Name:

Pitt ID:

Fabric Client Site:

Fabric Server Site:

Fabric Client Geographic Coordinates:

Fabric Server Geographic Coordinates:

Distance Between Sites (in miles or km):

Fabric Client IP address:

Fabric Server IP address:

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**Echo Programs**

UDP\_Echo\_Server.py Output:

UDP\_Echo\_Client.py Output:

TCP\_Echo\_Server.py Output:

TCP\_Echo\_Client.py Output:

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**Ping Programs**

UDP\_Ping\_Server.py Output:

UDP\_Ping\_Client.py Output:

Expected (calculated) UDP Ping RTT:

Briefly comment on any differences between observed and calculated RTT:

TCP\_Ping\_Server.py Output:

TCP\_Ping\_Client.py Output:

Briefly comment on any differences between your UDP and TCP results:

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**Loss Emulation**

UDP\_Ping\_Server.py Output:

UDP\_Ping\_Client.py Output:

TCP\_Ping\_Server.py Output:

TCP\_Ping\_Client.py Output:

Briefly comment on any differences you see compared with the no-loss case, or between UDP and TCP output:

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**Bonus: Persistent Connections**

TCP\_Ping\_Server\_Persistent.py Output:

TCP\_Ping\_Client\_Persistent.py Output:

Briefly comment on any differences you see between persistent and non-persistent cases: