

Pantheon Report

Generated at 2017-09-18 11:45:46 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 10 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

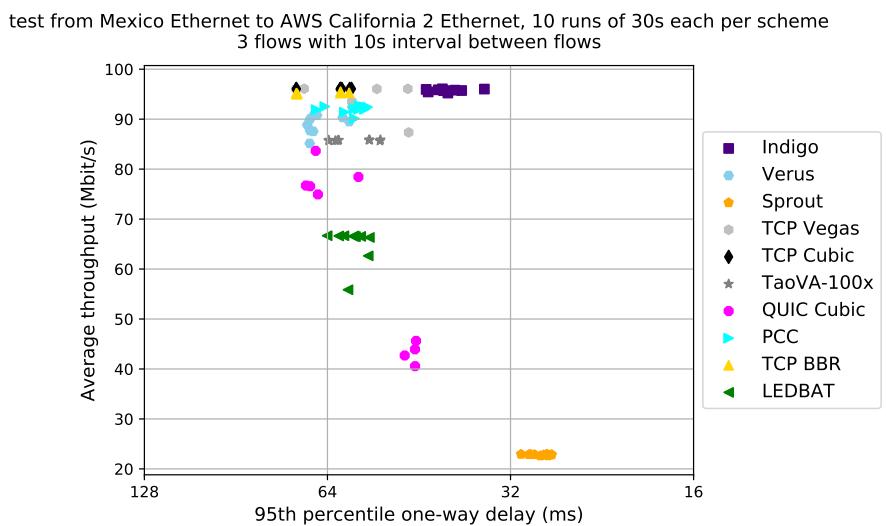
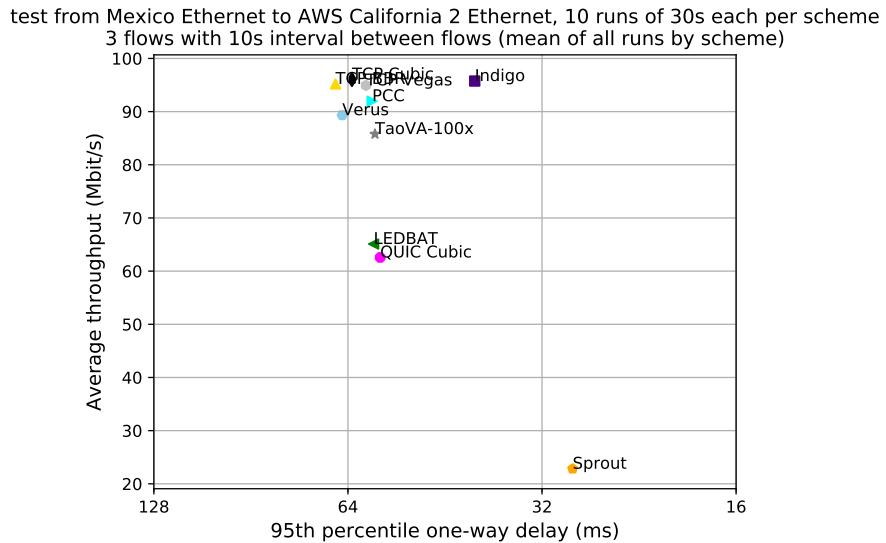
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 57453dc11f8da93a2e03eea75289fea01b816298
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```



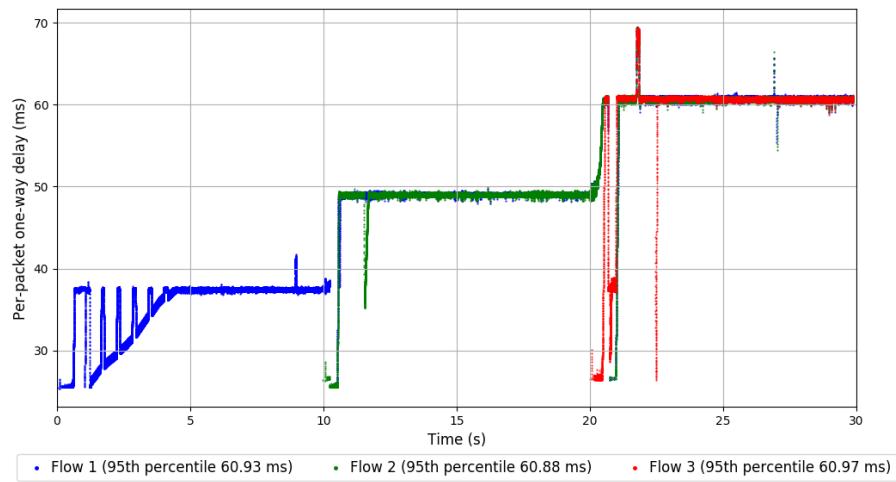
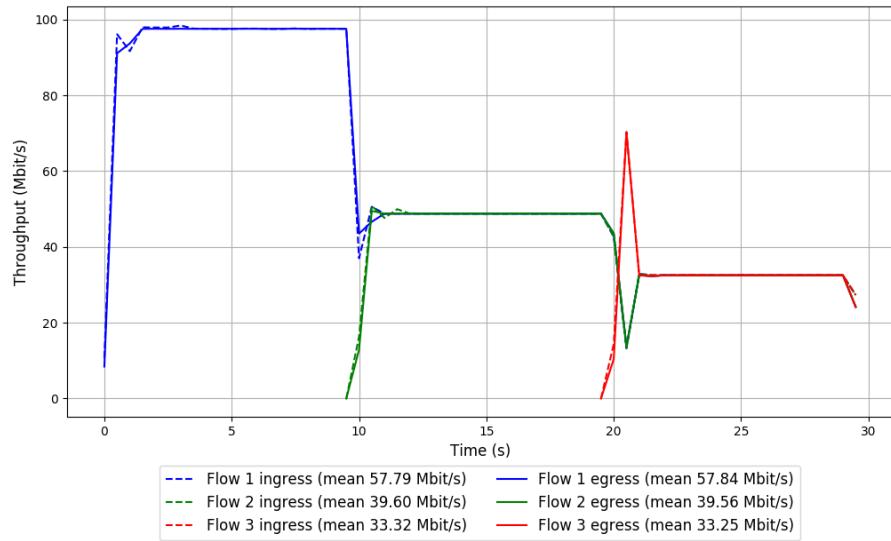
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	7	56.59	37.45	41.27	66.85	66.99	54.06	0.20	0.44	1.05
TCP Cubic	8	59.32	39.06	32.30	60.19	63.13	60.36	0.21	0.55	1.26
Indigo	10	59.12	39.63	31.87	43.11	39.84	41.13	0.16	0.35	0.91
LEDBAT	10	39.46	30.13	16.85	58.85	53.29	45.00	0.30	0.66	1.66
PCC	10	58.90	37.13	25.52	55.01	54.58	60.27	0.20	0.51	1.29
QUIC Cubic	9	46.76	40.89	34.17	44.68	54.81	52.55	0.15	0.50	1.21
Sprout	10	11.55	11.44	11.09	28.59	28.60	29.07	0.27	0.41	0.83
TaoVA-100x	10	51.29	38.65	34.20	54.33	58.23	52.70	0.23	0.43	1.30
TCP Vegas	10	61.98	36.00	27.10	52.41	60.66	59.45	0.21	0.42	1.07
Verus	10	55.13	36.94	29.40	58.62	64.29	60.34	0.21	0.53	0.69

Run 1: Statistics of TCP BBR

```
Start at: 2017-09-18 06:57:28
End at: 2017-09-18 06:57:58
Local clock offset: 2.014 ms
Remote clock offset: -4.396 ms

# Below is generated by plot.py at 2017-09-18 11:31:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 60.923 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 60.933 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 60.877 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 60.970 ms
Loss rate: 1.09%
```

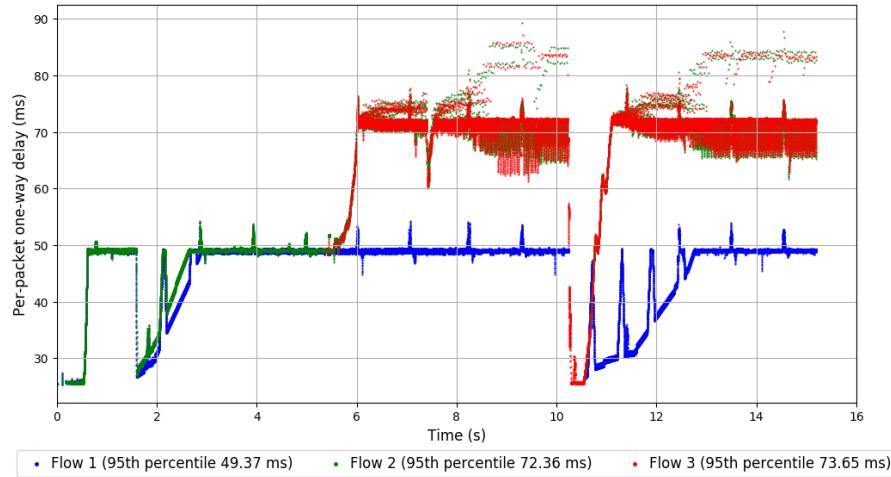
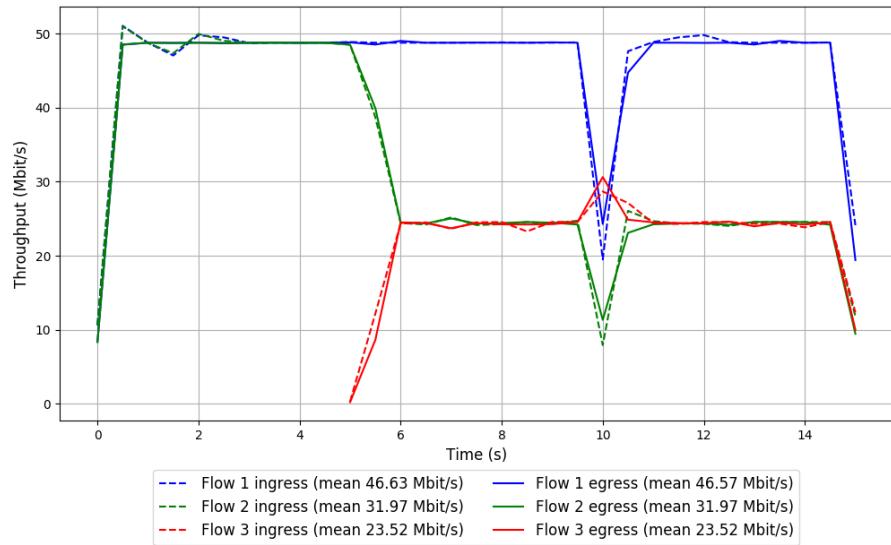
Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-09-18 07:11:21
End at: 2017-09-18 07:11:51
Local clock offset: 1.866 ms
Remote clock offset: -3.536 ms

Run 2: Report of TCP BBR — Data Link

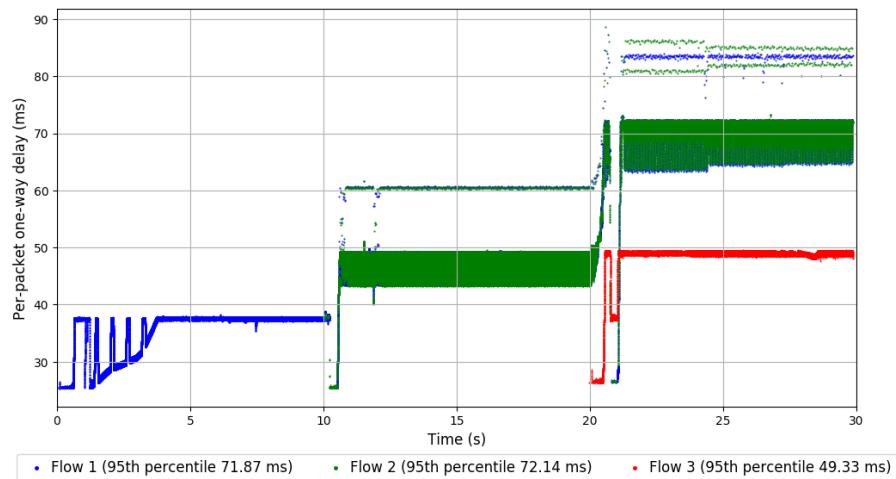
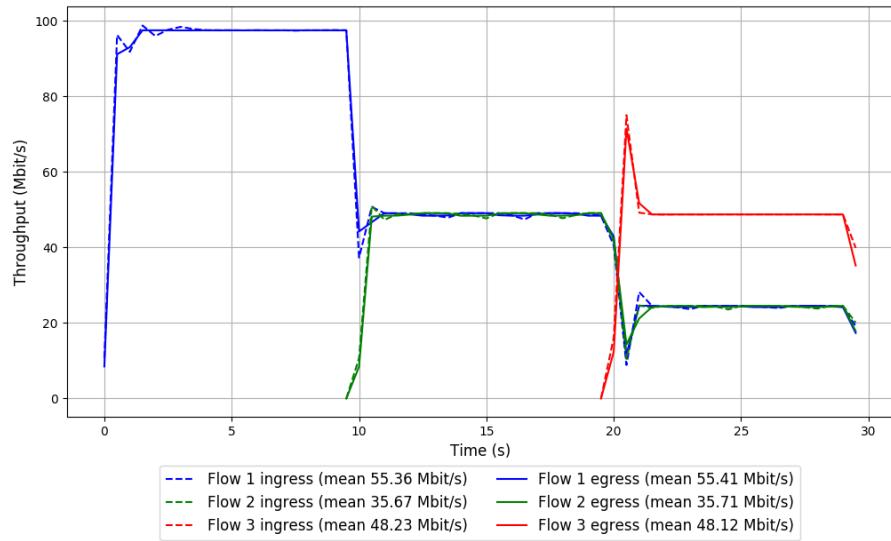


Run 3: Statistics of TCP BBR

```
Start at: 2017-09-18 07:25:12
End at: 2017-09-18 07:25:42
Local clock offset: 1.88 ms
Remote clock offset: -2.535 ms

# Below is generated by plot.py at 2017-09-18 11:31:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 71.951 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 71.870 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 72.135 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 49.332 ms
Loss rate: 0.98%
```

Run 3: Report of TCP BBR — Data Link

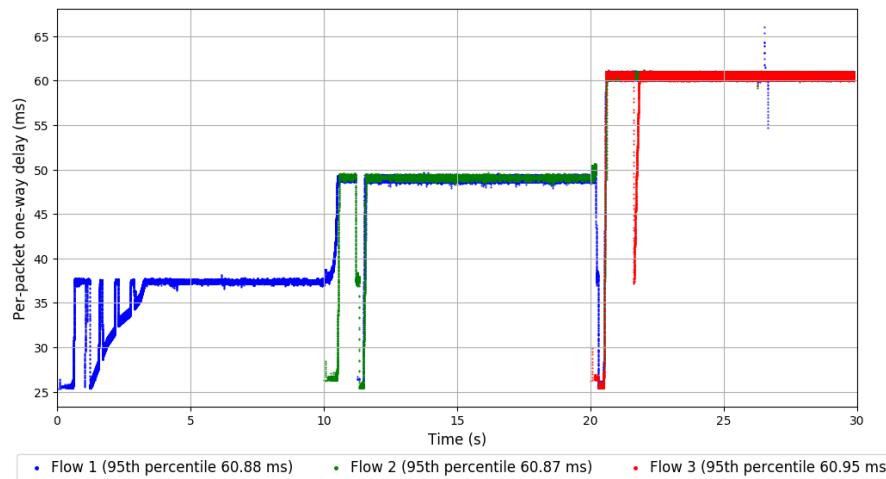
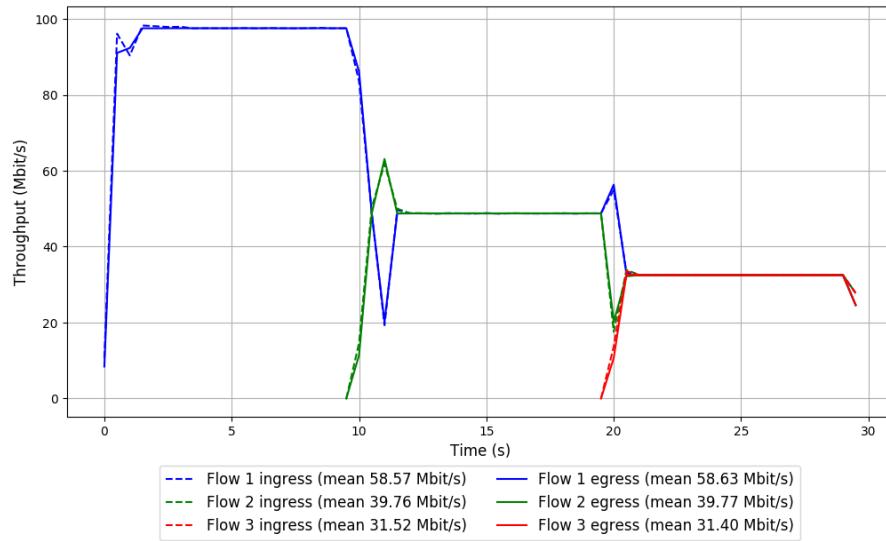


Run 4: Statistics of TCP BBR

```
Start at: 2017-09-18 07:39:02
End at: 2017-09-18 07:39:32
Local clock offset: 1.668 ms
Remote clock offset: -1.826 ms

# Below is generated by plot.py at 2017-09-18 11:31:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 60.899 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 60.877 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 60.866 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 60.955 ms
Loss rate: 1.13%
```

Run 4: Report of TCP BBR — Data Link

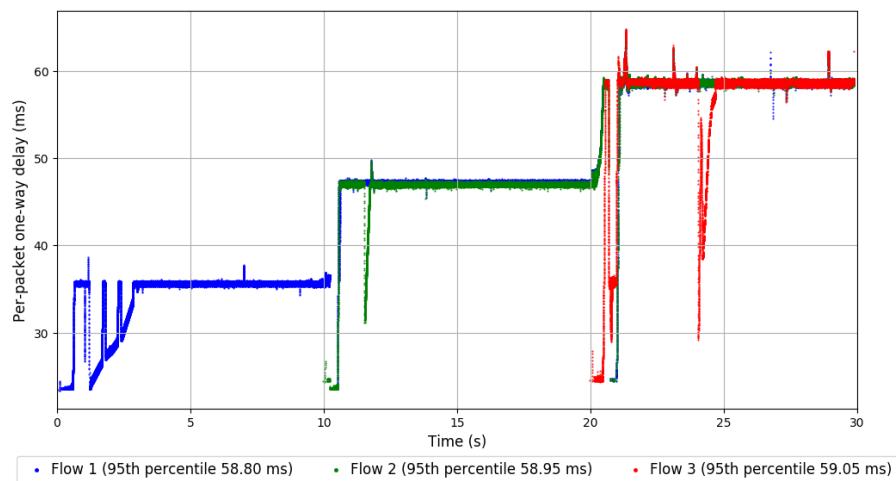
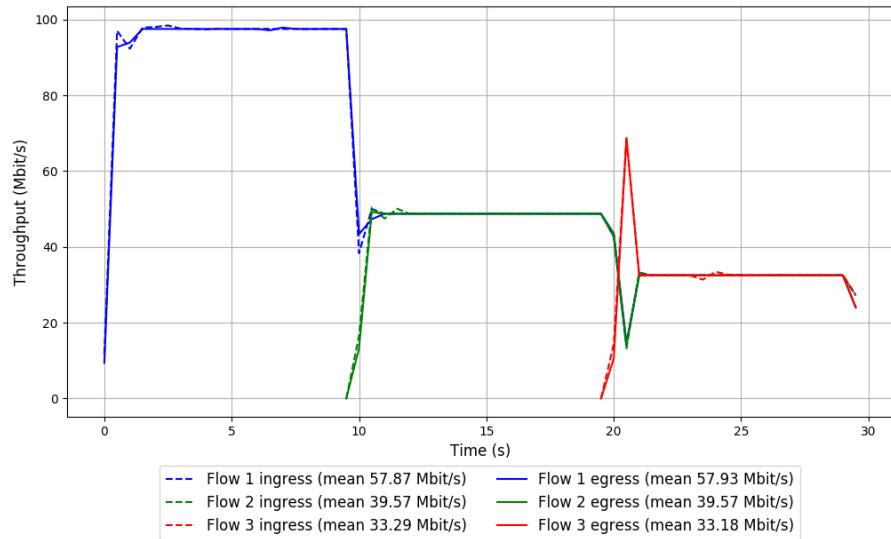


Run 5: Statistics of TCP BBR

```
Start at: 2017-09-18 07:52:56
End at: 2017-09-18 07:53:26
Local clock offset: 1.532 ms
Remote clock offset: 0.663 ms

# Below is generated by plot.py at 2017-09-18 11:31:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 58.944 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 58.804 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 58.953 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 59.051 ms
Loss rate: 1.07%
```

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

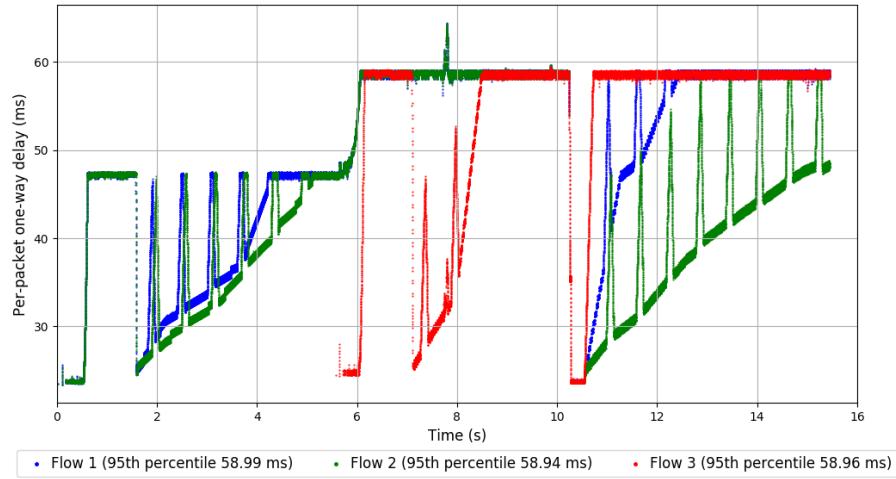
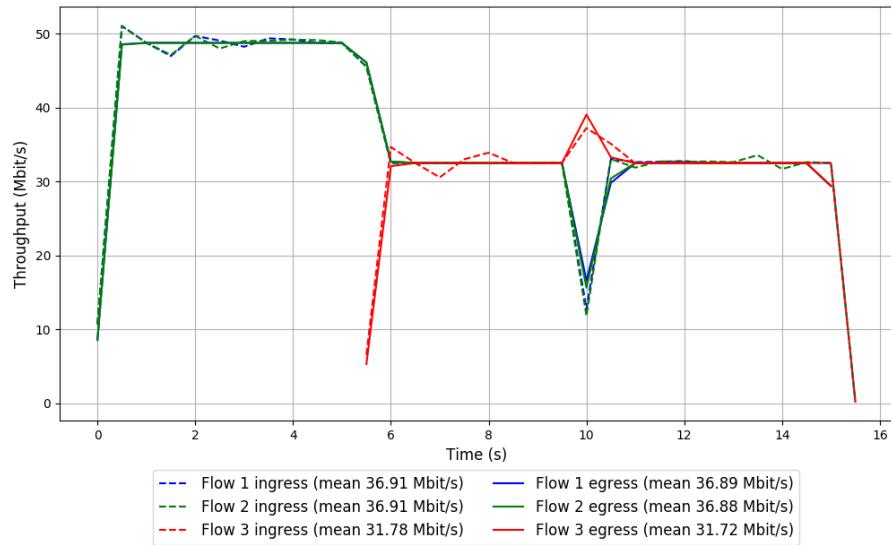
Start at: 2017-09-18 08:06:49

End at: 2017-09-18 08:07:19

Local clock offset: 1.412 ms

Remote clock offset: 1.27 ms

Run 6: Report of TCP BBR — Data Link

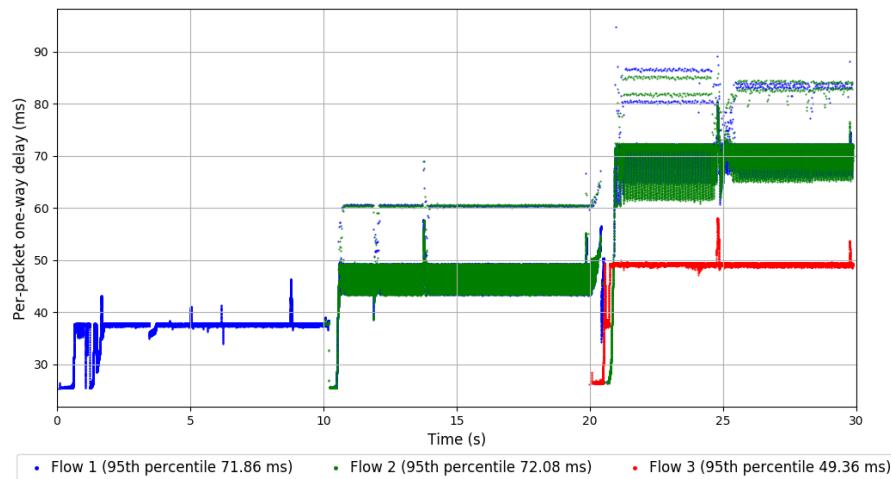
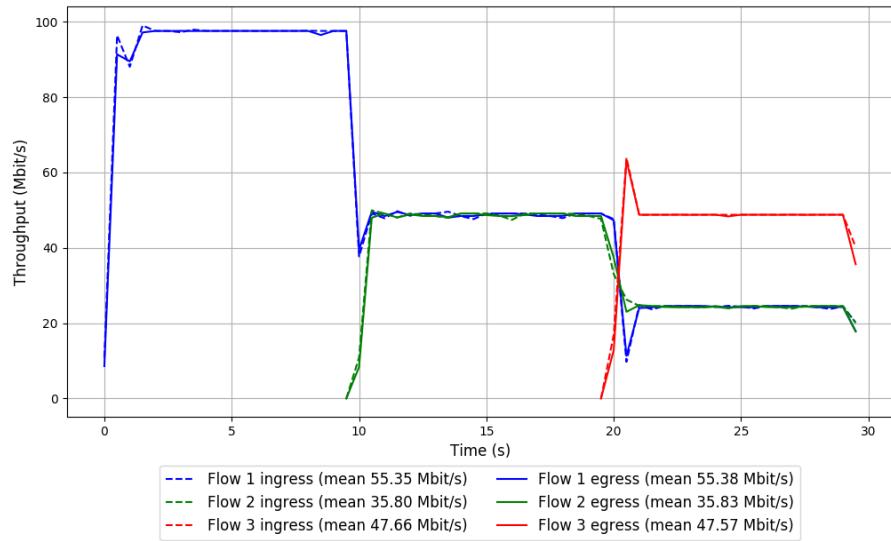


Run 7: Statistics of TCP BBR

```
Start at: 2017-09-18 08:20:46
End at: 2017-09-18 08:21:16
Local clock offset: 1.175 ms
Remote clock offset: -0.54 ms

# Below is generated by plot.py at 2017-09-18 11:31:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 71.908 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 71.862 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 72.078 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 47.57 Mbit/s
95th percentile per-packet one-way delay: 49.359 ms
Loss rate: 1.03%
```

Run 7: Report of TCP BBR — Data Link

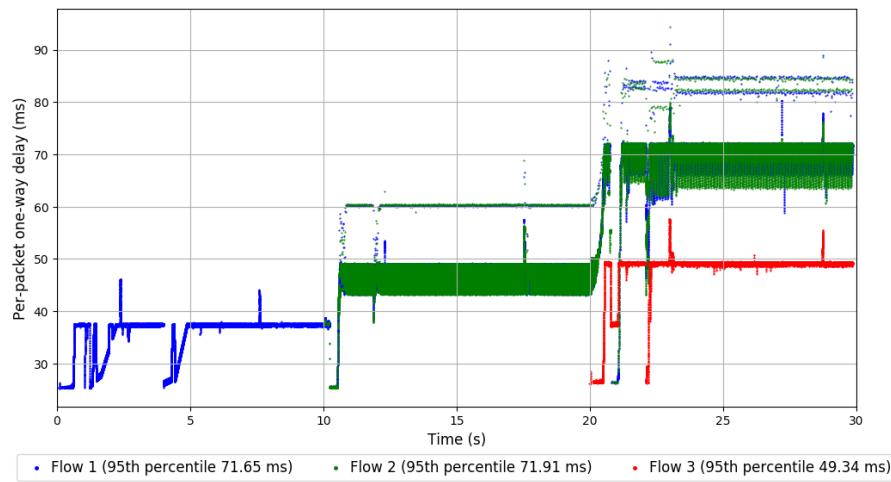
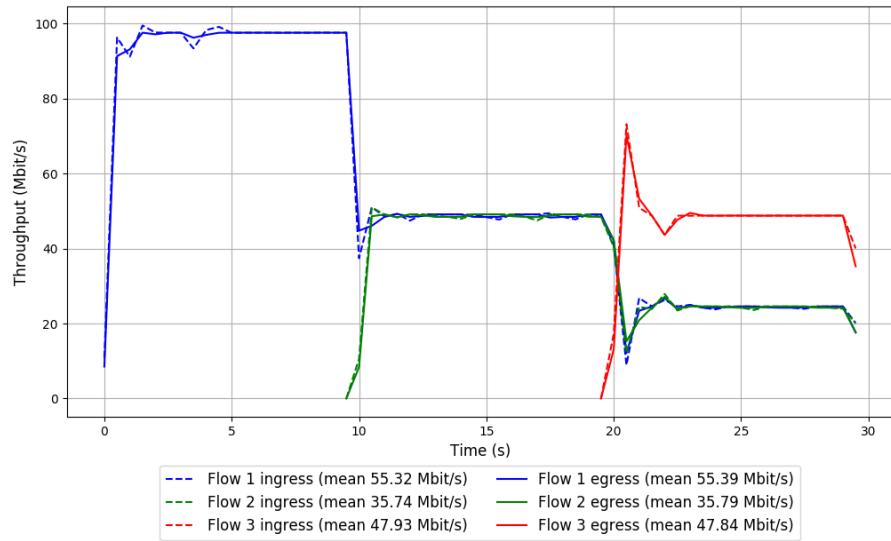


Run 8: Statistics of TCP BBR

```
Start at: 2017-09-18 08:34:39
End at: 2017-09-18 08:35:09
Local clock offset: 1.035 ms
Remote clock offset: -0.405 ms

# Below is generated by plot.py at 2017-09-18 11:31:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 71.720 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 71.652 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 71.905 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 49.339 ms
Loss rate: 1.03%
```

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

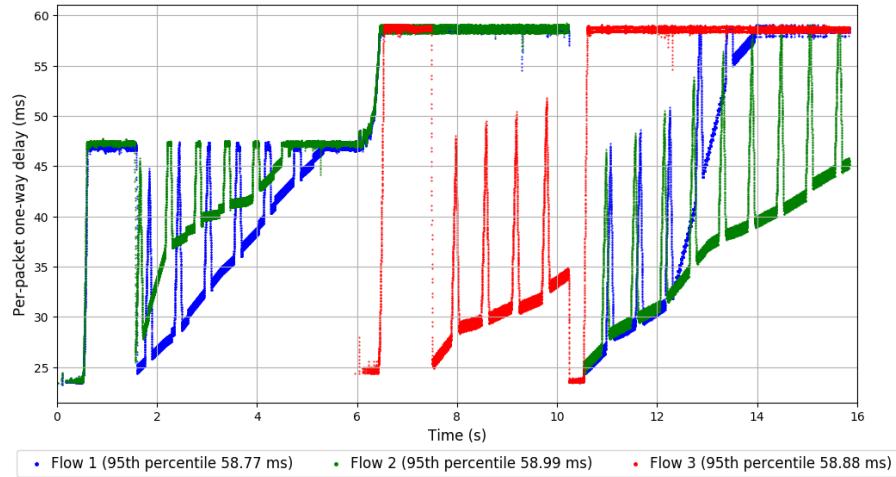
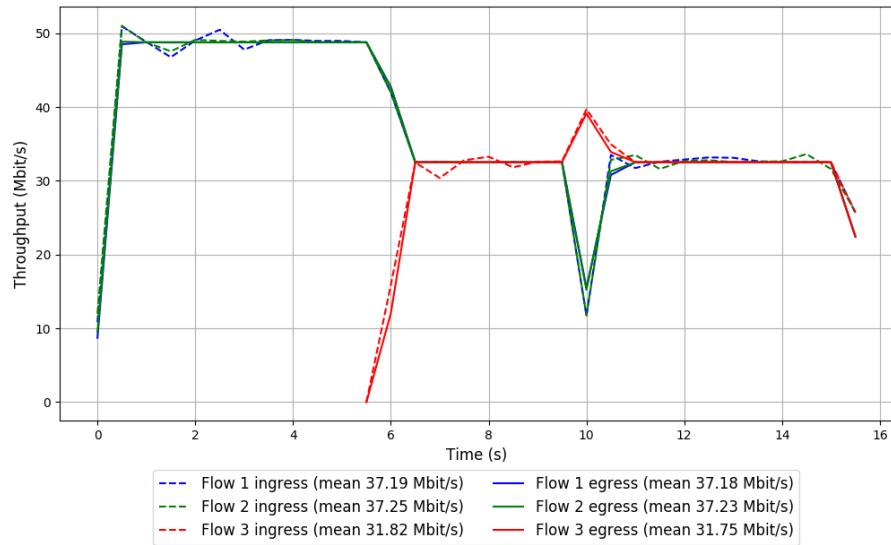
Start at: 2017-09-18 08:48:35

End at: 2017-09-18 08:49:05

Local clock offset: 1.043 ms

Remote clock offset: 1.602 ms

Run 9: Report of TCP BBR — Data Link

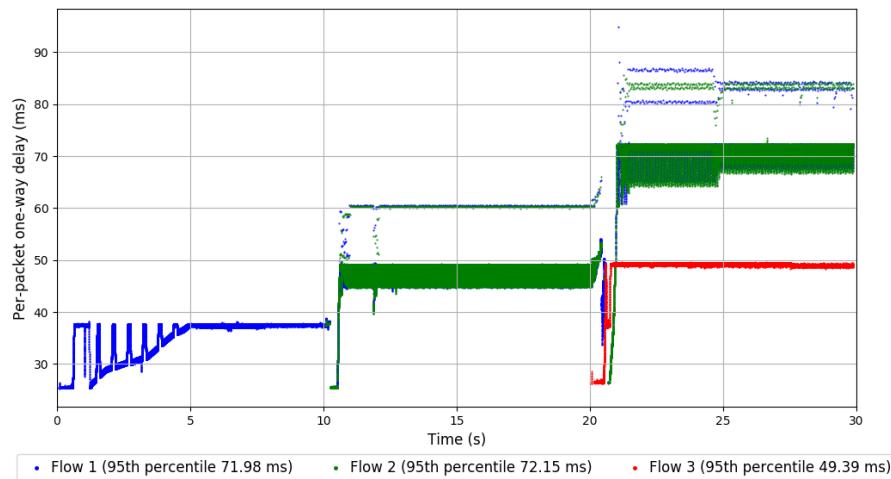
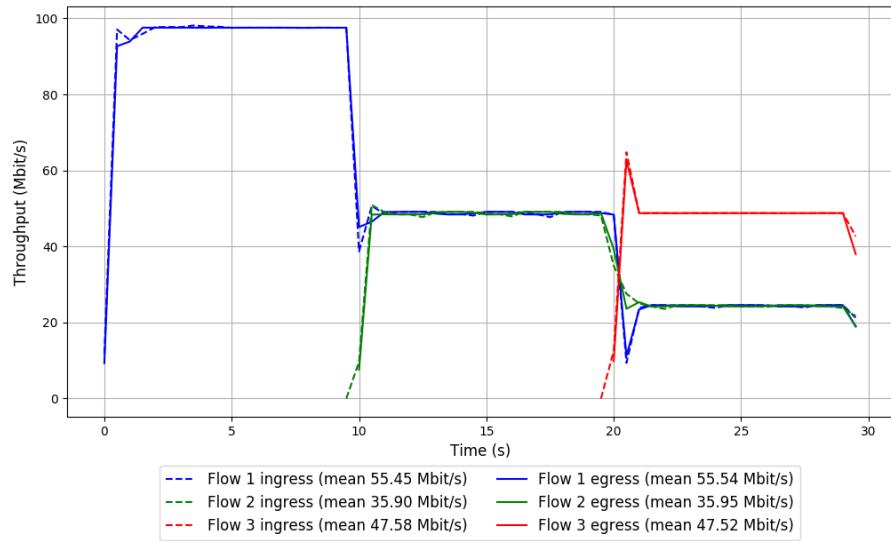


Run 10: Statistics of TCP BBR

```
Start at: 2017-09-18 09:02:24
End at: 2017-09-18 09:02:54
Local clock offset: 0.944 ms
Remote clock offset: -0.299 ms

# Below is generated by plot.py at 2017-09-18 11:32:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 72.016 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 71.976 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 72.147 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 49.388 ms
Loss rate: 1.00%
```

Run 10: Report of TCP BBR — Data Link

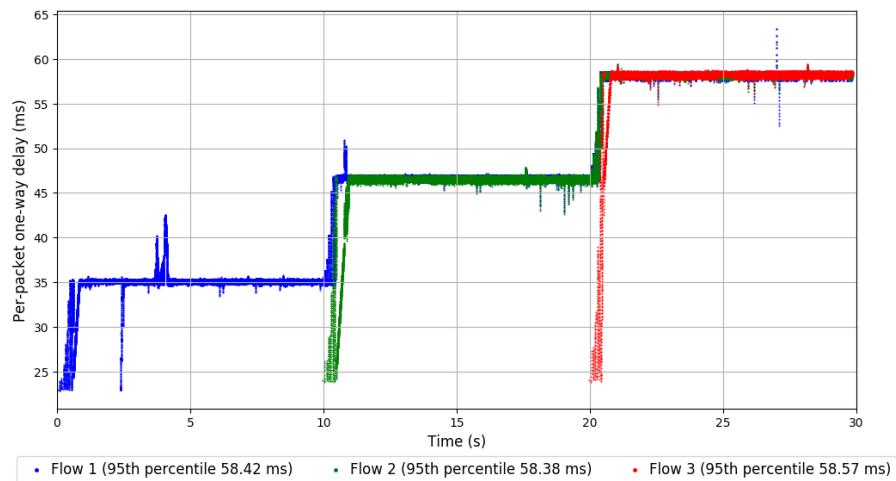
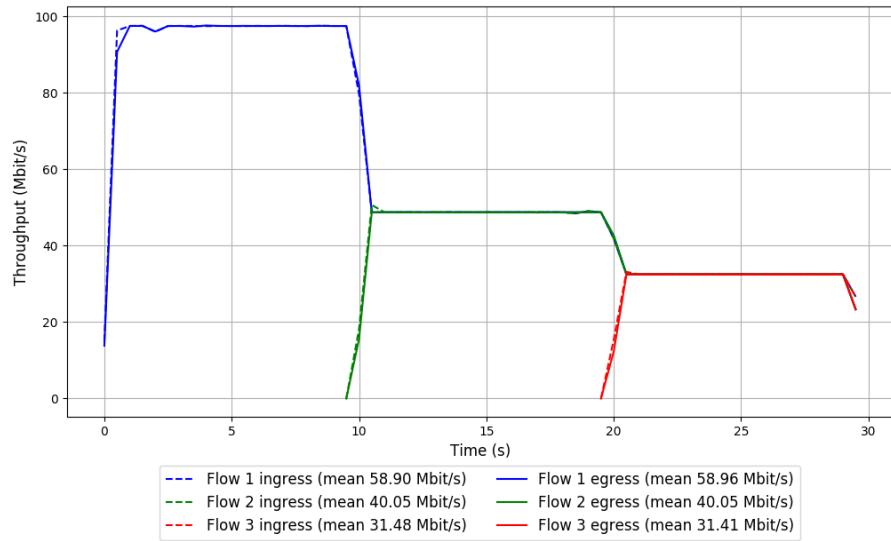


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-09-18 06:46:27
End at: 2017-09-18 06:46:57
Local clock offset: 2.202 ms
Remote clock offset: -2.025 ms

# Below is generated by plot.py at 2017-09-18 11:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 58.432 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 58.424 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 58.375 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 58.569 ms
Loss rate: 1.13%
```

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-09-18 07:00:16

End at: 2017-09-18 07:00:46

Local clock offset: 1.974 ms

Remote clock offset: -1.76 ms

Run 2: Report of TCP Cubic — Data Link

Figure is missing

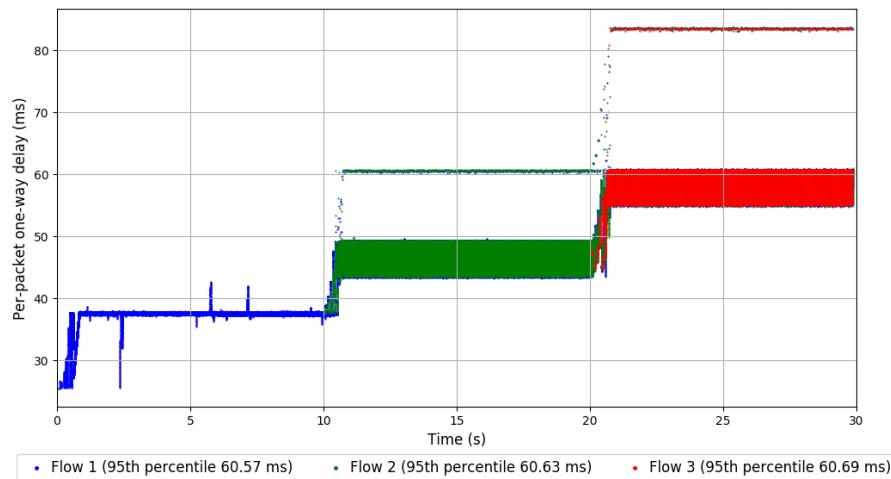
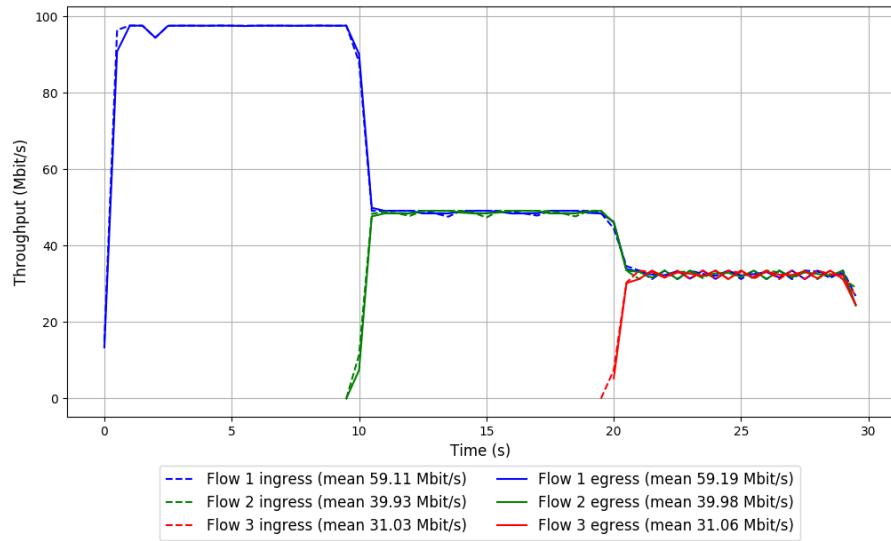
Figure is missing

Run 3: Statistics of TCP Cubic

```
Start at: 2017-09-18 07:14:08
End at: 2017-09-18 07:14:38
Local clock offset: 1.944 ms
Remote clock offset: -3.304 ms

# Below is generated by plot.py at 2017-09-18 11:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 60.618 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 60.570 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 60.630 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 60.692 ms
Loss rate: 1.09%
```

Run 3: Report of TCP Cubic — Data Link

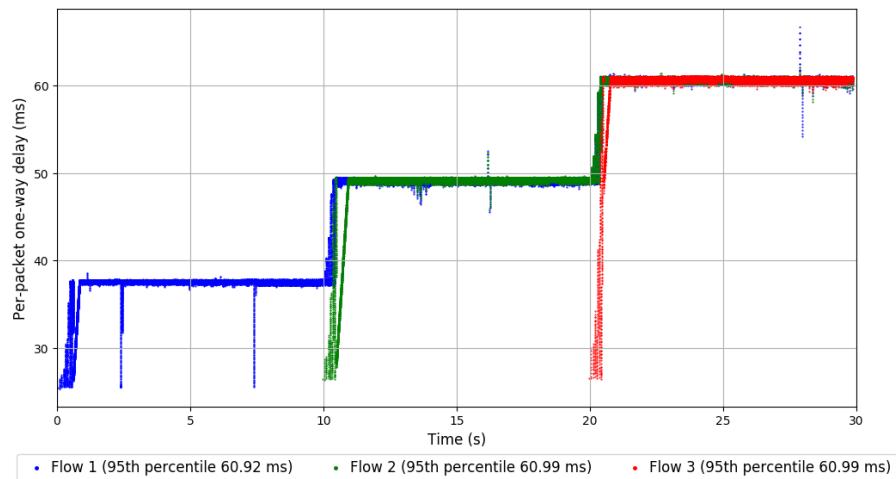
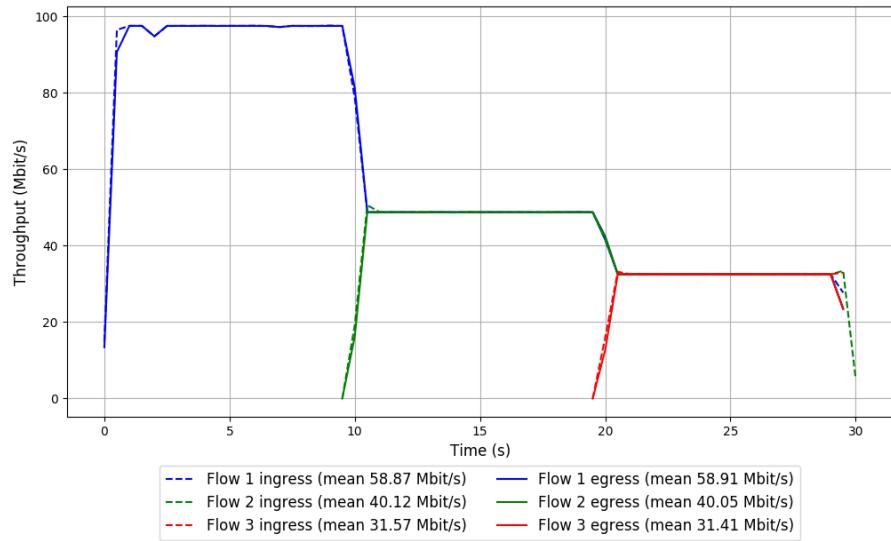


Run 4: Statistics of TCP Cubic

```
Start at: 2017-09-18 07:28:00
End at: 2017-09-18 07:28:30
Local clock offset: 1.733 ms
Remote clock offset: -2.535 ms

# Below is generated by plot.py at 2017-09-18 11:33:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 60.965 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 60.919 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 60.992 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 60.988 ms
Loss rate: 2.12%
```

Run 4: Report of TCP Cubic — Data Link

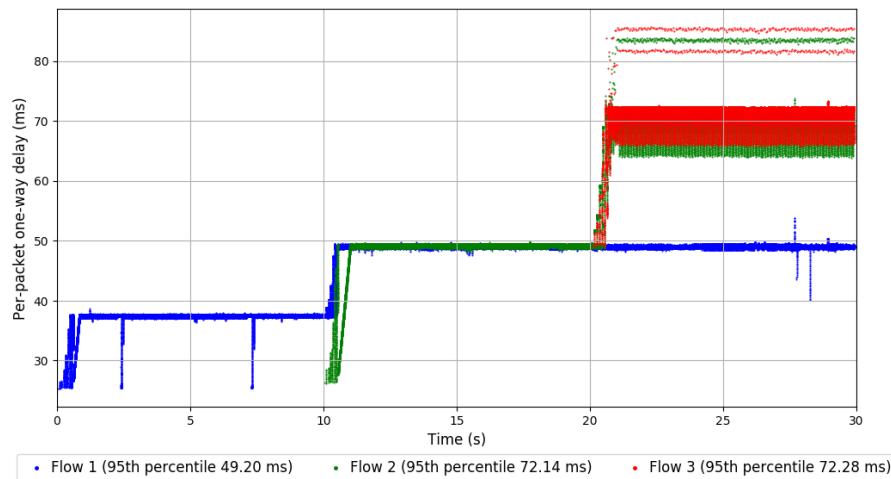
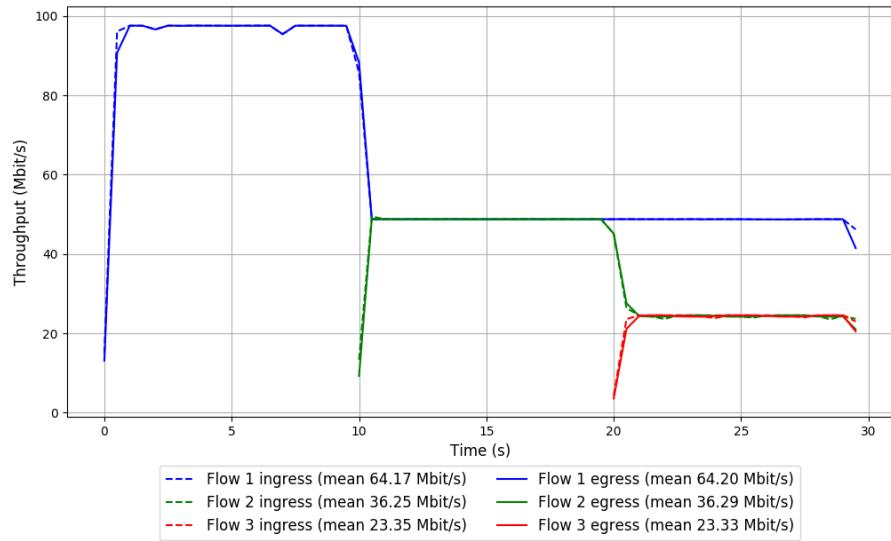


Run 5: Statistics of TCP Cubic

```
Start at: 2017-09-18 07:41:49
End at: 2017-09-18 07:42:19
Local clock offset: 1.539 ms
Remote clock offset: -1.763 ms

# Below is generated by plot.py at 2017-09-18 11:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 72.021 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 49.200 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 72.136 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 72.278 ms
Loss rate: 1.26%
```

Run 5: Report of TCP Cubic — Data Link

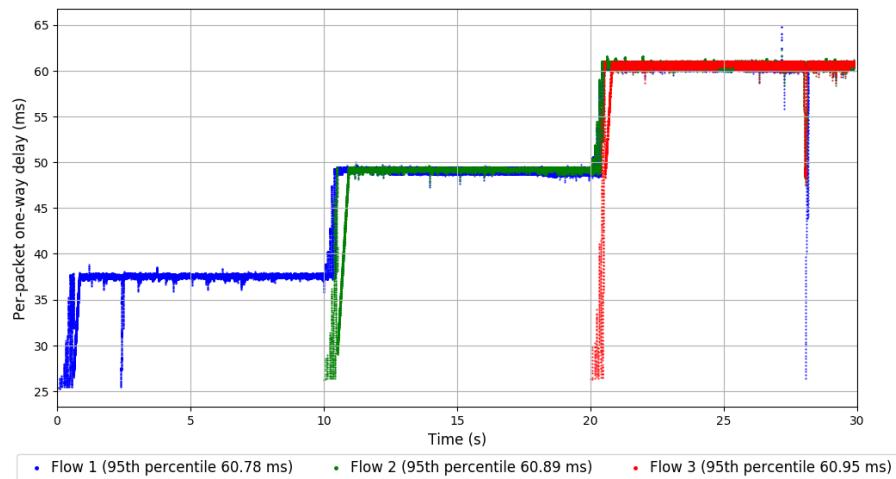
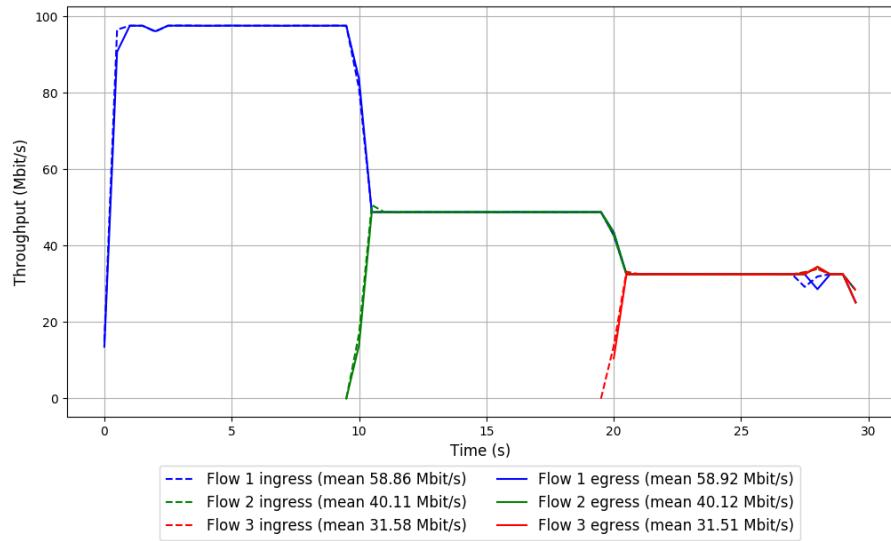


Run 6: Statistics of TCP Cubic

```
Start at: 2017-09-18 07:55:44
End at: 2017-09-18 07:56:14
Local clock offset: 1.401 ms
Remote clock offset: -1.256 ms

# Below is generated by plot.py at 2017-09-18 11:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 60.870 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 60.777 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 60.889 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 60.949 ms
Loss rate: 1.13%
```

Run 6: Report of TCP Cubic — Data Link

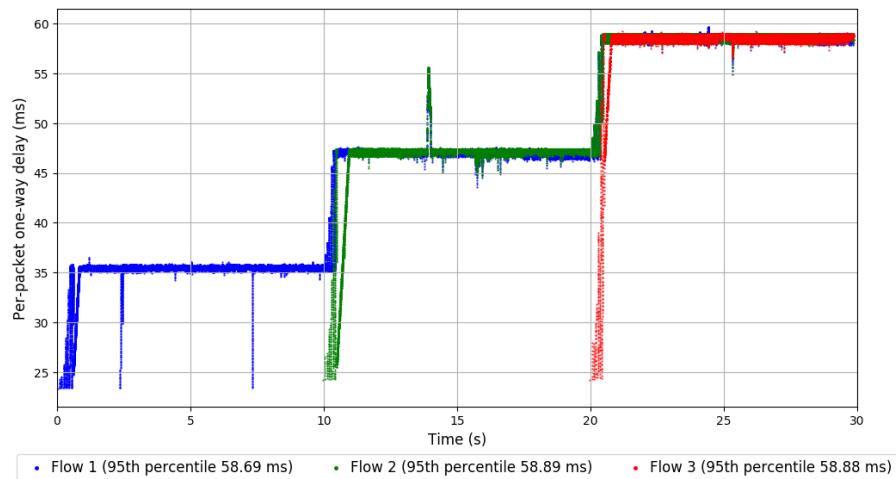
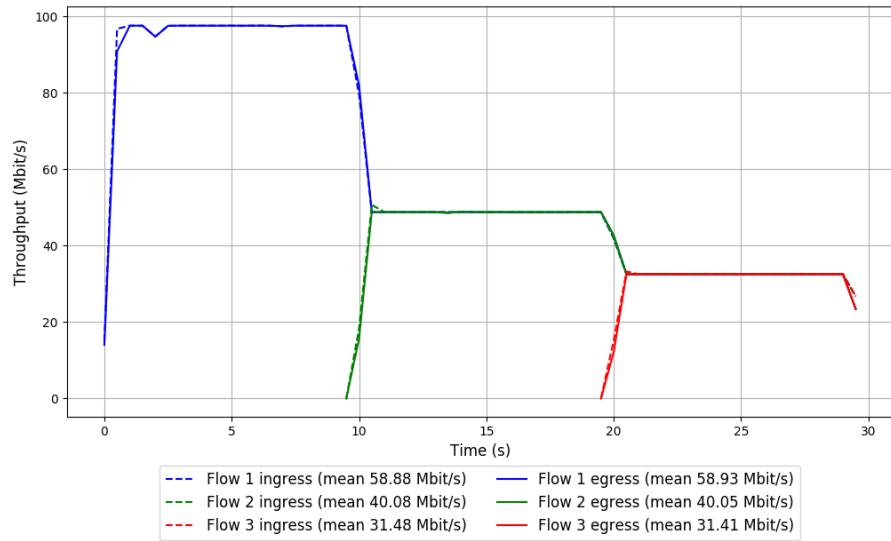


Run 7: Statistics of TCP Cubic

```
Start at: 2017-09-18 08:09:36
End at: 2017-09-18 08:10:06
Local clock offset: 1.383 ms
Remote clock offset: 1.464 ms

# Below is generated by plot.py at 2017-09-18 11:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 58.827 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.93 Mbit/s
95th percentile per-packet one-way delay: 58.691 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 58.891 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 58.883 ms
Loss rate: 1.13%
```

Run 7: Report of TCP Cubic — Data Link

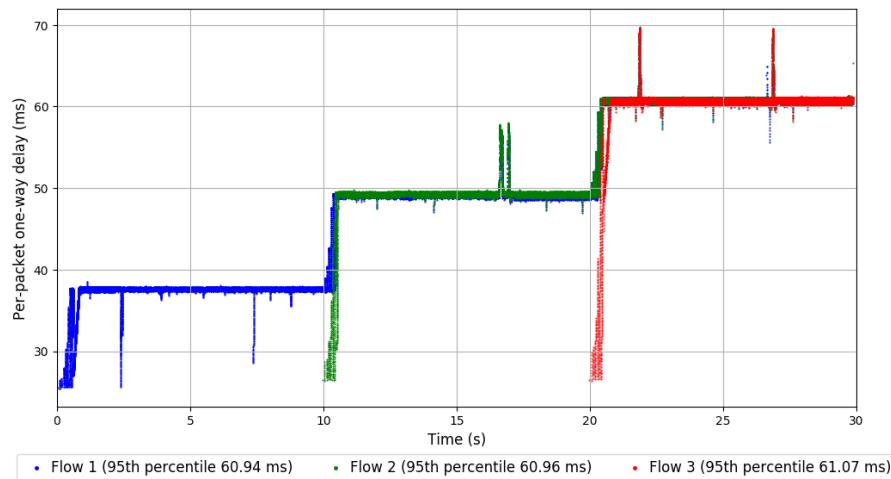
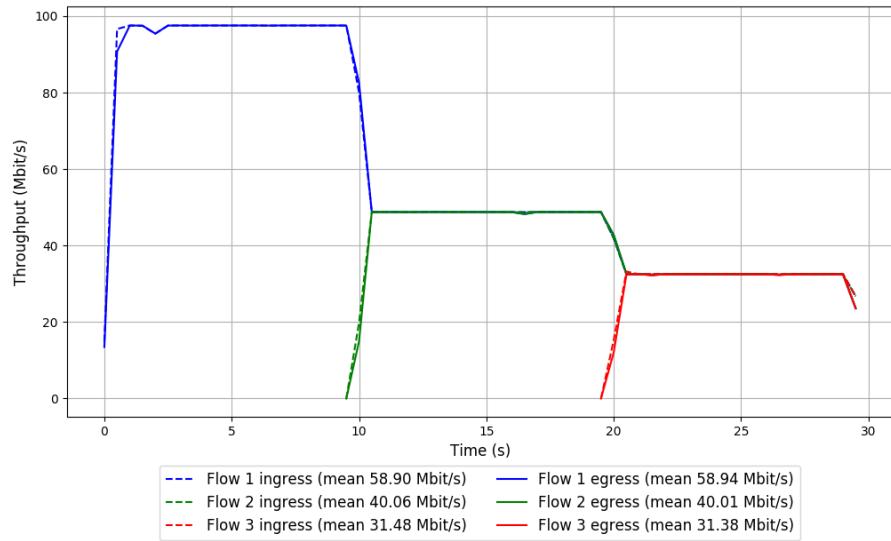


Run 8: Statistics of TCP Cubic

```
Start at: 2017-09-18 08:23:34
End at: 2017-09-18 08:24:04
Local clock offset: 1.237 ms
Remote clock offset: -0.59 ms

# Below is generated by plot.py at 2017-09-18 11:33:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 60.979 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 60.944 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 60.957 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 61.073 ms
Loss rate: 1.21%
```

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-09-18 08:37:29

End at: 2017-09-18 08:37:59

Local clock offset: 1.122 ms

Remote clock offset: 2.137 ms

Run 9: Report of TCP Cubic — Data Link

Figure is missing

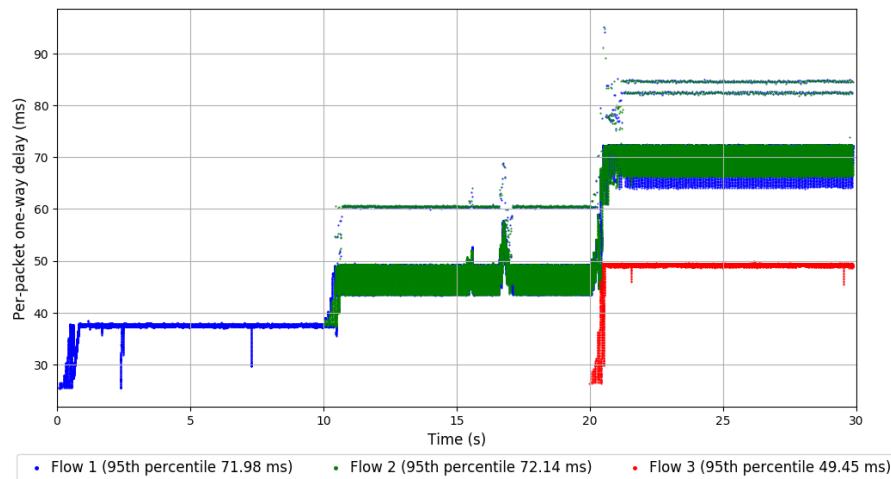
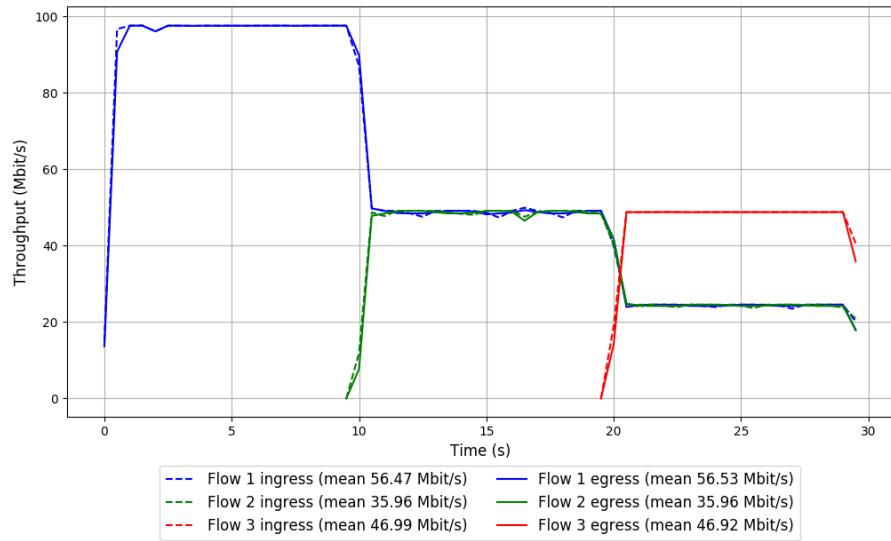
Figure is missing

```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2017-09-18 08:51:21
End at: 2017-09-18 08:51:51
Local clock offset: 0.935 ms
Remote clock offset: -0.441 ms

# Below is generated by plot.py at 2017-09-18 11:33:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 72.018 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 71.980 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 72.142 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 46.92 Mbit/s
95th percentile per-packet one-way delay: 49.445 ms
Loss rate: 1.01%
```

Run 10: Report of TCP Cubic — Data Link

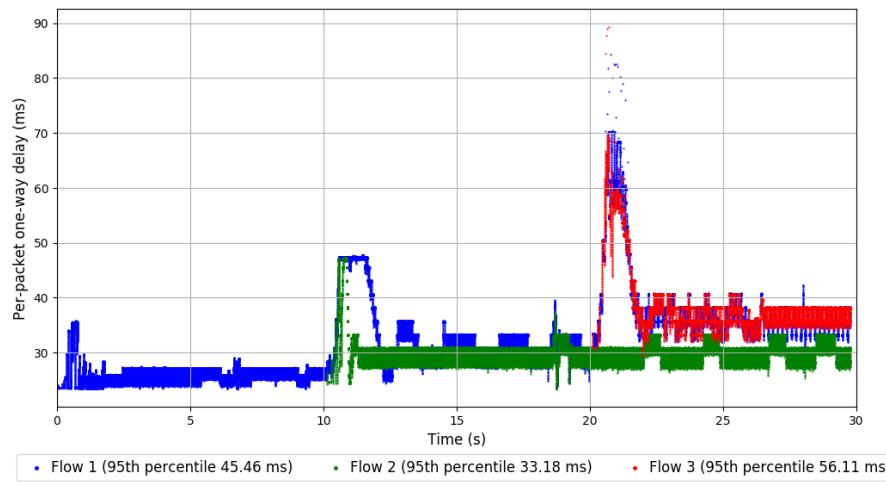
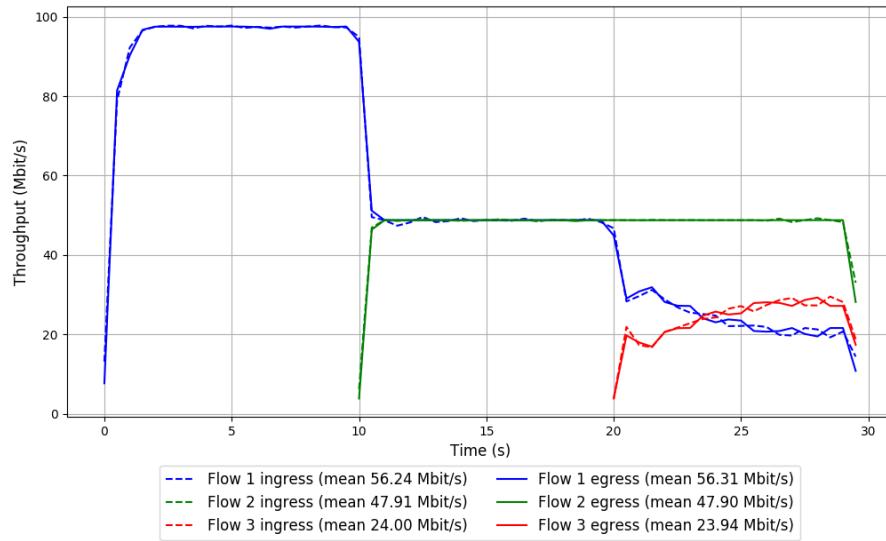


Run 1: Statistics of Indigo

```
Start at: 2017-09-18 06:50:32
End at: 2017-09-18 06:51:02
Local clock offset: 2.222 ms
Remote clock offset: -2.401 ms

# Below is generated by plot.py at 2017-09-18 11:34:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 40.588 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 45.460 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 33.177 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 56.113 ms
Loss rate: 1.07%
```

Run 1: Report of Indigo — Data Link

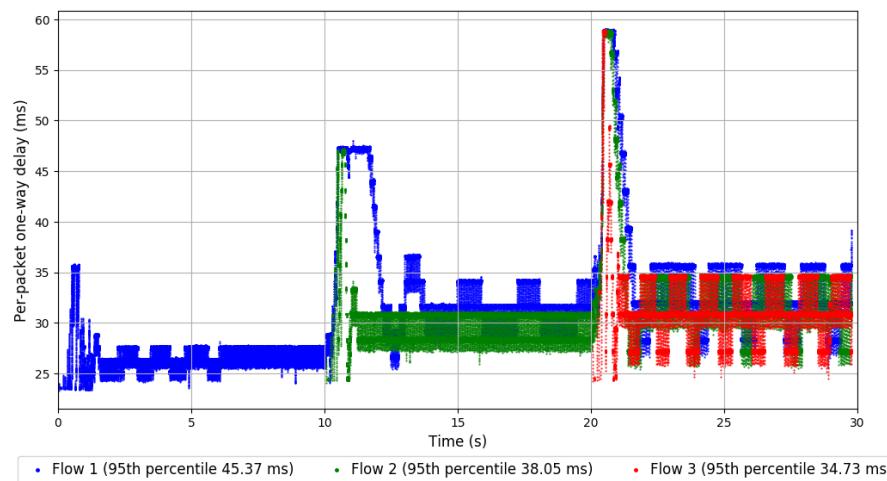
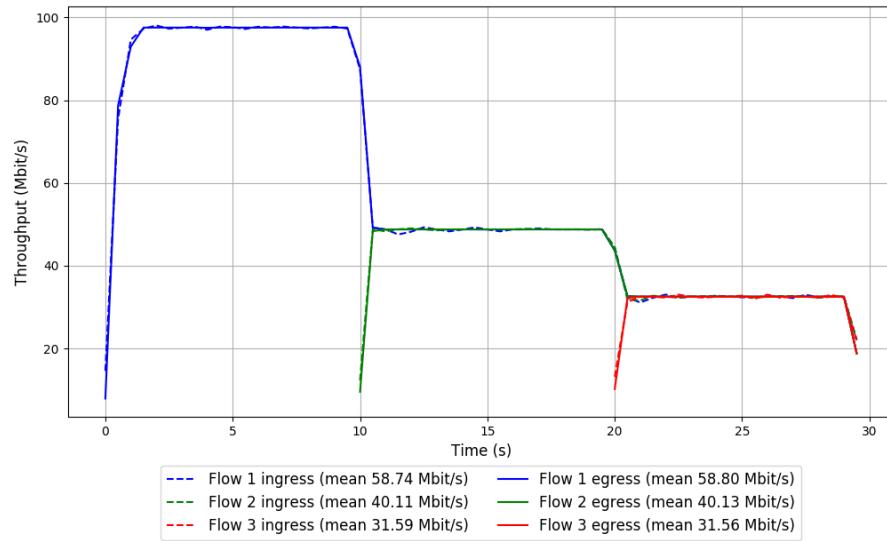


Run 2: Statistics of Indigo

```
Start at: 2017-09-18 07:04:25
End at: 2017-09-18 07:04:55
Local clock offset: 1.925 ms
Remote clock offset: -1.87 ms

# Below is generated by plot.py at 2017-09-18 11:34:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 41.230 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 45.368 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 38.053 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 34.733 ms
Loss rate: 0.81%
```

Run 2: Report of Indigo — Data Link

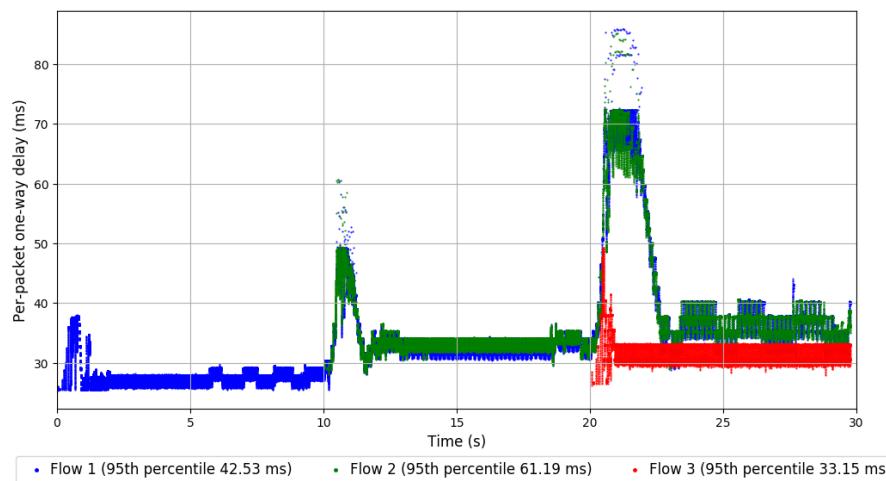
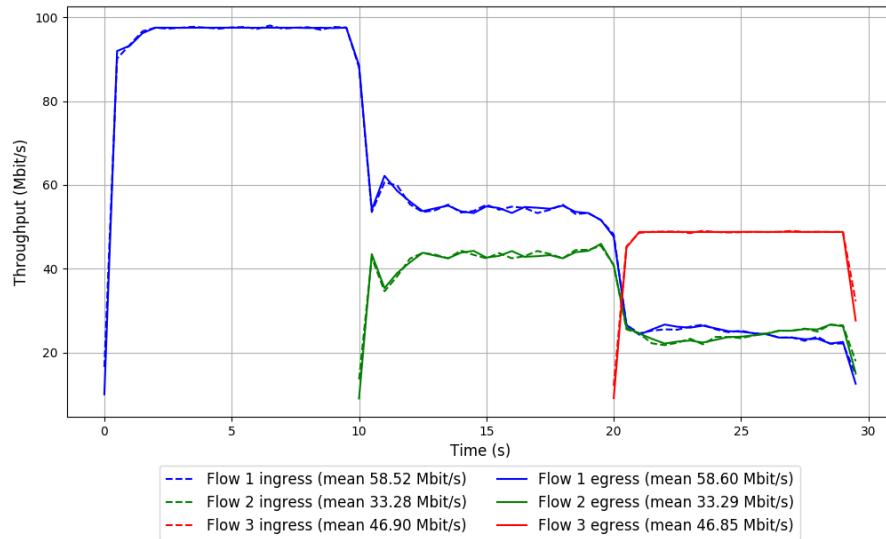


Run 3: Statistics of Indigo

```
Start at: 2017-09-18 07:18:16
End at: 2017-09-18 07:18:46
Local clock offset: 1.804 ms
Remote clock offset: -3.088 ms

# Below is generated by plot.py at 2017-09-18 11:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 44.042 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 42.532 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 61.189 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 33.150 ms
Loss rate: 0.85%
```

Run 3: Report of Indigo — Data Link

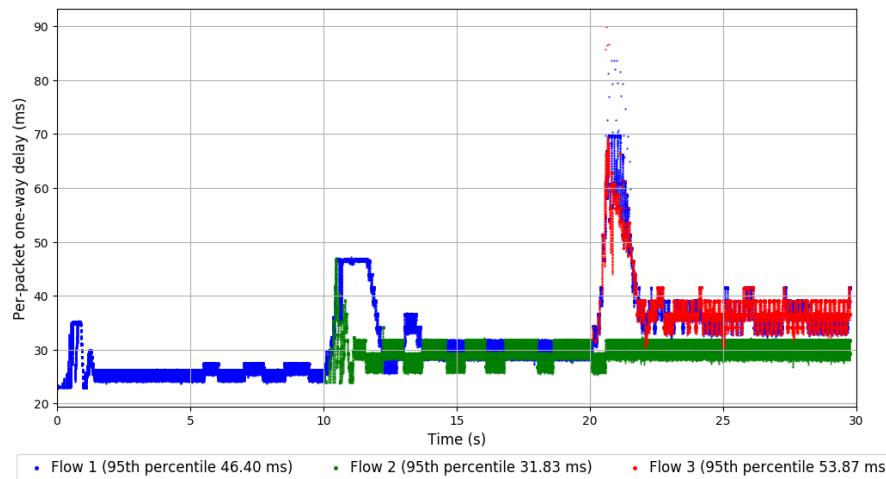
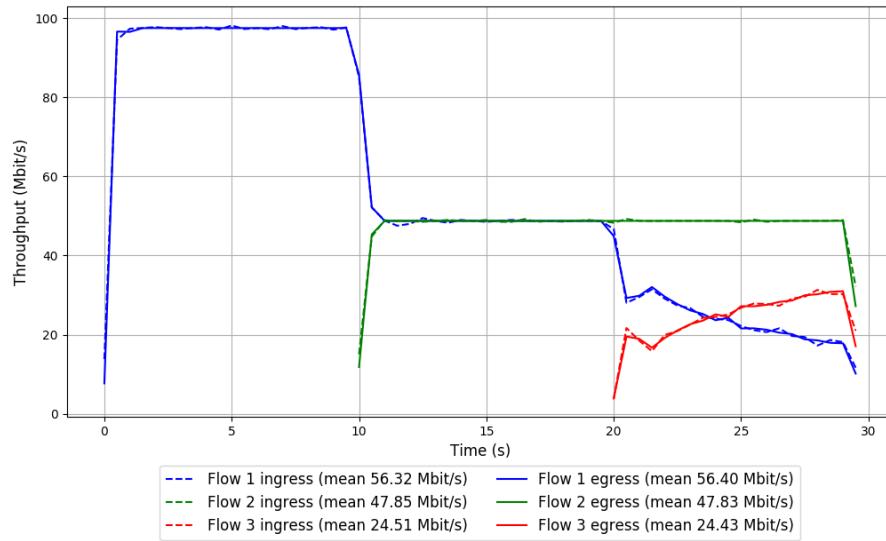


Run 4: Statistics of Indigo

```
Start at: 2017-09-18 07:32:07
End at: 2017-09-18 07:32:37
Local clock offset: 1.78 ms
Remote clock offset: 0.405 ms

# Below is generated by plot.py at 2017-09-18 11:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 41.418 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 56.40 Mbit/s
95th percentile per-packet one-way delay: 46.403 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 31.827 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 53.871 ms
Loss rate: 1.15%
```

Run 4: Report of Indigo — Data Link

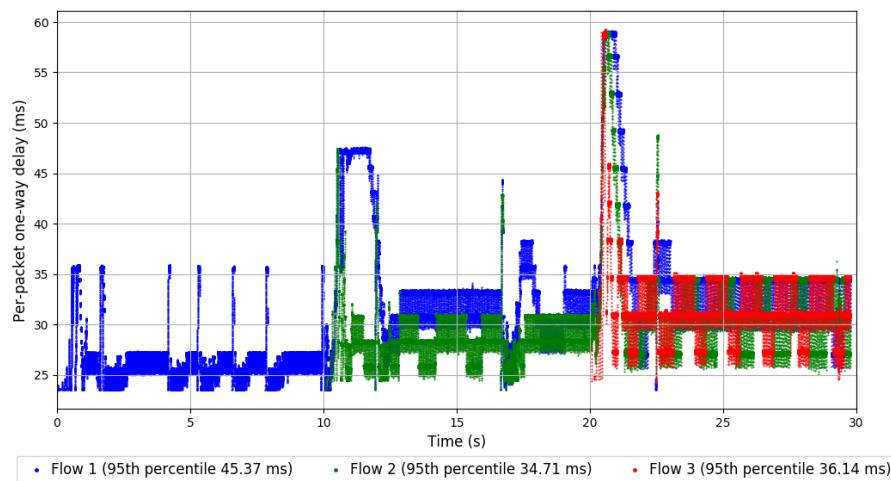
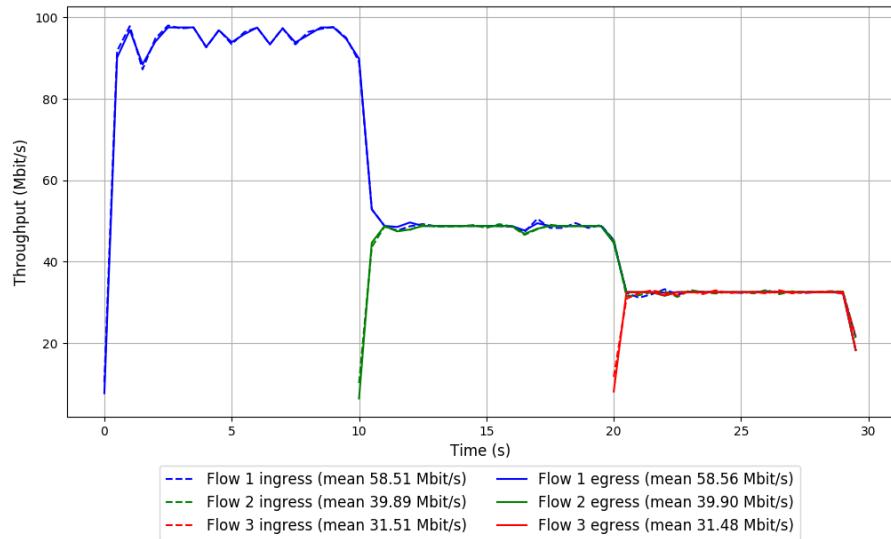


Run 5: Statistics of Indigo

```
Start at: 2017-09-18 07:45:59
End at: 2017-09-18 07:46:29
Local clock offset: 1.597 ms
Remote clock offset: 0.394 ms

# Below is generated by plot.py at 2017-09-18 11:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 40.567 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 45.365 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 34.714 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 36.137 ms
Loss rate: 0.85%
```

Run 5: Report of Indigo — Data Link

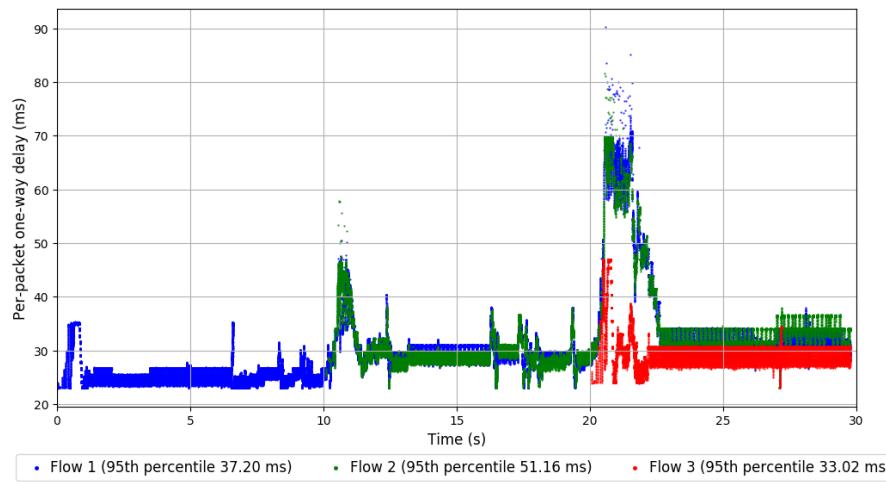
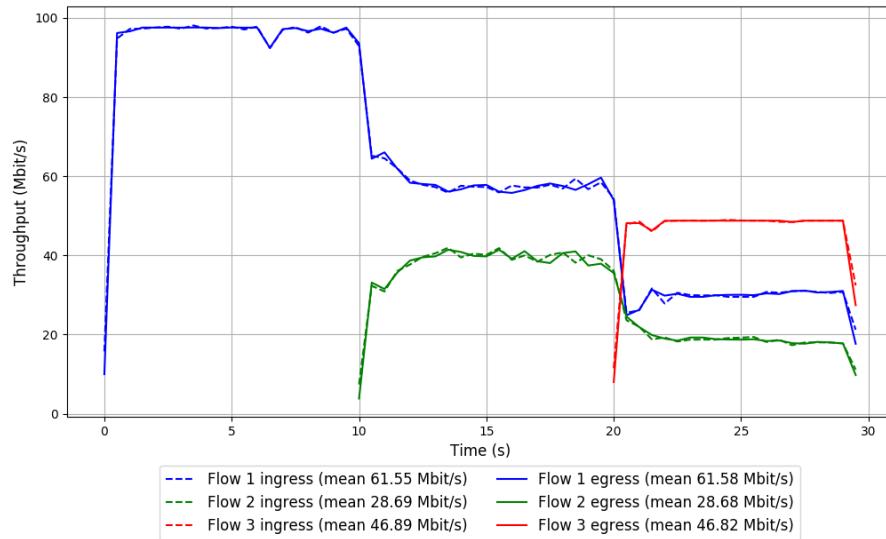


Run 6: Statistics of Indigo

```
Start at: 2017-09-18 07:59:54
End at: 2017-09-18 08:00:24
Local clock offset: 1.449 ms
Remote clock offset: 1.449 ms

# Below is generated by plot.py at 2017-09-18 11:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 39.493 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 37.200 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 51.159 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 33.018 ms
Loss rate: 0.90%
```

Run 6: Report of Indigo — Data Link

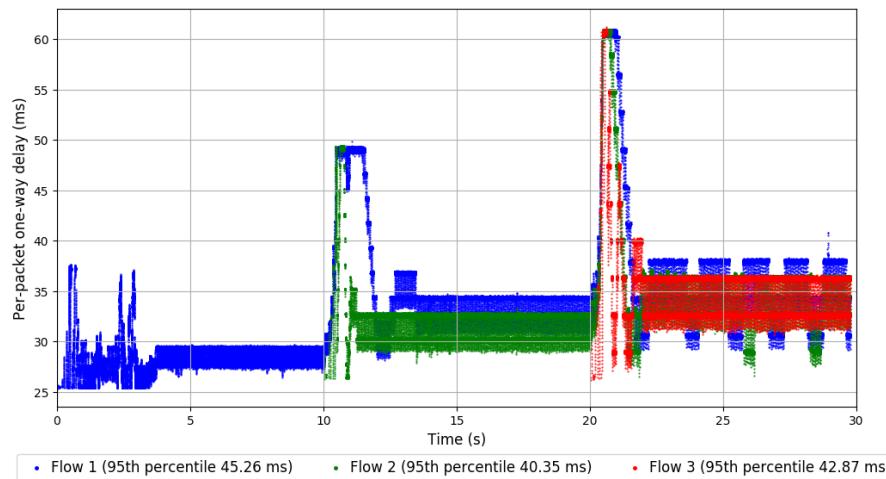
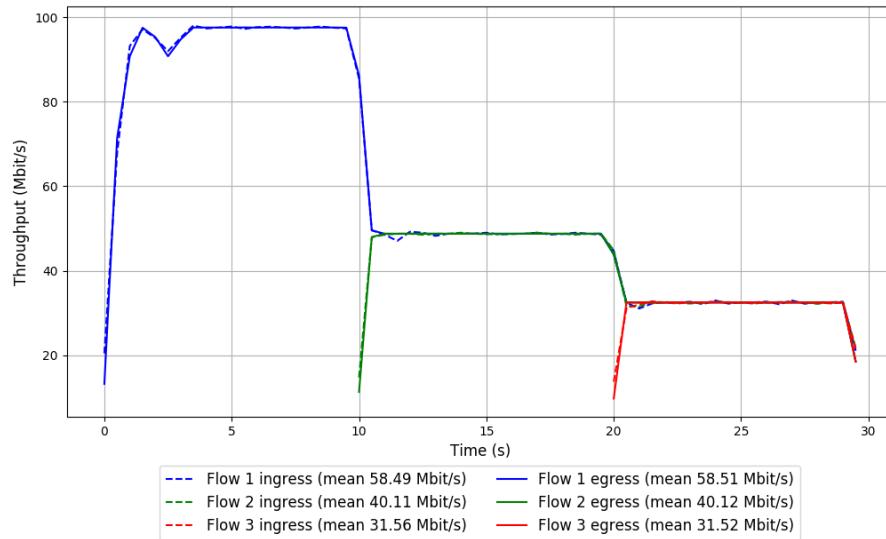


Run 7: Statistics of Indigo

```
Start at: 2017-09-18 08:13:43
End at: 2017-09-18 08:14:13
Local clock offset: 1.242 ms
Remote clock offset: -0.606 ms

# Below is generated by plot.py at 2017-09-18 11:34:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 43.709 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 45.261 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 40.354 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 42.865 ms
Loss rate: 0.85%
```

Run 7: Report of Indigo — Data Link

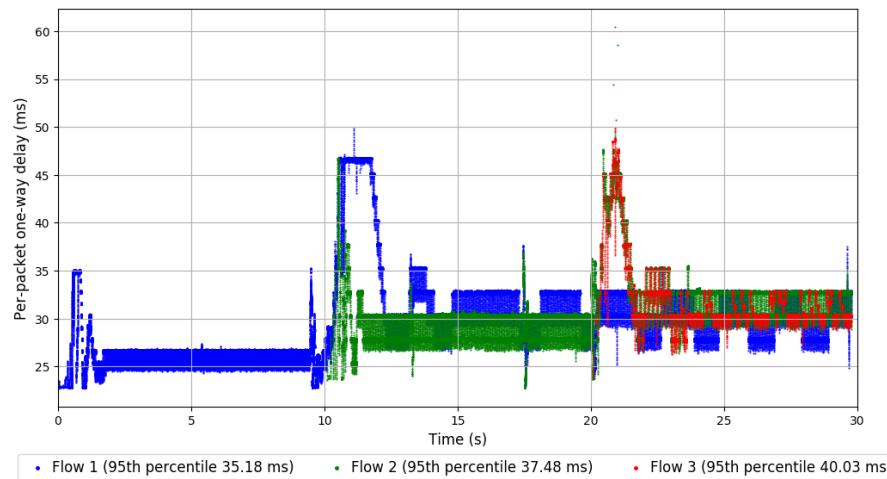
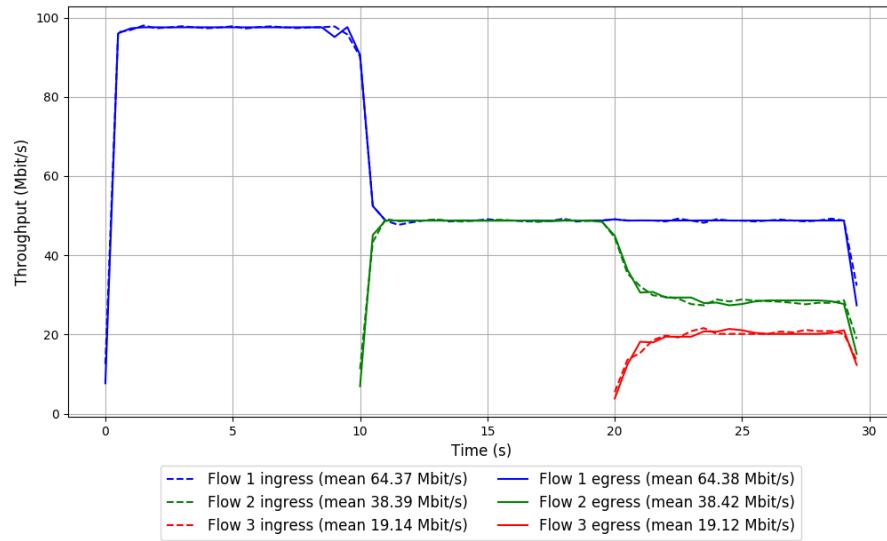


Run 8: Statistics of Indigo

```
Start at: 2017-09-18 08:27:42
End at: 2017-09-18 08:28:12
Local clock offset: 1.103 ms
Remote clock offset: 2.16 ms

# Below is generated by plot.py at 2017-09-18 11:35:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 35.329 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 64.38 Mbit/s
95th percentile per-packet one-way delay: 35.180 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 37.478 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 19.12 Mbit/s
95th percentile per-packet one-way delay: 40.035 ms
Loss rate: 0.90%
```

Run 8: Report of Indigo — Data Link

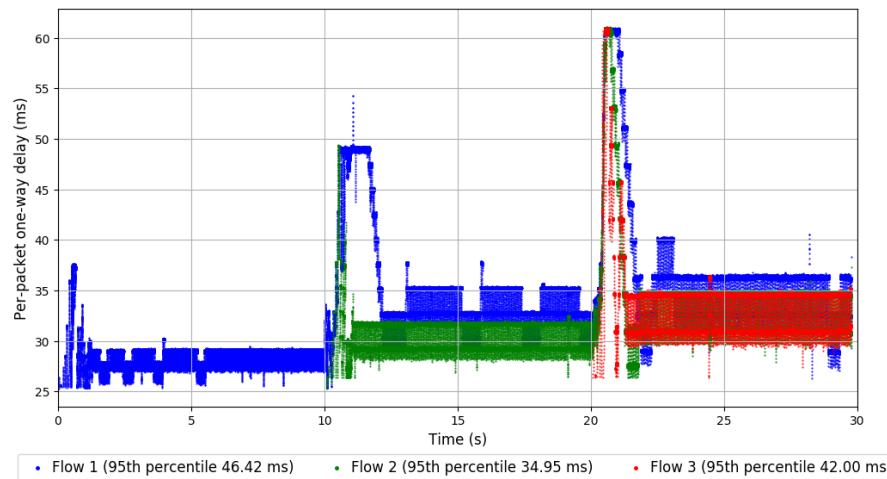
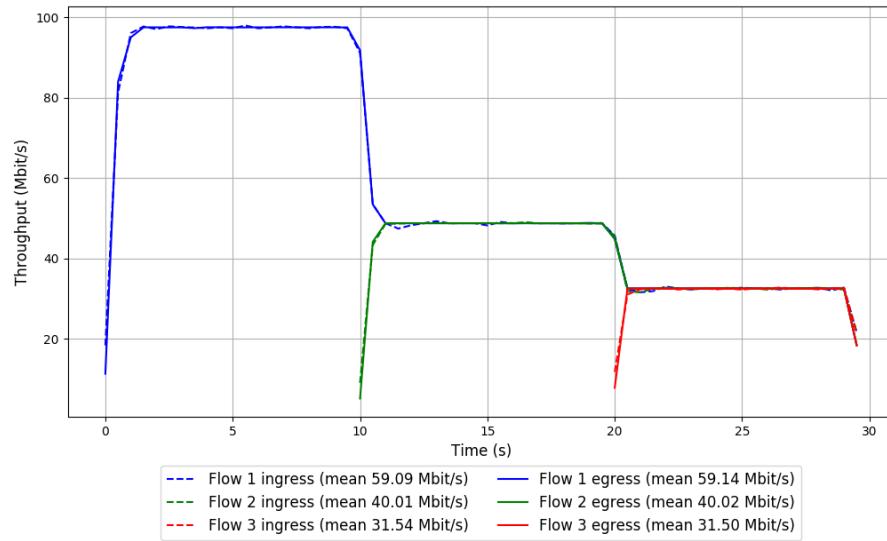


Run 9: Statistics of Indigo

```
Start at: 2017-09-18 08:41:38
End at: 2017-09-18 08:42:08
Local clock offset: 0.981 ms
Remote clock offset: -0.48 ms

# Below is generated by plot.py at 2017-09-18 11:35:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 42.055 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 46.416 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.02 Mbit/s
95th percentile per-packet one-way delay: 34.951 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 41.998 ms
Loss rate: 0.87%
```

Run 9: Report of Indigo — Data Link

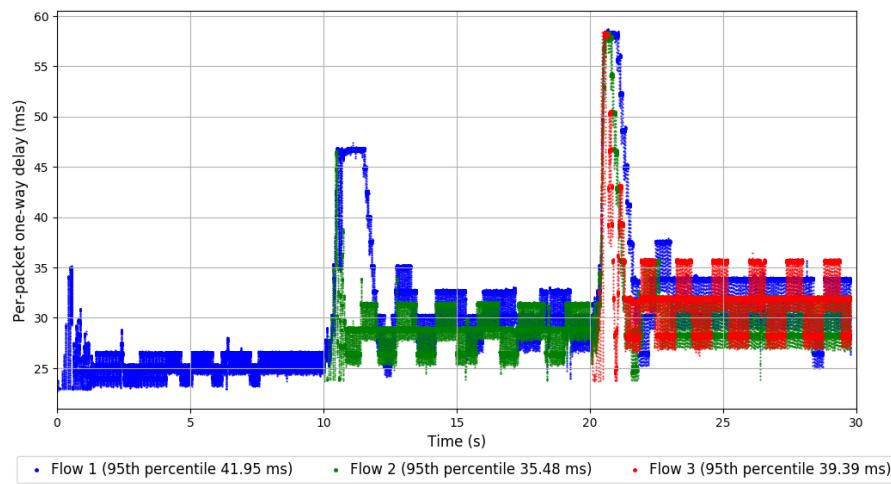
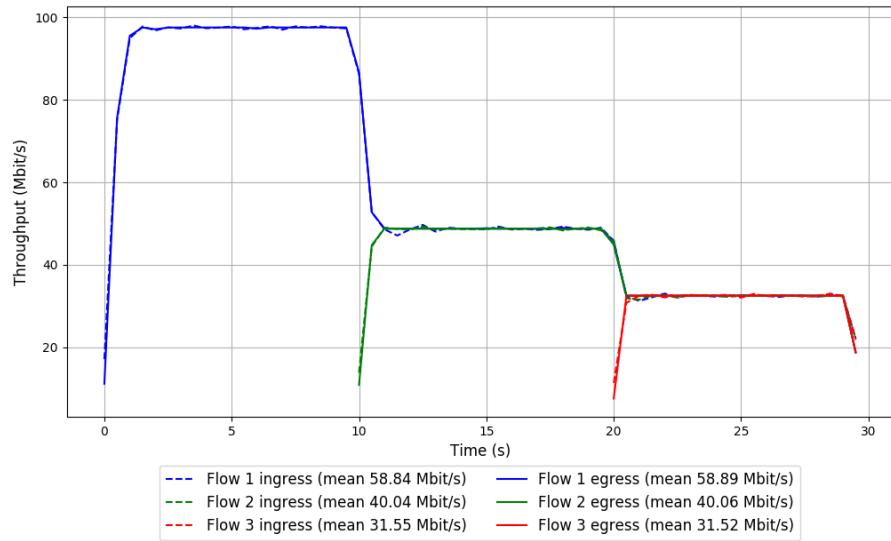


Run 10: Statistics of Indigo

```
Start at: 2017-09-18 08:55:28
End at: 2017-09-18 08:55:58
Local clock offset: 0.888 ms
Remote clock offset: 2.153 ms

# Below is generated by plot.py at 2017-09-18 11:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 38.502 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 41.947 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 40.06 Mbit/s
95th percentile per-packet one-way delay: 35.485 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 39.393 ms
Loss rate: 0.84%
```

Run 10: Report of Indigo — Data Link

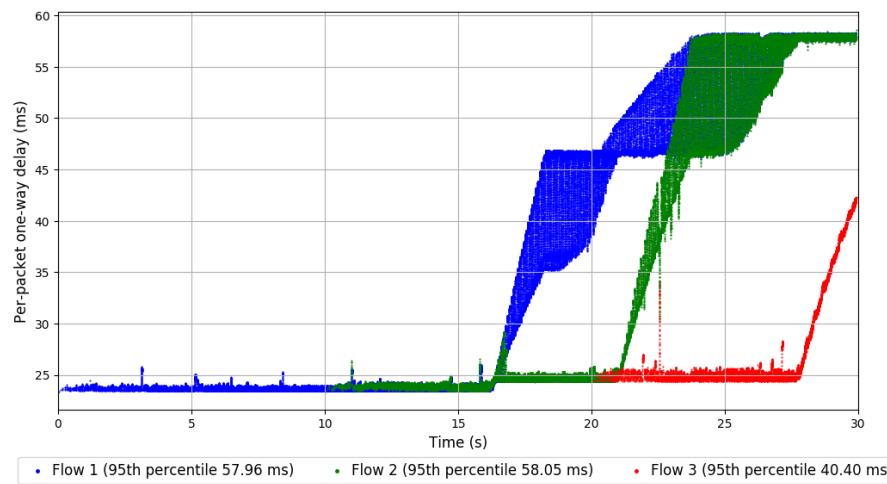
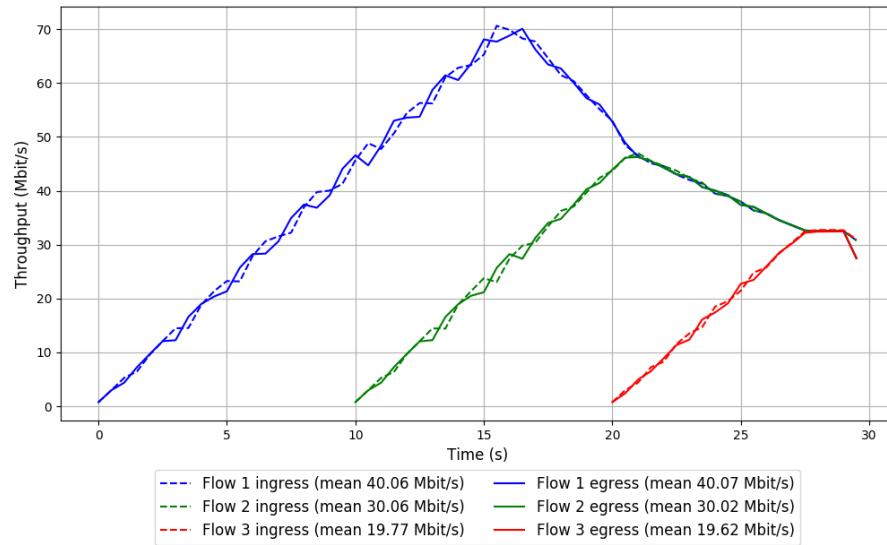


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-09-18 06:47:50
End at: 2017-09-18 06:48:20
Local clock offset: 2.205 ms
Remote clock offset: -2.475 ms

# Below is generated by plot.py at 2017-09-18 11:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.52 Mbit/s
95th percentile per-packet one-way delay: 57.977 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 57.964 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 58.046 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 40.403 ms
Loss rate: 1.54%
```

Run 1: Report of LEDBAT — Data Link

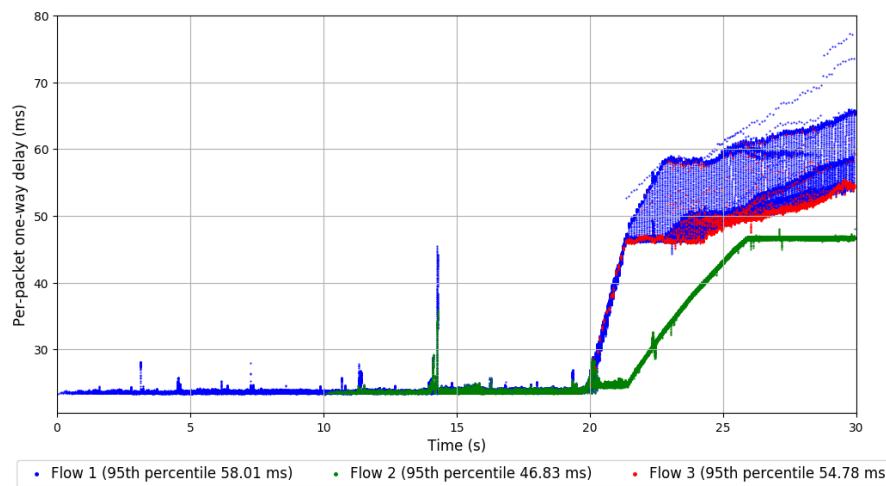
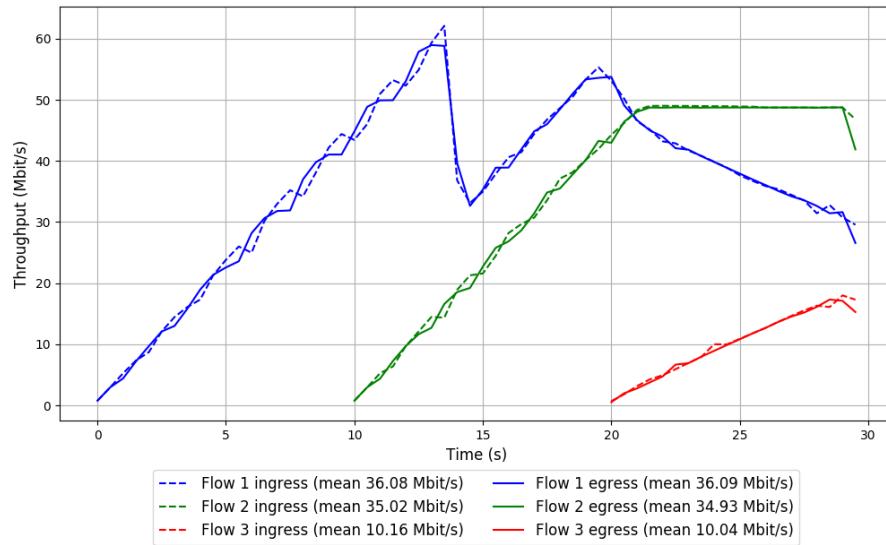


Run 2: Statistics of LEDBAT

```
Start at: 2017-09-18 07:01:38
End at: 2017-09-18 07:02:08
Local clock offset: 1.955 ms
Remote clock offset: -2.12 ms

# Below is generated by plot.py at 2017-09-18 11:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.64 Mbit/s
95th percentile per-packet one-way delay: 54.847 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 36.09 Mbit/s
95th percentile per-packet one-way delay: 58.009 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 46.833 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 10.04 Mbit/s
95th percentile per-packet one-way delay: 54.785 ms
Loss rate: 1.91%
```

Run 2: Report of LEDBAT — Data Link

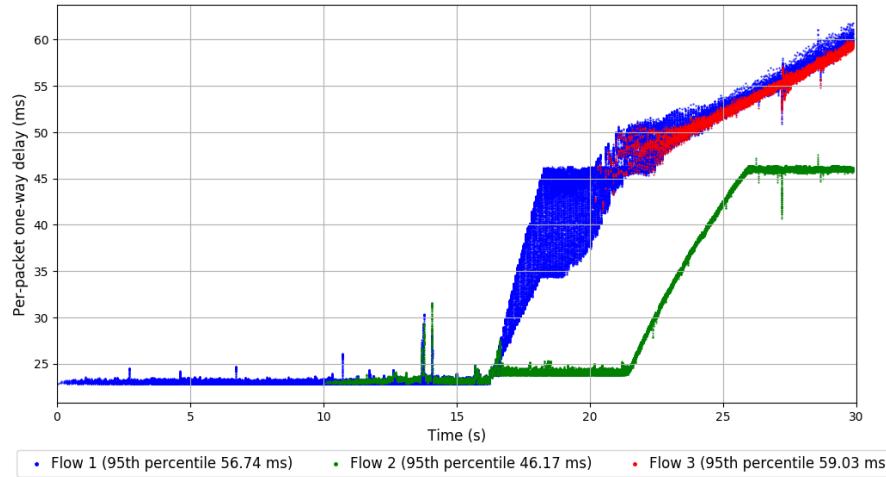
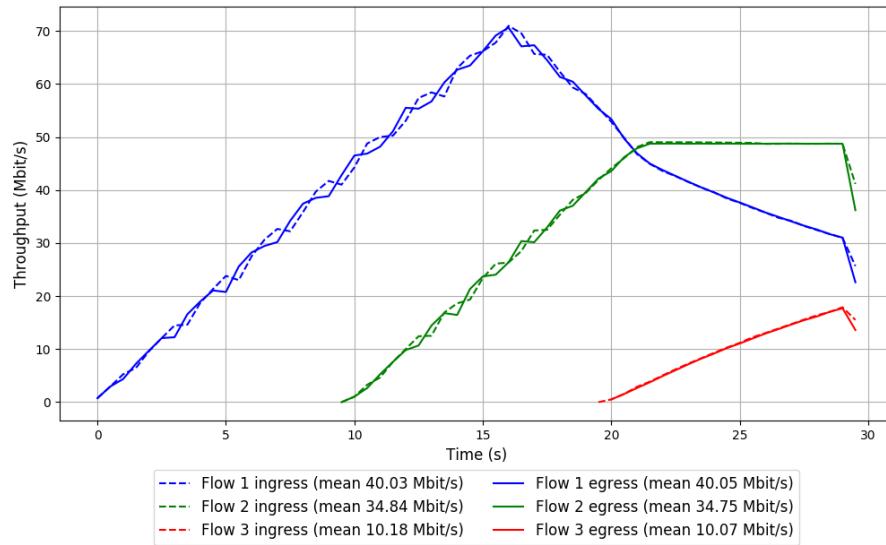


Run 3: Statistics of LEDBAT

```
Start at: 2017-09-18 07:15:32
End at: 2017-09-18 07:16:02
Local clock offset: 1.83 ms
Remote clock offset: -0.593 ms

# Below is generated by plot.py at 2017-09-18 11:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.53 Mbit/s
95th percentile per-packet one-way delay: 56.427 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 56.742 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 34.75 Mbit/s
95th percentile per-packet one-way delay: 46.173 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 59.035 ms
Loss rate: 2.01%
```

Run 3: Report of LEDBAT — Data Link

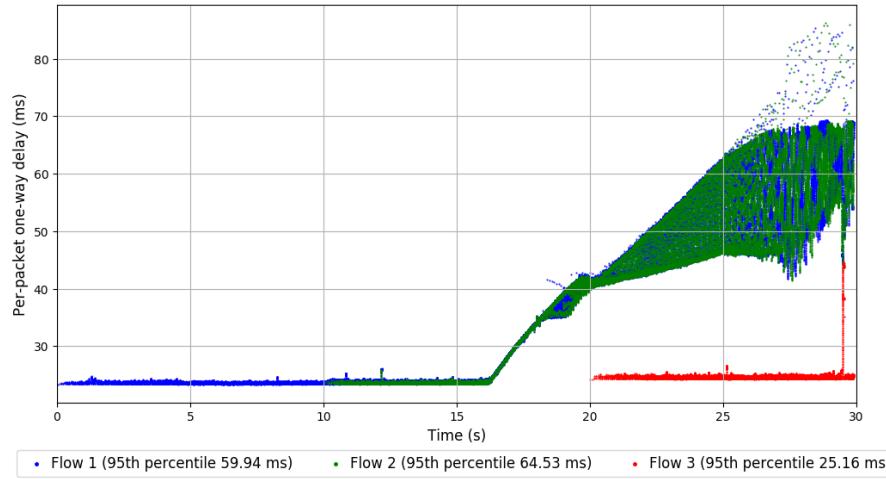
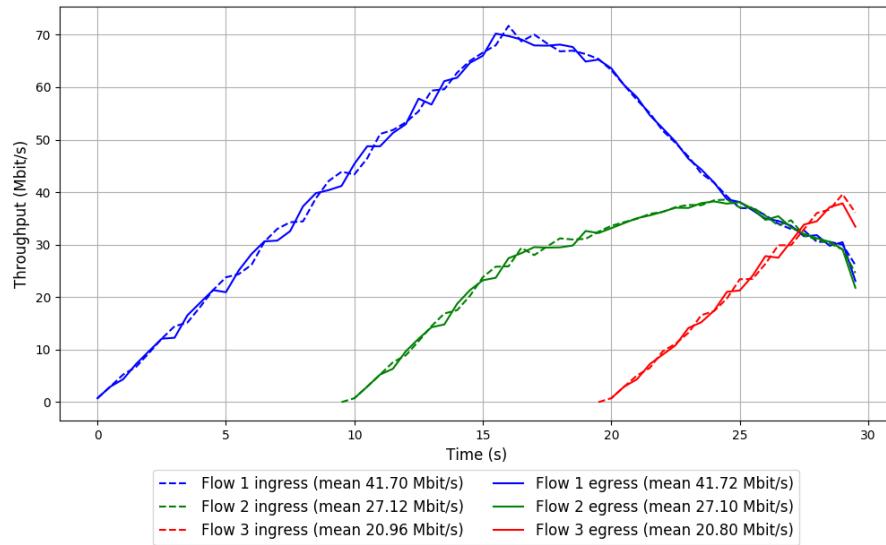


Run 4: Statistics of LEDBAT

```
Start at: 2017-09-18 07:29:23
End at: 2017-09-18 07:29:53
Local clock offset: 1.823 ms
Remote clock offset: -0.254 ms

# Below is generated by plot.py at 2017-09-18 11:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 61.327 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 59.943 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 64.529 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 25.159 ms
Loss rate: 1.52%
```

Run 4: Report of LEDBAT — Data Link

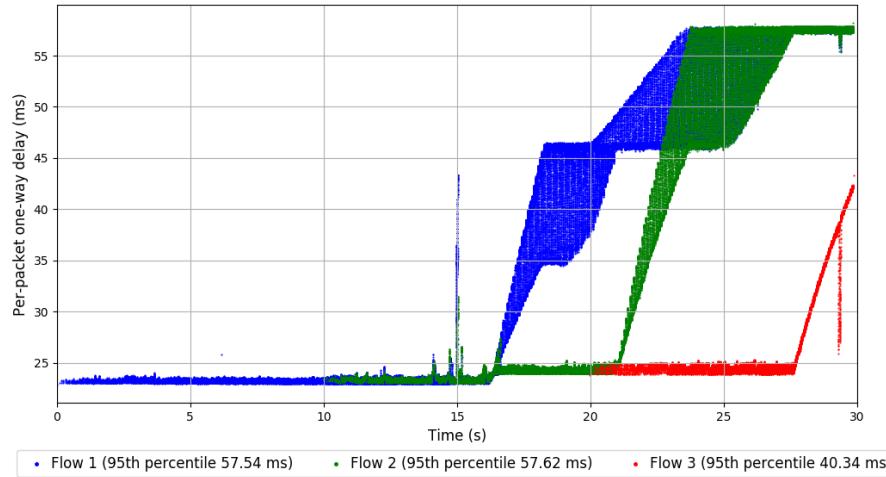
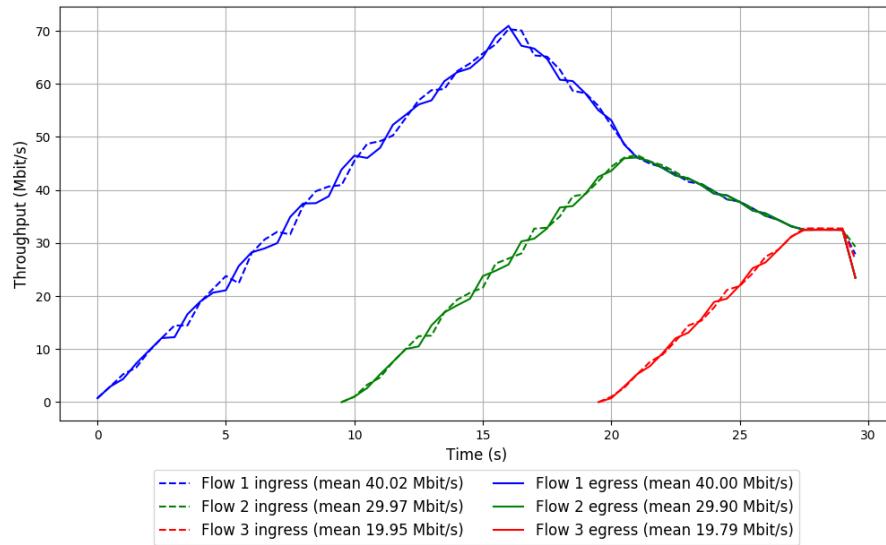


Run 5: Statistics of LEDBAT

```
Start at: 2017-09-18 07:43:13
End at: 2017-09-18 07:43:43
Local clock offset: 1.621 ms
Remote clock offset: 0.794 ms

# Below is generated by plot.py at 2017-09-18 11:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 57.564 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 57.544 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 57.624 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 40.339 ms
Loss rate: 1.52%
```

Run 5: Report of LEDBAT — Data Link

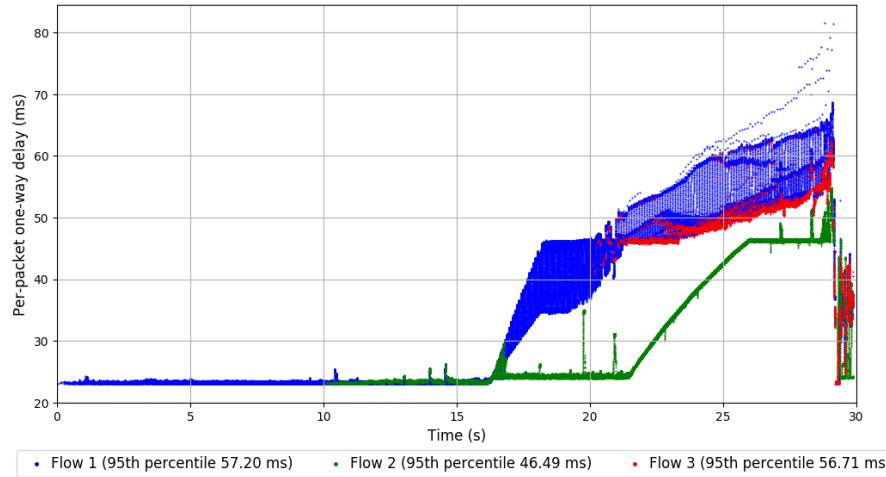
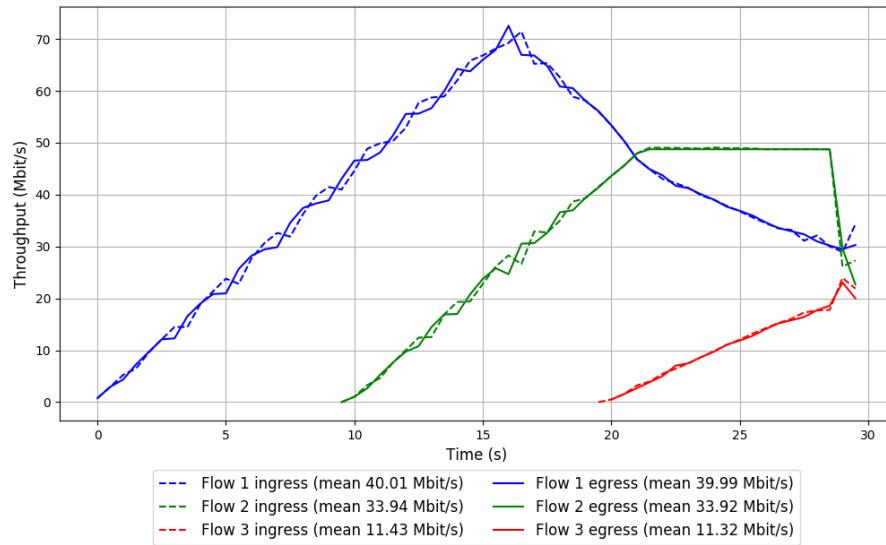


Run 6: Statistics of LEDBAT

```
Start at: 2017-09-18 07:57:08
End at: 2017-09-18 07:57:38
Local clock offset: 1.48 ms
Remote clock offset: 1.301 ms

# Below is generated by plot.py at 2017-09-18 11:36:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 54.608 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 57.199 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 46.487 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 56.713 ms
Loss rate: 1.96%
```

Run 6: Report of LEDBAT — Data Link

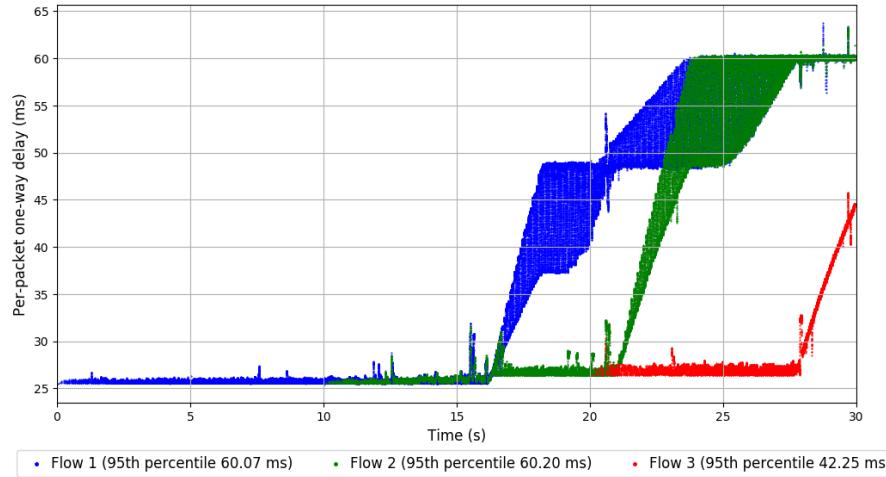
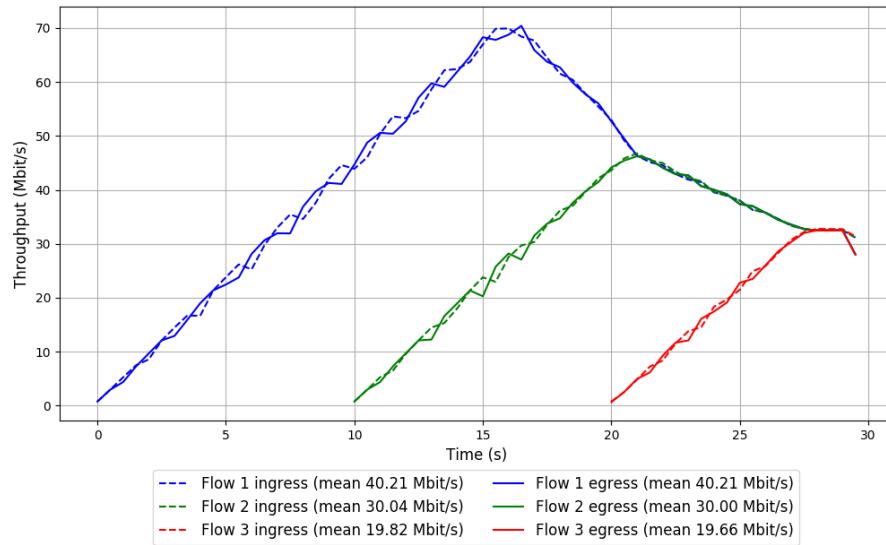


Run 7: Statistics of LEDBAT

```
Start at: 2017-09-18 08:10:59
End at: 2017-09-18 08:11:29
Local clock offset: 1.366 ms
Remote clock offset: -0.666 ms

# Below is generated by plot.py at 2017-09-18 11:36:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.67 Mbit/s
95th percentile per-packet one-way delay: 60.129 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 60.069 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 60.202 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 42.247 ms
Loss rate: 1.53%
```

Run 7: Report of LEDBAT — Data Link

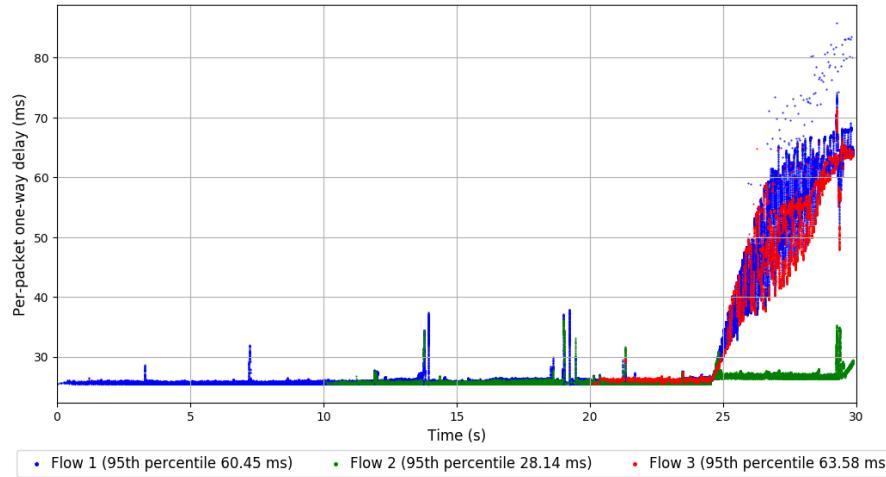
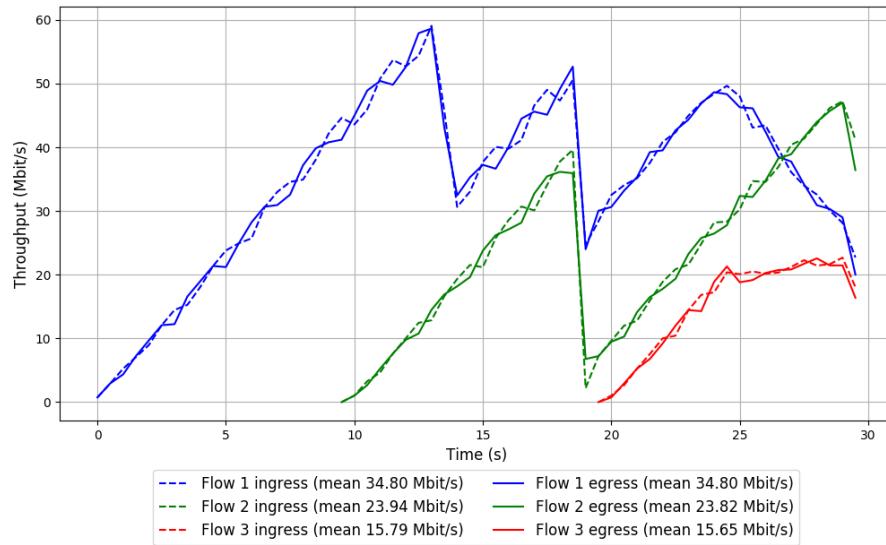


Run 8: Statistics of LEDBAT

```
Start at: 2017-09-18 08:24:57
End at: 2017-09-18 08:25:27
Local clock offset: 1.132 ms
Remote clock offset: -0.566 ms

# Below is generated by plot.py at 2017-09-18 11:36:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.85 Mbit/s
95th percentile per-packet one-way delay: 59.216 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 60.448 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 28.139 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 63.580 ms
Loss rate: 1.60%
```

Run 8: Report of LEDBAT — Data Link

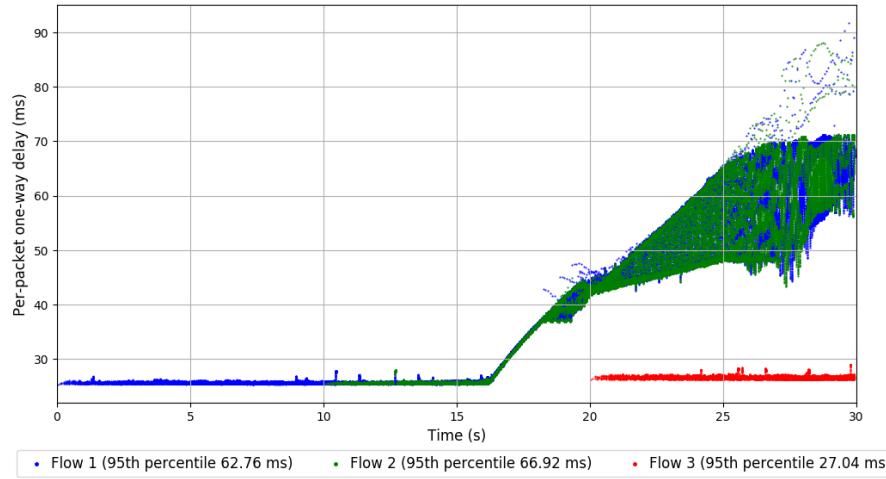
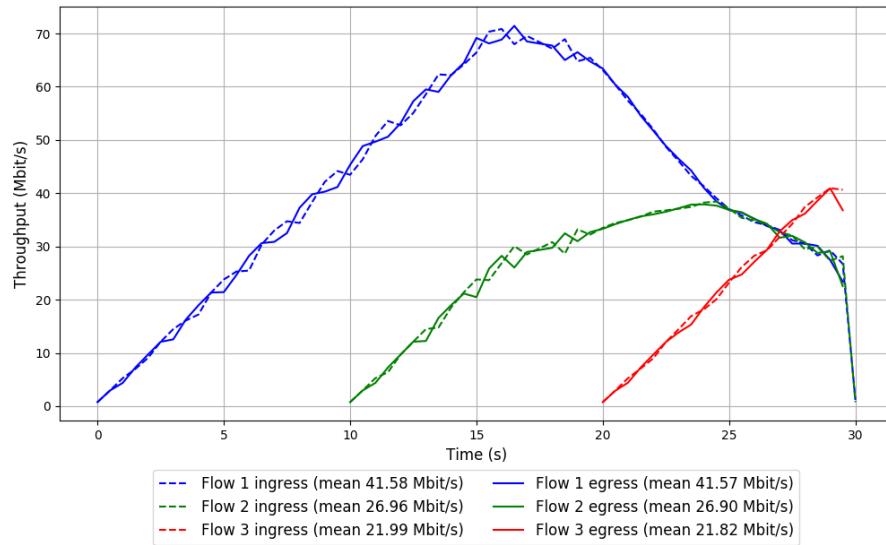


Run 9: Statistics of LEDBAT

```
Start at: 2017-09-18 08:38:51
End at: 2017-09-18 08:39:21
Local clock offset: 0.998 ms
Remote clock offset: -0.458 ms

# Below is generated by plot.py at 2017-09-18 11:36:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.67 Mbit/s
95th percentile per-packet one-way delay: 64.075 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 41.57 Mbit/s
95th percentile per-packet one-way delay: 62.755 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 26.90 Mbit/s
95th percentile per-packet one-way delay: 66.922 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 21.82 Mbit/s
95th percentile per-packet one-way delay: 27.041 ms
Loss rate: 1.48%
```

Run 9: Report of LEDBAT — Data Link

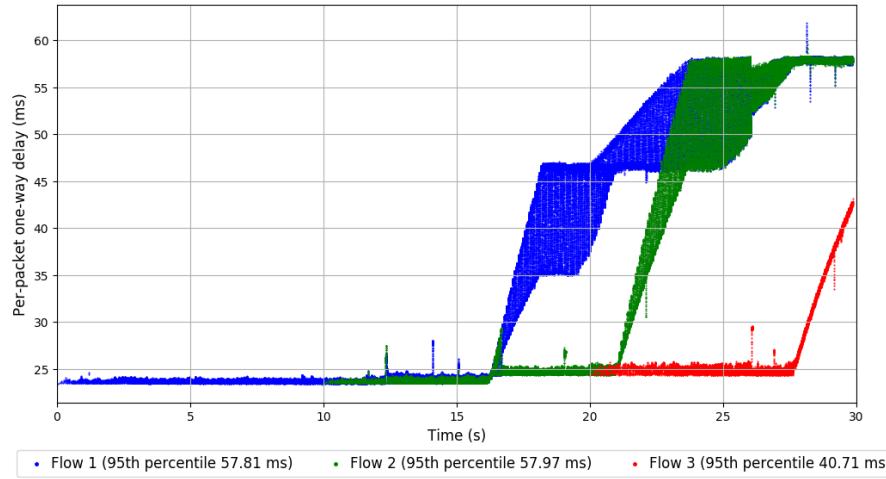
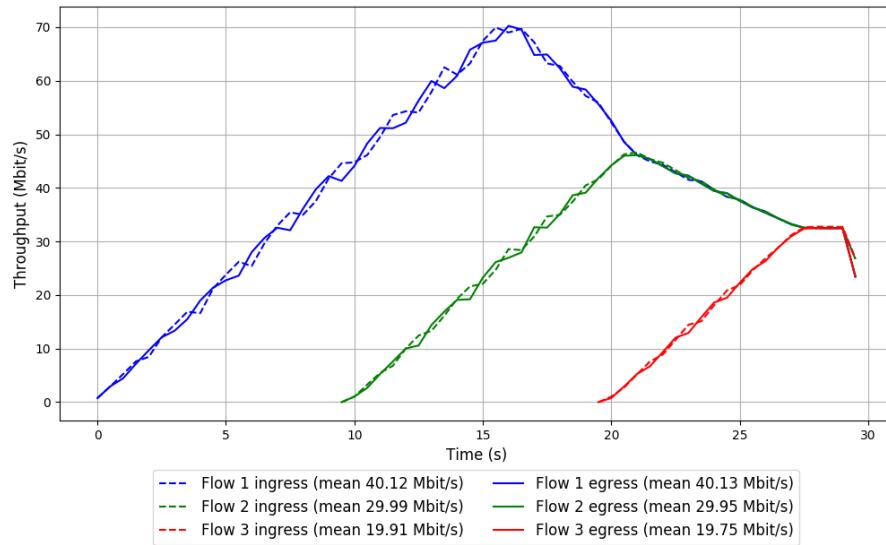


Run 10: Statistics of LEDBAT

```
Start at: 2017-09-18 08:52:44
End at: 2017-09-18 08:53:14
Local clock offset: 1.006 ms
Remote clock offset: 1.595 ms

# Below is generated by plot.py at 2017-09-18 11:36:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 57.869 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 57.811 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 57.965 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 19.75 Mbit/s
95th percentile per-packet one-way delay: 40.711 ms
Loss rate: 1.53%
```

Run 10: Report of LEDBAT — Data Link

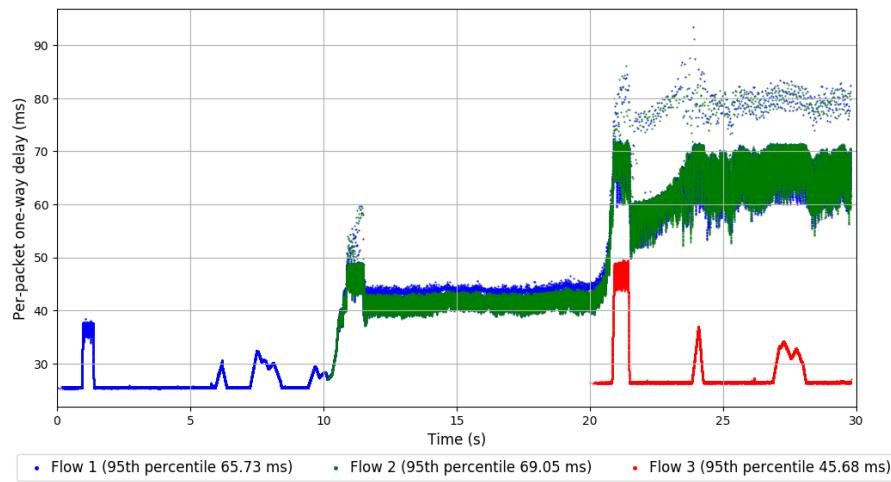
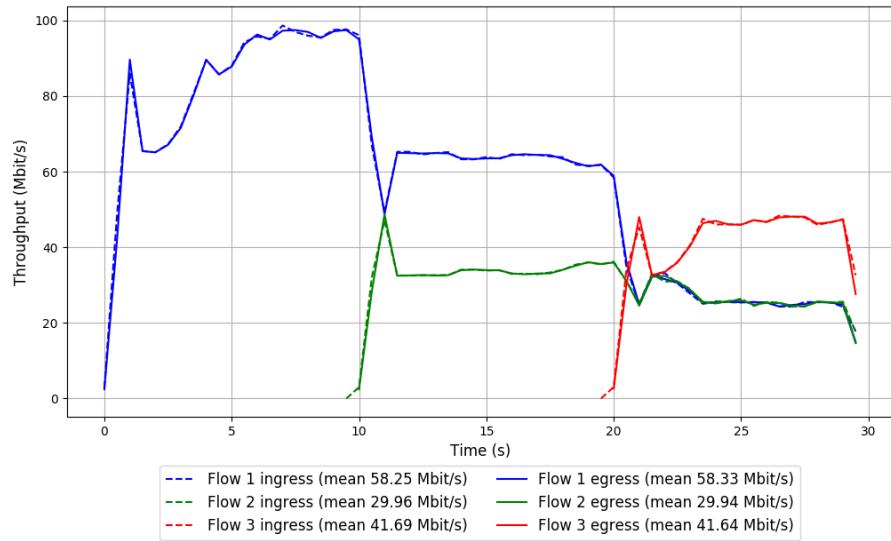


Run 1: Statistics of PCC

```
Start at: 2017-09-18 06:53:16
End at: 2017-09-18 06:53:46
Local clock offset: 2.18 ms
Remote clock offset: -4.376 ms

# Below is generated by plot.py at 2017-09-18 11:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 66.772 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 65.733 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 69.053 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 41.64 Mbit/s
95th percentile per-packet one-way delay: 45.682 ms
Loss rate: 0.91%
```

Run 1: Report of PCC — Data Link

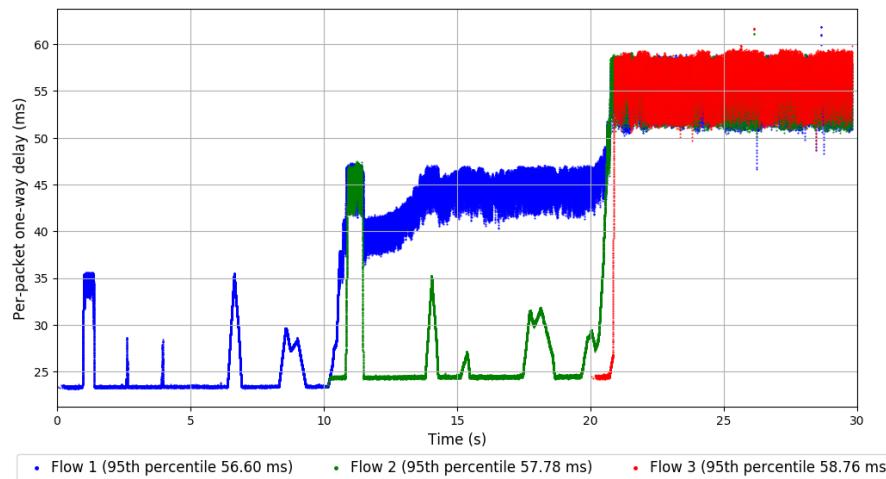
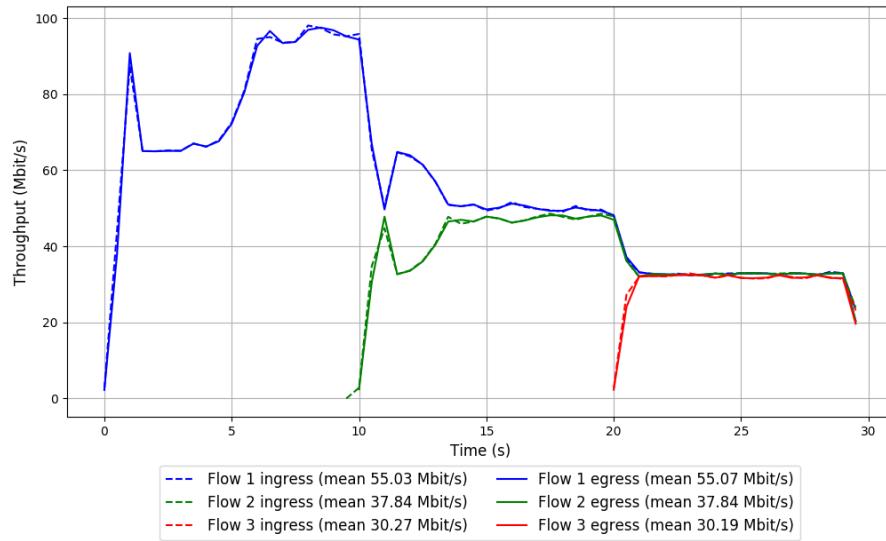


Run 2: Statistics of PCC

```
Start at: 2017-09-18 07:07:10
End at: 2017-09-18 07:07:40
Local clock offset: 1.997 ms
Remote clock offset: -1.633 ms

# Below is generated by plot.py at 2017-09-18 11:37:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 57.762 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 56.603 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 57.779 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 58.761 ms
Loss rate: 1.15%
```

Run 2: Report of PCC — Data Link

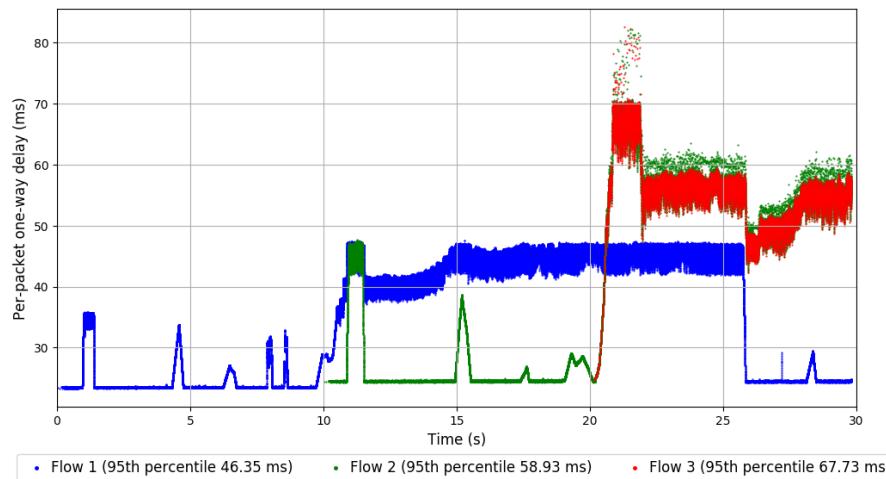
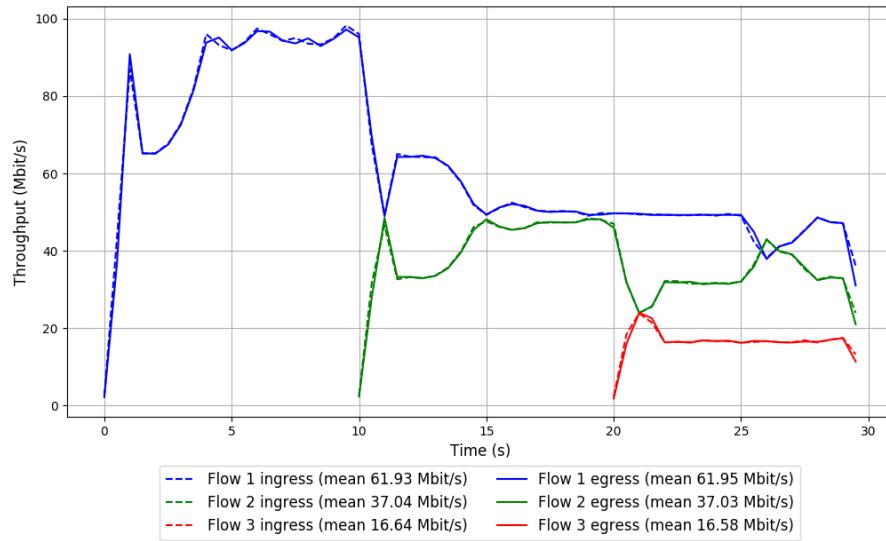


Run 3: Statistics of PCC

```
Start at: 2017-09-18 07:21:00
End at: 2017-09-18 07:21:30
Local clock offset: 1.904 ms
Remote clock offset: -0.839 ms

# Below is generated by plot.py at 2017-09-18 11:37:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 56.868 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 46.353 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 58.931 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 16.58 Mbit/s
95th percentile per-packet one-way delay: 67.734 ms
Loss rate: 1.13%
```

Run 3: Report of PCC — Data Link

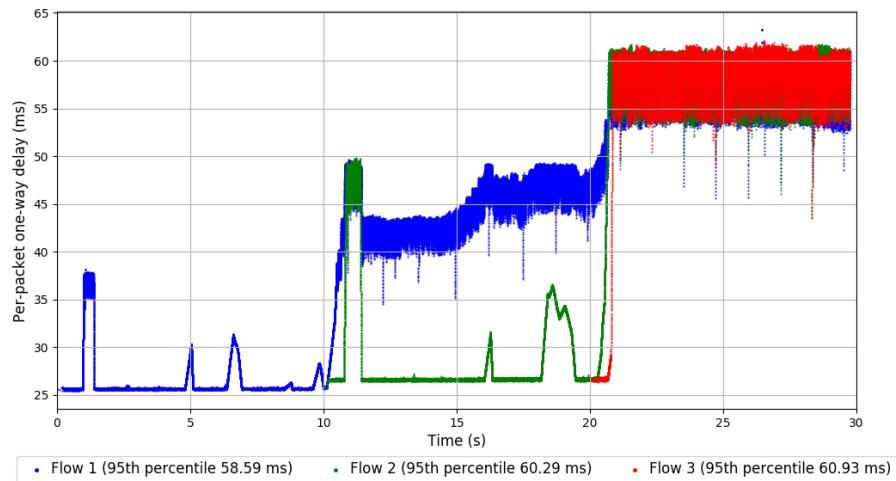
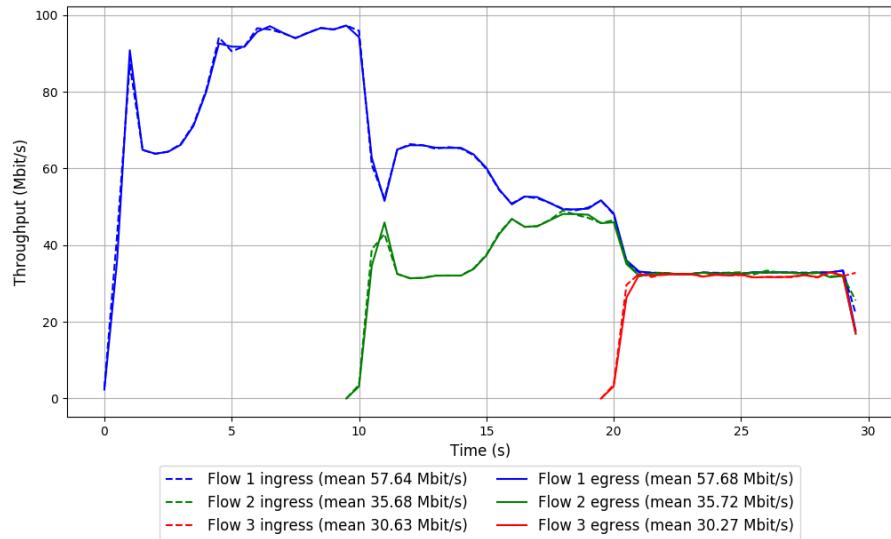


Run 4: Statistics of PCC

```
Start at: 2017-09-18 07:34:51
End at: 2017-09-18 07:35:21
Local clock offset: 1.732 ms
Remote clock offset: -2.135 ms

# Below is generated by plot.py at 2017-09-18 11:37:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 60.034 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: 58.590 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 60.293 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 60.928 ms
Loss rate: 3.17%
```

Run 4: Report of PCC — Data Link

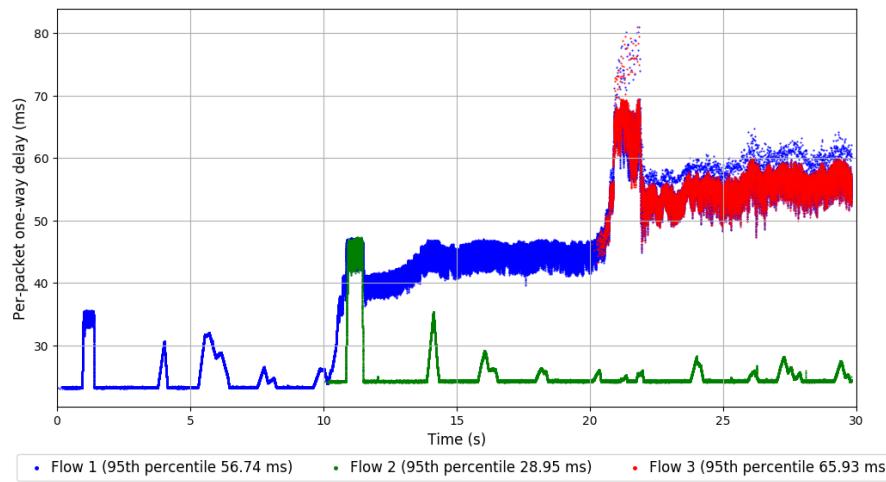
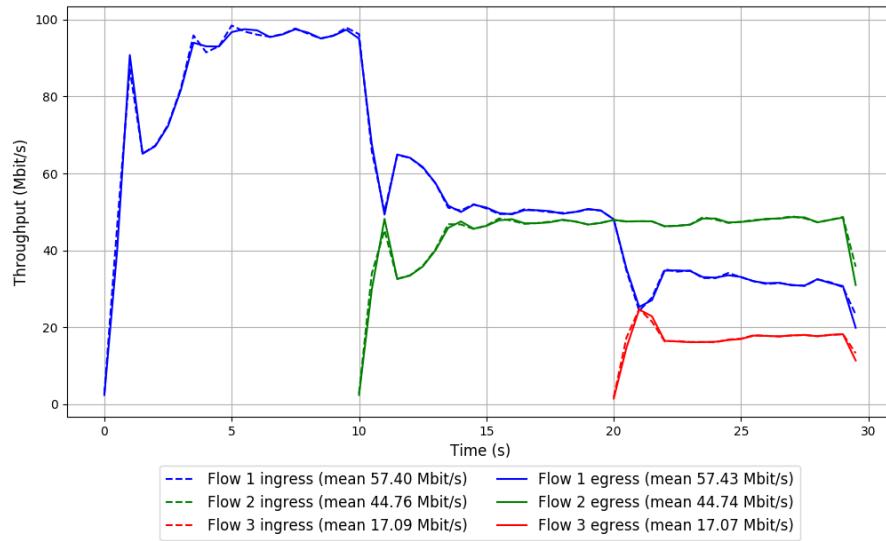


Run 5: Statistics of PCC

```
Start at: 2017-09-18 07:48:44
End at: 2017-09-18 07:49:14
Local clock offset: 1.464 ms
Remote clock offset: 0.571 ms

# Below is generated by plot.py at 2017-09-18 11:37:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 56.762 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 56.742 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 28.950 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 17.07 Mbit/s
95th percentile per-packet one-way delay: 65.934 ms
Loss rate: 1.15%
```

Run 5: Report of PCC — Data Link

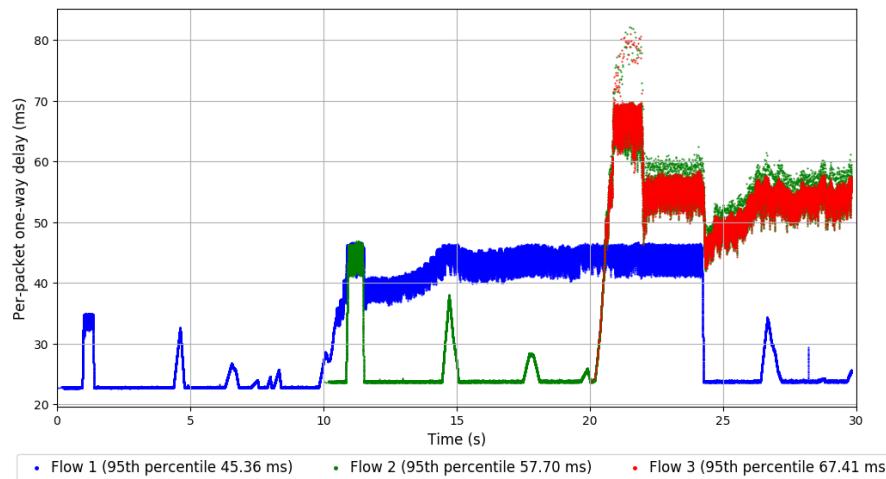
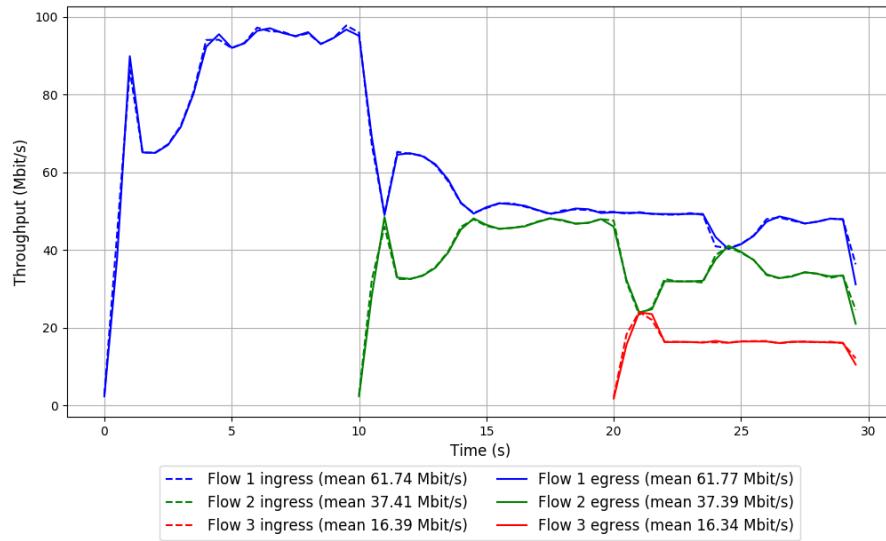


Run 6: Statistics of PCC

```
Start at: 2017-09-18 08:02:38
End at: 2017-09-18 08:03:08
Local clock offset: 1.334 ms
Remote clock offset: 1.649 ms

# Below is generated by plot.py at 2017-09-18 11:37:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 55.615 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 61.77 Mbit/s
95th percentile per-packet one-way delay: 45.363 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.39 Mbit/s
95th percentile per-packet one-way delay: 57.697 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 16.34 Mbit/s
95th percentile per-packet one-way delay: 67.405 ms
Loss rate: 1.03%
```

Run 6: Report of PCC — Data Link

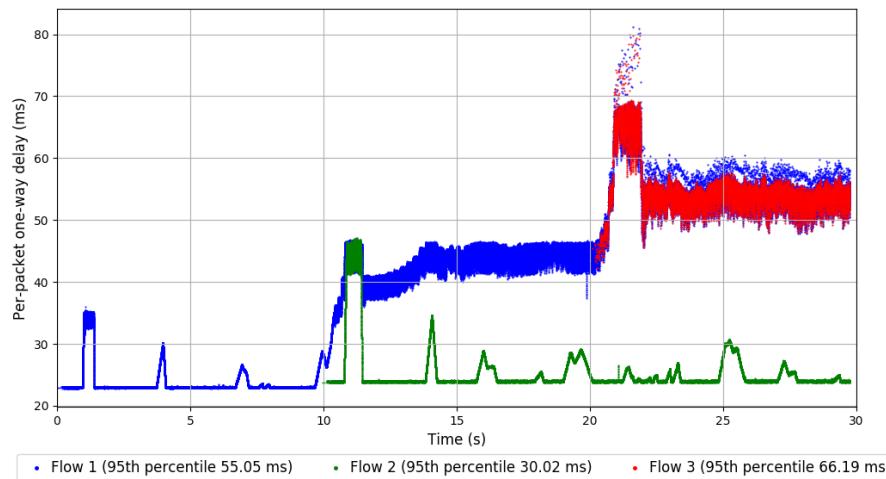
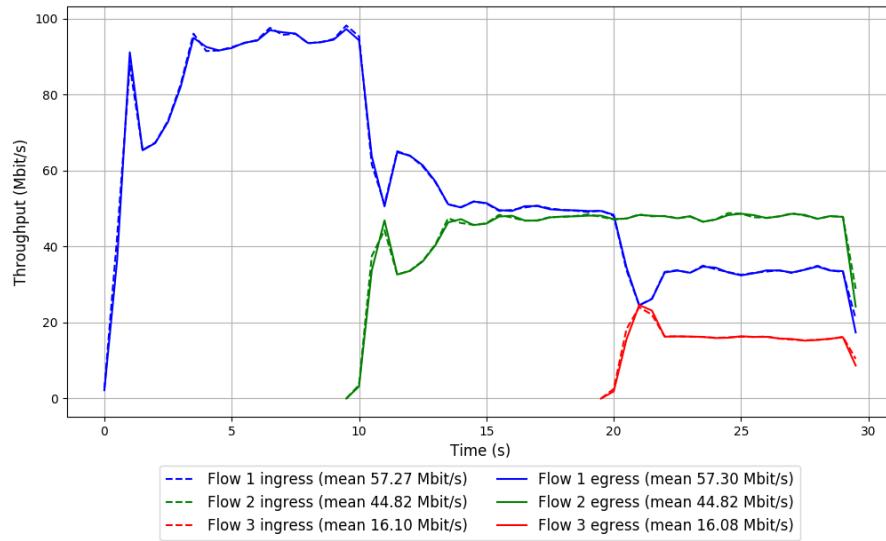


Run 7: Statistics of PCC

```
Start at: 2017-09-18 08:16:30
End at: 2017-09-18 08:17:00
Local clock offset: 1.211 ms
Remote clock offset: 1.88 ms

# Below is generated by plot.py at 2017-09-18 11:37:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 54.989 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 55.045 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 30.022 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 66.188 ms
Loss rate: 1.12%
```

Run 7: Report of PCC — Data Link

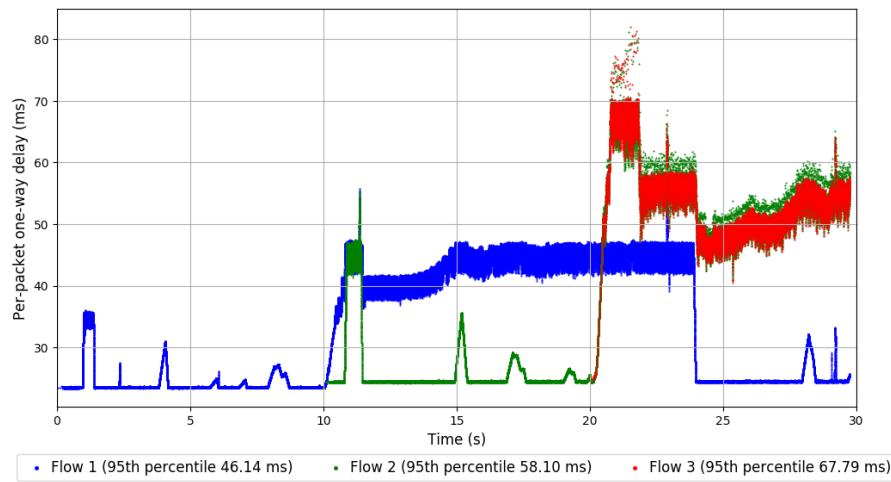
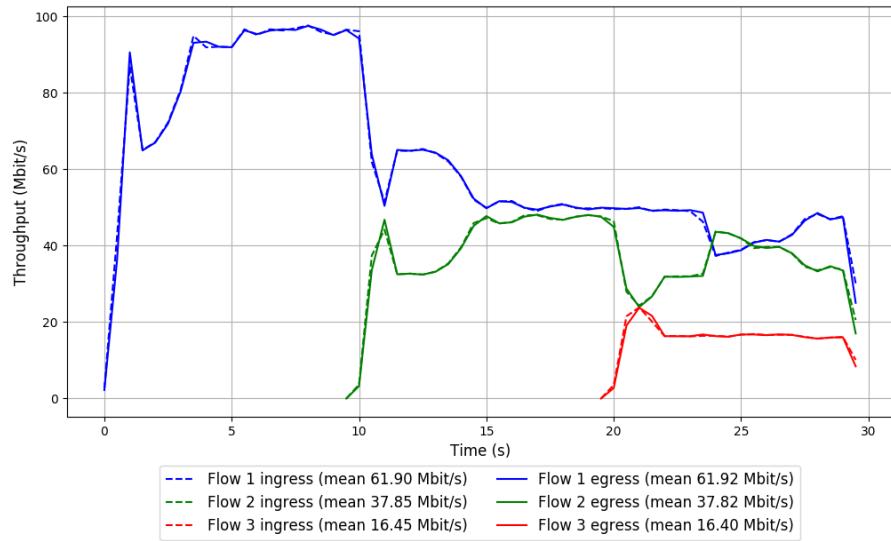


Run 8: Statistics of PCC

```
Start at: 2017-09-18 08:30:26
End at: 2017-09-18 08:30:56
Local clock offset: 1.179 ms
Remote clock offset: 1.526 ms

# Below is generated by plot.py at 2017-09-18 11:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 55.693 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 61.92 Mbit/s
95th percentile per-packet one-way delay: 46.141 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: 58.096 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 16.40 Mbit/s
95th percentile per-packet one-way delay: 67.786 ms
Loss rate: 1.08%
```

Run 8: Report of PCC — Data Link

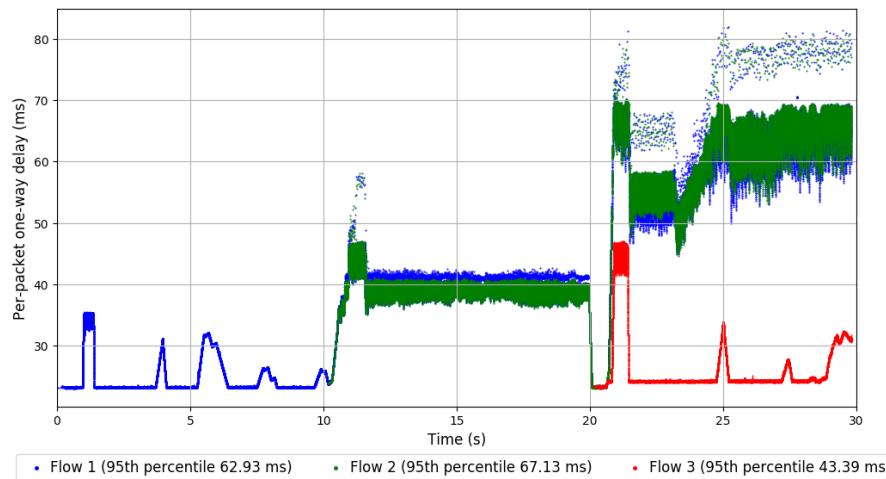
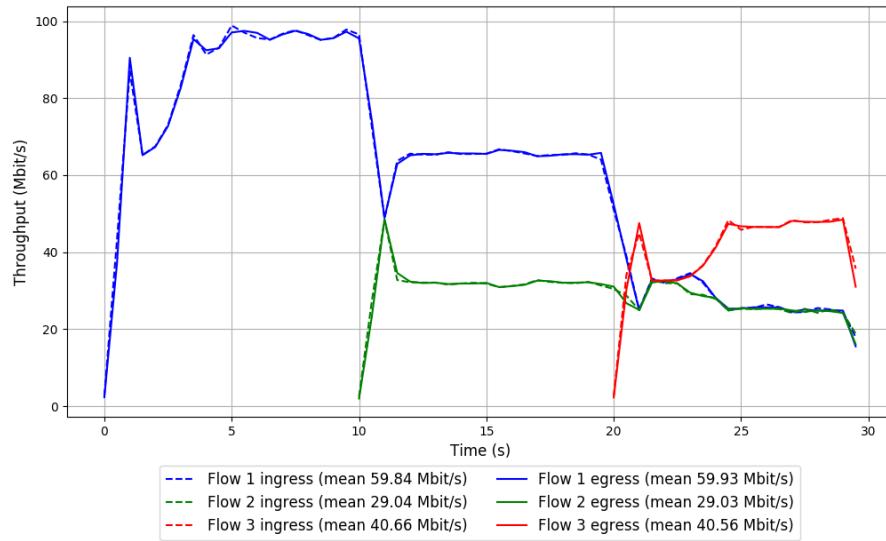


Run 9: Statistics of PCC

```
Start at: 2017-09-18 08:44:22
End at: 2017-09-18 08:44:52
Local clock offset: 0.966 ms
Remote clock offset: 1.678 ms

# Below is generated by plot.py at 2017-09-18 11:38:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 64.651 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 62.932 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 67.128 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 43.394 ms
Loss rate: 0.97%
```

Run 9: Report of PCC — Data Link

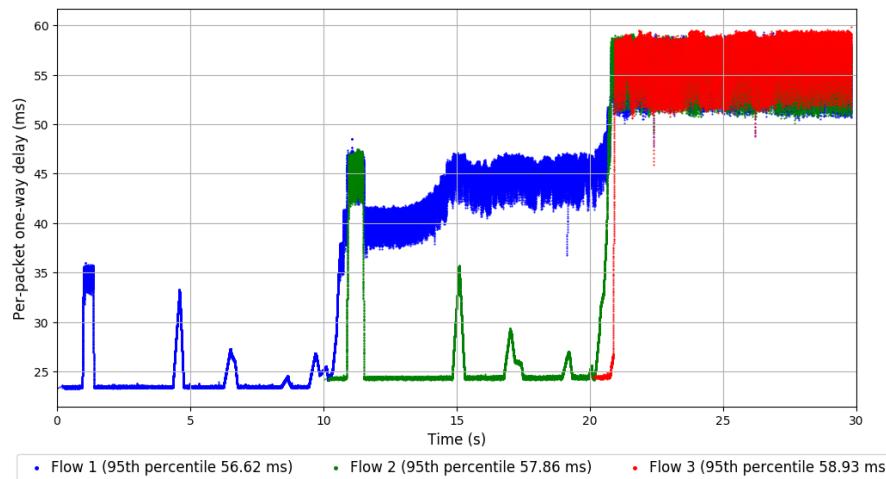
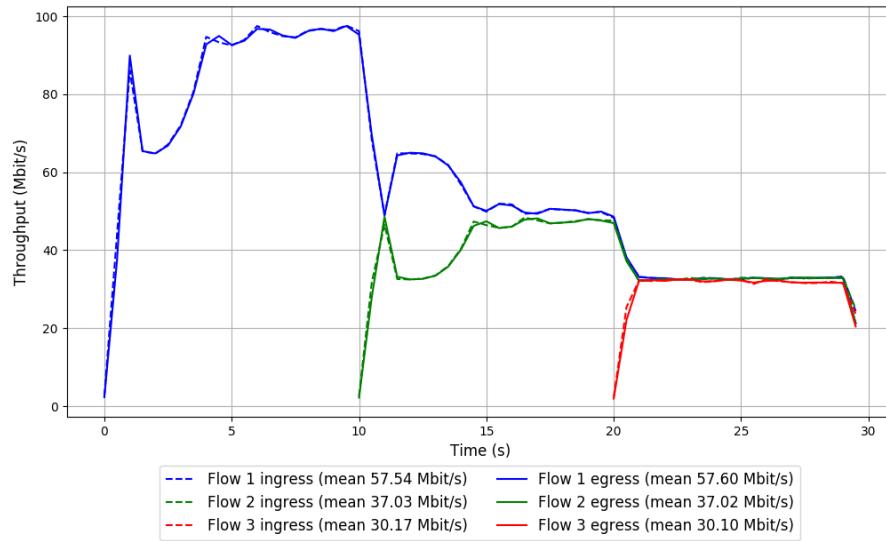


Run 10: Statistics of PCC

```
Start at: 2017-09-18 08:58:12
End at: 2017-09-18 08:58:42
Local clock offset: 0.986 ms
Remote clock offset: 1.678 ms

# Below is generated by plot.py at 2017-09-18 11:38:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 57.861 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 57.60 Mbit/s
95th percentile per-packet one-way delay: 56.617 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 57.860 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 58.928 ms
Loss rate: 1.15%
```

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

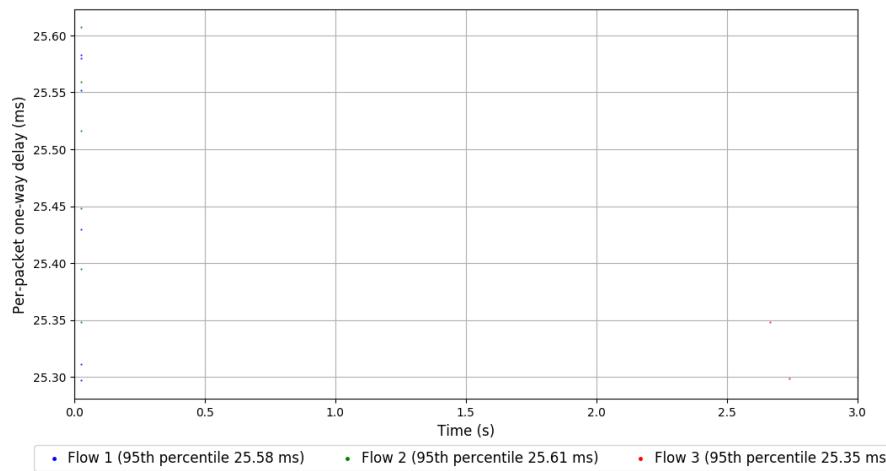
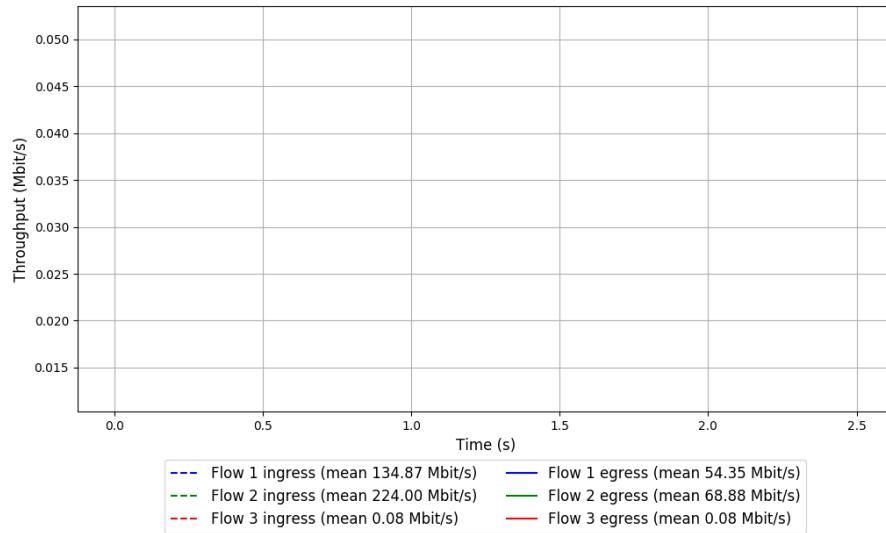
Start at: 2017-09-18 06:49:13

End at: 2017-09-18 06:49:43

Local clock offset: 2.113 ms

Remote clock offset: -4.48 ms

Run 1: Report of QUIC Cubic — Data Link

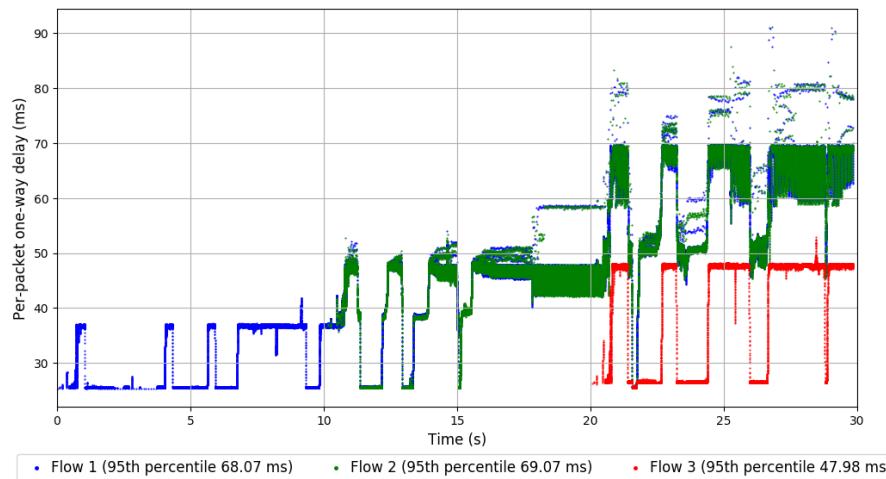
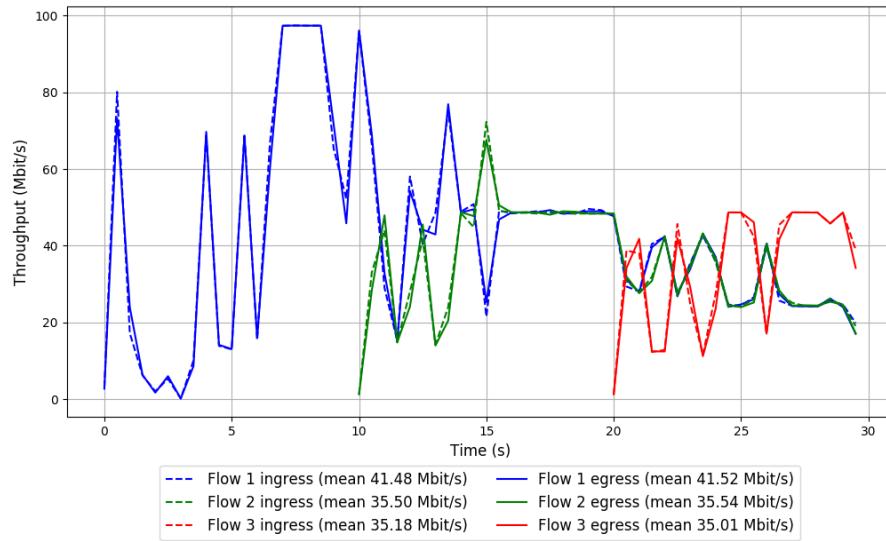


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-09-18 07:03:02
End at: 2017-09-18 07:03:32
Local clock offset: 2.042 ms
Remote clock offset: -3.969 ms

# Below is generated by plot.py at 2017-09-18 11:38:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 68.344 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 68.069 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 69.066 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 47.978 ms
Loss rate: 1.35%
```

Run 2: Report of QUIC Cubic — Data Link

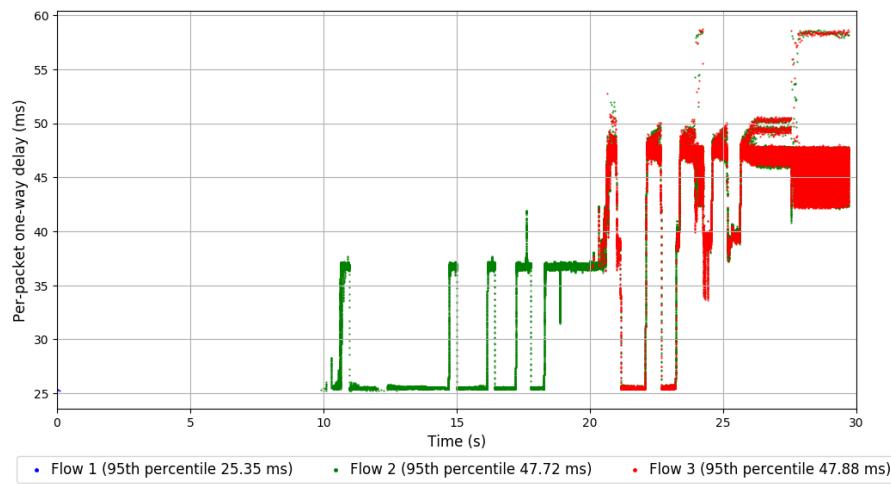
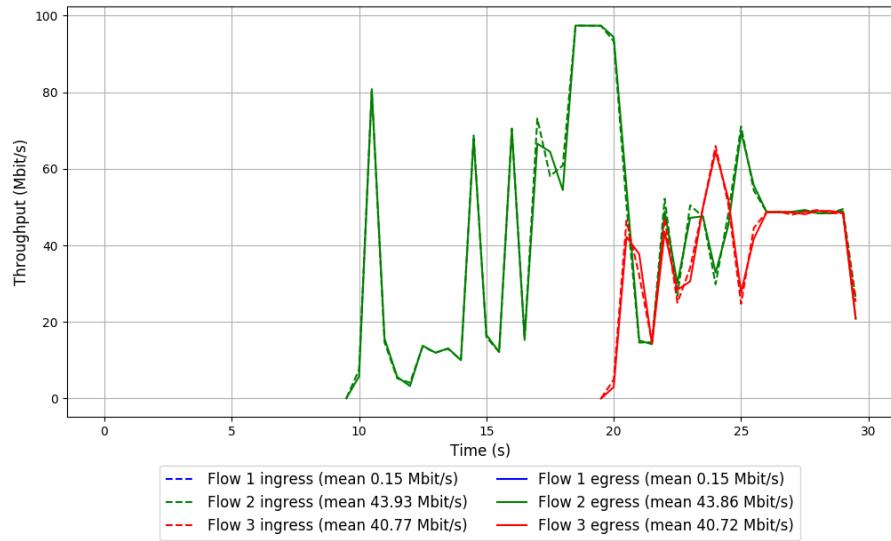


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-09-18 07:16:55
End at: 2017-09-18 07:17:25
Local clock offset: 1.913 ms
Remote clock offset: -3.001 ms

# Below is generated by plot.py at 2017-09-18 11:38:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 47.773 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 25.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 47.724 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 47.881 ms
Loss rate: 1.05%
```

Run 3: Report of QUIC Cubic — Data Link

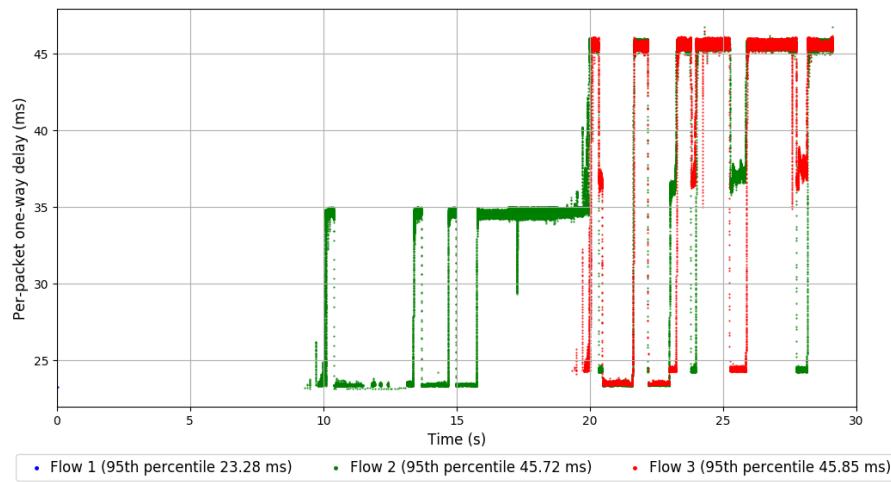
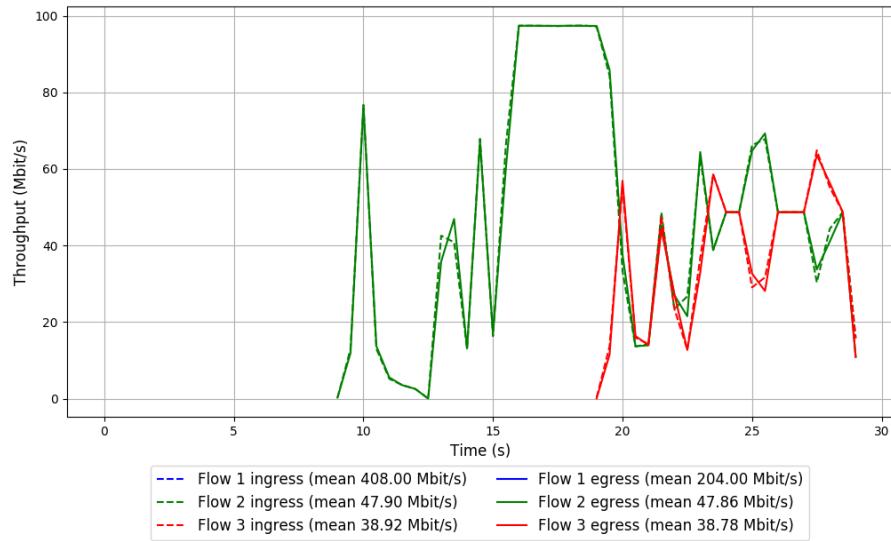


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-09-18 07:30:46
End at: 2017-09-18 07:31:16
Local clock offset: 1.686 ms
Remote clock offset: -0.224 ms

# Below is generated by plot.py at 2017-09-18 11:38:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 45.761 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 204.00 Mbit/s
95th percentile per-packet one-way delay: 23.281 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 45.720 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 45.848 ms
Loss rate: 1.22%
```

Run 4: Report of QUIC Cubic — Data Link

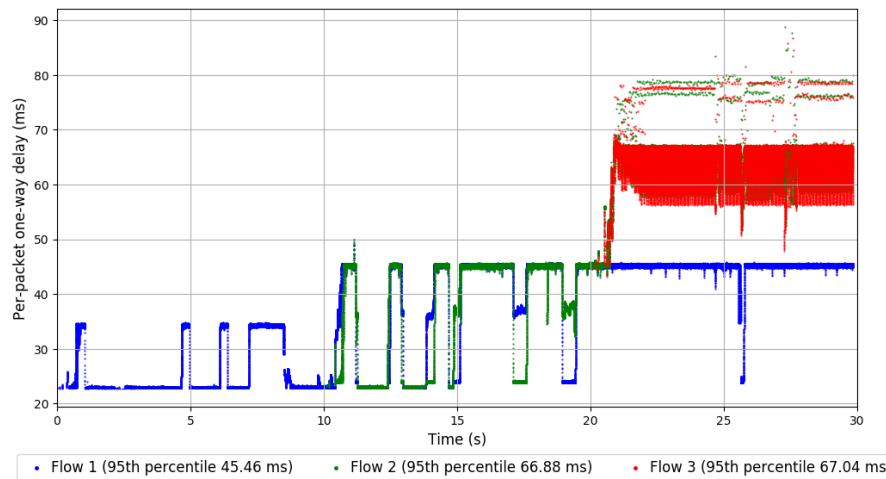
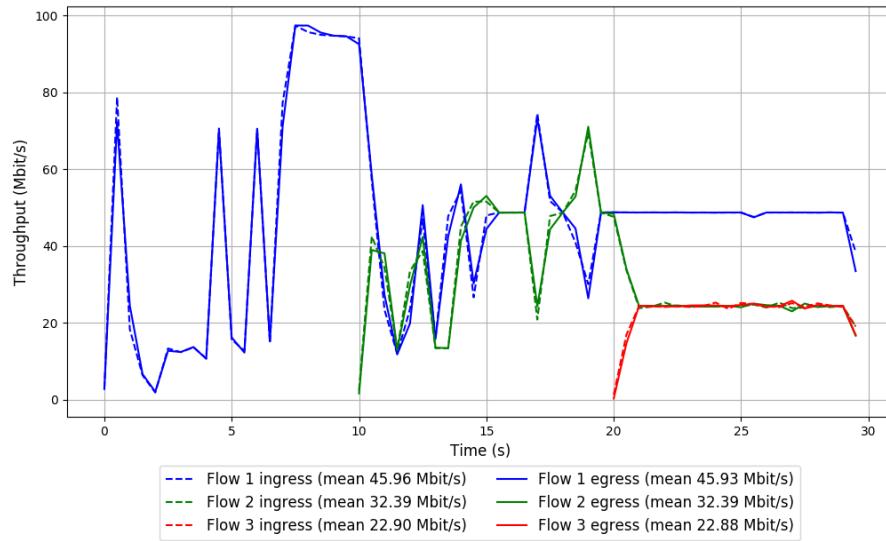


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-09-18 07:44:36
End at: 2017-09-18 07:45:06
Local clock offset: 1.598 ms
Remote clock offset: 0.87 ms

# Below is generated by plot.py at 2017-09-18 11:39:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.94 Mbit/s
95th percentile per-packet one-way delay: 66.350 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 45.463 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 66.878 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 67.036 ms
Loss rate: 1.16%
```

Run 5: Report of QUIC Cubic — Data Link

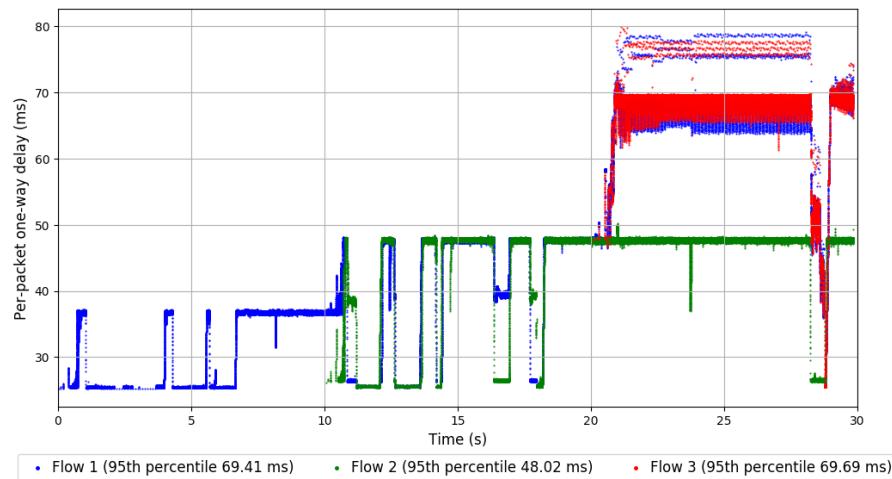
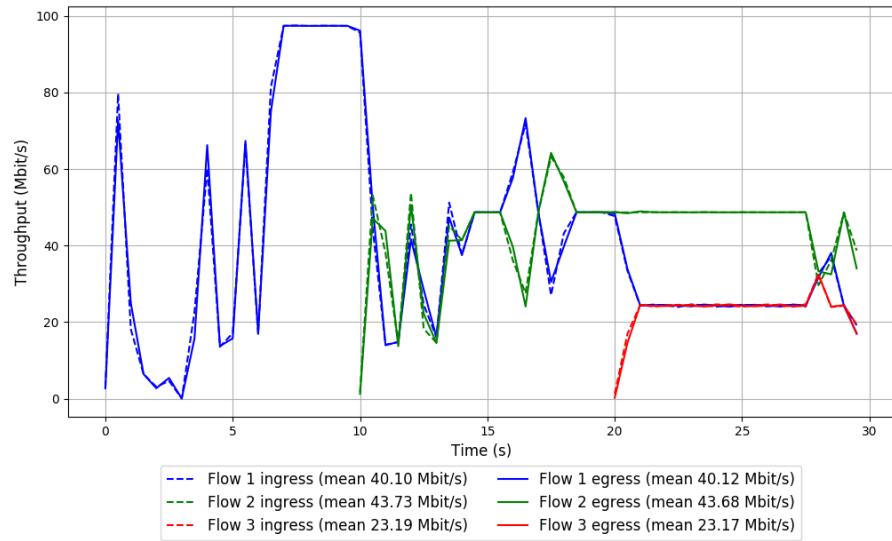


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-09-18 07:58:31
End at: 2017-09-18 07:59:01
Local clock offset: 1.452 ms
Remote clock offset: -1.007 ms

# Below is generated by plot.py at 2017-09-18 11:39:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.71 Mbit/s
95th percentile per-packet one-way delay: 69.433 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 69.405 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 48.018 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 69.688 ms
Loss rate: 1.25%
```

Run 6: Report of QUIC Cubic — Data Link

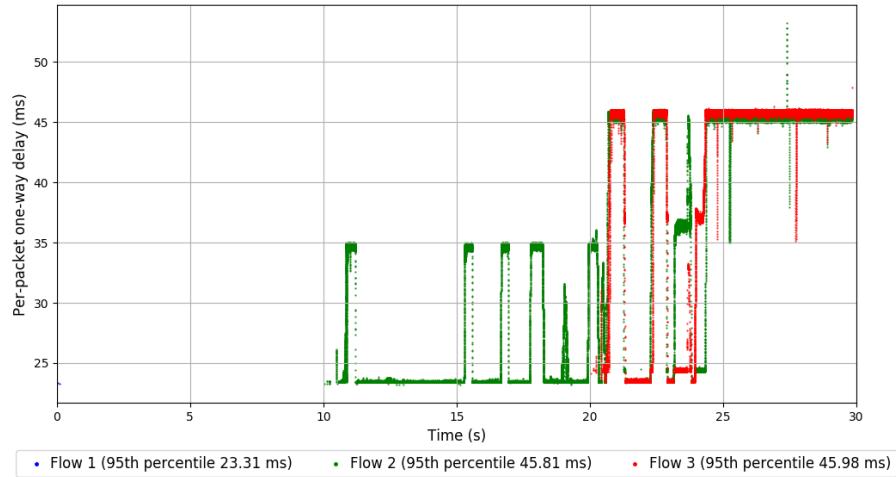
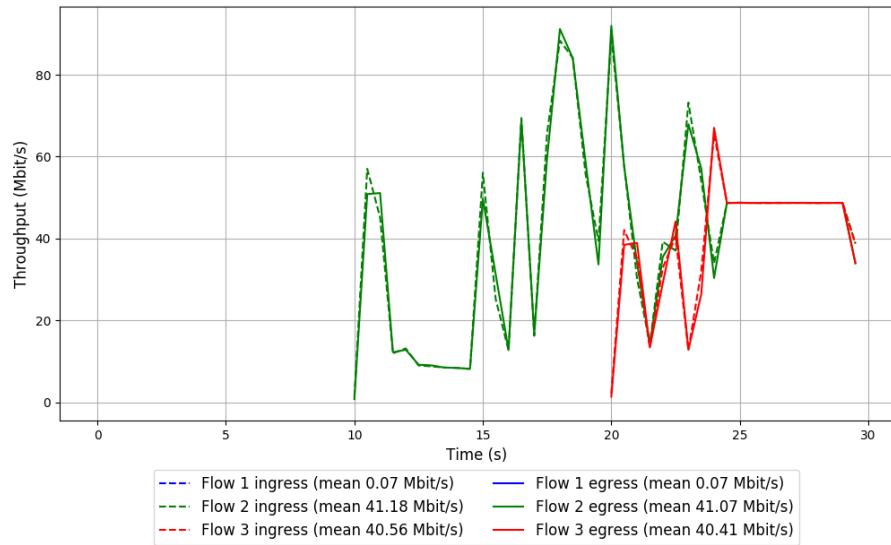


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-09-18 08:12:23
End at: 2017-09-18 08:12:53
Local clock offset: 1.253 ms
Remote clock offset: 1.44 ms

# Below is generated by plot.py at 2017-09-18 11:39:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 45.929 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 23.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.07 Mbit/s
95th percentile per-packet one-way delay: 45.811 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 45.979 ms
Loss rate: 1.20%
```

Run 7: Report of QUIC Cubic — Data Link

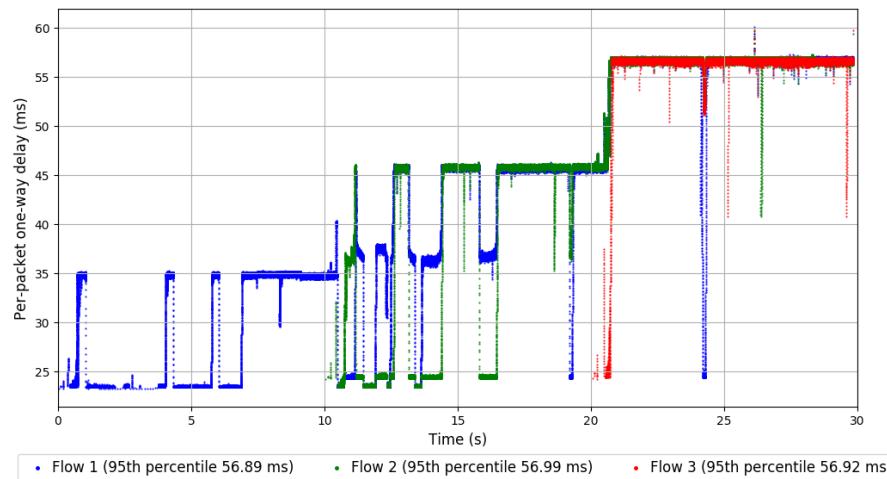
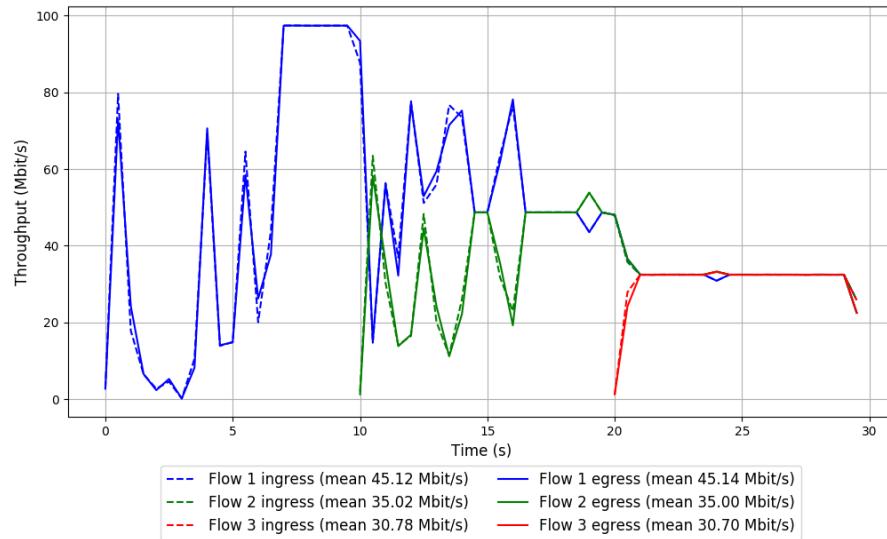


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-09-18 08:26:19
End at: 2017-09-18 08:26:50
Local clock offset: 1.201 ms
Remote clock offset: 1.535 ms

# Below is generated by plot.py at 2017-09-18 11:39:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.43 Mbit/s
95th percentile per-packet one-way delay: 56.916 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 56.888 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 56.987 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 56.919 ms
Loss rate: 1.14%
```

Run 8: Report of QUIC Cubic — Data Link

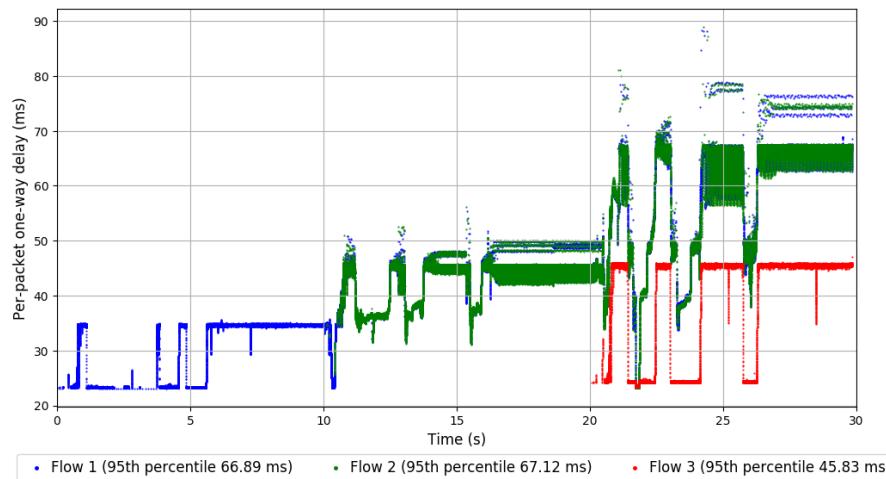
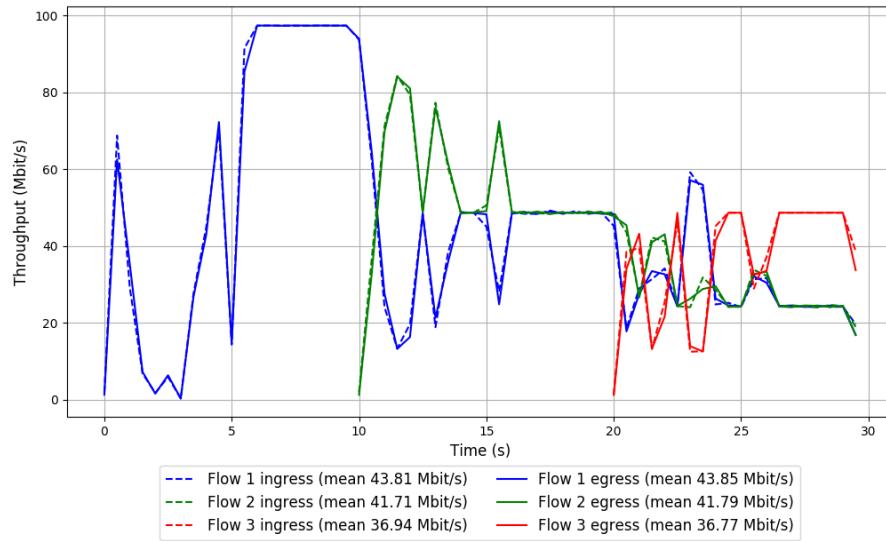


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-09-18 08:40:15
End at: 2017-09-18 08:40:45
Local clock offset: 1.0 ms
Remote clock offset: 1.649 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.65 Mbit/s
95th percentile per-packet one-way delay: 66.907 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 66.891 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 41.79 Mbit/s
95th percentile per-packet one-way delay: 67.122 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 45.826 ms
Loss rate: 1.28%
```

Run 9: Report of QUIC Cubic — Data Link

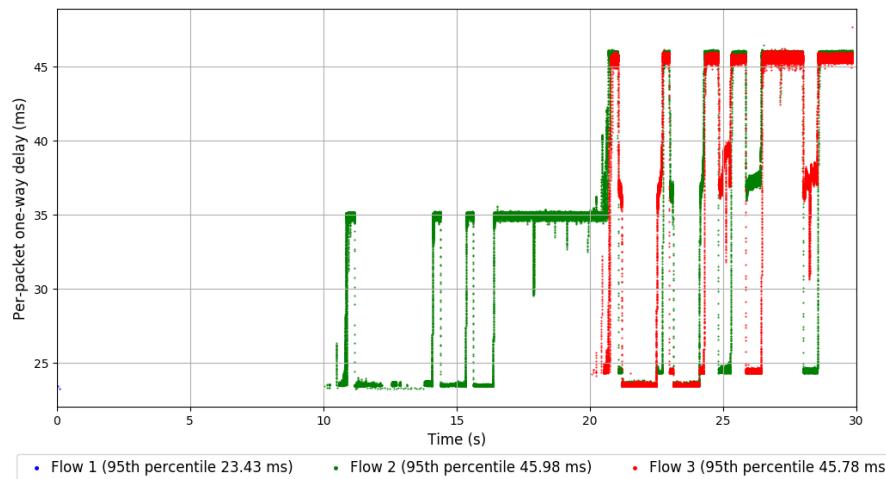
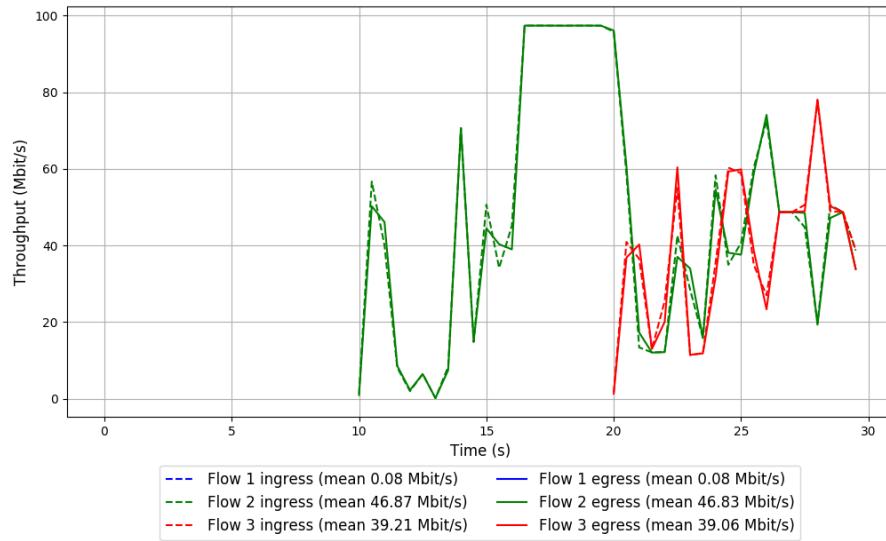


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-09-18 08:54:07
End at: 2017-09-18 08:54:37
Local clock offset: 1.001 ms
Remote clock offset: 1.715 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 45.951 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 23.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 45.982 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 45.785 ms
Loss rate: 1.21%
```

Run 10: Report of QUIC Cubic — Data Link

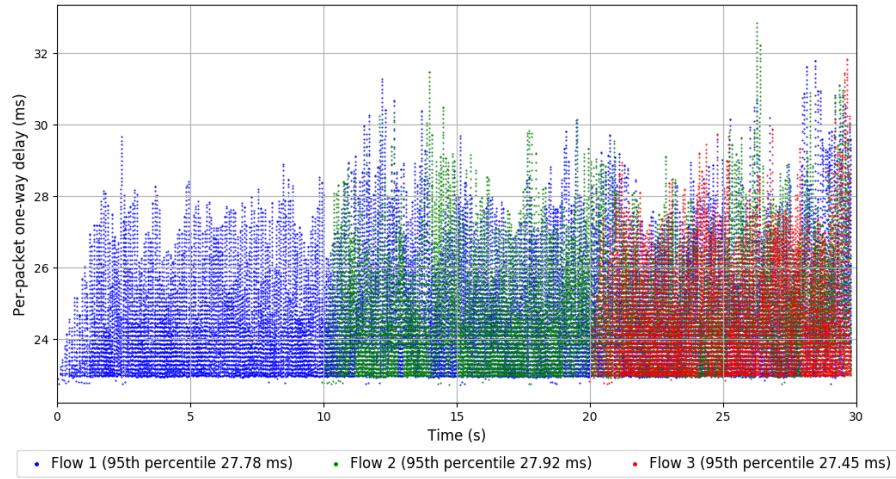
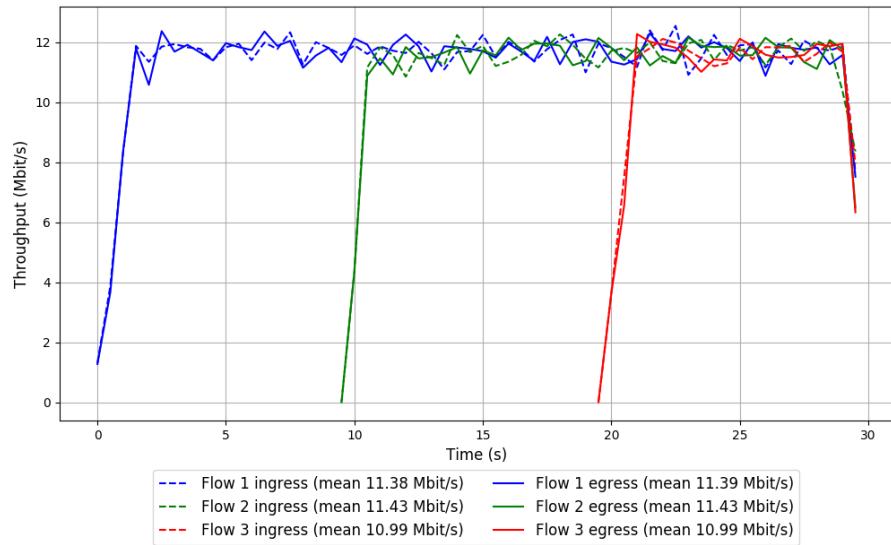


Run 1: Statistics of Sprout

```
Start at: 2017-09-18 06:51:57
End at: 2017-09-18 06:52:27
Local clock offset: 2.096 ms
Remote clock offset: -1.992 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 27.782 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 27.778 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 27.924 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 27.447 ms
Loss rate: 0.86%
```

Run 1: Report of Sprout — Data Link

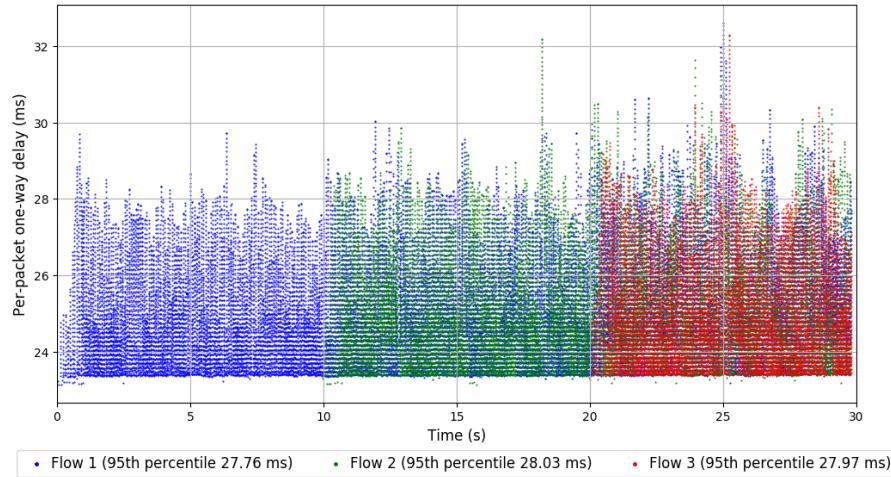
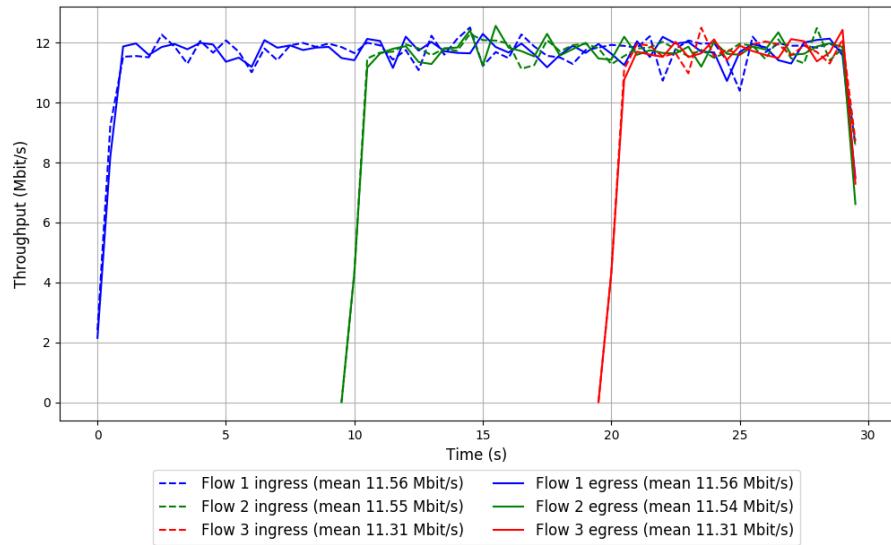


Run 2: Statistics of Sprout

```
Start at: 2017-09-18 07:05:50
End at: 2017-09-18 07:06:20
Local clock offset: 2.009 ms
Remote clock offset: -1.641 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 27.881 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 27.762 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 28.032 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 27.971 ms
Loss rate: 0.82%
```

Run 2: Report of Sprout — Data Link

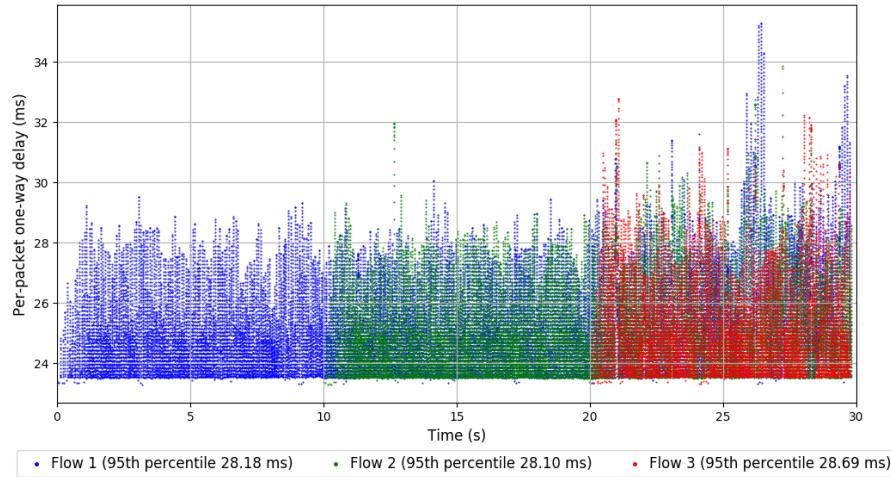
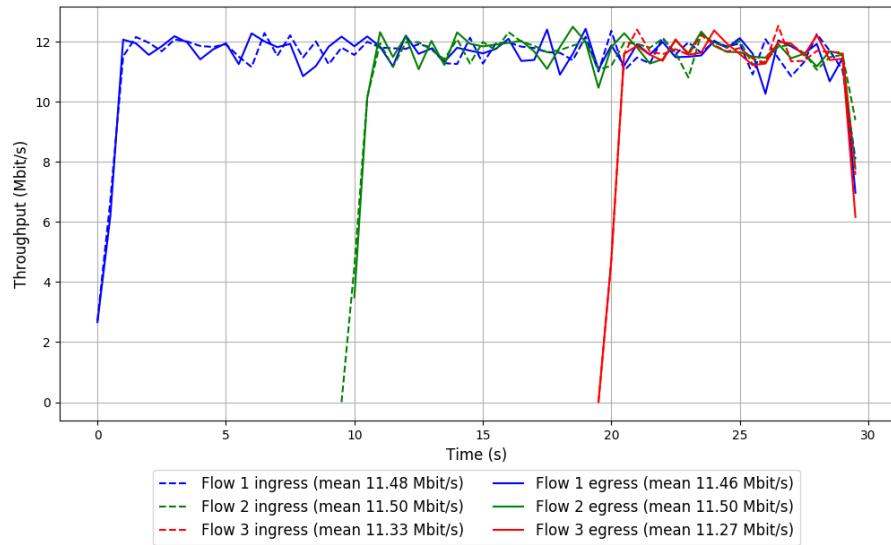


Run 3: Statistics of Sprout

```
Start at: 2017-09-18 07:19:41
End at: 2017-09-18 07:20:11
Local clock offset: 1.903 ms
Remote clock offset: -0.922 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.82 Mbit/s
95th percentile per-packet one-way delay: 28.232 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 11.46 Mbit/s
95th percentile per-packet one-way delay: 28.182 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 28.101 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 28.692 ms
Loss rate: 0.86%
```

Run 3: Report of Sprout — Data Link

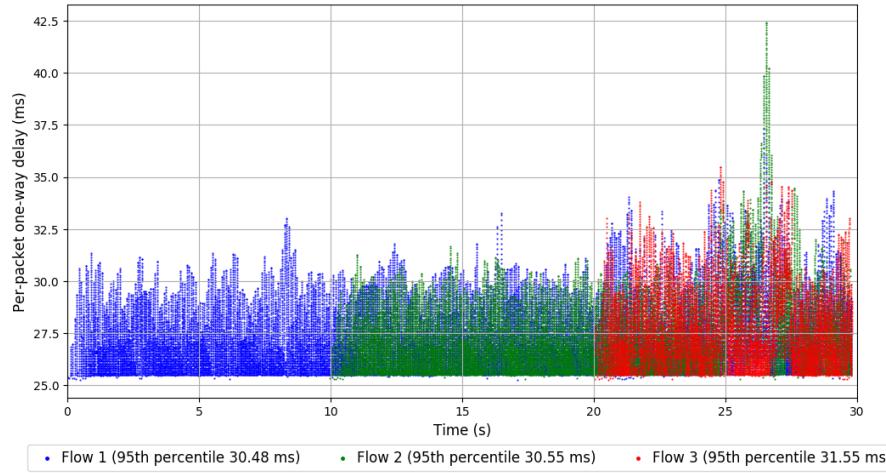
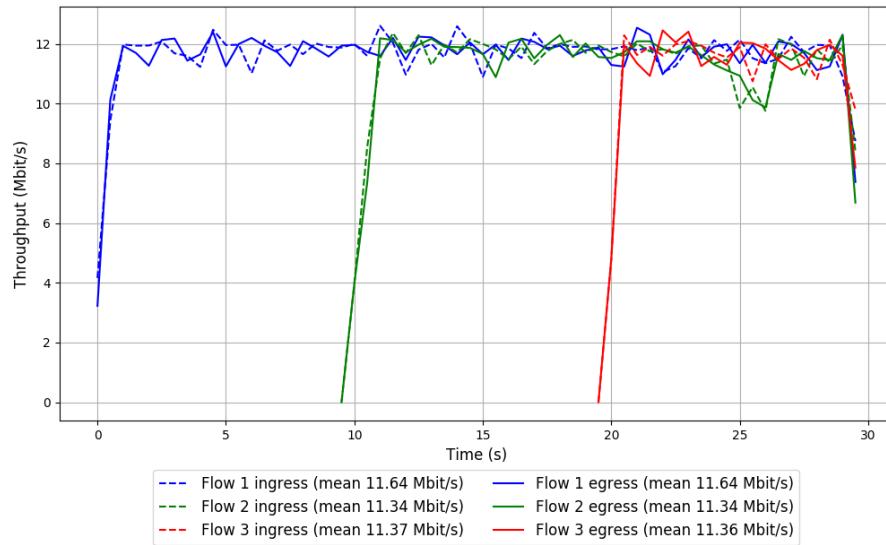


Run 4: Statistics of Sprout

```
Start at: 2017-09-18 07:33:31
End at: 2017-09-18 07:34:01
Local clock offset: 1.749 ms
Remote clock offset: -2.05 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.93 Mbit/s
95th percentile per-packet one-way delay: 30.748 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 30.475 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 30.552 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 31.551 ms
Loss rate: 0.86%
```

Run 4: Report of Sprout — Data Link

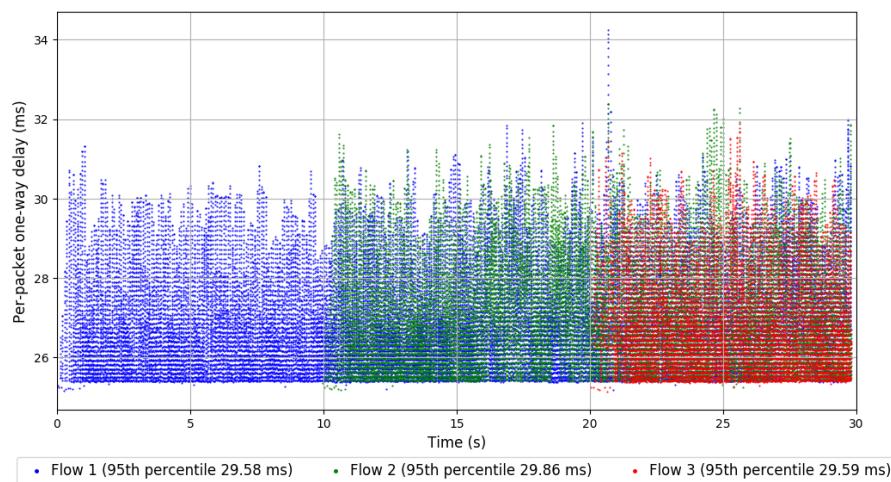
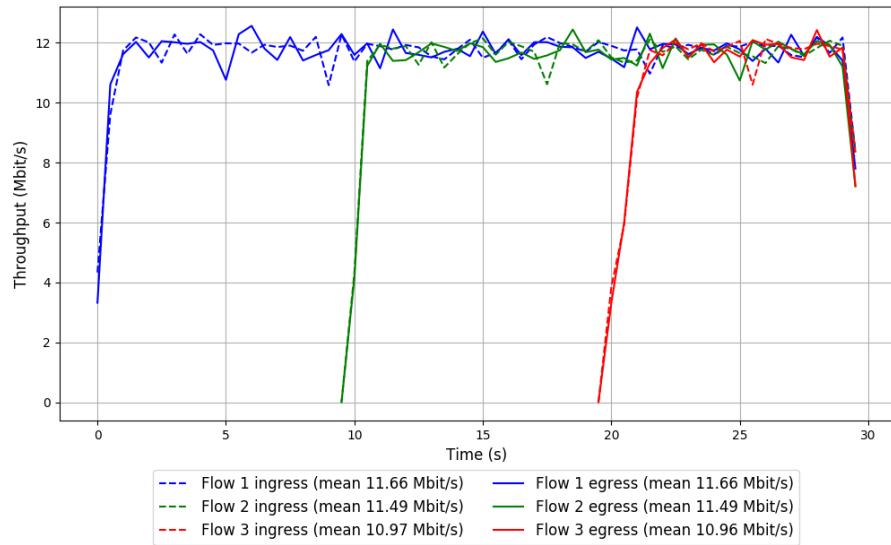


Run 5: Statistics of Sprout

```
Start at: 2017-09-18 07:47:24
End at: 2017-09-18 07:47:54
Local clock offset: 1.488 ms
Remote clock offset: -1.511 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 29.666 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 29.579 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 29.865 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 29.594 ms
Loss rate: 0.90%
```

Run 5: Report of Sprout — Data Link

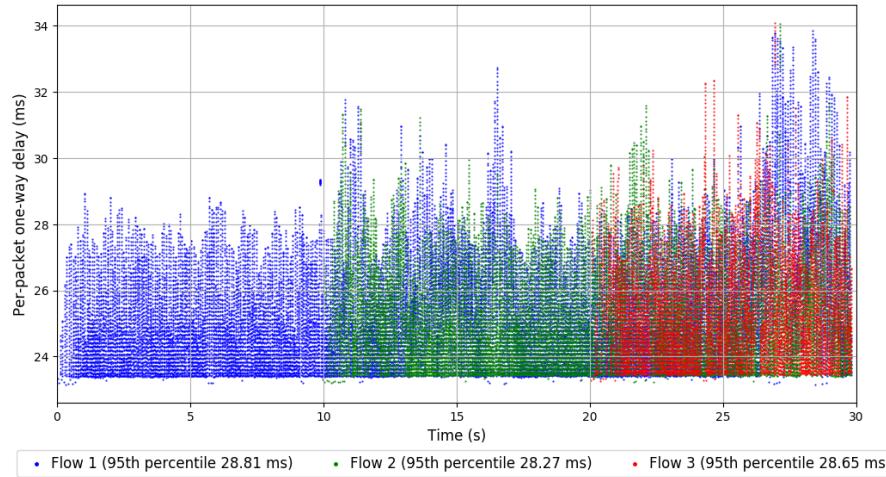
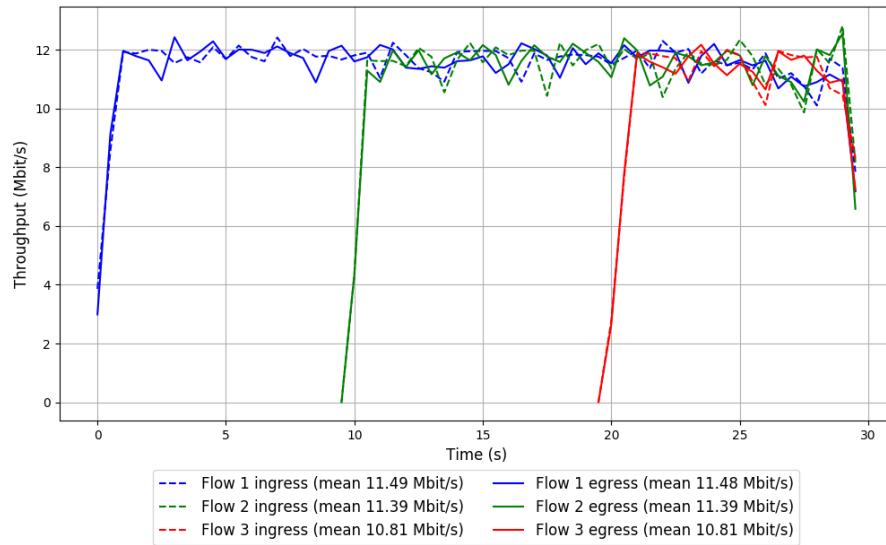


Run 6: Statistics of Sprout

```
Start at: 2017-09-18 08:01:19
End at: 2017-09-18 08:01:49
Local clock offset: 1.353 ms
Remote clock offset: 1.059 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.62 Mbit/s
95th percentile per-packet one-way delay: 28.566 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 11.48 Mbit/s
95th percentile per-packet one-way delay: 28.808 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 28.273 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 28.649 ms
Loss rate: 0.61%
```

Run 6: Report of Sprout — Data Link

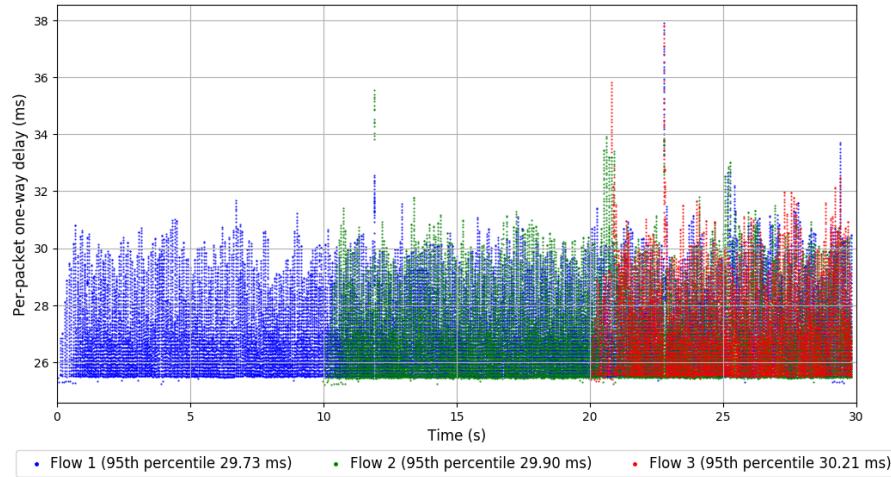
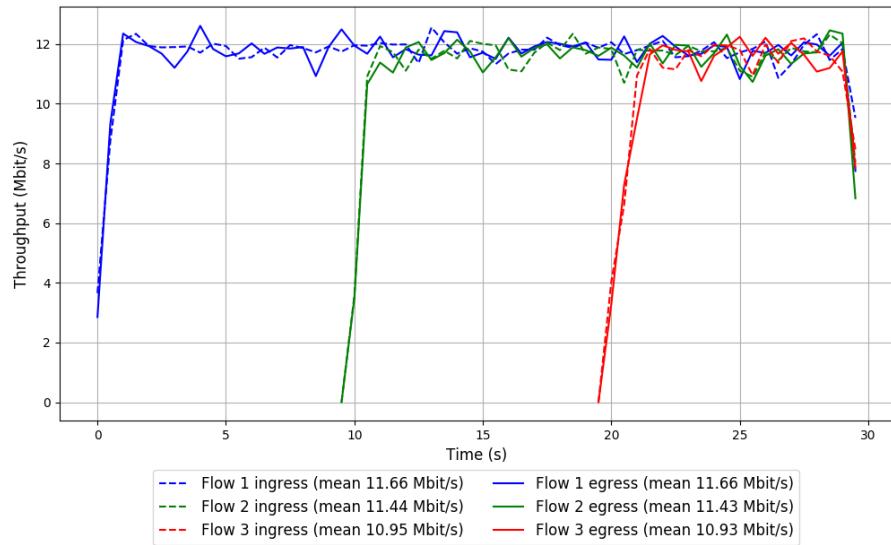


Run 7: Statistics of Sprout

```
Start at: 2017-09-18 08:15:08
End at: 2017-09-18 08:15:38
Local clock offset: 1.332 ms
Remote clock offset: -0.538 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 29.855 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 29.725 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 29.899 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 30.212 ms
Loss rate: 0.75%
```

Run 7: Report of Sprout — Data Link

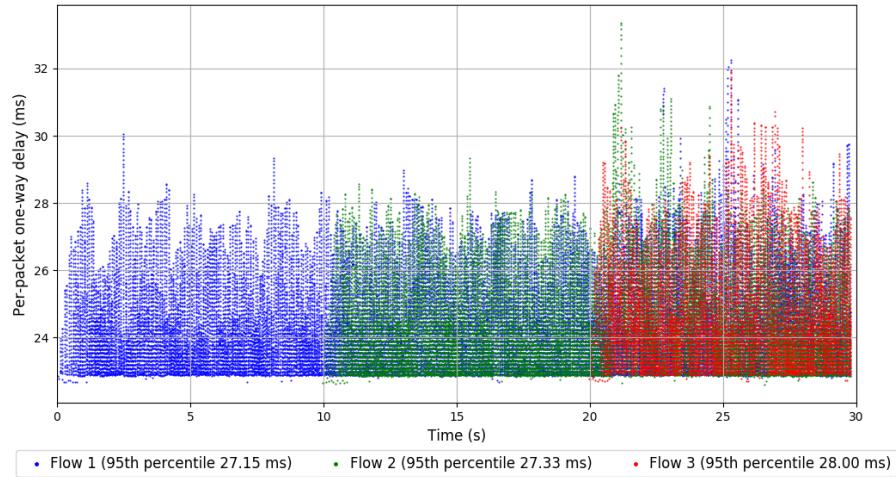
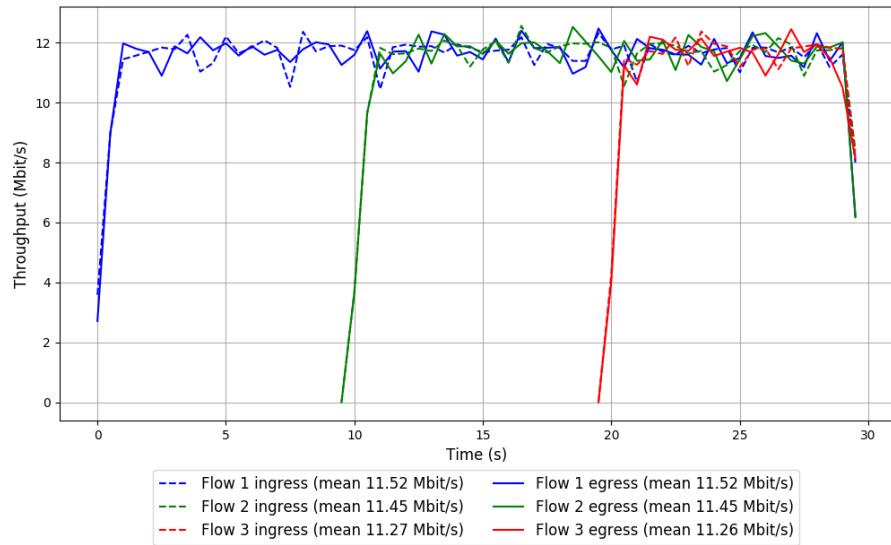


Run 8: Statistics of Sprout

```
Start at: 2017-09-18 08:29:07
End at: 2017-09-18 08:29:37
Local clock offset: 1.092 ms
Remote clock offset: 2.129 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 27.370 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 27.152 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 27.328 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 27.998 ms
Loss rate: 0.87%
```

Run 8: Report of Sprout — Data Link

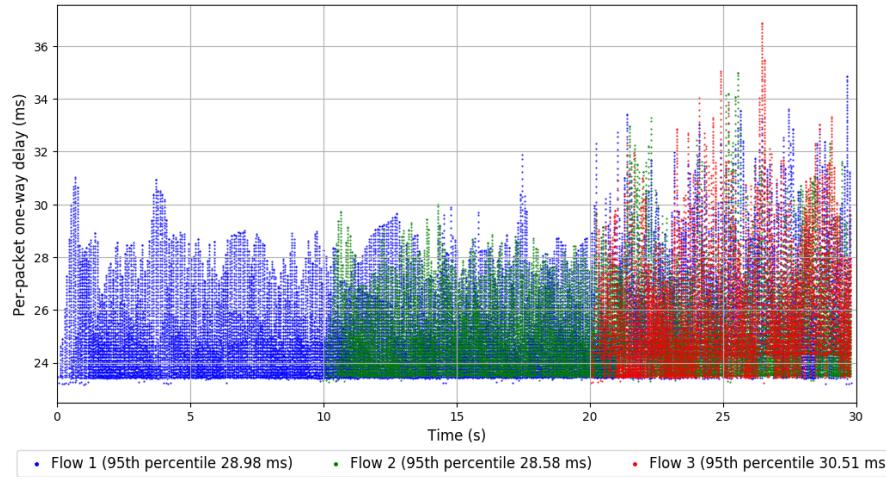
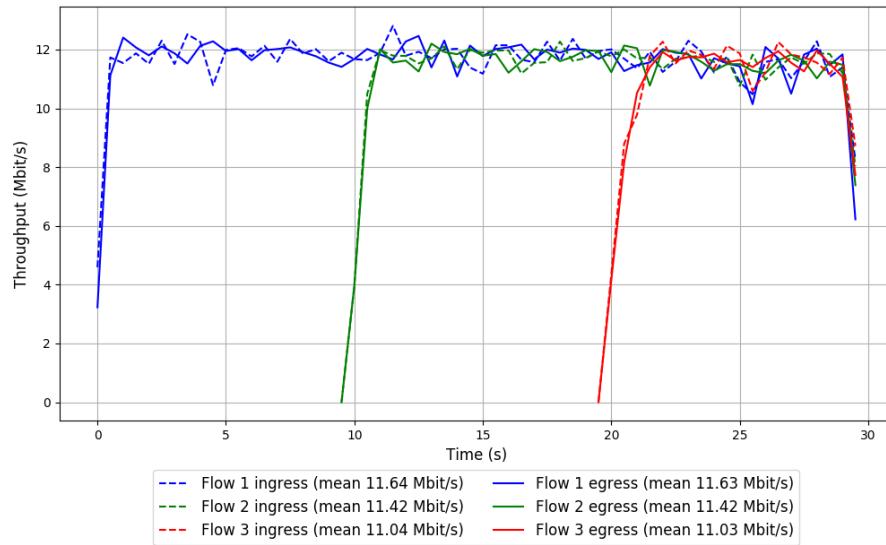


Run 9: Statistics of Sprout

```
Start at: 2017-09-18 08:43:03
End at: 2017-09-18 08:43:33
Local clock offset: 1.076 ms
Remote clock offset: 1.674 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.87 Mbit/s
95th percentile per-packet one-way delay: 29.209 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 28.981 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 28.577 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: 30.513 ms
Loss rate: 0.89%
```

Run 9: Report of Sprout — Data Link

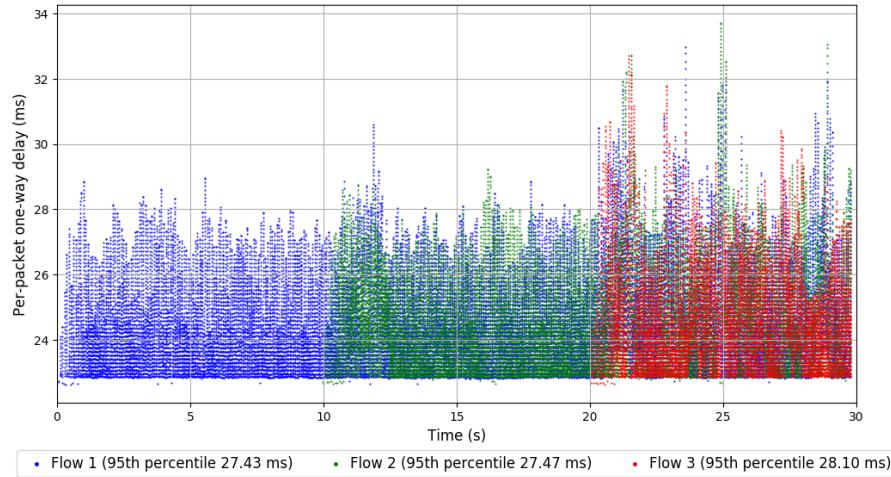
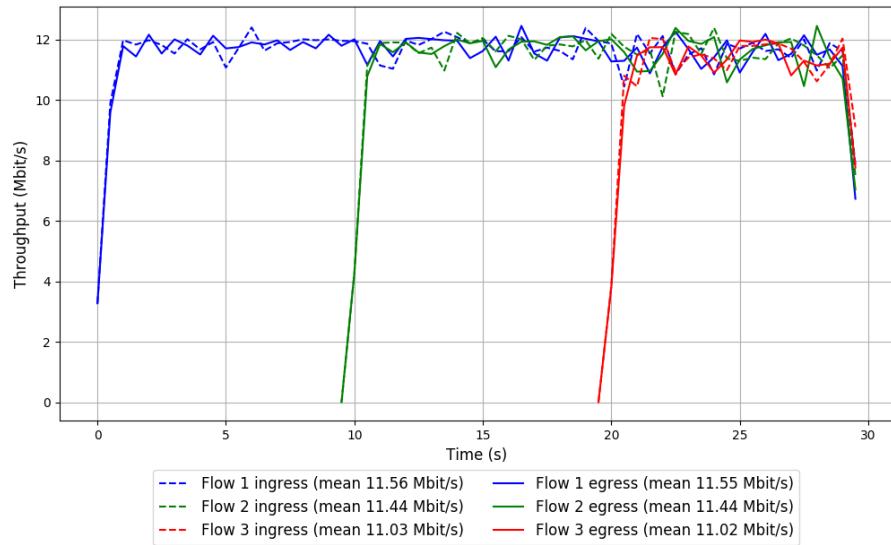


Run 10: Statistics of Sprout

```
Start at: 2017-09-18 08:56:53
End at: 2017-09-18 08:57:23
Local clock offset: 0.893 ms
Remote clock offset: 2.174 ms

# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.80 Mbit/s
95th percentile per-packet one-way delay: 27.555 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 27.431 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 27.471 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 28.101 ms
Loss rate: 0.89%
```

Run 10: Report of Sprout — Data Link

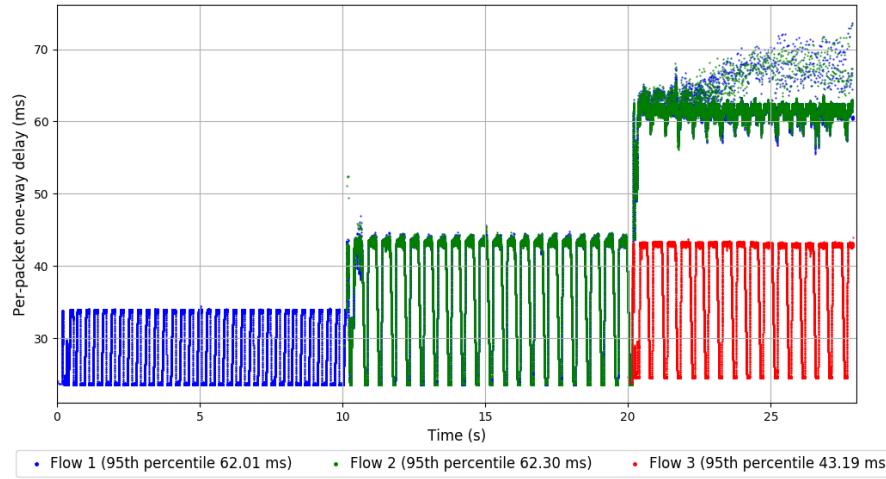
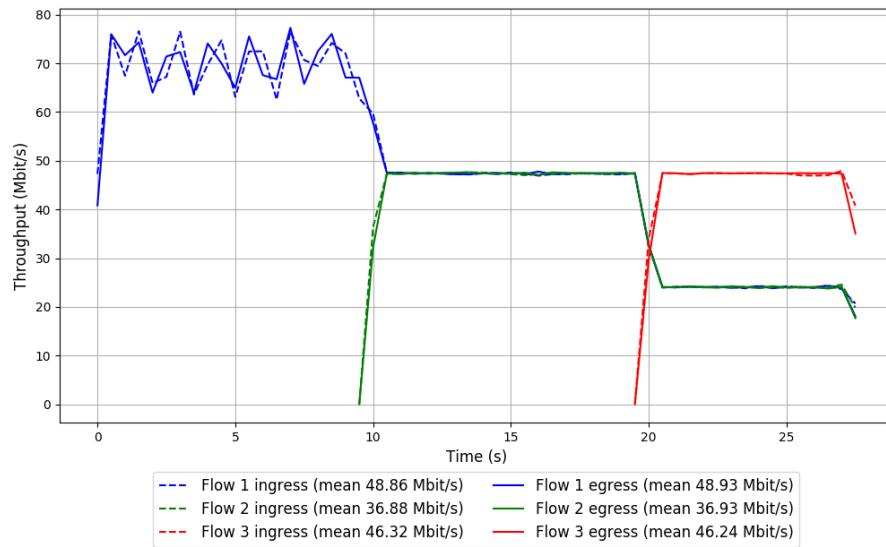


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-09-18 06:56:01
End at: 2017-09-18 06:56:31
Local clock offset: 2.149 ms
Remote clock offset: -2.369 ms

# Below is generated by plot.py at 2017-09-18 11:41:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 62.098 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 62.008 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 62.304 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 43.193 ms
Loss rate: 1.21%
```

Run 1: Report of TaoVA-100x — Data Link

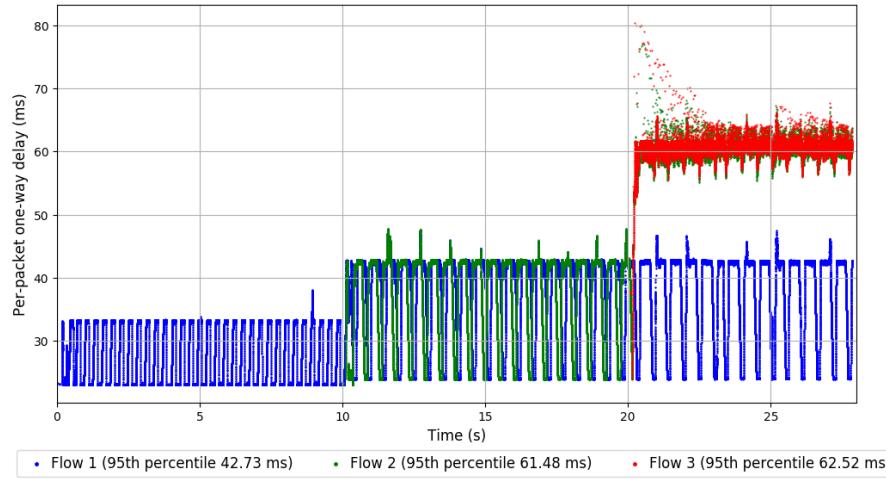
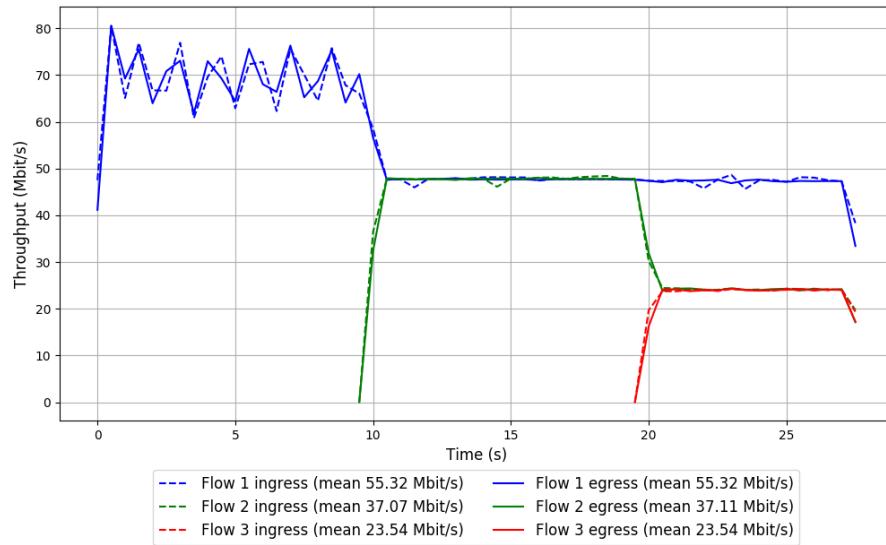


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-09-18 07:09:55
End at: 2017-09-18 07:10:25
Local clock offset: 1.992 ms
Remote clock offset: -1.086 ms

# Below is generated by plot.py at 2017-09-18 11:41:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 61.313 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 42.729 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 61.484 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 62.520 ms
Loss rate: 1.38%
```

Run 2: Report of TaoVA-100x — Data Link

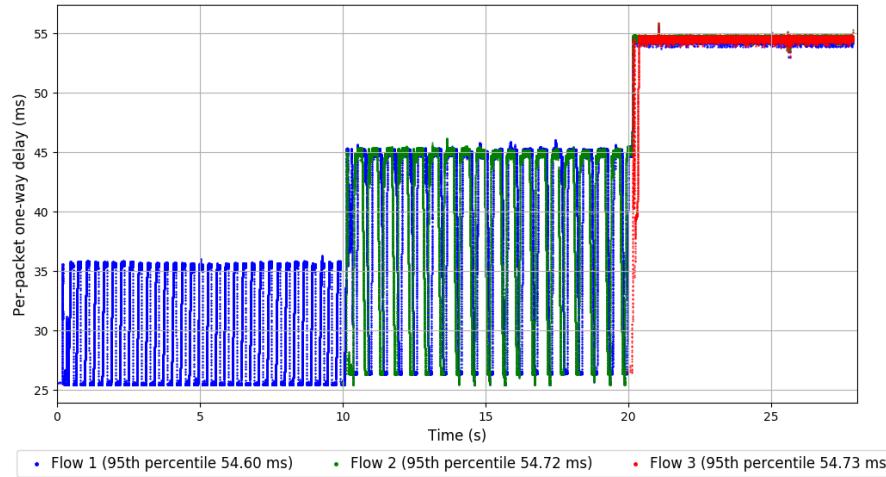
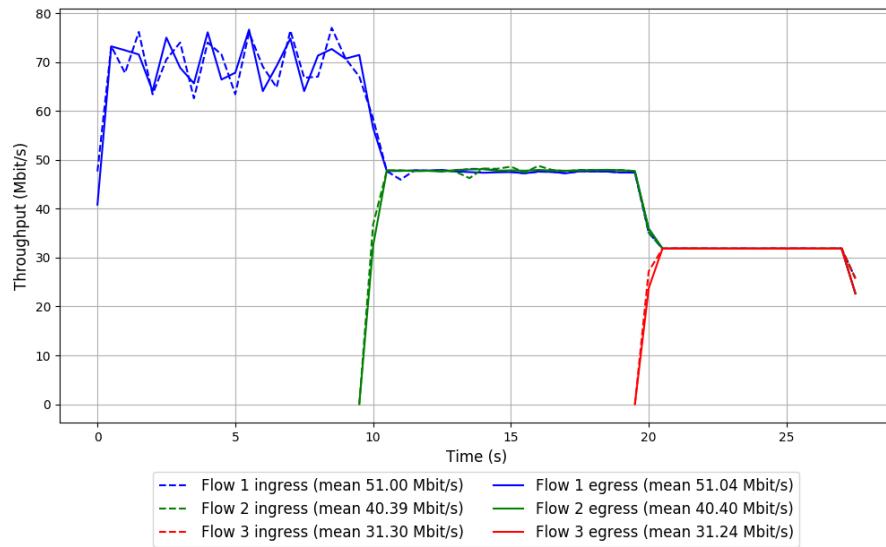


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-09-18 07:23:46
End at: 2017-09-18 07:24:16
Local clock offset: 1.879 ms
Remote clock offset: -2.645 ms

# Below is generated by plot.py at 2017-09-18 11:41:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 54.675 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 54.603 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 54.716 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 54.735 ms
Loss rate: 1.31%
```

Run 3: Report of TaoVA-100x — Data Link

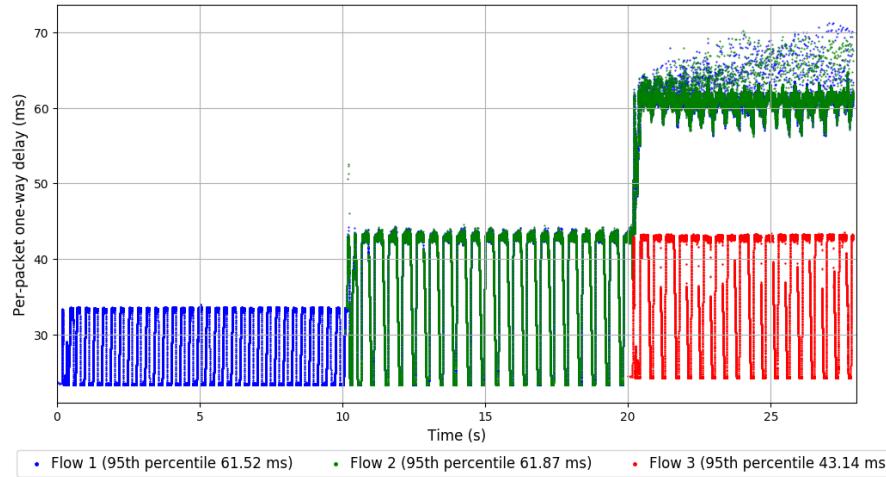
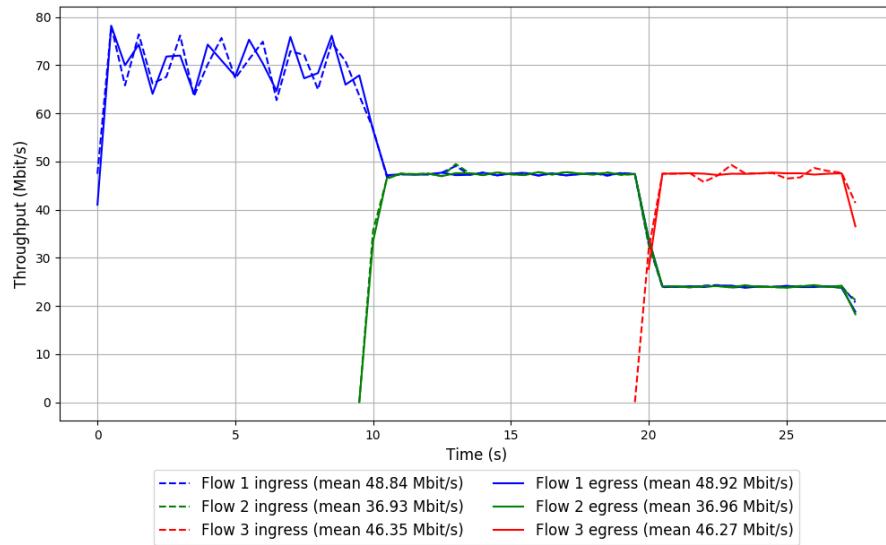


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-09-18 07:37:36
End at: 2017-09-18 07:38:06
Local clock offset: 1.687 ms
Remote clock offset: 0.131 ms

# Below is generated by plot.py at 2017-09-18 11:41:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 61.615 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 48.92 Mbit/s
95th percentile per-packet one-way delay: 61.523 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 61.874 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 46.27 Mbit/s
95th percentile per-packet one-way delay: 43.137 ms
Loss rate: 1.22%
```

Run 4: Report of TaoVA-100x — Data Link

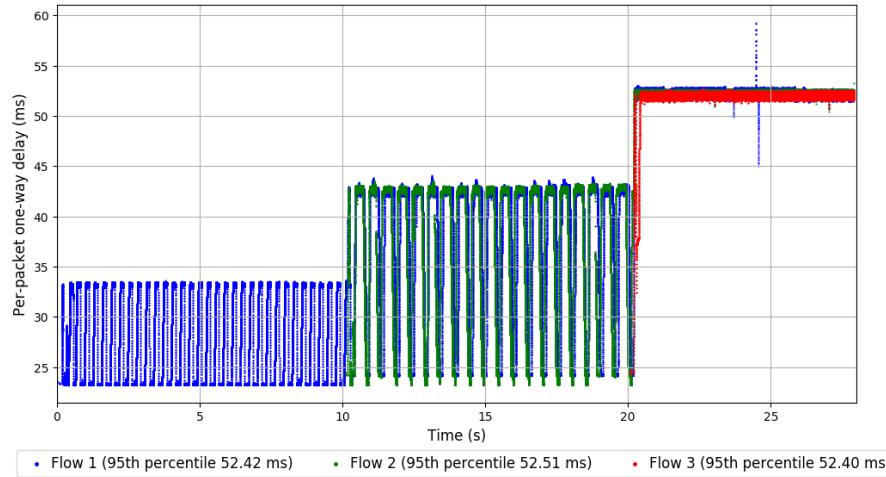
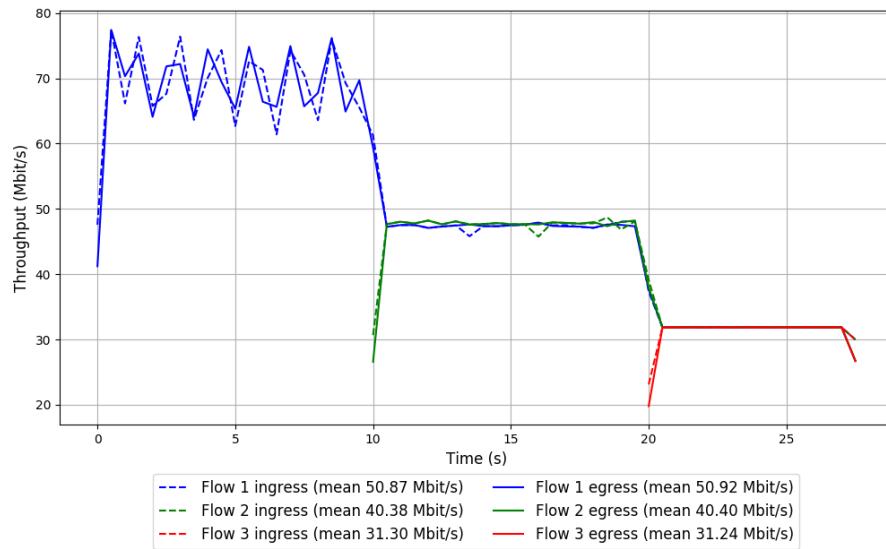


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-09-18 07:51:29
End at: 2017-09-18 07:51:59
Local clock offset: 1.44 ms
Remote clock offset: 0.735 ms

# Below is generated by plot.py at 2017-09-18 11:41:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 52.465 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 52.419 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 52.509 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 52.401 ms
Loss rate: 1.31%
```

Run 5: Report of TaoVA-100x — Data Link

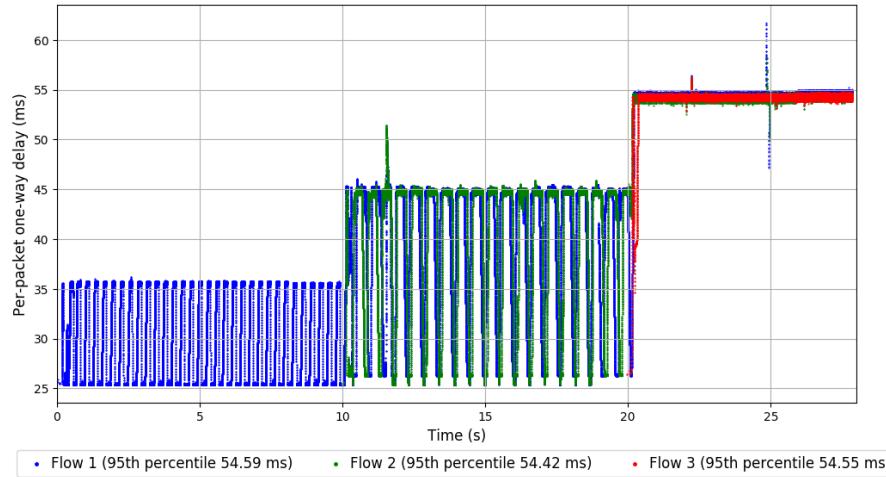
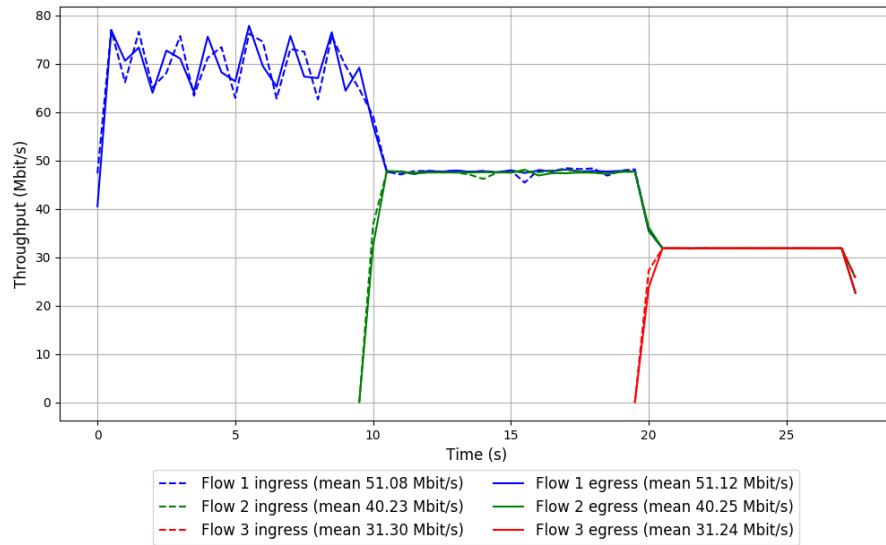


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-09-18 08:05:23
End at: 2017-09-18 08:05:53
Local clock offset: 1.311 ms
Remote clock offset: -0.815 ms

# Below is generated by plot.py at 2017-09-18 11:41:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.84 Mbit/s
95th percentile per-packet one-way delay: 54.549 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 54.591 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 54.419 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 54.555 ms
Loss rate: 1.31%
```

Run 6: Report of TaoVA-100x — Data Link

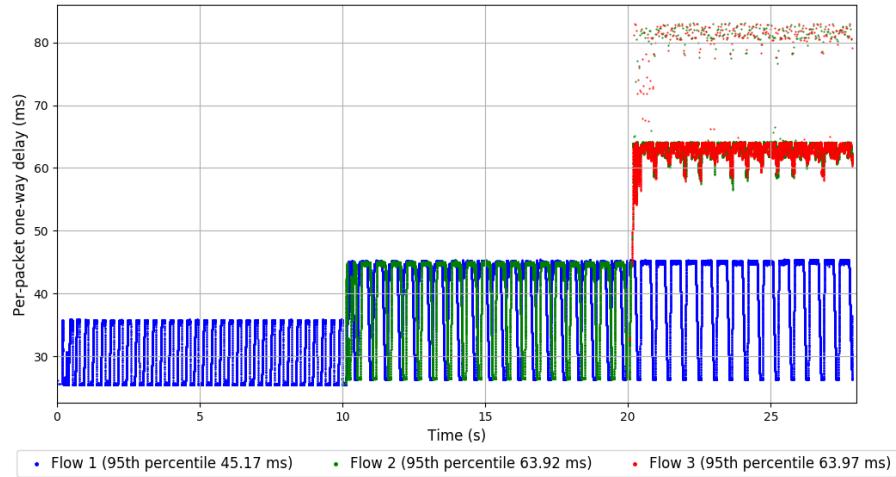
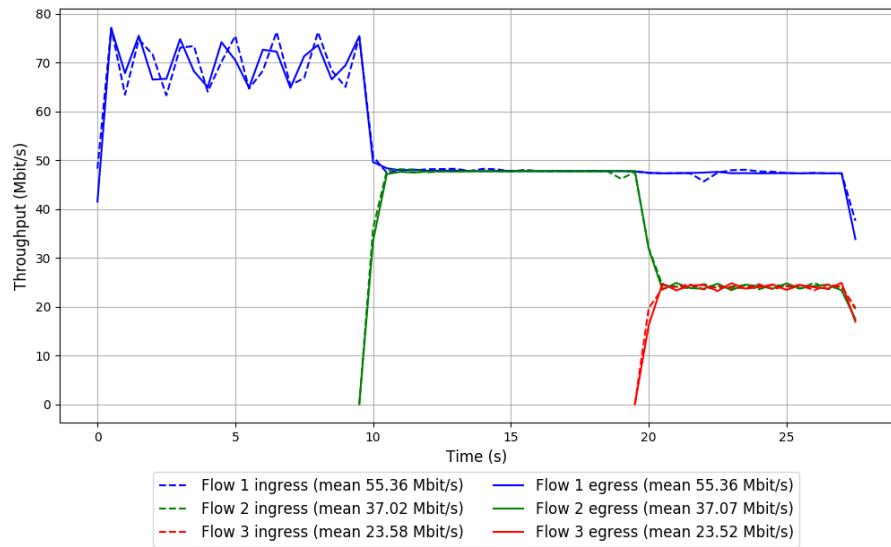


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-09-18 08:19:20
End at: 2017-09-18 08:19:50
Local clock offset: 1.179 ms
Remote clock offset: -0.649 ms

# Below is generated by plot.py at 2017-09-18 11:41:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.83 Mbit/s
95th percentile per-packet one-way delay: 63.697 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 45.166 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 63.917 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 63.969 ms
Loss rate: 1.45%
```

Run 7: Report of TaoVA-100x — Data Link

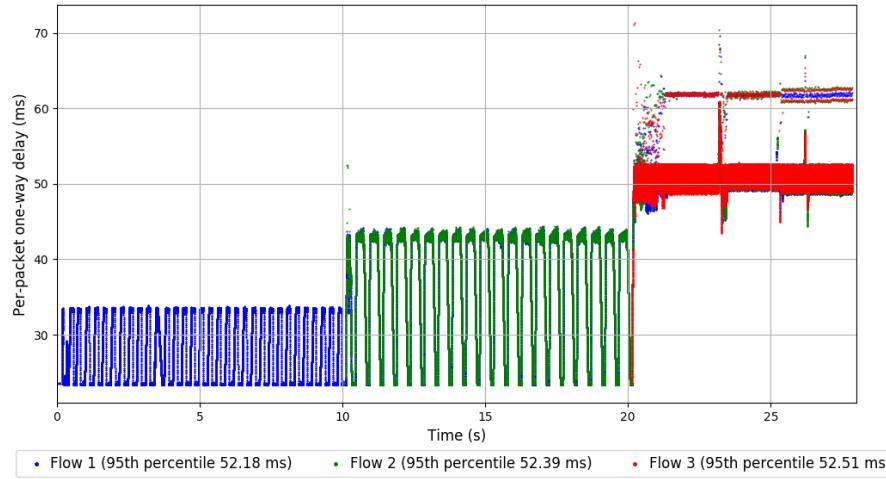
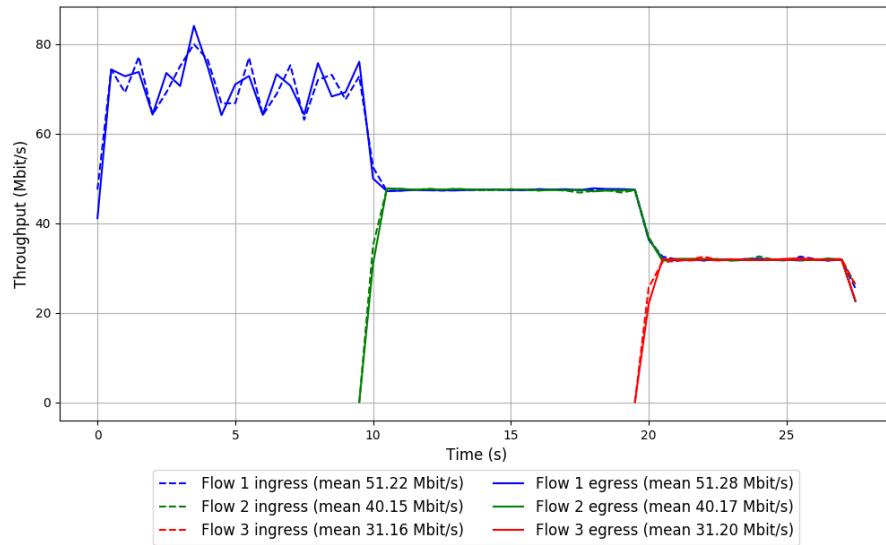


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-09-18 08:33:12
End at: 2017-09-18 08:33:42
Local clock offset: 1.147 ms
Remote clock offset: 1.676 ms

# Below is generated by plot.py at 2017-09-18 11:41:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 52.366 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 52.179 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 52.394 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 52.514 ms
Loss rate: 1.30%
```

Run 8: Report of TaoVA-100x — Data Link

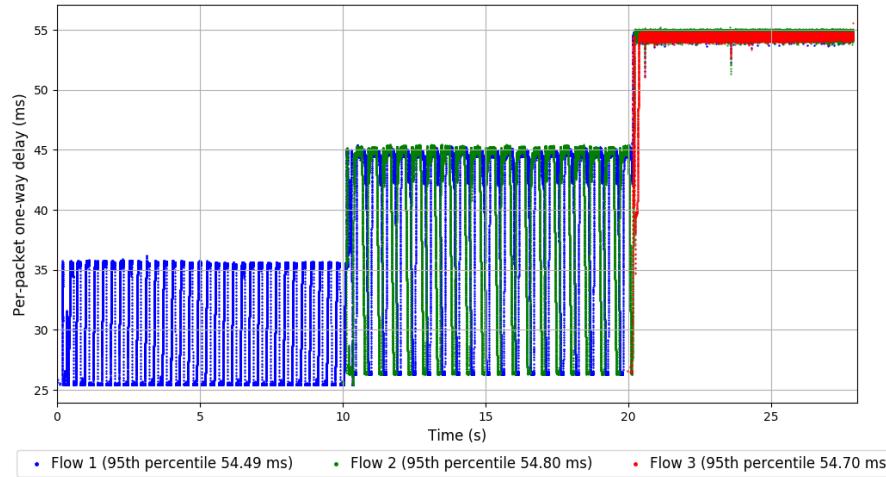
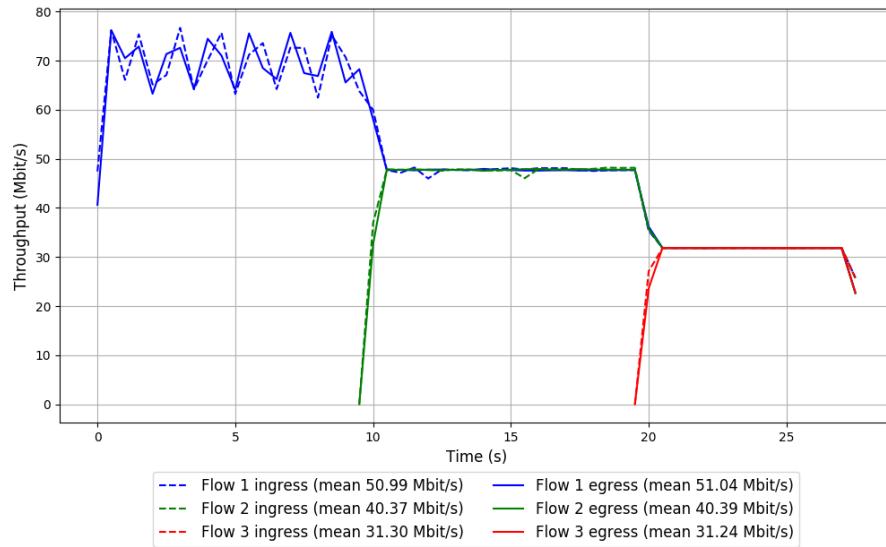


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-09-18 08:47:08
End at: 2017-09-18 08:47:38
Local clock offset: 1.045 ms
Remote clock offset: -0.35 ms

# Below is generated by plot.py at 2017-09-18 11:43:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.83 Mbit/s
95th percentile per-packet one-way delay: 54.685 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 54.493 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 54.804 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 54.702 ms
Loss rate: 1.32%
```

Run 9: Report of TaoVA-100x — Data Link

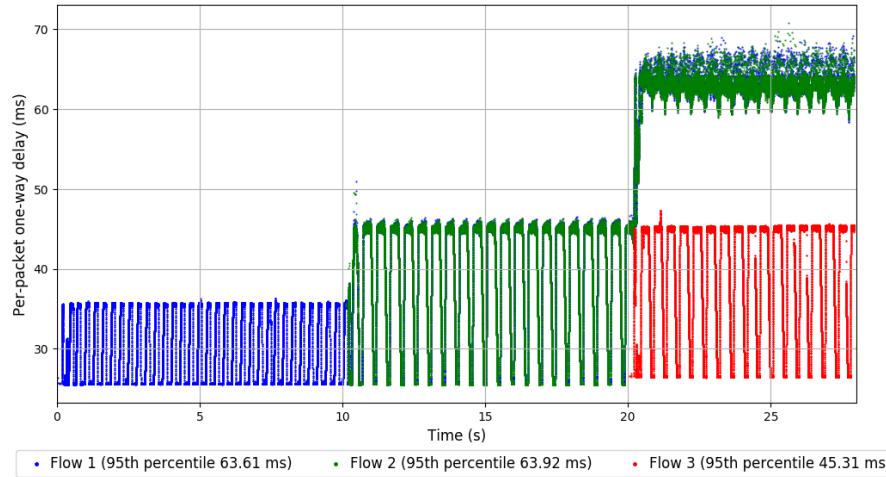
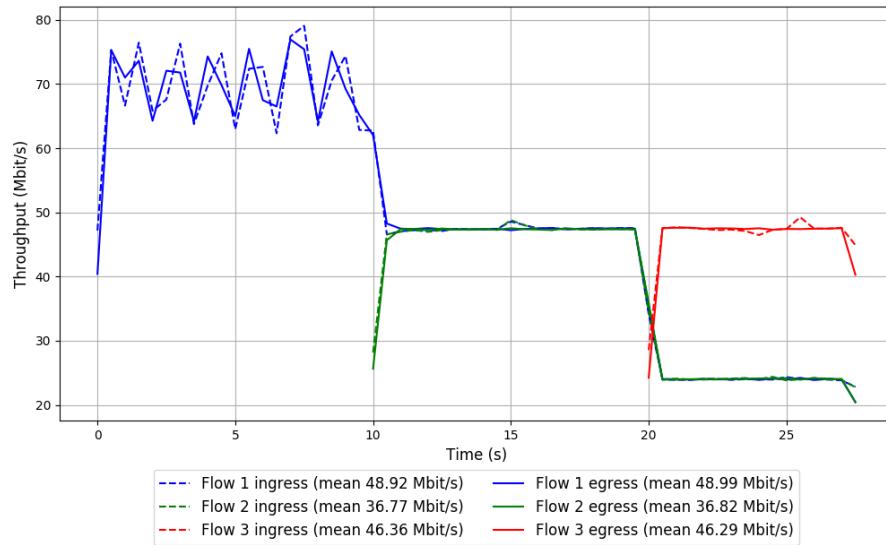


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-09-18 09:00:58
End at: 2017-09-18 09:01:28
Local clock offset: 0.875 ms
Remote clock offset: -0.476 ms

# Below is generated by plot.py at 2017-09-18 11:43:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 63.662 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 63.614 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 63.921 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 45.313 ms
Loss rate: 1.22%
```

Run 10: Report of TaoVA-100x — Data Link

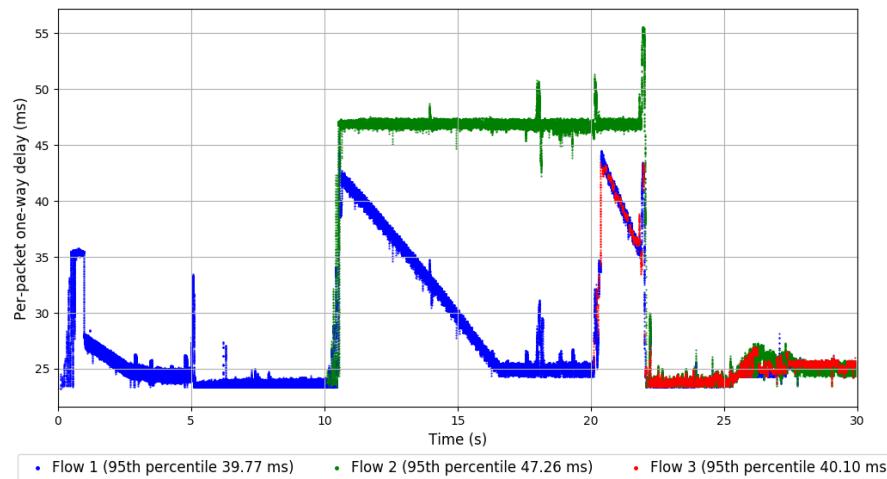
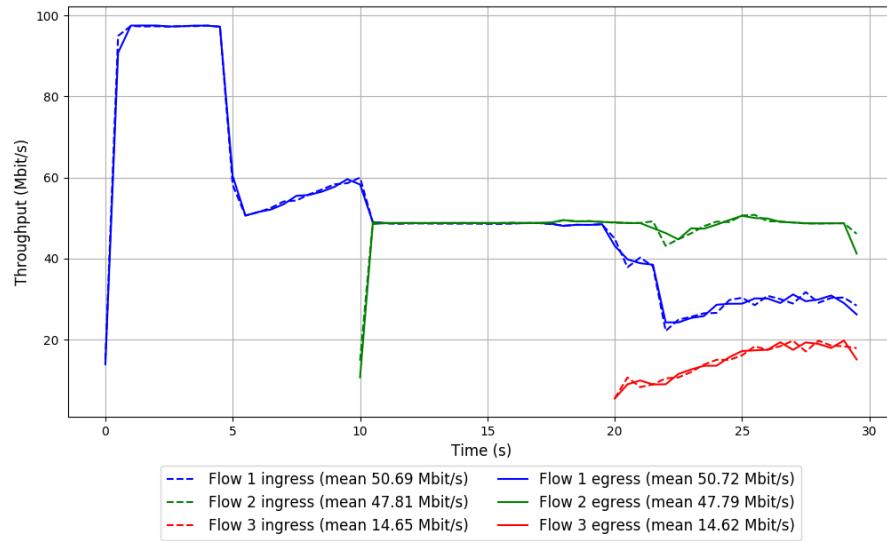


Run 1: Statistics of TCP Vegas

```
Start at: 2017-09-18 06:54:39
End at: 2017-09-18 06:55:09
Local clock offset: 2.075 ms
Remote clock offset: -2.362 ms

# Below is generated by plot.py at 2017-09-18 11:43:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 47.061 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 39.768 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 47.258 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 40.104 ms
Loss rate: 0.98%
```

Run 1: Report of TCP Vegas — Data Link

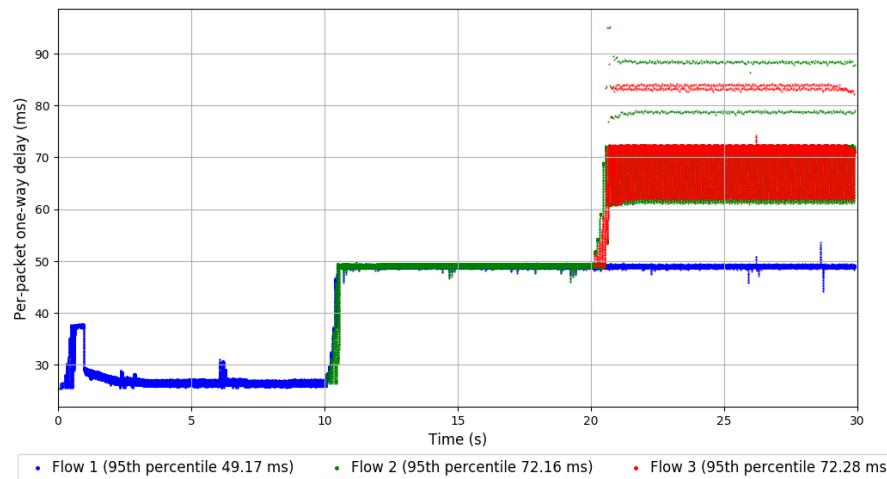
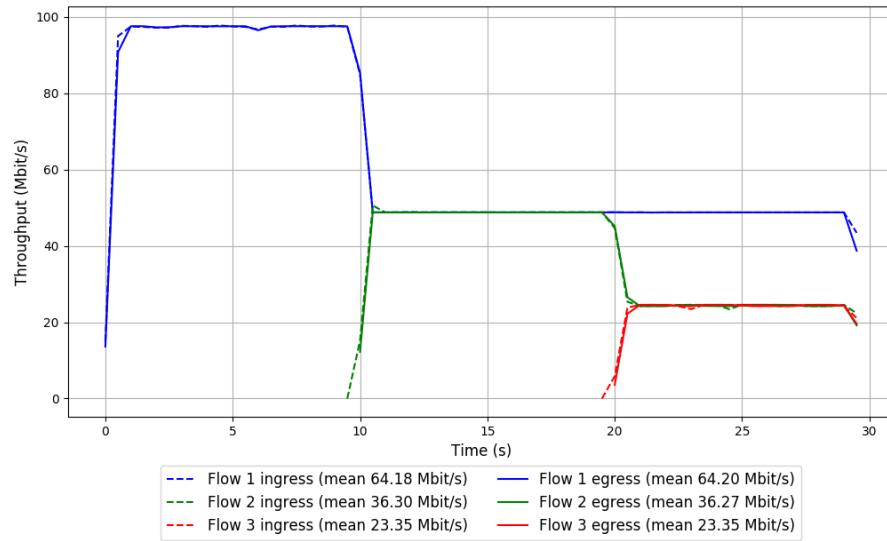


Run 2: Statistics of TCP Vegas

```
Start at: 2017-09-18 07:08:32
End at: 2017-09-18 07:09:02
Local clock offset: 1.98 ms
Remote clock offset: -3.587 ms

# Below is generated by plot.py at 2017-09-18 11:43:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 71.999 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 49.167 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 72.164 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 72.279 ms
Loss rate: 1.12%
```

Run 2: Report of TCP Vegas — Data Link

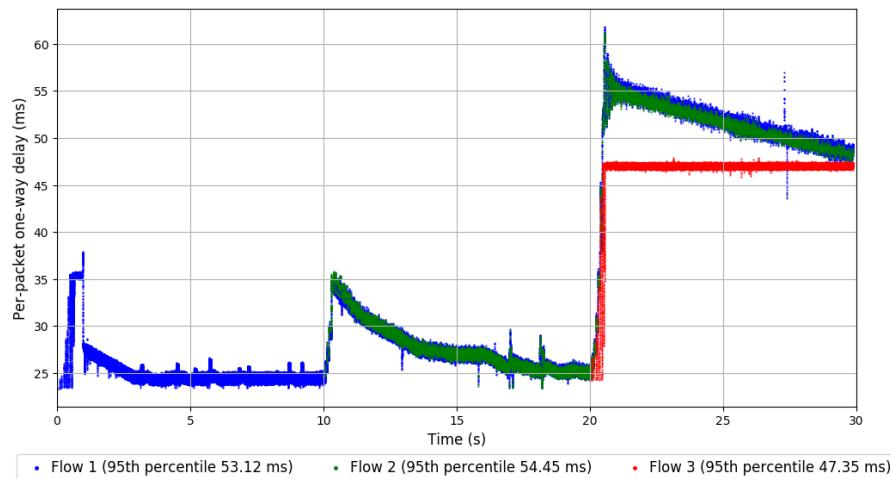
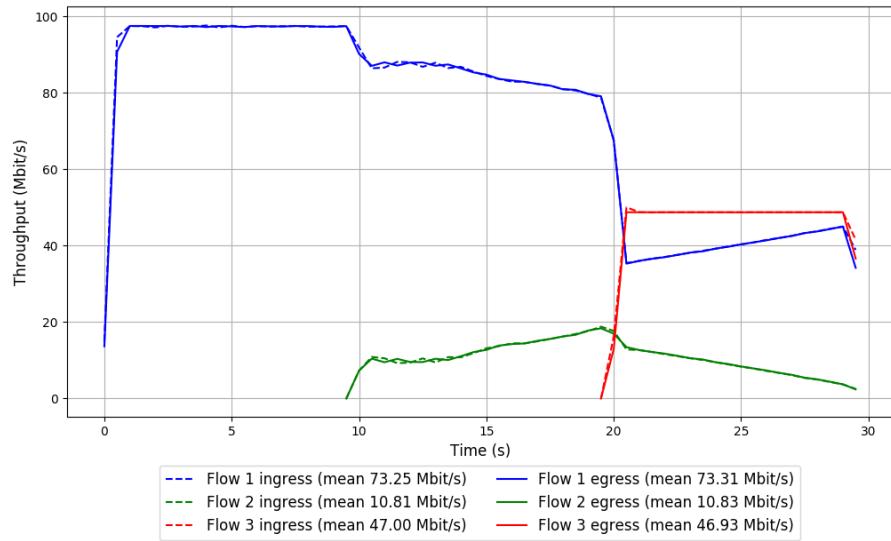


Run 3: Statistics of TCP Vegas

```
Start at: 2017-09-18 07:22:22
End at: 2017-09-18 07:22:52
Local clock offset: 1.894 ms
Remote clock offset: -0.645 ms

# Below is generated by plot.py at 2017-09-18 11:43:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 53.077 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 53.121 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 54.452 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 47.350 ms
Loss rate: 1.02%
```

Run 3: Report of TCP Vegas — Data Link

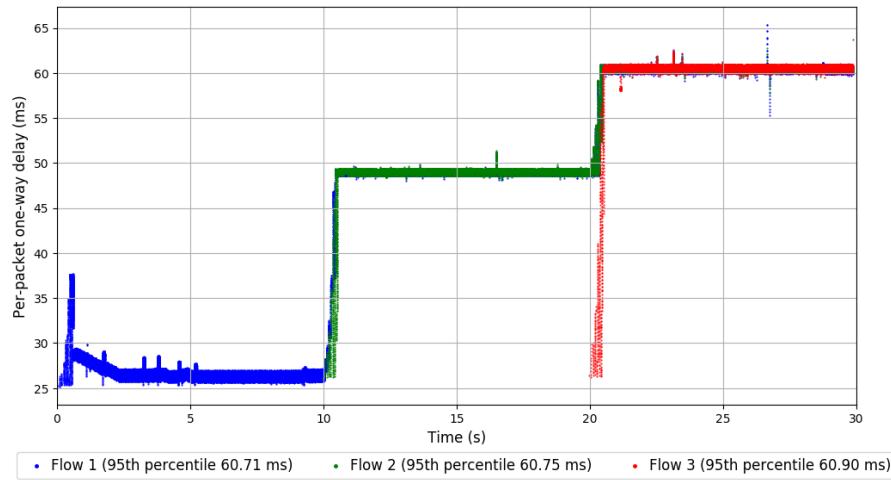
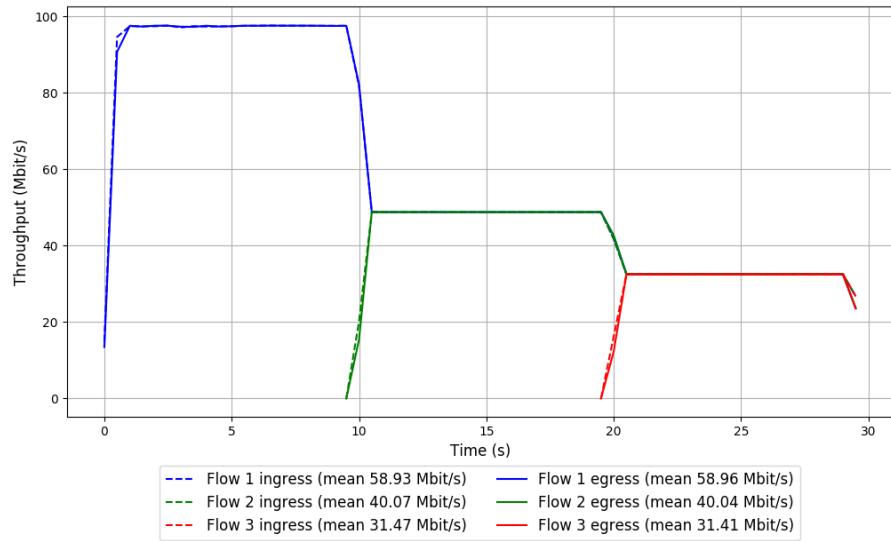


Run 4: Statistics of TCP Vegas

```
Start at: 2017-09-18 07:36:12
End at: 2017-09-18 07:36:42
Local clock offset: 1.626 ms
Remote clock offset: -1.93 ms

# Below is generated by plot.py at 2017-09-18 11:43:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 60.791 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 60.714 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 60.746 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 60.898 ms
Loss rate: 1.13%
```

Run 4: Report of TCP Vegas — Data Link

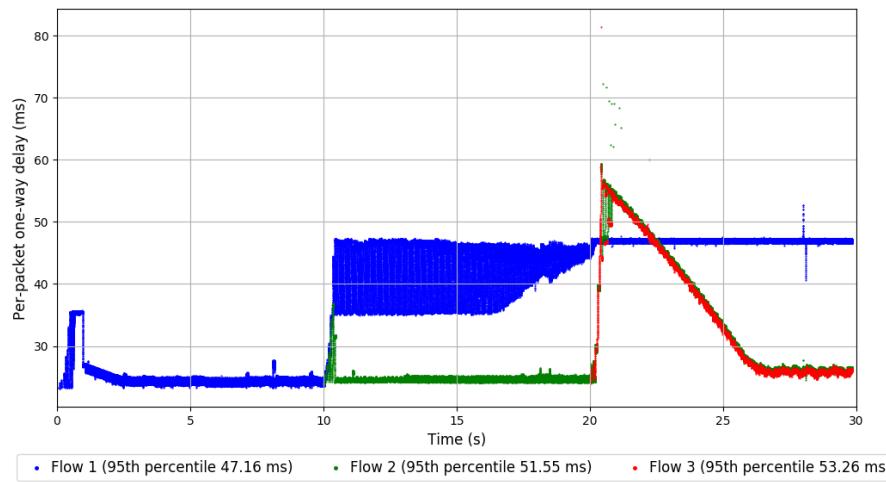
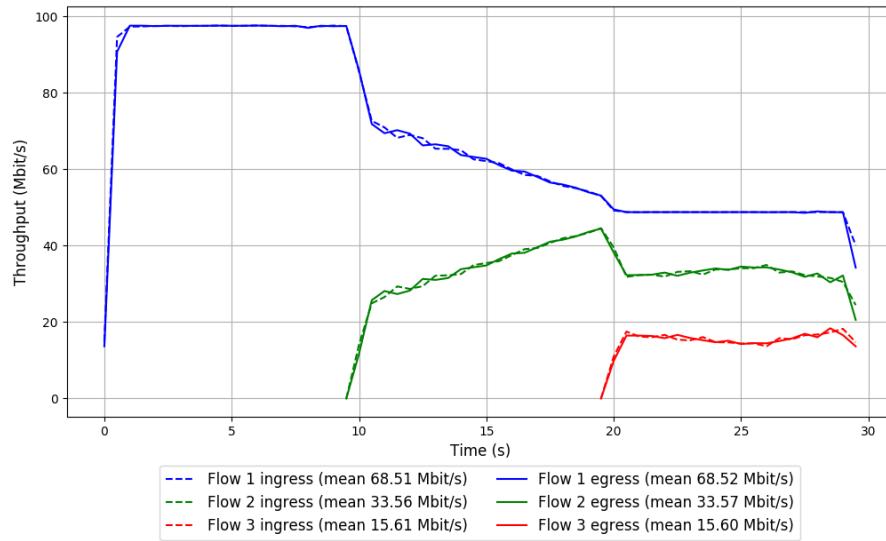


Run 5: Statistics of TCP Vegas

```
Start at: 2017-09-18 07:50:06
End at: 2017-09-18 07:50:36
Local clock offset: 1.555 ms
Remote clock offset: 0.77 ms

# Below is generated by plot.py at 2017-09-18 11:43:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 47.212 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 68.52 Mbit/s
95th percentile per-packet one-way delay: 47.163 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 51.555 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 53.264 ms
Loss rate: 0.91%
```

Run 5: Report of TCP Vegas — Data Link

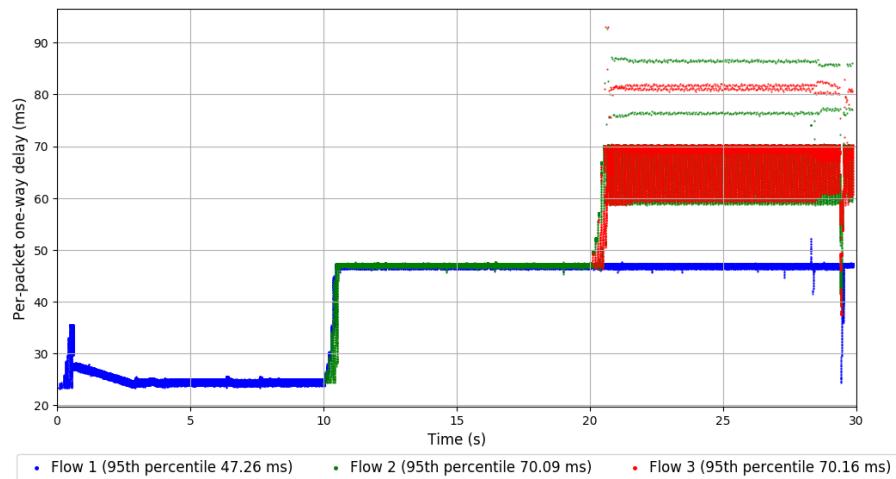
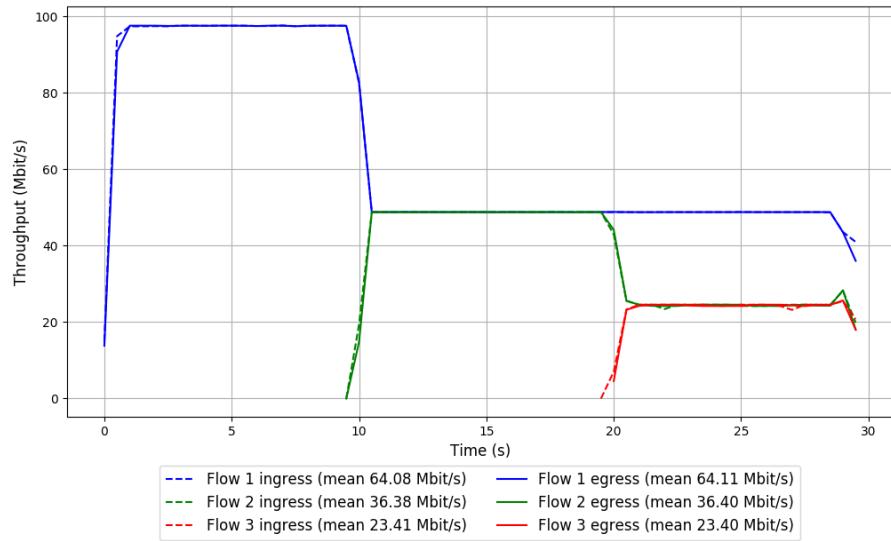


Run 6: Statistics of TCP Vegas

```
Start at: 2017-09-18 08:04:00
End at: 2017-09-18 08:04:30
Local clock offset: 1.413 ms
Remote clock offset: 1.233 ms

# Below is generated by plot.py at 2017-09-18 11:43:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 69.899 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 64.11 Mbit/s
95th percentile per-packet one-way delay: 47.261 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 70.089 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 70.163 ms
Loss rate: 1.19%
```

Run 6: Report of TCP Vegas — Data Link

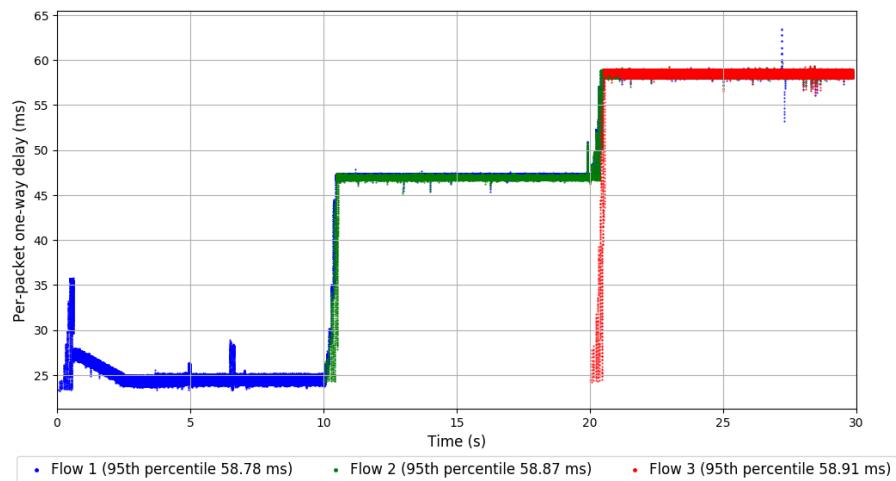
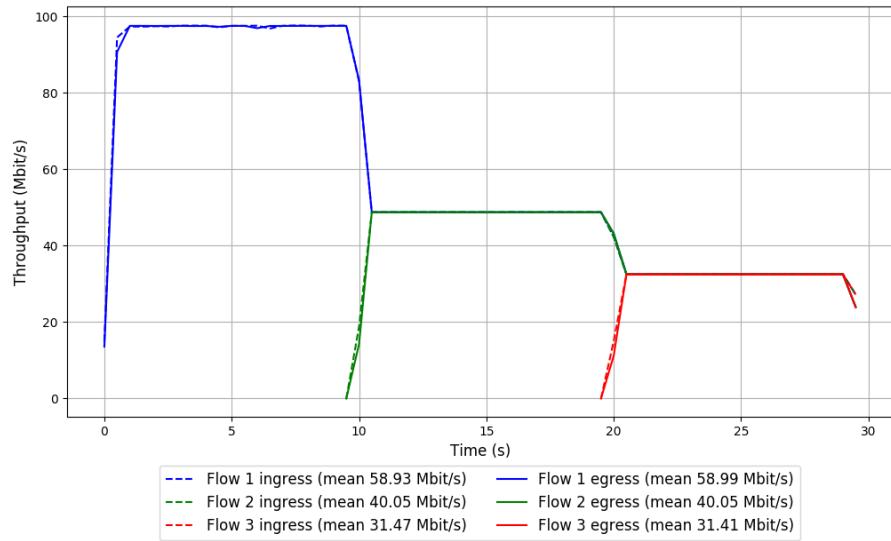


Run 7: Statistics of TCP Vegas

```
Start at: 2017-09-18 08:17:56
End at: 2017-09-18 08:18:26
Local clock offset: 1.295 ms
Remote clock offset: 1.534 ms

# Below is generated by plot.py at 2017-09-18 11:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 58.856 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 58.785 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 58.874 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 58.911 ms
Loss rate: 1.13%
```

Run 7: Report of TCP Vegas — Data Link

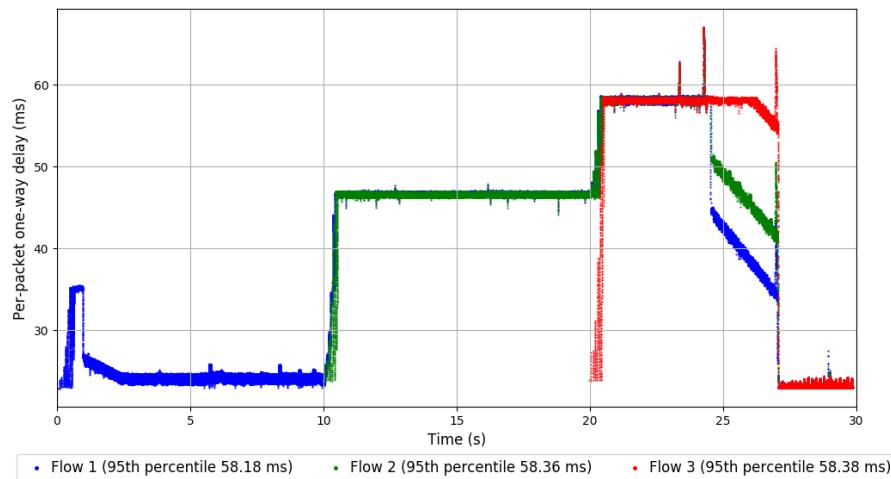
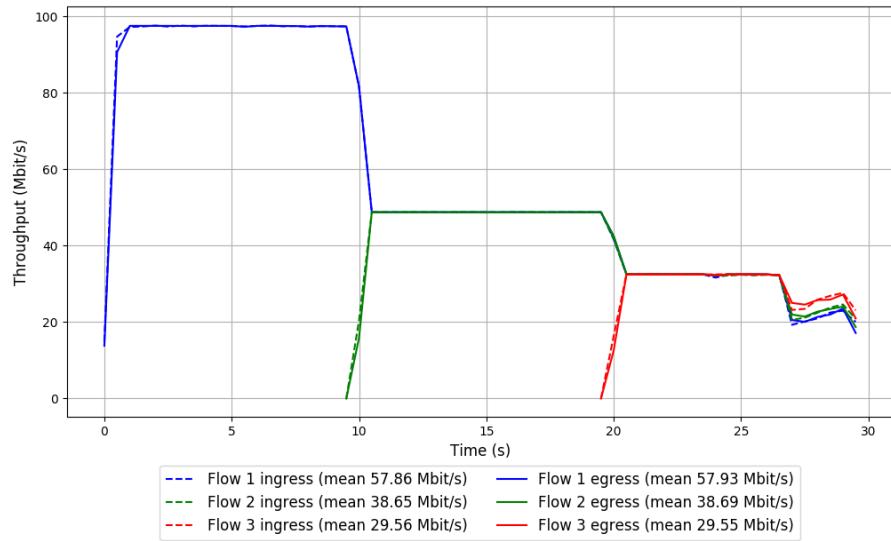


Run 8: Statistics of TCP Vegas

```
Start at: 2017-09-18 08:31:48
End at: 2017-09-18 08:32:18
Local clock offset: 1.17 ms
Remote clock offset: 2.053 ms

# Below is generated by plot.py at 2017-09-18 11:44:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 58.346 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 58.179 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 58.362 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 58.384 ms
Loss rate: 0.80%
```

Run 8: Report of TCP Vegas — Data Link

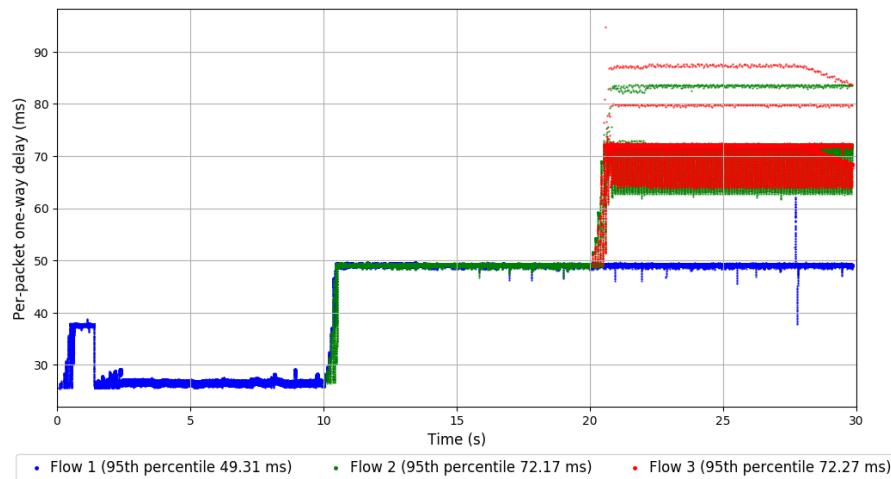
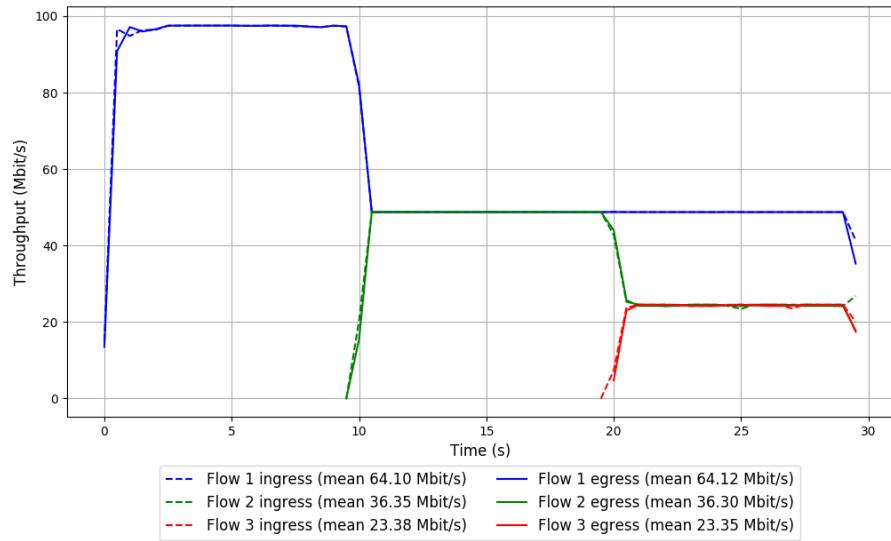


Run 9: Statistics of TCP Vegas

```
Start at: 2017-09-18 08:45:44
End at: 2017-09-18 08:46:14
Local clock offset: 1.064 ms
Remote clock offset: -0.508 ms

# Below is generated by plot.py at 2017-09-18 11:44:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 71.986 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 64.12 Mbit/s
95th percentile per-packet one-way delay: 49.312 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 72.168 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 72.271 ms
Loss rate: 1.28%
```

Run 9: Report of TCP Vegas — Data Link

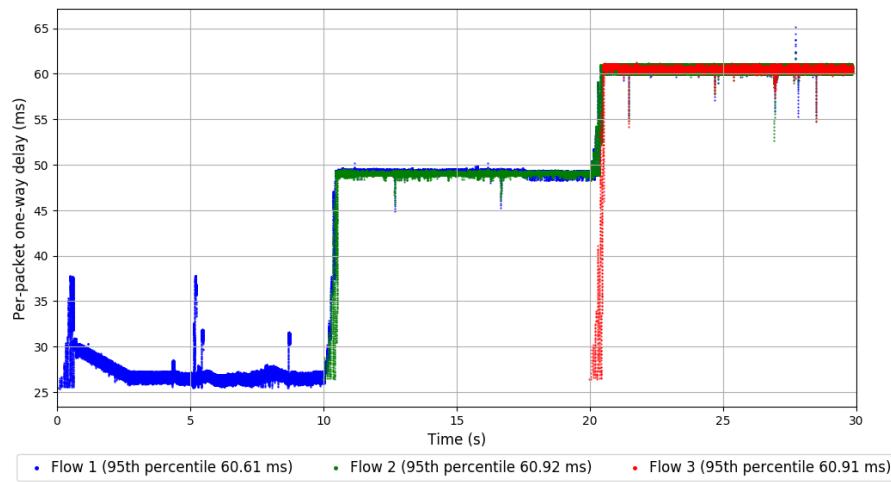
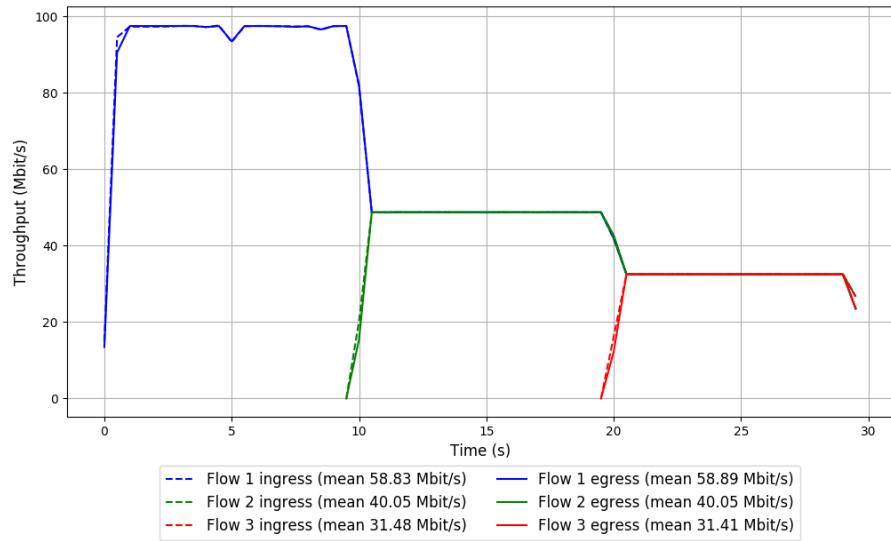


Run 10: Statistics of TCP Vegas

```
Start at: 2017-09-18 08:59:34
End at: 2017-09-18 09:00:04
Local clock offset: 0.968 ms
Remote clock offset: -0.434 ms

# Below is generated by plot.py at 2017-09-18 11:44:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 60.890 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 60.607 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 60.922 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 60.905 ms
Loss rate: 1.13%
```

Run 10: Report of TCP Vegas — Data Link

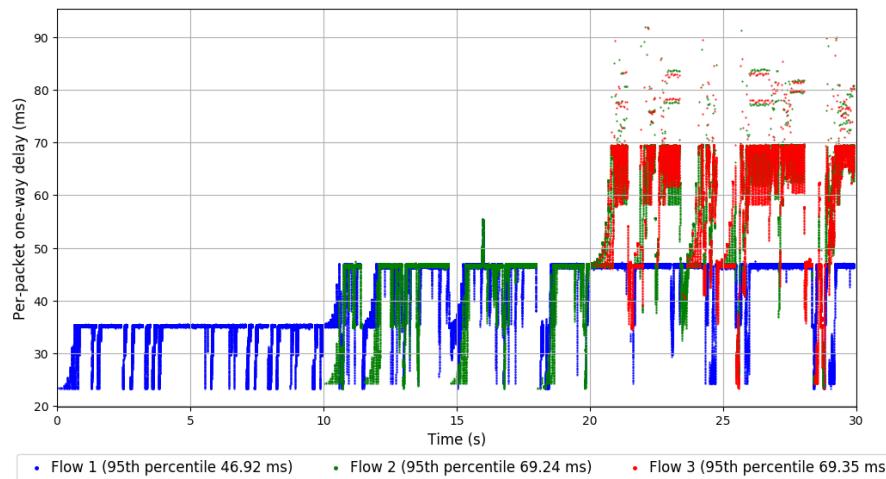
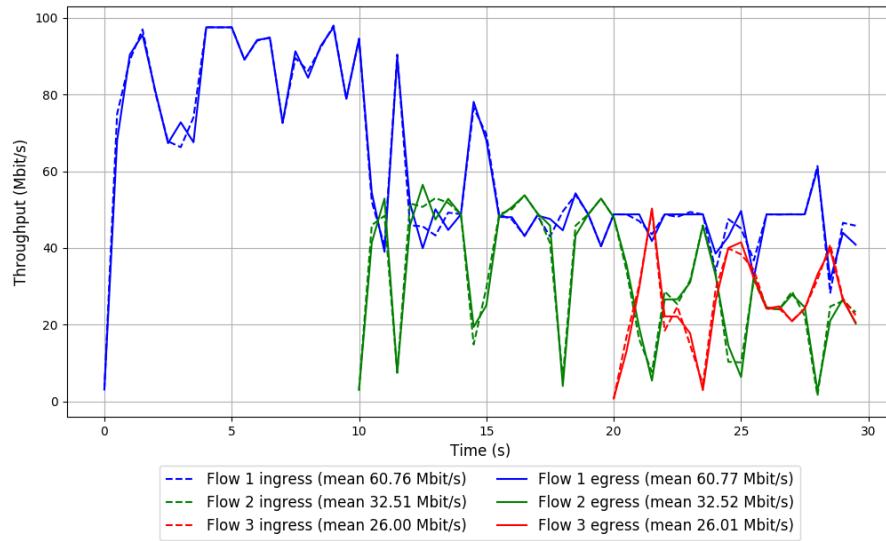


Run 1: Statistics of Verus

```
Start at: 2017-09-18 06:58:51
End at: 2017-09-18 06:59:21
Local clock offset: 2.007 ms
Remote clock offset: -2.178 ms

# Below is generated by plot.py at 2017-09-18 11:44:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 67.288 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 60.77 Mbit/s
95th percentile per-packet one-way delay: 46.925 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 69.239 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 69.354 ms
Loss rate: 1.06%
```

Run 1: Report of Verus — Data Link

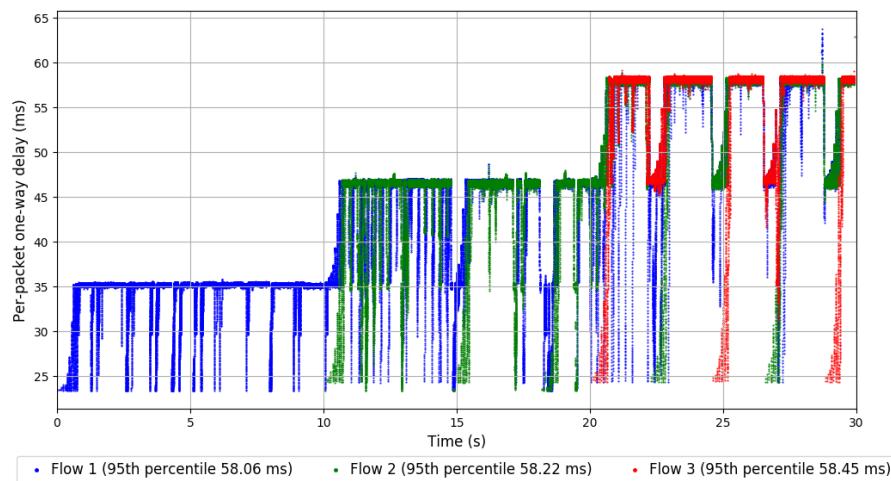
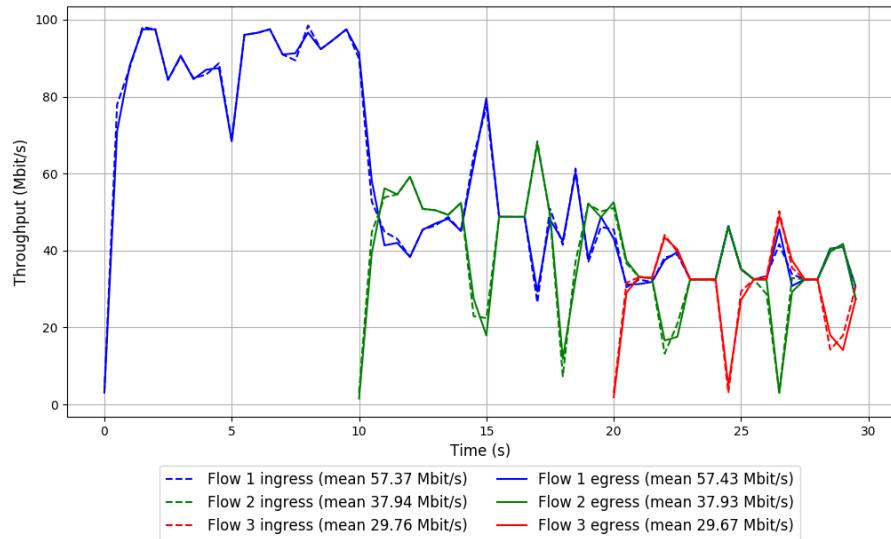


Run 2: Statistics of Verus

```
Start at: 2017-09-18 07:12:42
End at: 2017-09-18 07:13:12
Local clock offset: 1.848 ms
Remote clock offset: -1.323 ms

# Below is generated by plot.py at 2017-09-18 11:44:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 58.262 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 58.061 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 58.221 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 58.454 ms
Loss rate: 1.19%
```

Run 2: Report of Verus — Data Link

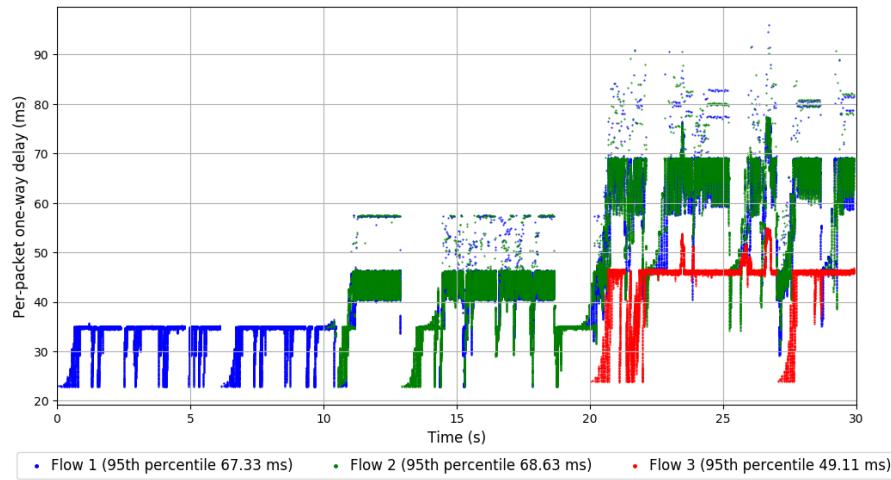
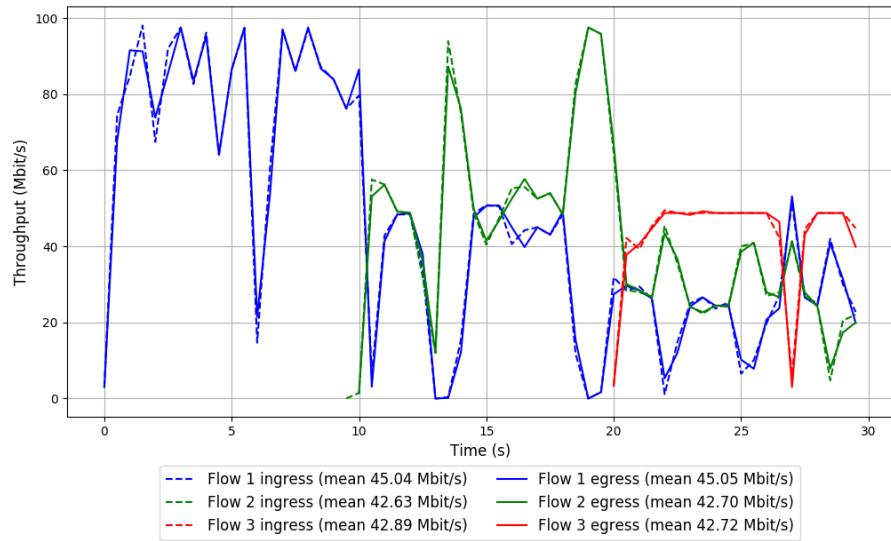


Run 3: Statistics of Verus

```
Start at: 2017-09-18 07:26:35
End at: 2017-09-18 07:27:05
Local clock offset: 1.858 ms
Remote clock offset: 0.085 ms

# Below is generated by plot.py at 2017-09-18 11:45:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 67.526 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 67.328 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 68.632 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 42.72 Mbit/s
95th percentile per-packet one-way delay: 49.113 ms
Loss rate: 1.14%
```

Run 3: Report of Verus — Data Link

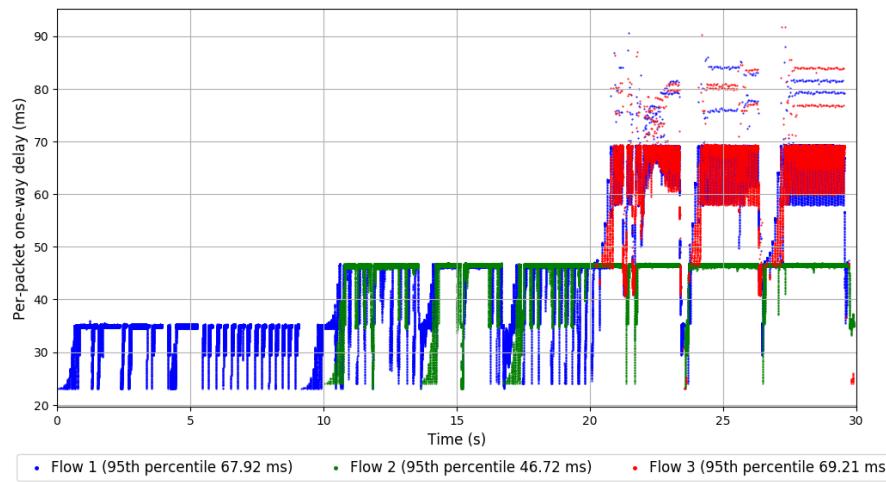
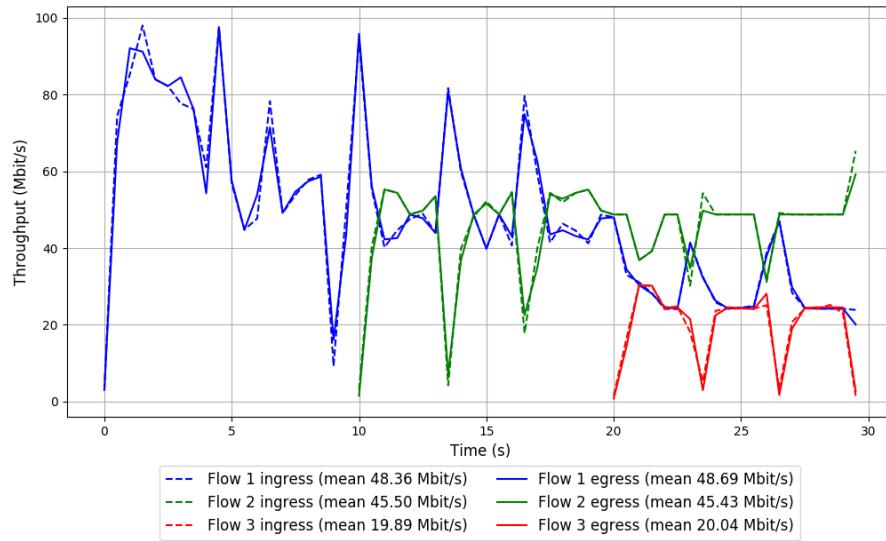


Run 4: Statistics of Verus

```
Start at: 2017-09-18 07:40:25
End at: 2017-09-18 07:40:55
Local clock offset: 1.652 ms
Remote clock offset: 0.618 ms

# Below is generated by plot.py at 2017-09-18 11:45:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 68.452 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 67.919 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 45.43 Mbit/s
95th percentile per-packet one-way delay: 46.716 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 69.211 ms
Loss rate: 0.19%
```

Run 4: Report of Verus — Data Link

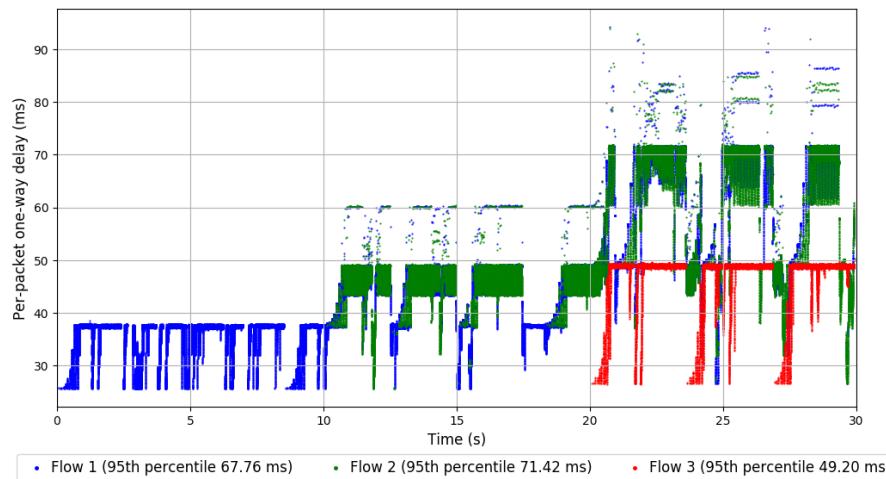
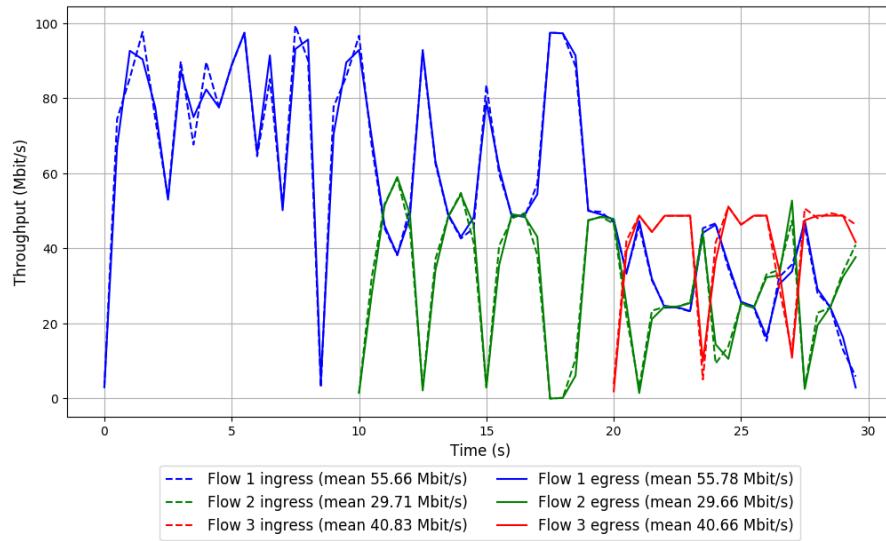


Run 5: Statistics of Verus

```
Start at: 2017-09-18 07:54:19
End at: 2017-09-18 07:54:49
Local clock offset: 1.508 ms
Remote clock offset: -1.392 ms

# Below is generated by plot.py at 2017-09-18 11:45:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 69.080 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 67.760 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 71.423 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 49.199 ms
Loss rate: 1.17%
```

Run 5: Report of Verus — Data Link

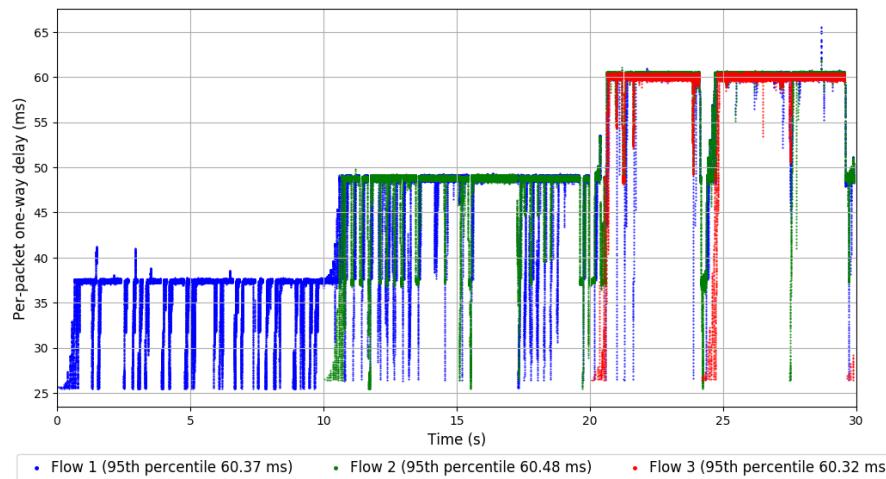
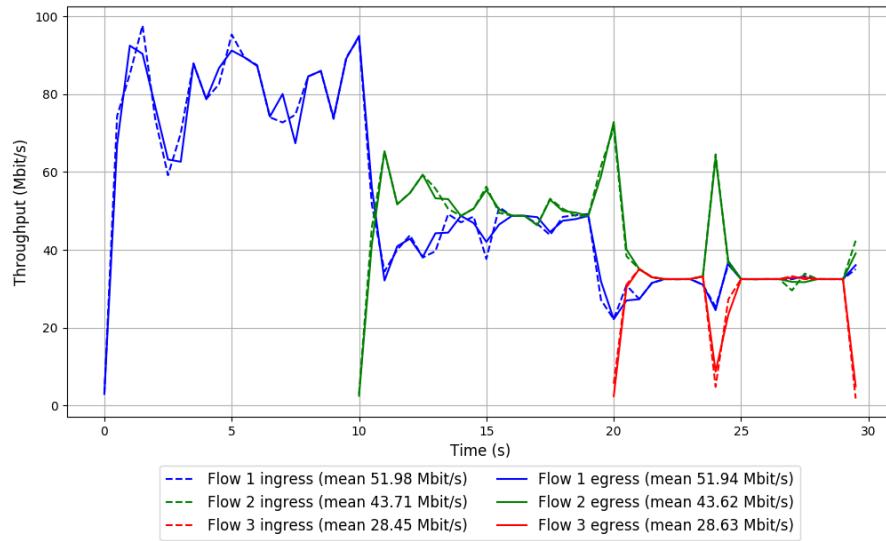


Run 6: Statistics of Verus

```
Start at: 2017-09-18 08:08:10
End at: 2017-09-18 08:08:40
Local clock offset: 1.282 ms
Remote clock offset: -0.782 ms

# Below is generated by plot.py at 2017-09-18 11:45:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 60.419 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 51.94 Mbit/s
95th percentile per-packet one-way delay: 60.371 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 60.485 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 60.324 ms
Loss rate: 0.13%
```

Run 6: Report of Verus — Data Link

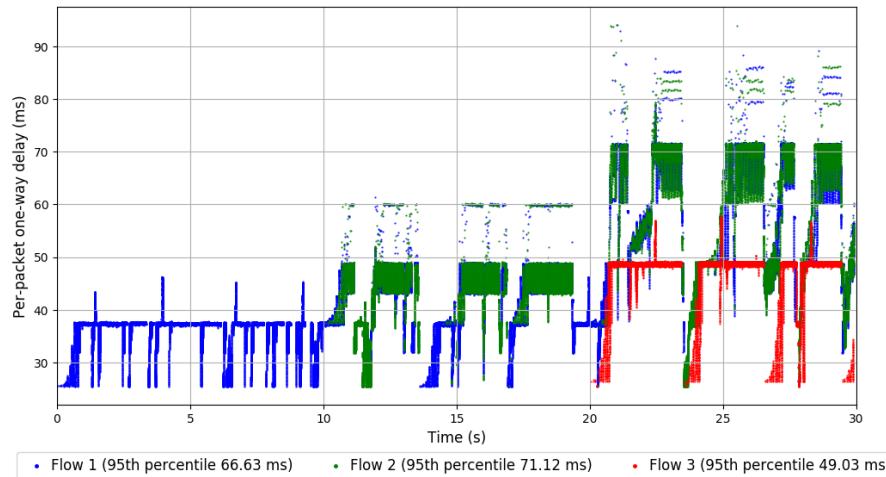
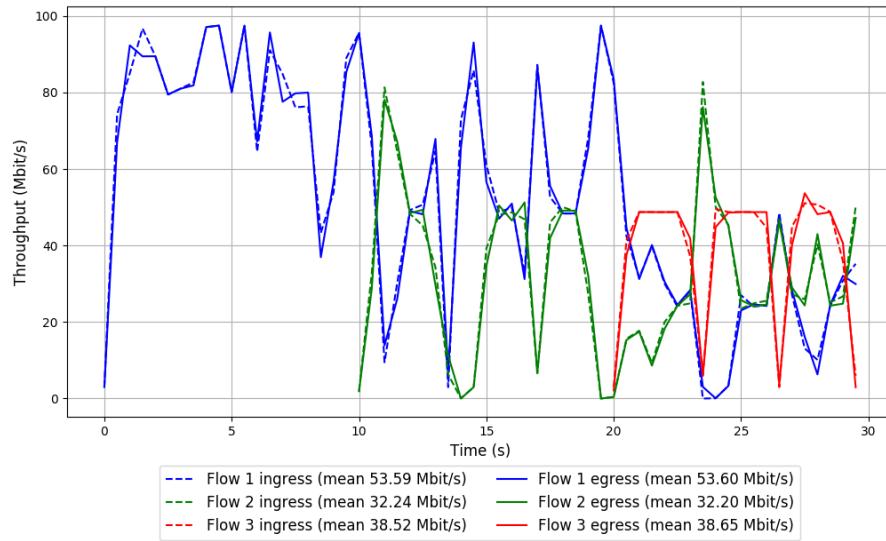


Run 7: Statistics of Verus

```
Start at: 2017-09-18 08:22:10
End at: 2017-09-18 08:22:40
Local clock offset: 1.238 ms
Remote clock offset: -0.49 ms

# Below is generated by plot.py at 2017-09-18 11:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 68.345 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 66.626 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 71.119 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 38.65 Mbit/s
95th percentile per-packet one-way delay: 49.031 ms
Loss rate: 0.42%
```

Run 7: Report of Verus — Data Link

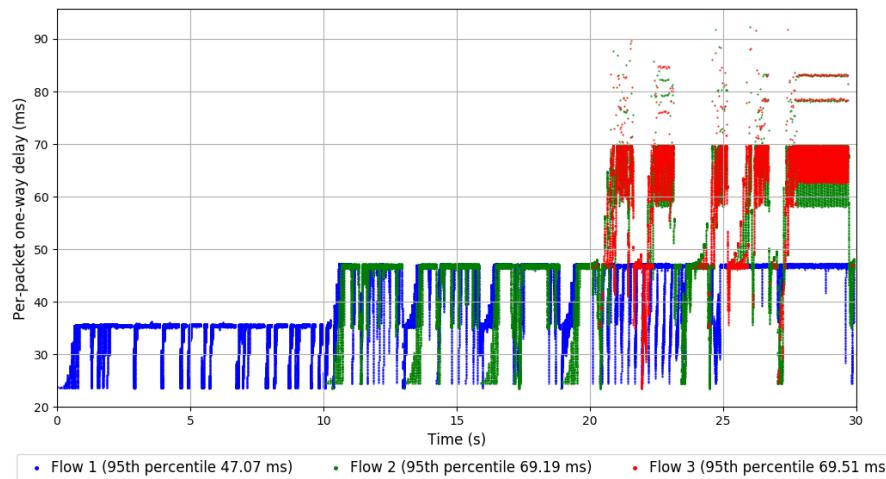
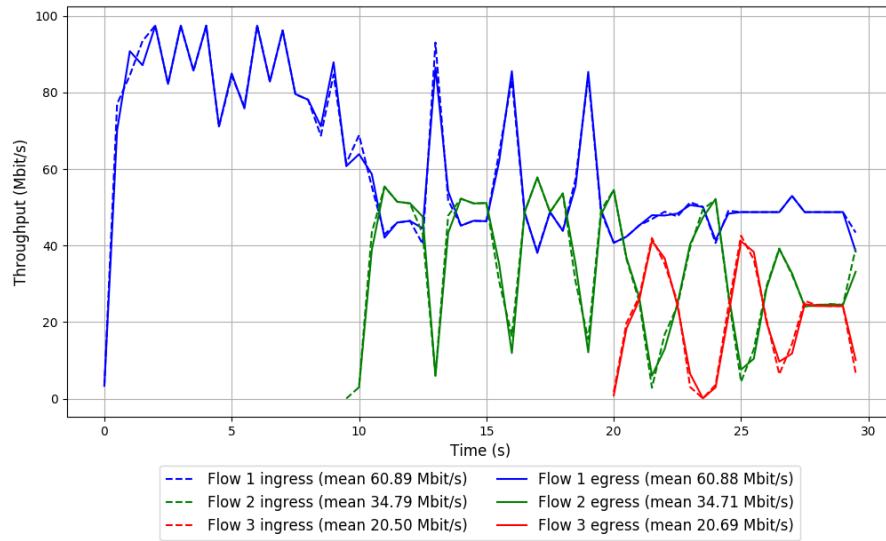


Run 8: Statistics of Verus

```
Start at: 2017-09-18 08:36:04
End at: 2017-09-18 08:36:34
Local clock offset: 1.126 ms
Remote clock offset: 1.568 ms

# Below is generated by plot.py at 2017-09-18 11:45:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.77 Mbit/s
95th percentile per-packet one-way delay: 66.584 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 47.069 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 69.188 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 69.512 ms
Loss rate: 0.05%
```

Run 8: Report of Verus — Data Link

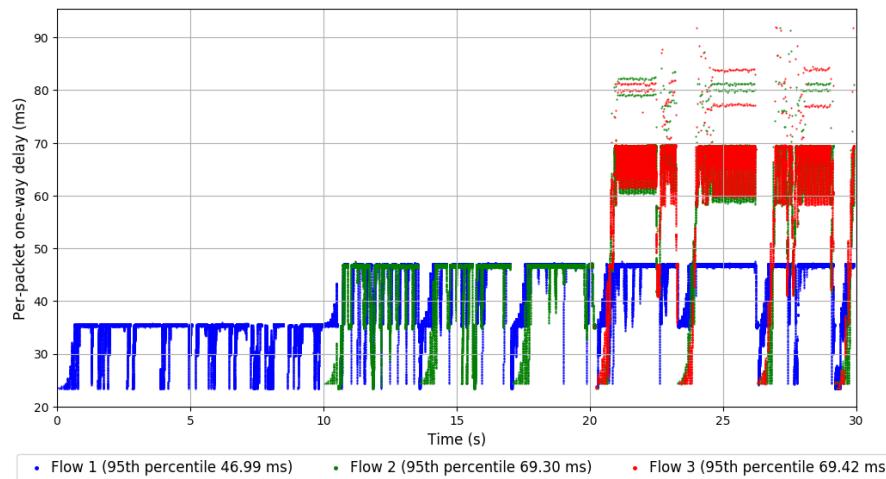
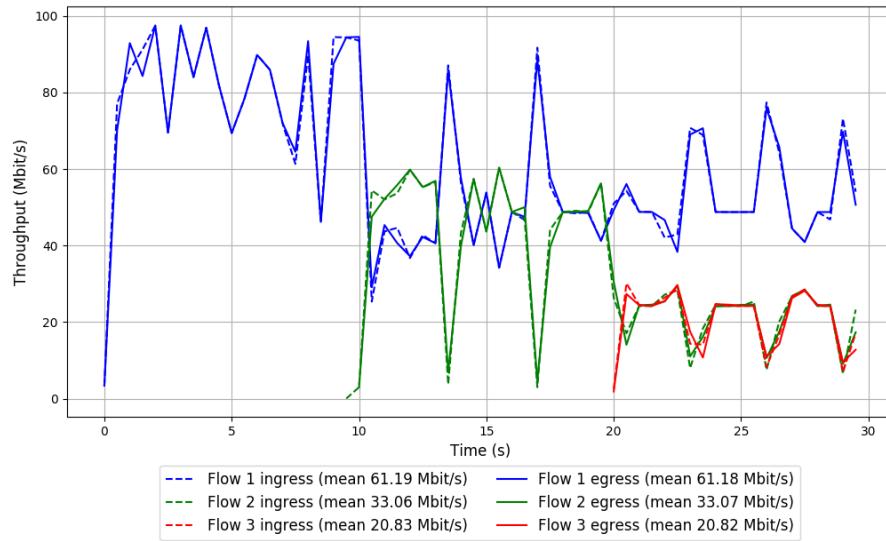


Run 9: Statistics of Verus

```
Start at: 2017-09-18 08:49:56
End at: 2017-09-18 08:50:26
Local clock offset: 0.947 ms
Remote clock offset: 1.584 ms

# Below is generated by plot.py at 2017-09-18 11:45:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.04 Mbit/s
95th percentile per-packet one-way delay: 68.343 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 46.990 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 69.301 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 69.420 ms
Loss rate: 1.23%
```

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

```
Start at: 2017-09-18 09:03:48
End at: 2017-09-18 09:04:18
Local clock offset: 0.832 ms
Remote clock offset: -0.446 ms

# Below is generated by plot.py at 2017-09-18 11:45:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 58.936 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 57.135 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 58.620 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 59.828 ms
Loss rate: 0.29%
```

Run 10: Report of Verus — Data Link

