

Runtime on Cori at Varying Block Size and Number of Blocks

Threads per block

32

6.2

25.0

100.0

99.9

99.9

99.9

99.7

64

6.3

25.0

100.0

99.9

100.0

99.9

99.8

128

6.3

25.0

100.0

99.9

100.0

100.0

99.8

256

6.3

25.0

100.0

99.9

99.9

99.9

99.8

512

6.3

25.0

100.0

99.9

100.0

99.9

99.8

1024

6.3

25.0

100.0

99.9

99.9

100.0

99.8

1

4

16

64

256

1024

4096

Block Sizes

100

80

60

40

20