

Livermore Computing Systems Summary

System	Top50 Rank	Program	Manufacturer/ Model	Processor Architecture	OS	Inter-connect	Power Demand (KW)	Nodes	Cores	Memory (GB)	Peak TFLOP/s
Unclassified Network (OCF)											
Lassen	46	ASC+M&IC	IBM	IBM P9	RHEL	2x IB EDR	TBD	792	34,848	253,440	23,047.2
Quartz (CTS-1)	335	ASC+M&IC	Penguin	Intel Xeon E5-2695 v4	TOSS	Omni-Pat	TBD	3,136	112,896	401,408	3793.3
Pascal		ASC+M&IC	Penguin	Intel Xeon E5-2695 v4	TOSS	IB EDR	TBD	163	5,868	41,728	1700.0
RZTopaz		ASC	Penguin	Intel Xeon E5-2695 v4	TOSS	Omni-Pat	TBD	768	27,648	98,304	929.0
RZVernal	146	ASC	HPE	3rd Generation AMD EP [®]	TOSS	Slingshot	TBD	38	2,432	38,912	6917.9
RZAnsel		ASC	IBM	IBM P9	RHEL	2x IB EDR	TBD	54	2,376	17,280	1,570.0
Tioga	164	ASC+M&IC	HPE	3rd Generation AMD EP [®]	TOSS	Slingshot	TBD	32	2,048	32,768	5,825.6
Mammoth		ASC+M&IC	Supermicro	AMD Rome	TOSS	Omni-Pat	TBD	69	8,832	131,072	294.0
Ruby	203	ASC+M&IC+CARES	Supermicro	Intel Xeon CLX-8276L	TOSS	Omni-Pat	TBD	1,512	84,672	290,304	5959.2
Corona		ASC+M&IC+CARES	Penguin, Supermicro	AMD Naples, AMD Rome	TOSS	IB HDR	TBD	291	13,968	127,488	11335.0
Borax (CTS-1)		ASC+M&IC	Penguin	Intel Xeon E5-2695 v4	TOSS	N/A	TBD	48	1,728	6,144	58.1
RZTrona (CTS-1)		ASC	Penguin	Intel Xeon E5-2695 v4	TOSS	N/A	TBD	48	1,728	6,144	58.1
OCF Totals	System:	15									#####
Classified Network (SCF)											
Pinot(SNSI)		M&IC	Penguin	Intel Xeon E5-2695	TOSS	Omni-Pat	TBD	187	6,732	23,936	232.2
Sierra	10	ASC	IBM	IBM P9	RHEL	2x IB EDR	TBD	4,320	190,080	1,382,400	#####
Tenaya	230	ASC	HPE	3rd Generation AMD EP [®]	TOSS	Slingshot	TBD	24	1,536	24,576	4,369.2
Jade+Jadeita (C)	334	ASC	Penguin	Intel Xeon E5-2695 v4	TOSS	Omni-Pat	TBD	2,688	96,768	344,064	3251.4
Mica		ASC	Penguin	Intel Xeon E5-2695 v4	TOSS	Omni-Pat	TBD	384	13,824	49,152	464.5
Magma	240	ASC	Penguin	Intel Cascade Lake AP 92	TOSS	Omni-Pat	TBD	722	69,312	296,448	5454.0
Tron		ASC	Supermicro	Intel Cascade Lake	TOSS	IB EDR	TBD	146	4,672	56,064	433.6
Agate (CTS-1)		ASC	Penguin	Intel Xeon E5-2695 v4	TOSS	N/A	TBD	48	1,728	6,144	58.1
SCF Totals	System:	9									#####
Combined Totals		24									#####

System Category	TFLOP	% of Total
Unclassified	#####	30.5%
Capability	37,360.7	60.8%
Capacity	22,310.5	36.3%
Visualization	1,700.0	2.8%
Serial	116.2	0.2%

System Category	TFLOP/	% of Total
Classified	#####	69.5%
Capability	129,995.2	92.9%
Capacity	9,402.1	6.7%
Visualization	433.6	0.3%
Serial	58.1	0.0%