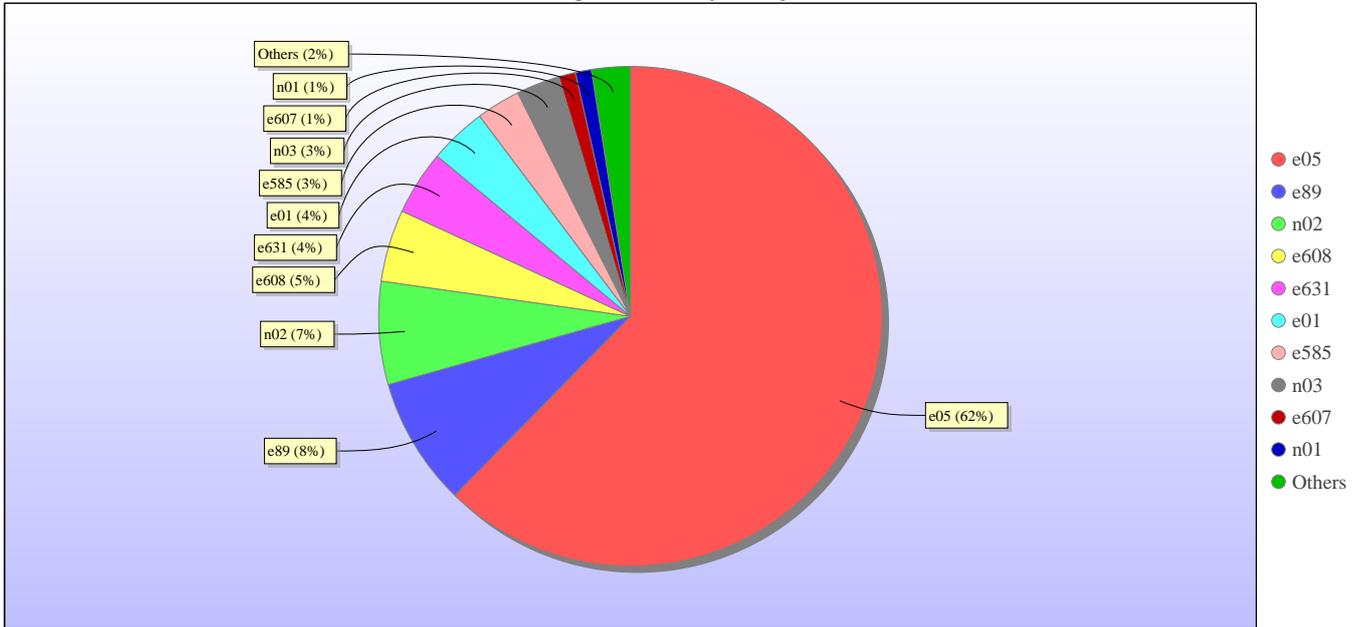
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e585	Consortia	375	12,697.3	1.03%	14,776.3	1.20%	27,732.2	2.25%
e348	Direct Access: ARCHER RAP	312	5,809.8	0.47%	5,903.0	0.48%	6,405.2	0.52%
e582	Direct Access: ARCHER RAP	77	2,865.8	0.23%	2,865.8	0.23%	509.3	0.04%
e616	Direct Access: ARCHER RAP	114	2,348.4	0.19%	2,348.4	0.19%	658.1	0.05%
e622	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	436.3	0.04%
e639	Direct Access: ARCHER RAP	27	9,630.0	0.78%	9,630.0	0.78%	759.8	0.06%
e632	Instant Access	2,292	220.3	0.02%	220.3	0.02%	103.0	0.01%
e646	Instant Access	0	0.0	0.00%	0.0	0.00%	189.1	0.02%
e650	Instant Access	6	79.7	0.01%	109.4	0.01%	127.0	0.01%
e652	Instant Access	0	0.0	0.00%	0.0	0.00%	191.3	0.02%
e653	Instant Access	0	0.0	0.00%	0.0	0.00%	127.5	0.01%
e656	Instant Access	32	1,180.6	0.10%	1,180.6	0.10%	125.3	0.01%
ecse1321	eCSE	0	0.0	0.00%	0.0	0.00%	26.7	0.00%
e612	Training	41	48.4	0.00%	63.6	0.01%	1,790.3	0.15%
e631	Training	25	5.9	0.00%	3,057.2	0.25%	1,899.6	0.15%
e644	Training	310	1,940.1	0.16%	2,355.4	0.19%	2,139.2	0.17%
e654	Training	28	693.6	0.06%	723.1	0.06%	2,597.0	0.21%
EPSRC Total		26,790	777,771.8	63.09%	842,848.9	68.37%	734,997.6	59.62%
n01	Consortia	2,361	38,833.1	3.15%	38,962.0	3.16%	113,288.3	9.19%
n02	Consortia	25,671	144,914.4	11.76%	149,796.8	12.15%	151,590.9	12.30%
n03	Consortia	1,364	26,131.2	2.12%	28,185.5	2.29%	73,232.3	5.94%
NERC Total		29,396	209,878.7	17.03%	216,944.3	17.60%	338,111.5	27.43%
e621	Leadership Awards	56	4,341.9	0.35%	4,341.9	0.35%	6,136.8	0.50%
e568	Research	5	173.1	0.01%	199.8	0.02%	3,622.7	0.29%
BBSRC Total		61	4,515.0	0.37%	4,541.7	0.37%	9,759.5	0.79%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2.6	0.00%
pr1u1551	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	7,083.1	0.57%
pr1u1552	DECI: EXEC	36	1,413.9	0.11%	1,413.9	0.11%	2,787.5	0.23%
pr1u1553	DECI: EXEC	76	750.9	0.06%	750.9	0.06%	9,366.4	0.76%
pr1u1554	DECI: EXEC	308	475.7	0.04%	484.1	0.04%	552.9	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%	512.8	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	65	923.3	0.07%	923.3	0.07%	1,519.9	0.12%
pr1u1507	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
PRACE Total		485	3,563.8	0.29%	3,572.2	0.29%	21,825.5	1.77%
ecse0910	eCSE	65	0.0	0.00%	0.0	0.00%	45.1	0.00%
eCSE Total		65	0.0	0.00%	0.0	0.00%	45.1	0.00%
d43	ECDF	26	289.5	0.02%	289.5	0.02%	191.3	0.02%
d56	Research	870	11,355.9	0.92%	11,357.1	0.92%	6,351.3	0.52%
d88	Research	0	0.0	0.00%	0.0	0.00%	0.5	0.00%
d114	Research	1,046	15,137.8	1.23%	15,193.9	1.23%	13,411.5	1.09%
d118	Research	273	117.8	0.01%	117.8	0.01%	423.4	0.03%
d137	Research	1,251	783.4	0.06%	783.4	0.06%	2,746.2	0.22%
d142	Research	0	0.0	0.00%	0.0	0.00%	688.1	0.06%
d143	Research	71	2,330.0	0.19%	2,330.0	0.19%	1,188.5	0.10%
d150	Research	66	4,587.3	0.37%	4,587.3	0.37%	1,354.7	0.11%
d155	Research	371	10,224.0	0.83%	10,337.0	0.84%	2,646.4	0.21%
d170	Research	10	0.0	0.00%	0.0	0.00%	0.8	0.00%
d153	Industrial	374	601.2	0.05%	601.9	0.05%	211.7	0.02%
i01	Industrial	10	1,202.6	0.10%	1,202.6	0.10%	582.2	0.05%
i18	Industrial	53	8,542.9	0.69%	8,734.8	0.71%	1,434.4	0.12%
i21	Industrial	1,027	9,159.9	0.74%	9,039.0	0.73%	15,847.0	1.29%
x08	Industrial	0	0.0	0.00%	0.0	0.00%	1,593.8	0.13%
d171	Training	41	196.8	0.02%	186.0	0.02%	1,058.6	0.09%
d425	Service	0	0.0	0.00%	0.0	0.00%	1.6	0.00%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
z99	Service	23	0.4	0.00%	0.4	0.00%	1.6	0.00%
DirectorsTime Total		5,512	64,529.5	5.23%	64,760.6	5.25%	49,733.5	4.03%
y14	Training	0	0.0	0.00%	0.0	0.00%	158.5	0.01%
y01	Service	0	0.0	0.00%	0.0	0.00%	15.9	0.00%
y02	Service	0	0.0	0.00%	0.0	0.00%	79.7	0.01%
y07	Service	8	0.0	0.00%	0.0	0.00%	59.4	0.00%
z02	Service	0	0.0	0.00%	0.0	0.00%	4.0	0.00%
z19	Service	341	877.7	0.07%	877.8	0.07%	2,269.3	0.18%
CSE Total		349	877.7	0.07%	877.8	0.07%	2,586.8	0.21%
w20	Service	0	0.0	0.00%	0.0	0.00%	284.3	0.02%
Internal Total		0	0.0	0.00%	0.0	0.00%	284.3	0.02%
Total		62,658	1,061,136.5	86.08%	1,133,545.5	91.95%	1,157,343.9	93.88%

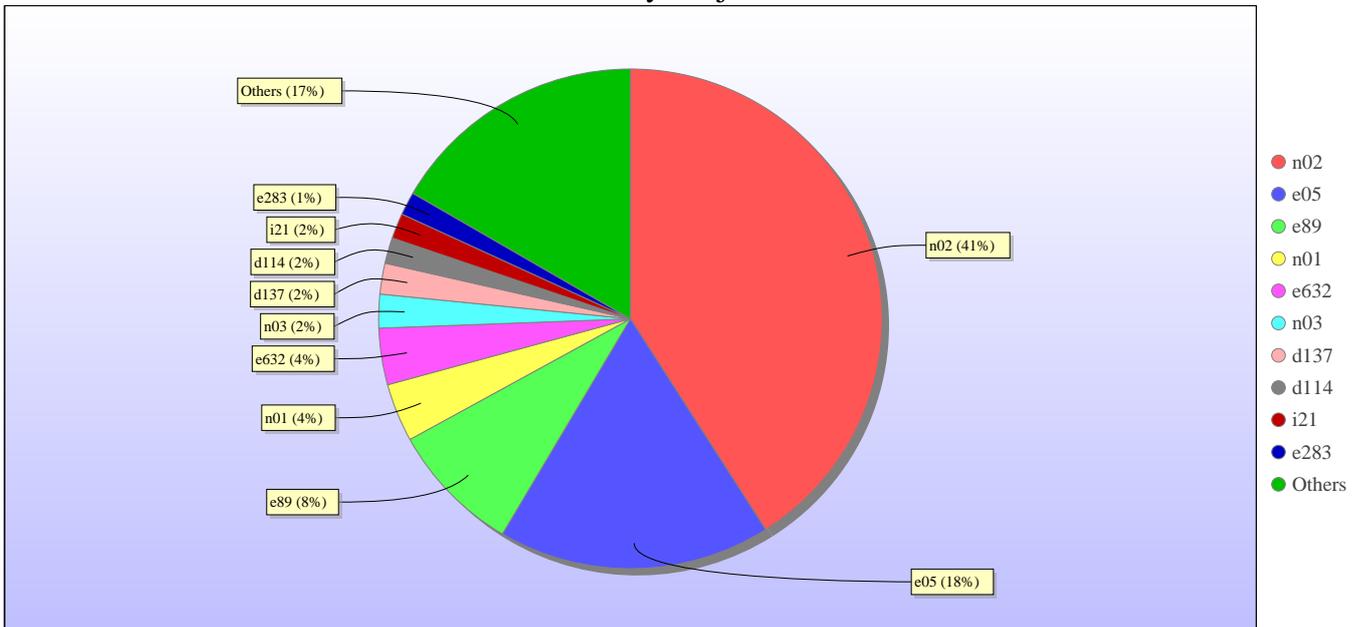
Use by Project



Uncharged Use by Project



Jobs by Project

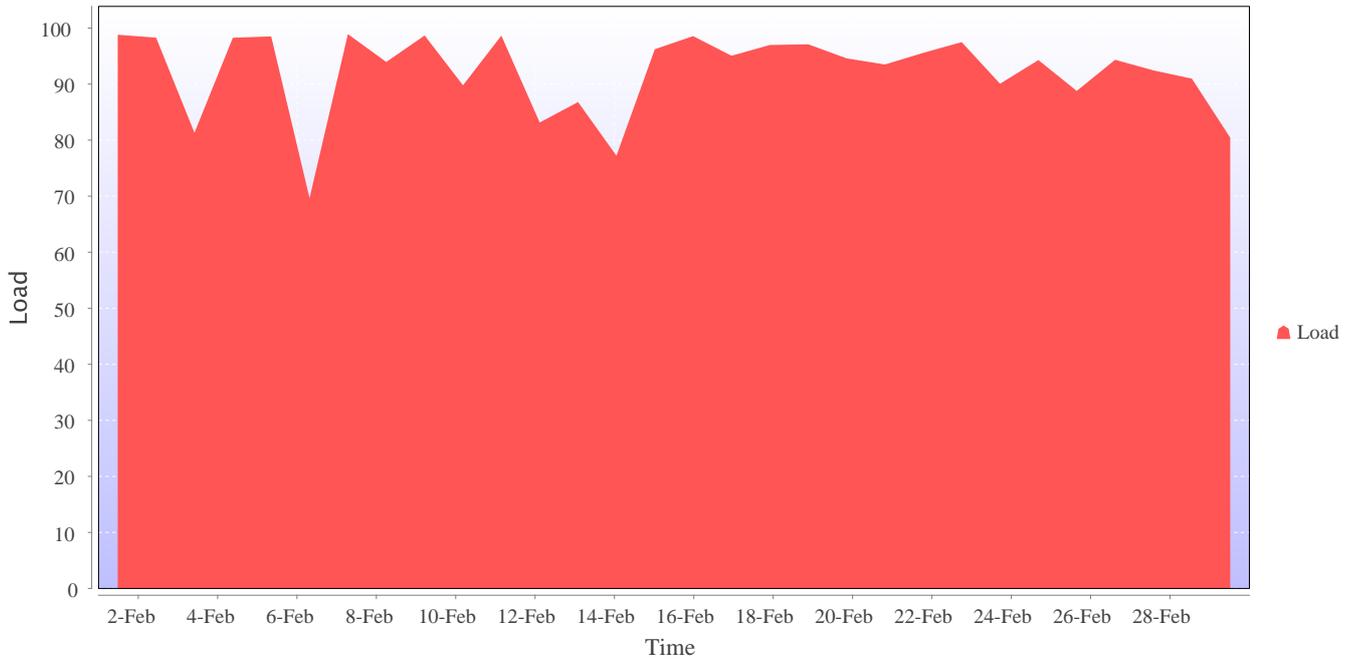


kAUs (by Size)

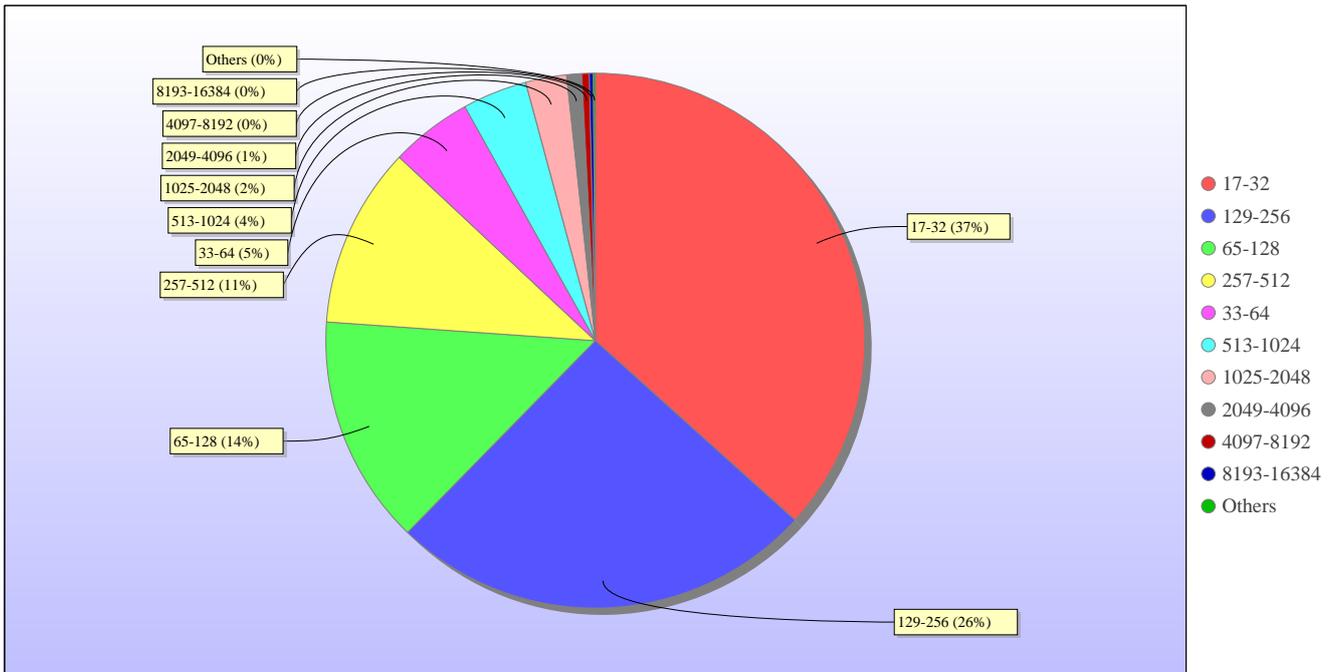
Size	kAUs	Number of Jobs
17-32	8,597.975	23,000
33-64	11,735.151	3,086
65-128	63,230.669	8,674
129-256	214,230.444	16,014
257-512	216,107.871	6,837
513-1024	153,256.31	2,431
1025-2048	143,577.481	1,539
2049-4096	111,782.658	565
4097-8192	51,736.658	281
8193-16384	60,181.755	147
16385-32768	11,768.14	49

Size	kAUs	Number of Jobs
32769-65536	8,054.88	16
65537-131072	4,182.961	11

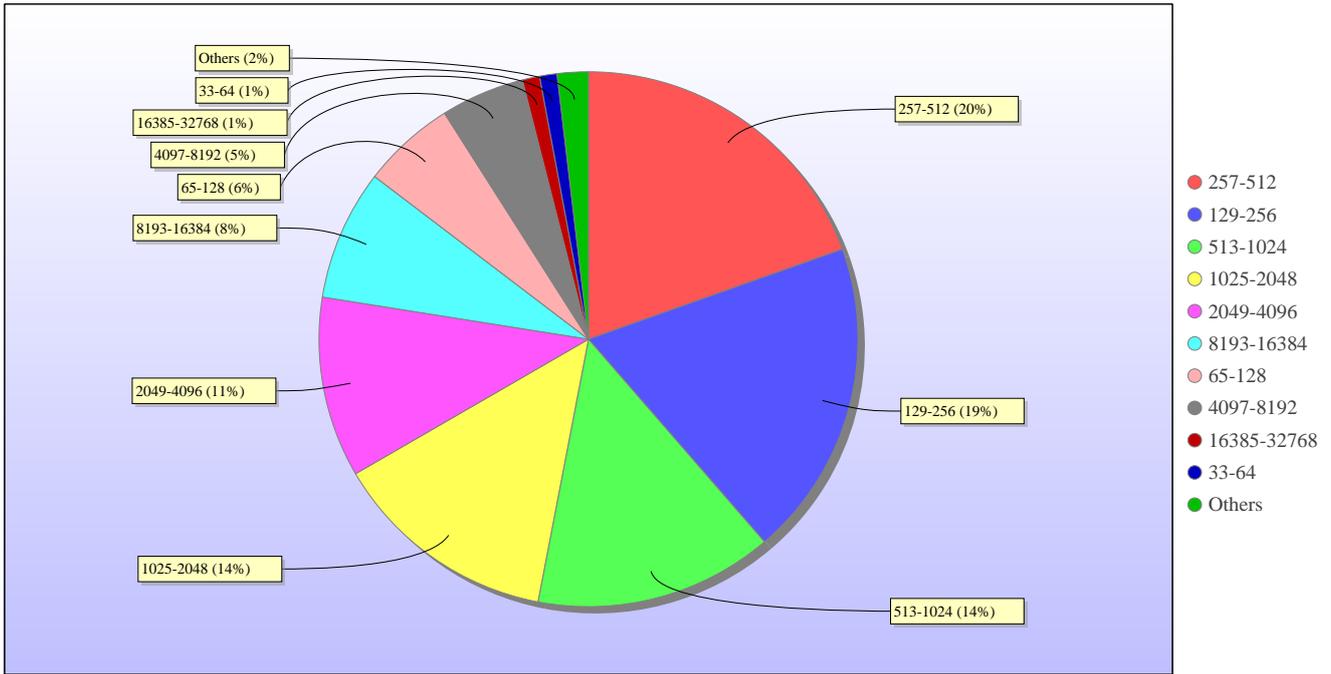
Load plots



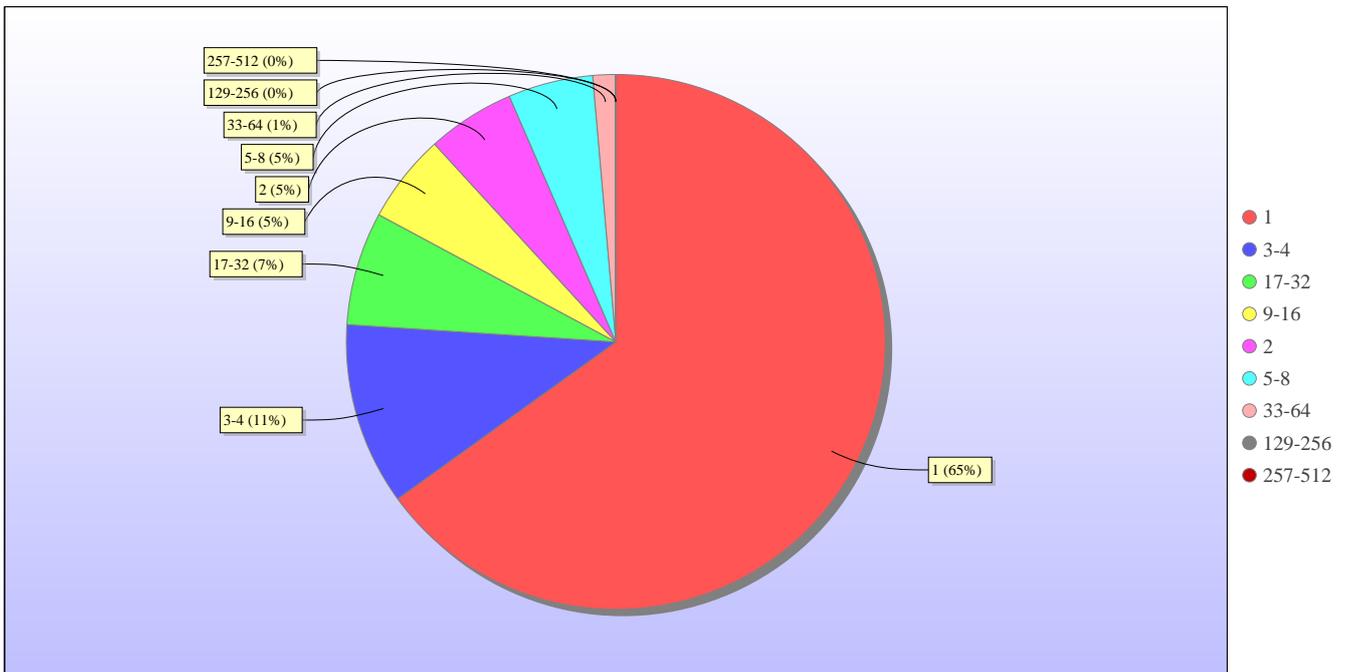
Percentage load on machine



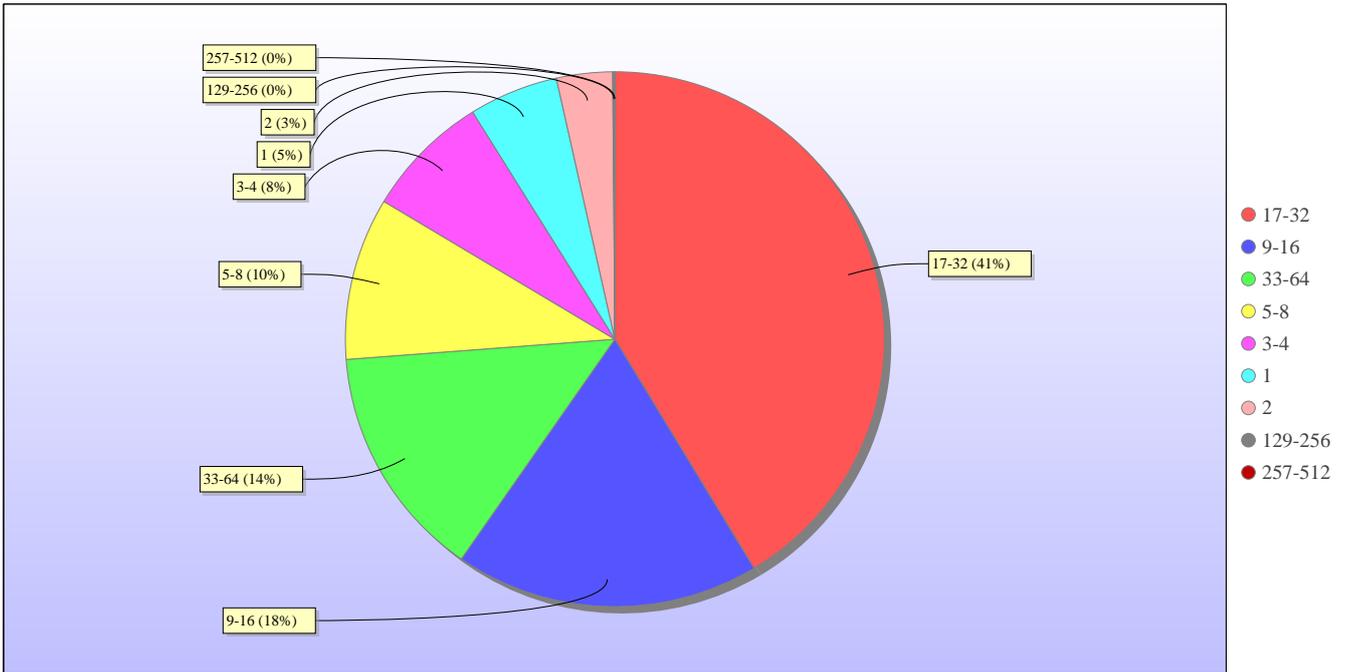
Jobs by Size



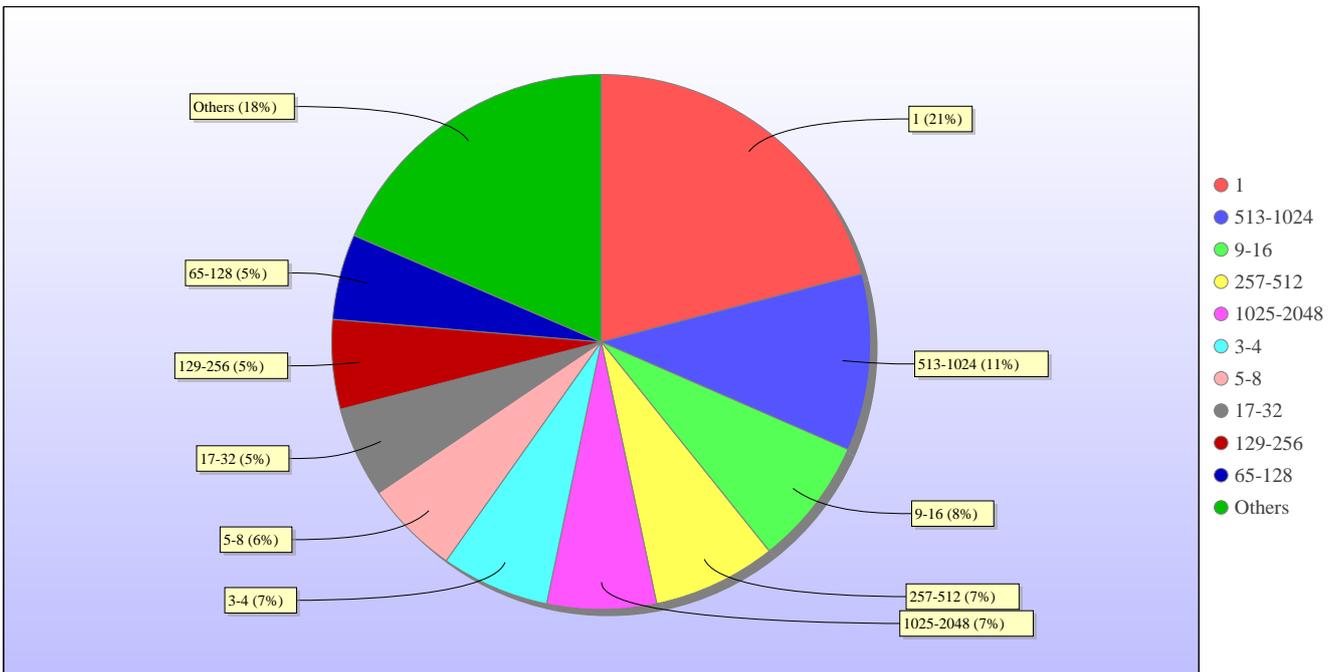
kAUs used by Size



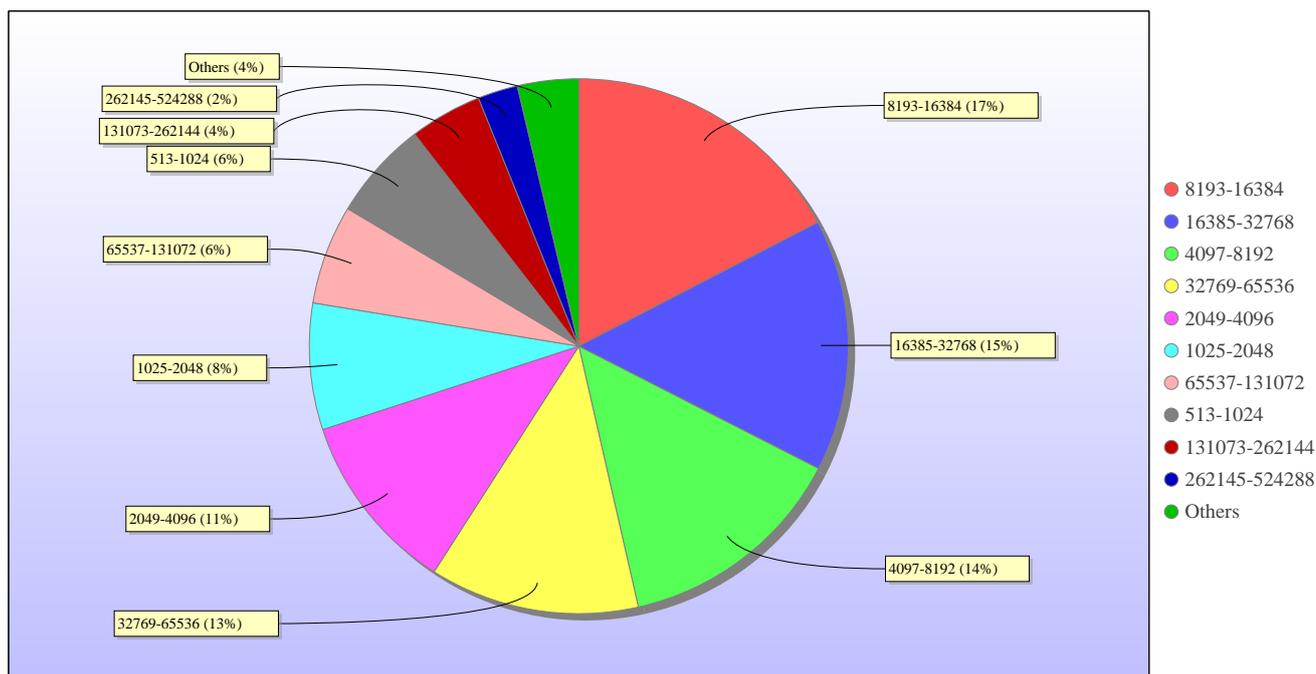
Jobs grouped by wall-clock-hours



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.

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.

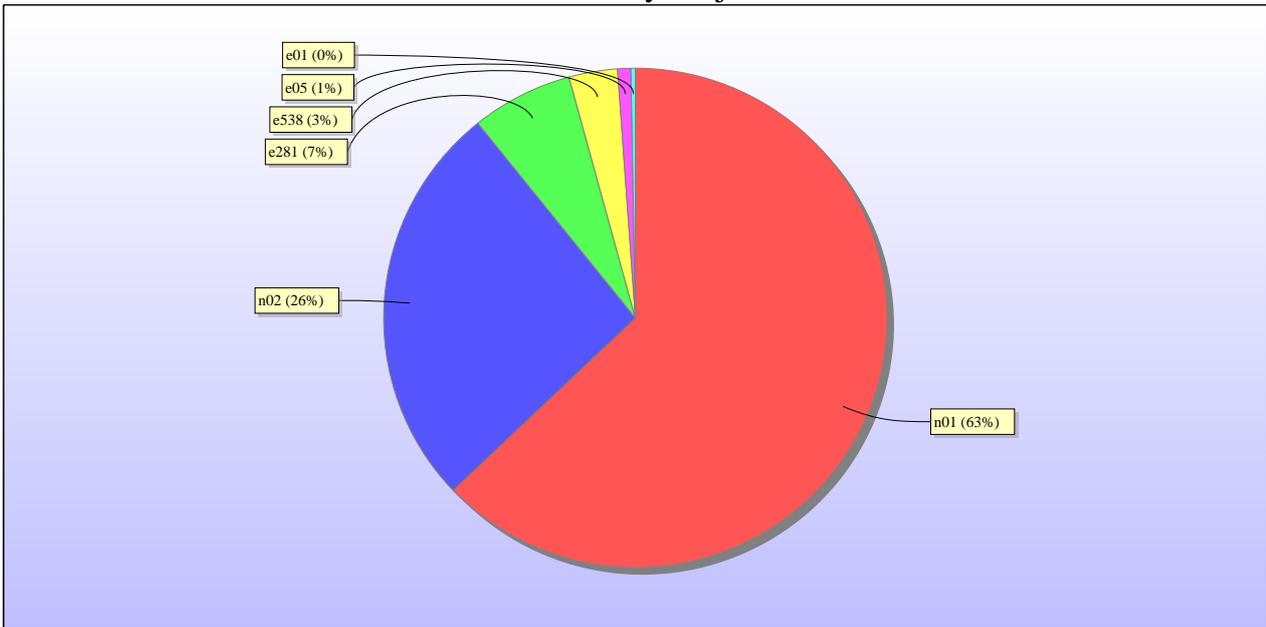
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	1	0.0		0.0		0.0	
e05	Consortia	3	0.0		0.0		0.0	
e281	Consortia	23	0.0		0.0		0.0	
e538	Training	11	0.0		0.0		0.0	
EPSRC Total		38	0.0		0.0		0.0	
n01	Consortia	222	0.0		0.0		0.0	
n02	Consortia	93	0.0		0.0		0.0	
NERC Total		315	0.0		0.0		0.0	
Total		353	0.0	0	0.0	0	0.0	0

Use by Project



- e01
- e05
- e281
- n01
- n02
- e538

Jobs by Project

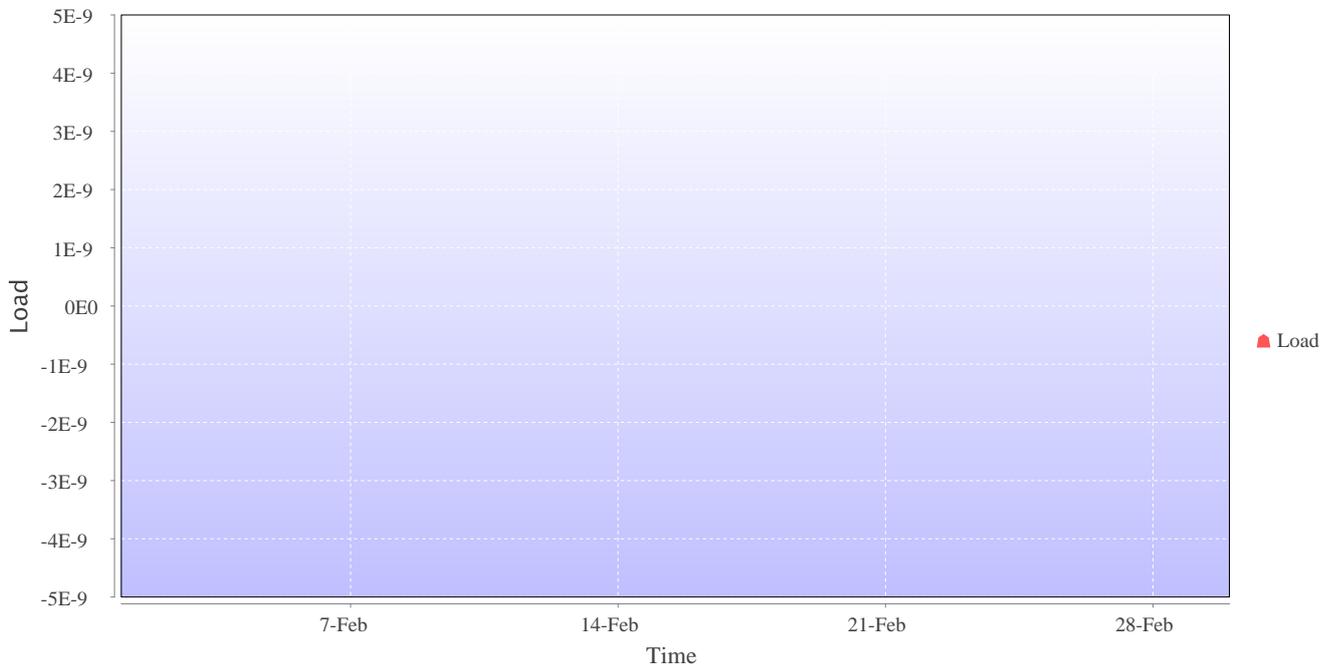


- n01
- n02
- e281
- e538
- e05
- e01

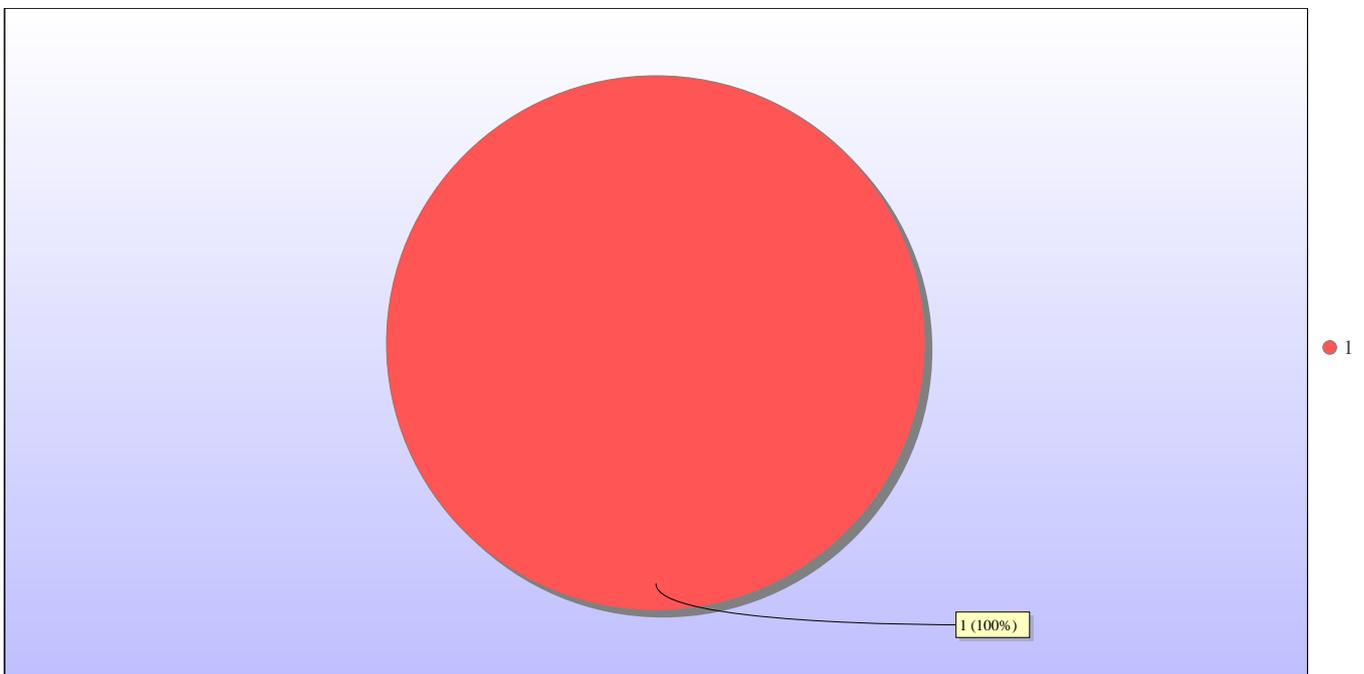
kAUs (by Size)

Size	kAUs	Number of Jobs
1	0	353

Load plots



Percentage load on machine

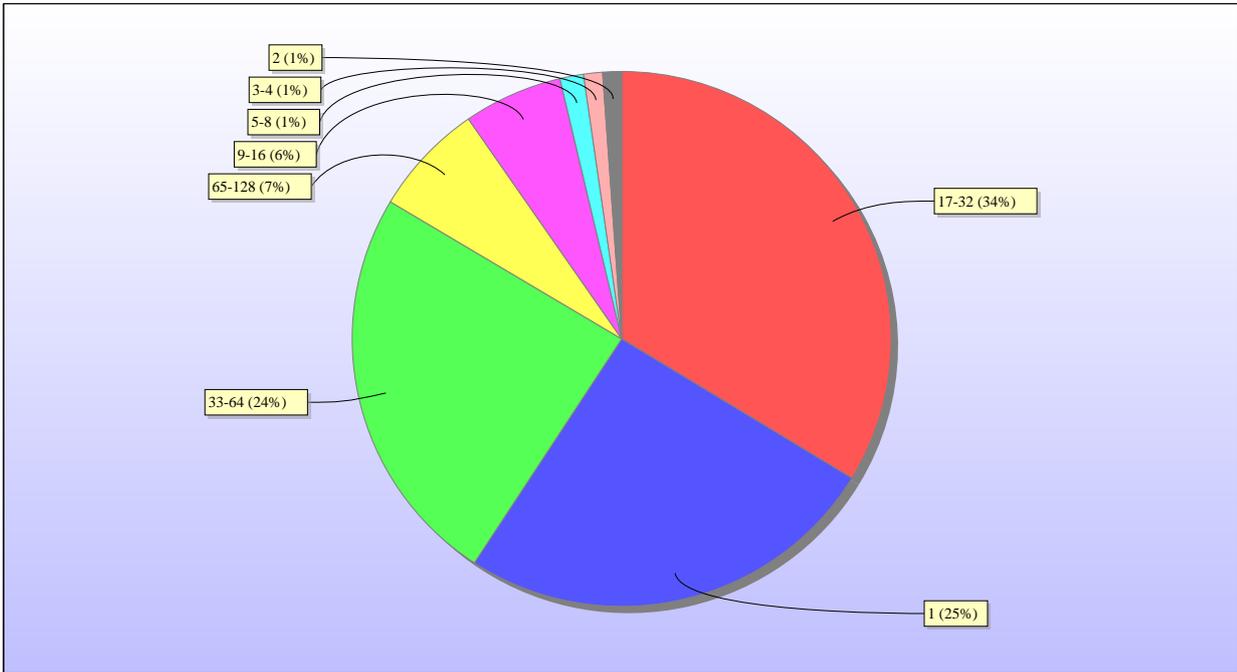


Jobs by Size



1

kAUs used by Size

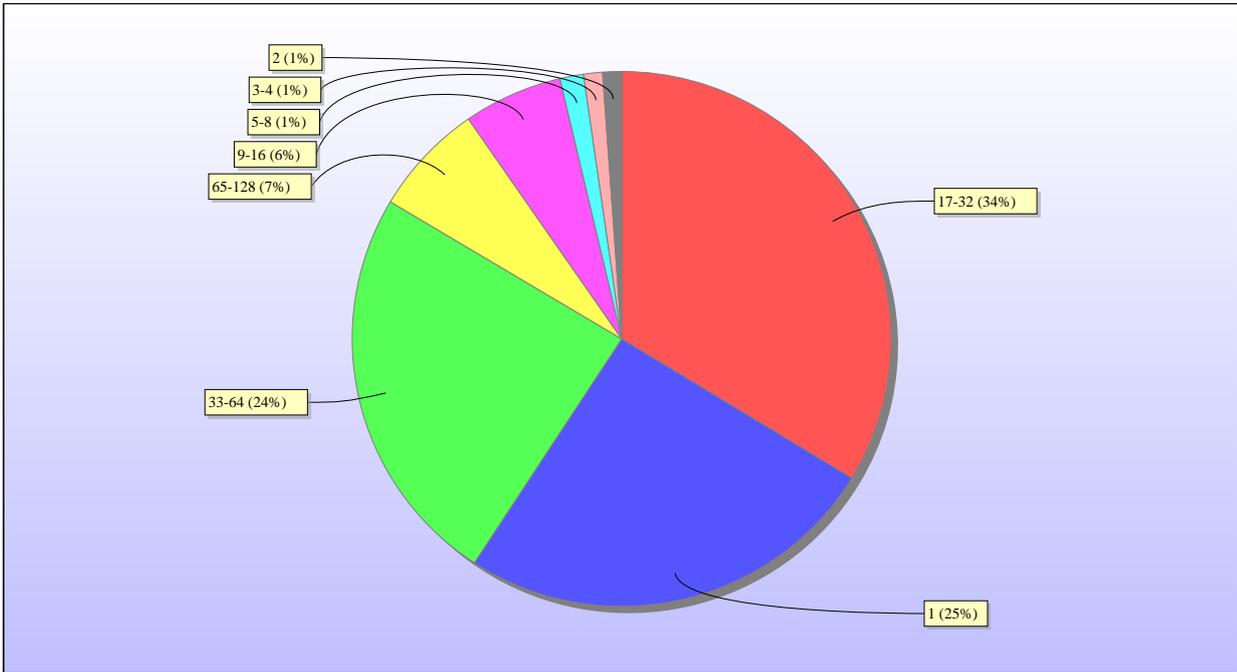


Jobs grouped by wall-clock-hours



- 1
- 2
- 3-4
- 5-8
- 9-16
- 17-32
- 33-64
- 65-128

kAUs used grouped by wall-clock-hours



- 17-32
- 1
- 33-64
- 65-128
- 9-16
- 5-8
- 3-4
- 2

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.

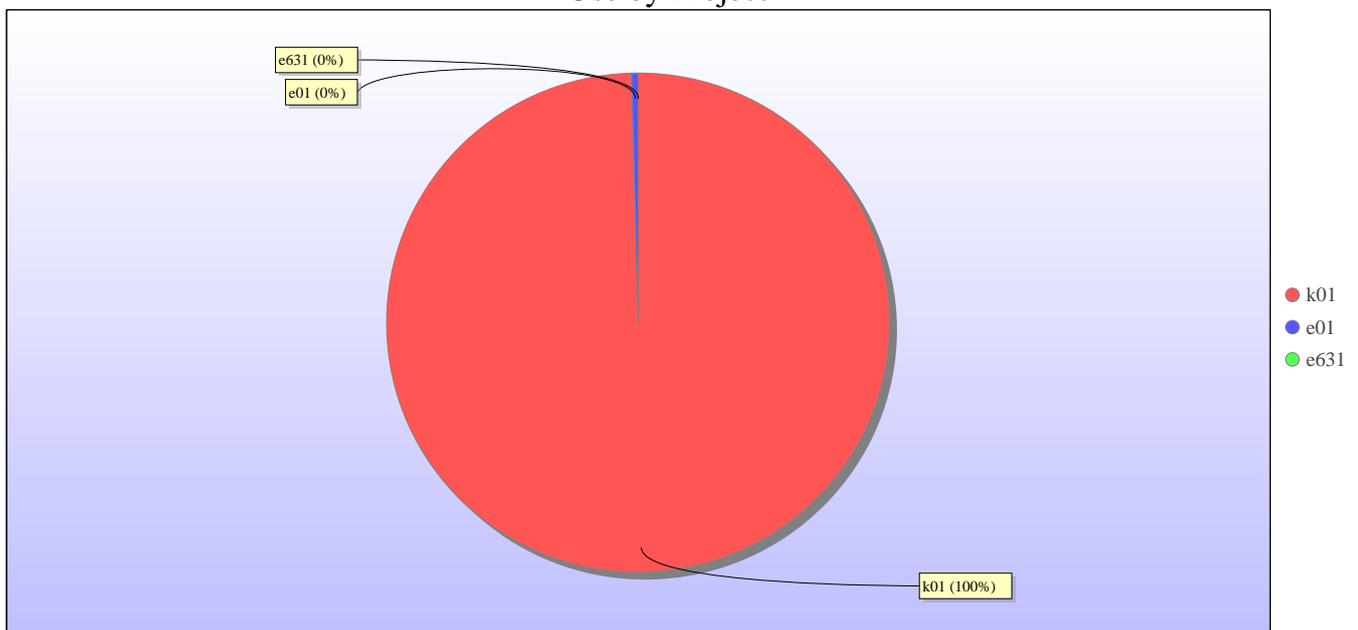
Use and Allocations (by Project)

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.

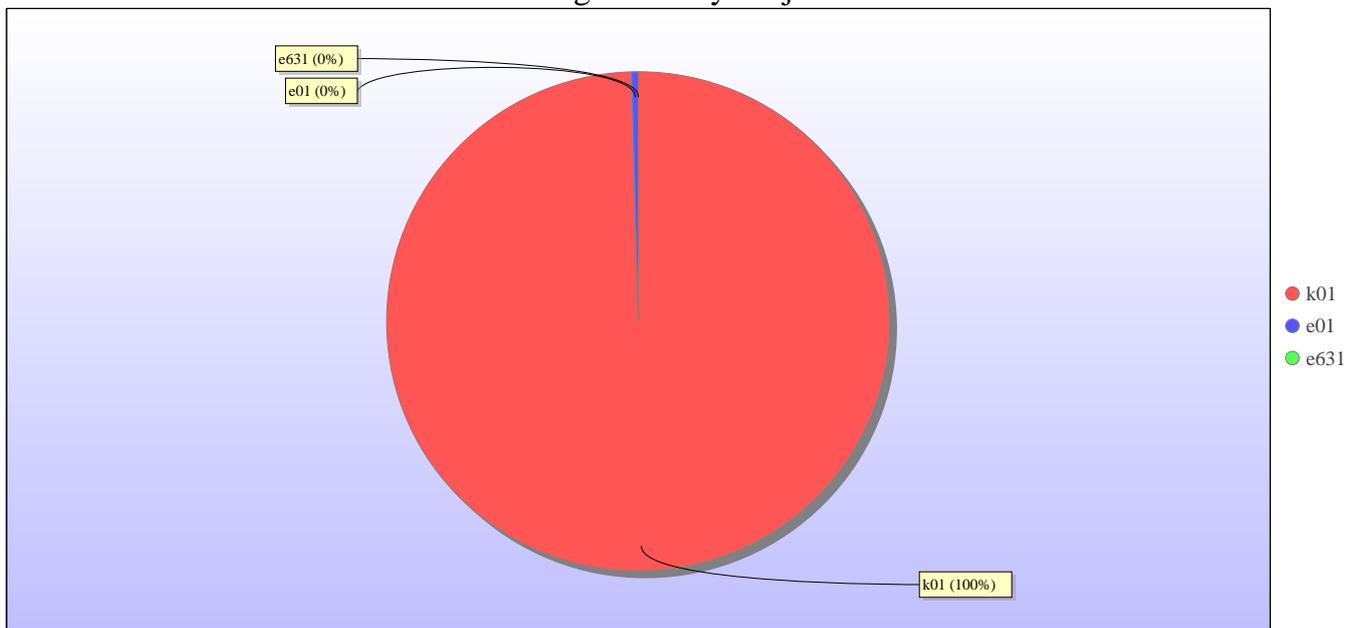
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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	6	0.0		5.9		0.0	
e631	Training	26	0.0		0.1		0.0	
k01	Service	61	0.0		1,412.1		0.0	
EPSRC Total		93	0.0		1,418.1		0.0	
Total		93	0.0	0	1,418.1	0	0.0	0

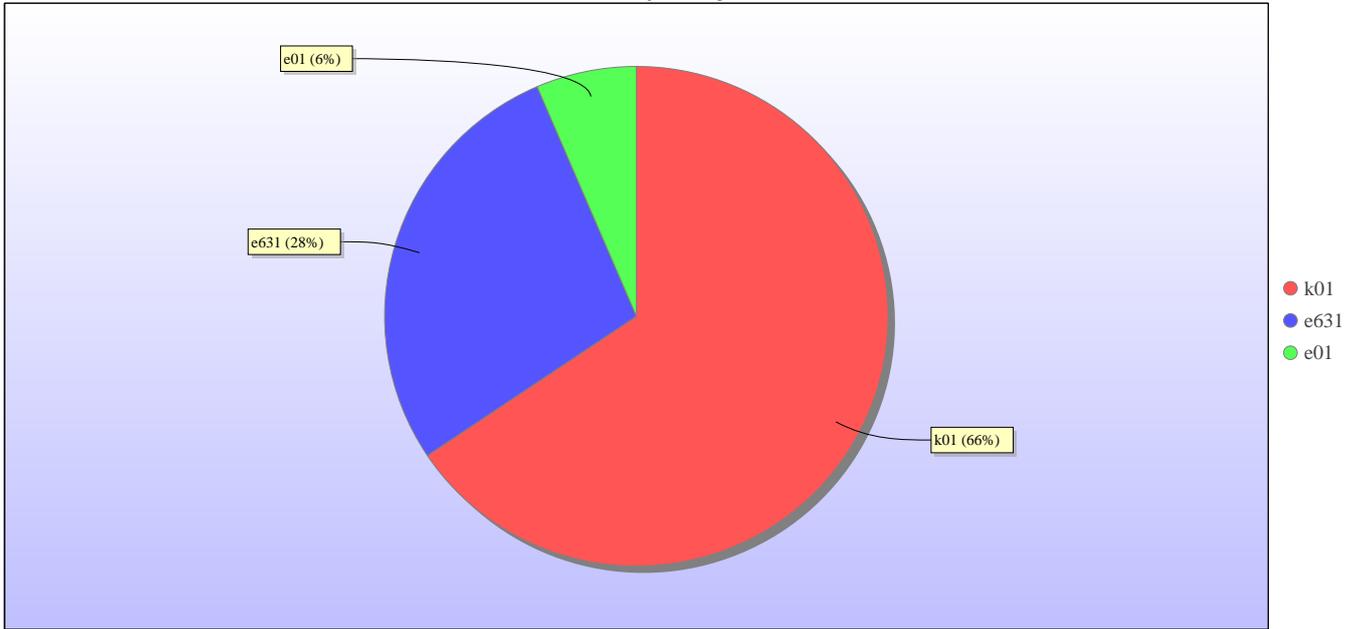
Use by Project



Uncharged Use by Project



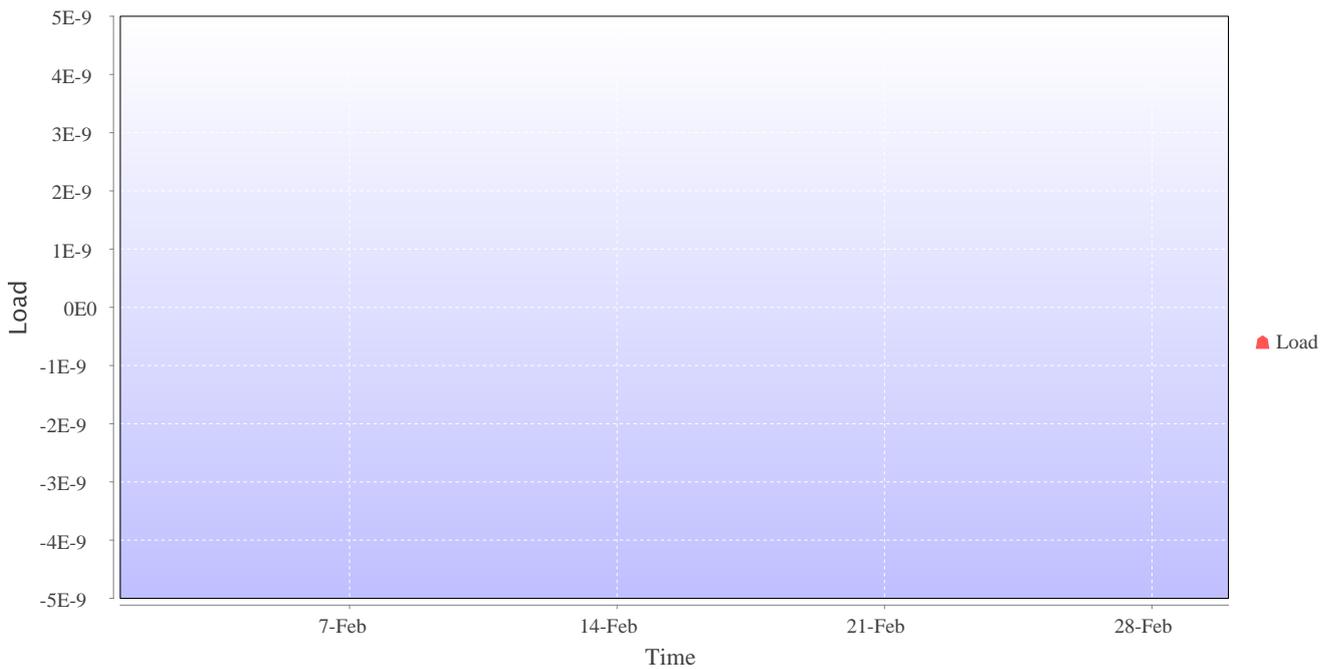
Jobs by Project



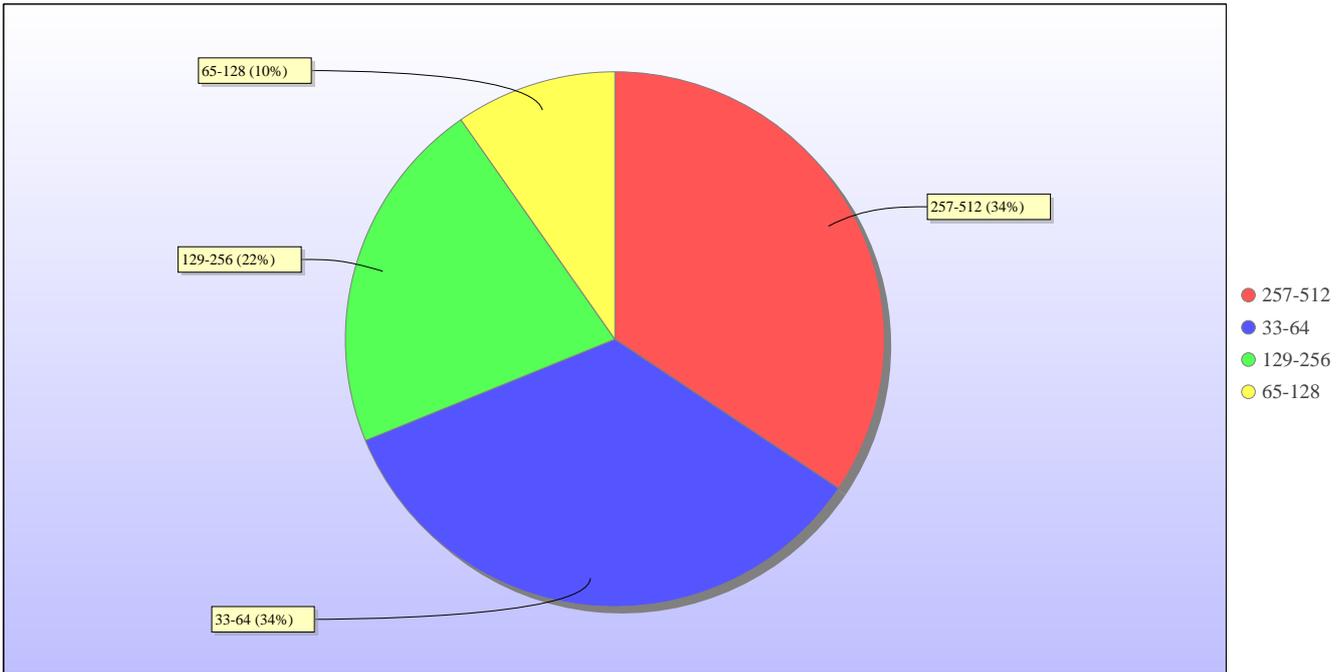
kAUs (by Size)

Size	kAUs	Number of Jobs
33-64	0	32
65-128	0	9
129-256	0	20
257-512	0	32

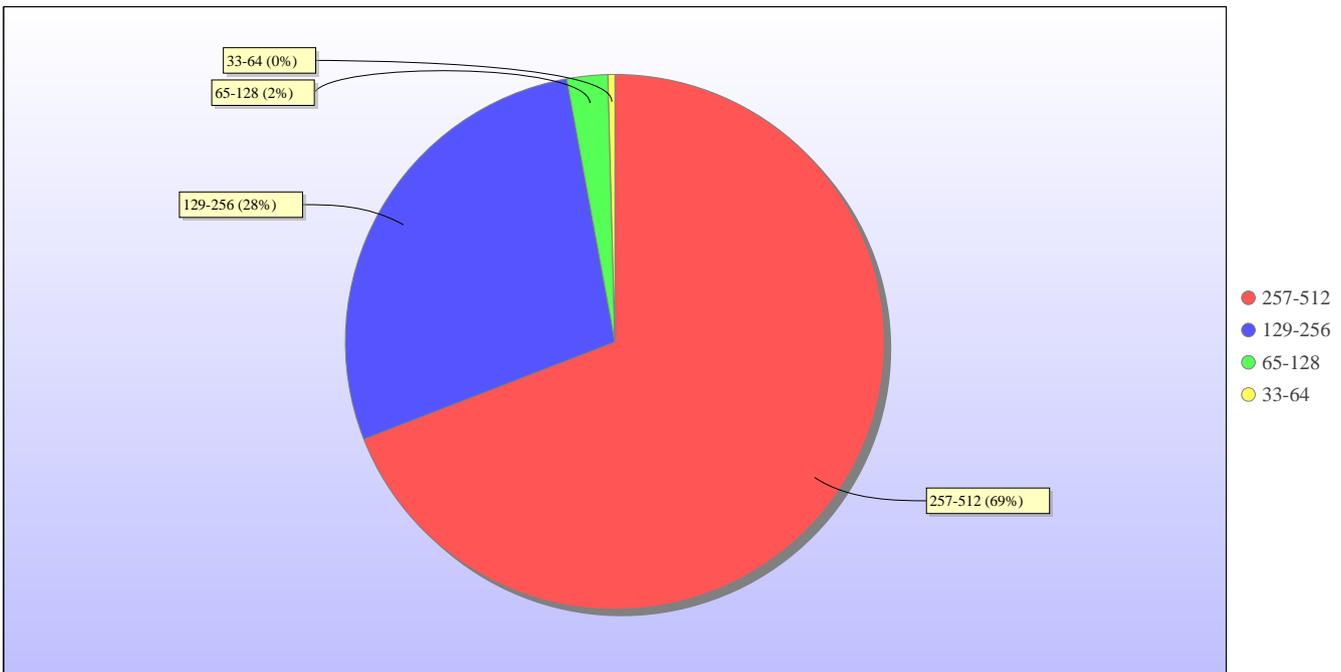
Load plots



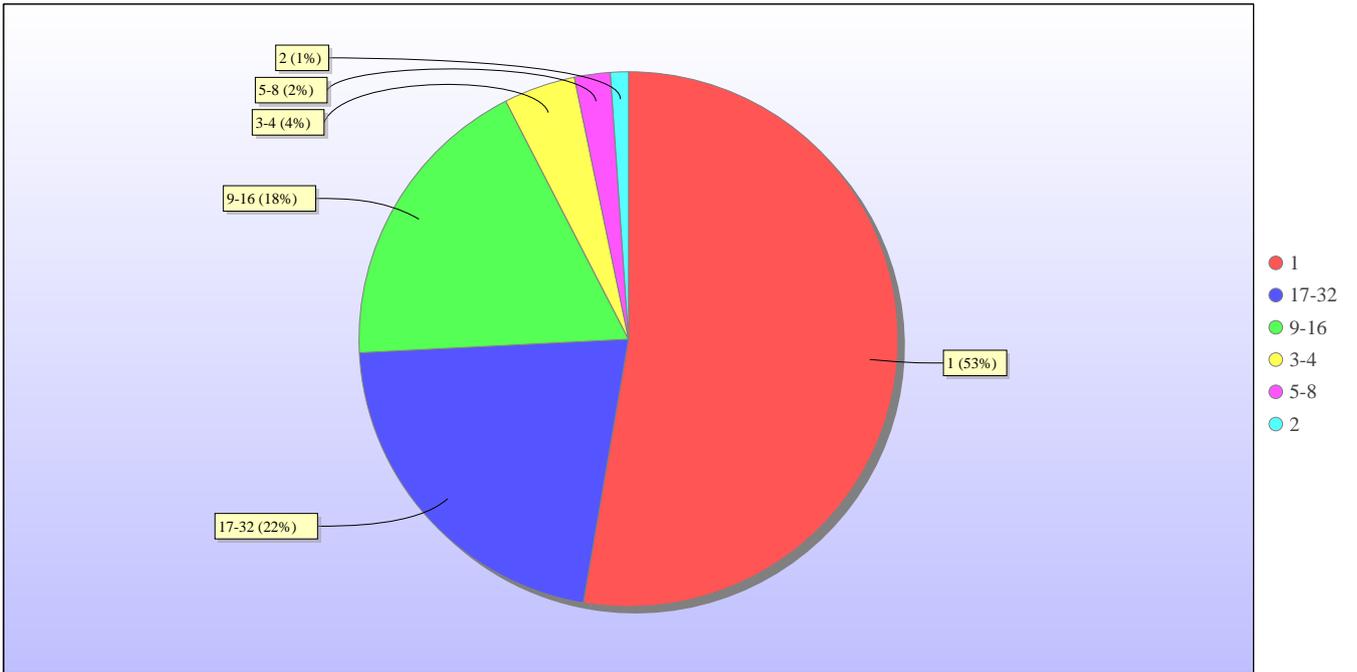
Percentage load on machine



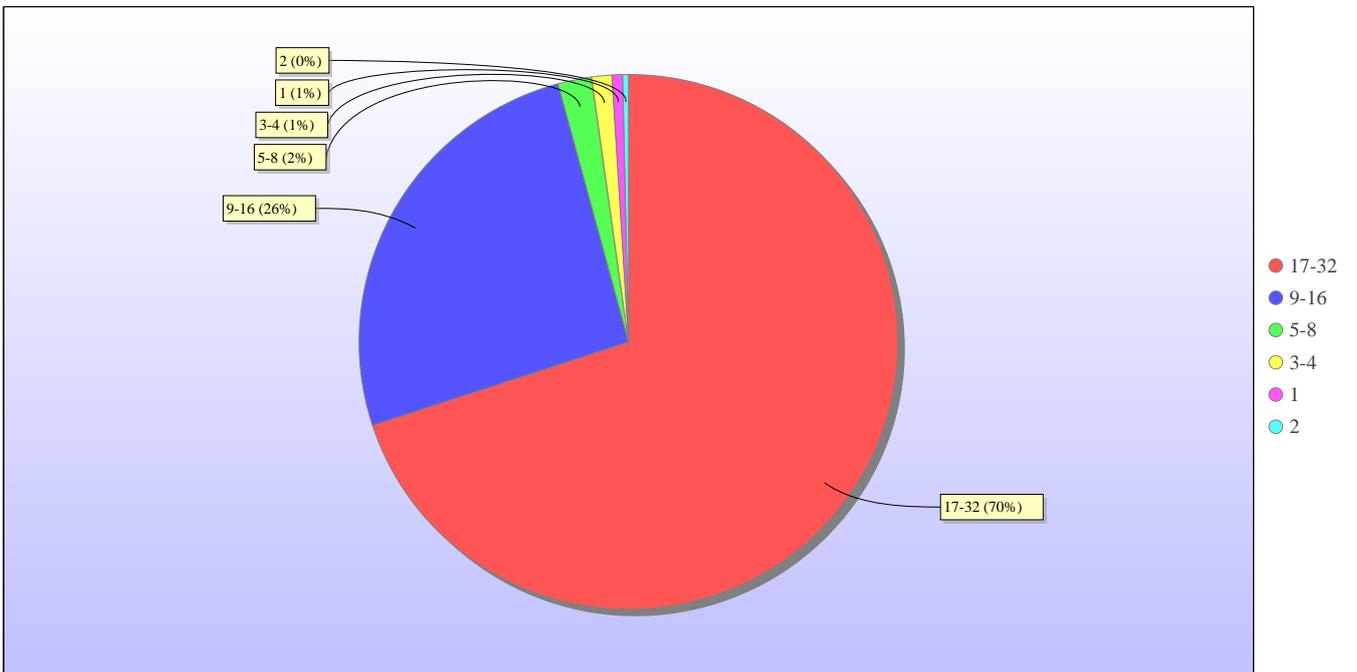
Jobs by Size



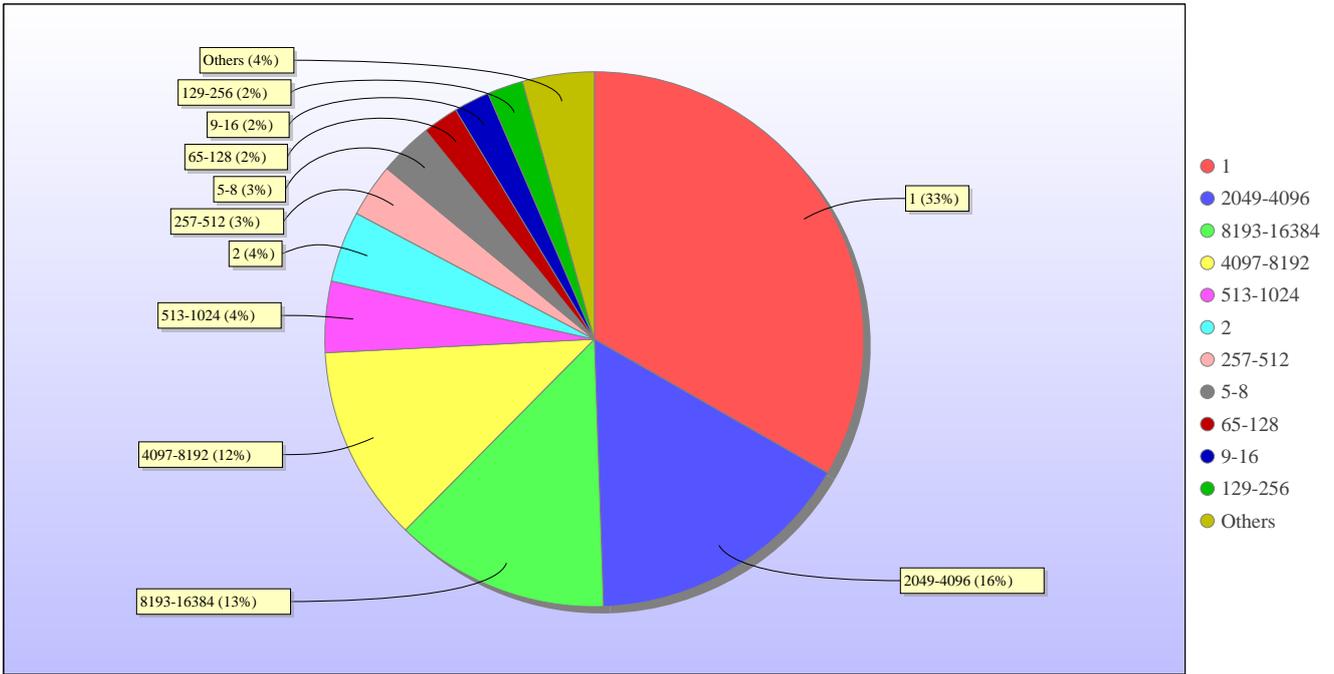
kAUs used by Size



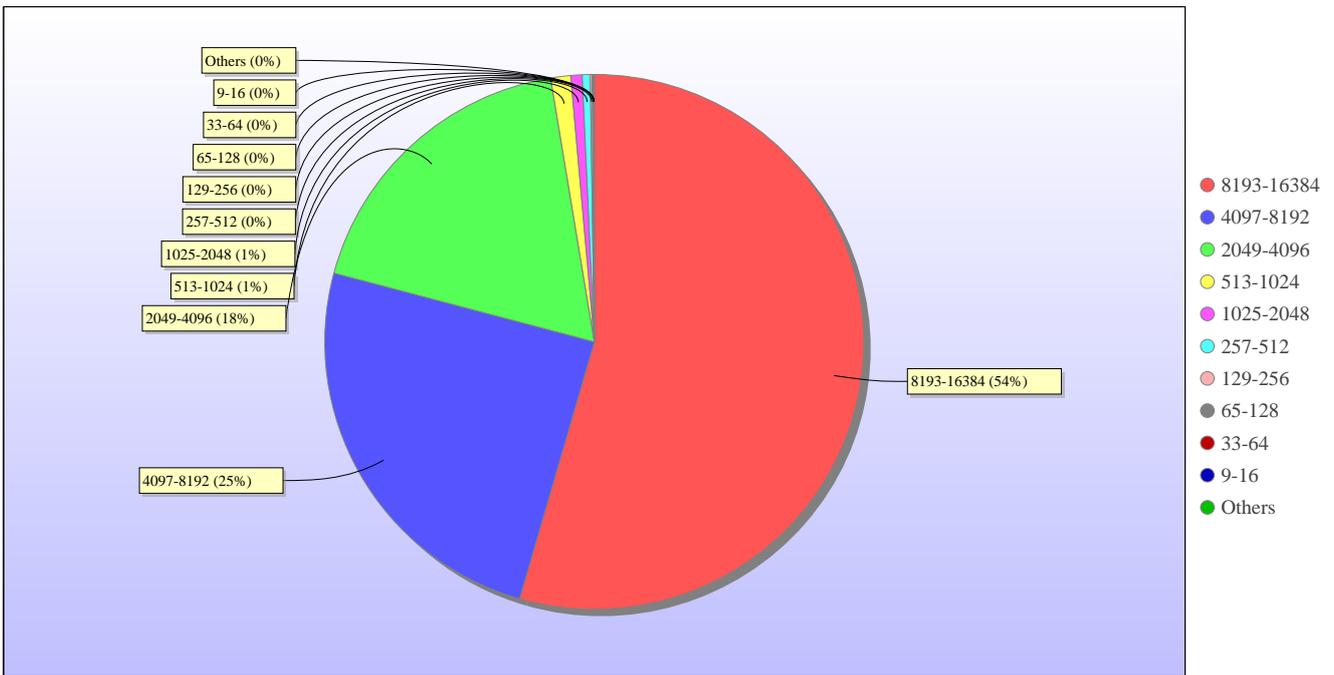
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

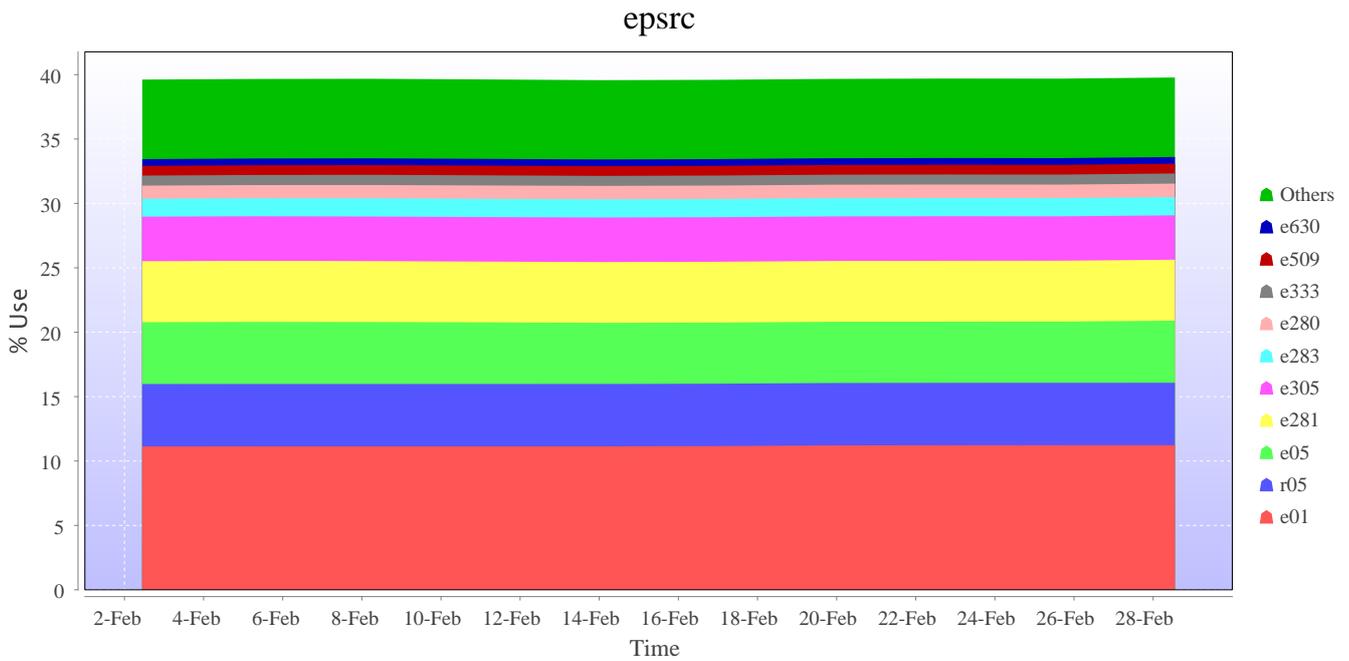


kAUs used grouped by core-hours

Disk usage

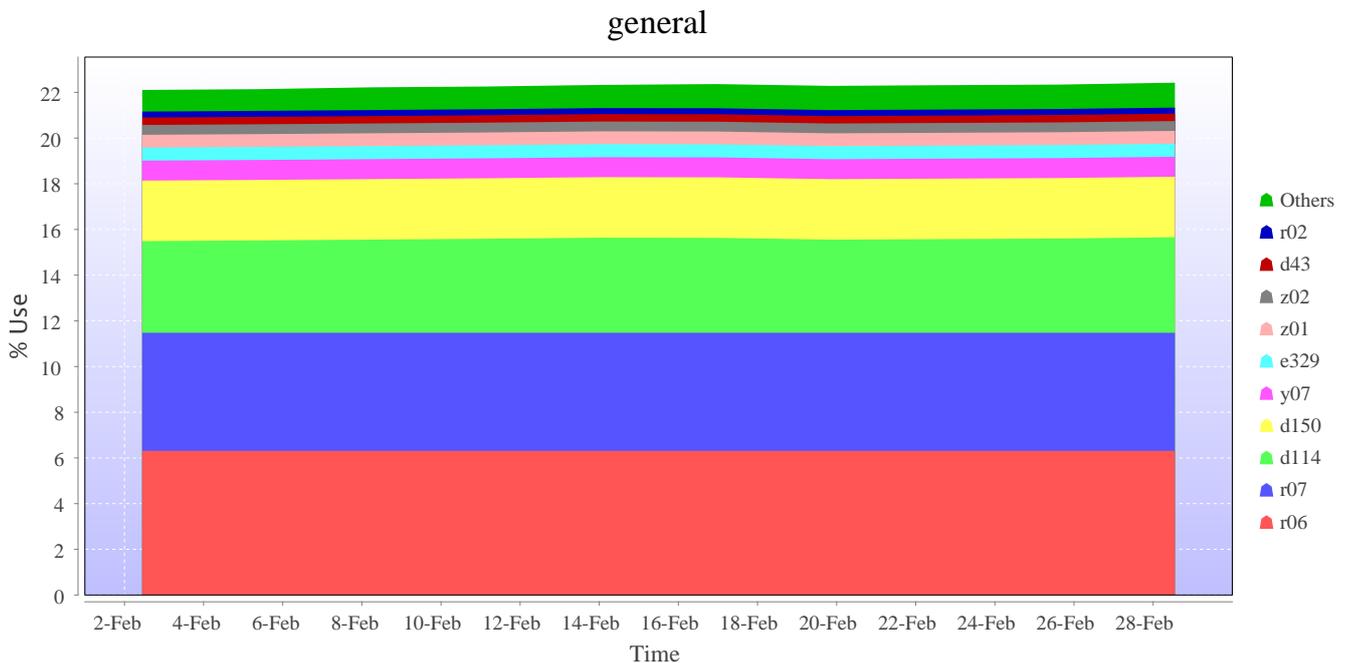
Disk usage for rdf (epsrc)

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.



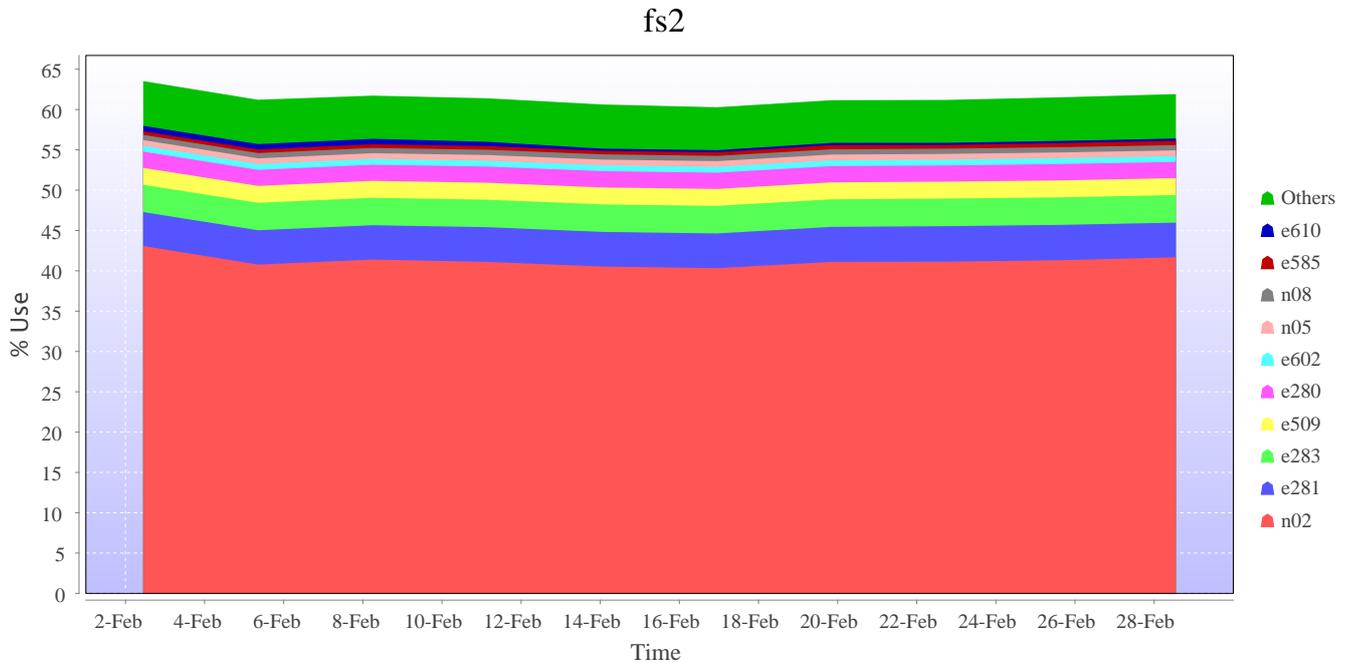
Disk usage for rdf (general)

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.



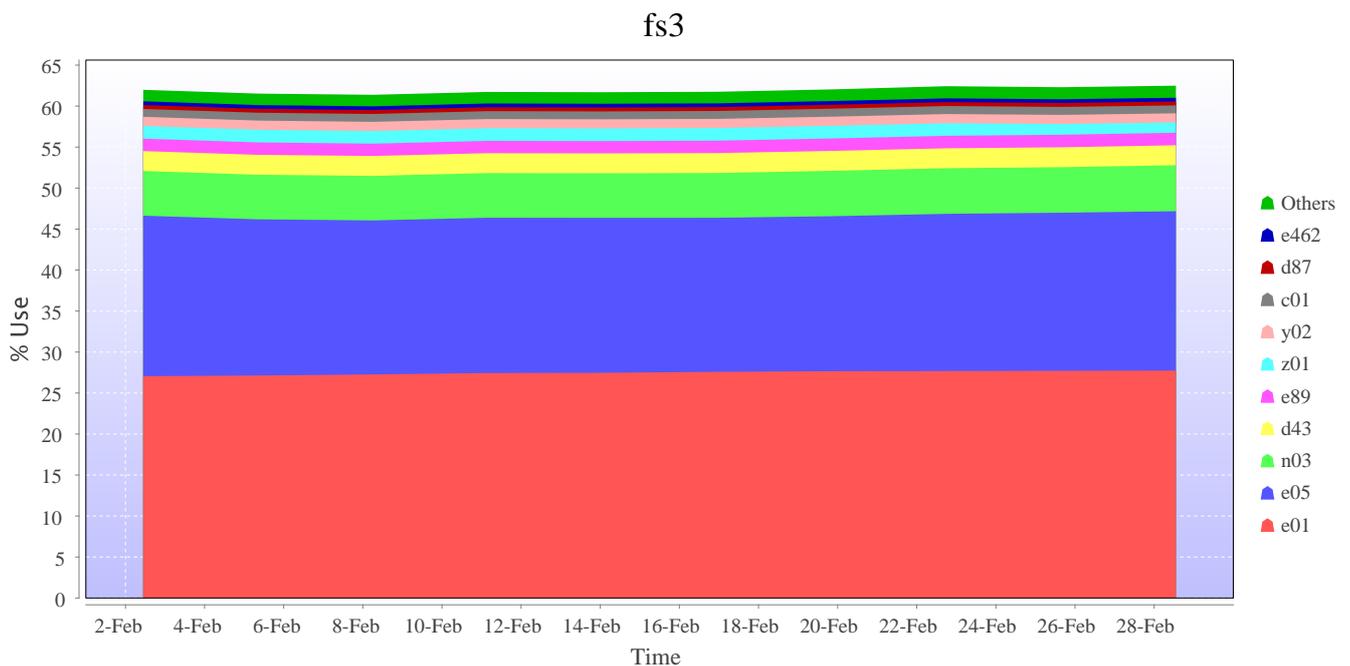
Disk usage for work (fs2)

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.



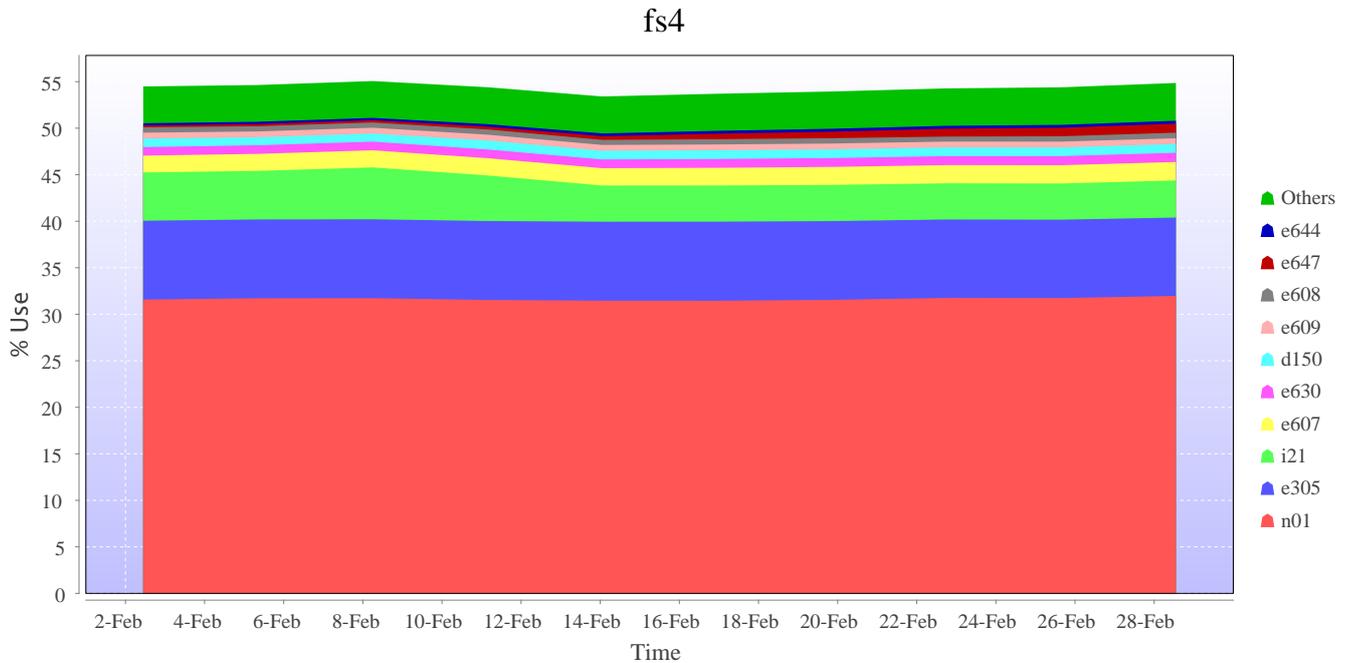
Disk usage for work (fs3)

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.



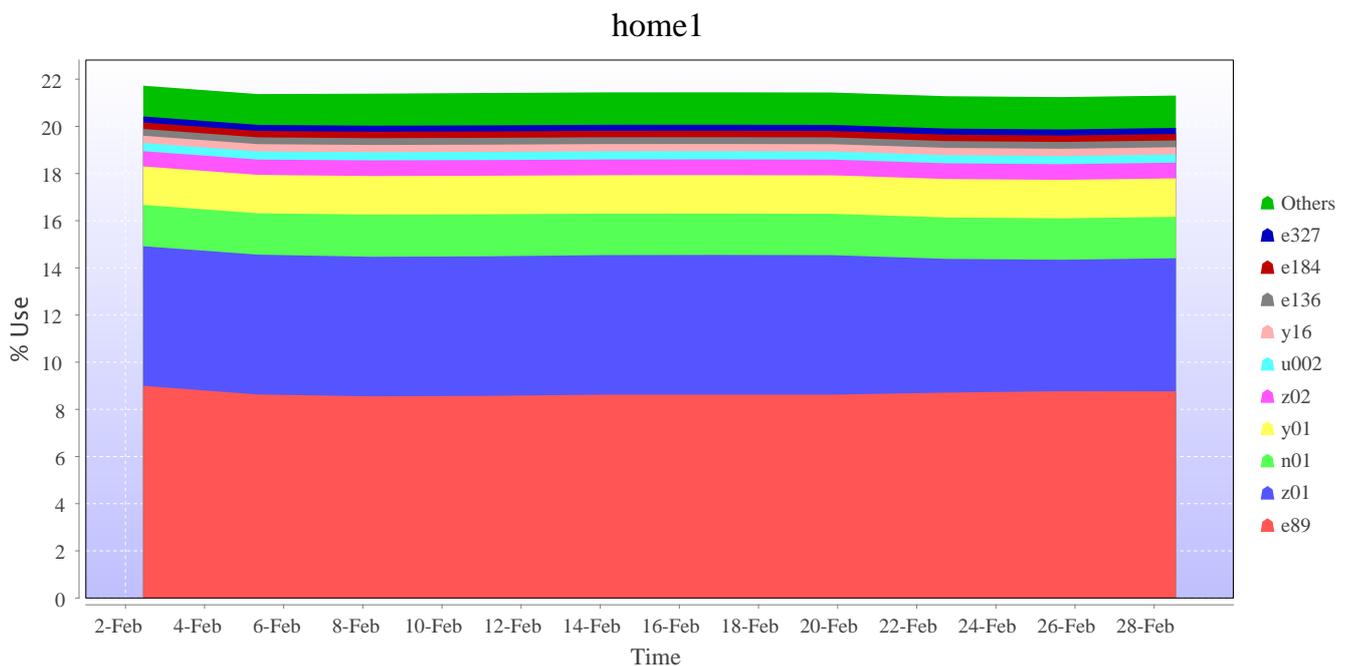
Disk usage for work (fs4)

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.



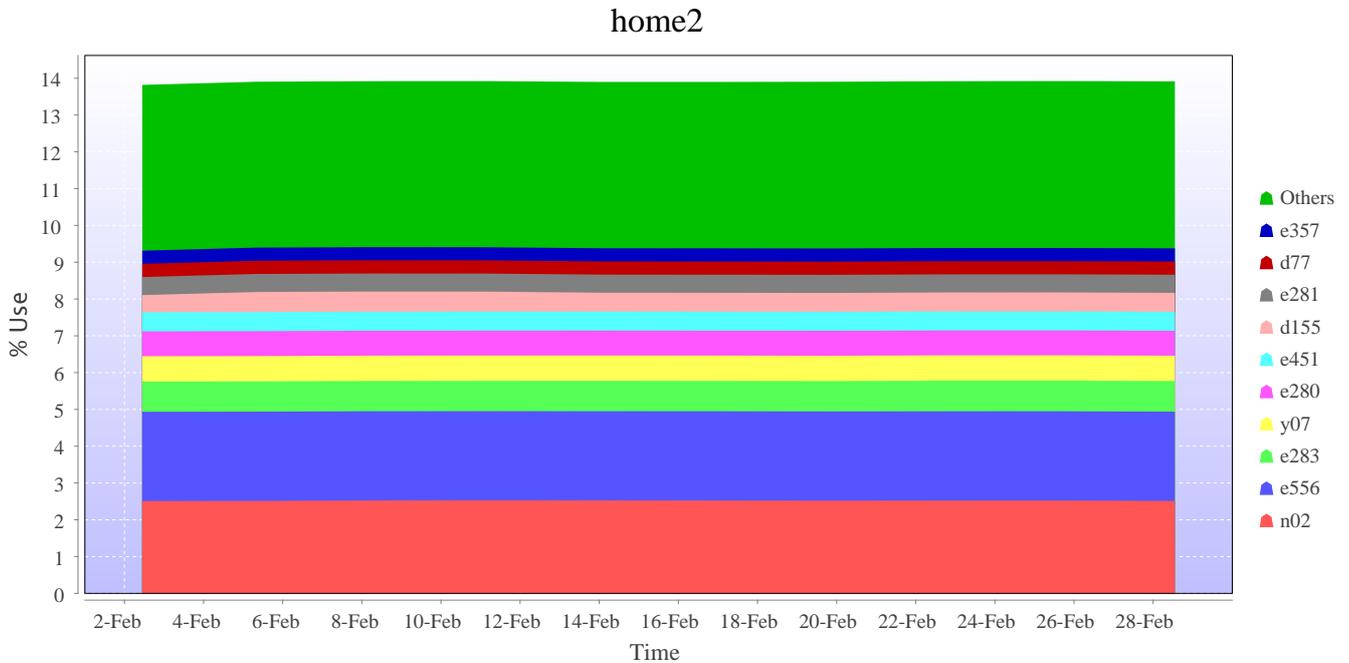
Disk usage for home (home1)

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.



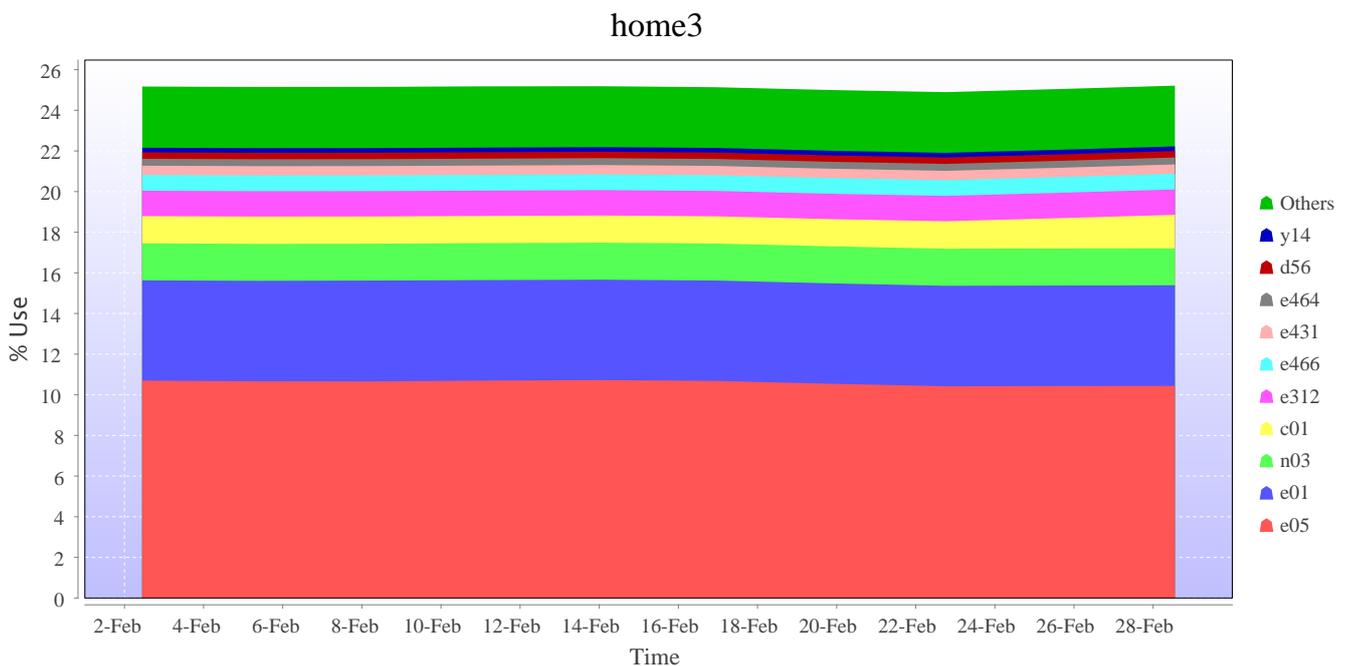
Disk usage for home (home2)

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.



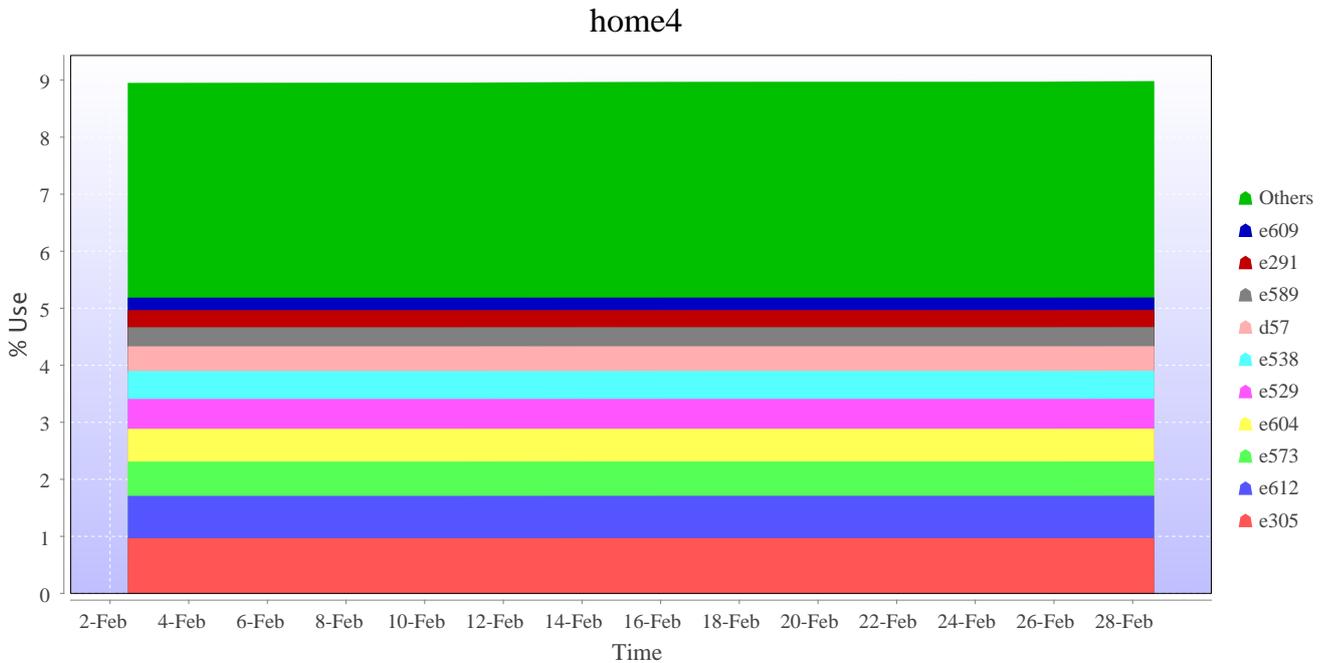
Disk usage for home (home3)

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.



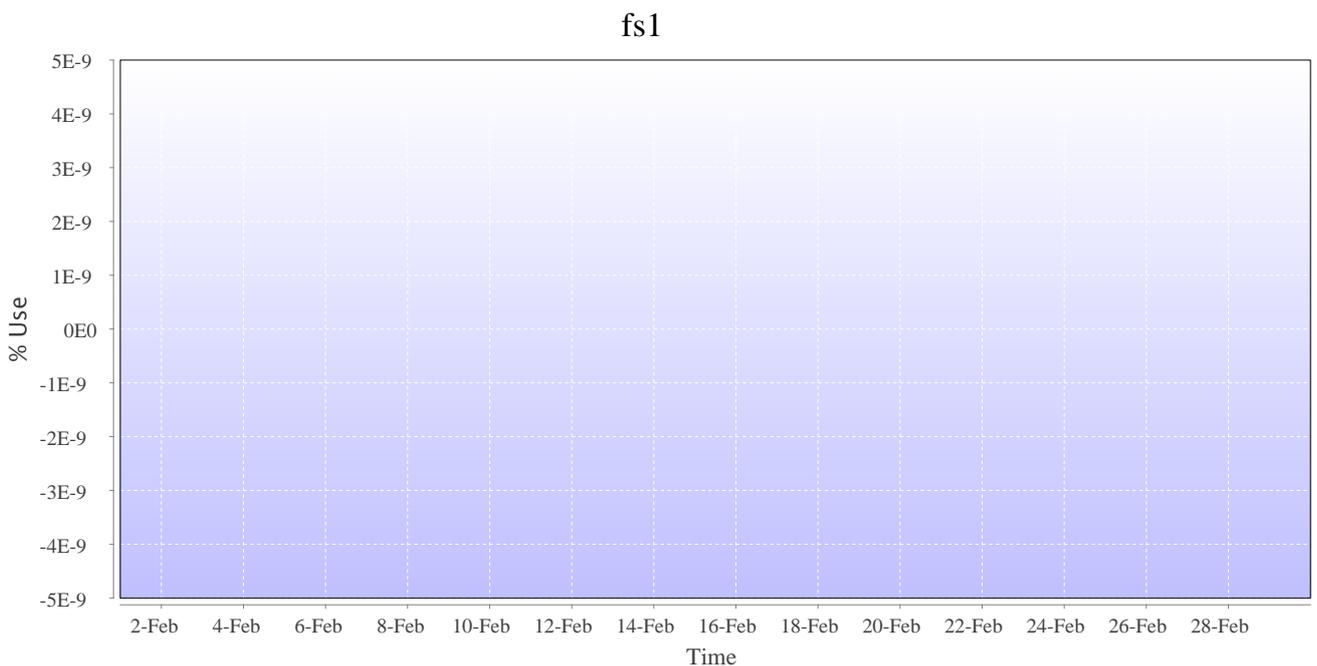
Disk usage for home (home4)

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.



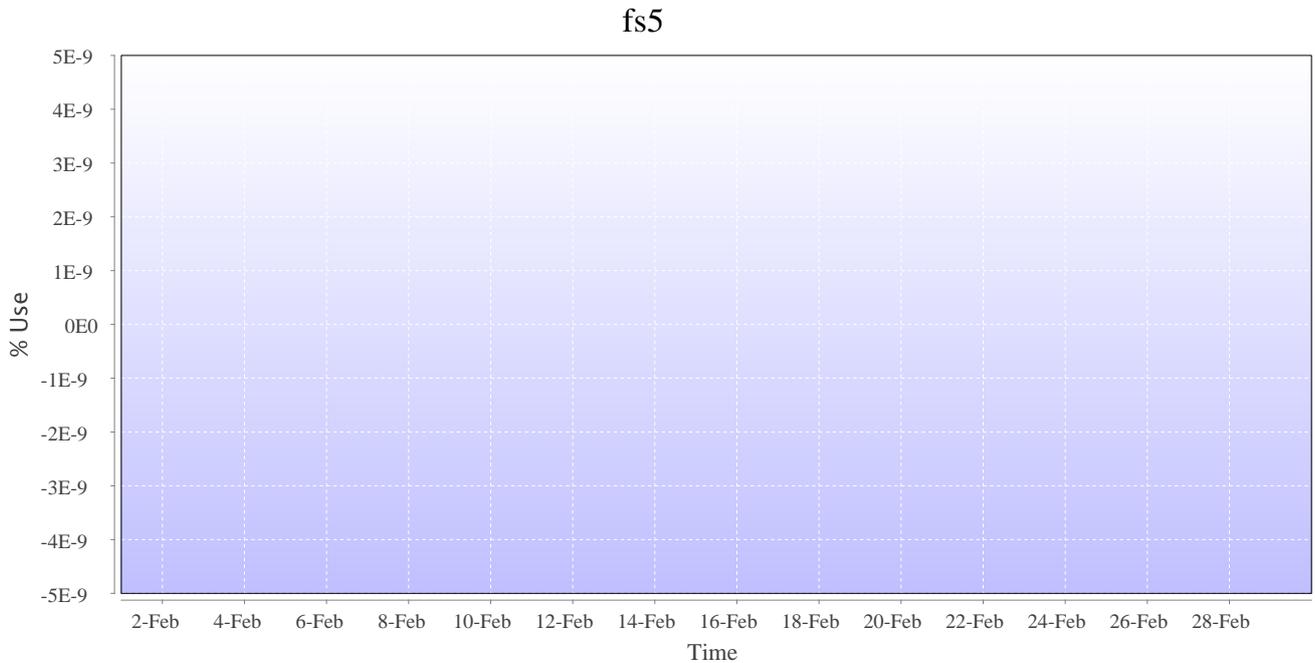
Disk usage for tdswork (fs1)

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.



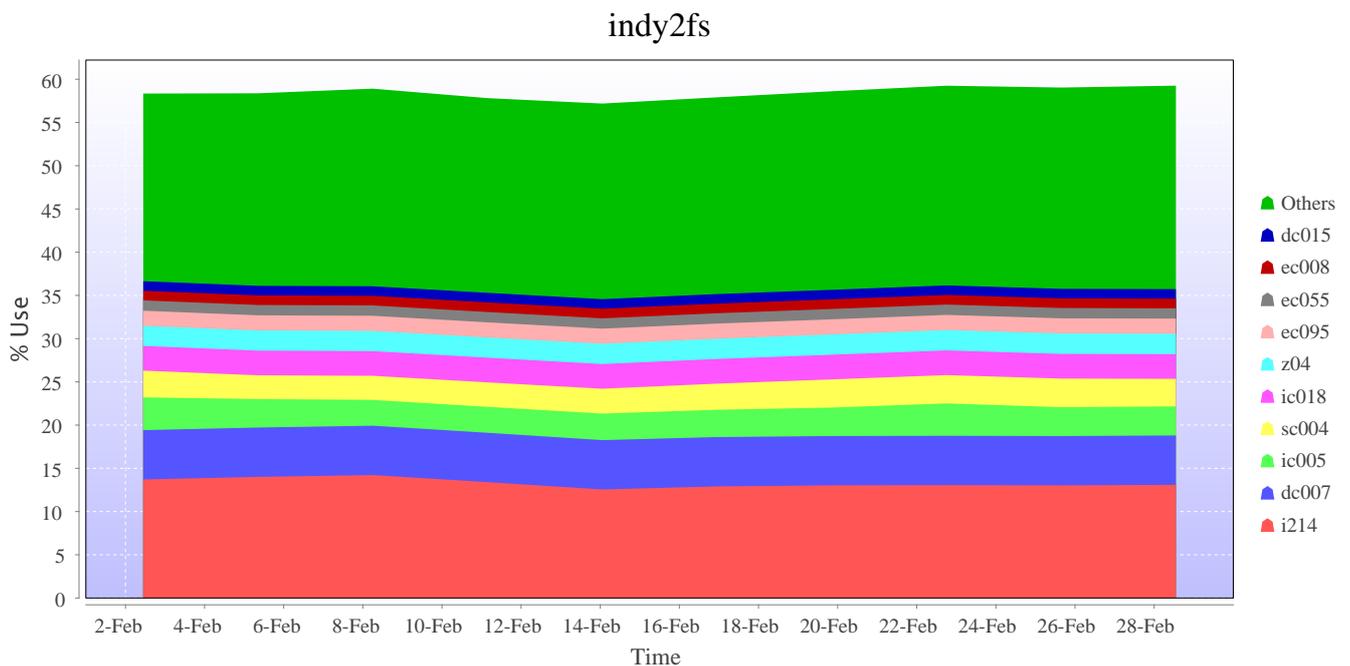
Disk usage for knlwork (fs5)

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.

