mixbench/read-only (v0.03)
---------- Device specifications ----------
Device: TITAN V
CUDA driver version: 9.20
GPU clock rate: 1455 MHz
Memory clock rate: 425 MHz
Memory bus width: 3072 bits
WarpSize: 32
L2 cache size: 4608 KB
Total global mem: 12066 MB
ECC enabled: No
Compute Capability: 7.0
Total SPs: 10240 (80 MPs x 128 SPs/MP)
Compute throughput: 29798.40 GFlops (theoretical single precision FMAs)
Memory bandwidth: 652.80 GB/sec

Total GPU memory 12652838912, free 12210470912
Buffer size: 256MB
Trade-off type: compute with global memory (block strided)
Elements per thread: 8
Thread fusion degree: 4

	Single Precision ops				Double precision ops				Half precision ops				Integer operations			
Compute iters	Flops/byte	ex.time	GFLOPS	GB/sec	Flops/byte	ex.time	GFLOPS	GB/sec	Flops/byte	ex.time	GFLOPS	GB/sec	Iops/byte	ex.time	GIOPS	GB/sec
0	0.25	0.22	154.57	618.26	0.125	0.42	80.12	640.94	0.5	0.21	313.57	627.14	0.25	0.21	156.78	627.14
1	0.75	0.21	470.35	627.14	0.375	0.42	240.94	642.51	1.5	0.21	945.23	630.15	0.75	0.21	472.62	630.15
2	1.25	0.21	787.69	630.15	0.625	0.42	400.59	640.94	2.5	0.21	1575.38	630.15	1.25	0.21	787.81	630.25
3	1.75	0.22	1092.27	624.15	0.875	0.42	560.82	640.94	3.5	0.21	2194.99	627.14	1.75	0.21	1108.1	633.2
4	2.25	0.22	1404.34	624.15	1.125	0.42	721.06	640.94	4.5	0.21	2835.69	630.15	2.25	0.21	1411.06	627.14
5	2.75	0.21	1732.92	630.15	1.375	0.42	877	637.82	5.5	0.21	3449.26	627.14	2.75	0.21	1732.92	630.15
6	3.25	0.21	2038.2	627.14	1.625	0.42	1036.46	637.82	6.5	0.21	4077.01	627.23	3.25	0.21	2038.2	627.14
7	3.75	0.22	2340.57	624.15	1.875	0.42	1195.91	637.82	7.5	0.21	4726.15	630.15	3.75	0.21	2363.08	630.15
8	4.25	0.22	2652.65	624.15	2.125	0.42	1352.08	636.27	8.5	0.22	5305.3	624.15	4.25	0.23	2509.26	590.41
9	4.75	0.22	2964.72	624.15	2.375	0.42	1507.49	634.73	9.5	0.22	5929.45	624.15	4.75	0.21	2993.23	630.15
10	5.25	0.21	3292.48	627.14	2.625	0.42	1674.28	637.82	10.5	0.22	6553.6	624.15	5.25	0.21	3292.48	627.14
11	5.75	0.21	3606.05	627.14	2.875	0.42	1829.28	636.27	11.5	0.22	7177.75	624.15	5.75	0.22	3555.02	618.26
12	6.25	0.22	3900.95	624.15	3.125	0.42	1988.35	636.27	12.5	0.22	7801.9	624.15	6.25	0.23	3673.54	587.77
13	6.75	0.22	4172.67	618.17	3.375	0.42	2142.22	634.73	13.5	0.22	8426.06	624.15	6.75	0.22	4193.06	621.19
14	7.25	0.22	4525.1	624.15	3.625	0.42	2289.81	631.67	14.5	0.22	9007.32	621.19	7.25	0.22	4461.37	615.36
15	7.75	0.22	4837.18	624.15	3.875	0.43	2441.85	630.15	15.5	0.22	9628.51	621.19	7.75	0.22	4791.55	618.26
16	8.25	0.22	5124.85	621.19	4.125	0.42	2624.62	636.27	16.5	0.22	10153.46	615.36	8.25	0.23	4784.71	579.96
17	8.75	0.22	5461.33	624.15	4.375	0.43	2756.92	630.15	17.5	0.22	10922.67	624.15	8.75	0.22	5384.41	615.36
18	9.25	0.22	5613.04	606.81	4.625	0.43	2914.46	630.15	18.5	0.22	11546.82	624.15	9.25	0.22	5639.14	609.64
20	10.25	0.22	6307.46	615.36	5.125	0.42	3252.75	634.68	20.5	0.22	12674.42	618.26	10.25	0.23	5866.76	572.37
22	11.25	0.22	6955.47	618.26	5.625	0.43	3536.12	628.64	22.5	0.22	13910.94	618.26	11.25	0.22	6733.15	598.5
24	12.25	0.22	7573.74	618.26	6.125	0.43	3805.1	621.24	24.5	0.22	15005.91	612.49	12.25	0.24	6861.68	560.14
28	14.25	0.22	8727.93	612.49	7.125	0.43	4405.13	618.26	28.5	0.22	17214.53	604.02	14.25	0.25	7782.4	546.13
32	16.25	0.22	9815.3	604.02	8.125	0.44	4988.1	613.92	32.5	0.22	19630.6	604.02	16.25	0.25	8553.9	526.39
40	20.25	0.26	10616.83	524.29	10.125	0.47	5745.04	567.41	40.5	0.25	22121.28	546.2	20.25	0.29	9248.11	456.7
48	24.25	0.29	11351.77	468.11	12.125	0.56	5810.78	479.24	48.5	0.29	22462.87	463.15	24.25	0.34	9516.45	392.43
56	28.25	0.33	11499.33	407.06	14.125	0.65	5831.16	412.83	56.5	0.33	22647	400.83	28.25	0.4	9592.7	339.56
64	32.25	0.37	11580.03	359.07	16.125	0.74	5854.67	363.08	64.5	0.38	22910.96	355.21	32.25	0.45	9672.93	299.94
80	40.25	0.46	11698.48	290.65	20.125	0.92	5901.17	293.23	80.5	0.47	23189.66	288.07	40.25	0.55	9787.84	243.18
96	48.25	0.55	11776.95	244.08	24.125	1.09	5932.67	245.91	96.5	0.56	23336.62	241.83	48.25	0.66	9866.18	204.48
128	64.25	0.73	11827.78	184.09	32.125	1.44	5968.37	185.79	128.5	0.73	23622.37	183.83	64.25	0.87	9884.24	153.84
192	96.25	1.09	11890.37	123.54	48.125	2.15	5998.9	124.65	192.5	1.08	23827.05	123.78	96.25	1.29	10020.4	104.11
256	128.25	1.45	11904.82	92.83	64.125	2.97	5790.62	90.3	256.5	1.46	23559.89	91.85	128.25	1.75	9836.15	76.7