Monthly Reporting

Report from 01 June 2024 to 30 June 2024

Report for Resource Pool Archer2 on archer2

A total of 4,210,560 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.

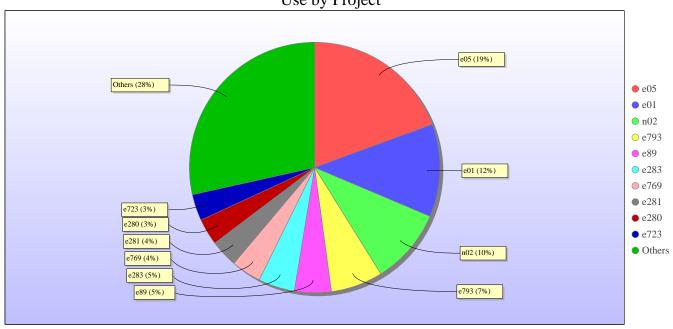
Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
e645	Leadership	3	5.3	0.00%	5.3	0.00%	20,911.8	0.50%
	Awards							
e760	Leadership	35	9.0	0.00%	9.0	0.00%	642.5	0.02%
	Awards							
e786	Leadership	132	2,489.5	0.06%	2,489.5	0.06%	9,295.6	0.22%
	Awards							
e787	Leadership	210	58,678.8	1.39%	58,678.8	1.39%	40,764.2	0.97%
	Awards							
e686	Pioneer	811	12,650.8	0.30%	13,684.3	0.32%	11,328.9	0.27%
	Projects							
e731	Pioneer	2,086	7,020.4	0.17%	7,020.4	0.17%	24,730.9	0.59%
	Projects							
e744	Pioneer	170	3,389.8	0.08%	3,389.8	0.08%	16,698.3	0.40%
	Projects					0.0001	10.001.0	
e808	Pioneer	364	15,379.9	0.37%	16,570.5	0.39%	12,231.6	0.29%
	Projects					0.0=0/		
e809	Pioneer	48	11,472.7	0.27%	11,472.7	0.27%	26,379.7	0.63%
	Projects	100		2.224		0.4504		
e810	Pioneer	108	96,868.0	2.30%	102,978.3	2.45%	32,545.9	0.77%
2.12	Projects			2.224		2.224		
e812	Pioneer	73	9,520.5	0.23%	9,520.5	0.23%	14,442.9	0.349
-040	Projects	500	0.040.4	0.070/	0.040.4	0.070/	0.4.700.0	0.500
e813	Pioneer	599	2,942.1	0.07%	2,942.1	0.07%	24,730.9	0.59%
-04.4	Projects	0.5	70.0	0.000/	70.0	0.000/	0.4.700.0	0.500
e814	Pioneer	35	70.3	0.00%	70.3	0.00%	24,730.9	0.59%
-045	Projects	404	2.704.0	0.000/	0.704.0	0.000/	04.700.0	0.500
e815	Pioneer	121	3,701.6	0.09%	3,701.6	0.09%	21,763.2	0.52%
- 0.4.7	Projects	000	04.050.5	0.700/	04 000 4	0.700/	75 470 0	4 700
e817	Pioneer Projects	209	31,856.5	0.76%	31,863.1	0.76%	75,478.8	1.79%
c01	Class1a	878	34,650.4	0.82%	45,747.6	1.09%	22,361.3	0.53%
e348	Class 1a	8,282	26,884.4		26,924.5		30,346.5	
		,	•				,	
e609	Class1a	1,148	4,660.4		8,447.6		13,637.6	
e643	Class1a	235	13,712.4	0.33%	13,712.4		19,784.7	
e647	Class1a	40	3,573.0		3,587.3		14,309.1	0.349
e694	Class1a	0	0.0		0.0		2,772.7	
e697	Class1a	0	0.0	0.00%	0.0		3,498.8	
e701	Class1a	0	0.0	0.00%	0.0		840.9	
e705	Class1a	19	454.5		454.5		3,597.9	
e707	Class1a	0	0.0	0.00%	0.0		10,878.3	
e710	Class1a	68	298.0	0.01%	298.0		3,504.0	
e712	Class1a	27	4,107.9	0.10%	4,107.9	0.10%	16,300.7	0.39%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e720	Class1a	678	46,870.2	1.11%	48,293.0	1.15%	35,612.5	0.85%
e721	Class1a	72	422.4	0.01%	423.7	0.01%	2,172.9	0.05%
e728	Class1a	92	794.6		794.6	0.02%	1,894.0	0.04%
e751	Class1a	135	510.7		6,331.0	0.15%	4,942.9	0.12%
e752	Class1a	342	1,185.1	0.03%	1,185.1	0.03%	3,423.1	0.08%
e758	Class1a	32	10,745.3		12,335.0	0.29%	4,506.1	0.11%
e763	Class1a	233	3,727.8		3,727.8	0.09%	4,946.2	0.12%
e764	Class1a	0	0.0		0.0	0.00%	7,244.9	0.17%
e767	Class1a	0	0.0		0.0	0.00%	11,475.4	0.27%
e769	Class1a	982	152,239.0		153,791.0	3.65%	32,974.6	0.78%
e770	Class1a	33	0.1		0.7	0.00%	11,415.6	0.27%
e793	Class1a	317	227,599.3		267,360.5	6.35%	41,218.2	0.98%
e820	Class1a	125	881.7		881.7	0.02%	15,226.3	0.36%
e821	Class1a	0	0.0		0.0	0.00%	3,441.8	0.08%
e835	Class1a	25	169.2		169.2	0.00%	9,254.9	0.22%
e838	Class1a	0	0.0		0.0	0.00%	8,150.3	0.19%
e855	Class1a	137	823.9		823.9	0.02%	8,109.9	0.19%
ec110	Class1a Consortia	0 5,315	0.0 425,575.2		0.0 476,113.1	0.00% 11.31%	1,147.5 338,022.4	0.03% 8.03%
e01 e05	Consortia	5,315 37,620	425,575.2 720,492.5		476,113.1 772,647.6	11.31% 18.35%	762,537.2	8.03% 18.11%
e05 e89	Consortia	12,281	163,275.4		189,080.5	4.49%	366,347.6	8.70%
	Consortia	5,511			·	3.22%		4.89%
e280 e281	Consortia	1,859	127,867.8 141,352.7		135,674.1 141,416.5	3.22%	206,091.1 108,816.1	2.58%
e283	Consortia	7,873	184,214.5		186,318.0	4.43%	59,684.0	1.42%
e772	Consortia	1,297	70,684.7	1.68%	71,009.8	1.69%	61,827.3	1.47%
e772	Consortia	1,067	48,301.5		49,028.0	1.16%	30,516.0	0.72%
e718	Pump Priming	0	0.0		0.0	0.00%	655.7	0.02%
e818	Pump Priming	0	0.0		0.0	0.00%	4,074.7	0.10%
e825	Pump Priming	52	454.2		454.2	0.01%	476.2	0.01%
e839	Pump Priming	0	0.0		0.0	0.00%	653.1	0.02%
e853	Pump Priming	0	0.0		0.0	0.00%	217.7	0.01%
e856	Pump Priming	25	235.9		235.9	0.01%	625.6	0.01%
e857	Pump Priming	31	24.3		24.3	0.00%	655.7	0.02%
e858	Pump Priming	2	0.0		9,603.2	0.23%	1.9	0.00%
e859	Pump Priming	1	0.0	0.00%	0.0	0.00%	599.9	0.01%
e703	Access to HPC	0	0.0	0.00%	0.0	0.00%	4,696.7	0.11%
e727	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,901.6	0.09%
e734	Access to HPC	76	2,099.5	0.05%	2,099.5	0.05%	8,408.3	0.20%
e742	Access to HPC	60	1,137.9	0.03%	1,157.8	0.03%	4,796.7	0.11%
e743	Access to HPC	8,695	30,990.1	0.74%	31,381.4	0.75%	16,426.2	0.39%
e755	Access to HPC	0	0.0	0.00%	0.0	0.00%		0.00%
	Access to HPC	0	0.0		0.0	0.00%	4,029.9	0.10%
	Access to HPC	93	4,649.4		4,686.1	0.11%	1,731.2	0.04%
	Access to HPC	448	8,209.0		8,209.0	0.19%	7,762.2	0.18%
	Access to HPC	106	36,410.4		36,651.2	0.87%	9,534.3	0.23%
	Access to HPC	52	3,572.2		3,583.1	0.09%	8,663.7	0.21%
	Access to HPC	153	32,992.2		37,313.1	0.89%	6,668.8	0.16%
	Access to HPC	69	1,415.2		1,415.2	0.03%	4,946.2	0.12%
	Access to HPC	50	4,258.9		4,258.9	0.10%	4,946.2	0.12%
	Access to HPC	106	14,752.2		14,752.2	0.35%	13,733.9	0.33%
	Access to HPC Access to HPC	35	2,396.0		2,396.0	0.06%	4,940.3	0.12%
	Access to HPC	0	0.0 219.6		0.0 219.6	0.00% 0.01%	6,077.9 17,091.9	0.14% 0.41%
	Access to HPC	34 31	62.2		62.2	0.01%	736.1	0.41%
	Access to HPC	0	0.0		0.0	0.00%	3,278.7	0.02%
	Access to HPC	0	0.0		0.0	0.00%	5,965.1	0.08%
	Access to HPC	15	6,410.3		6,410.3	0.00%	7,714.9	0.14%
	Access to HPC	55	1,312.8		1,312.8	0.15%	7,714.9	0.18%
	Access to HPC	706	10,622.2		10,778.0	0.03%	6,527.5	0.02%
	Access to HPC	50	4,778.6		5,052.8	0.12%	49,450.5	1.17%
	Access to HPC	0	0.0		0.0	0.12%	5,151.1	0.12%
	Access to HPC	85	1,105.8		1,105.8	0.03%	2,928.1	0.12%
	Access to HPC	1,062	16,015.5		23,295.9	0.55%		0.32%
C 042	700000 IO UL	1,002	10,015.5	0.30%	25,295.9	0.00%	13,313.0	0.32%

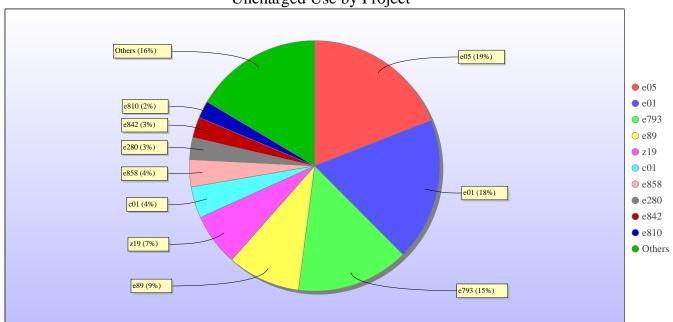
Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
	Access to HPC	138	9,508.5		9,515.1	0.23%	9,047.1	0.21%
	Access to HPC	44	1,036.6		1,036.6	0.02%	1,732.8	
	Access to HPC	254	21,456.8		21,456.8	0.51%	13,611.9	
	Access to HPC	2,434	49,719.7	1.18%	49,771.9	1.18%	22,585.7	0.54%
	Access to HPC	240	2,952.6		2,955.3	0.07%	1,978.5	0.05%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	5,275.9	0.13%
	Access to HPC	266	30,480.6		30,925.2	0.73%	44,940.7	1.07%
	Access to HPC	923	9,337.7	0.22%	9,337.7	0.22%	16,817.0	
	Access to HPC	145	57,897.6		57,897.6	1.38%	57,712.1	1.37%
	Access to HPC	45 47	307.8 3,359.4		307.8	0.01% 0.09%	804.6 5,521.1	
EPSRC Total	Access to HPC	108,355	3,042,311.4	0.08% 72.25%	3,857.3 3,278,600.6	77.87%	3,051,689.0	0.13% 72.48%
n01	Consortia	2,520	64,130.8		66,945.4	1.59%	80,383.6	
n02	Consortia	71,200	384,291.3	9.13%	389,079.4	9.24%	581,671.2	
n03	Consortia	1,150	57,626.0	1.37%	59,800.4	1.42%	74,958.9	
NERC Total	Oorisortia	74,870	506,048.2	12.02%	515,825.2	12.25%	737,013.7	17.50%
b19	Class1a	30	29.3	0.00%	29.3	0.00%	3,050.6	
BBSRC Total	0.00010	30	29.3	0.00%	29.3	0.00%	3,050.6	
e756	Leadership	0	0.0	0.00%	0.0	0.00%	4,916.9	
	Awards	1		516676		515275	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	511275
e723	Class1a	1,064	133,475.9	3.17%	135,527.5	3.22%	57,705.5	1.37%
e738		0	0.0	0.00%	0.0	0.00%	16,487.3	
UKRI Total		1,064	133,475.9	3.17%	135,527.5	3.22%	79,109.7	1.88%
ecseae08		0	0.0	0.00%	0.0	0.00%	61.3	0.00%
ecseaf03	eCSE	63	5.1	0.00%	5.1	0.00%	31.5	0.00%
ecseaf04	eCSE	0	0.0	0.00%	0.0	0.00%	63.0	0.00%
ecseaf06		0	0.0	0.00%	0.0	0.00%	57.0	0.00%
ecseag02	eCSE	0	0.0	0.00%	0.0	0.00%	53.7	0.00%
ecseag06		160	50.9	0.00%	50.9	0.00%	41.7	0.00%
ecseag09	eCSE	44	98.2		1,358.4	0.03%	60.7	0.00%
ecseah01	eCSE	67	7.5	0.00%	7.5	0.00%	98.5	0.00%
ecseah05	eCSE	870	36.9	0.00%	47.5	0.00%	52.6	
ecseah10		4	198.4	0.00%	198.4	0.00%	506.7	0.01%
ecseah12	eCSE eCSE	0	0.0	0.00%	0.0	0.00%	92.8	0.00%
ecseai04 ecseai05	eCSE	57 0	38.0	0.00%	38.0	0.00%	100.6	0.00%
ecseai09		0	0.0	0.00% 0.00%	0.0 0.0	0.00% 0.00%	120.6 101.7	0.00% 0.00%
ecseai09 ecseai10		0	0.0	0.00%	0.0	0.00%	92.8	0.00%
ecseai12		0	0.0	0.00%	0.0	0.00%	57.0	0.00%
ecseaj02		20	0.0	0.00%	1.9	0.00%	57.4	0.00%
ecseaj03		0	0.0	0.00%	0.0	0.00%	101.8	
ecseak01		0	0.0		0.0		22.3	
ecseak02		0	0.0	0.00%	0.0	0.00%	54.6	
ecseak03		144	48.7	0.00%	61.6	0.00%	65.7	0.00%
ecseak05		11	0.1	0.00%	0.1	0.00%	48.6	
ecseak07		25	179.8	0.00%	179.8	0.00%	82.0	0.00%
ecseak09		0	0.0	0.00%	0.0	0.00%	27.7	0.00%
ecseak10	eCSE	0	0.0	0.00%	0.0	0.00%	93.4	0.00%
ecseak11	eCSE	0	0.0	0.00%	0.0	0.00%	75.6	
ecseak12		0	0.0	0.00%	0.0	0.00%	21.3	
ecseak14		0	0.0	0.00%	0.0	0.00%	64.6	
ecseak15		0	0.0	0.00%	0.0	0.00%	65.8	
ecseak16	eCSE	0	0.0		0.0	0.00%	27.2	
eCSE Total		1,465	663.6	0.02%	1,949.2	0.05%	2,400.2	0.06%
d35		31	5.0	0.00%	34.7	0.00%	400.0	0.01%
d011	Research	0	0.0	0.00%	0.0	0.00%	170.0	0.00%
d114		0	0.0	0.00%	0.0	0.00%	5,057.7	0.12%
d142		0	0.0	0.00%	0.0	0.00%	4,054.1	0.10%
d183		2	1.5		1.5	0.00%	18.8	
d184		0	0.0	0.00%	0.0	0.00%	4.1	0.00%
d196		1	0.0	0.00%	0.0	0.00%	41.1	0.00%
d197		270	5.7	0.00%	5.7 4.701.0	0.00%	655.6	
d435	Research	279	2,321.7	0.06%	4,701.9	0.11%	3,688.5	0.09%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
d437	Research	0	0.0	0.00%	0.0	0.00%	409.8	0.01%
i246	Research	27	0.0	0.00%	524.5	0.01%	0.1	0.00%
d195	Industrial	0	0.0	0.00%	0.0	0.00%	80.4	0.00%
d433	Industrial	134	33.6	0.00%	33.6	0.00%	82.0	0.00%
d434	Industrial	3	0.1	0.00%	0.1	0.00%	28.0	0.00%
d440	Industrial	2	0.1	0.00%	0.1	0.00%	0.8	0.00%
dc150	Industrial	0	0.0	0.00%	0.0	0.00%	137.7	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	691.1	0.02%
i18	Industrial	137	281.2	0.01%	281.2	0.01%	1,469.9	0.03%
i21	Industrial	14	0.2	0.00%	0.2	0.00%	8.2	0.00%
i26	Industrial	47	53.9	0.00%	53.9		163.9	0.00%
i29	Industrial	40	7.7	0.00%	7.7	0.00%	1,679.7	0.04%
i239	Industrial	840	2,835.3	0.07%	2,835.3	0.07%	1,547.5	
i241	Industrial	0	0.0	0.00%	0.0		1,537.2	0.04%
i242	Industrial	29	1,707.9	0.04%	1,707.9		243.9	0.01%
i243	Industrial	0	0.0	0.00%	0.0		638.5	0.02%
i244	Industrial	850	738.7	0.02%	738.7		849.9	0.02%
i247	Industrial	0	0.0	0.00%	0.0		966.6	0.02%
i248	Industrial	84	5,759.9	0.14%	5,759.9		6,300.4	0.15%
i250	Industrial	13	1.7	0.00%	1.8		153.1	0.00%
m22ol	Training	0	0.0	0.00%	0.0		328.2	0.01%
m23oc	Training	641	44.8		57.9		544.8	0.01%
m23ol	Training	24	137.3		2,886.7	0.07%	363.2	0.01%
m23ext	Training	0	0.0		0.0		99.0	0.00%
mdisspt	Training	10	0.8		0.8		178.6	0.00%
ta109	Training	0	0.0		0.0		539.9	0.01%
ta110	Training	0	0.0		0.0		18.4	0.00%
ta111	Training	0	0.0	0.00%	0.0		18.4	0.00%
ta112	Training	0	0.0		0.0		18.4	0.00%
ta124	Training	0	0.0		0.0		18.4	0.00%
ta125	Training	0	0.0	0.00%	0.0		18.4	0.00%
ta126	Training	0	0.0	0.00%	0.0		30.7	0.00%
ta127	Training	1	27.3		27.3		639.3	0.02%
ta135	Training	107	1,383.1	0.03%	1,384.3		987.7	0.02%
ta136	Training	0	0.0		0.0		13.6	0.00%
ta156	Training	0	0.0		0.0		9.2	0.00%
ta157	Training	14	0.3	0.00%	0.8		245.9	0.01%
ta158	Training	367	2.3		2.3		150.0	0.00%
ta159	Training	282	171.1	0.00%	126.2		335.1	0.01%
ta160	Training	18	3.3		3.3		176.5	
ta161	Training	135	292.8		196.2		152.5	
ta162	Training	0	0.0		0.0		59.4	
d438	Service	0	0.0		0.0		5,453.7	
d439	Service	199	3,061.8		3,061.8		24,590.2	
y01	Service	0	0.0		0.0		72.4	
y02	Service	276	128.9		129.5		4,098.4	0.10%
y07	Service	0	0.0		0.0		27.4	0.00%
z02	Service	2	0.0		0.0		8.2	0.00%
z19	Service	2,265	5,955.6		24,423.6		40,983.6	
z99	Service	2,265	0.0		0.0		40,963.6	
DirectorsTime	Service	6,878	24,963.6		48,989.4		111,258.8	
Total		0,078	24,903.0	0.59%	40,909.4	1.10%	111,200.0	2.04%
Total		192,662	3,707,491.9	88.05%	3,980,921.2	94.55%	3,984,522.1	94.63%
		- /	, , ,		, -,		, ,	

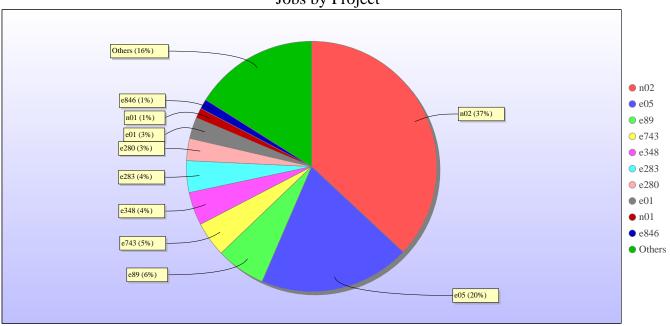
Use by Project







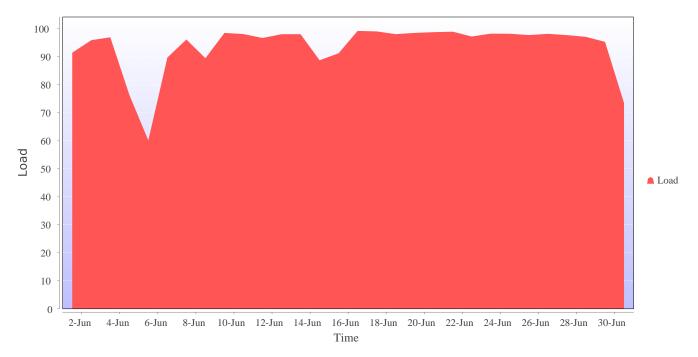
Jobs by Project



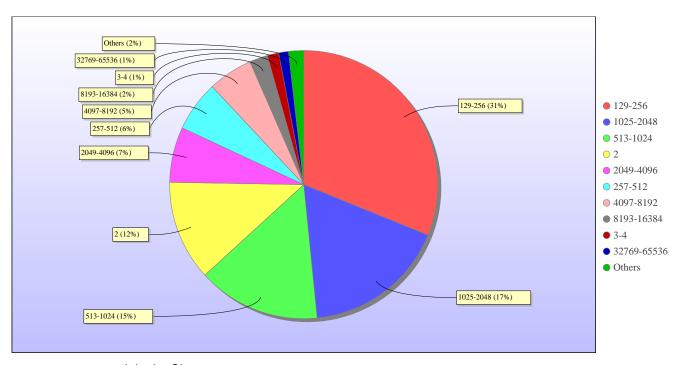
CUs (by Size)

Size	CUs	Number of Jobs
1	0	2
2	0	23,251
3-4	0	2,643
5-8	0	551
9-16	0	62
17-32	0	1,164
33-64	0	149
129-256	174,251.513	60,029
257-512	91,824.771	11,728
513-1024	275,806.464	
1025-2048	500,904.262	33,236
2049-4096	453,877.242	
4097-8192	469,439.647	10,385
8193-16384	582,355.759	
16385-32768	276,289.636	1,071
32769-65536	246,463.76	2,282
65537-131072	208,918.276	260
131073-262144	114,202.961	111
262145-524288	282,101.935	
524289-1048576	30,532.744	54

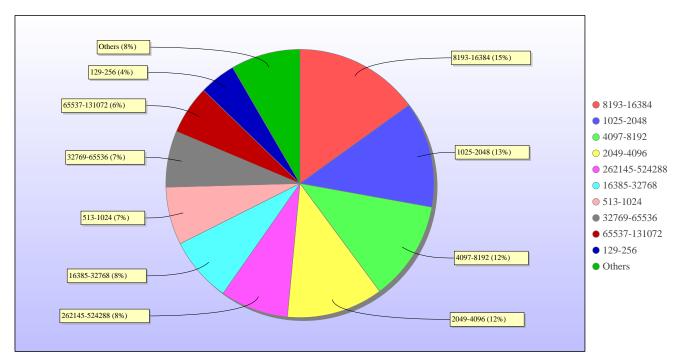
Load plots



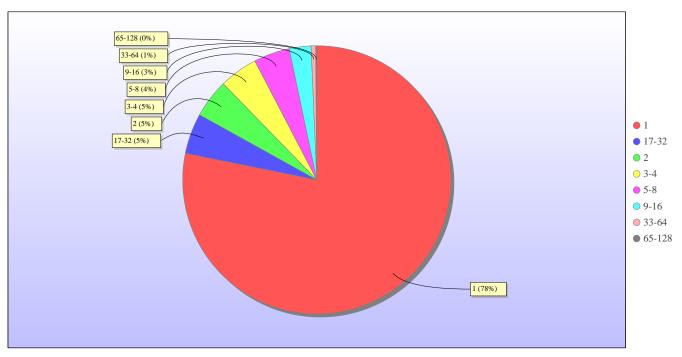
Percentage load on machine



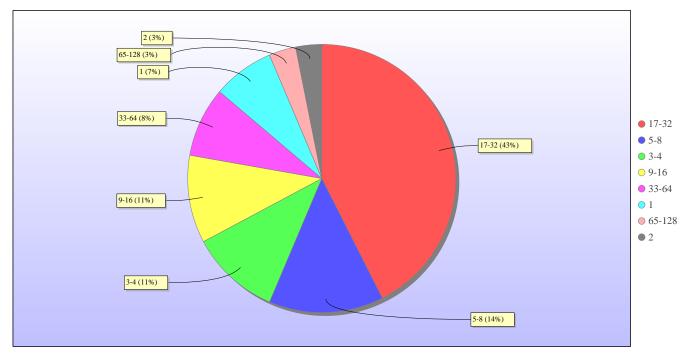
Jobs by Size



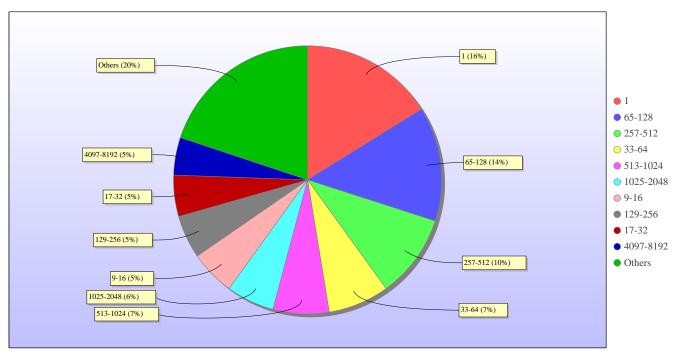
CUs used by Size



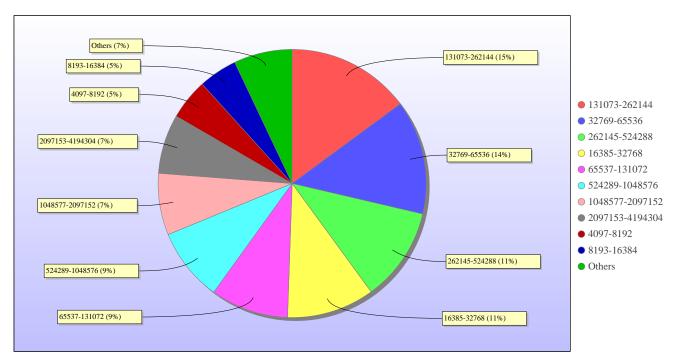
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

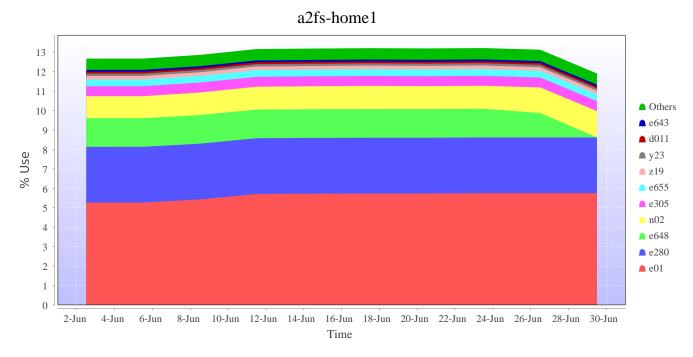


CUs used grouped by core-hours

Disk usage

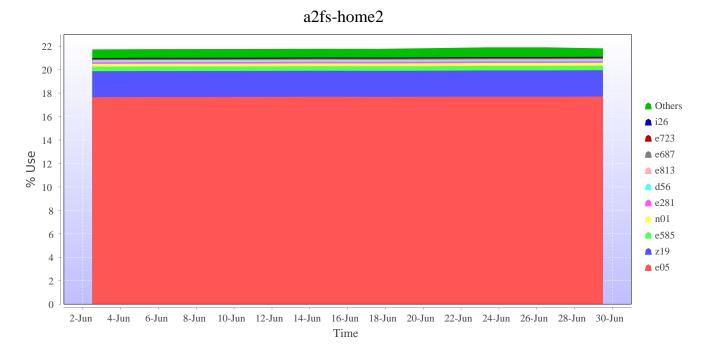
Disk usage for home (a2fs-home1)

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.



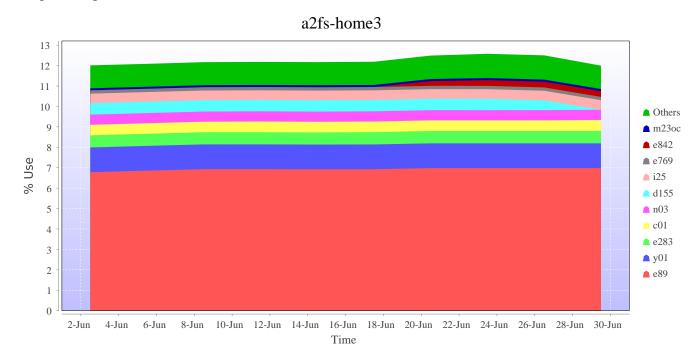
Disk usage for home (a2fs-home2)

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.



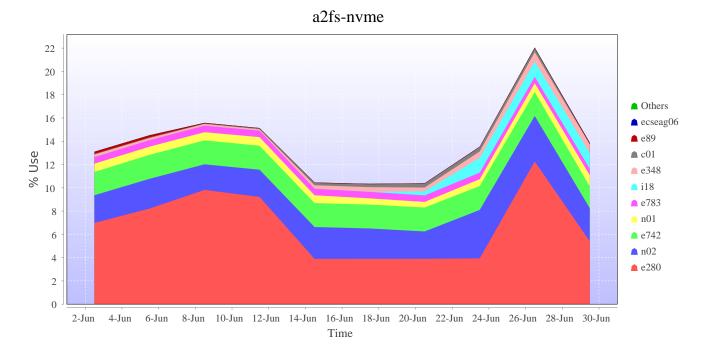
Disk usage for home (a2fs-home3)

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.



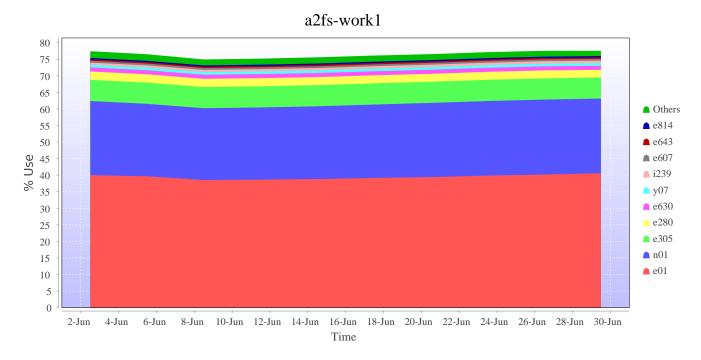
Disk usage for scratch (a2fs-nvme)

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.



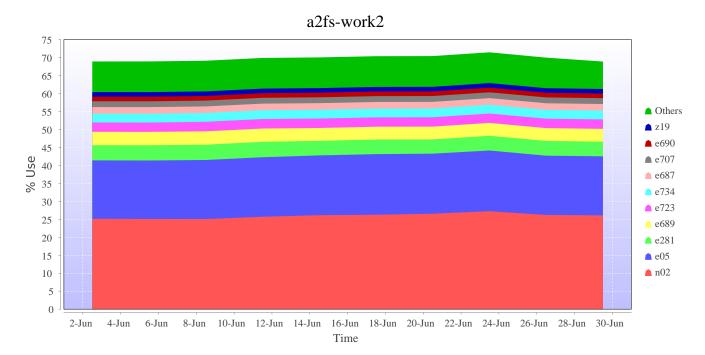
Disk usage for work (a2fs-work1)

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.



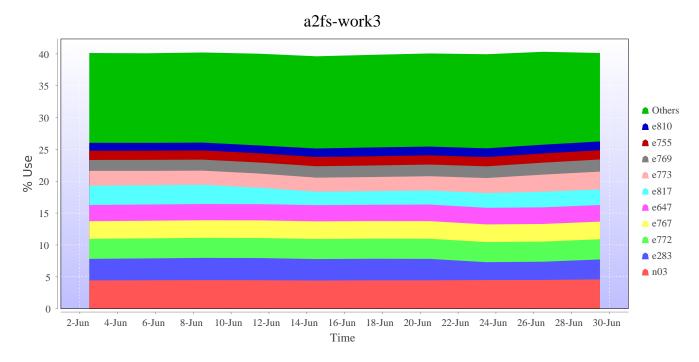
Disk usage for work (a2fs-work2)

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.



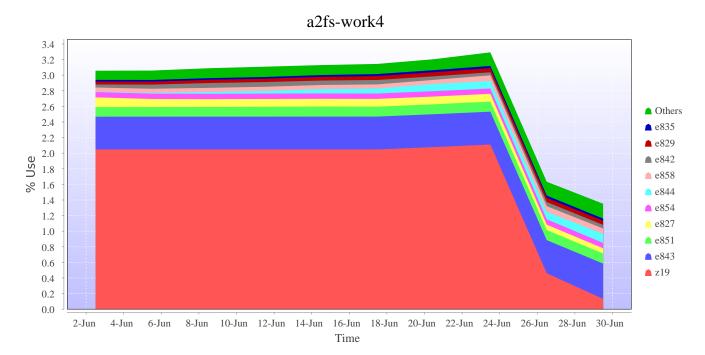
Disk usage for work (a2fs-work3)

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.



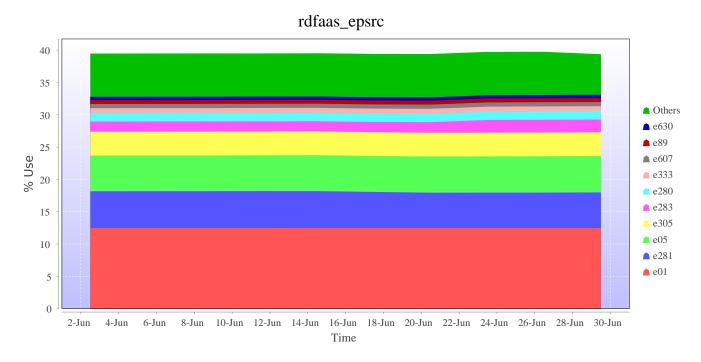
Disk usage for work (a2fs-work4)

This is a plot of Disk Use on a2fs-work4 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.

