

■ Collectives ■ Point-to-Point ■ Datatype ■ Communicator ■ One-sided (RMA) ■ PMPI

Overall (ours)

89

85

63

50

27

8

USA (ours)

90

90

69

60

45

19

AD (ECP)

86

96

25

68

36

11

ST (ECP)

75

79

21

54

7

AD+ST (ECP)

80

88

23

61

21

14

0%

25%

50%

75%

100%