

Monthly Reporting

Report from 12 June 2023 to 30 June 2023

Report for Resource Pool Archer2 on archer2

A total of 2,666,688 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.

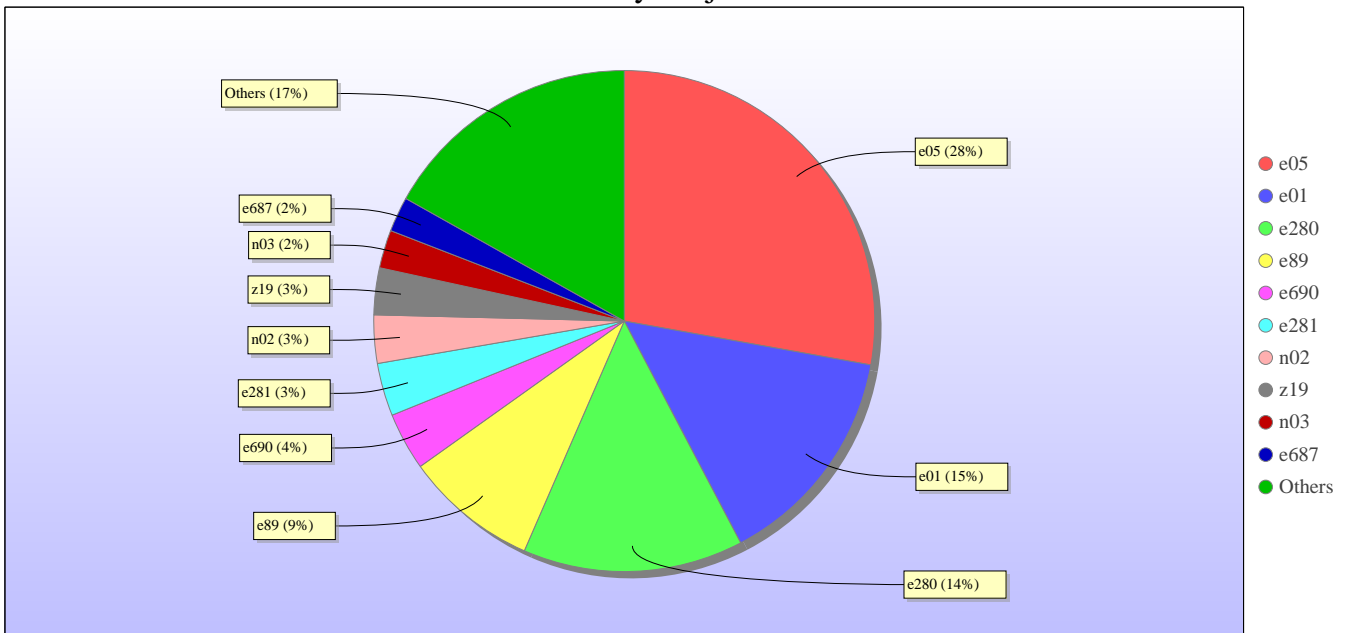
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e572	Leadership Awards	226	62.7	0.00%	62.7	0.00%	1,110.0	0.04%
e645	Leadership Awards	22	7.3	0.00%	7.3	0.00%	10,957.0	0.41%
e684	Leadership Awards	14	9.2	0.00%	9.2	0.00%	497.2	0.02%
e786	Leadership Awards	0	0.0	0.00%	0.0	0.00%	4,946.1	0.19%
e787	Leadership Awards	17	10,770.2	0.40%	10,770.2	0.40%	817.9	0.03%
e683	Pioneer Projects	346	1,989.9	0.07%	1,989.9	0.07%	7,458.1	0.28%
e685	Pioneer Projects	49	0.0	0.00%	5,376.4	0.20%	661.9	0.02%
e686	Pioneer Projects	856	4,740.6	0.18%	14,462.6	0.54%	9,860.4	0.37%
e687	Pioneer Projects	82	44,125.3	1.65%	47,969.1	1.80%	11,689.1	0.44%
e688	Pioneer Projects	341	20,493.2	0.77%	20,536.0	0.77%	17,816.0	0.67%
e689	Pioneer Projects	8	0.0	0.00%	0.0	0.00%	12,370.4	0.46%
e690	Pioneer Projects	222	12,549.2	0.47%	79,154.0	2.97%	13,446.0	0.50%
e691	Pioneer Projects	35	7,352.3	0.28%	7,352.3	0.28%	13,708.5	0.51%
e692	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	8,244.4	0.31%
c01	Class1a	805	9,234.9	0.35%	12,852.5	0.48%	15,070.7	0.57%
e348	Class1a	1,112	5,128.7	0.19%	5,131.6	0.19%	7,511.9	0.28%
e575	Class1a	150	1,288.1	0.05%	1,288.1	0.05%	1,420.8	0.05%
e607	Class1a	846	2,718.2	0.10%	15,086.4	0.57%	5,220.4	0.20%
e609	Class1a	513	2,316.4	0.09%	3,779.5	0.14%	10,143.7	0.38%
e647	Class1a	516	651.4	0.02%	655.3	0.02%	20,471.2	0.77%
e649	Class1a	0	0.0	0.00%	0.0	0.00%	515.3	0.02%
e663	Class1a	309	2,025.8	0.08%	2,025.8	0.08%	1,614.5	0.06%
e664	Class1a	0	0.0	0.00%	0.0	0.00%	426.8	0.02%
e667	Class1a	2	0.4	0.00%	0.4	0.00%	1,094.7	0.04%
e694	Class1a	0	0.0	0.00%	0.0	0.00%	1,507.5	0.06%
e696	Class1a	62	163.9	0.01%	164.0	0.01%	238.1	0.01%
e697	Class1a	72	257.1	0.01%	23,612.2	0.89%	4,668.7	0.18%
e700	Class1a	4	192.0	0.01%	192.0	0.01%	1,479.1	0.06%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e701	Class1a	0	0.0	0.00%	0.0	0.00%	1,045.0	0.04%
e705	Class1a	36	815.6	0.03%	815.6	0.03%	1,830.8	0.07%
e707	Class1a	2	48.0	0.00%	48.0	0.00%	5,856.9	0.22%
e708	Class1a	0	0.0	0.00%	0.0	0.00%	1,065.6	0.04%
e710	Class1a	111	68.1	0.00%	84.6	0.00%	2,063.3	0.08%
e712	Class1a	0	0.0	0.00%	0.0	0.00%	6,194.2	0.23%
e720	Class1a	166	8,693.5	0.33%	8,896.4	0.33%	12,008.8	0.45%
e721	Class1a	0	0.0	0.00%	0.0	0.00%	1,464.7	0.05%
e728	Class1a	47	104.7	0.00%	104.7	0.00%	1,261.2	0.05%
e751	Class1a	10	0.1	0.00%	0.1	0.00%	2,687.4	0.10%
e752	Class1a	0	0.0	0.00%	0.0	0.00%	1,864.1	0.07%
e758	Class1a	0	0.0	0.00%	0.0	0.00%	2,373.6	0.09%
e761	Class1a	78	0.0	0.00%	25,656.1	0.96%	782.0	0.03%
e763	Class1a	0	0.0	0.00%	0.0	0.00%	89.6	0.00%
e764	Class1a	16	69.6	0.00%	69.6	0.00%	10,461.3	0.39%
e769	Class1a	47	657.8	0.02%	657.8	0.02%	17,753.6	0.67%
e793	Class1a	0	0.0	0.00%	0.0	0.00%	7.8	0.00%
e6337	Class1a	0	0.0	0.00%	0.0	0.00%	854.4	0.03%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	532.8	0.02%
e01	Consortia	3,296	258,398.3	9.69%	308,149.0	11.56%	183,780.5	6.89%
e05	Consortia	34,616	531,759.8	19.94%	590,601.1	22.15%	414,586.2	15.55%
e89	Consortia	13,512	162,787.3	6.10%	182,984.0	6.86%	233,302.3	8.75%
e280	Consortia	3,204	99,298.2	3.72%	302,164.3	11.33%	112,050.3	4.20%
e281	Consortia	3,194	72,261.5	2.71%	72,575.2	2.72%	54,021.6	2.03%
e283	Consortia	1,834	24,022.0	0.90%	24,716.3	0.93%	26,892.1	1.01%
e585	Consortia	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
e772	Consortia	2,475	37,337.8	1.40%	37,375.6	1.40%	31,119.2	1.17%
e773	Consortia	106	2,420.1	0.09%	2,420.1	0.09%	6,143.8	0.23%
e766	Pump Priming	33	48.0	0.00%	759.1	0.03%	245.2	0.01%
e771	Pump Priming	0	0.0	0.00%	0.0	0.00%	56.3	0.00%
e784	Pump Priming	0	0.0	0.00%	0.0	0.00%	352.8	0.01%
e785	Pump Priming	0	0.0	0.00%	0.0	0.00%	329.4	0.01%
e788	Pump Priming	0	0.0	0.00%	0.0	0.00%	318.0	0.01%
e789	Pump Priming	0	0.0	0.00%	0.0	0.00%	635.1	0.02%
e790	Pump Priming	0	0.0	0.00%	0.0	0.00%	351.8	0.01%
e791	Pump Priming	5	1,523.0	0.06%	1,523.0	0.06%	333.3	0.01%
e792	Pump Priming	70	1,107.9	0.04%	1,107.9	0.04%	333.3	0.01%
e794	Pump Priming	0	0.0	0.00%	0.0	0.00%	349.6	0.01%
ta113	Training	0	0.0	0.00%	0.0	0.00%	206.5	0.01%
e507	Access to HPC	13	3,442.0	0.13%	3,442.0	0.13%	2,457.3	0.09%
e673	Access to HPC	0	0.0	0.00%	0.0	0.00%	1,792.8	0.07%
e677	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,904.7	0.11%
e703	Access to HPC	9	3,064.5	0.11%	3,064.5	0.11%	1,910.5	0.07%
e734	Access to HPC	7	4,033.2	0.15%	4,033.2	0.15%	4,482.0	0.17%
e742	Access to HPC	32	1,139.4	0.04%	1,139.7	0.04%	1,120.5	0.04%
e743	Access to HPC	159	4,084.9	0.15%	4,084.9	0.15%	7,101.4	0.27%
e745	Access to HPC	213	0.0	0.00%	280.4	0.01%	197.5	0.01%
e747	Access to HPC	33	546.3	0.02%	546.3	0.02%	31,539.1	1.18%
e748	Access to HPC	120	11,815.9	0.44%	13,489.7	0.51%	13,320.4	0.50%
e755	Access to HPC	24	8,042.6	0.30%	8,324.5	0.31%	3,958.5	0.15%
e774	Access to HPC	24	750.1	0.03%	750.1	0.03%	5,178.2	0.19%
e775	Access to HPC	0	0.0	0.00%	0.0	0.00%	8,334.9	0.31%
e776	Access to HPC	157	2,582.2	0.10%	2,582.2	0.10%	3,083.9	0.12%
e777	Access to HPC	41	1.8	0.00%	1,914.0	0.07%	3,750.7	0.14%
e778	Access to HPC	38	63.4	0.00%	63.4	0.00%	4,434.1	0.17%
e779	Access to HPC	3	58.6	0.00%	58.6	0.00%	416.7	0.02%
e780	Access to HPC	55	704.8	0.03%	704.8	0.03%	3,333.9	0.13%
e781	Access to HPC	271	328.3	0.01%	328.3	0.01%	833.5	0.03%
e782	Access to HPC	0	0.0	0.00%	0.0	0.00%	487.5	0.02%
e783	Access to HPC	6	0.6	0.00%	0.6	0.00%	3,077.4	0.12%
EPSRC Total		70,672	1,368,156.6	51.31%	1,857,993.1	69.67%	1,424,287.0	53.41%
n01	Consortia	1,876	15,143.5	0.57%	15,236.2	0.57%	63,229.5	2.37%
n02	Consortia	39,921	65,636.1	2.46%	66,060.6	2.48%	263,248.6	9.87%

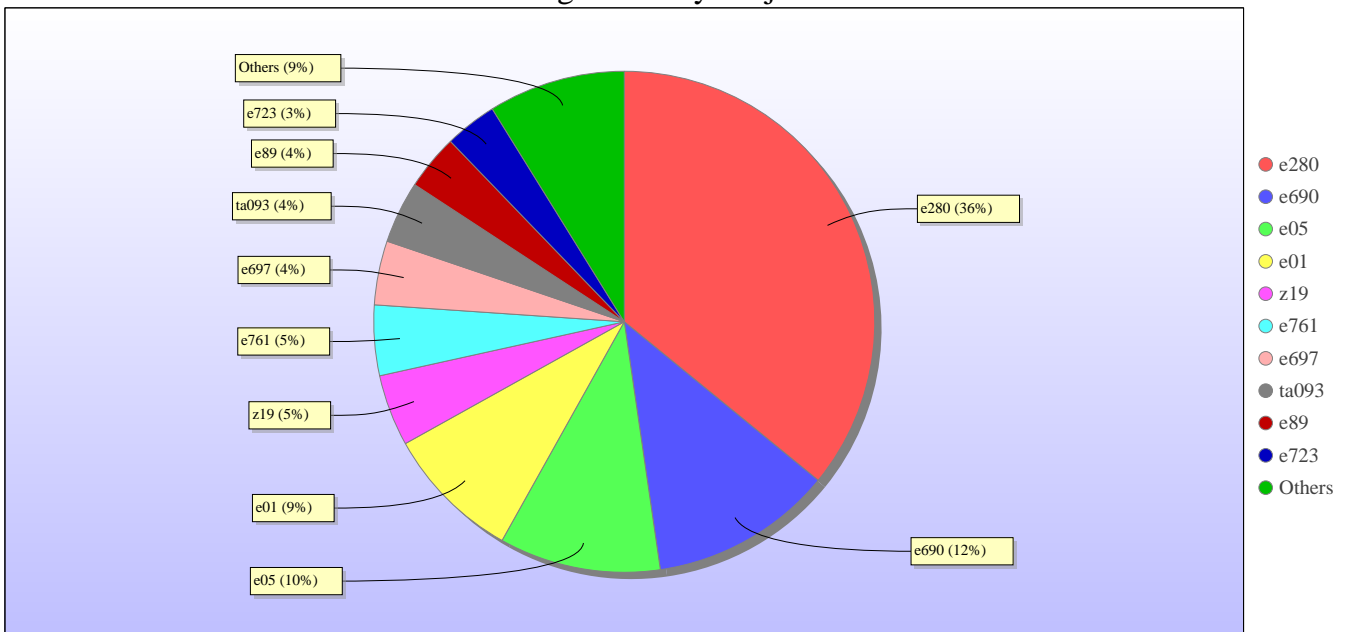
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n03	Consortia	1,470	48,469.0	1.82%	52,317.3	1.96%	44,125.7	1.65%
n09	Pump Priming	9	1.1	0.00%	1.1	0.00%	331.9	0.01%
NERC Total		43,276	129,249.7	4.85%	133,615.2	5.01%	370,935.8	13.91%
b19	Class1a	232	8,800.8	0.33%	8,869.9	0.33%	1,425.5	0.05%
BBSRC Total		232	8,800.8	0.33%	8,869.9	0.33%	1,425.5	0.05%
e756	Leadership Awards	186	162.0	0.01%	162.0	0.01%	5,563.9	0.21%
e760	Leadership Awards	36	145.4	0.01%	145.4	0.01%	265.2	0.01%
e723	Class1a	588	8,003.8	0.30%	27,046.5	1.01%	23,704.5	0.89%
e738	Class1a	0	0.0	0.00%	0.0	0.00%	9,225.2	0.35%
UKRI Total		810	8,311.2	0.31%	27,353.9	1.03%	38,758.8	1.45%
pr1ush02	DECI: HOME	14	135.8	0.01%	135.8	0.01%	1,229.5	0.05%
PRACE Total		14	135.8	0.01%	135.8	0.01%	1,229.5	0.05%
ecseaa26	eCSE	0	0.0	0.00%	0.0	0.00%	225.9	0.01%
ecseab03	eCSE	0	0.0	0.00%	0.0	0.00%	29.5	0.00%
ecseac14	eCSE	0	0.0	0.00%	0.0	0.00%	40.1	0.00%
ecsead08	eCSE	5	0.2	0.00%	0.2	0.00%	52.6	0.00%
ecseae03	eCSE	149	518.2	0.02%	1,802.9	0.07%	38.3	0.00%
ecseae04	eCSE	0	0.0	0.00%	0.0	0.00%	69.4	0.00%
ecseae08	eCSE	0	0.0	0.00%	0.0	0.00%	69.2	0.00%
ecseaf01	eCSE	0	0.0	0.00%	0.0	0.00%	50.9	0.00%
ecseaf02	eCSE	0	0.0	0.00%	0.0	0.00%	32.3	0.00%
ecseaf03	eCSE	17	0.5	0.00%	0.5	0.00%	31.1	0.00%
ecseaf04	eCSE	0	0.0	0.00%	0.0	0.00%	39.9	0.00%
ecseaf06	eCSE	0	0.0	0.00%	0.0	0.00%	61.8	0.00%
ecseag02	eCSE	4	0.1	0.00%	0.1	0.00%	53.4	0.00%
ecseag03	eCSE	0	0.0	0.00%	0.0	0.00%	38.6	0.00%
ecseag06	eCSE	46	0.6	0.00%	0.6	0.00%	26.4	0.00%
ecseag08	eCSE	0	0.0	0.00%	0.0	0.00%	35.8	0.00%
ecseag09	eCSE	0	0.0	0.00%	0.0	0.00%	38.4	0.00%
ecseah03	eCSE	0	0.0	0.00%	0.0	0.00%	73.8	0.00%
ecseah05	eCSE	0	0.0	0.00%	0.0	0.00%	33.3	0.00%
ecseah06	eCSE	0	0.0	0.00%	0.0	0.00%	67.2	0.00%
ecseah10	eCSE	0	0.0	0.00%	0.0	0.00%	65.9	0.00%
ecseah11	eCSE	0	0.0	0.00%	0.0	0.00%	44.8	0.00%
ecseah12	eCSE	61	4.0	0.00%	4.0	0.00%	58.8	0.00%
ecseai10	eCSE	0	0.0	0.00%	0.0	0.00%	9.3	0.00%
eCSE Total		282	523.6	0.02%	1,808.3	0.07%	1,286.7	0.05%
d35	Research	12	19.8	0.00%	19.8	0.00%	260.3	0.01%
d011	Research	169	4.1	0.00%	4.1	0.00%	107.6	0.00%
d114	Research	0	0.0	0.00%	0.0	0.00%	3,203.2	0.12%
d137	Research	19	0.1	0.00%	110.6	0.00%	1,033.4	0.04%
d142	Research	79	2,714.1	0.10%	2,714.1	0.10%	3,125.0	0.12%
d170	Research	0	0.0	0.00%	0.0	0.00%	31.5	0.00%
d175	Research	0	0.0	0.00%	0.0	0.00%	1,038.0	0.04%
d183	Research	0	0.0	0.00%	0.0	0.00%	5.2	0.00%
d193	Research	24	76.3	0.00%	76.3	0.00%	208.2	0.01%
d435	Research	199	412.2	0.02%	438.0	0.02%	260.3	0.01%
d436	Research	0	0.0	0.00%	0.0	0.00%	208.2	0.01%
dc129	Research	174	57.1	0.00%	57.1	0.00%	2,099.9	0.08%
d105	Industrial	0	0.0	0.00%	0.0	0.00%	2,099.9	0.08%
d190	Industrial	0	0.0	0.00%	0.0	0.00%	438.4	0.02%
d433	Industrial	4	1.7	0.00%	1.7	0.00%	52.5	0.00%
d434	Industrial	0	0.0	0.00%	0.0	0.00%	9.6	0.00%
i01	Industrial	32	2,198.8	0.08%	2,198.8	0.08%	437.7	0.02%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	1,441.0	0.05%
i21	Industrial	25	0.3	0.00%	0.3	0.00%	10,499.7	0.39%
i24	Industrial	0	0.0	0.00%	0.0	0.00%	21.0	0.00%
i25	Industrial	0	0.0	0.00%	0.0	0.00%	52.5	0.00%
i26	Industrial	2	0.0	0.00%	0.0	0.00%	262.5	0.01%
i219	Industrial	30	5.9	0.00%	5.9	0.00%	20.8	0.00%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	315.0	0.01%

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i239	Industrial	0	0.0	0.00%	0.0	0.00%	512.7	0.02%
i241	Industrial	0	0.0	0.00%	0.0	0.00%	1,439.1	0.05%
i242	Industrial	86	50.6	0.00%	50.6	0.00%	347.6	0.01%
i243	Industrial	0	0.0	0.00%	0.0	0.00%	148.1	0.01%
i244	Industrial	0	0.0	0.00%	0.0	0.00%	1,196.5	0.04%
m22oc	Training	648	415.5	0.02%	1,406.3	0.05%	240.5	0.01%
m22ol	Training	0	0.0	0.00%	0.0	0.00%	240.5	0.01%
m23ss	Training	0	0.0	0.00%	0.0	0.00%	37.5	0.00%
m22ext	Training	0	0.0	0.00%	0.0	0.00%	96.2	0.00%
mdisspt	Training	0	0.0	0.00%	0.0	0.00%	91.1	0.00%
m22exts1	Training	0	0.0	0.00%	0.0	0.00%	48.1	0.00%
ta067	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta068	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta069	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta070	Training	18	145.5	0.01%	145.5	0.01%	373.8	0.01%
ta084	Training	4	0.0	0.00%	0.0	0.00%	468.1	0.02%
ta085	Training	0	0.0	0.00%	0.0	0.00%	23.4	0.00%
ta086	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta087	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta093	Training	110	1.0	0.00%	22,644.1	0.85%	458.9	0.02%
ta094	Training	254	19.7	0.00%	458.6	0.02%	1,563.9	0.06%
ta095	Training	0	0.0	0.00%	0.0	0.00%	39.1	0.00%
ta096	Training	36	0.2	0.00%	0.2	0.00%	39.1	0.00%
ta097	Training	0	0.0	0.00%	0.0	0.00%	39.1	0.00%
ta109	Training	175	11.1	0.00%	11.1	0.00%	310.8	0.01%
ta110	Training	2	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta111	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta112	Training	0	0.0	0.00%	0.0	0.00%	11.7	0.00%
ta114	Training	467	0.9	0.00%	2.1	0.00%	53.1	0.00%
d191	Service	0	0.0	0.00%	0.0	0.00%	2.6	0.00%
d194	Service	0	0.0	0.00%	0.0	0.00%	42.0	0.00%
y01	Service	28	0.0	0.00%	0.0	0.00%	45.9	0.00%
y02	Service	73	5.5	0.00%	54.9	0.00%	2,602.7	0.10%
y07	Service	5	0.0	0.00%	0.2	0.00%	50.8	0.00%
y23	Service	43	0.8	0.00%	0.8	0.00%	52.1	0.00%
z01	Service	0	0.0	0.00%	0.0	0.00%	5.1	0.00%
z02	Service	74	1.8	0.00%	1.8	0.00%	5.2	0.00%
z19	Service	5,739	38,085.4	1.43%	64,161.7	2.41%	51,912.6	1.95%
z40	Service	0	0.0	0.00%	0.0	0.00%	103.2	0.00%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.5	0.00%
DirectorsTime Total		8,531	44,228.2	1.66%	94,564.3	3.55%	89,914.9	3.37%
Total		123,817	1,559,406.0	58.48%	2,124,340.5	79.66%	1,927,838.2	72.29%

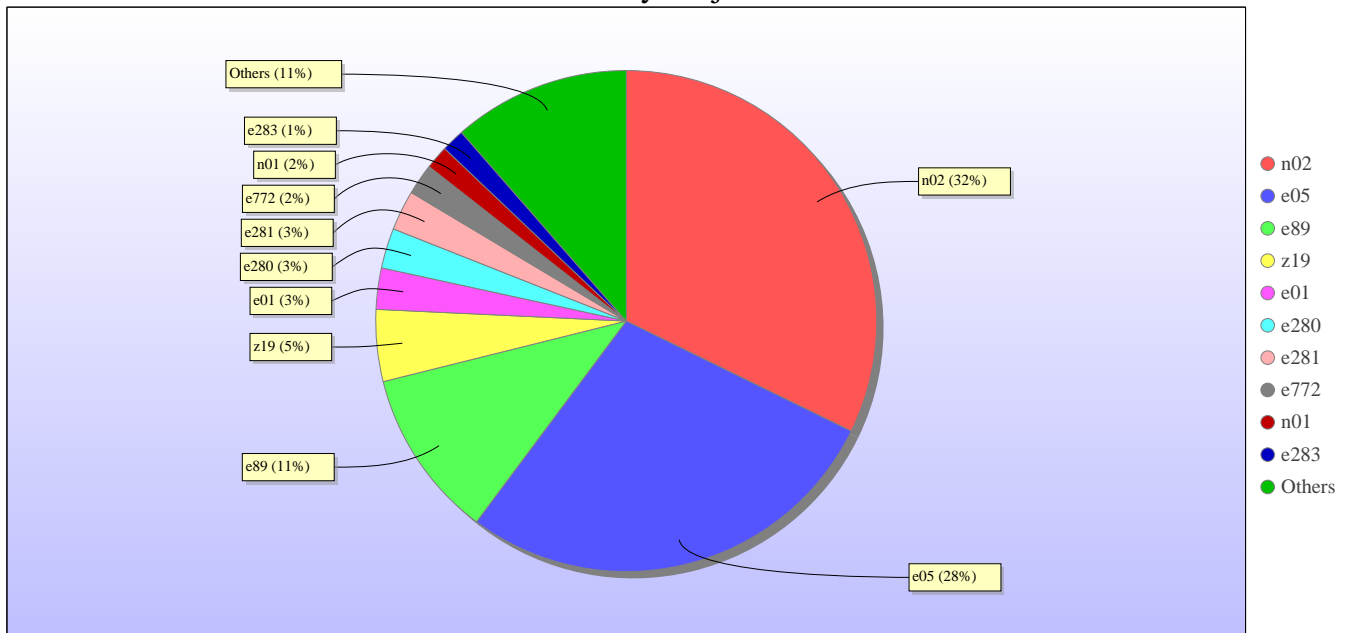
Use by Project



Uncharged Use by Project



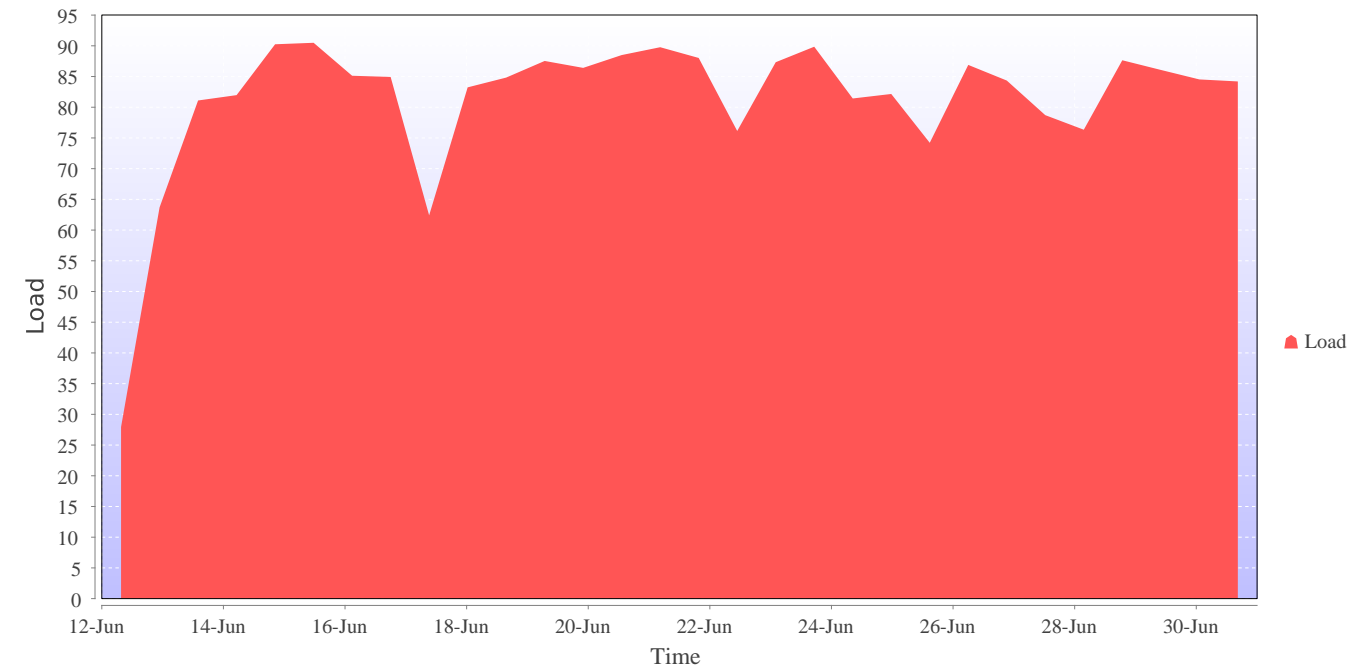
Jobs by Project



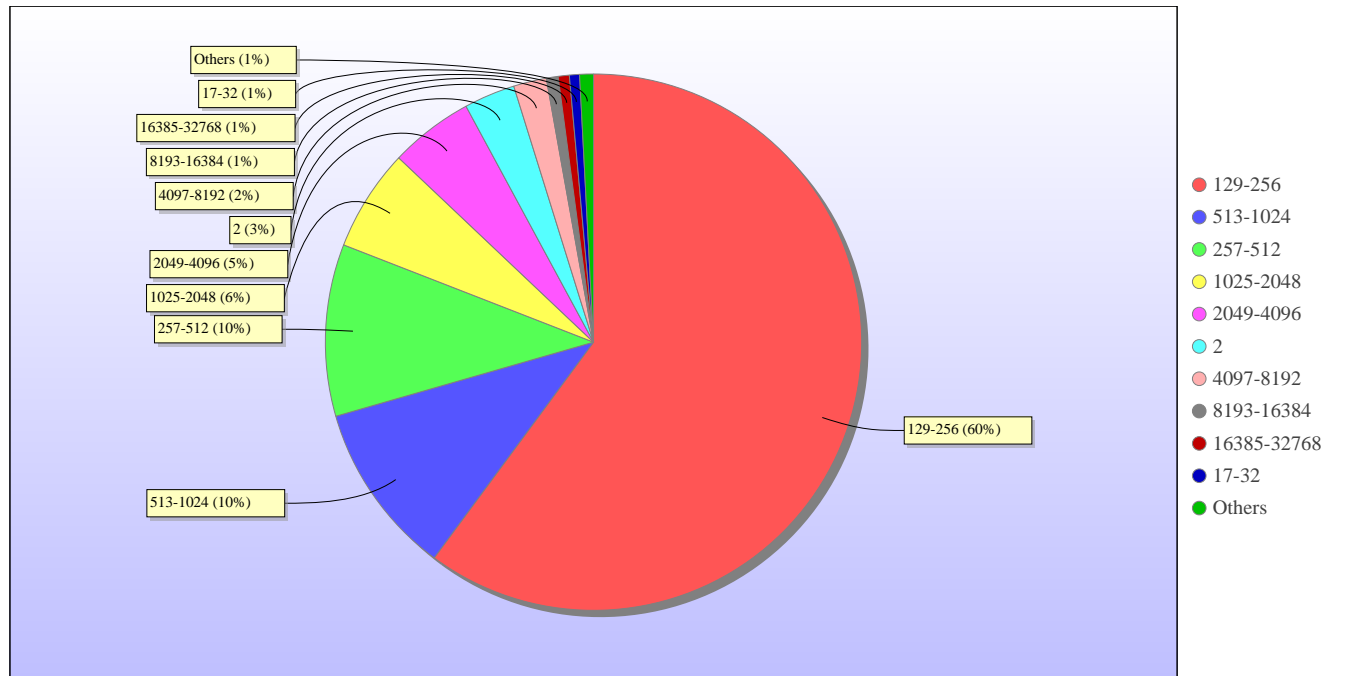
CUs (by Size)

Size	CUs	Number of Jobs
2	0	3,813
3-4	0	69
5-8	0	301
9-16	0	81
17-32	0	756
33-64	0	1
65-128	0	1
129-256	83,259.577	74,446
257-512	95,995.504	12,832
513-1024	155,461.118	12,901
1025-2048	184,378.203	7,616
2049-4096	394,184.803	6,257
4097-8192	215,680.069	2,461
8193-16384	143,904.838	878
16385-32768	136,167.372	830
32769-65536	87,673.224	448
65537-131072	28,009.605	76
131073-262144	34,418.595	45
262145-524288	273.067	3
524289-1048576	0	2

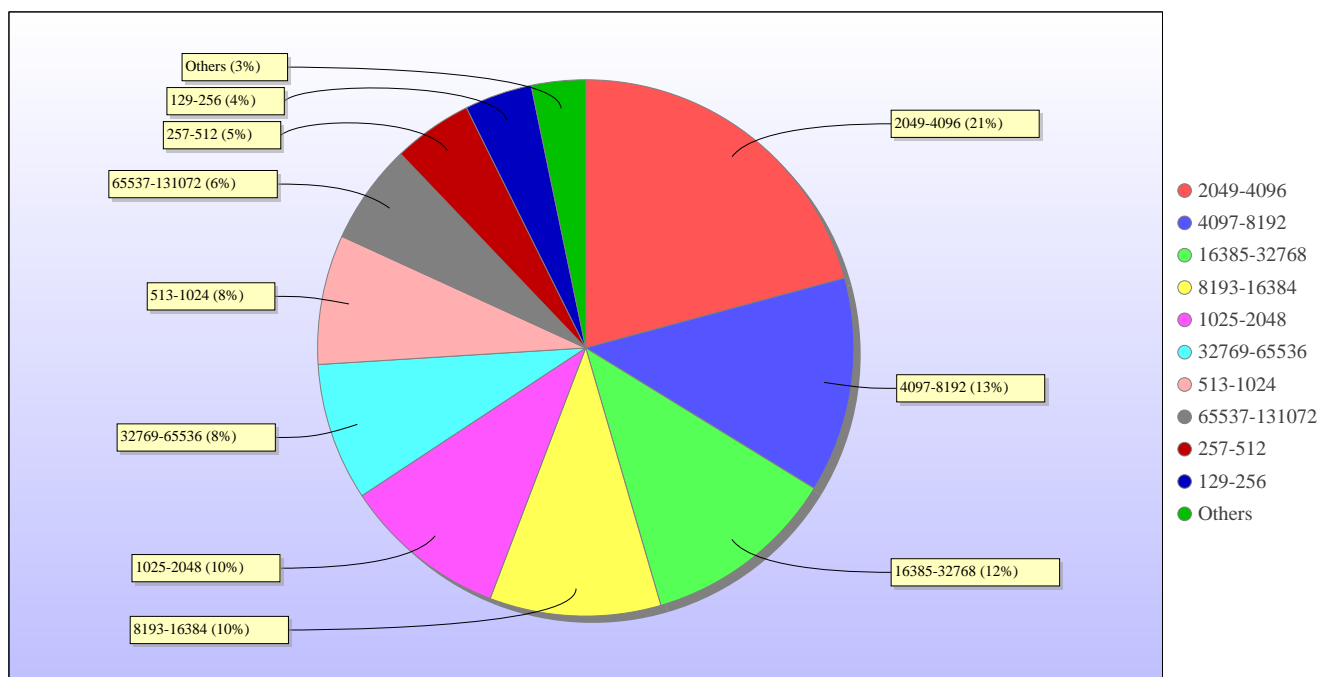
Load plots



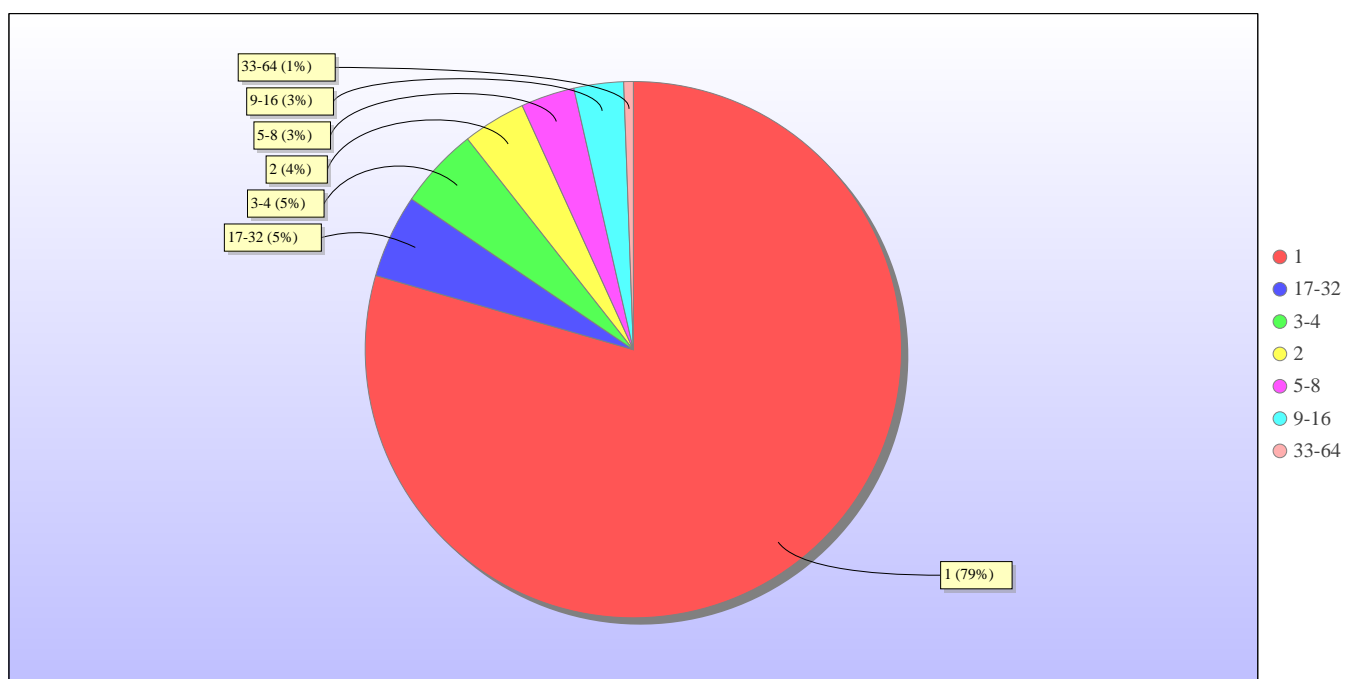
Percentage load on machine



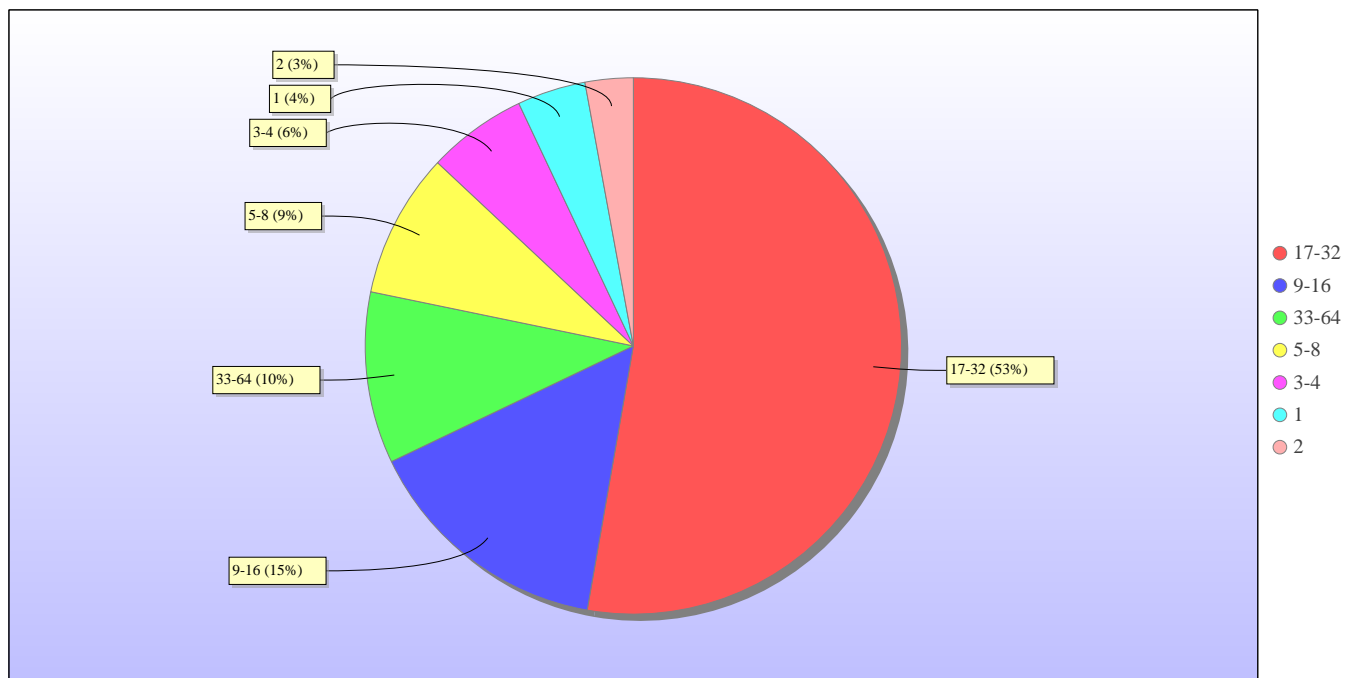
Jobs by Size



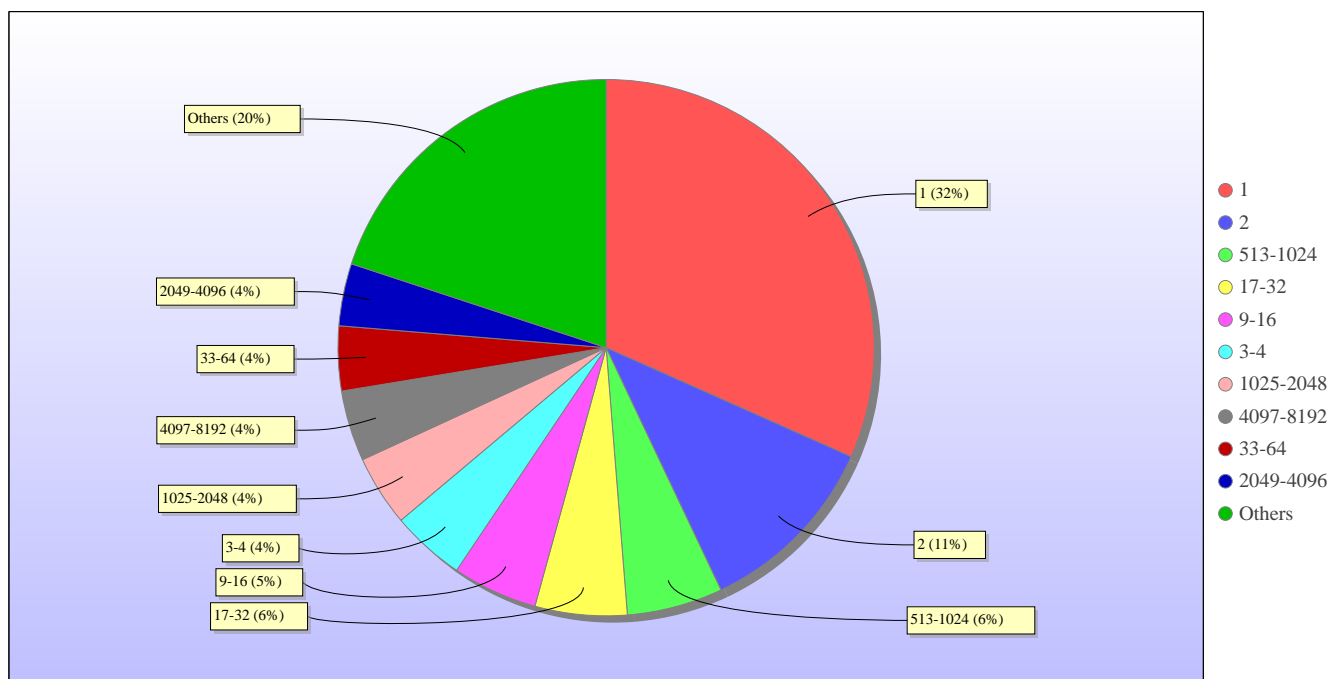
CUs used by Size



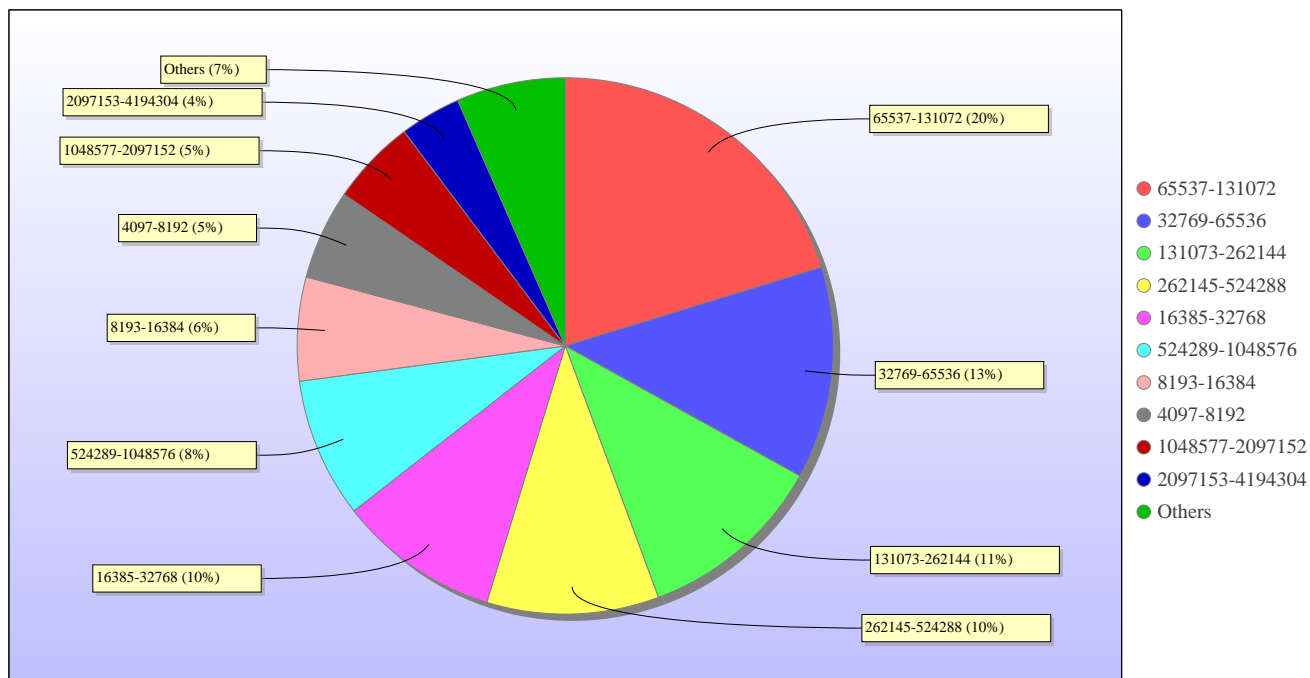
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

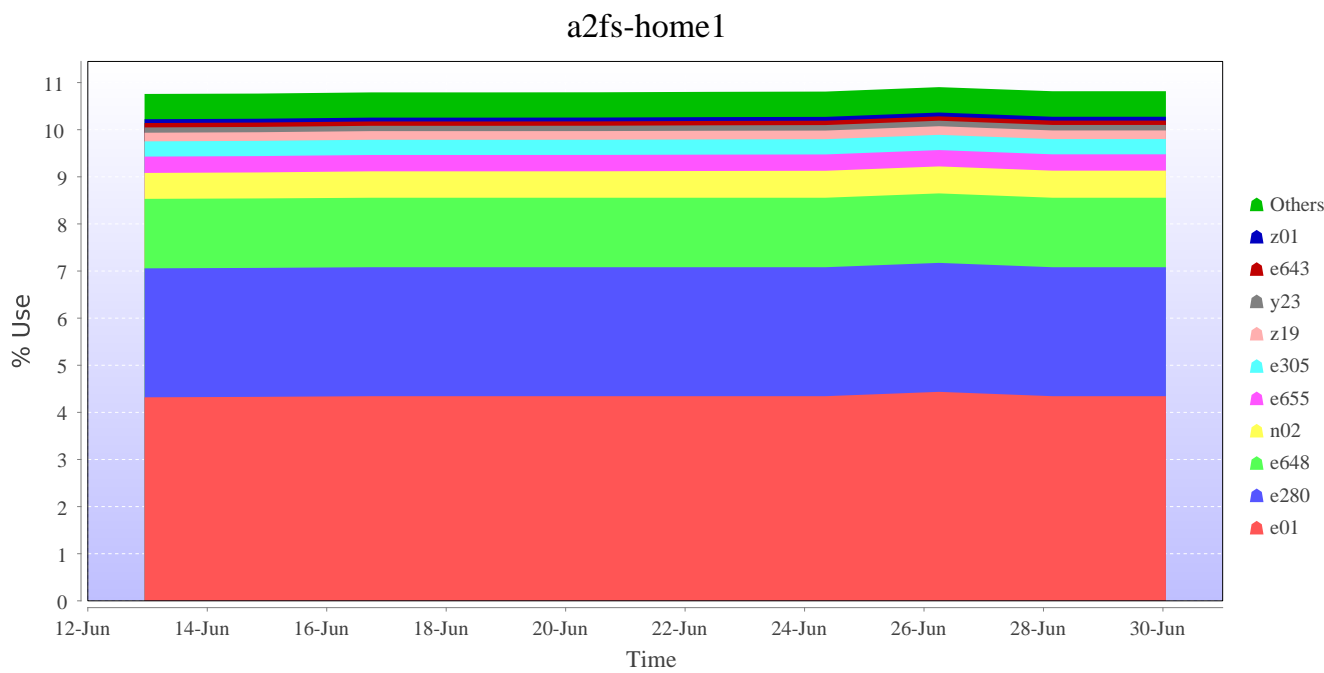


CUs used grouped by core-hours

Disk usage

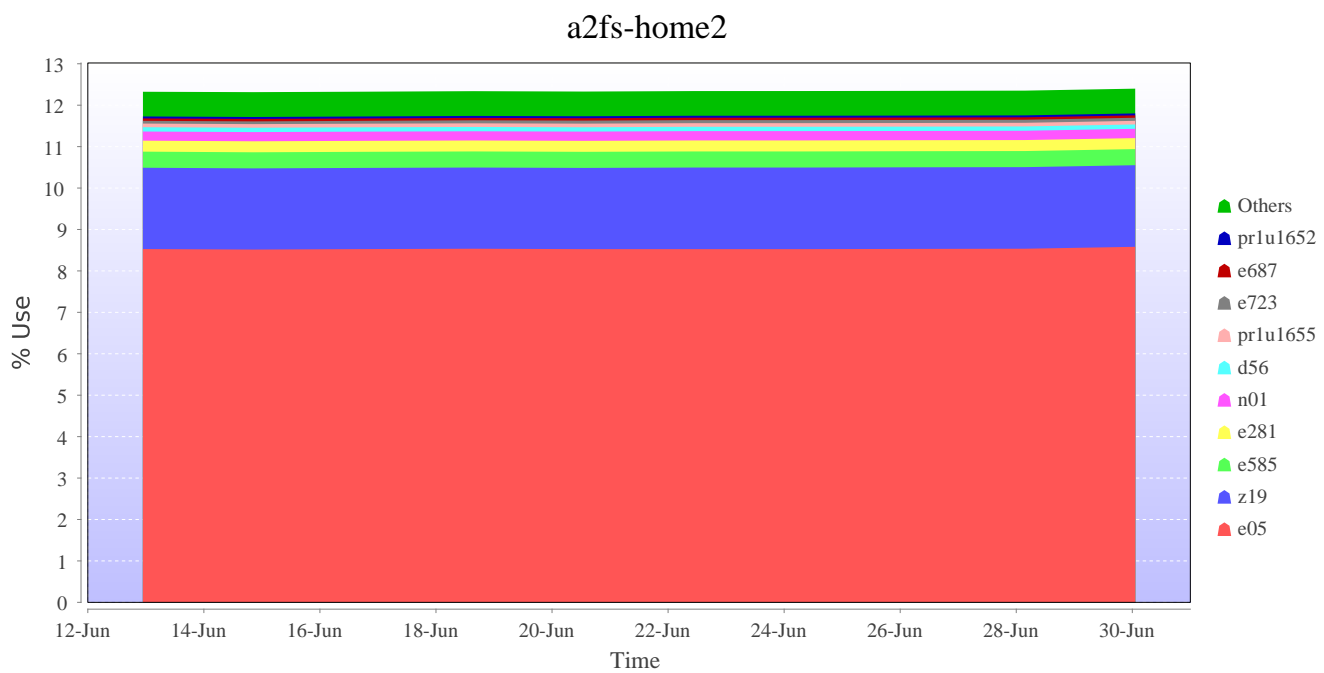
Disk usage for home (a2fs-home1)

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.



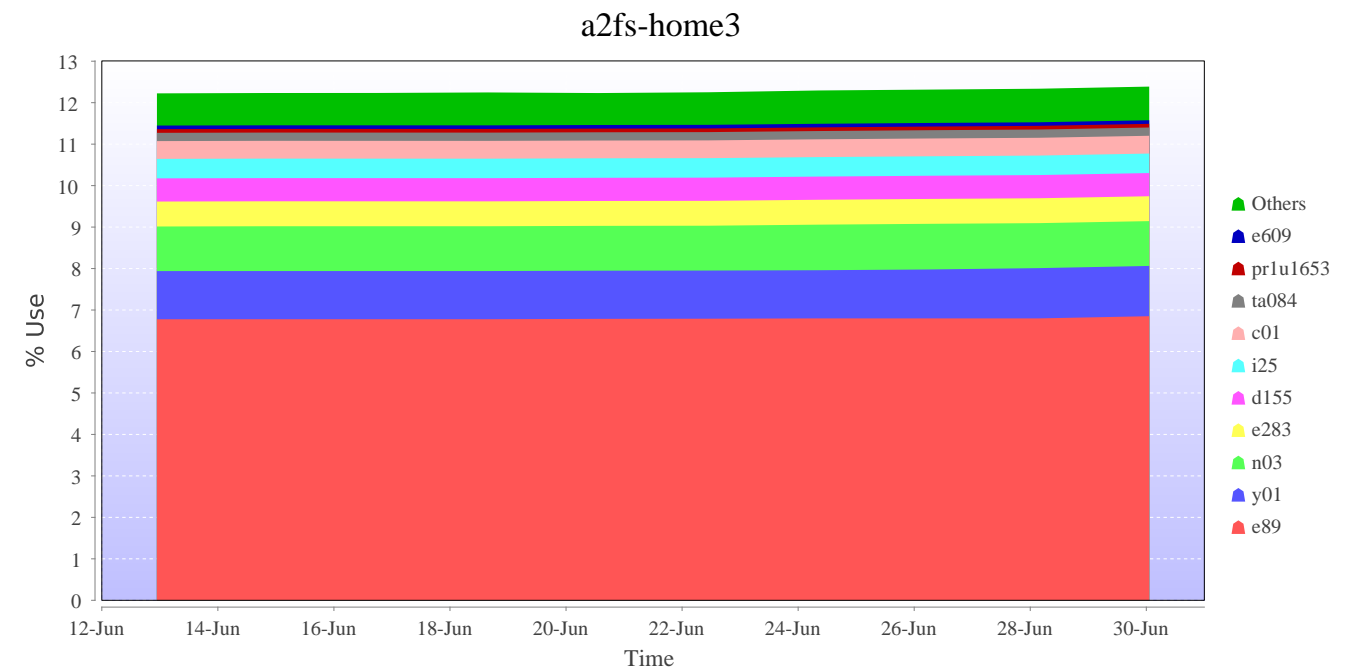
Disk usage for home (a2fs-home2)

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.



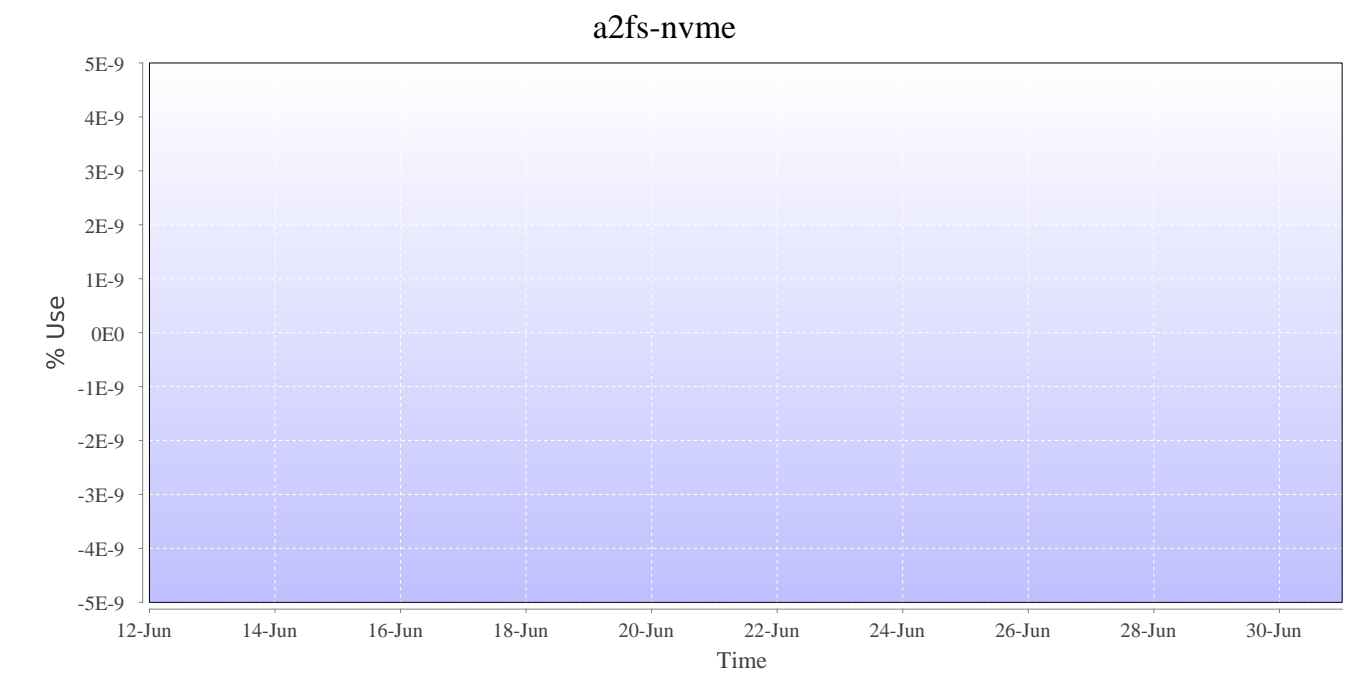
Disk usage for home (a2fs-home3)

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.



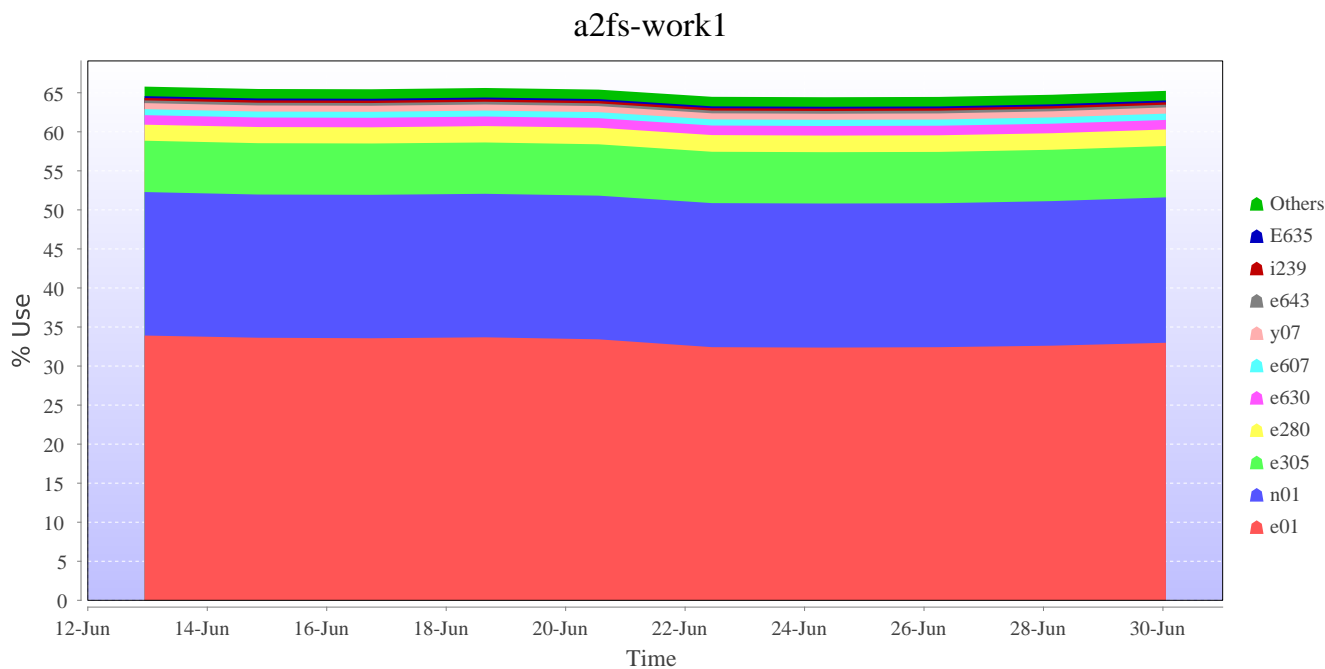
Disk usage for work-nVME (a2fs-nvme)

This is a plot of Disk Use on a2fs-nvme 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.



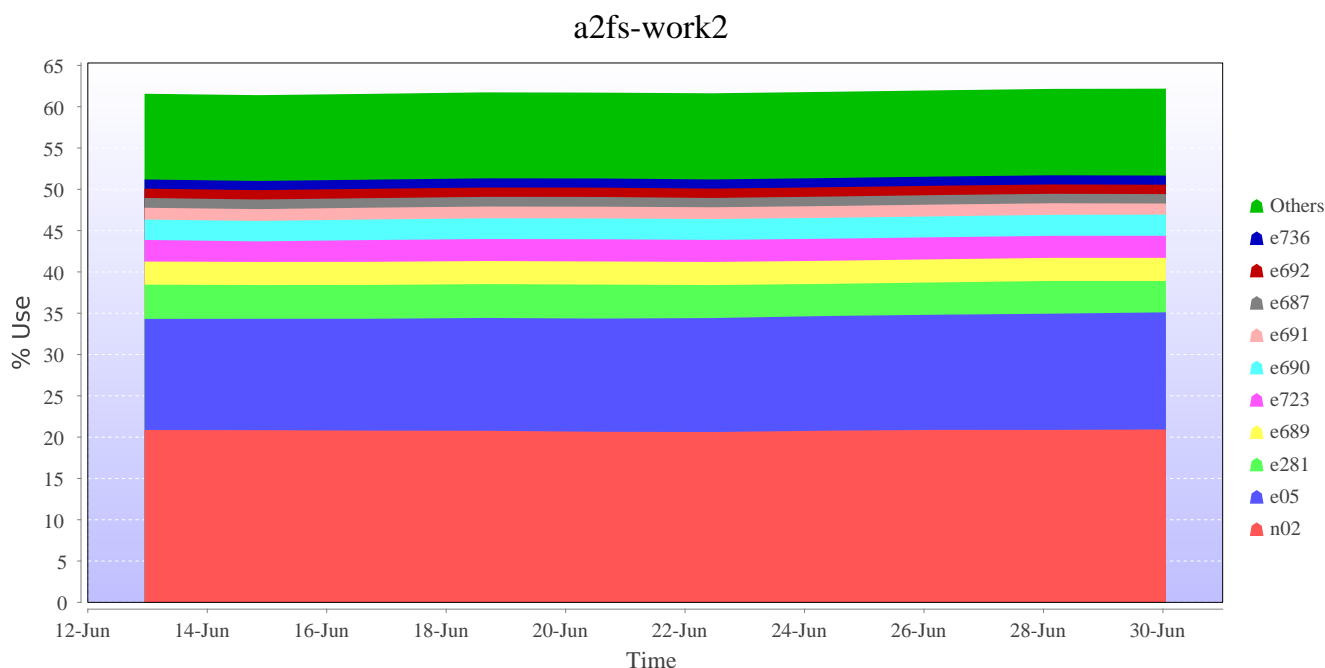
Disk usage for work (a2fs-work1)

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.



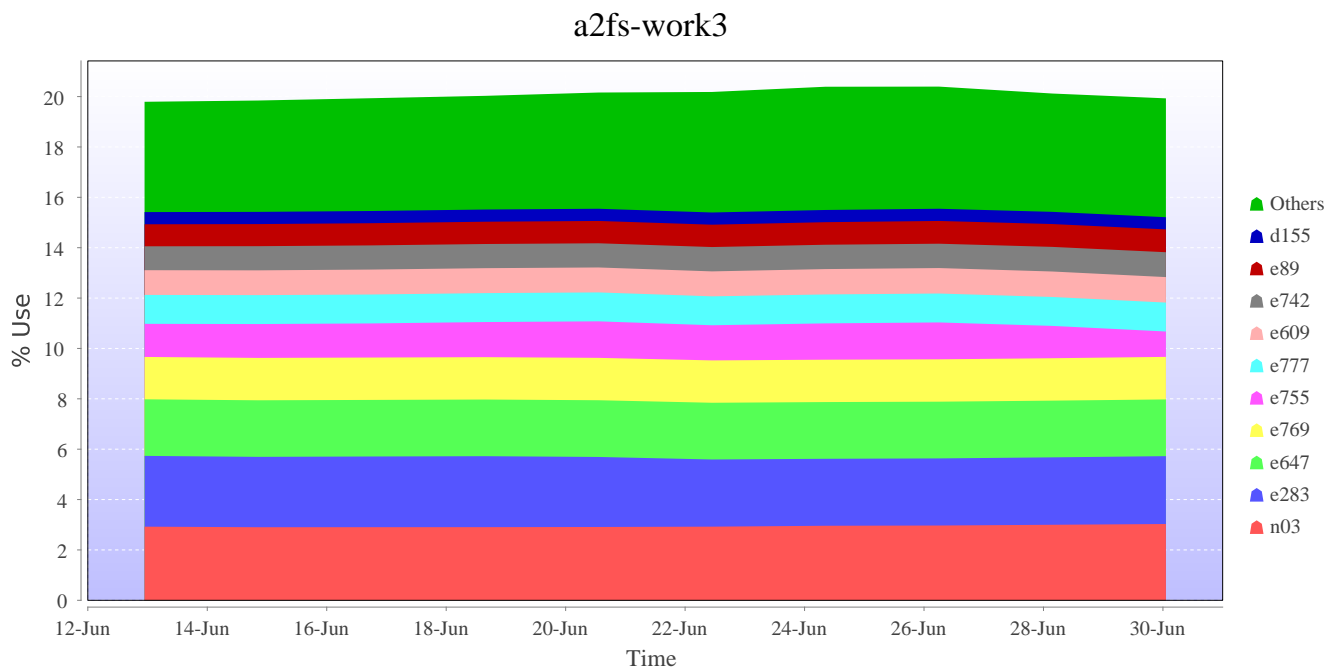
Disk usage for work (a2fs-work2)

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.



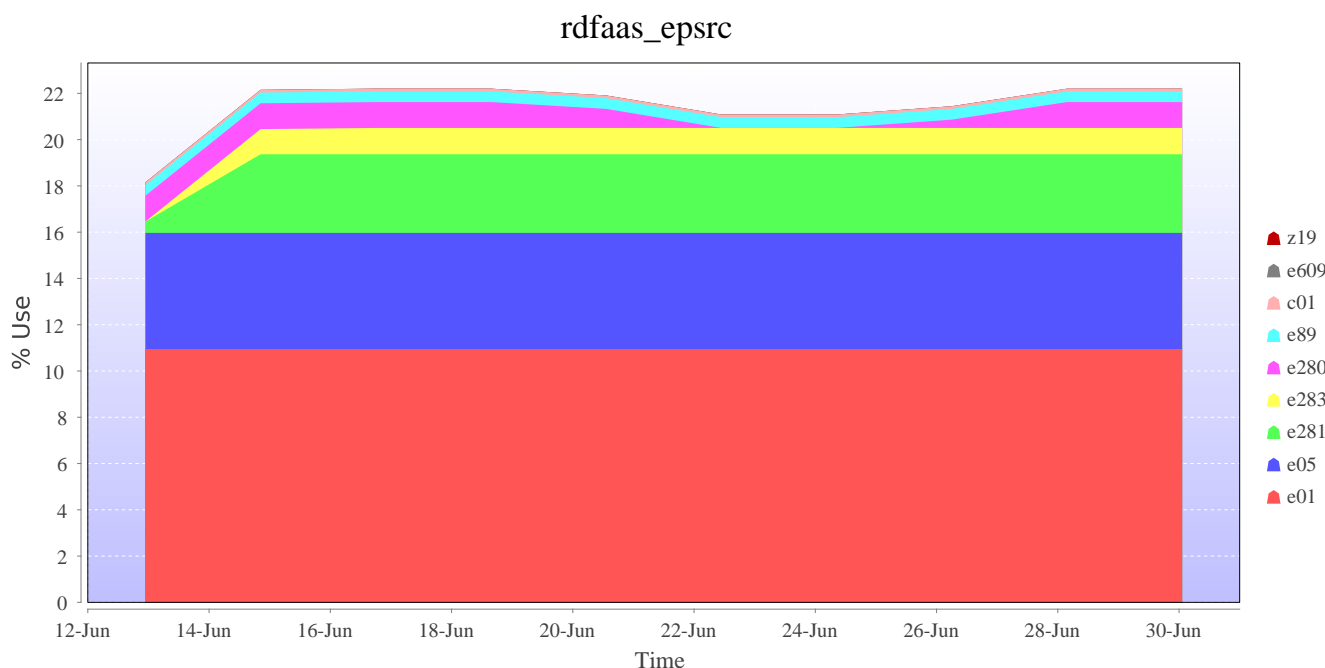
Disk usage for work (a2fs-work3)

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.

