

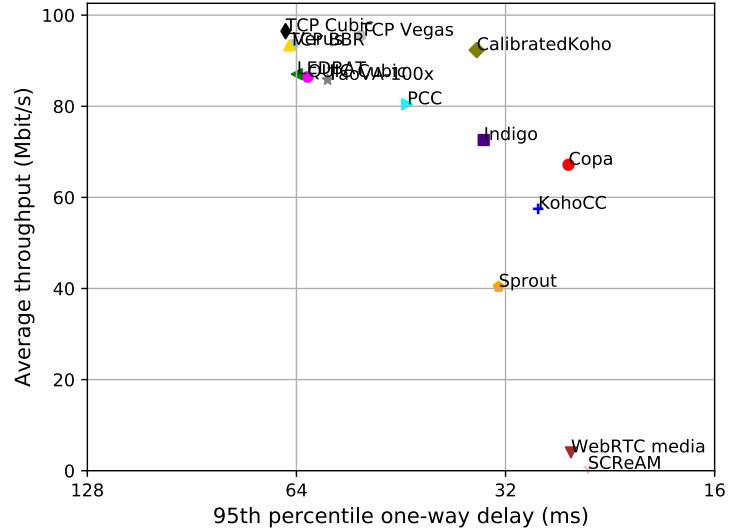
Pantheon Report

Generated at 2017-09-08 04:44:38 (UTC).
Data path: India Ethernet (*remote*) → AWS India 1 Ethernet (*local*).
Repeated the test of 15 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 nets.org.sg and have been applied to correct the timestamps in logs.

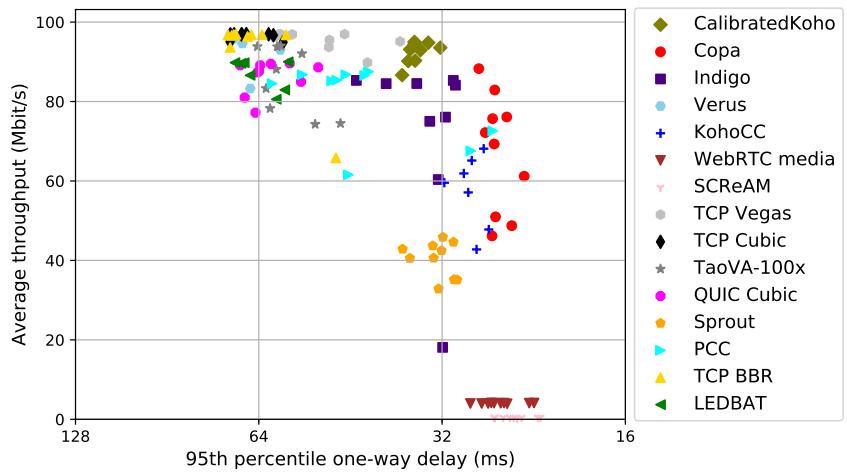
Git summary:

```
branch: master @ 2a98508c2457474d84cd2966a42b80b0bc62ecaf
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ 10192113fb6902d25c86e0e3e4c85d7a05e43d7e
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
```

test from India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



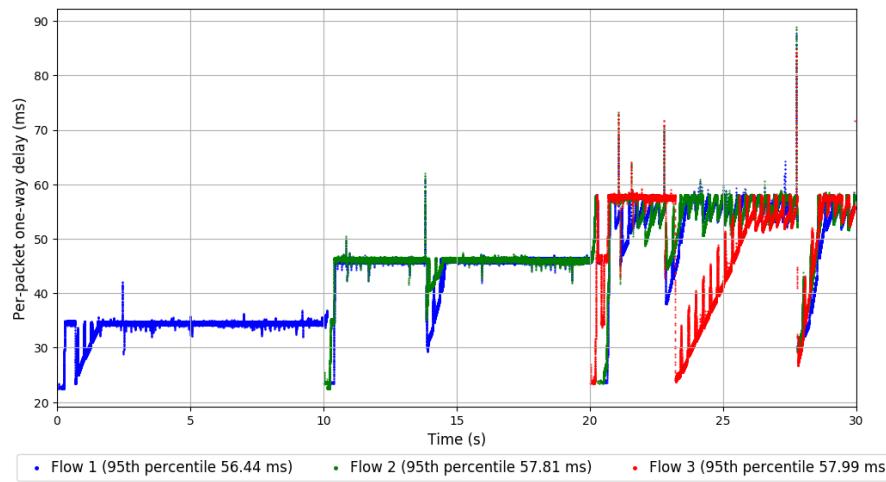
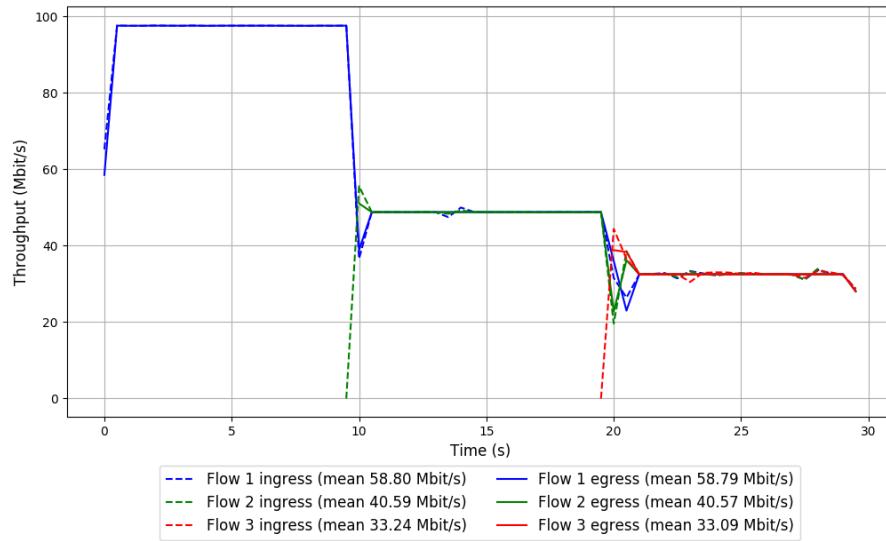
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	53.75	44.80	32.00	241.23	58.42	63.18	0.12	0.27	0.67
CalibratedKoho	9	62.44	28.24	33.35	34.93	36.27	35.13	0.07	0.17	0.44
Copa	10	38.18	30.74	33.44	25.95	26.77	26.22	0.10	0.11	0.46
TCP Cubic	9	59.25	39.33	33.22	63.12	62.93	58.61	0.15	0.27	0.93
Indigo	9	37.98	37.19	30.59	32.82	33.44	34.00	0.08	0.13	0.36
KohoCC	7	34.12	22.49	25.24	27.71	29.56	30.93	0.11	0.18	0.37
LEDBAT	7	53.62	36.17	28.03	63.30	58.66	58.75	0.12	0.32	0.85
PCC	10	53.20	30.38	21.32	41.94	43.55	38.72	0.11	0.21	0.38
QUIC Cubic	10	51.07	38.91	29.22	59.91	57.61	57.89	0.16	0.21	0.72
SCReAM	9	37.63	0.22	0.22	536.80	24.33	24.33	0.10	0.16	0.20
Sprout	10	20.51	20.59	18.67	31.64	32.89	34.87	0.14	0.18	0.39
TaoVA-100x	9	49.64	38.27	40.67	55.06	58.41	47.89	0.11	0.24	0.61
TCP Vegas	10	65.06	34.48	23.75	49.16	47.72	46.18	0.10	0.26	0.63
Verus	7	55.97	37.20	32.41	58.47	65.38	59.21	0.13	0.26	0.74
WebRTC media	10	2.24	1.36	0.45	25.60	25.90	26.13	0.11	0.18	0.20

Run 1: Statistics of TCP BBR

```
Start at: 2017-09-07 22:04:27
End at: 2017-09-07 22:04:57
Local clock offset: -1.123 ms
Remote clock offset: -3.077 ms

# Below is generated by plot.py at 2017-09-08 04:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 57.712 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 56.437 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 57.815 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 57.994 ms
Loss rate: 0.65%
```

Run 1: Report of TCP BBR — Data Link

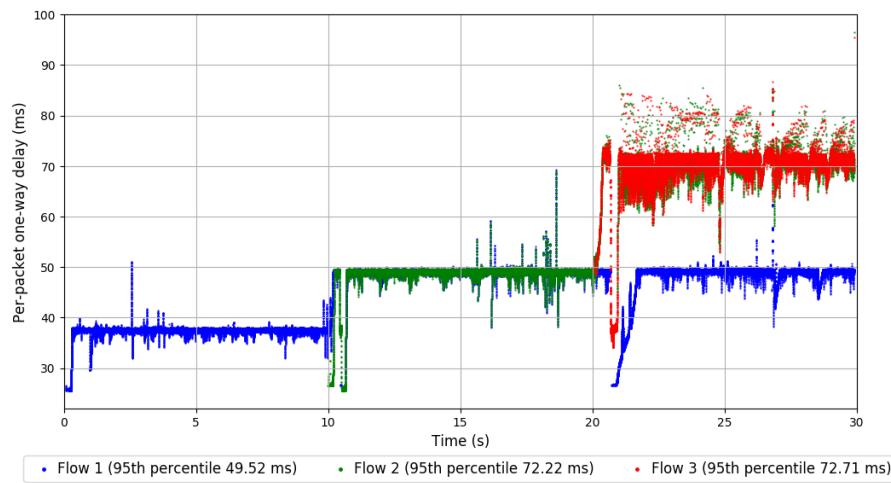
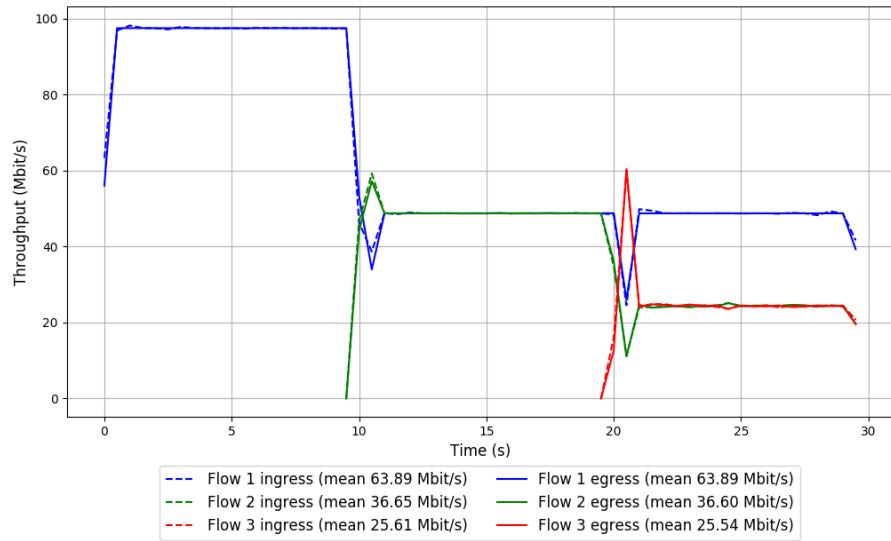


Run 2: Statistics of TCP BBR

```
Start at: 2017-09-07 22:22:44
End at: 2017-09-07 22:23:14
Local clock offset: 0.232 ms
Remote clock offset: -3.85 ms

# Below is generated by plot.py at 2017-09-08 04:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 71.913 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 63.89 Mbit/s
95th percentile per-packet one-way delay: 49.524 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 72.216 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 72.710 ms
Loss rate: 0.87%
```

Run 2: Report of TCP BBR — Data Link

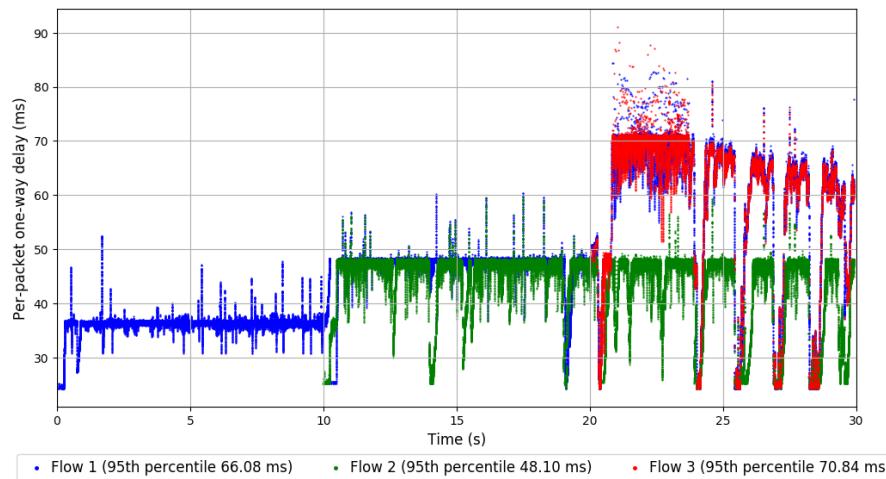
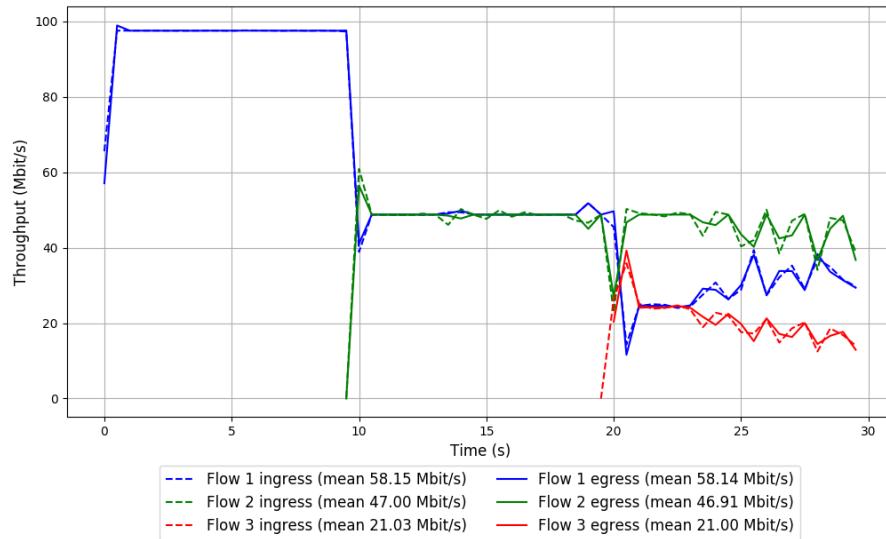


Run 3: Statistics of TCP BBR

```
Start at: 2017-09-07 22:41:04
End at: 2017-09-07 22:41:34
Local clock offset: -0.585 ms
Remote clock offset: -3.101 ms

# Below is generated by plot.py at 2017-09-08 04:31:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 66.781 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 66.085 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 48.096 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 70.836 ms
Loss rate: 0.69%
```

Run 3: Report of TCP BBR — Data Link

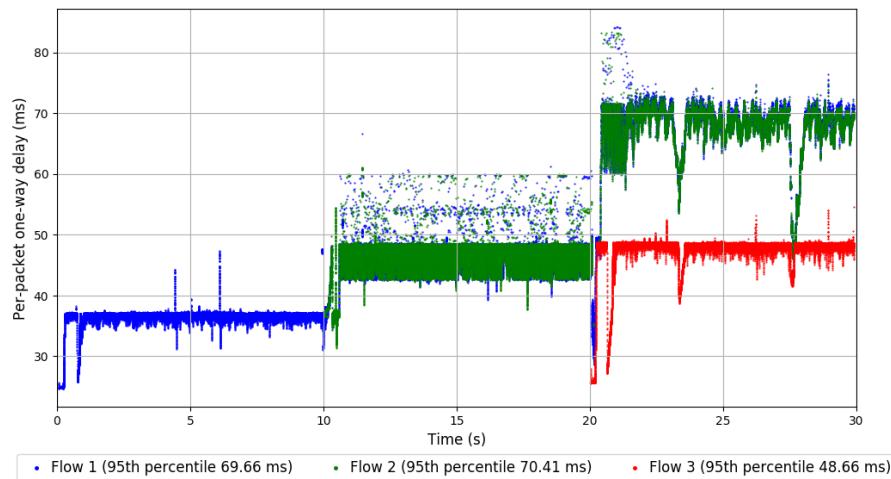
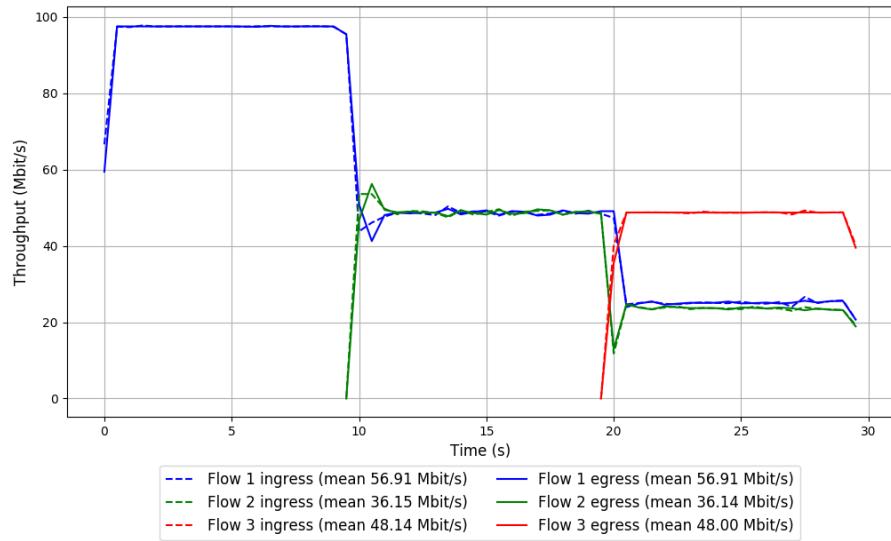


Run 4: Statistics of TCP BBR

```
Start at: 2017-09-07 22:59:04
End at: 2017-09-07 22:59:34
Local clock offset: -1.348 ms
Remote clock offset: -4.028 ms

# Below is generated by plot.py at 2017-09-08 04:31:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 69.775 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 69.655 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 70.407 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 48.00 Mbit/s
95th percentile per-packet one-way delay: 48.657 ms
Loss rate: 0.57%
```

Run 4: Report of TCP BBR — Data Link

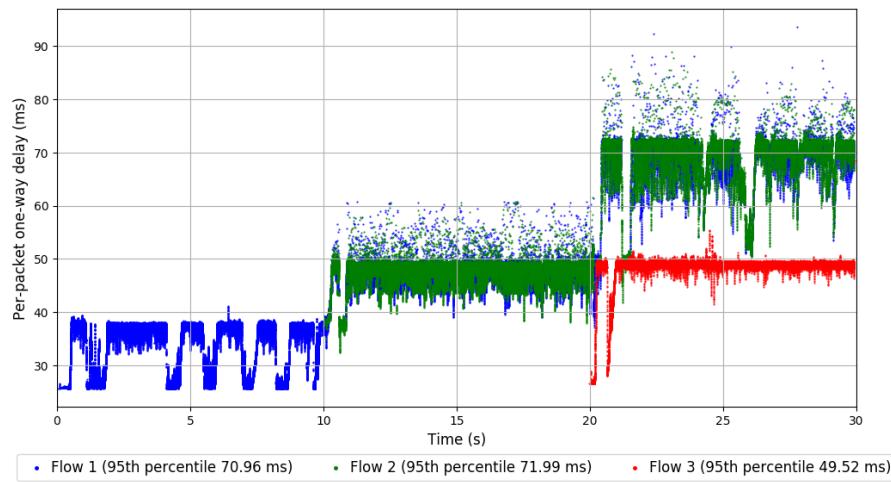
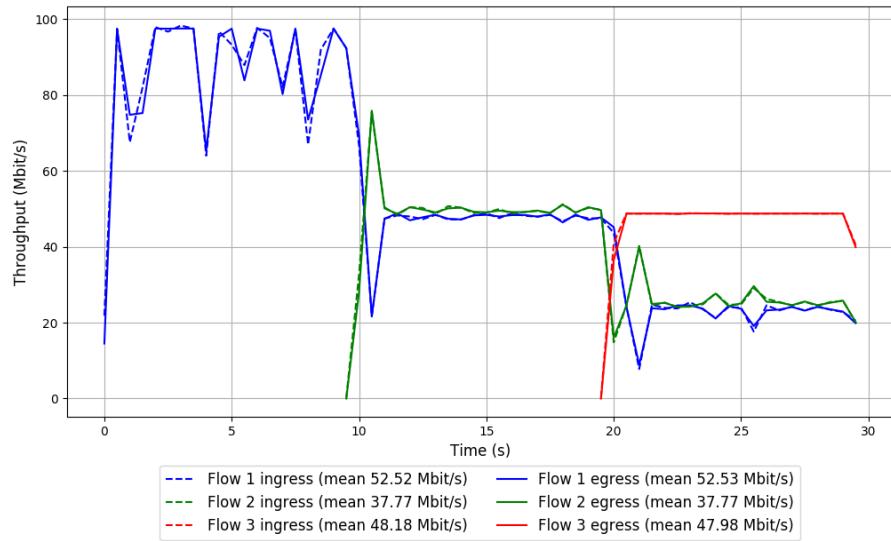


Run 5: Statistics of TCP BBR

```
Start at: 2017-09-07 23:17:00
End at: 2017-09-07 23:17:30
Local clock offset: -0.135 ms
Remote clock offset: -3.414 ms

# Below is generated by plot.py at 2017-09-08 04:31:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 71.305 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 52.53 Mbit/s
95th percentile per-packet one-way delay: 70.962 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 71.989 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 47.98 Mbit/s
95th percentile per-packet one-way delay: 49.519 ms
Loss rate: 0.56%
```

Run 5: Report of TCP BBR — Data Link

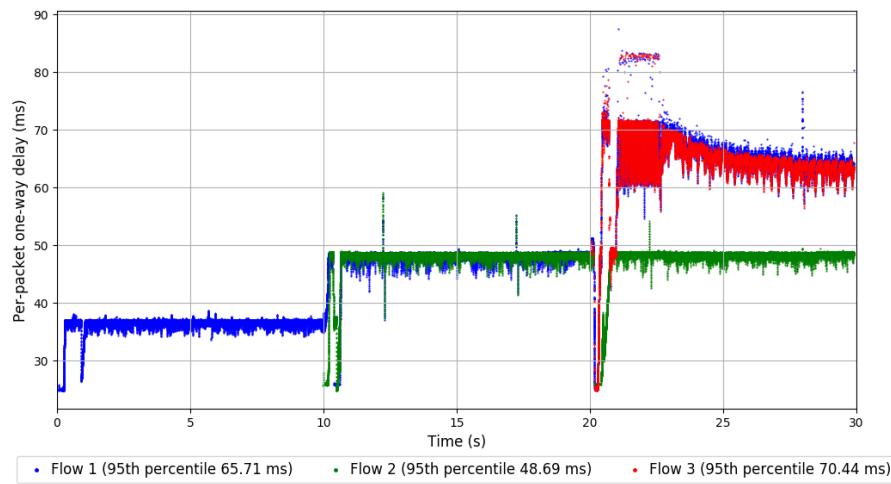
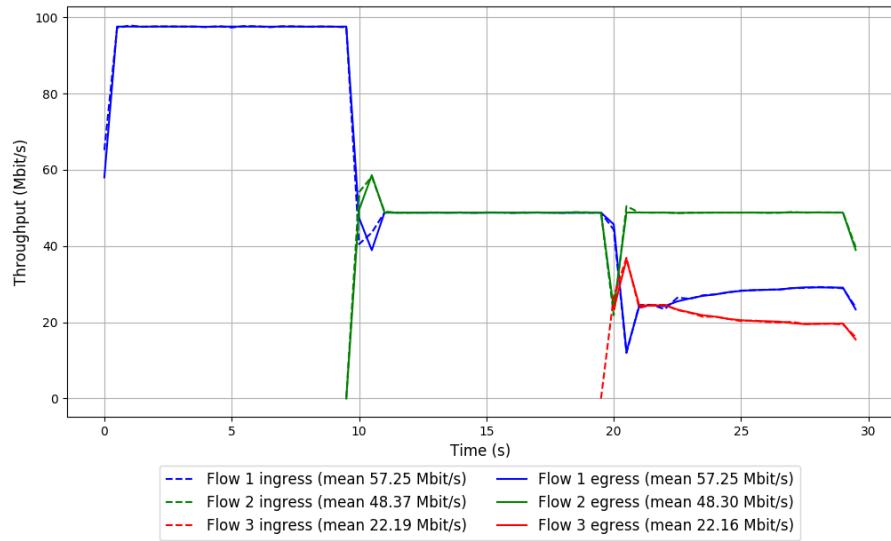


Run 6: Statistics of TCP BBR

```
Start at: 2017-09-07 23:35:17
End at: 2017-09-07 23:35:47
Local clock offset: -1.31 ms
Remote clock offset: -3.755 ms

# Below is generated by plot.py at 2017-09-08 04:31:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 65.819 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 65.713 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 48.694 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 70.443 ms
Loss rate: 0.66%
```

Run 6: Report of TCP BBR — Data Link

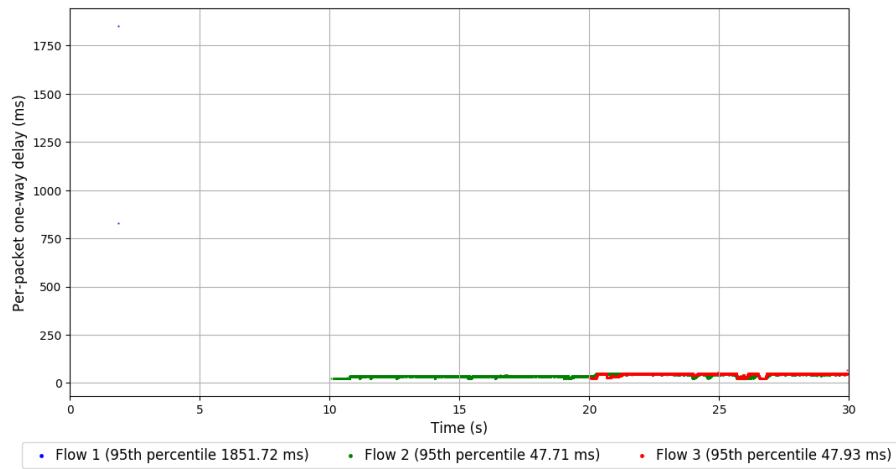
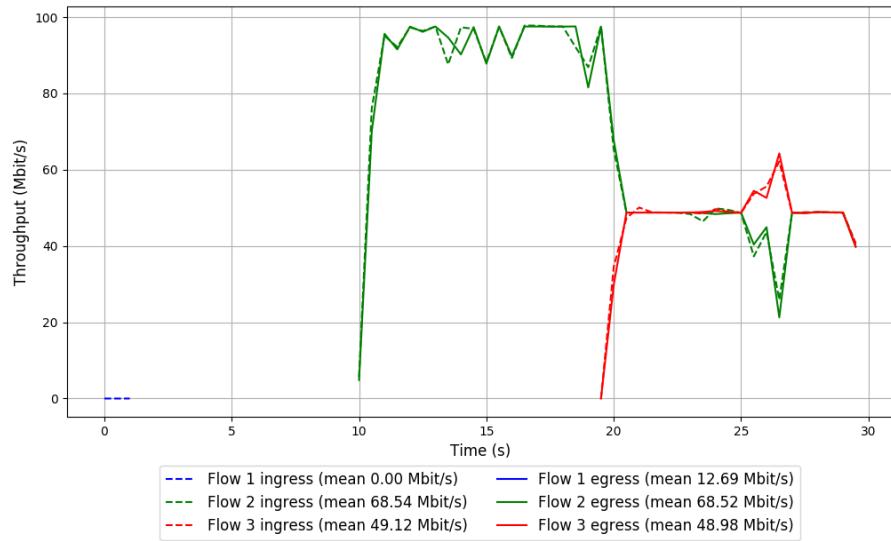


Run 7: Statistics of TCP BBR

```
Start at: 2017-09-07 23:53:27
End at: 2017-09-07 23:53:57
Local clock offset: -0.842 ms
Remote clock offset: -2.253 ms

# Below is generated by plot.py at 2017-09-08 04:31:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.81 Mbit/s
95th percentile per-packet one-way delay: 47.817 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 1851.724 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.52 Mbit/s
95th percentile per-packet one-way delay: 47.712 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 47.933 ms
Loss rate: 0.56%
```

Run 7: Report of TCP BBR — Data Link

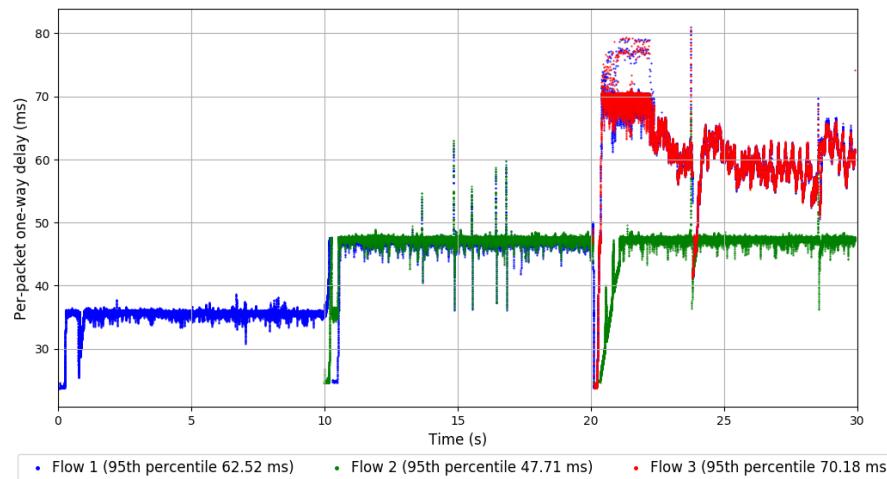
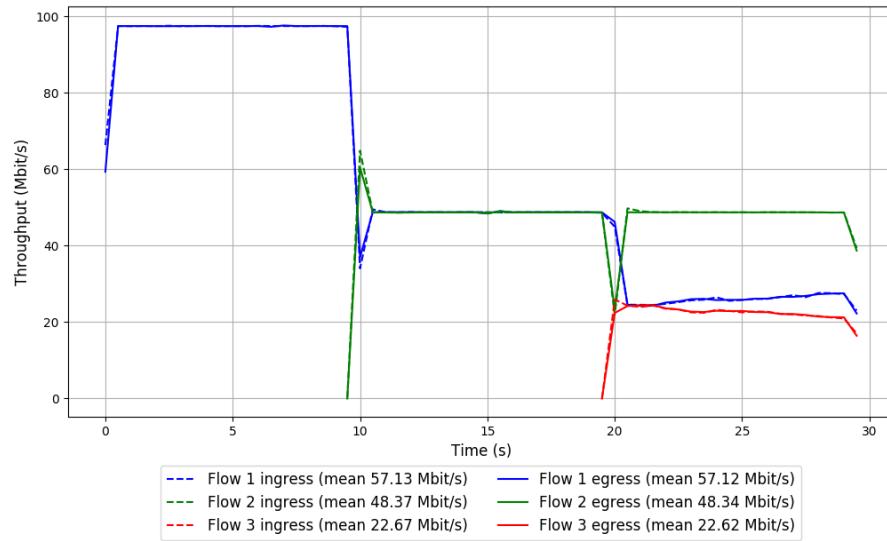


Run 8: Statistics of TCP BBR

```
Start at: 2017-09-08 00:12:17
End at: 2017-09-08 00:12:47
Local clock offset: -2.837 ms
Remote clock offset: -3.899 ms

# Below is generated by plot.py at 2017-09-08 04:31:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 63.208 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 62.525 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 47.707 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 22.62 Mbit/s
95th percentile per-packet one-way delay: 70.176 ms
Loss rate: 0.64%
```

Run 8: Report of TCP BBR — Data Link

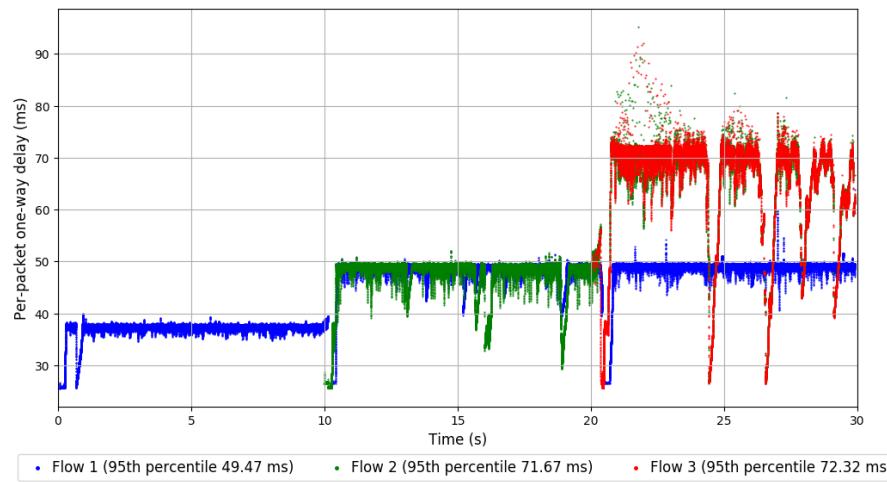
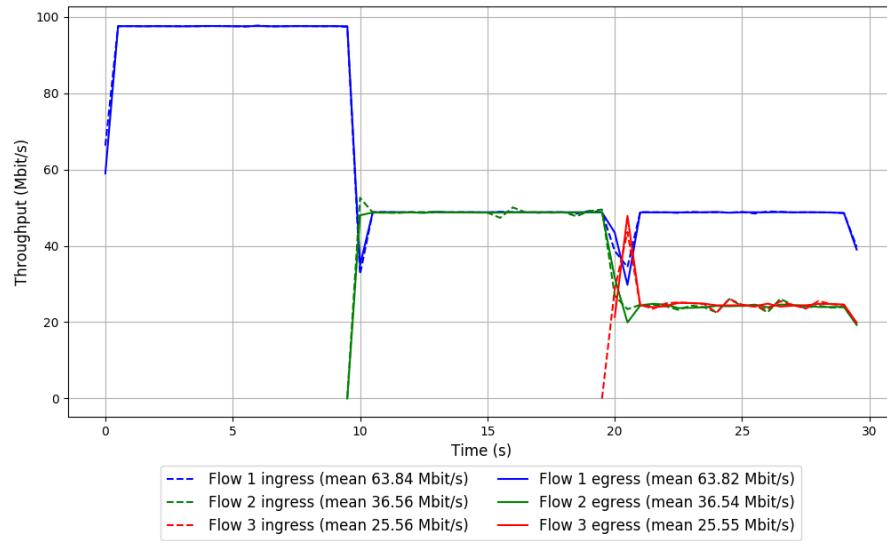


Run 9: Statistics of TCP BBR

```
Start at: 2017-09-08 00:31:17
End at: 2017-09-08 00:31:47
Local clock offset: -1.162 ms
Remote clock offset: -4.086 ms

# Below is generated by plot.py at 2017-09-08 04:32:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 70.887 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.82 Mbit/s
95th percentile per-packet one-way delay: 49.472 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 71.672 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 25.55 Mbit/s
95th percentile per-packet one-way delay: 72.316 ms
Loss rate: 0.62%
```

Run 9: Report of TCP BBR — Data Link

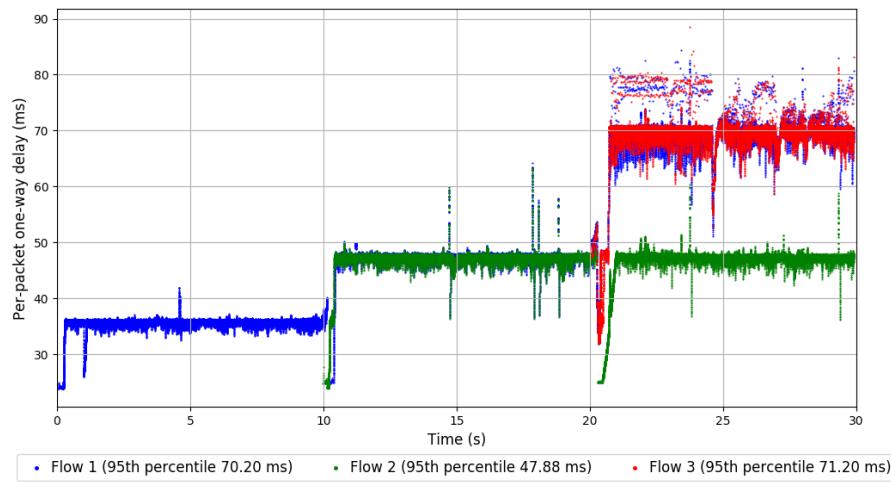
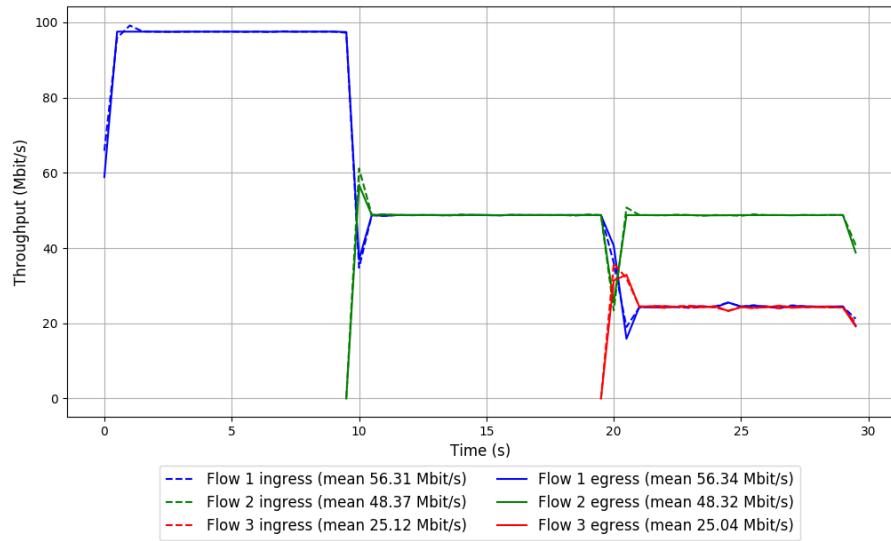


Run 10: Statistics of TCP BBR

```
Start at: 2017-09-08 00:50:26
End at: 2017-09-08 00:50:56
Local clock offset: -3.705 ms
Remote clock offset: -4.963 ms

# Below is generated by plot.py at 2017-09-08 04:32:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 70.370 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 70.198 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 47.875 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 71.202 ms
Loss rate: 0.89%
```

Run 10: Report of TCP BBR — Data Link

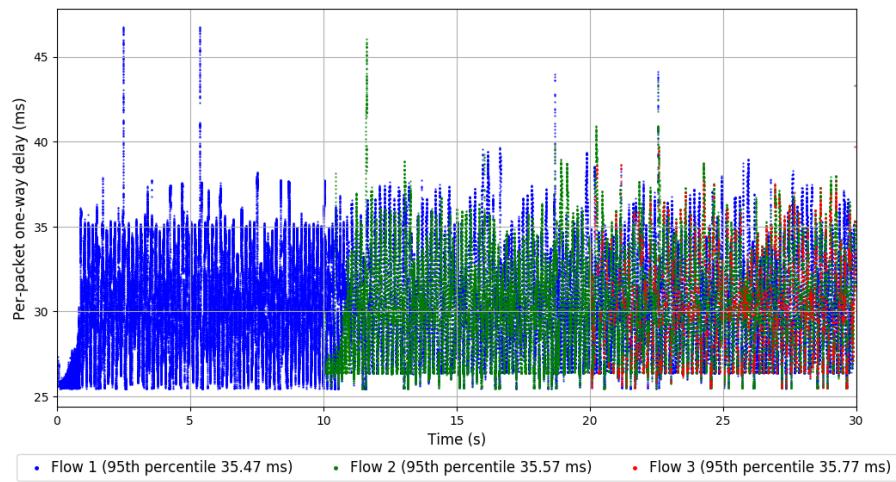
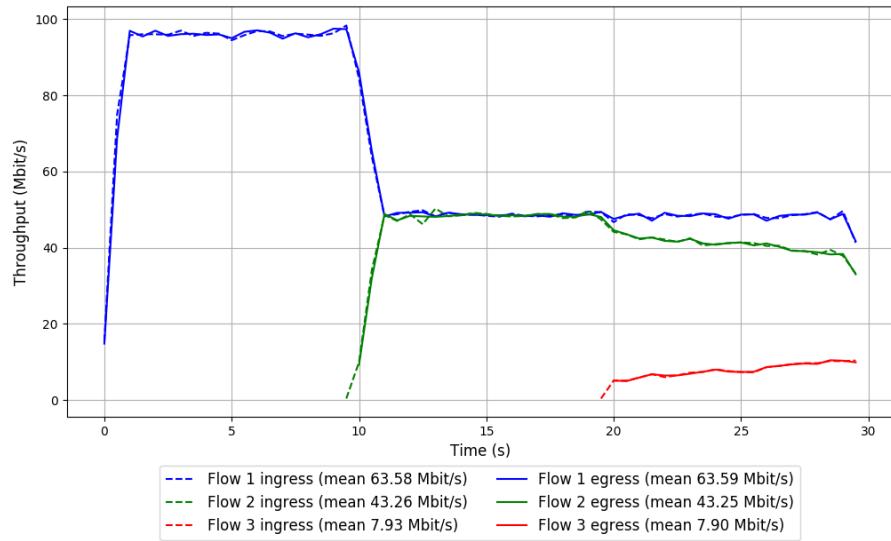


```
Run 1: Statistics of CalibratedKoho

Start at: 2017-09-07 22:03:11
End at: 2017-09-07 22:03:41
Local clock offset: -0.542 ms
Remote clock offset: -5.535 ms

# Below is generated by plot.py at 2017-09-08 04:32:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 35.520 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 63.59 Mbit/s
95th percentile per-packet one-way delay: 35.468 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 35.571 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 35.766 ms
Loss rate: 0.61%
```

Run 1: Report of CalibratedKoho — Data Link

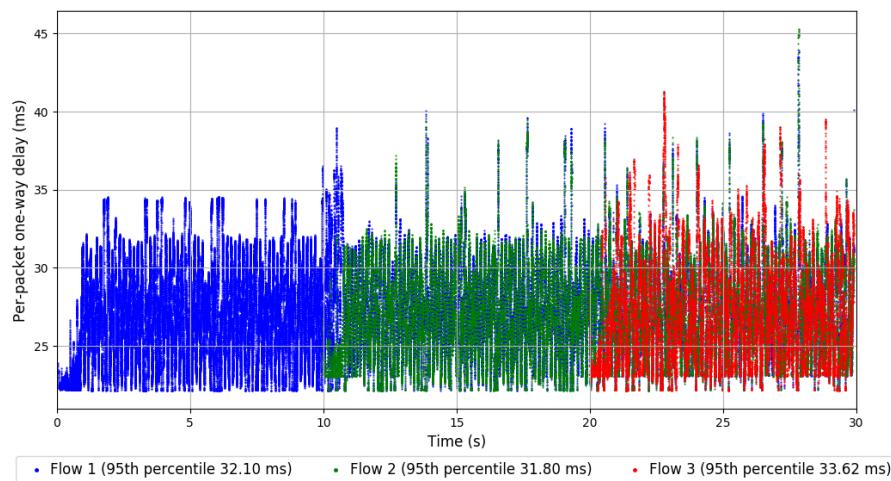
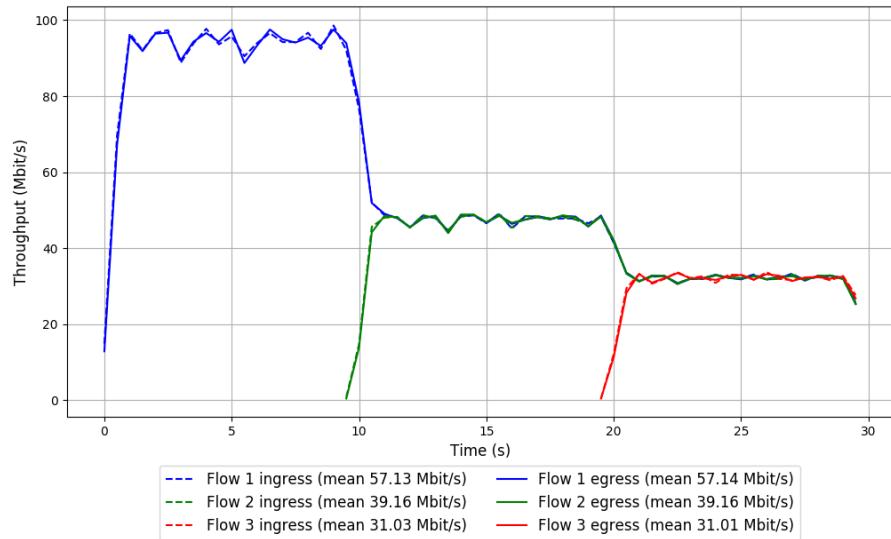


Run 2: Statistics of CalibratedKoho

```
Start at: 2017-09-07 22:21:28
End at: 2017-09-07 22:21:58
Local clock offset: -2.245 ms
Remote clock offset: -2.947 ms

# Below is generated by plot.py at 2017-09-08 04:32:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 32.217 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 32.098 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 31.797 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 33.622 ms
Loss rate: 0.40%
```

Run 2: Report of CalibratedKoho — Data Link

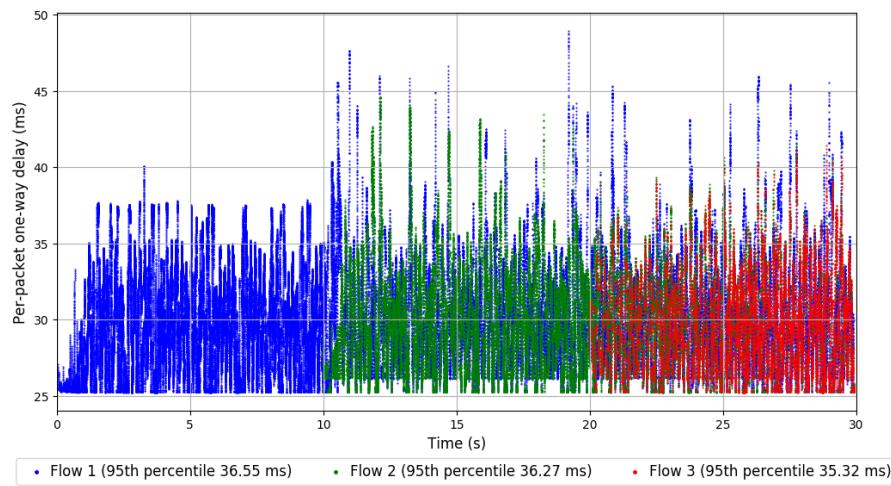
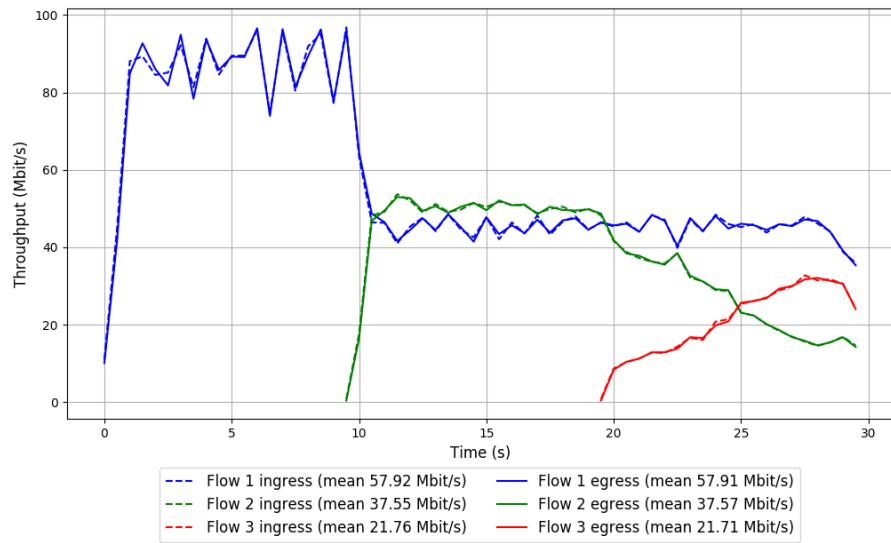


Run 3: Statistics of CalibratedKoho

```
Start at: 2017-09-07 22:39:48
End at: 2017-09-07 22:40:18
Local clock offset: -0.564 ms
Remote clock offset: -3.999 ms

# Below is generated by plot.py at 2017-09-08 04:32:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: 36.367 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 36.546 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 36.270 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: 35.320 ms
Loss rate: 0.53%
```

Run 3: Report of CalibratedKoho — Data Link

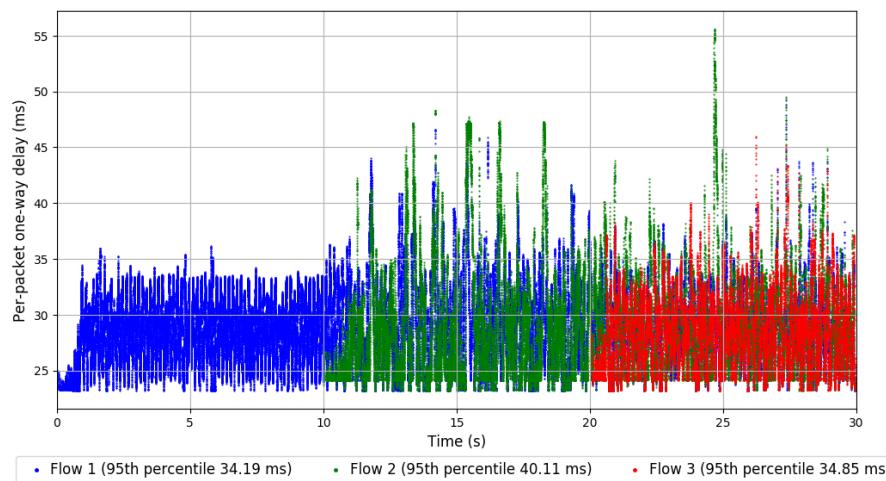
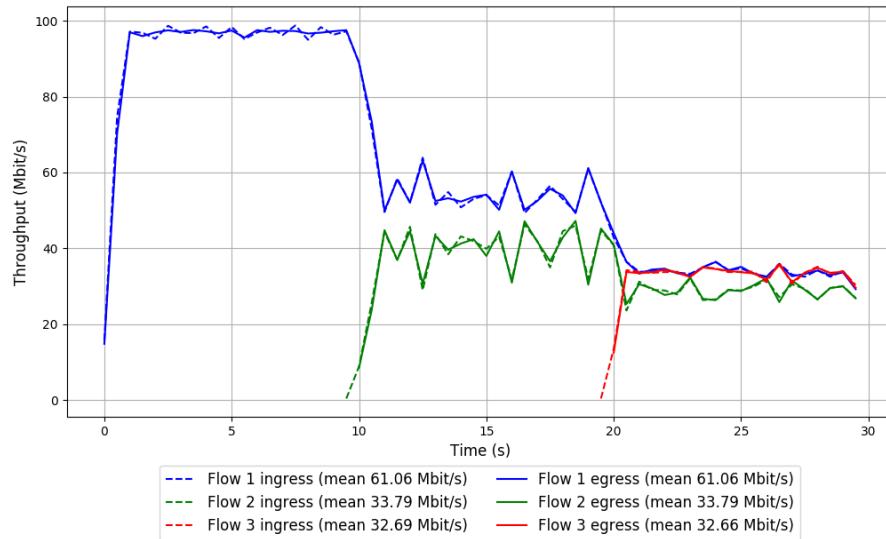


```
Run 4: Statistics of CalibratedKoho
```

```
Start at: 2017-09-07 22:57:44
End at: 2017-09-07 22:58:14
Local clock offset: -2.041 ms
Remote clock offset: -3.221 ms

# Below is generated by plot.py at 2017-09-08 04:32:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 35.531 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 34.191 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.79 Mbit/s
95th percentile per-packet one-way delay: 40.111 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 34.852 ms
Loss rate: 0.40%
```

Run 4: Report of CalibratedKoho — Data Link

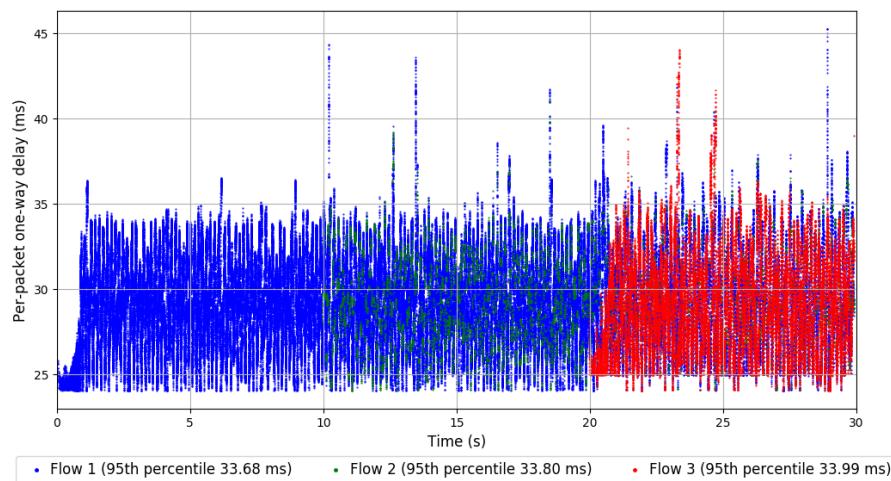
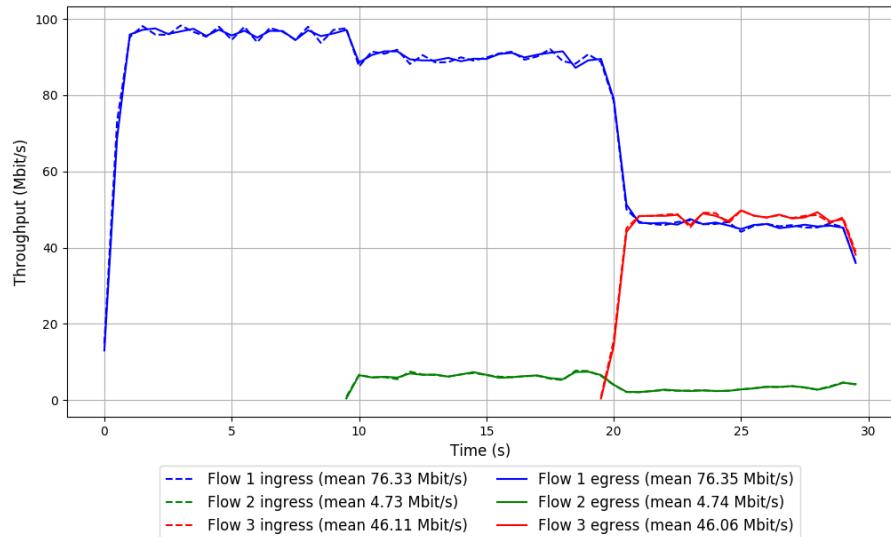


Run 5: Statistics of CalibratedKoho

```
Start at: 2017-09-07 23:15:46
End at: 2017-09-07 23:16:16
Local clock offset: -1.554 ms
Remote clock offset: -3.306 ms

# Below is generated by plot.py at 2017-09-08 04:32:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 33.720 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 76.35 Mbit/s
95th percentile per-packet one-way delay: 33.677 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 33.797 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 33.987 ms
Loss rate: 0.37%
```

Run 5: Report of CalibratedKoho — Data Link

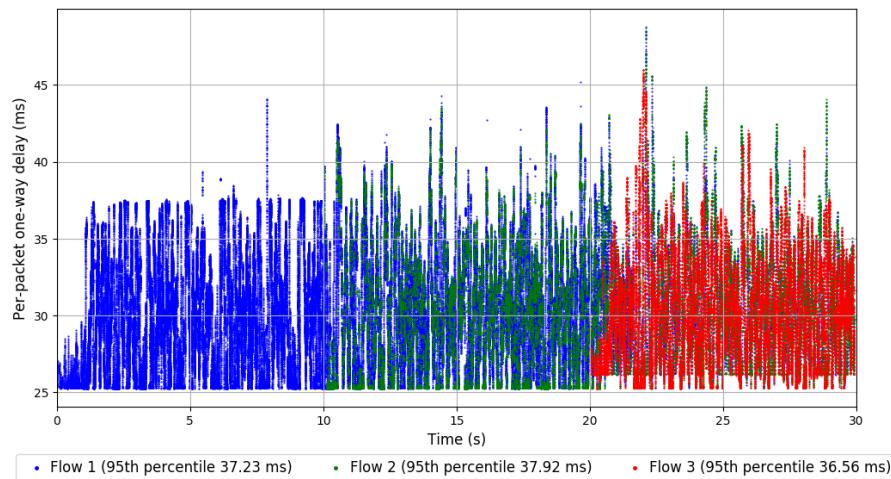
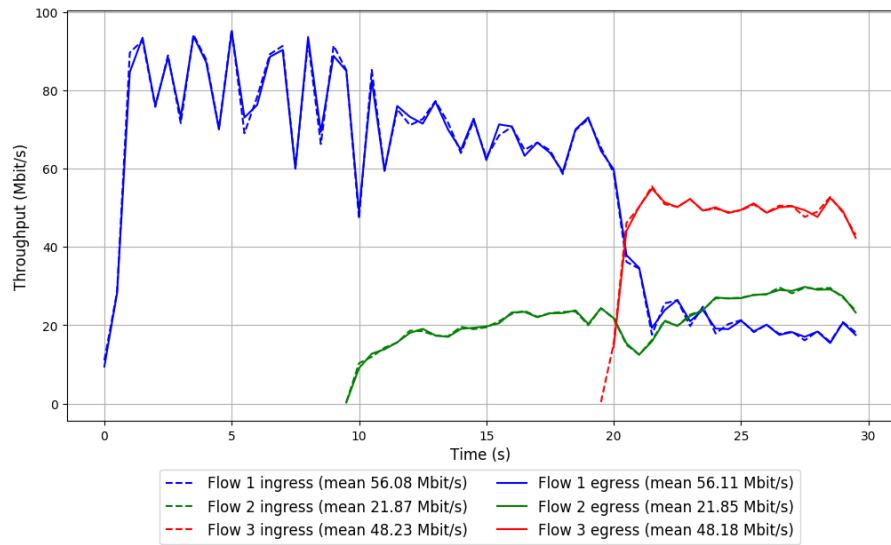


Run 6: Statistics of CalibratedKoho

```
Start at: 2017-09-07 23:34:02
End at: 2017-09-07 23:34:32
Local clock offset: -0.544 ms
Remote clock offset: -3.54 ms

# Below is generated by plot.py at 2017-09-08 04:32:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 37.223 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 37.230 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 21.85 Mbit/s
95th percentile per-packet one-way delay: 37.925 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 48.18 Mbit/s
95th percentile per-packet one-way delay: 36.559 ms
Loss rate: 0.38%
```

Run 6: Report of CalibratedKoho — Data Link

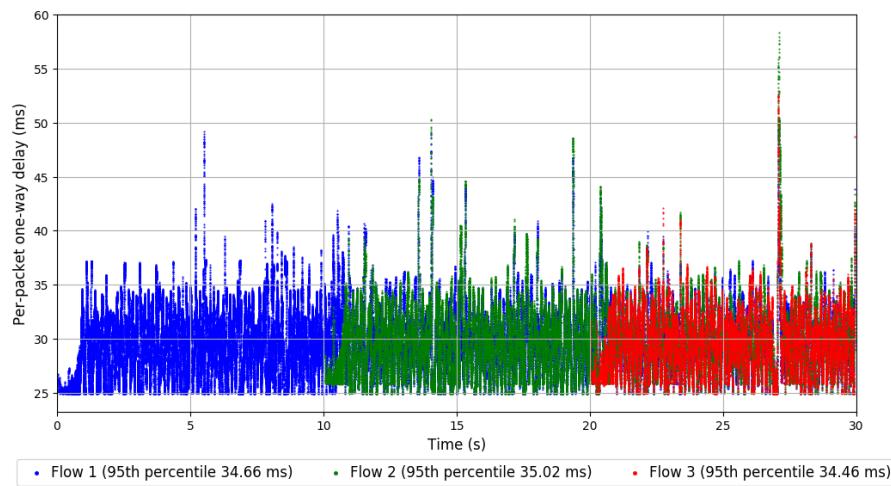
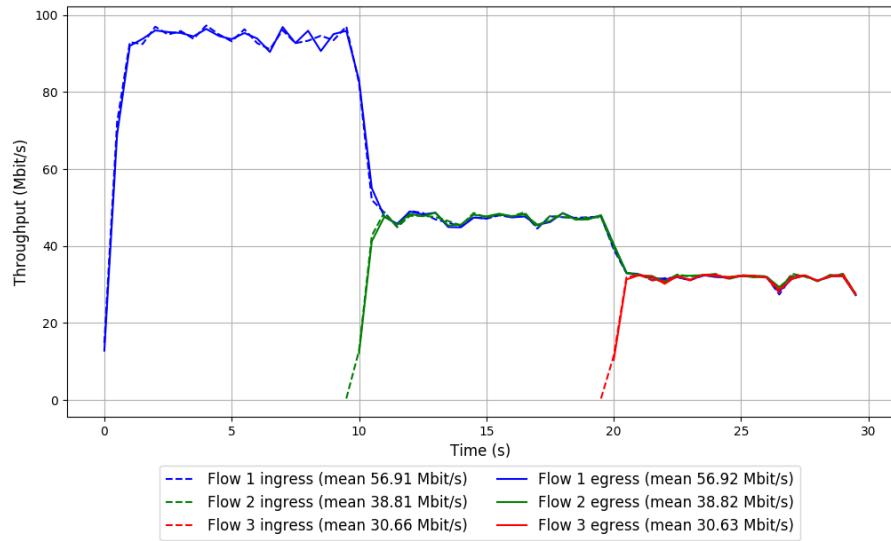


Run 7: Statistics of CalibratedKoho

```
Start at: 2017-09-07 23:52:09
End at: 2017-09-07 23:52:39
Local clock offset: -0.62 ms
Remote clock offset: -2.878 ms

# Below is generated by plot.py at 2017-09-08 04:33:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 34.735 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 34.658 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 35.023 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 34.464 ms
Loss rate: 0.38%
```

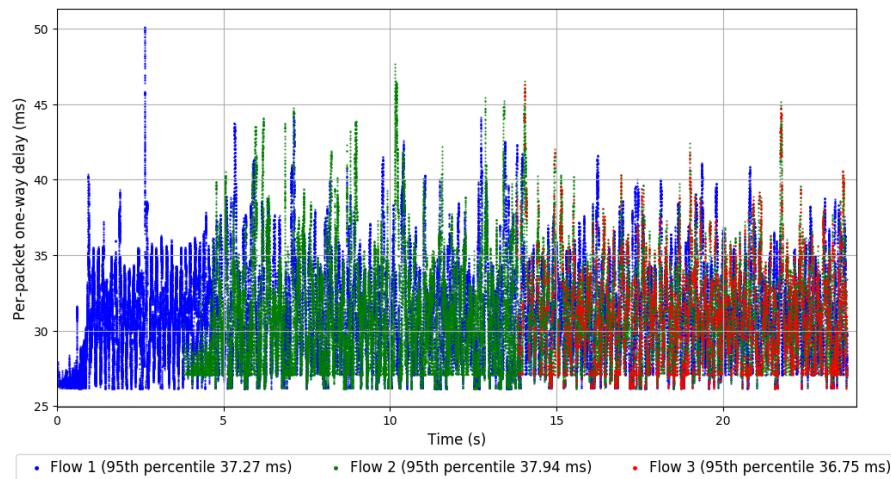
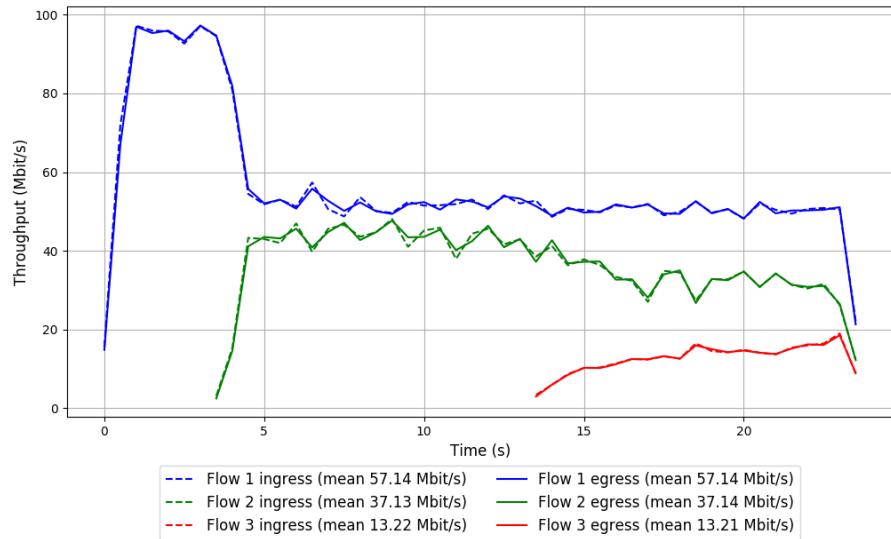
Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: 2017-09-08 00:10:59
End at: 2017-09-08 00:11:29
Local clock offset: -0.902 ms
Remote clock offset: -4.398 ms

Run 8: Report of CalibratedKoho — Data Link

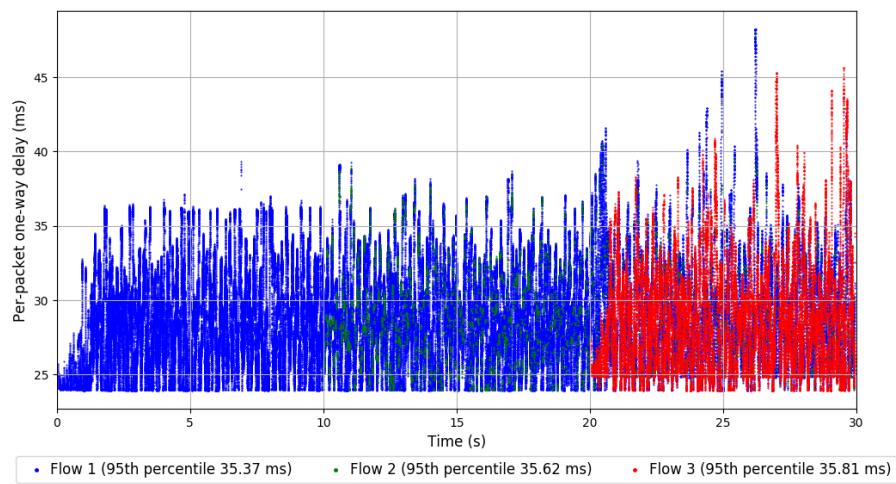
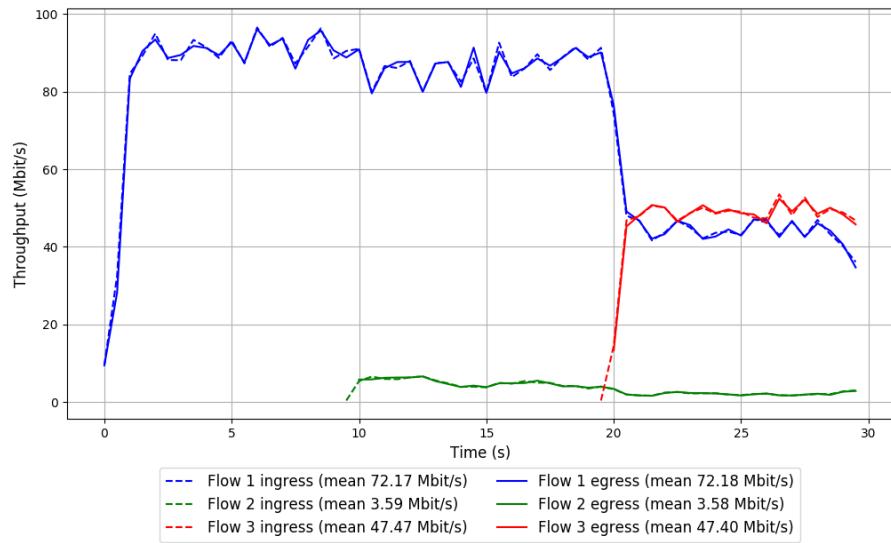


Run 9: Statistics of CalibratedKoho

```
Start at: 2017-09-08 00:29:53
End at: 2017-09-08 00:30:23
Local clock offset: -3.375 ms
Remote clock offset: -4.599 ms

# Below is generated by plot.py at 2017-09-08 04:33:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.29 Mbit/s
95th percentile per-packet one-way delay: 35.445 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 35.366 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 35.622 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 35.811 ms
Loss rate: 0.41%
```

Run 9: Report of CalibratedKoho — Data Link

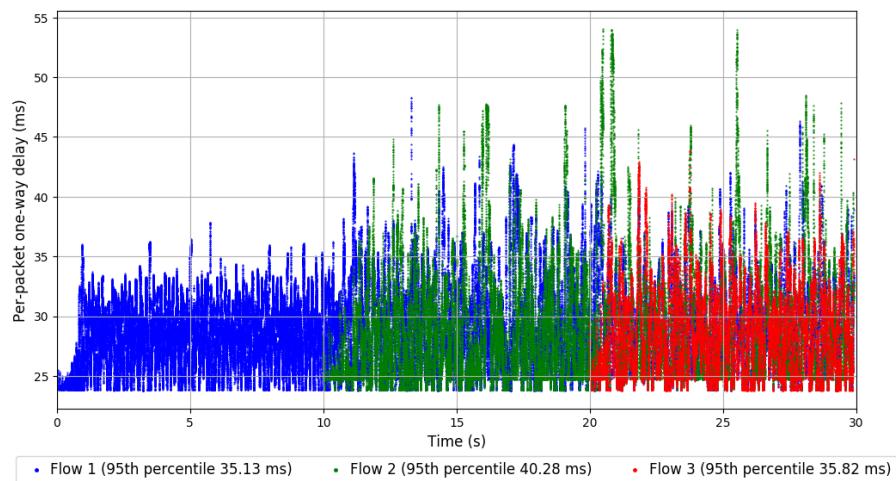
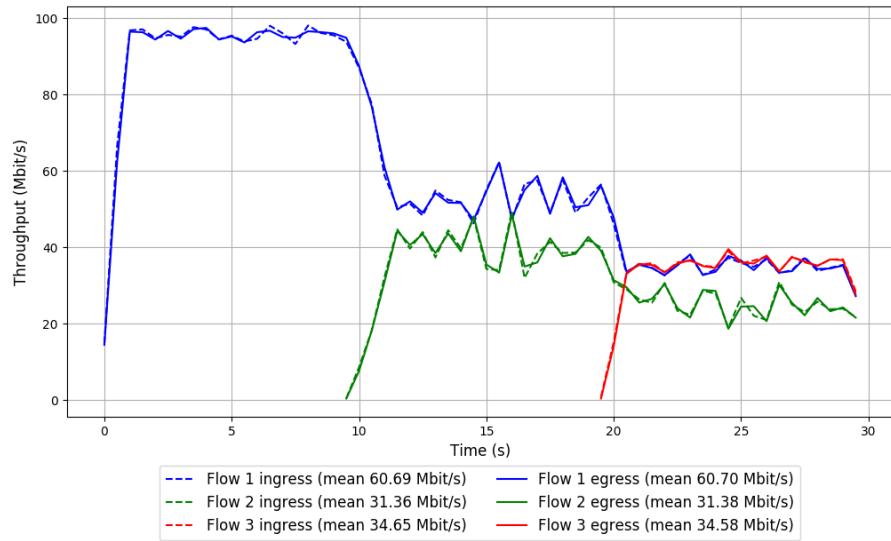


```
Run 10: Statistics of CalibratedKoho
```

```
Start at: 2017-09-08 00:49:04
End at: 2017-09-08 00:49:34
Local clock offset: -2.922 ms
Remote clock offset: -4.029 ms

# Below is generated by plot.py at 2017-09-08 04:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 36.109 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 60.70 Mbit/s
95th percentile per-packet one-way delay: 35.131 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 40.280 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 35.822 ms
Loss rate: 0.46%
```

Run 10: Report of CalibratedKoho — Data Link

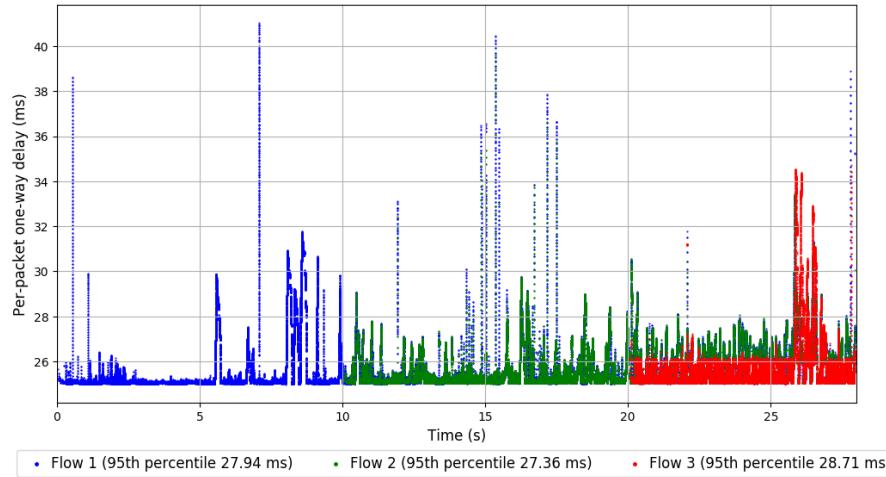
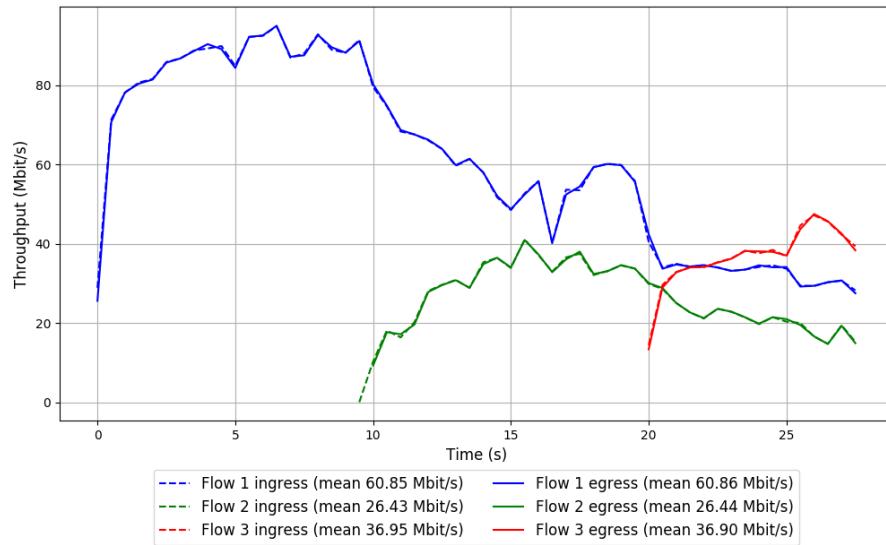


Run 1: Statistics of Copa

```
Start at: 2017-09-07 21:58:11
End at: 2017-09-07 21:58:41
Local clock offset: 1.912 ms
Remote clock offset: -2.91 ms

# Below is generated by plot.py at 2017-09-08 04:33:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 27.849 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 27.937 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 27.359 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 28.715 ms
Loss rate: 0.54%
```

Run 1: Report of Copa — Data Link

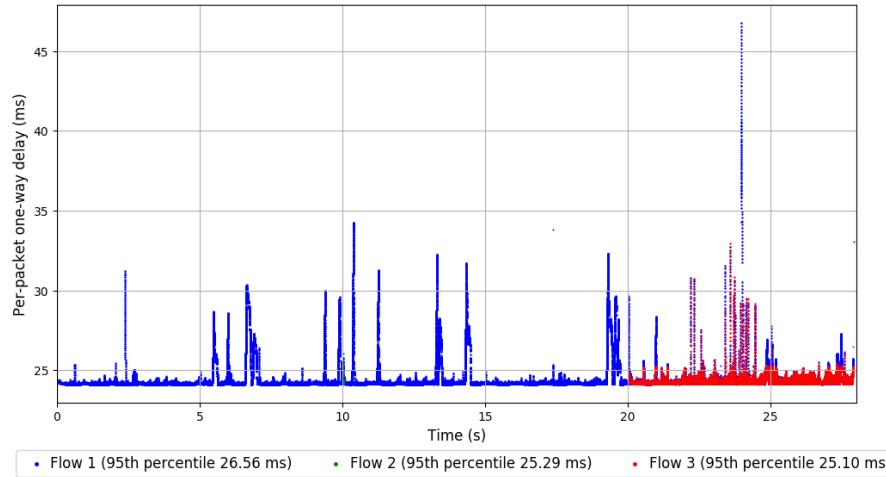
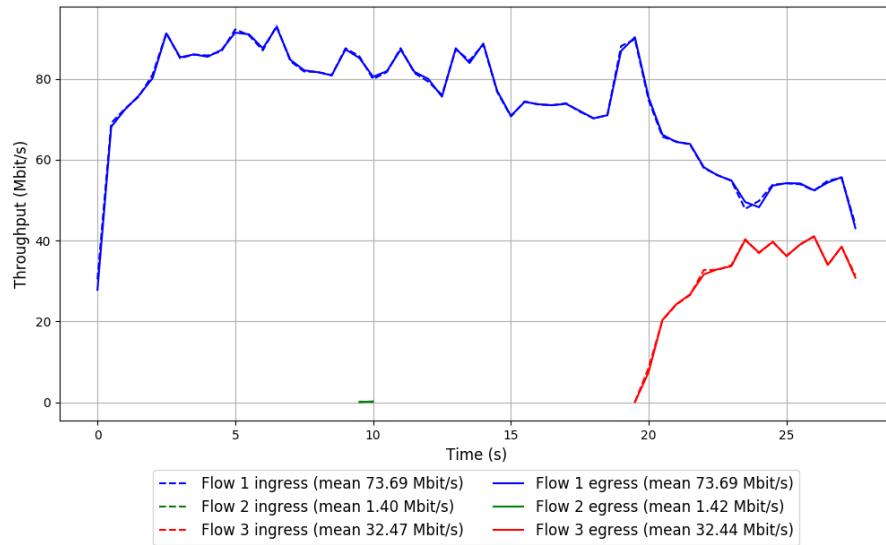


Run 2: Statistics of Copa

```
Start at: 2017-09-07 22:16:36
End at: 2017-09-07 22:17:06
Local clock offset: -0.232 ms
Remote clock offset: -3.195 ms

# Below is generated by plot.py at 2017-09-08 04:33:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.91 Mbit/s
95th percentile per-packet one-way delay: 26.221 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 73.69 Mbit/s
95th percentile per-packet one-way delay: 26.564 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 25.288 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 25.096 ms
Loss rate: 0.47%
```

Run 2: Report of Copa — Data Link

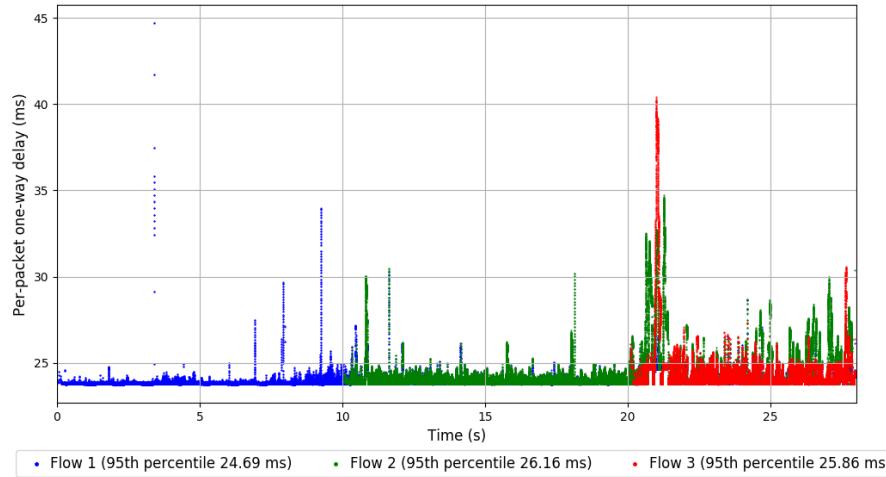
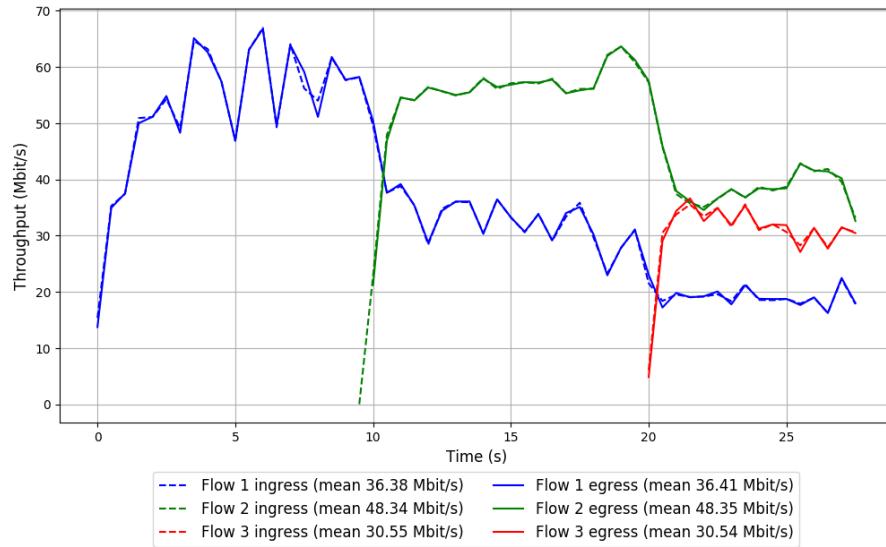


Run 3: Statistics of Copa

```
Start at: 2017-09-07 22:34:50
End at: 2017-09-07 22:35:20
Local clock offset: -0.335 ms
Remote clock offset: -2.34 ms

# Below is generated by plot.py at 2017-09-08 04:33:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.11 Mbit/s
95th percentile per-packet one-way delay: 25.057 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 24.687 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 48.35 Mbit/s
95th percentile per-packet one-way delay: 26.164 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 25.865 ms
Loss rate: 0.36%
```

Run 3: Report of Copa — Data Link

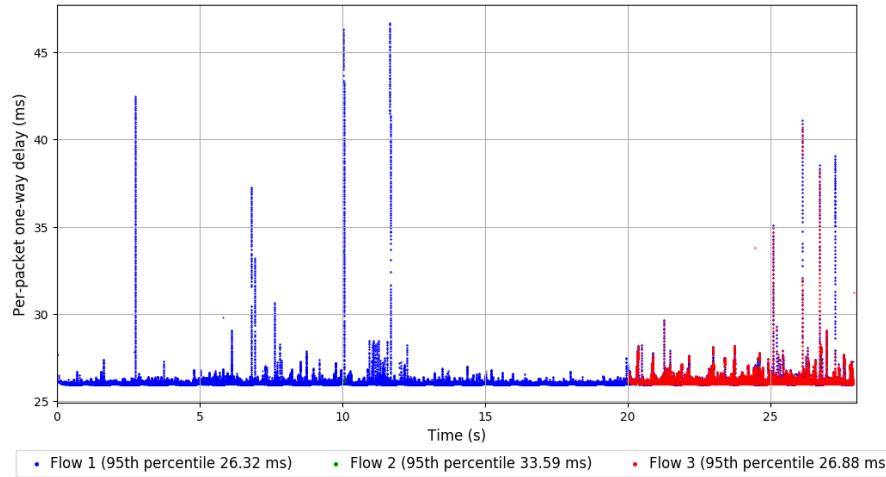
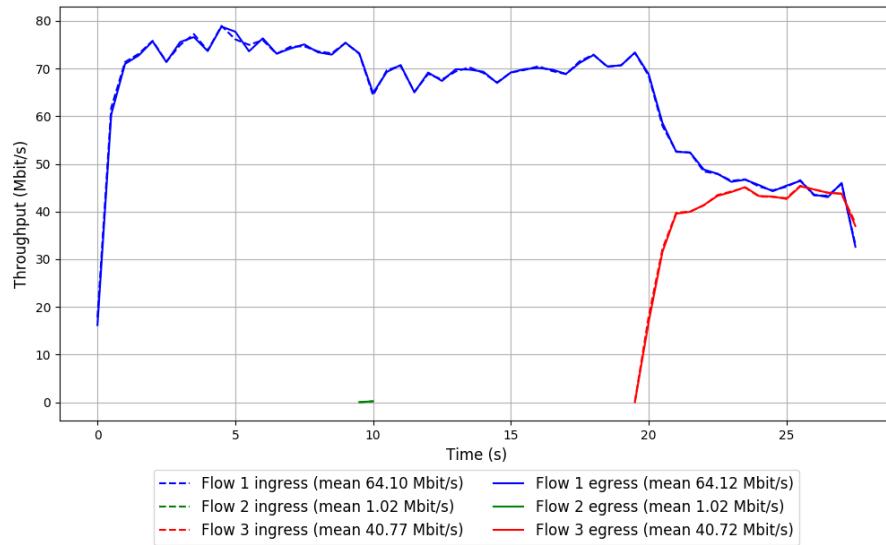


Run 4: Statistics of Copa

```
Start at: 2017-09-07 22:53:02
End at: 2017-09-07 22:53:32
Local clock offset: 0.279 ms
Remote clock offset: -3.687 ms

# Below is generated by plot.py at 2017-09-08 04:33:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.69 Mbit/s
95th percentile per-packet one-way delay: 26.436 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 64.12 Mbit/s
95th percentile per-packet one-way delay: 26.320 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 33.587 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 26.875 ms
Loss rate: 0.48%
```

Run 4: Report of Copa — Data Link

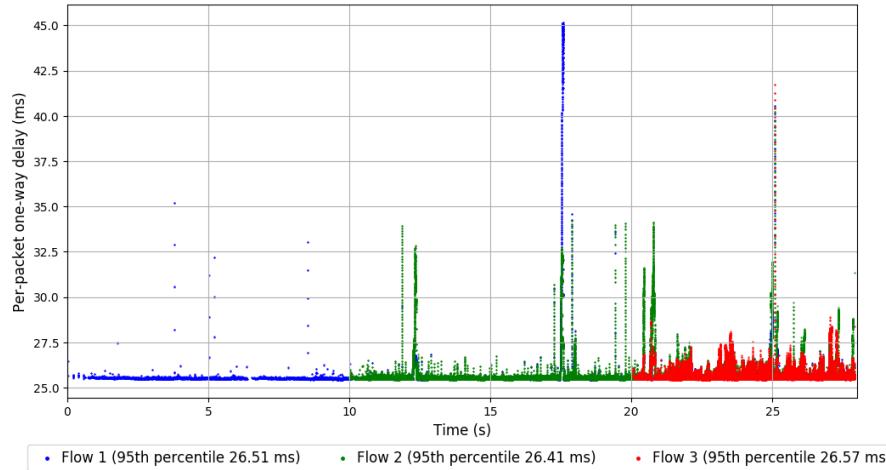
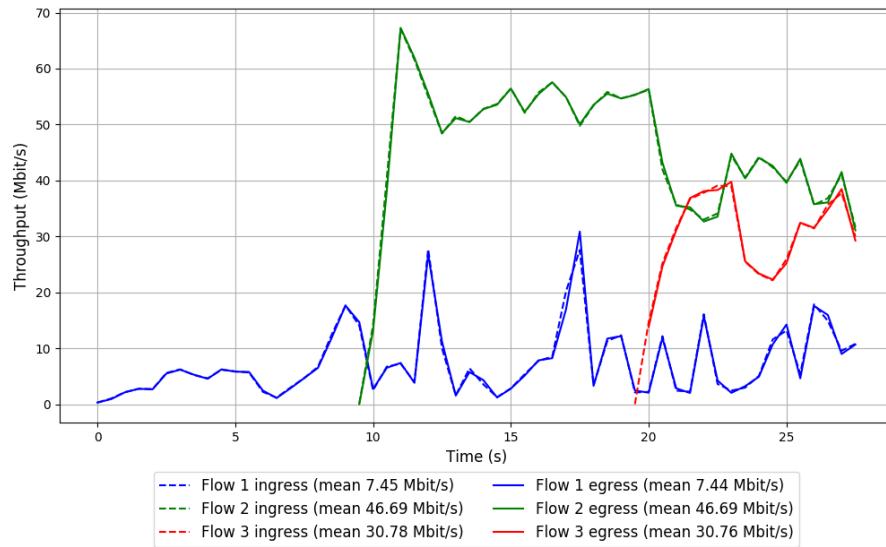


Run 5: Statistics of Copa

```
Start at: 2017-09-07 23:11:00
End at: 2017-09-07 23:11:30
Local clock offset: 0.194 ms
Remote clock offset: -3.046 ms

# Below is generated by plot.py at 2017-09-08 04:34:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 26.490 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 26.514 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 26.413 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 26.569 ms
Loss rate: 0.52%
```

Run 5: Report of Copa — Data Link

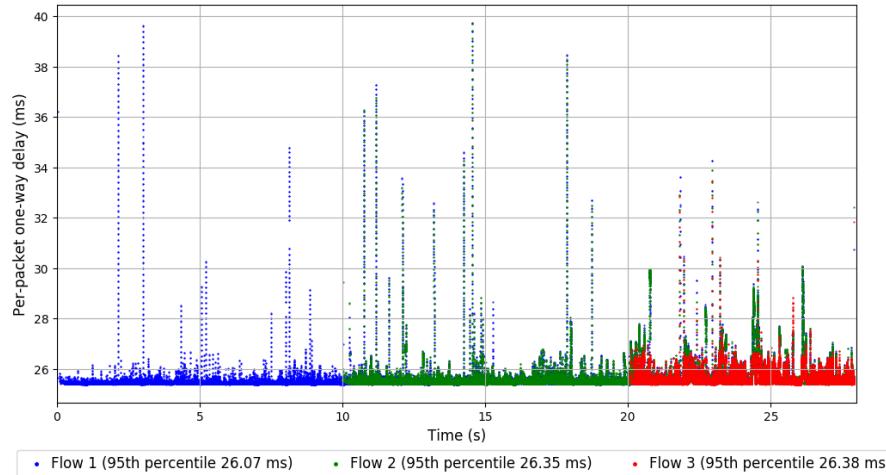
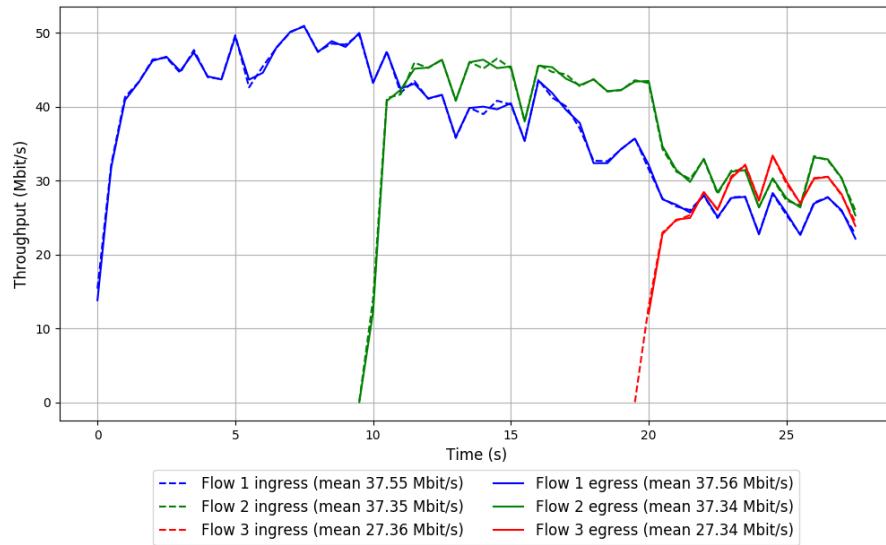


Run 6: Statistics of Copa

```
Start at: 2017-09-07 23:29:03
End at: 2017-09-07 23:29:33
Local clock offset: -0.623 ms
Remote clock offset: -3.835 ms

# Below is generated by plot.py at 2017-09-08 04:34:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 26.280 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 26.071 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.34 Mbit/s
95th percentile per-packet one-way delay: 26.353 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 26.381 ms
Loss rate: 0.46%
```

Run 6: Report of Copa — Data Link

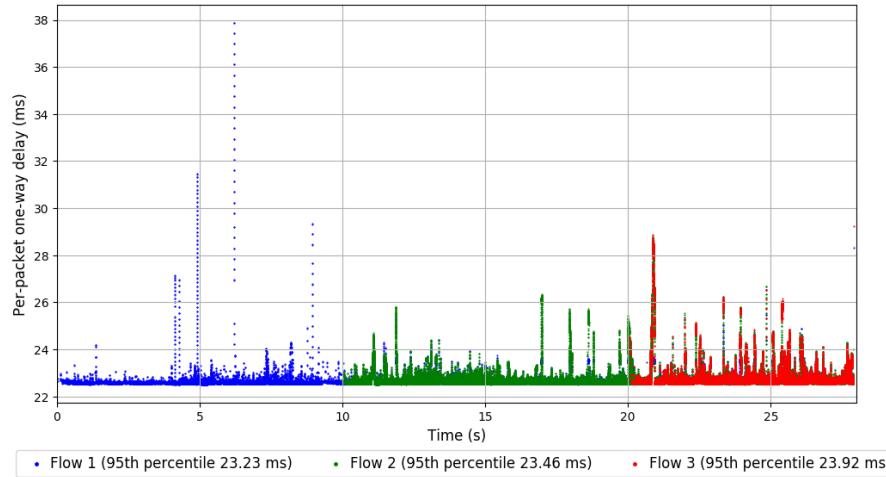
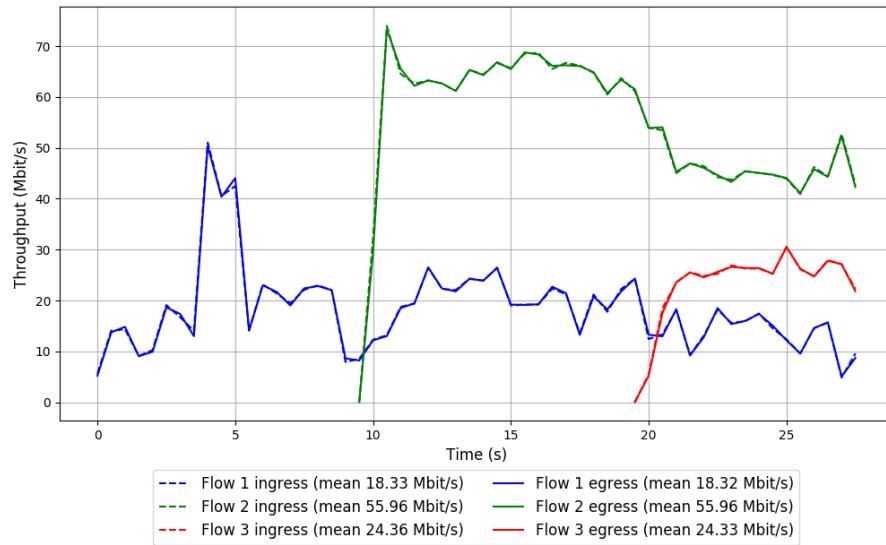


Run 7: Statistics of Copa

```
Start at: 2017-09-07 23:47:05
End at: 2017-09-07 23:47:35
Local clock offset: -2.46 ms
Remote clock offset: -2.431 ms

# Below is generated by plot.py at 2017-09-08 04:34:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 23.458 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 23.225 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 23.459 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 23.919 ms
Loss rate: 0.45%
```

Run 7: Report of Copa — Data Link

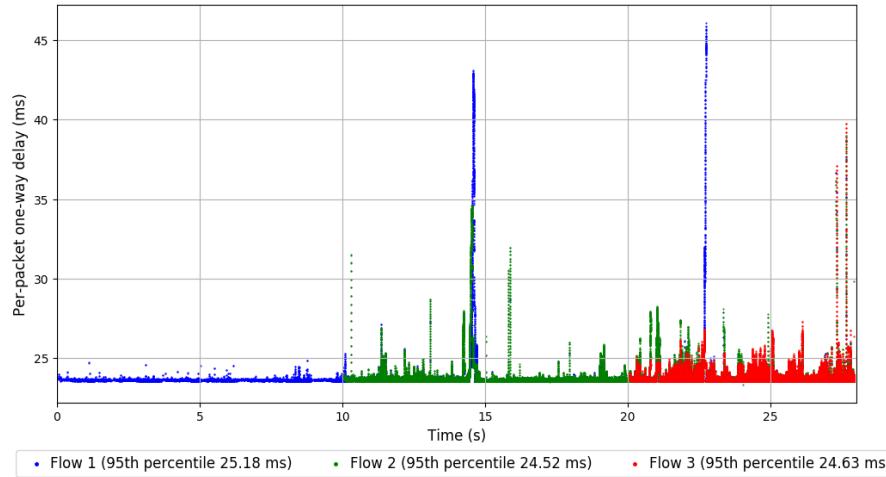
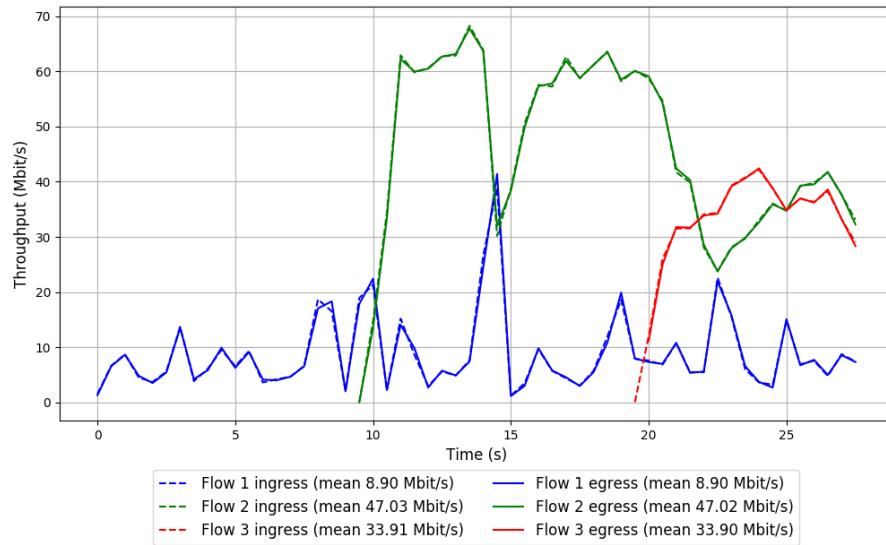


Run 8: Statistics of Copa

```
Start at: 2017-09-08 00:06:02
End at: 2017-09-08 00:06:32
Local clock offset: -3.658 ms
Remote clock offset: -4.474 ms

# Below is generated by plot.py at 2017-09-08 04:34:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 24.588 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 25.180 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 24.516 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 33.90 Mbit/s
95th percentile per-packet one-way delay: 24.628 ms
Loss rate: 0.41%
```

Run 8: Report of Copa — Data Link

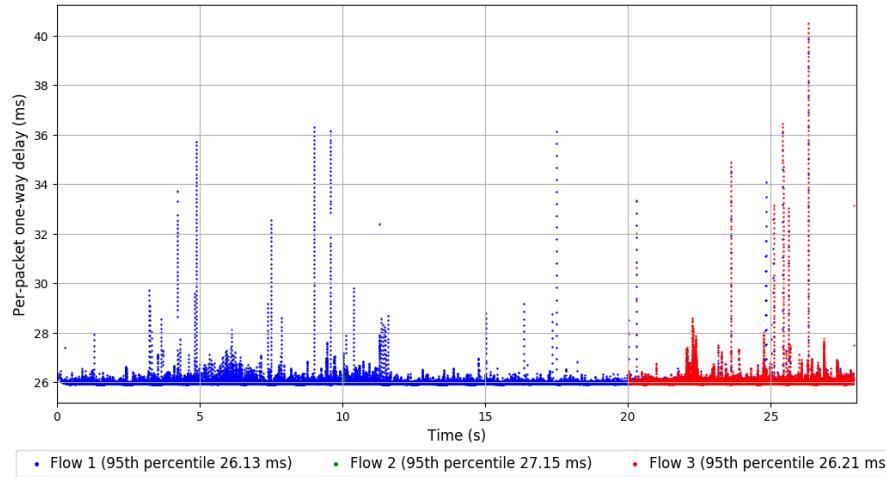
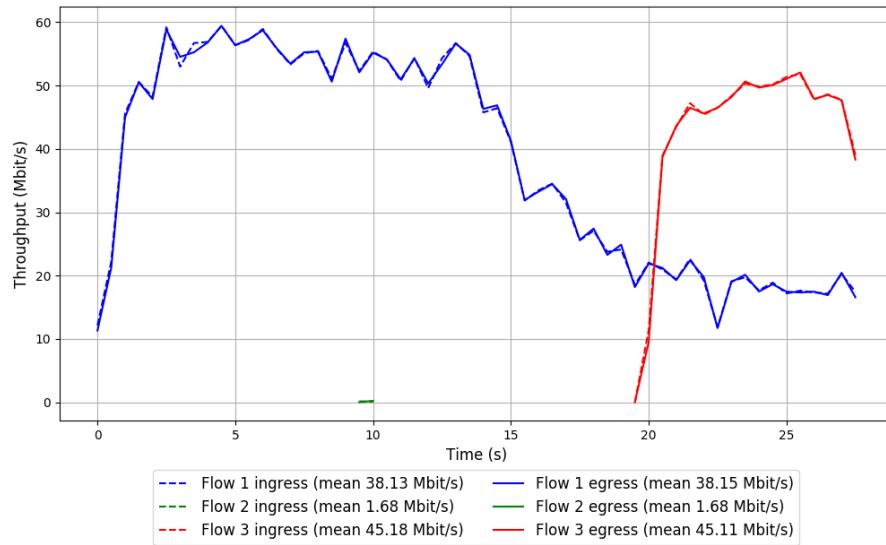


Run 9: Statistics of Copa

```
Start at: 2017-09-08 00:24:53
End at: 2017-09-08 00:25:23
Local clock offset: -0.123 ms
Remote clock offset: -3.435 ms

# Below is generated by plot.py at 2017-09-08 04:34:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.97 Mbit/s
95th percentile per-packet one-way delay: 26.146 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 26.128 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 27.146 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 26.215 ms
Loss rate: 0.47%
```

Run 9: Report of Copa — Data Link

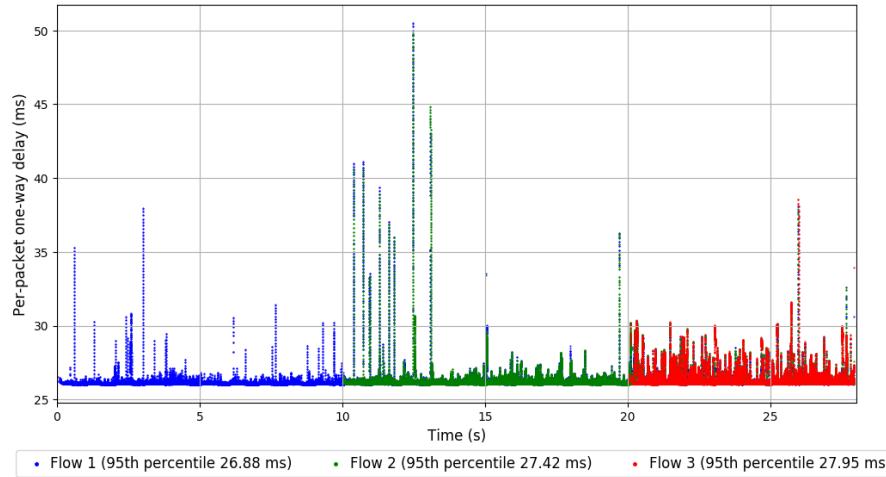
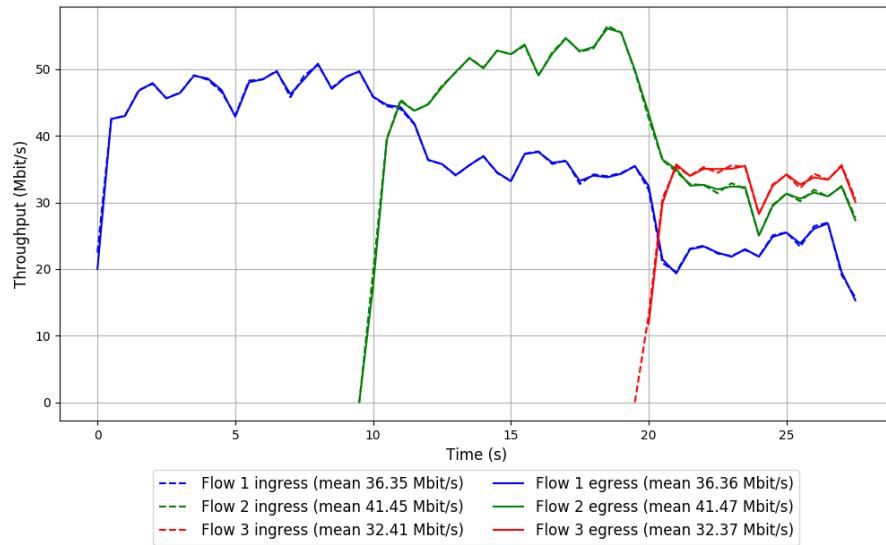


Run 10: Statistics of Copa

```
Start at: 2017-09-08 00:43:55
End at: 2017-09-08 00:44:25
Local clock offset: -0.842 ms
Remote clock offset: -4.127 ms

# Below is generated by plot.py at 2017-09-08 04:34:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 27.177 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 26.880 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 41.47 Mbit/s
95th percentile per-packet one-way delay: 27.421 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 27.948 ms
Loss rate: 0.48%
```

Run 10: Report of Copa — Data Link

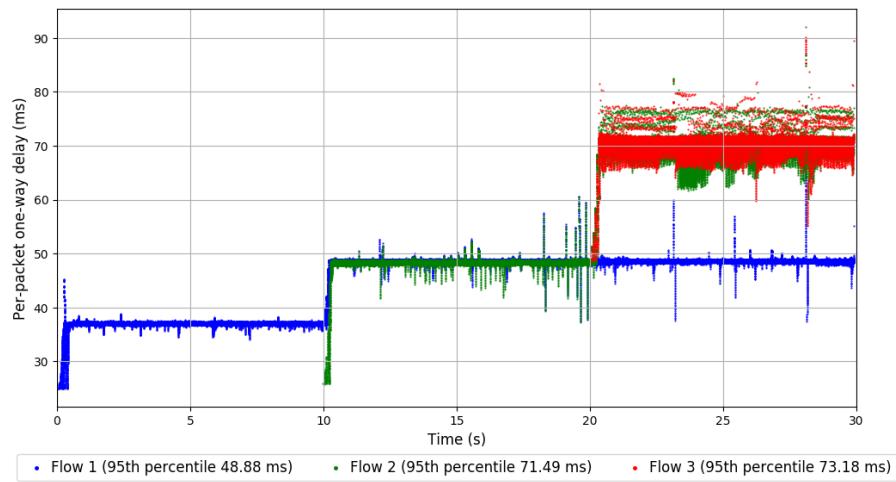
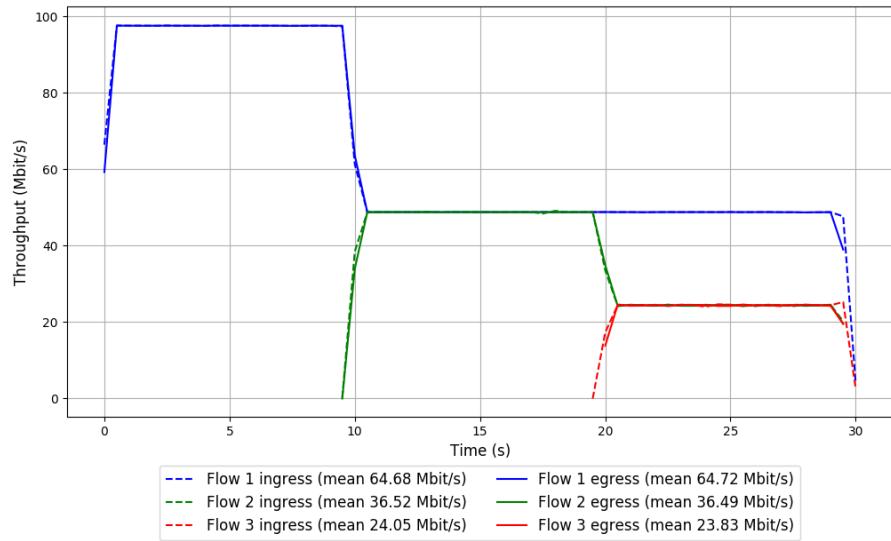


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-09-07 22:05:41
End at: 2017-09-07 22:06:11
Local clock offset: 1.275 ms
Remote clock offset: -3.004 ms

# Below is generated by plot.py at 2017-09-08 04:34:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 71.256 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 64.72 Mbit/s
95th percentile per-packet one-way delay: 48.880 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 36.49 Mbit/s
95th percentile per-packet one-way delay: 71.488 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 73.176 ms
Loss rate: 2.45%
```

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-09-07 22:23:59

End at: 2017-09-07 22:24:29

Local clock offset: -1.035 ms

Remote clock offset: -2.77 ms

Run 2: Report of TCP Cubic — Data Link

Figure is missing

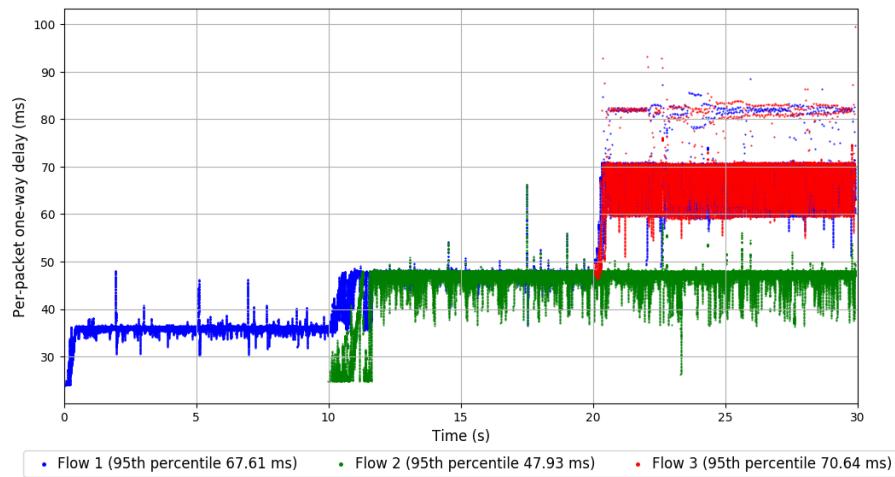
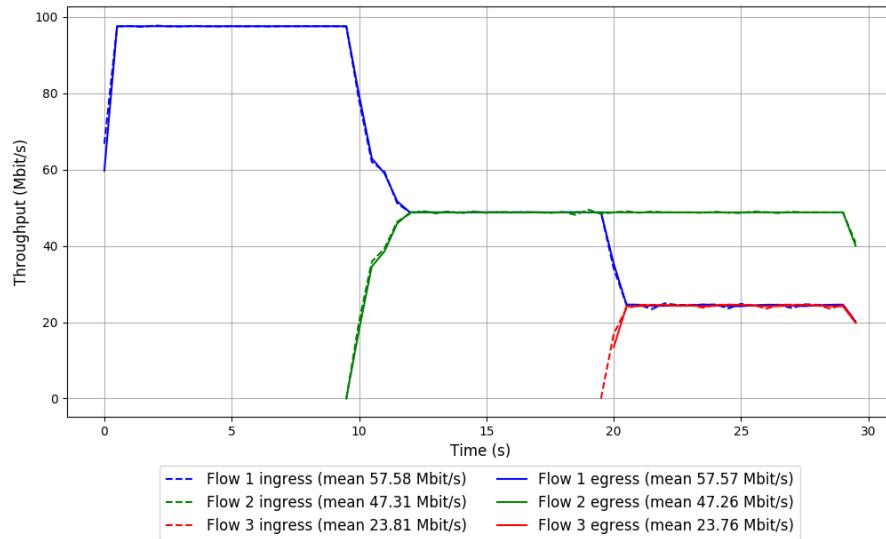
Figure is missing

Run 3: Statistics of TCP Cubic

```
Start at: 2017-09-07 22:42:18
End at: 2017-09-07 22:42:48
Local clock offset: -1.433 ms
Remote clock offset: -3.595 ms

# Below is generated by plot.py at 2017-09-08 04:34:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 68.282 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 67.605 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 47.929 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 70.645 ms
Loss rate: 0.75%
```

Run 3: Report of TCP Cubic — Data Link

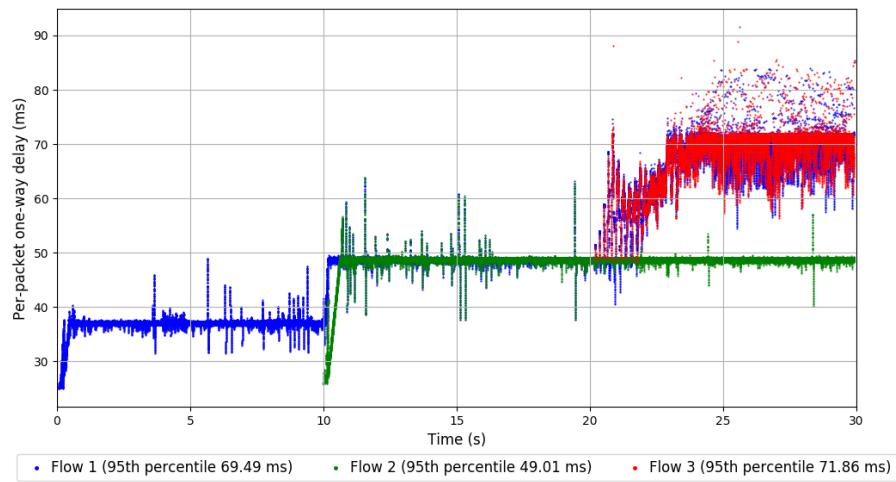
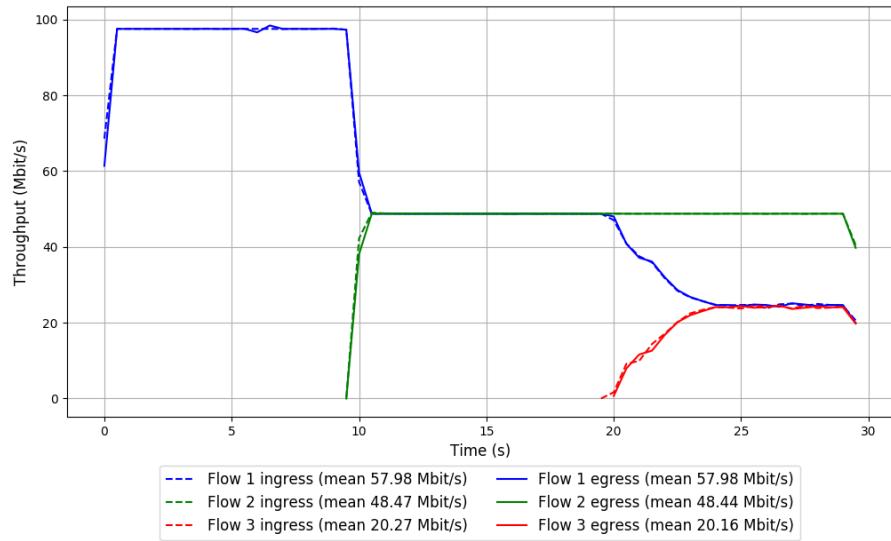


Run 4: Statistics of TCP Cubic

```
Start at: 2017-09-07 23:00:17
End at: 2017-09-07 23:00:47
Local clock offset: -0.816 ms
Remote clock offset: -3.782 ms

# Below is generated by plot.py at 2017-09-08 04:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 70.251 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.98 Mbit/s
95th percentile per-packet one-way delay: 69.488 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 49.010 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 71.861 ms
Loss rate: 0.97%
```

Run 4: Report of TCP Cubic — Data Link

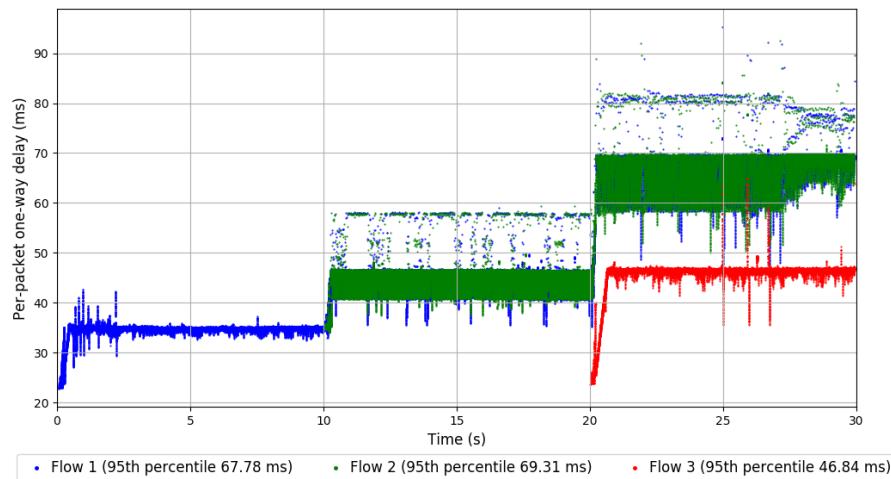
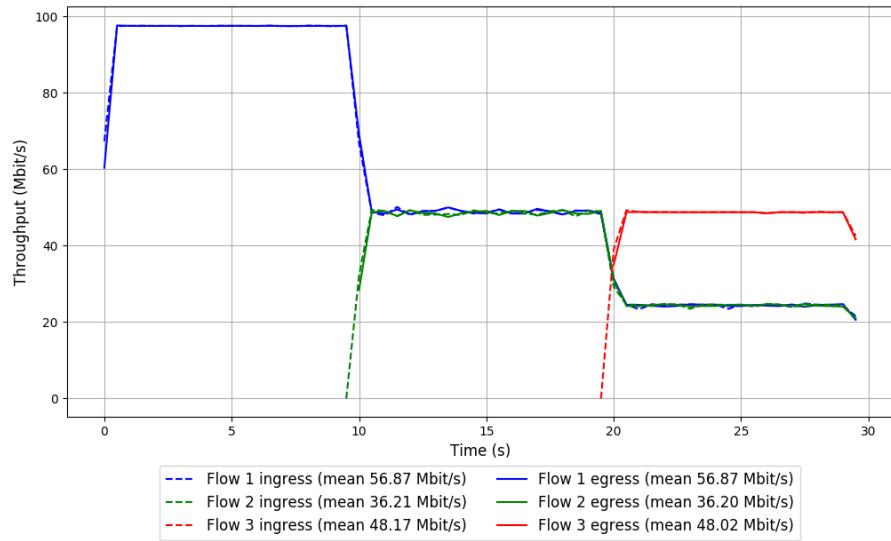


Run 5: Statistics of TCP Cubic

```
Start at: 2017-09-07 23:18:13
End at: 2017-09-07 23:18:43
Local clock offset: -7.009 ms
Remote clock offset: -7.512 ms

# Below is generated by plot.py at 2017-09-08 04:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 68.272 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 67.780 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 69.312 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 48.02 Mbit/s
95th percentile per-packet one-way delay: 46.836 ms
Loss rate: 0.57%
```

Run 5: Report of TCP Cubic — Data Link

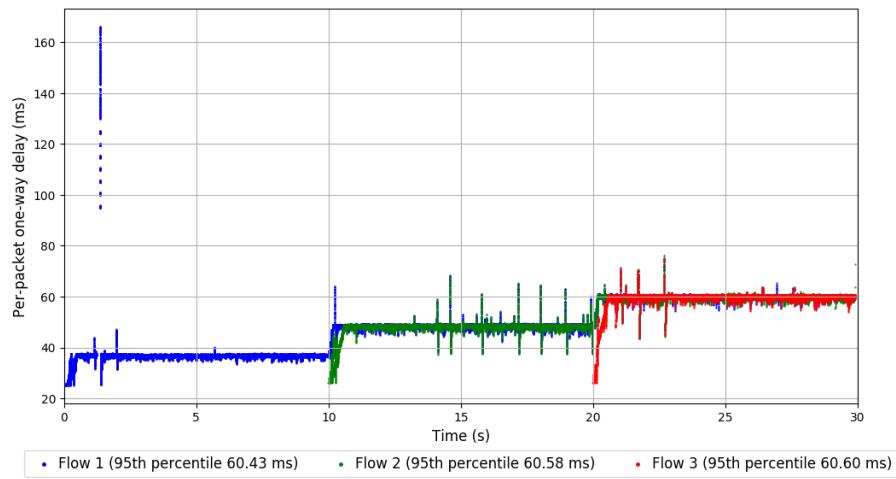
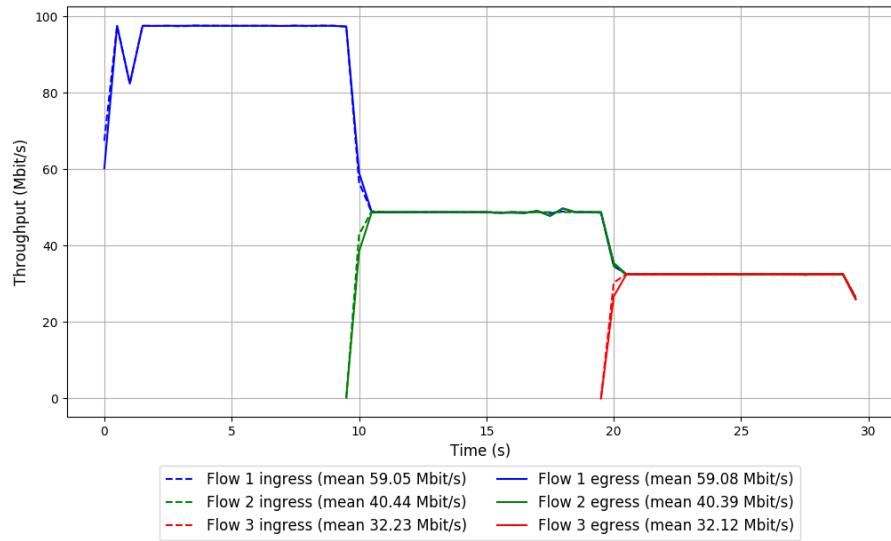


Run 6: Statistics of TCP Cubic

```
Start at: 2017-09-07 23:36:29
End at: 2017-09-07 23:36:59
Local clock offset: -1.216 ms
Remote clock offset: -3.941 ms

# Below is generated by plot.py at 2017-09-08 04:35:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 60.551 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 60.431 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 60.579 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 60.598 ms
Loss rate: 0.69%
```

Run 6: Report of TCP Cubic — Data Link

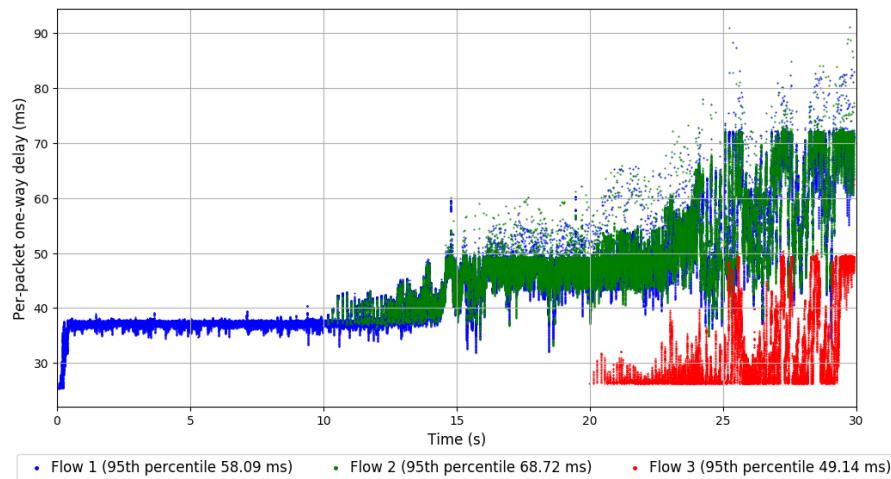
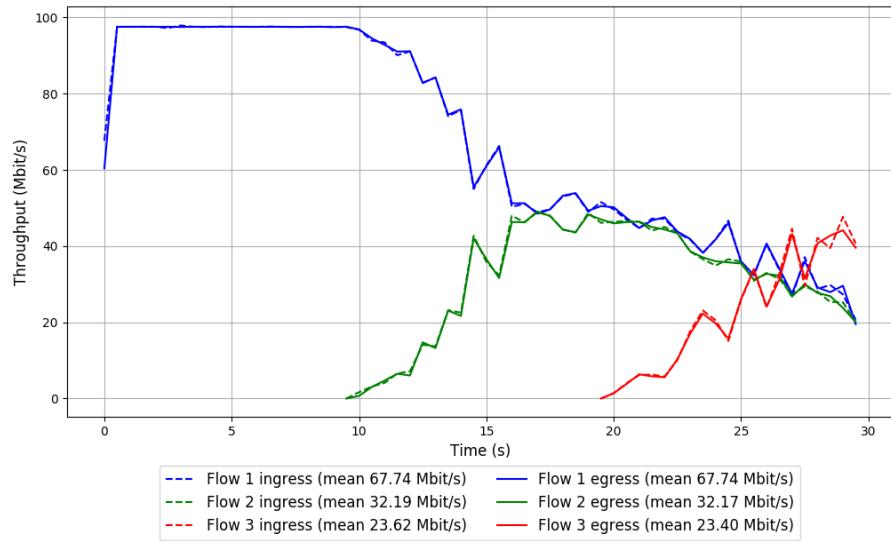


Run 7: Statistics of TCP Cubic

```
Start at: 2017-09-07 23:54:40
End at: 2017-09-07 23:55:10
Local clock offset: -0.625 ms
Remote clock offset: -3.313 ms

# Below is generated by plot.py at 2017-09-08 04:35:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 61.666 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 67.74 Mbit/s
95th percentile per-packet one-way delay: 58.092 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 68.724 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 49.136 ms
Loss rate: 1.11%
```

Run 7: Report of TCP Cubic — Data Link

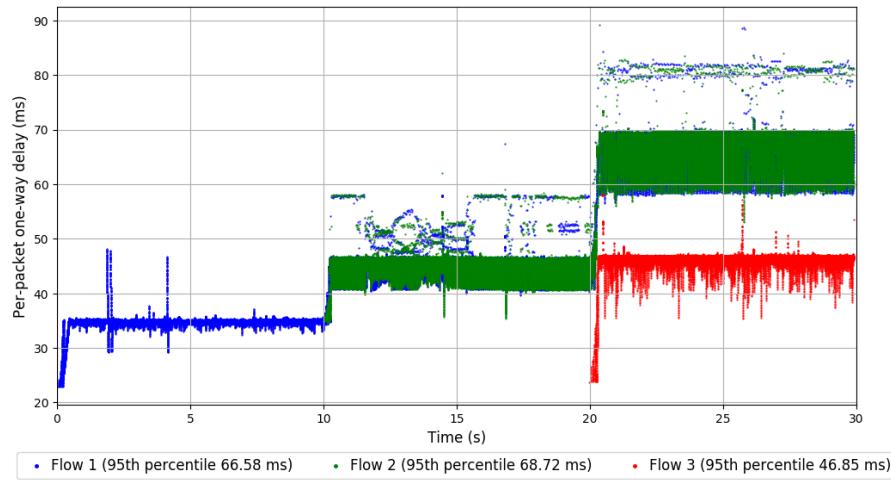
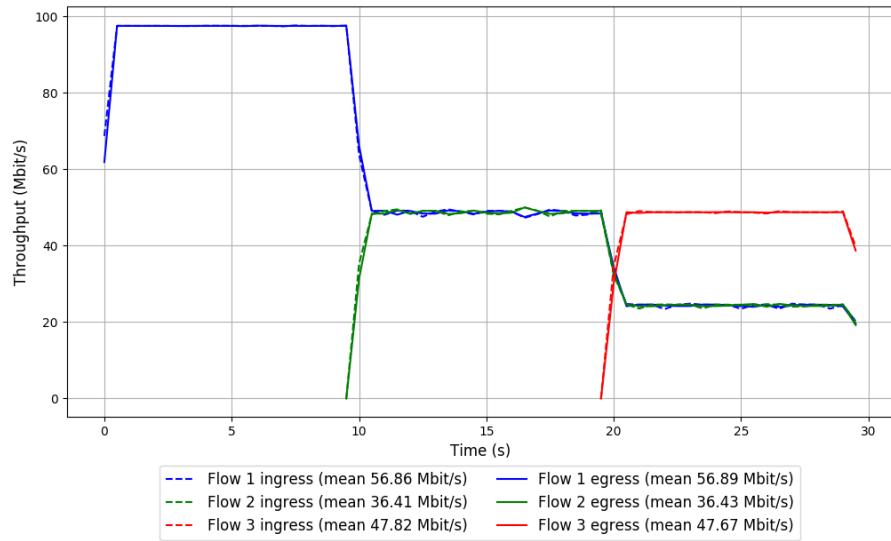


Run 8: Statistics of TCP Cubic

```
Start at: 2017-09-08 00:13:34
End at: 2017-09-08 00:14:04
Local clock offset: -3.831 ms
Remote clock offset: -4.014 ms

# Below is generated by plot.py at 2017-09-08 04:35:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 67.084 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 66.579 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 68.719 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 47.67 Mbit/s
95th percentile per-packet one-way delay: 46.853 ms
Loss rate: 0.60%
```

Run 8: Report of TCP Cubic — Data Link

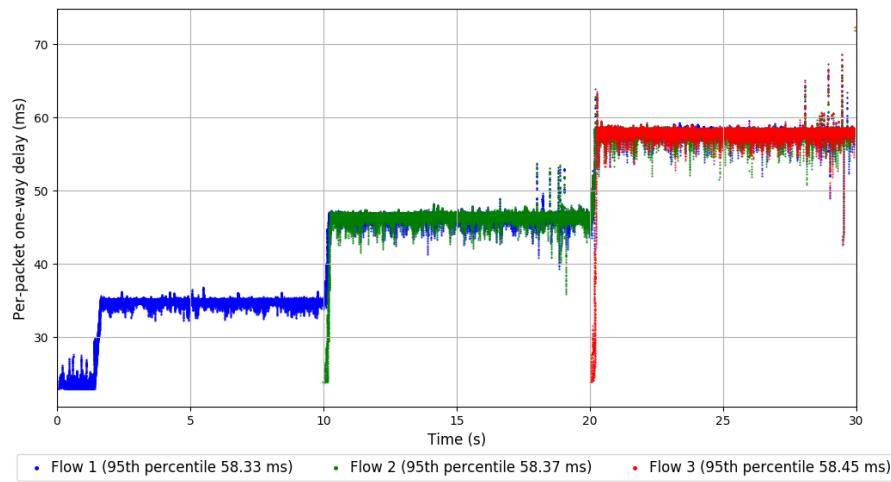
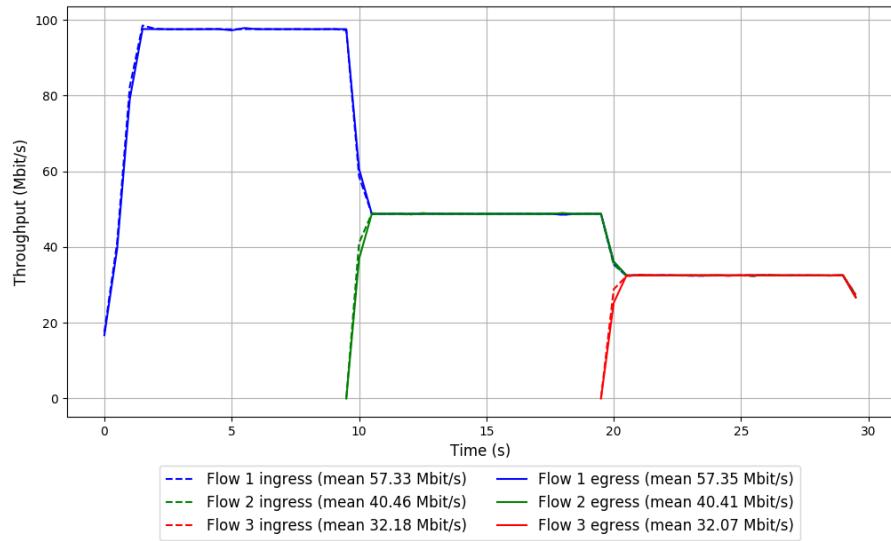


Run 9: Statistics of TCP Cubic

```
Start at: 2017-09-08 00:32:41
End at: 2017-09-08 00:33:11
Local clock offset: -3.448 ms
Remote clock offset: -3.739 ms

# Below is generated by plot.py at 2017-09-08 04:35:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 58.374 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 58.330 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 58.372 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 58.453 ms
Loss rate: 0.68%
```

Run 9: Report of TCP Cubic — Data Link

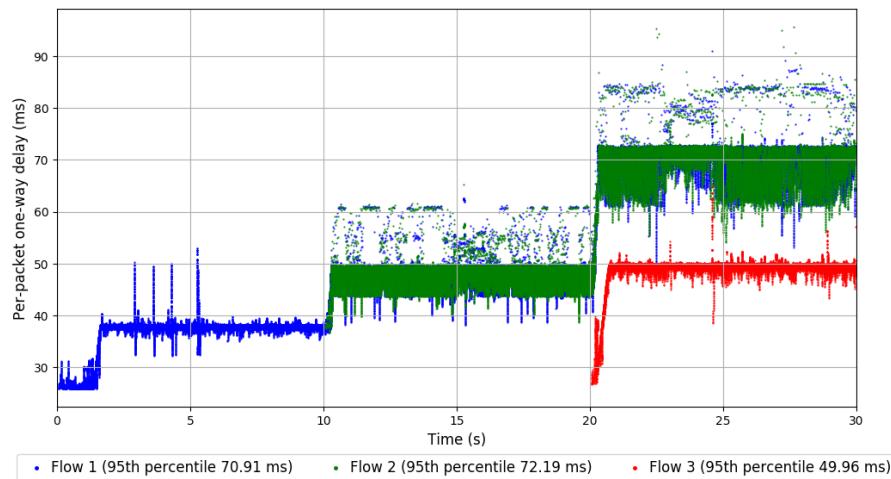
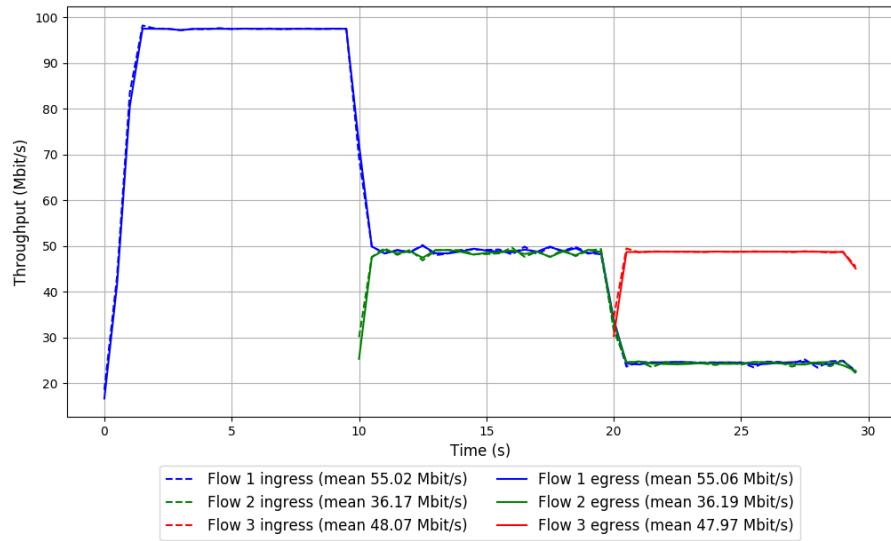


Run 10: Statistics of TCP Cubic

```
Start at: 2017-09-08 00:51:45
End at: 2017-09-08 00:52:15
Local clock offset: -1.456 ms
Remote clock offset: -4.72 ms

# Below is generated by plot.py at 2017-09-08 04:35:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 71.355 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 70.908 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 72.194 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 49.962 ms
Loss rate: 0.54%
```

Run 10: Report of TCP Cubic — Data Link

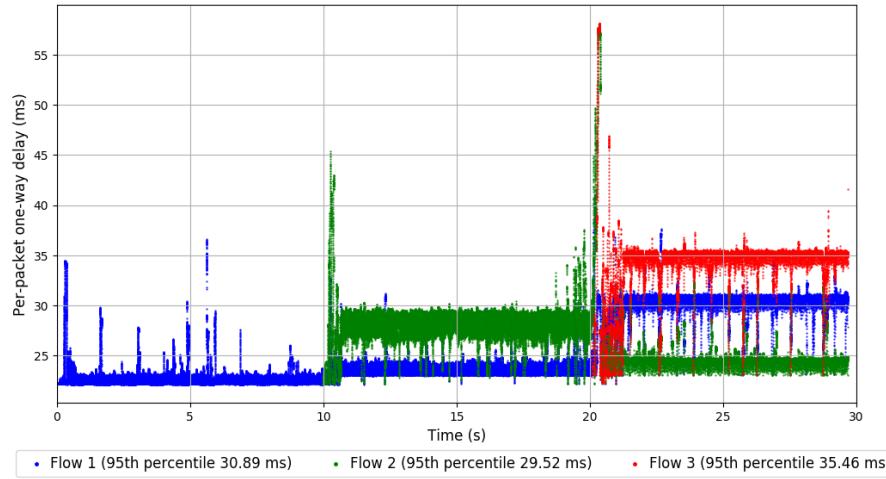
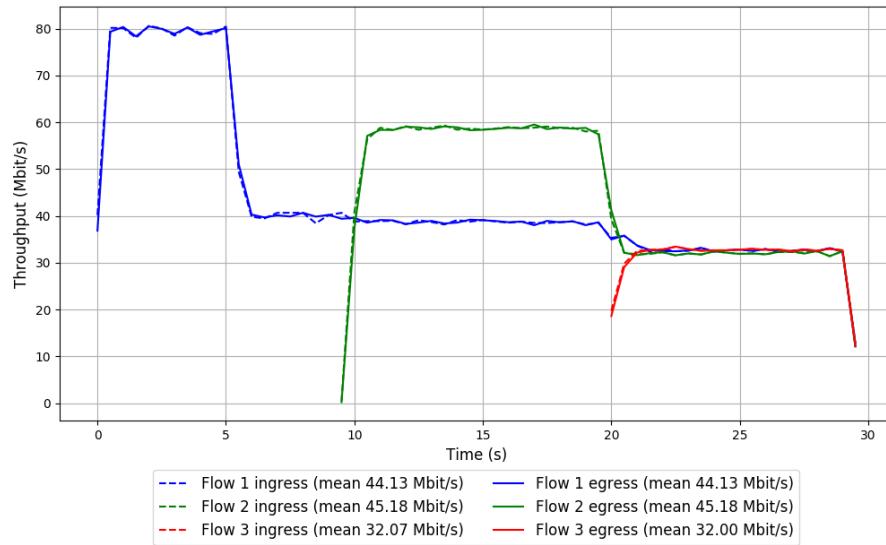


Run 1: Statistics of Indigo

```
Start at: 2017-09-07 21:48:40
End at: 2017-09-07 21:49:10
Local clock offset: -0.082 ms
Remote clock offset: -2.438 ms

# Below is generated by plot.py at 2017-09-08 04:35:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 35.218 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 30.889 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 45.18 Mbit/s
95th percentile per-packet one-way delay: 29.522 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 35.458 ms
Loss rate: 0.48%
```

Run 1: Report of Indigo — Data Link

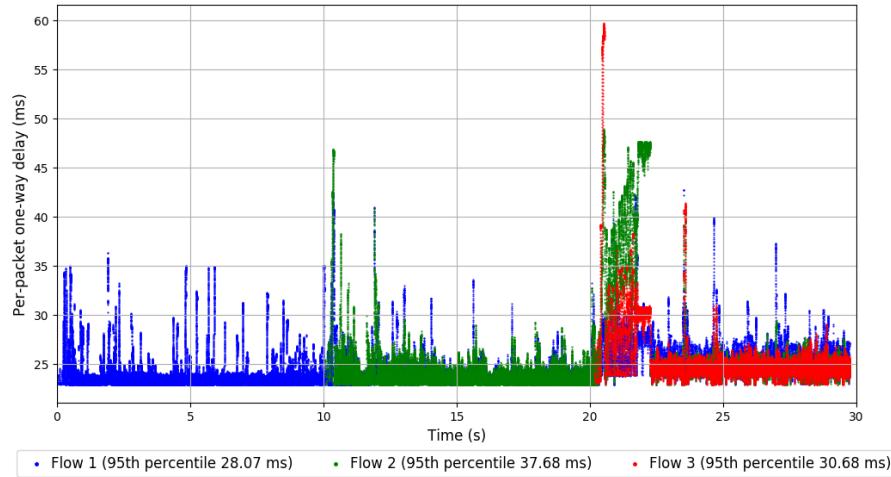
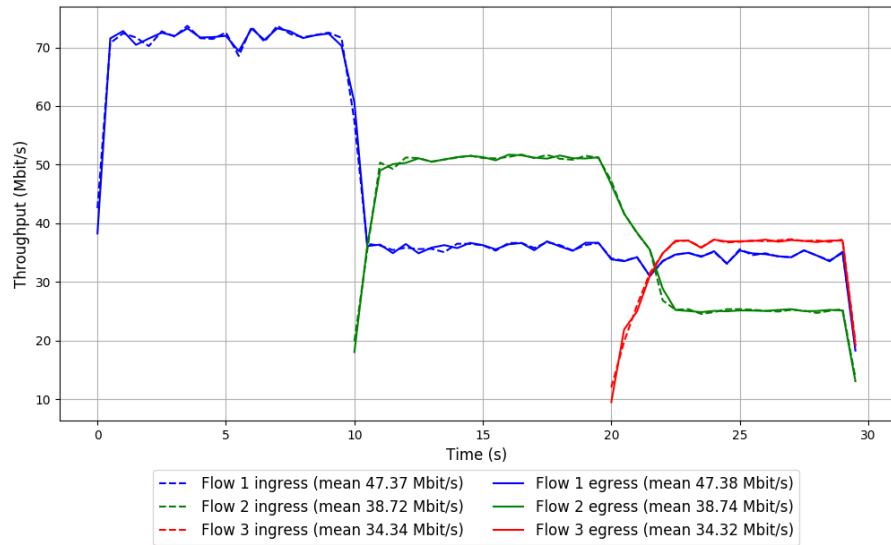


Run 2: Statistics of Indigo

```
Start at: 2017-09-07 22:06:59
End at: 2017-09-07 22:07:29
Local clock offset: -1.385 ms
Remote clock offset: -3.552 ms

# Below is generated by plot.py at 2017-09-08 04:35:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.12 Mbit/s
95th percentile per-packet one-way delay: 30.425 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 47.38 Mbit/s
95th percentile per-packet one-way delay: 28.070 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 37.678 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 30.682 ms
Loss rate: 0.42%
```

Run 2: Report of Indigo — Data Link

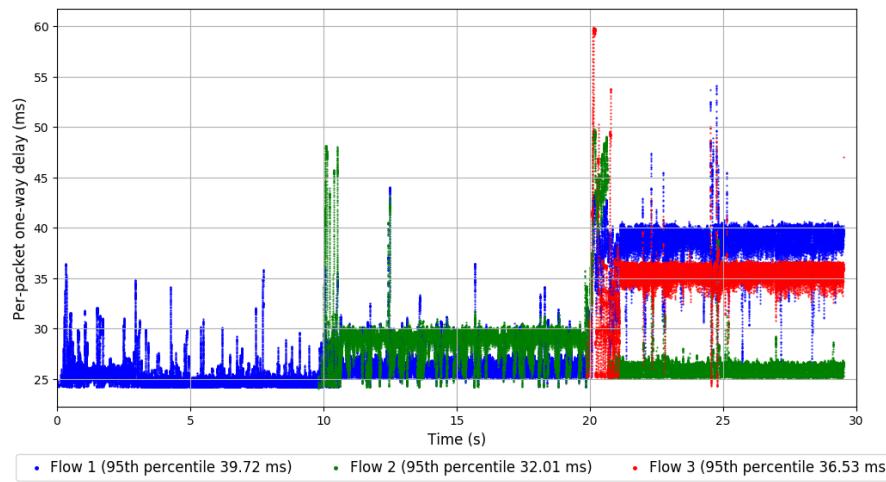
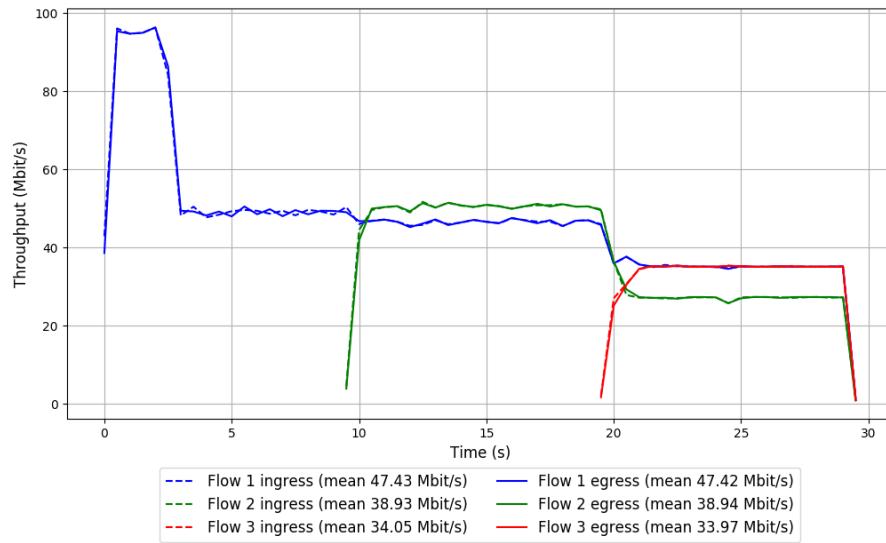


Run 3: Statistics of Indigo

```
Start at: 2017-09-07 22:25:10
End at: 2017-09-07 22:25:40
Local clock offset: -0.005 ms
Remote clock offset: -2.717 ms

# Below is generated by plot.py at 2017-09-08 04:35:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 39.538 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 39.724 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.94 Mbit/s
95th percentile per-packet one-way delay: 32.007 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.97 Mbit/s
95th percentile per-packet one-way delay: 36.529 ms
Loss rate: 0.47%
```

Run 3: Report of Indigo — Data Link

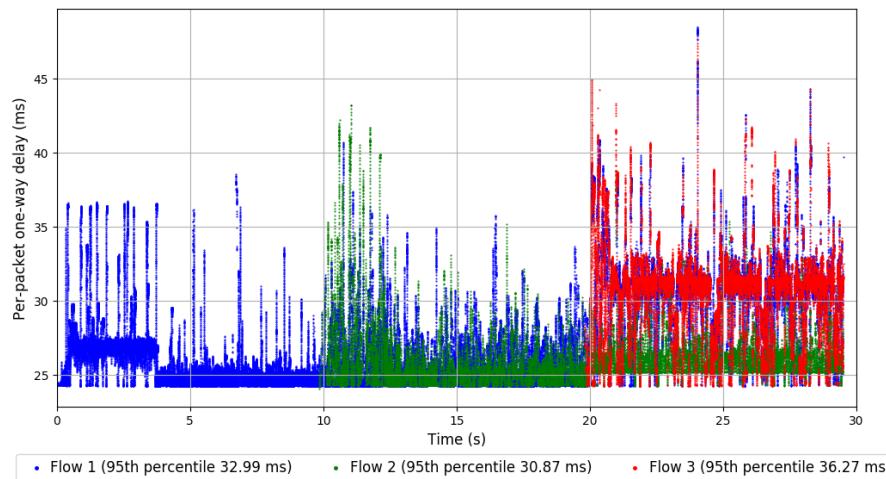
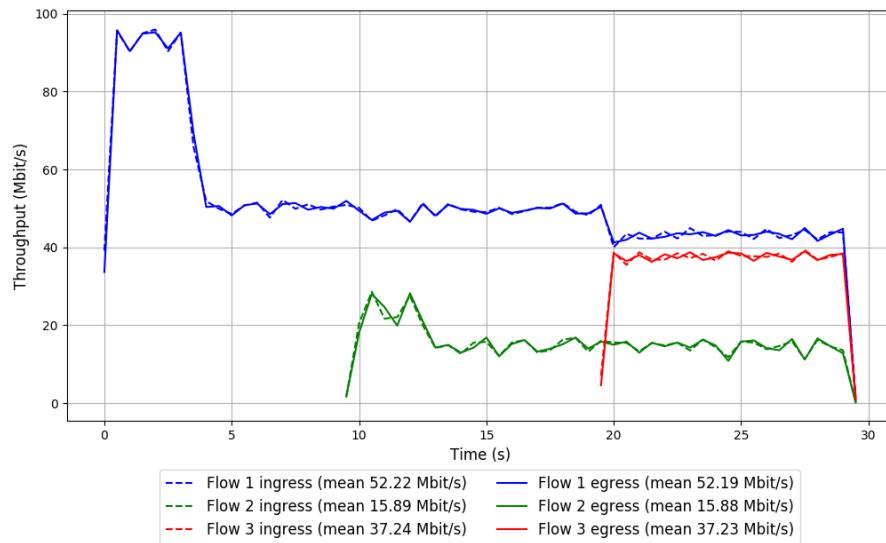


Run 4: Statistics of Indigo

```
Start at: 2017-09-07 22:43:32
End at: 2017-09-07 22:44:02
Local clock offset: 0.147 ms
Remote clock offset: -2.297 ms

# Below is generated by plot.py at 2017-09-08 04:36:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.01 Mbit/s
95th percentile per-packet one-way delay: 33.524 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 52.19 Mbit/s
95th percentile per-packet one-way delay: 32.992 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 30.870 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 36.275 ms
Loss rate: 0.37%
```

Run 4: Report of Indigo — Data Link

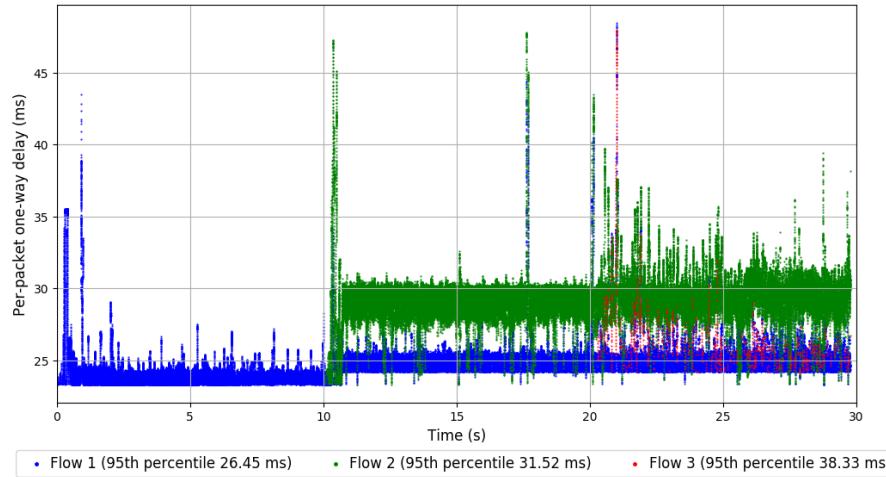
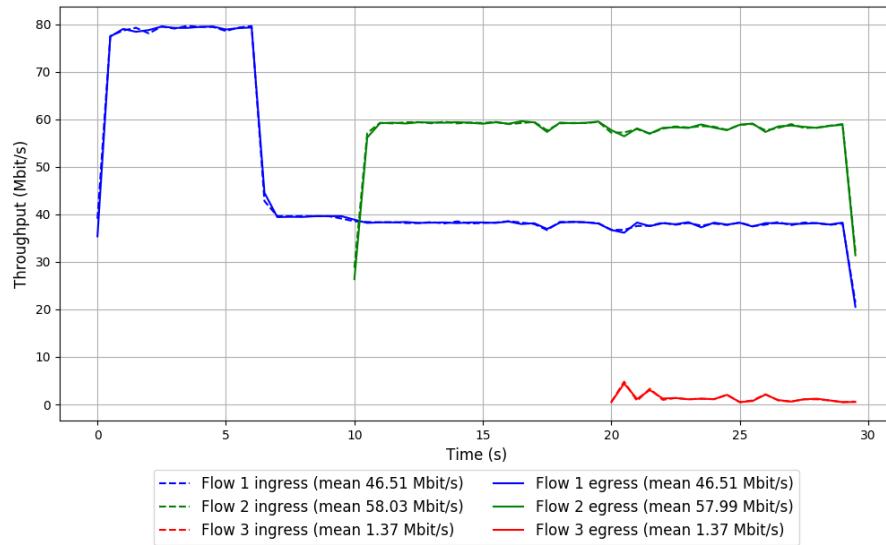


Run 5: Statistics of Indigo

```
Start at: 2017-09-07 23:01:30
End at: 2017-09-07 23:02:00
Local clock offset: -1.699 ms
Remote clock offset: -2.913 ms

# Below is generated by plot.py at 2017-09-08 04:36:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.31 Mbit/s
95th percentile per-packet one-way delay: 30.672 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 26.445 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 31.525 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 38.329 ms
Loss rate: 0.37%
```

Run 5: Report of Indigo — Data Link

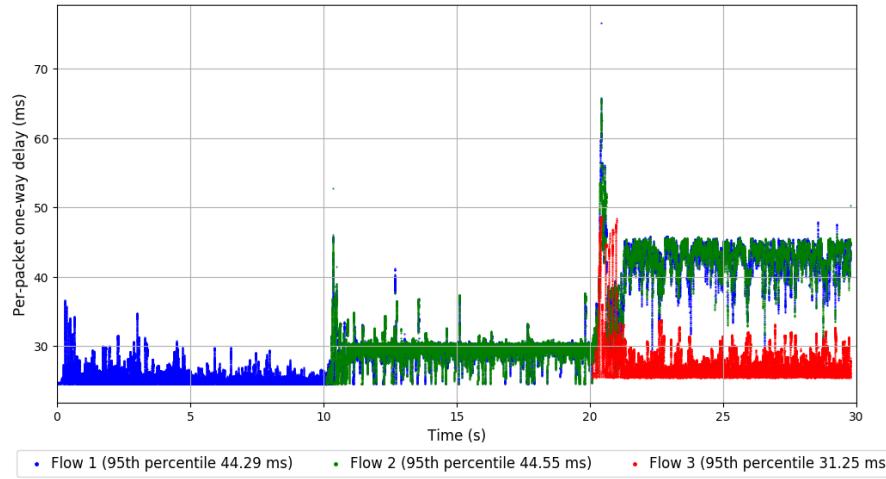
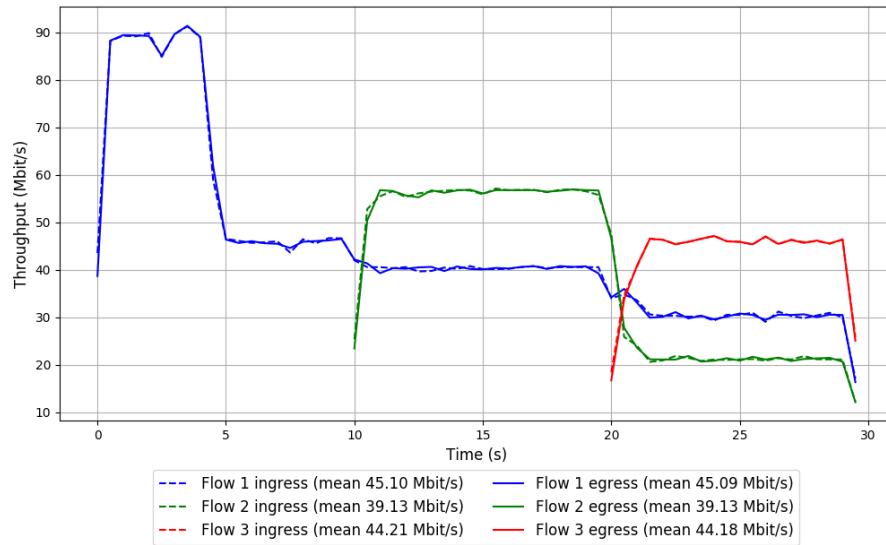


Run 6: Statistics of Indigo

```
Start at: 2017-09-07 23:19:26
End at: 2017-09-07 23:19:56
Local clock offset: -1.154 ms
Remote clock offset: -3.379 ms

# Below is generated by plot.py at 2017-09-08 04:36:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 44.252 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 45.09 Mbit/s
95th percentile per-packet one-way delay: 44.292 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 44.545 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 44.18 Mbit/s
95th percentile per-packet one-way delay: 31.248 ms
Loss rate: 0.38%
```

Run 6: Report of Indigo — Data Link

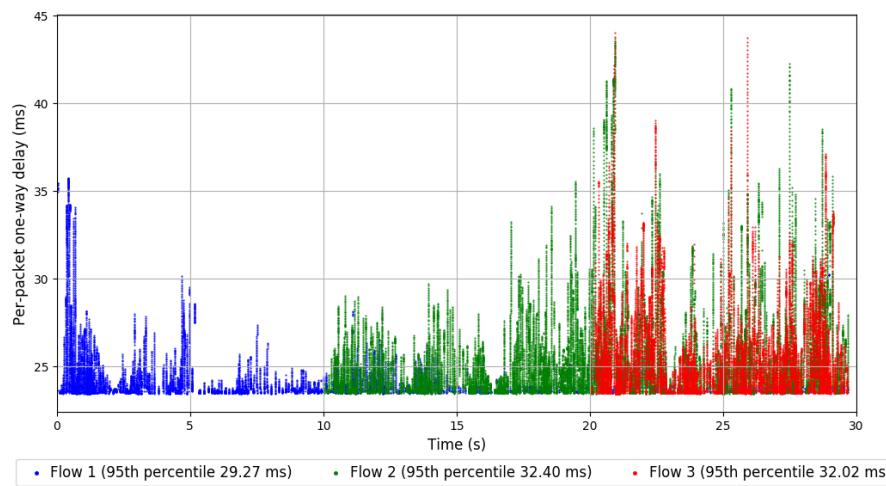
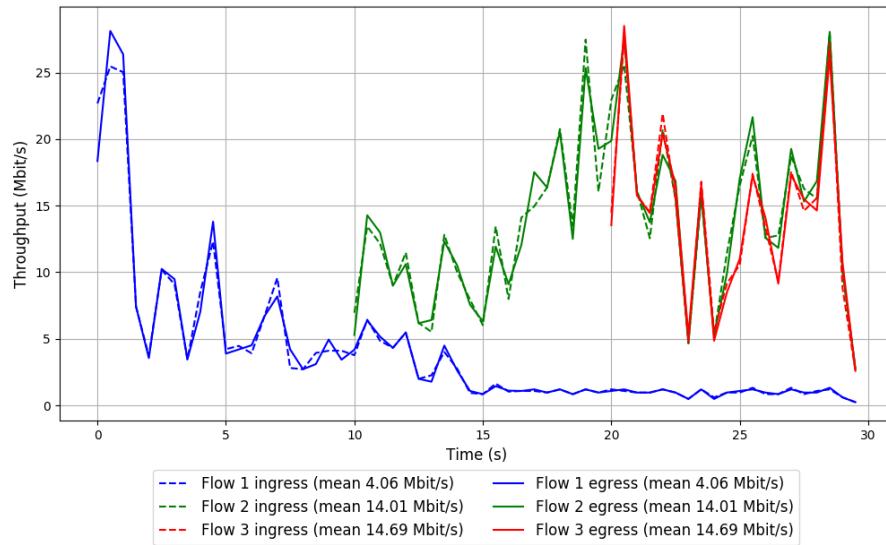


Run 7: Statistics of Indigo

```
Start at: 2017-09-07 23:37:42
End at: 2017-09-07 23:38:12
Local clock offset: -2.762 ms
Remote clock offset: -3.755 ms

# Below is generated by plot.py at 2017-09-08 04:36:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.10 Mbit/s
95th percentile per-packet one-way delay: 31.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 29.272 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 32.402 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 32.015 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

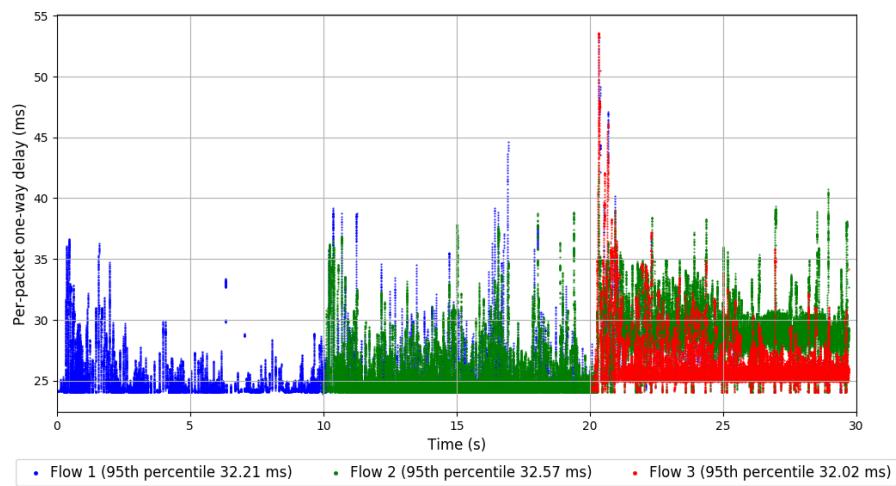
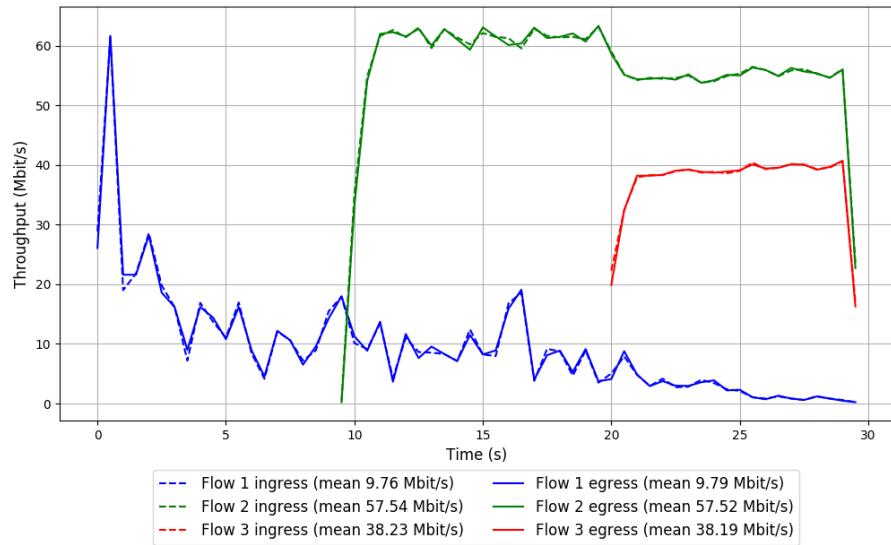


Run 8: Statistics of Indigo

```
Start at: 2017-09-07 23:56:01
End at: 2017-09-07 23:56:31
Local clock offset: -1.817 ms
Remote clock offset: -3.113 ms

# Below is generated by plot.py at 2017-09-08 04:36:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 32.468 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 32.210 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 32.569 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 32.021 ms
Loss rate: 0.37%
```

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

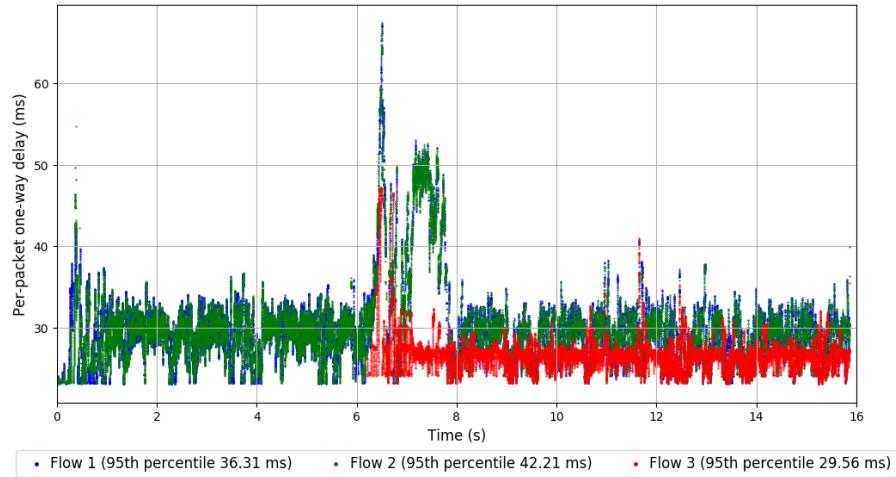
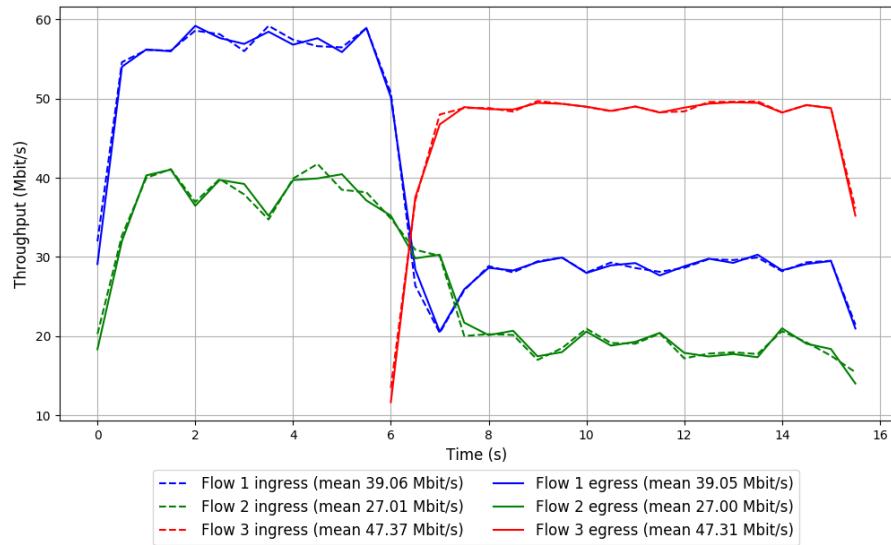
Start at: 2017-09-08 00:14:55

End at: 2017-09-08 00:15:25

Local clock offset: -3.993 ms

Remote clock offset: -4.438 ms

Run 9: Report of Indigo — Data Link

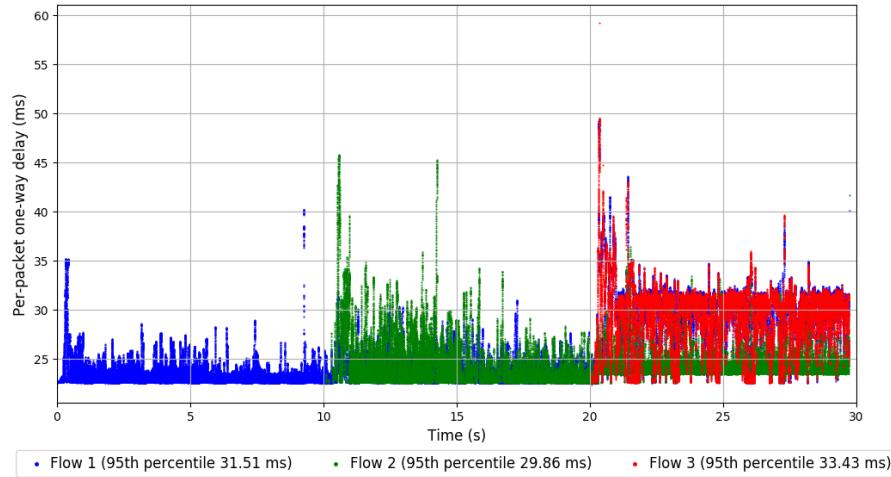
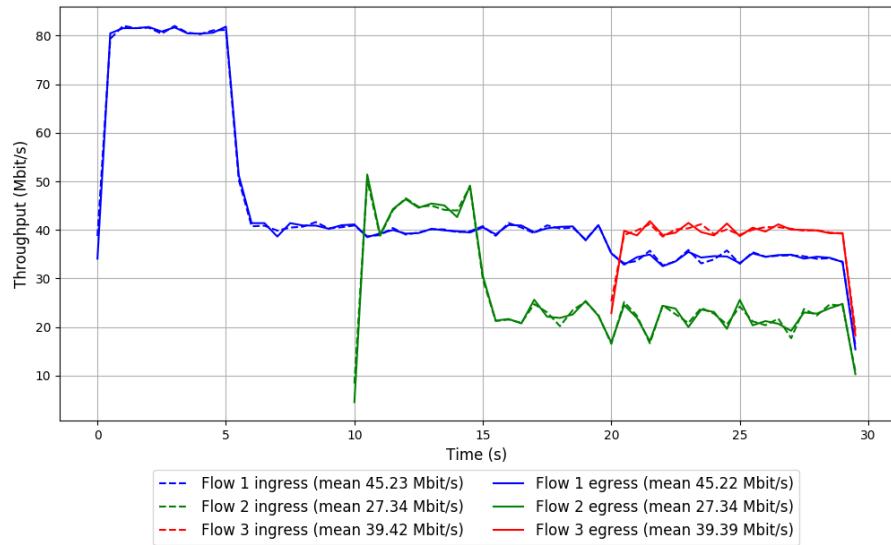


Run 10: Statistics of Indigo

```
Start at: 2017-09-08 00:34:00
End at: 2017-09-08 00:34:30
Local clock offset: -4.256 ms
Remote clock offset: -4.164 ms

# Below is generated by plot.py at 2017-09-08 04:36:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 31.593 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 31.511 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 29.865 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 33.433 ms
Loss rate: 0.42%
```

Run 10: Report of Indigo — Data Link

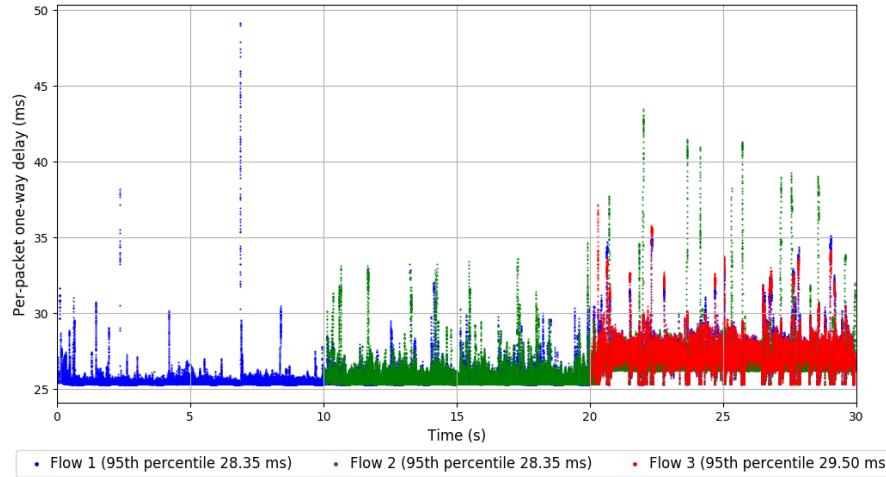
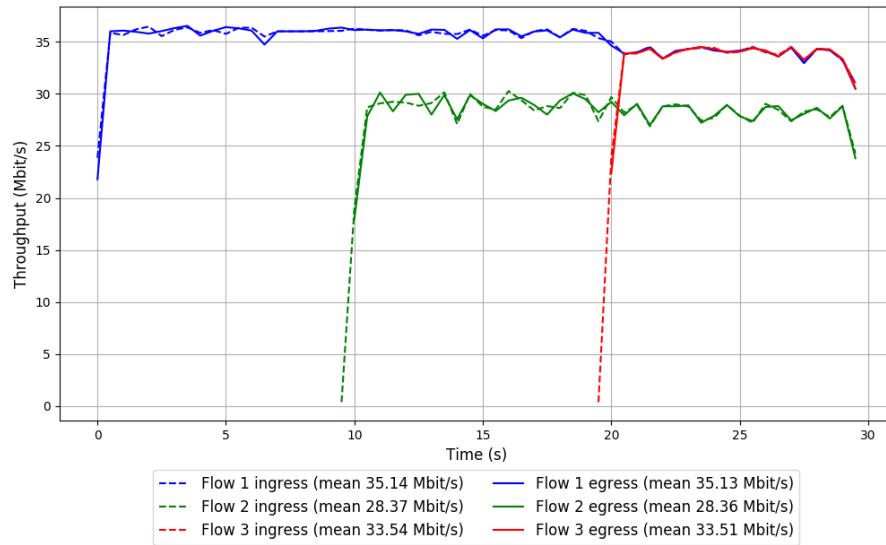


Run 1: Statistics of KohoCC

```
Start at: 2017-09-07 21:49:57
End at: 2017-09-07 21:50:27
Local clock offset: 1.616 ms
Remote clock offset: -3.888 ms

# Below is generated by plot.py at 2017-09-08 04:36:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.15 Mbit/s
95th percentile per-packet one-way delay: 28.602 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 28.354 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 28.347 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 29.500 ms
Loss rate: 0.36%
```

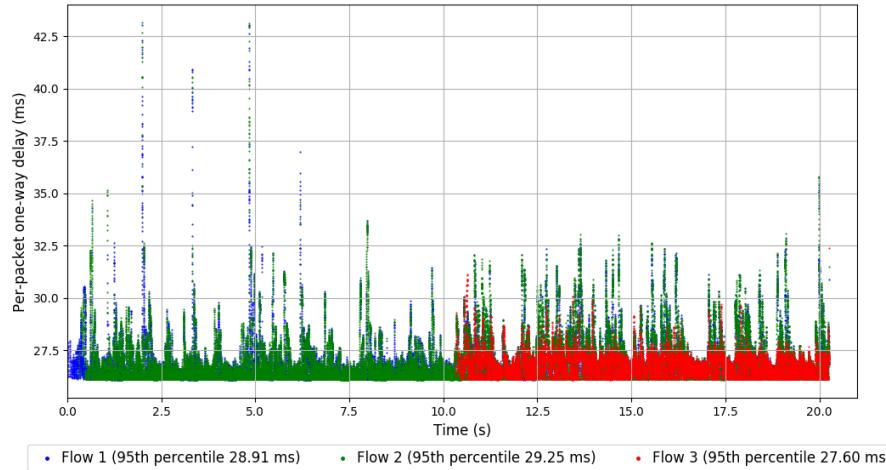
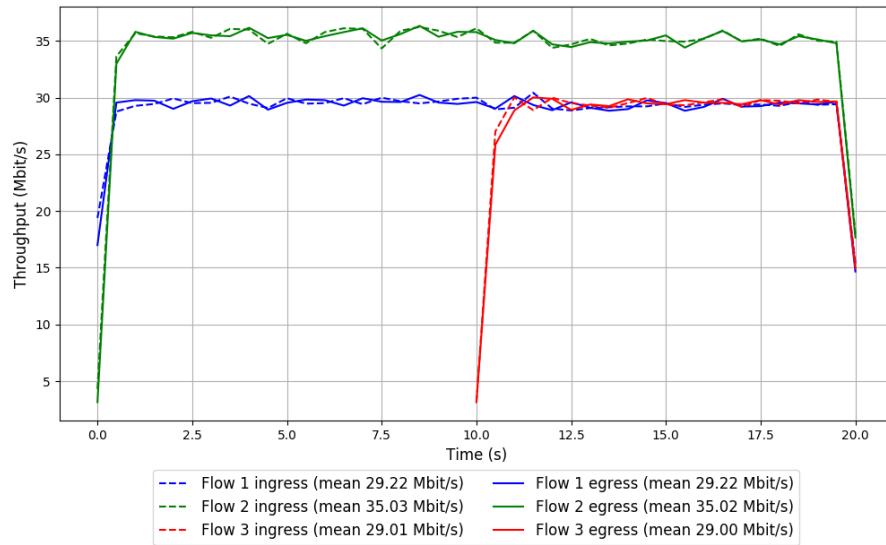
Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: 2017-09-07 22:08:15
End at: 2017-09-07 22:08:45
Local clock offset: 1.507 ms
Remote clock offset: -3.782 ms

Run 2: Report of KohoCC — Data Link

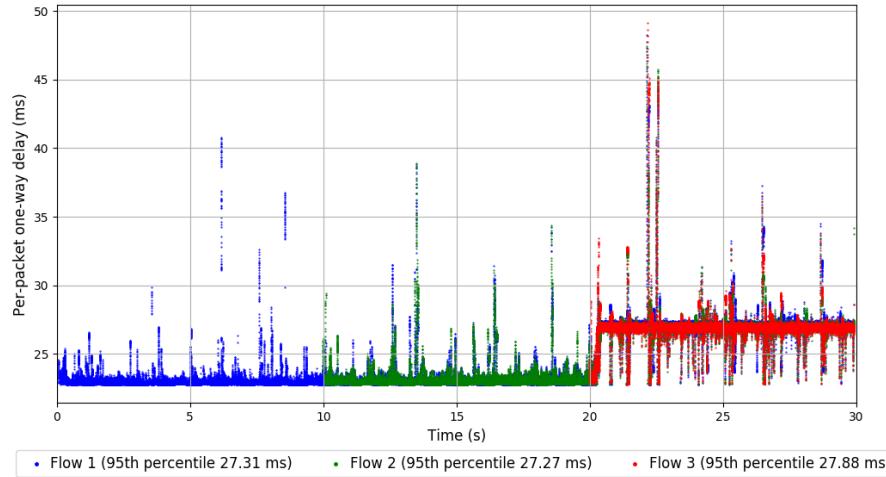
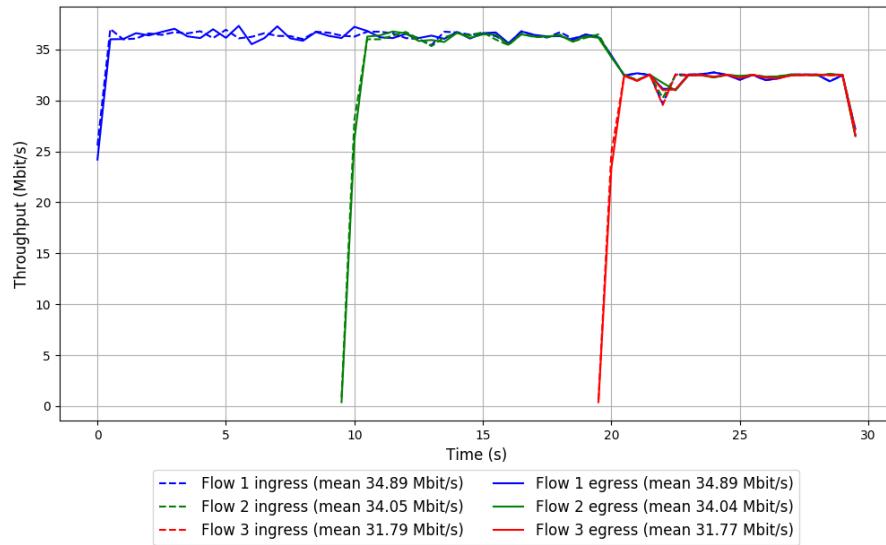


Run 3: Statistics of KohoCC

```
Start at: 2017-09-07 22:26:23
End at: 2017-09-07 22:26:53
Local clock offset: -1.854 ms
Remote clock offset: -3.079 ms

# Below is generated by plot.py at 2017-09-08 04:36:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 27.339 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 27.310 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 27.270 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 27.882 ms
Loss rate: 0.36%
```

Run 3: Report of KohoCC — Data Link

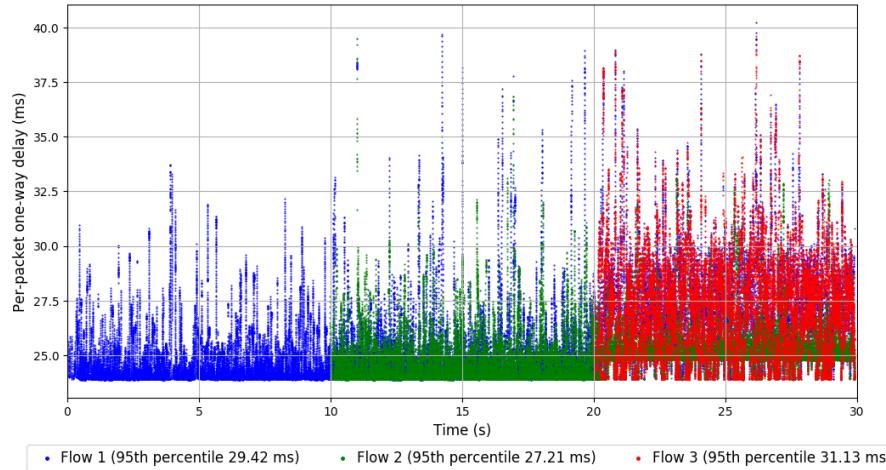
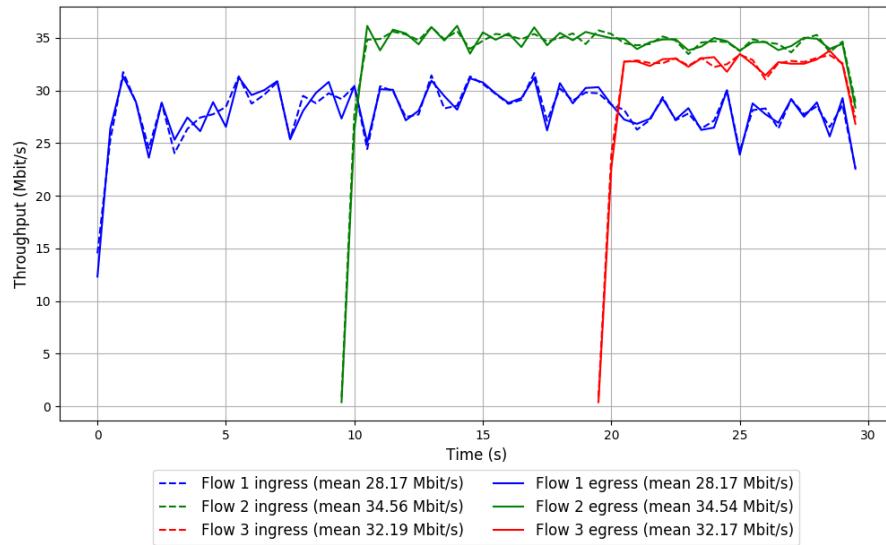


Run 4: Statistics of KohoCC

```
Start at: 2017-09-07 22:44:46
End at: 2017-09-07 22:45:16
Local clock offset: -1.512 ms
Remote clock offset: -3.538 ms

# Below is generated by plot.py at 2017-09-08 04:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.89 Mbit/s
95th percentile per-packet one-way delay: 29.474 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 28.17 Mbit/s
95th percentile per-packet one-way delay: 29.419 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.54 Mbit/s
95th percentile per-packet one-way delay: 27.211 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 31.127 ms
Loss rate: 0.37%
```

Run 4: Report of KohoCC — Data Link

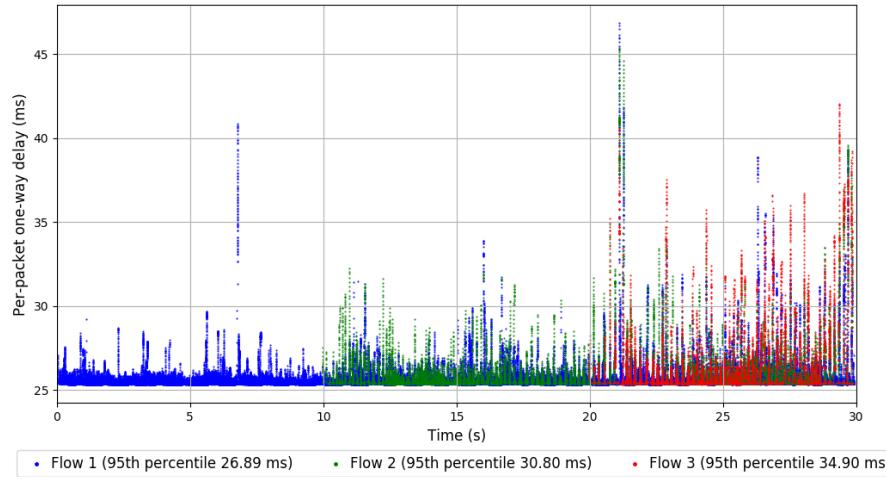
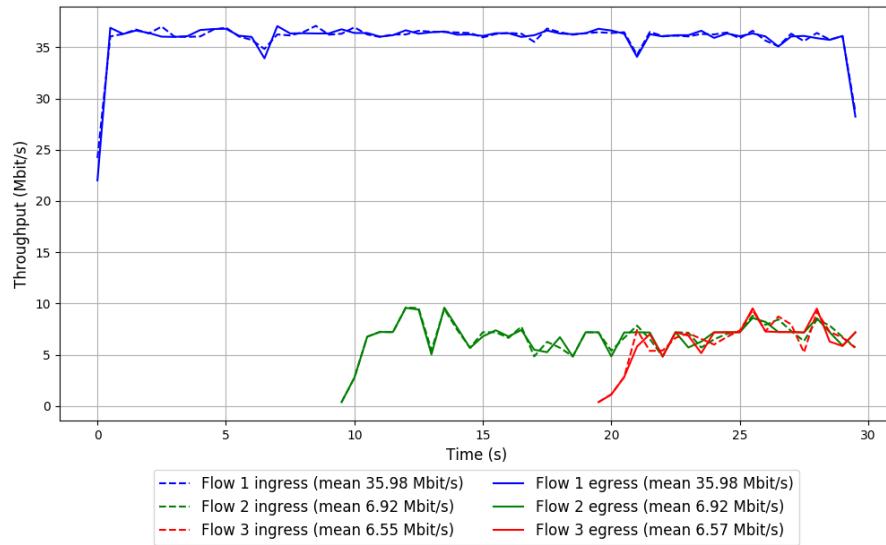


Run 5: Statistics of KohoCC

```
Start at: 2017-09-07 23:02:43
End at: 2017-09-07 23:03:13
Local clock offset: -0.12 ms
Remote clock offset: -3.319 ms

# Below is generated by plot.py at 2017-09-08 04:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 28.088 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 26.892 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 30.800 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 34.899 ms
Loss rate: 0.22%
```

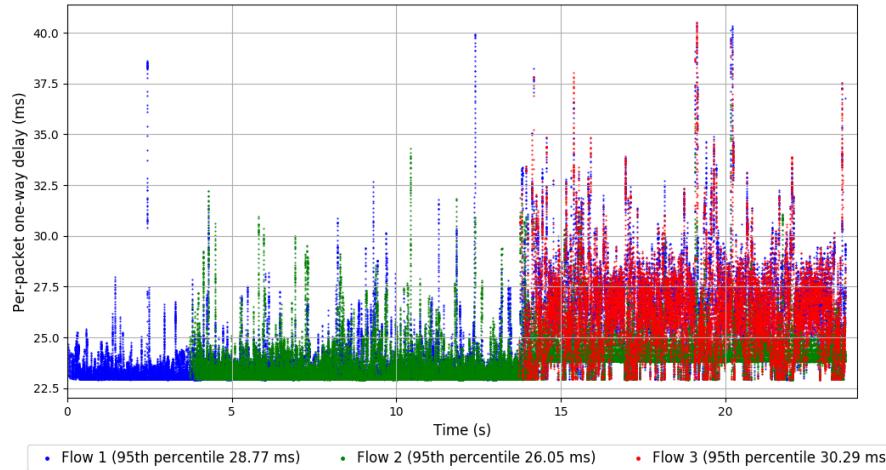
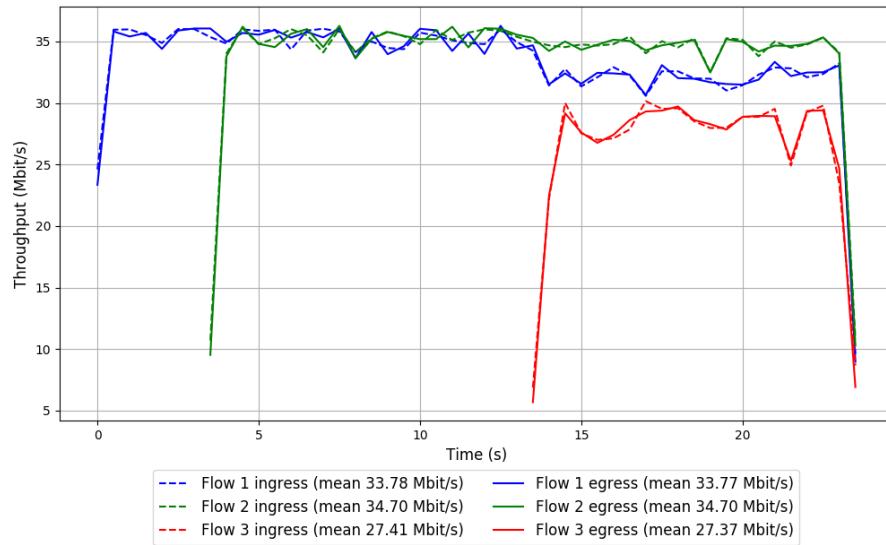
Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: 2017-09-07 23:20:40
End at: 2017-09-07 23:21:10
Local clock offset: -3.15 ms
Remote clock offset: -3.727 ms

Run 6: Report of KohoCC — Data Link

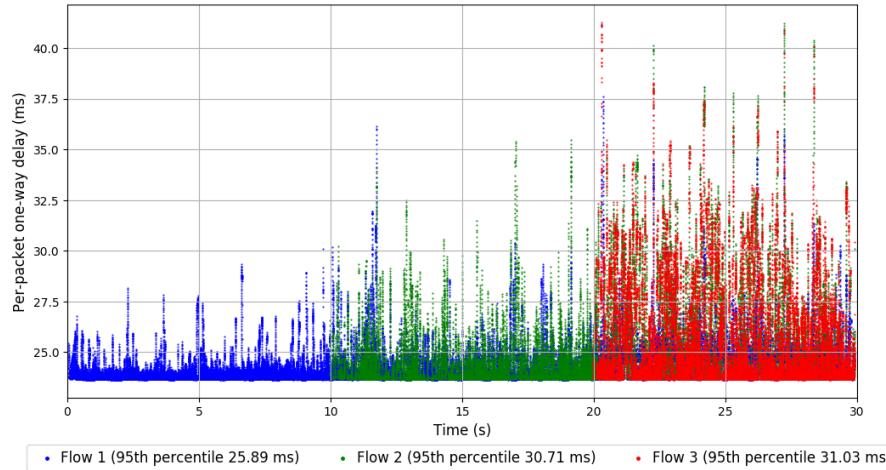
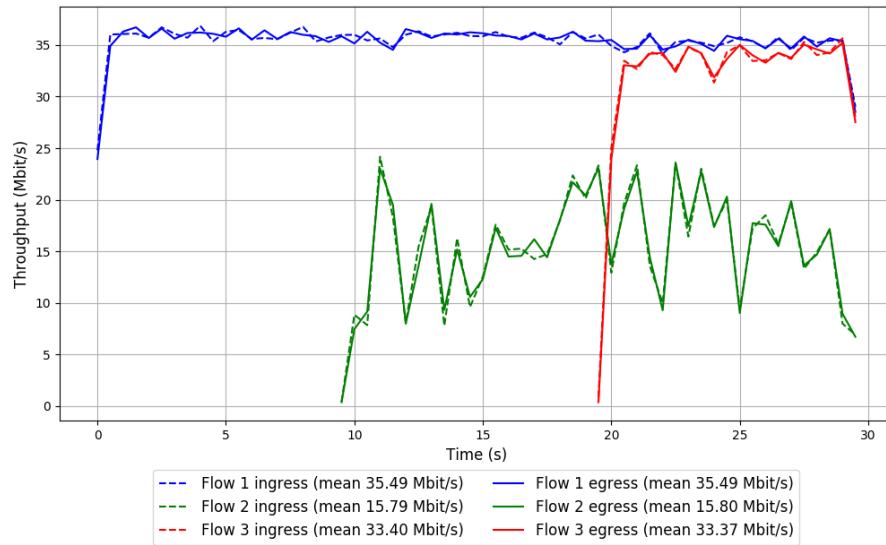


Run 7: Statistics of KohoCC

```
Start at: 2017-09-07 23:38:50
End at: 2017-09-07 23:39:20
Local clock offset: -2.09 ms
Remote clock offset: -3.258 ms

# Below is generated by plot.py at 2017-09-08 04:37:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 28.988 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 25.893 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 15.80 Mbit/s
95th percentile per-packet one-way delay: 30.710 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 31.027 ms
Loss rate: 0.35%
```

Run 7: Report of KohoCC — Data Link

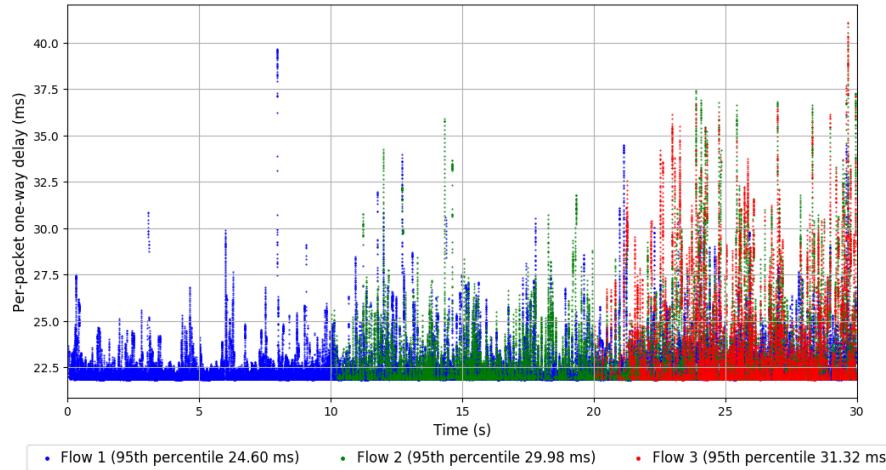
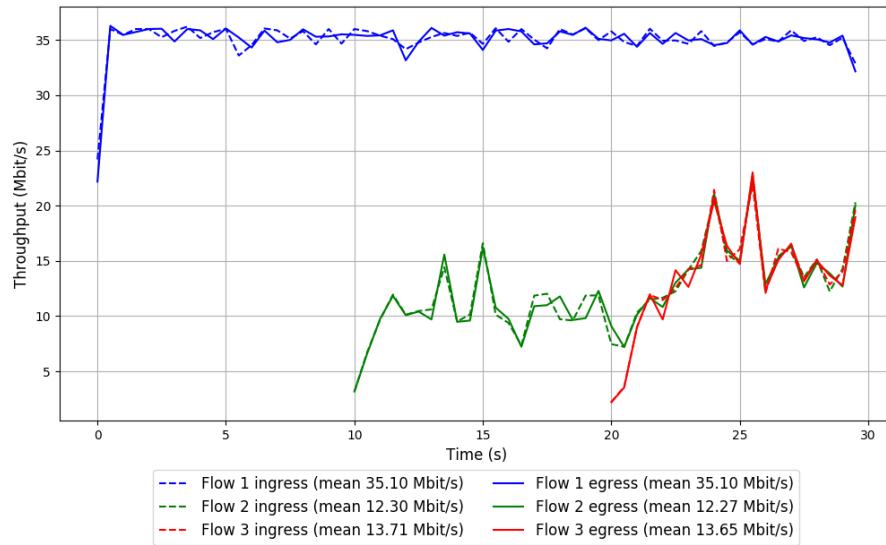


Run 8: Statistics of KohoCC

```
Start at: 2017-09-07 23:57:17
End at: 2017-09-07 23:57:47
Local clock offset: -3.487 ms
Remote clock offset: -2.6 ms

# Below is generated by plot.py at 2017-09-08 04:37:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 26.819 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 35.10 Mbit/s
95th percentile per-packet one-way delay: 24.602 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 29.977 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 31.320 ms
Loss rate: 0.70%
```

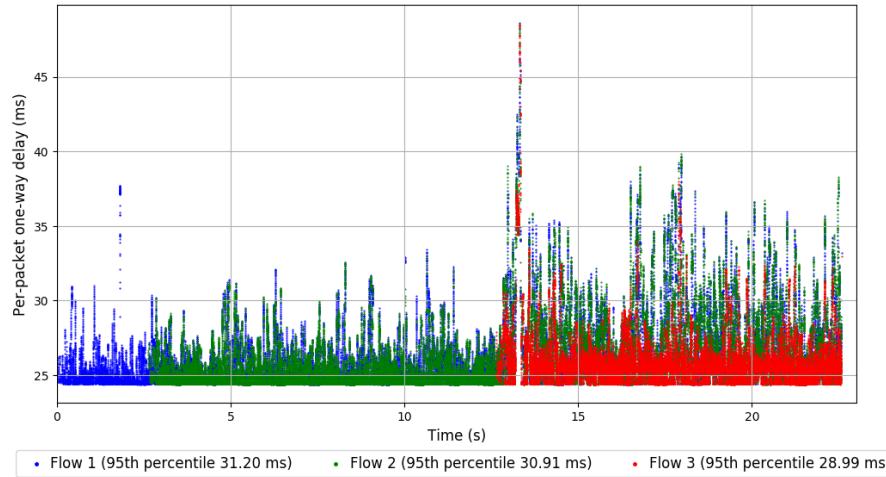
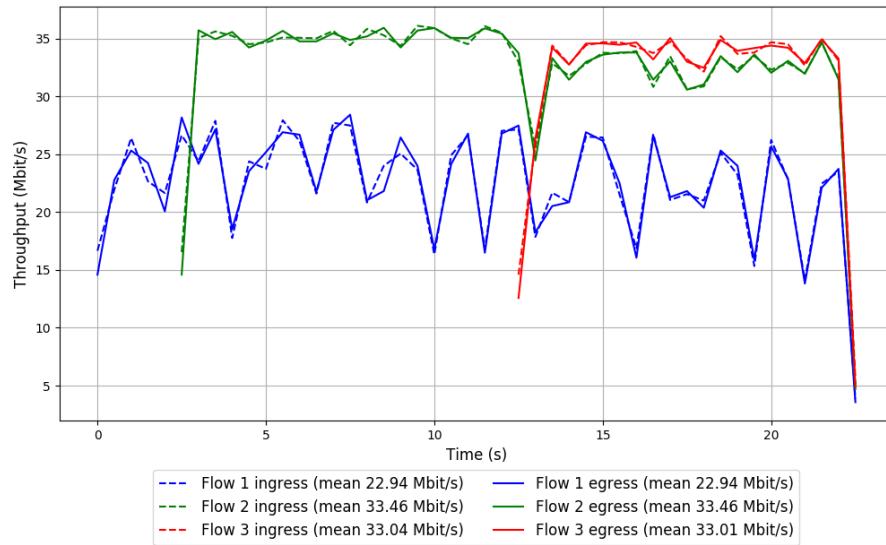
Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: 2017-09-08 00:16:09
End at: 2017-09-08 00:16:39
Local clock offset: -3.223 ms
Remote clock offset: -4.896 ms

Run 9: Report of KohoCC — Data Link

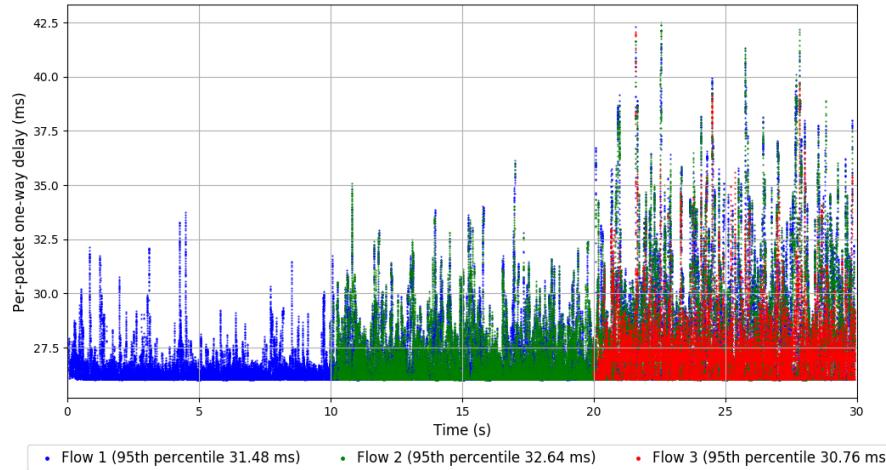
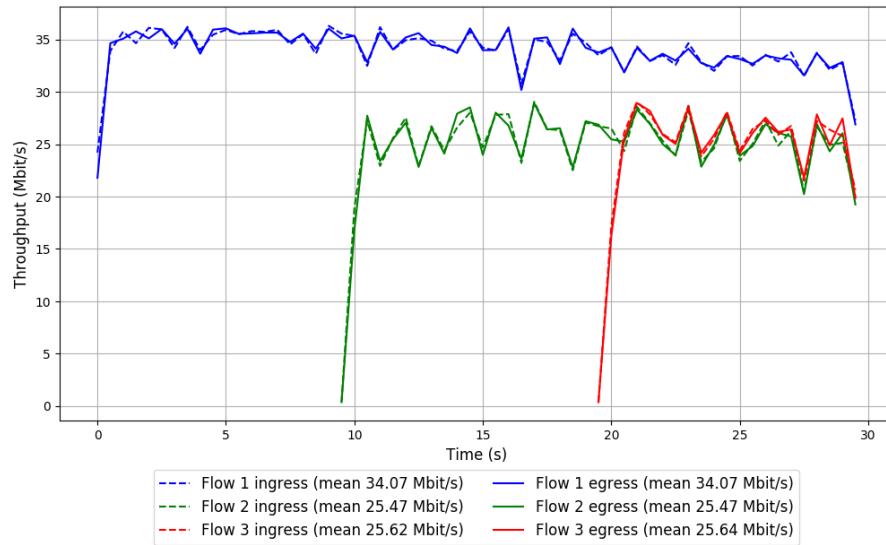


Run 10: Statistics of KohoCC

```
Start at: 2017-09-08 00:35:18
End at: 2017-09-08 00:35:48
Local clock offset: -0.619 ms
Remote clock offset: -4.026 ms

# Below is generated by plot.py at 2017-09-08 04:37:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 31.728 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 34.07 Mbit/s
95th percentile per-packet one-way delay: 31.477 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 32.640 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 0.26%
```

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: 2017-09-07 21:54:43
End at: 2017-09-07 21:55:13
Local clock offset: 1.586 ms
Remote clock offset: -3.837 ms

Run 1: Report of LEDBAT — Data Link

Figure is missing

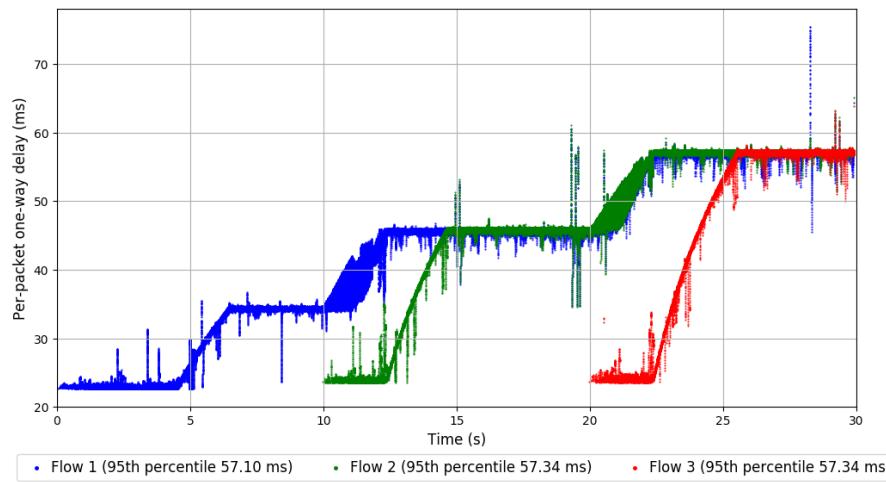
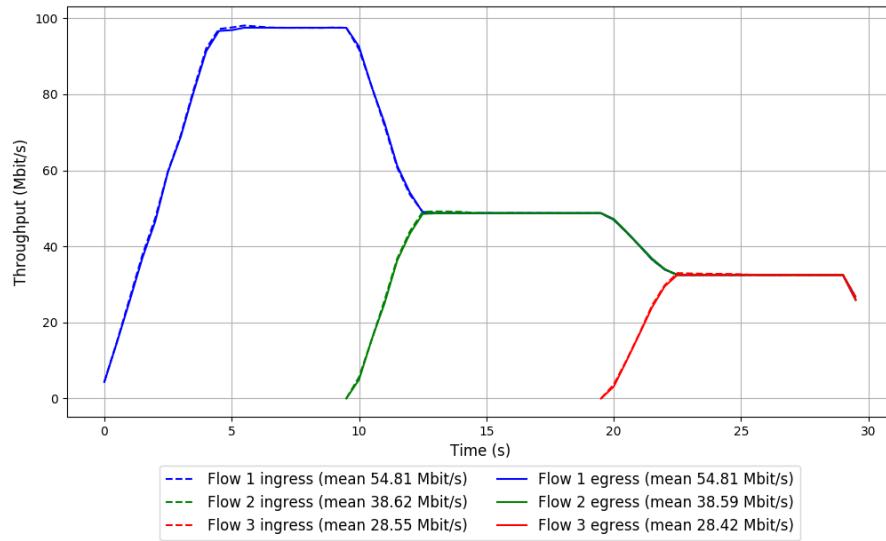
Figure is missing

Run 2: Statistics of LEDBAT

```
Start at: 2017-09-07 22:13:03
End at: 2017-09-07 22:13:33
Local clock offset: -1.601 ms
Remote clock offset: -3.311 ms

# Below is generated by plot.py at 2017-09-08 04:37:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 57.270 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 57.099 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: 57.345 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 28.42 Mbit/s
95th percentile per-packet one-way delay: 57.341 ms
Loss rate: 0.80%
```

Run 2: Report of LEDBAT — Data Link

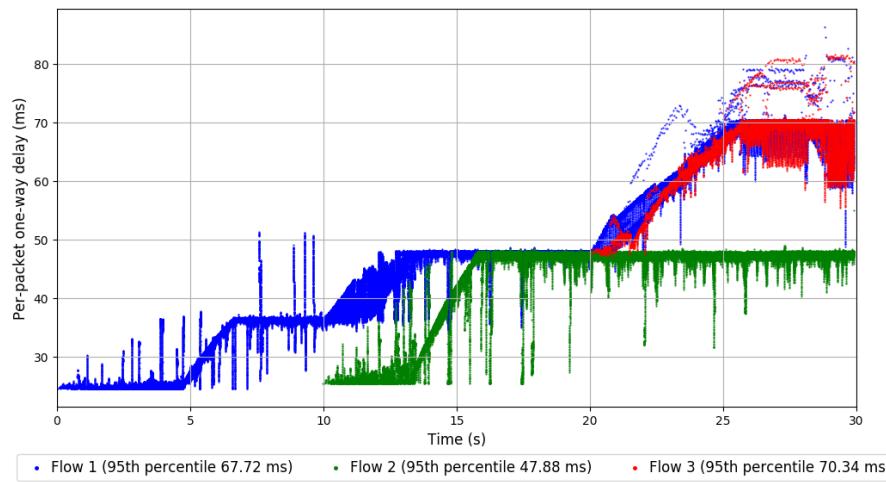
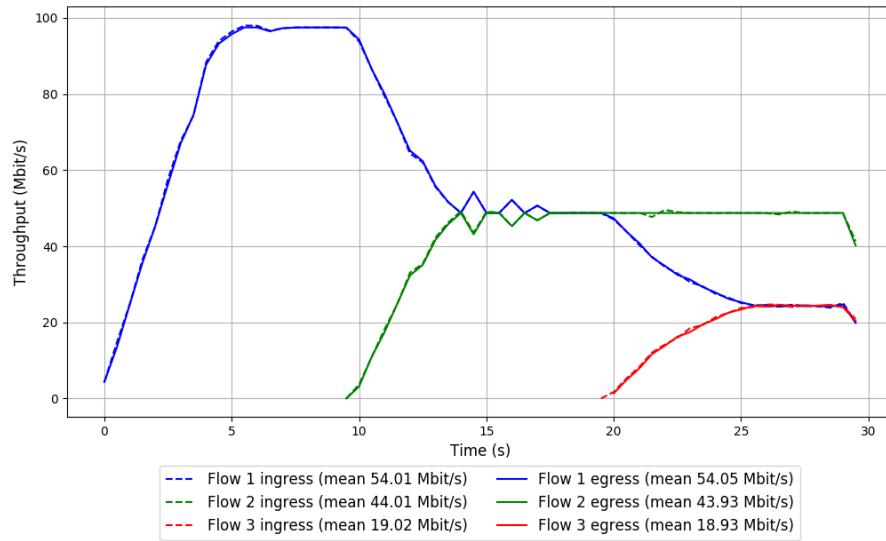


Run 3: Statistics of LEDBAT

```
Start at: 2017-09-07 22:31:18
End at: 2017-09-07 22:31:48
Local clock offset: -0.545 ms
Remote clock offset: -3.531 ms

# Below is generated by plot.py at 2017-09-08 04:37:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 68.458 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.05 Mbit/s
95th percentile per-packet one-way delay: 67.717 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 47.879 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 70.339 ms
Loss rate: 1.02%
```

Run 3: Report of LEDBAT — Data Link

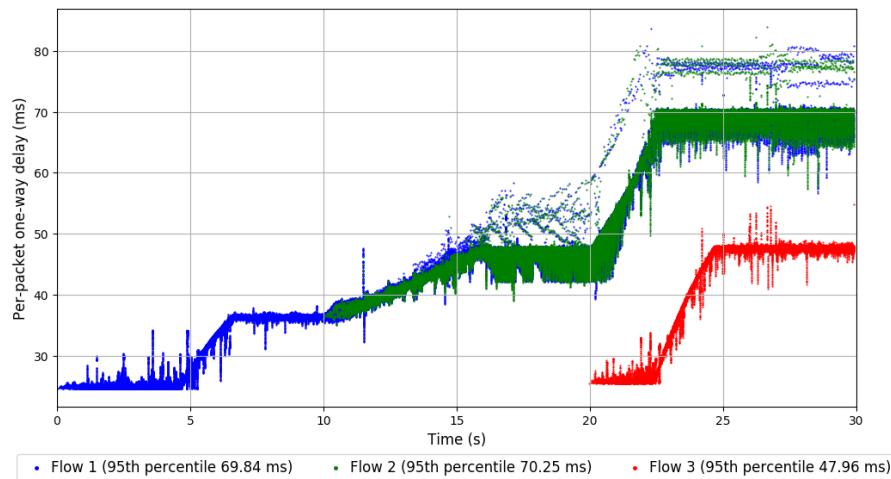
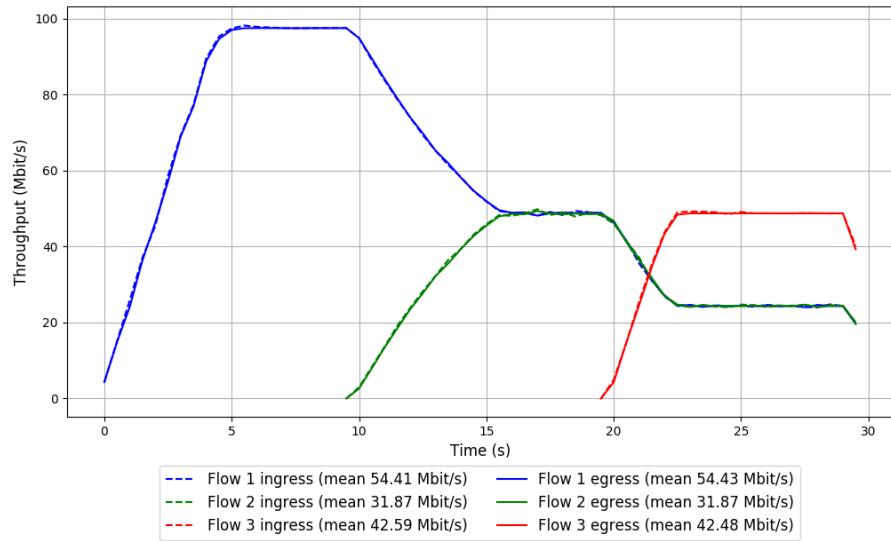


Run 4: Statistics of LEDBAT

```
Start at: 2017-09-07 22:49:34
End at: 2017-09-07 22:50:04
Local clock offset: -0.378 ms
Remote clock offset: -3.005 ms

# Below is generated by plot.py at 2017-09-08 04:37:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 70.044 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 69.841 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 70.252 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 47.956 ms
Loss rate: 0.64%
```

Run 4: Report of LEDBAT — Data Link

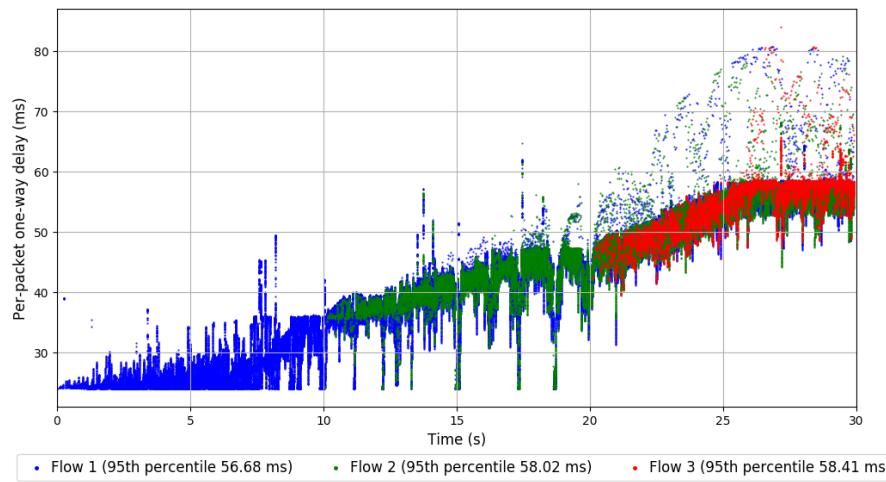
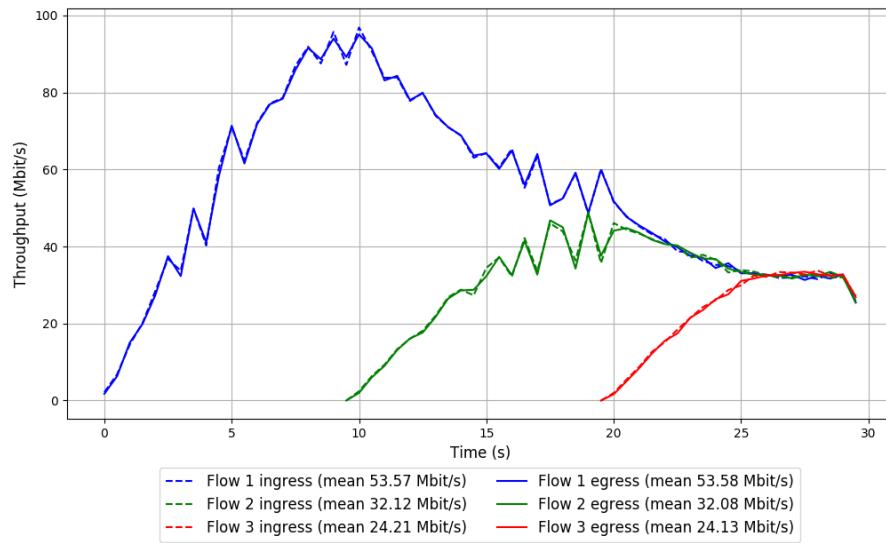


Run 5: Statistics of LEDBAT

```
Start at: 2017-09-07 23:07:33
End at: 2017-09-07 23:08:03
Local clock offset: -0.875 ms
Remote clock offset: -2.673 ms

# Below is generated by plot.py at 2017-09-08 04:37:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 58.013 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.58 Mbit/s
95th percentile per-packet one-way delay: 56.684 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 58.016 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 58.407 ms
Loss rate: 0.94%
```

Run 5: Report of LEDBAT — Data Link

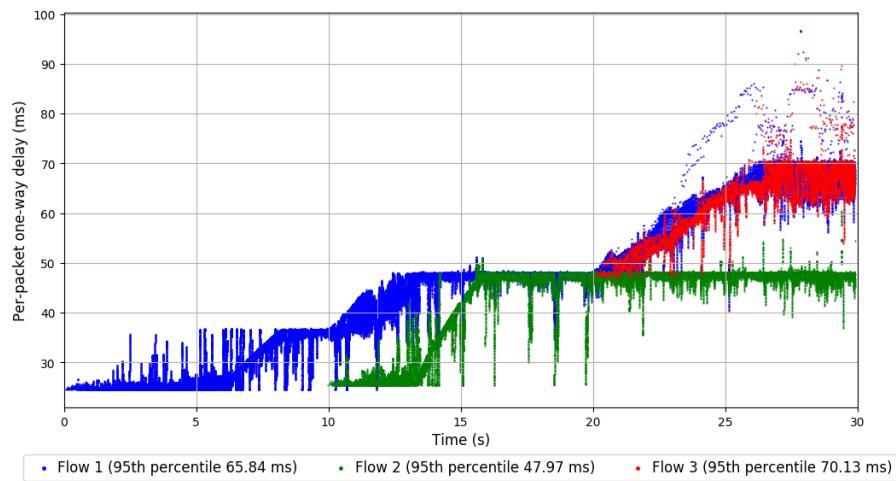
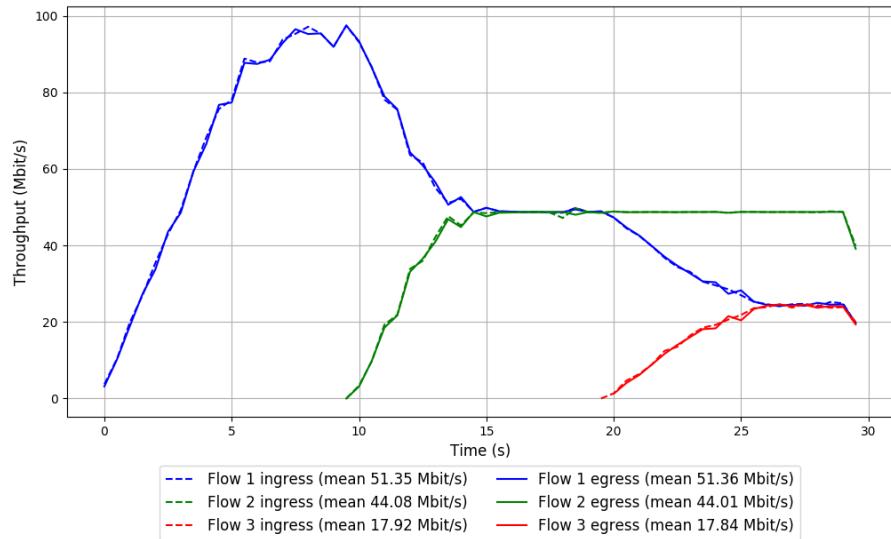


Run 6: Statistics of LEDBAT

```
Start at: 2017-09-07 23:25:33
End at: 2017-09-07 23:26:03
Local clock offset: -1.464 ms
Remote clock offset: -3.778 ms

# Below is generated by plot.py at 2017-09-08 04:37:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 66.138 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 65.843 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: 47.967 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 17.84 Mbit/s
95th percentile per-packet one-way delay: 70.133 ms
Loss rate: 1.07%
```

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-09-07 23:43:40
End at: 2017-09-07 23:44:10
Local clock offset: -0.919 ms
Remote clock offset: -3.418 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2017-09-08 00:02:26
End at: 2017-09-08 00:02:56
Local clock offset: -1.224 ms
Remote clock offset: -4.282 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

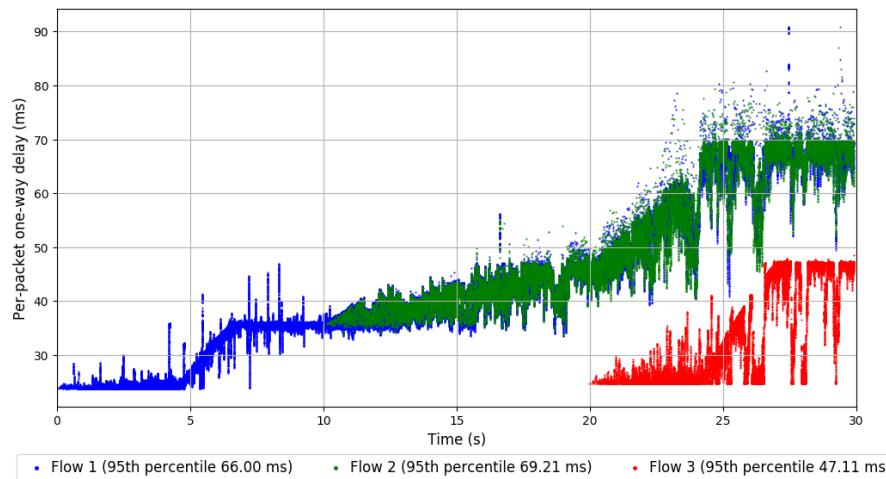
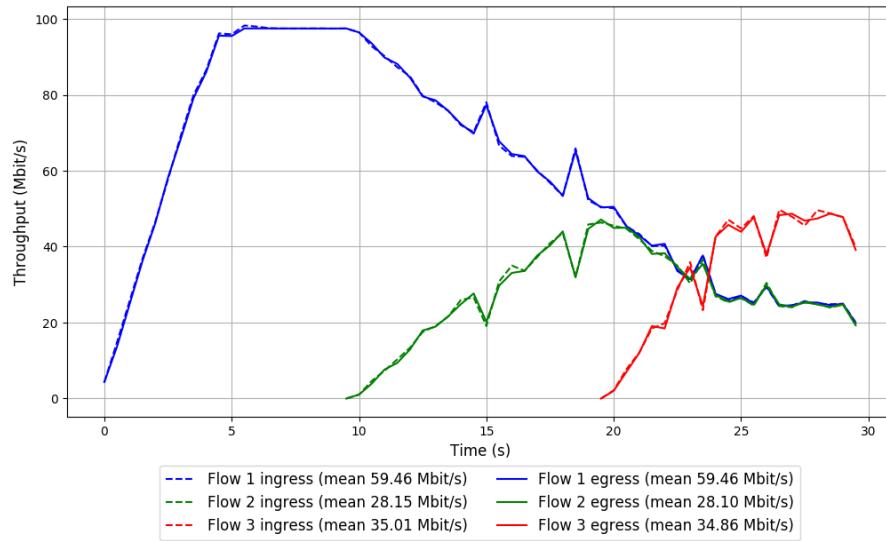
Figure is missing

Run 9: Statistics of LEDBAT

```
Start at: 2017-09-08 00:21:12
End at: 2017-09-08 00:21:42
Local clock offset: -3.529 ms
Remote clock offset: -4.743 ms

# Below is generated by plot.py at 2017-09-08 04:37:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 67.624 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 66.005 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 28.10 Mbit/s
95th percentile per-packet one-way delay: 69.208 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 47.109 ms
Loss rate: 0.76%
```

Run 9: Report of LEDBAT — Data Link

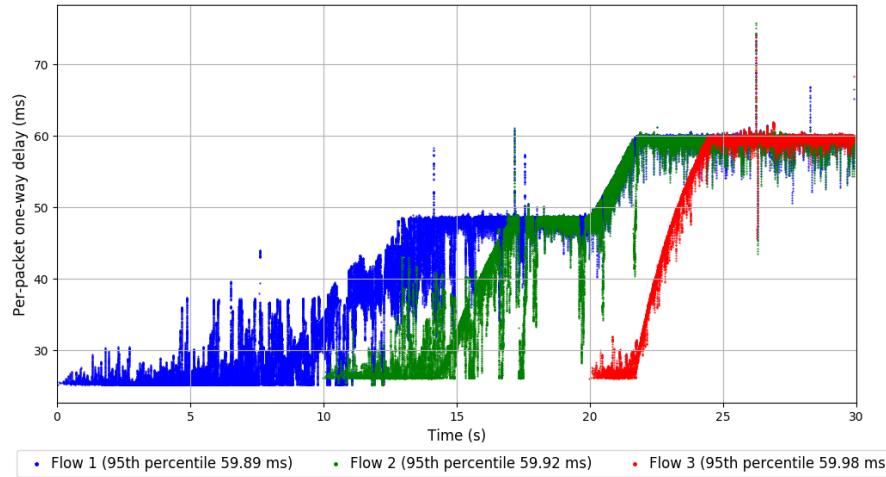
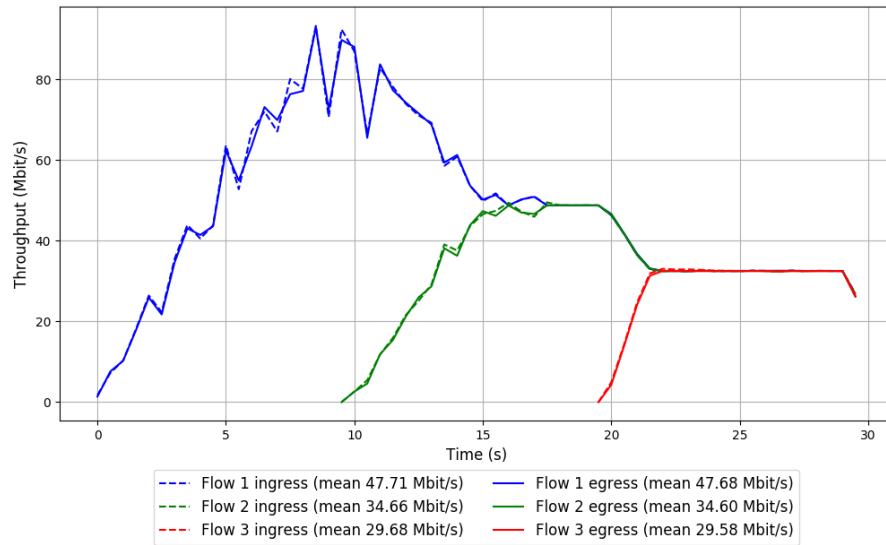


Run 10: Statistics of LEDBAT

```
Start at: 2017-09-08 00:40:21
End at: 2017-09-08 00:40:51
Local clock offset: -2.359 ms
Remote clock offset: -4.963 ms

# Below is generated by plot.py at 2017-09-08 04:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 59.915 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 59.888 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 59.920 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 59.976 ms
Loss rate: 0.74%
```

Run 10: Report of LEDBAT — Data Link

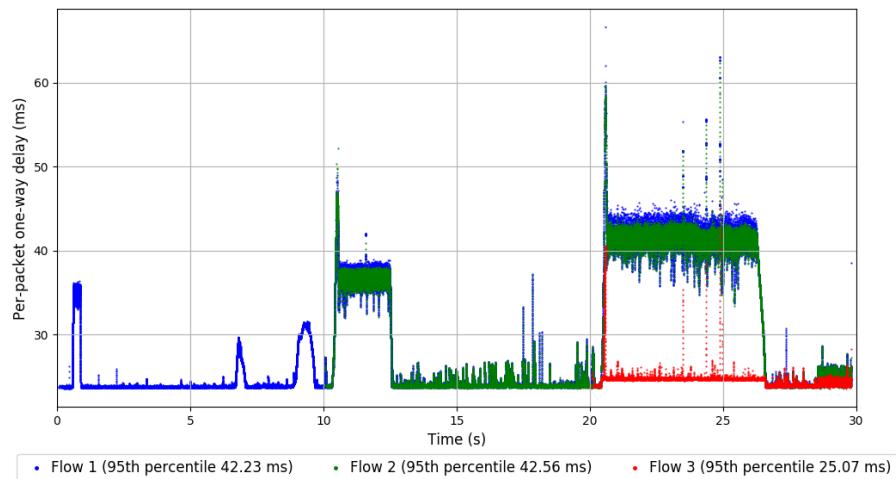
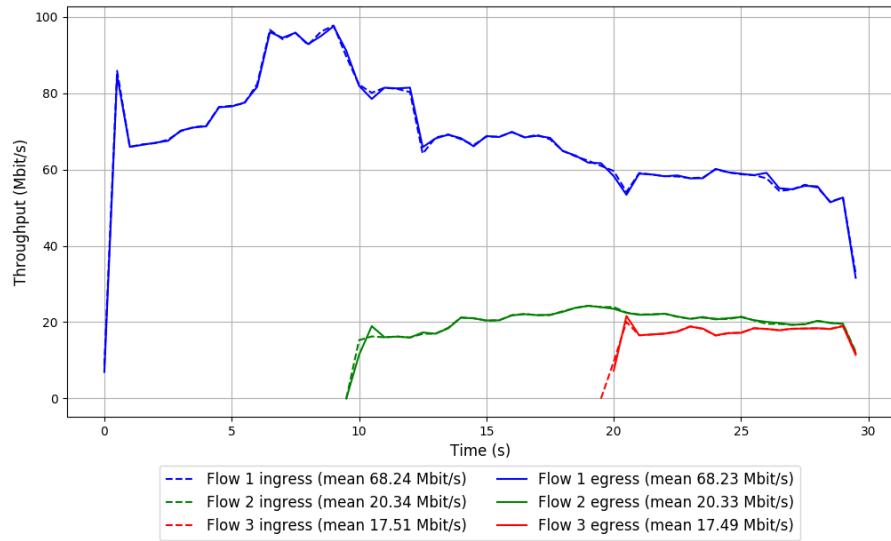


Run 1: Statistics of PCC

```
Start at: 2017-09-07 22:00:42
End at: 2017-09-07 22:01:12
Local clock offset: 0.724 ms
Remote clock offset: -2.738 ms

# Below is generated by plot.py at 2017-09-08 04:38:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.52 Mbit/s
95th percentile per-packet one-way delay: 42.255 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 68.23 Mbit/s
95th percentile per-packet one-way delay: 42.225 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 42.559 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 25.073 ms
Loss rate: 0.38%
```

Run 1: Report of PCC — Data Link

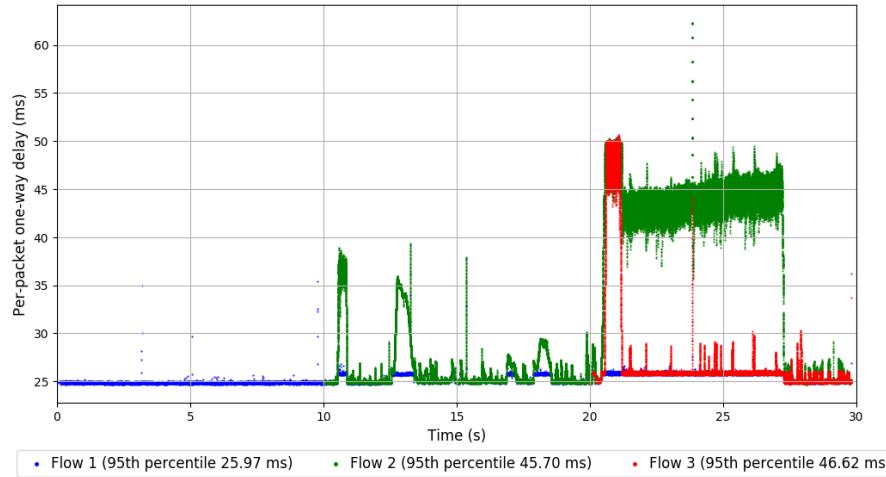
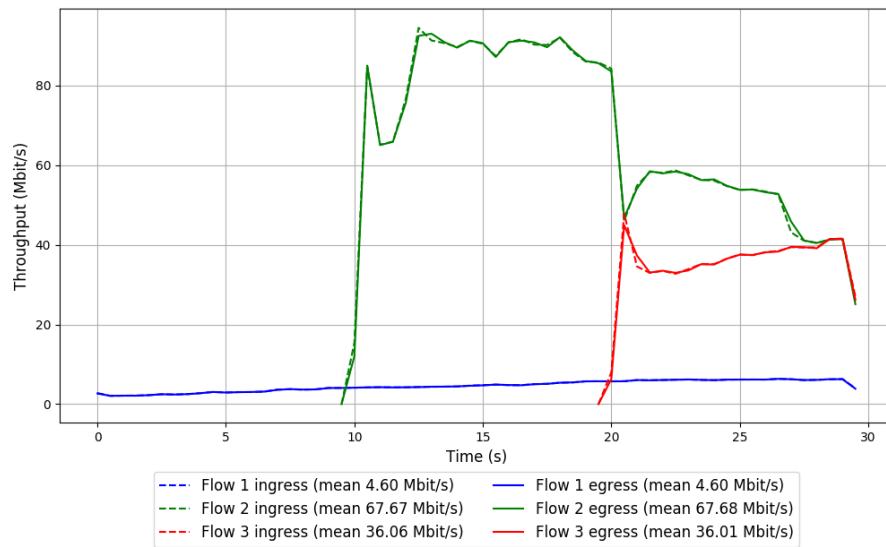


Run 2: Statistics of PCC

```
Start at: 2017-09-07 22:19:07
End at: 2017-09-07 22:19:37
Local clock offset: 0.123 ms
Remote clock offset: -3.427 ms

# Below is generated by plot.py at 2017-09-08 04:38:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.54 Mbit/s
95th percentile per-packet one-way delay: 45.612 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 25.972 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 45.698 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 46.621 ms
Loss rate: 0.41%
```

Run 2: Report of PCC — Data Link

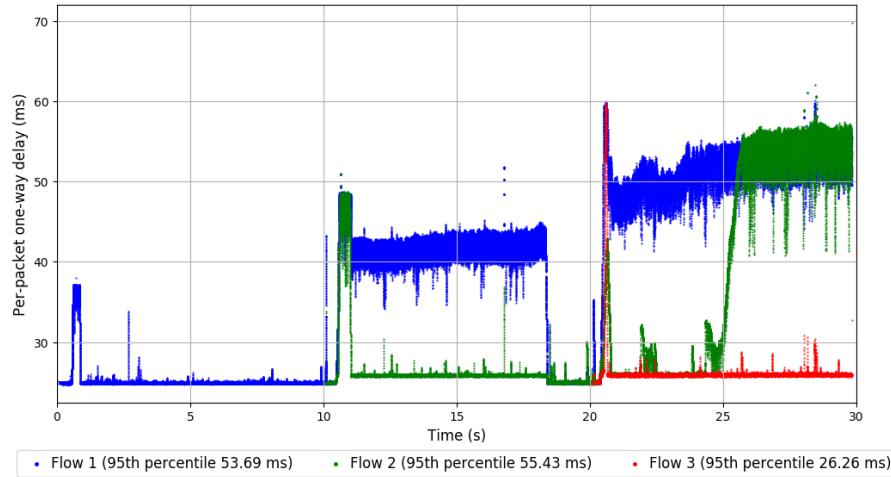
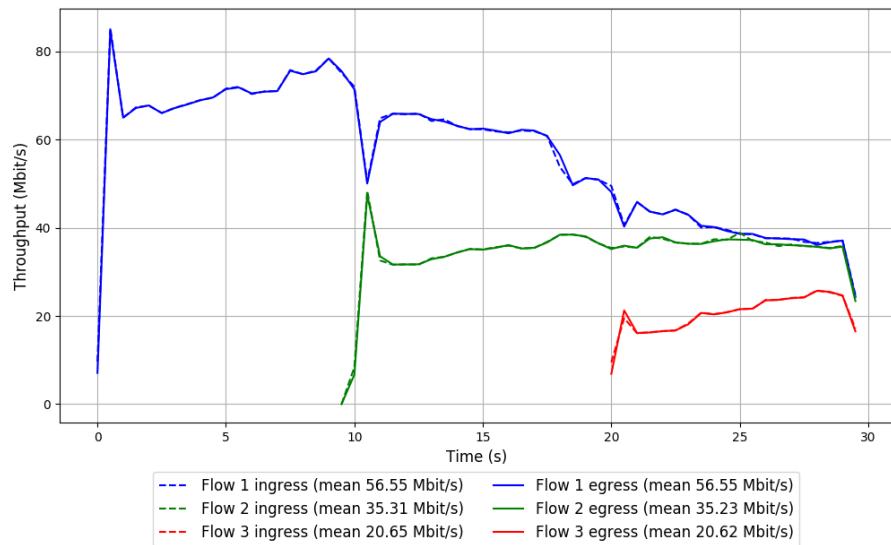


Run 3: Statistics of PCC

```
Start at: 2017-09-07 22:37:22
End at: 2017-09-07 22:37:52
Local clock offset: 0.058 ms
Remote clock offset: -3.077 ms

# Below is generated by plot.py at 2017-09-08 04:38:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.76 Mbit/s
95th percentile per-packet one-way delay: 54.292 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 53.691 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 55.433 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 26.258 ms
Loss rate: 0.45%
```

Run 3: Report of PCC — Data Link

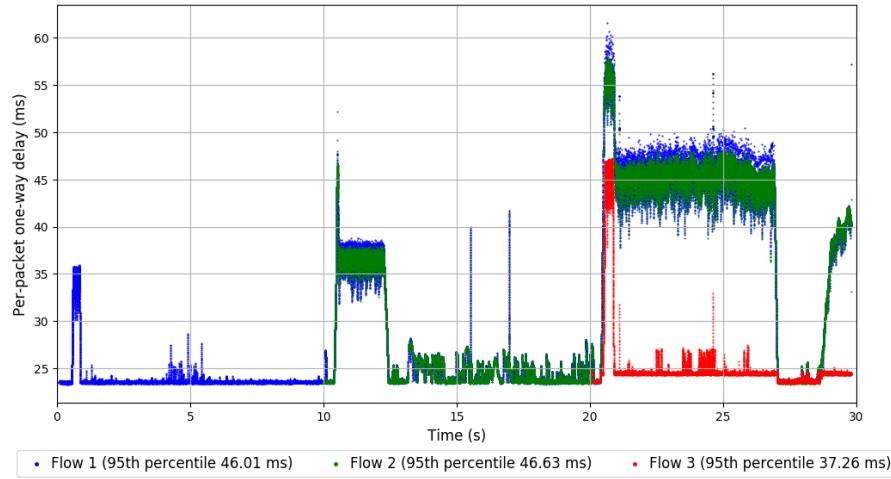
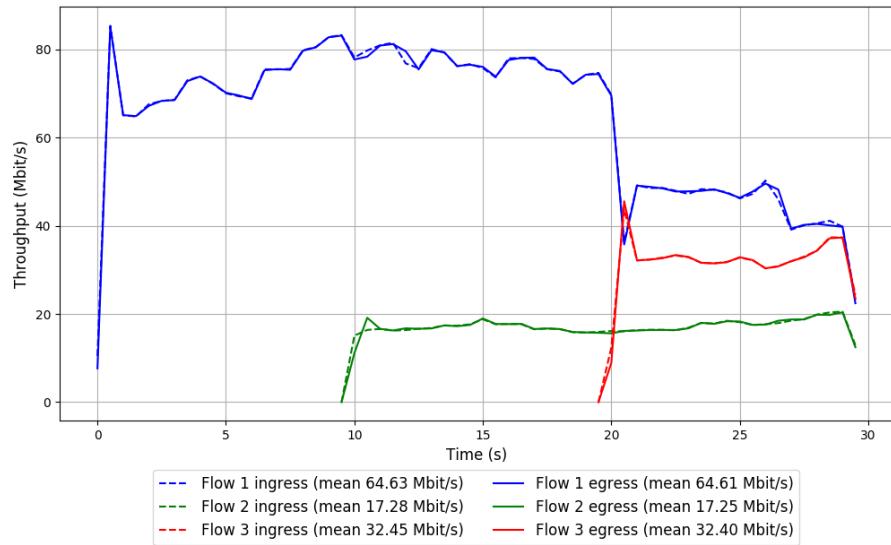


Run 4: Statistics of PCC

```
Start at: 2017-09-07 22:55:28
End at: 2017-09-07 22:55:58
Local clock offset: -2.627 ms
Remote clock offset: -4.113 ms

# Below is generated by plot.py at 2017-09-08 04:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.76 Mbit/s
95th percentile per-packet one-way delay: 46.039 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 46.006 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 46.634 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 37.263 ms
Loss rate: 0.42%
```

Run 4: Report of PCC — Data Link

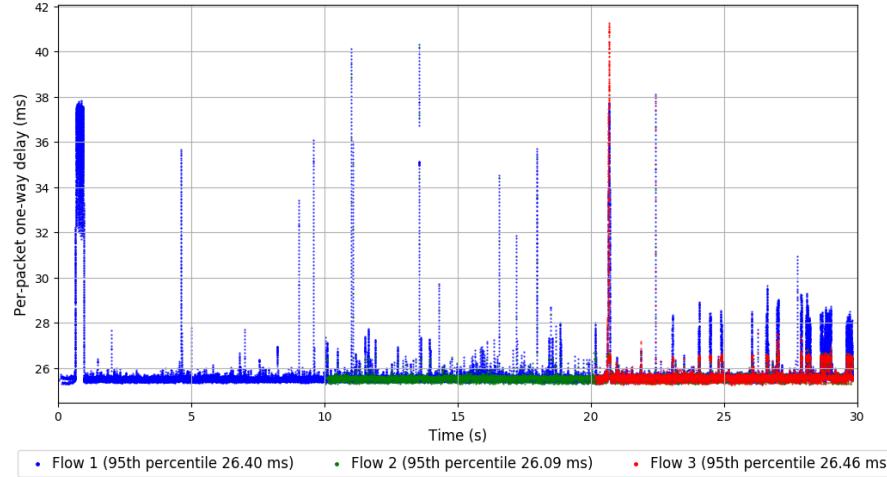
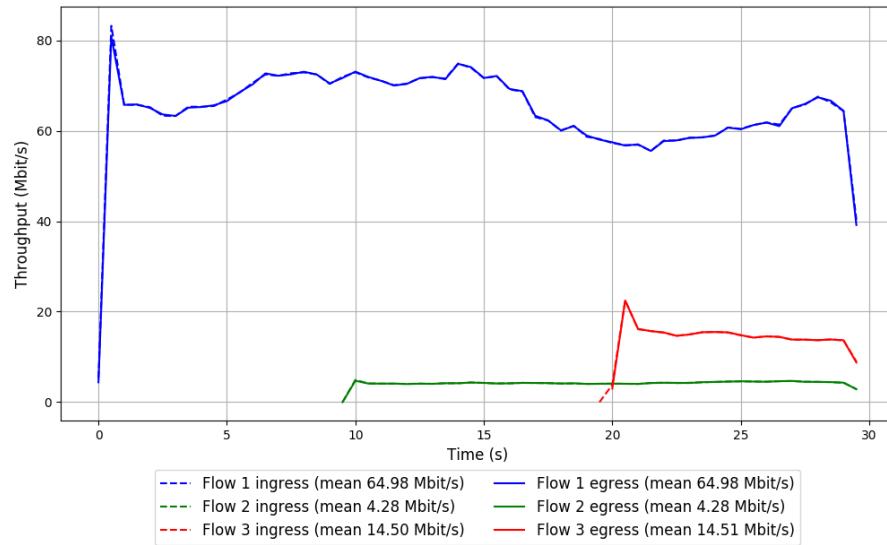


Run 5: Statistics of PCC

```
Start at: 2017-09-07 23:13:24
End at: 2017-09-07 23:13:54
Local clock offset: 0.004 ms
Remote clock offset: -3.263 ms

# Below is generated by plot.py at 2017-09-08 04:38:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: 26.416 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 26.401 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 26.085 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 14.51 Mbit/s
95th percentile per-packet one-way delay: 26.464 ms
Loss rate: 0.31%
```

Run 5: Report of PCC — Data Link

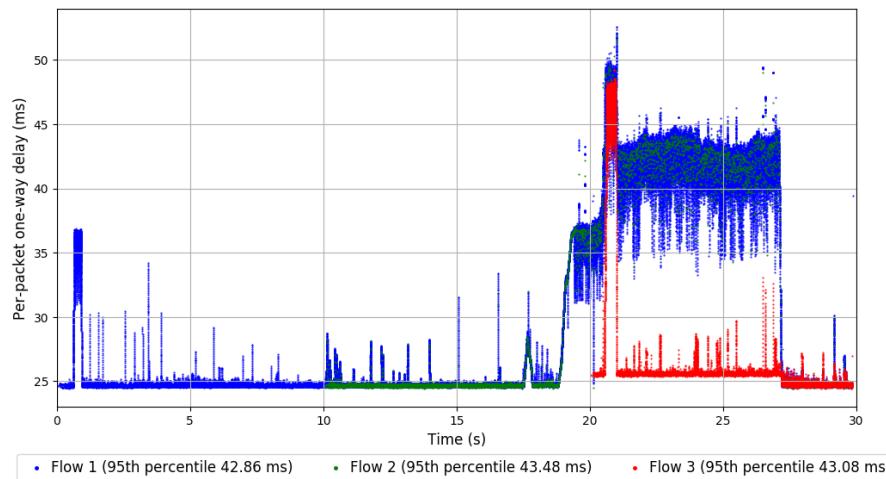
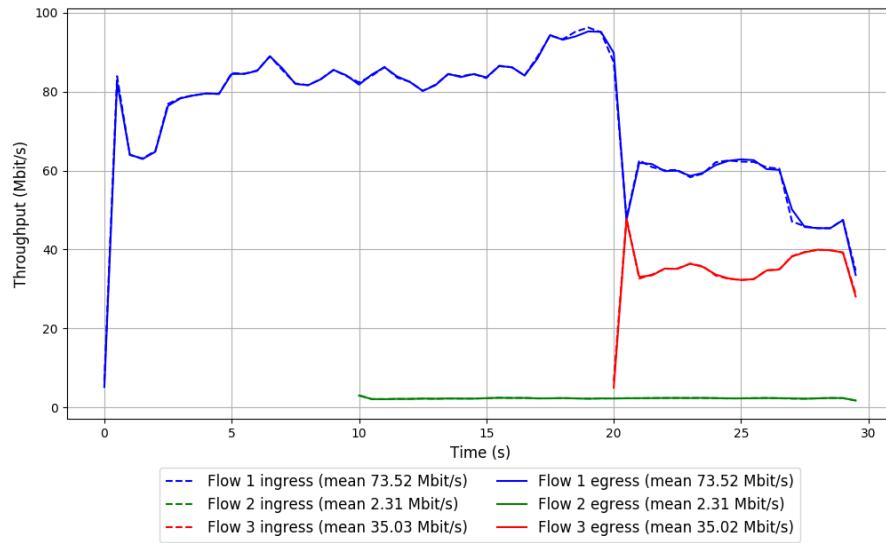


Run 6: Statistics of PCC

```
Start at: 2017-09-07 23:31:33
End at: 2017-09-07 23:32:04
Local clock offset: -1.461 ms
Remote clock offset: -3.917 ms

# Below is generated by plot.py at 2017-09-08 04:38:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 42.887 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 73.52 Mbit/s
95th percentile per-packet one-way delay: 42.860 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 43.478 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 43.078 ms
Loss rate: 0.38%
```

Run 6: Report of PCC — Data Link

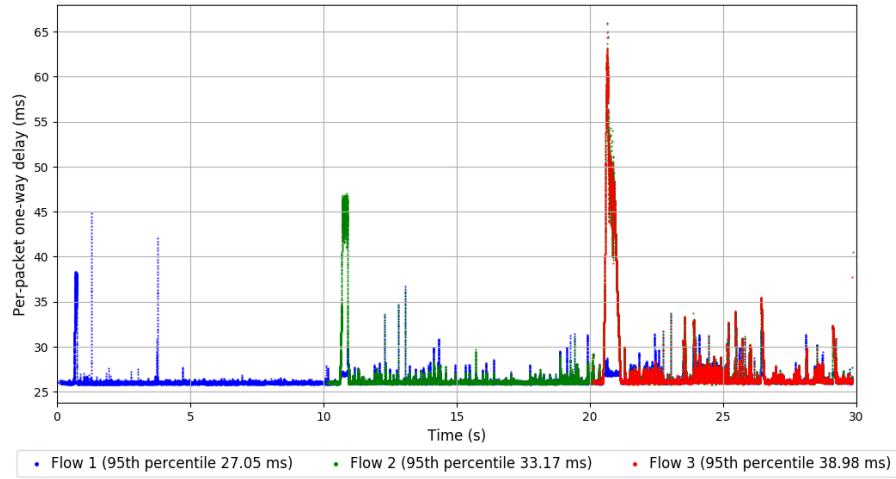
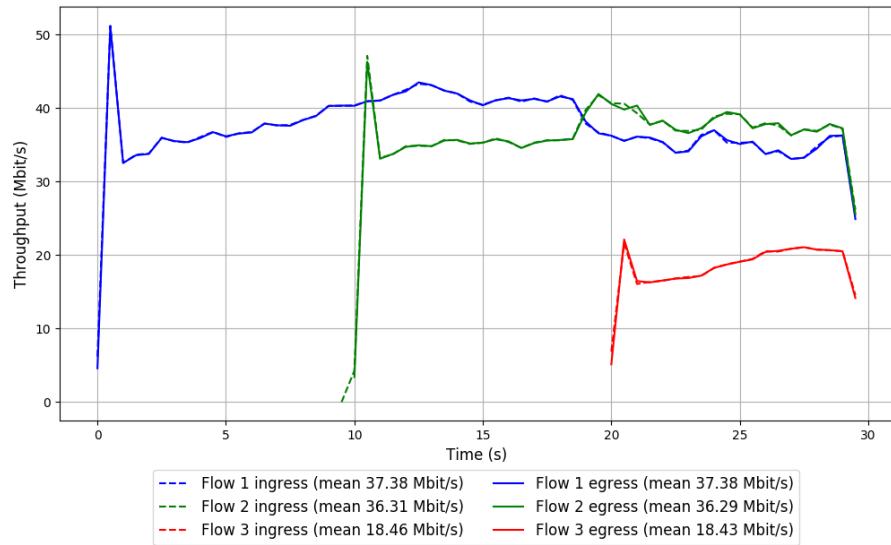


Run 7: Statistics of PCC

```
Start at: 2017-09-07 23:49:37
End at: 2017-09-07 23:50:07
Local clock offset: -0.279 ms
Remote clock offset: -3.649 ms

# Below is generated by plot.py at 2017-09-08 04:38:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 28.706 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 27.047 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 33.174 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 18.43 Mbit/s
95th percentile per-packet one-way delay: 38.975 ms
Loss rate: 0.40%
```

Run 7: Report of PCC — Data Link

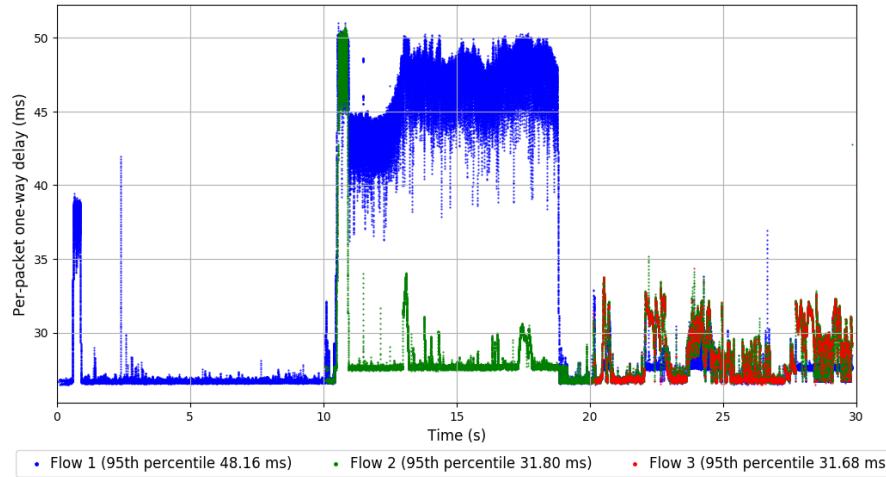
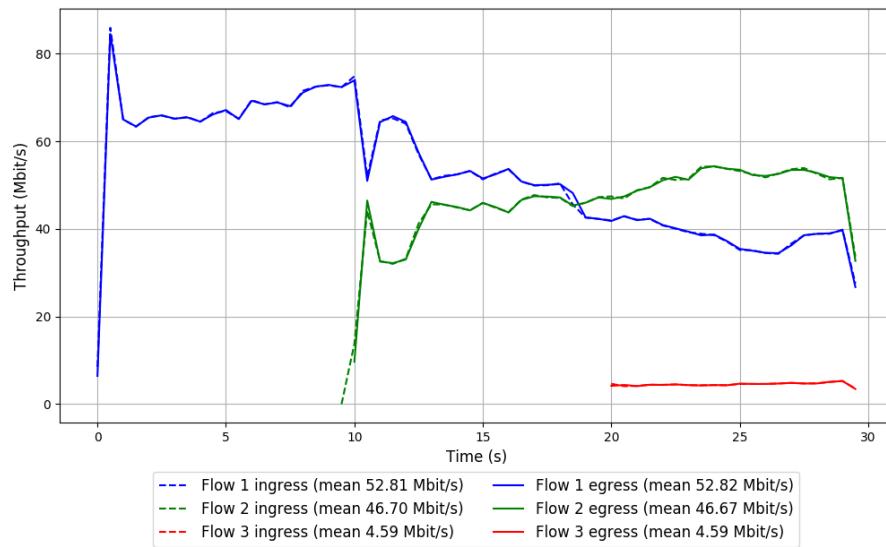


Run 8: Statistics of PCC

```
Start at: 2017-09-08 00:08:37
End at: 2017-09-08 00:09:07
Local clock offset: -0.593 ms
Remote clock offset: -4.594 ms

# Below is generated by plot.py at 2017-09-08 04:38:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 47.653 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.82 Mbit/s
95th percentile per-packet one-way delay: 48.160 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 31.803 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 31.682 ms
Loss rate: 0.43%
```

Run 8: Report of PCC — Data Link

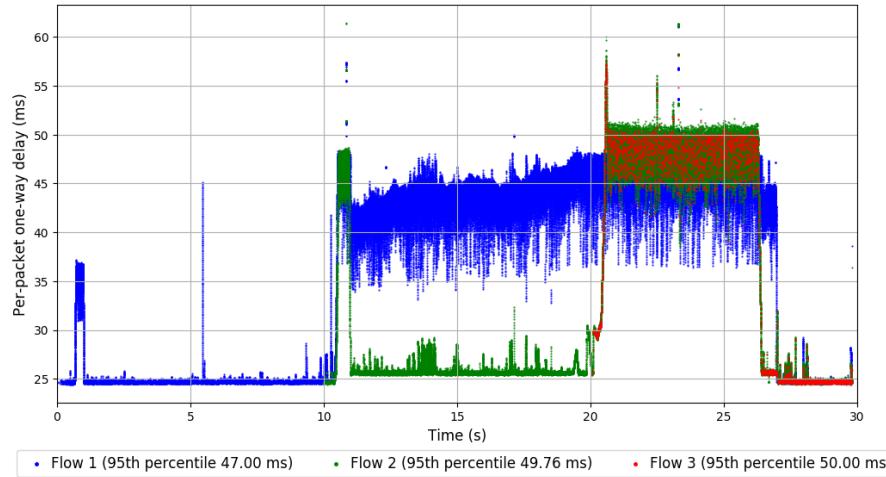
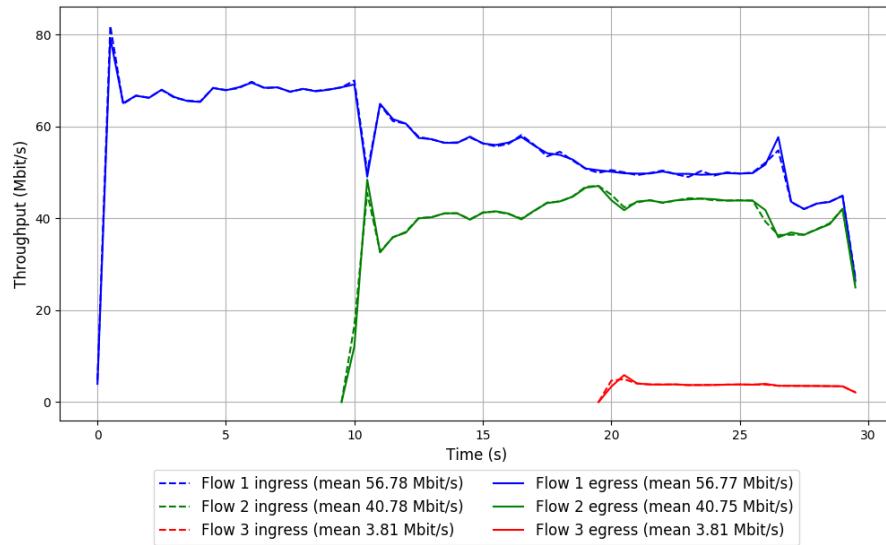


Run 9: Statistics of PCC

```
Start at: 2017-09-08 00:27:23
End at: 2017-09-08 00:27:53
Local clock offset: -3.024 ms
Remote clock offset: -4.994 ms

# Below is generated by plot.py at 2017-09-08 04:38:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 48.580 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.77 Mbit/s
95th percentile per-packet one-way delay: 47.004 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 49.755 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 49.997 ms
Loss rate: 0.29%
```

Run 9: Report of PCC — Data Link

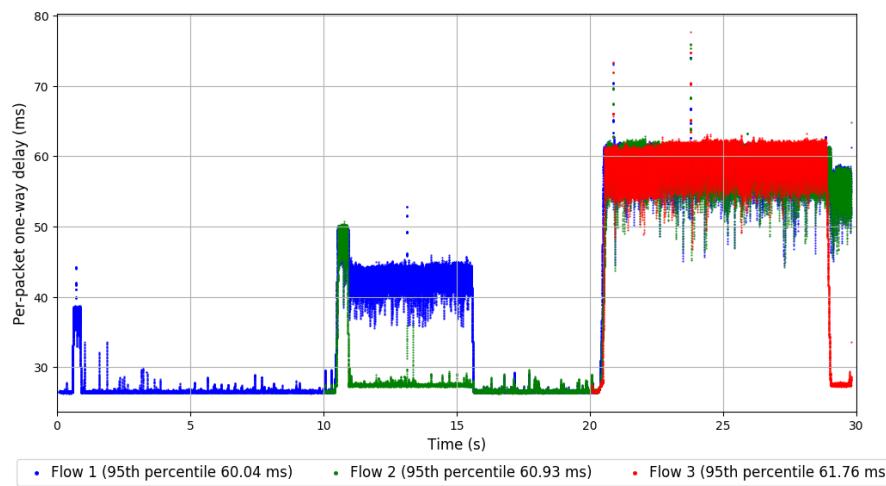
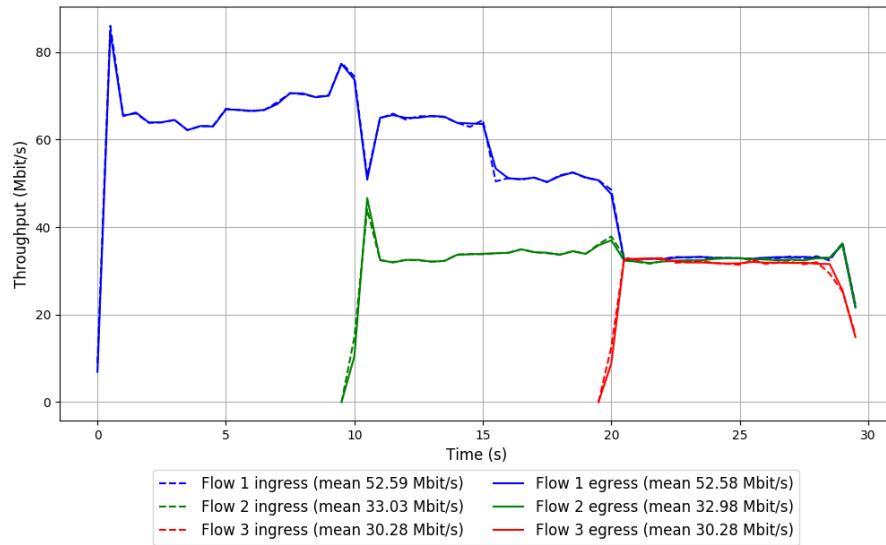


Run 10: Statistics of PCC

```
Start at: 2017-09-08 00:46:29
End at: 2017-09-08 00:46:59
Local clock offset: -0.367 ms
Remote clock offset: -4.122 ms

# Below is generated by plot.py at 2017-09-08 04:39:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 60.851 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 60.036 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 60.928 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 61.758 ms
Loss rate: 0.33%
```

Run 10: Report of PCC — Data Link

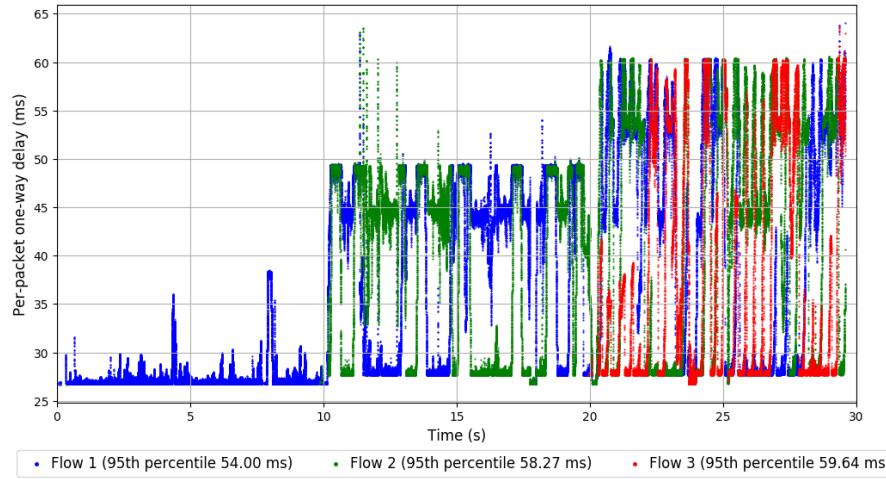
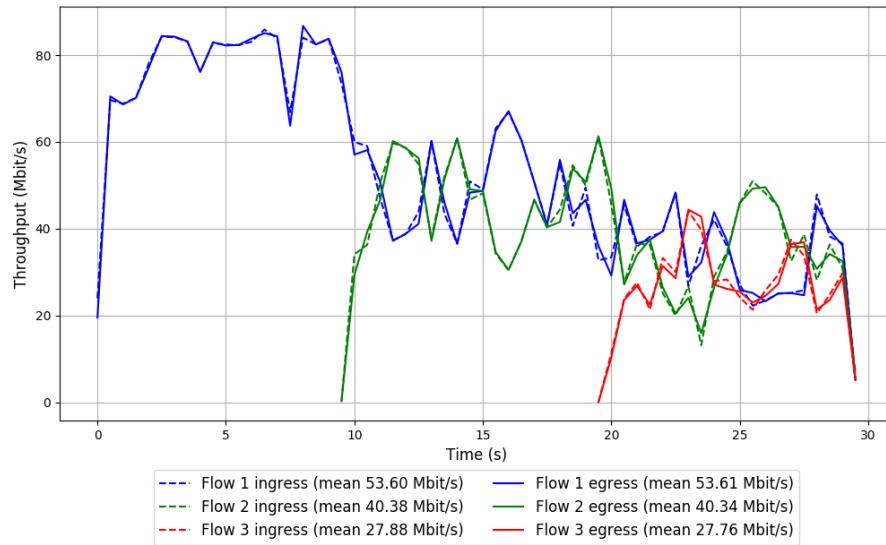


Run 1: Statistics of QUIC Cubic

```
Start at: 2017-09-07 21:53:31
End at: 2017-09-07 21:54:01
Local clock offset: 3.467 ms
Remote clock offset: -3.305 ms

# Below is generated by plot.py at 2017-09-08 04:39:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.63 Mbit/s
95th percentile per-packet one-way delay: 56.943 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 53.999 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 58.275 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 59.639 ms
Loss rate: 0.79%
```

Run 1: Report of QUIC Cubic — Data Link

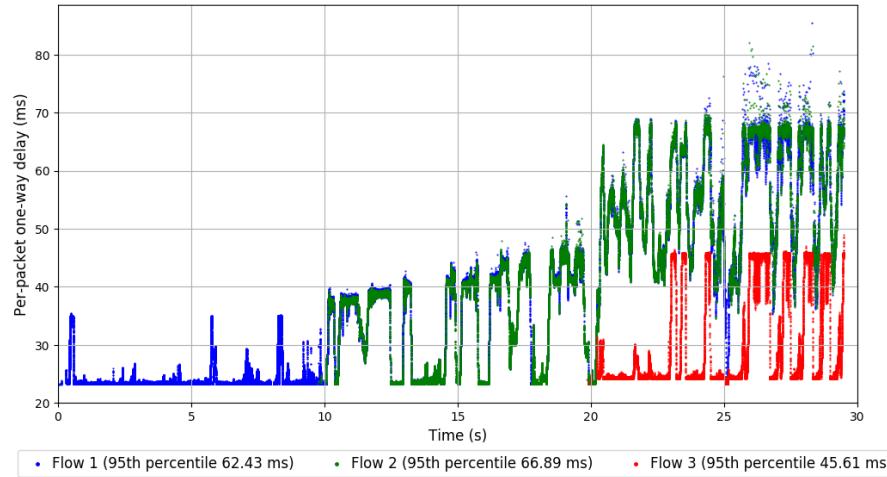
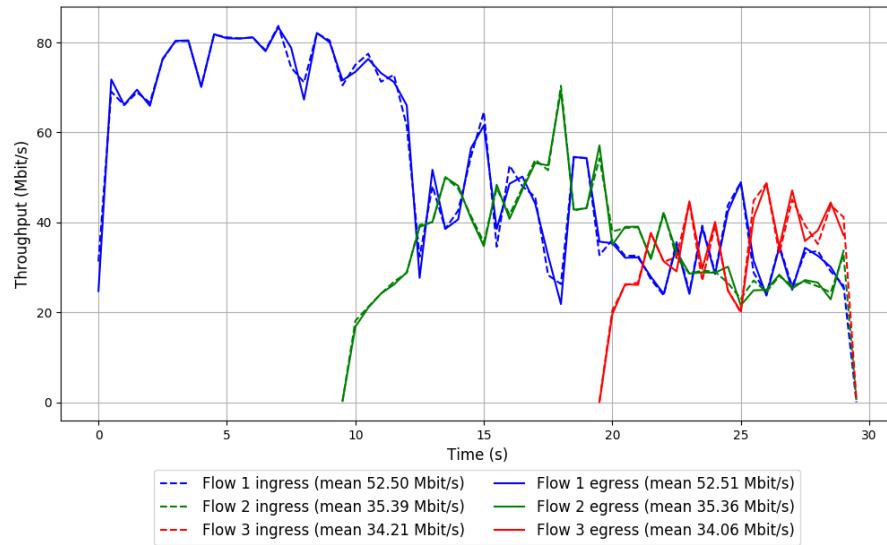


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-09-07 22:11:50
End at: 2017-09-07 22:12:20
Local clock offset: -0.847 ms
Remote clock offset: -3.163 ms

# Below is generated by plot.py at 2017-09-08 04:39:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 64.290 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 62.431 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 66.894 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 45.607 ms
Loss rate: 0.83%
```

Run 2: Report of QUIC Cubic — Data Link

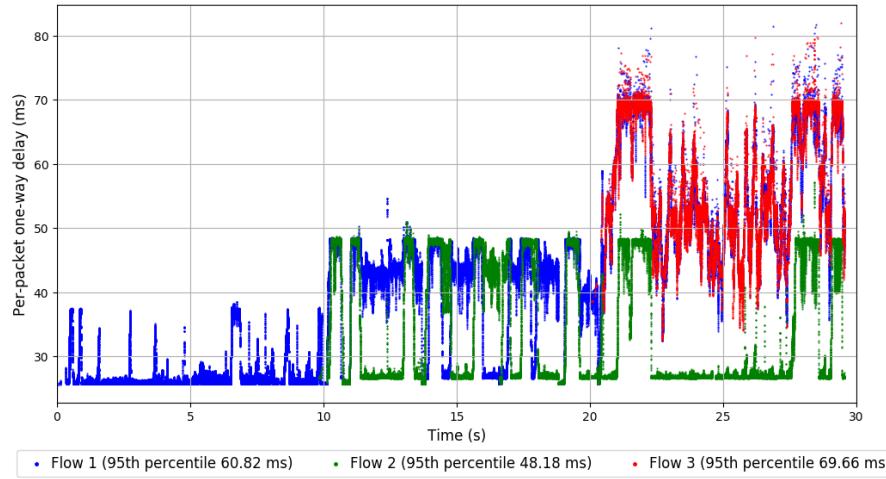
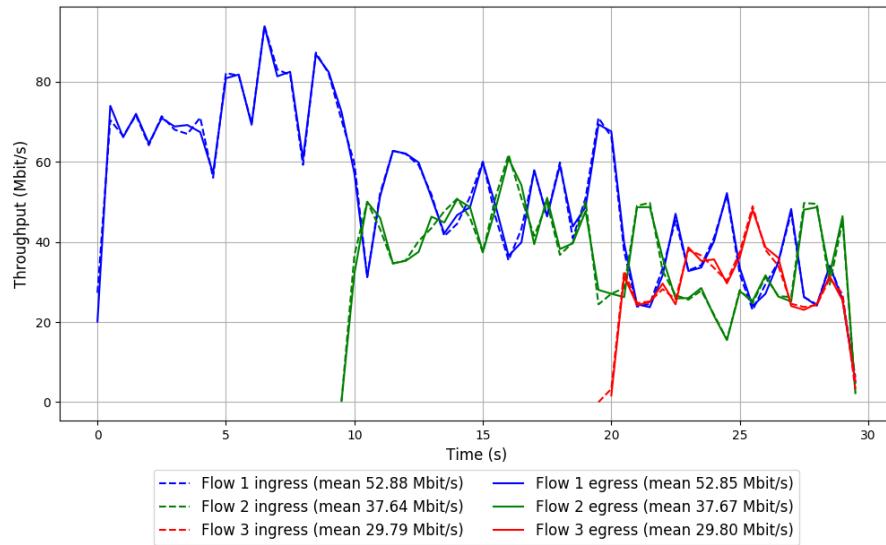


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-09-07 22:30:05
End at: 2017-09-07 22:30:35
Local clock offset: 0.833 ms
Remote clock offset: -3.275 ms

# Below is generated by plot.py at 2017-09-08 04:39:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 63.930 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 52.85 Mbit/s
95th percentile per-packet one-way delay: 60.816 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 48.182 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 69.656 ms
Loss rate: 0.41%
```

Run 3: Report of QUIC Cubic — Data Link

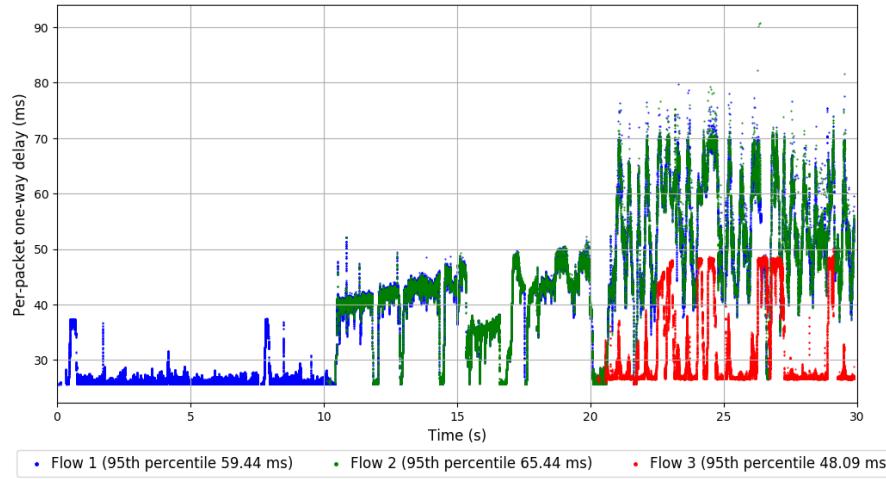
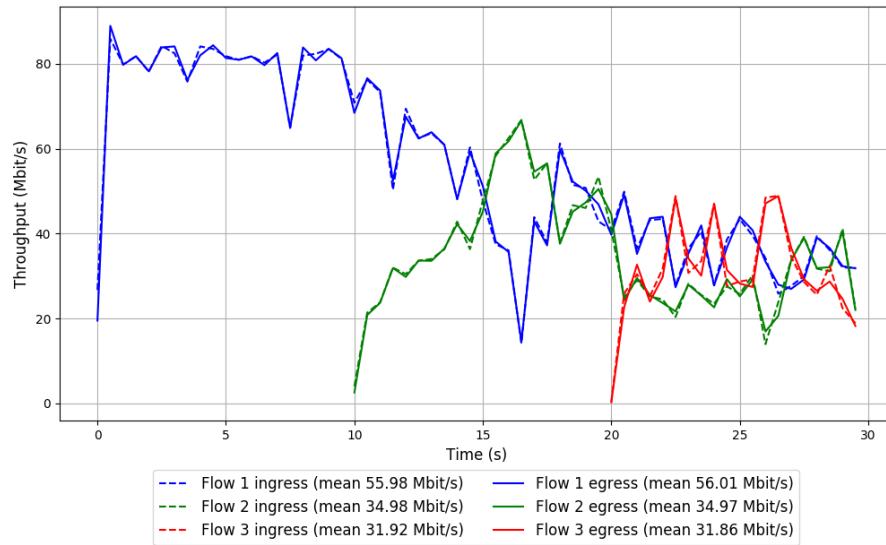


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-09-07 22:48:20
End at: 2017-09-07 22:48:50
Local clock offset: 0.21 ms
Remote clock offset: -3.541 ms

# Below is generated by plot.py at 2017-09-08 04:39:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 61.138 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 59.436 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: 65.443 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 48.088 ms
Loss rate: 0.50%
```

Run 4: Report of QUIC Cubic — Data Link

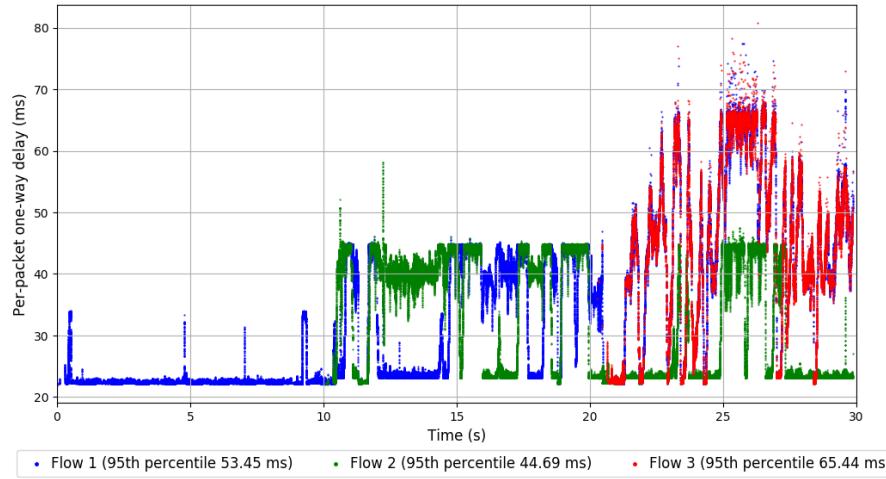
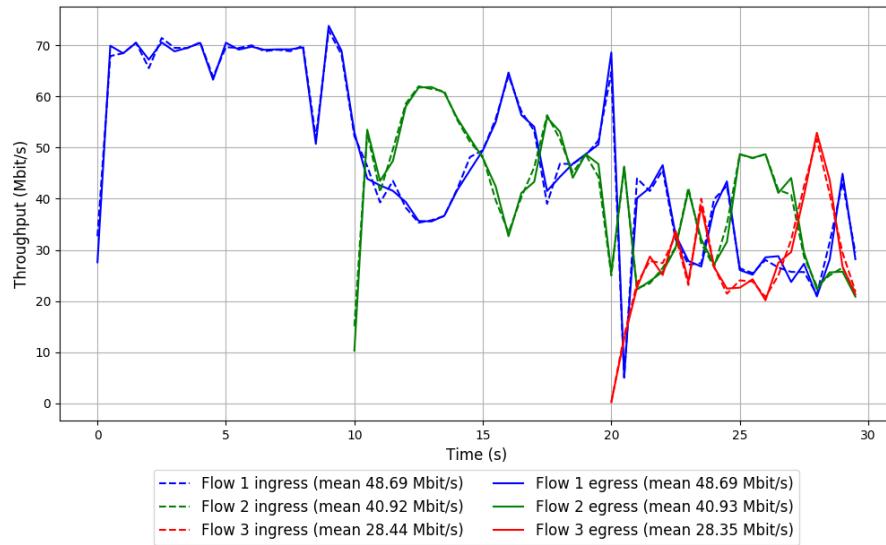


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-09-07 23:06:20
End at: 2017-09-07 23:06:50
Local clock offset: -3.276 ms
Remote clock offset: -3.32 ms

# Below is generated by plot.py at 2017-09-08 04:39:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 54.552 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 53.449 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 44.692 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 28.35 Mbit/s
95th percentile per-packet one-way delay: 65.435 ms
Loss rate: 0.80%
```

Run 5: Report of QUIC Cubic — Data Link

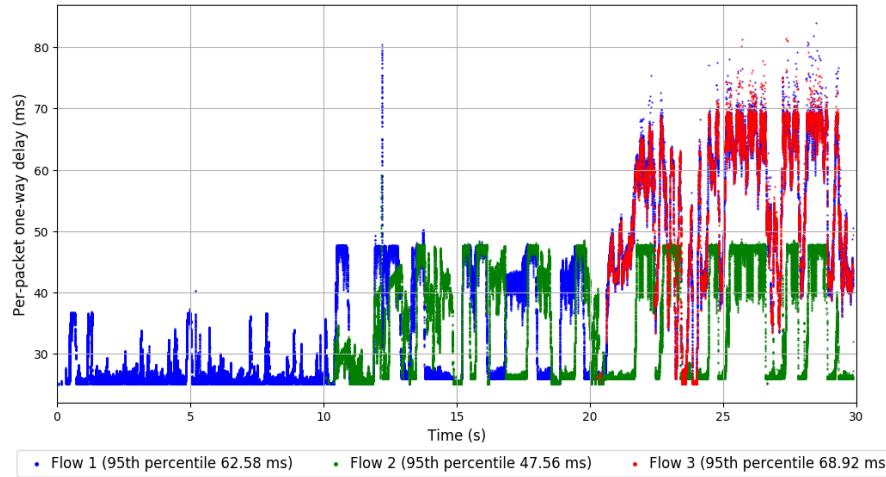
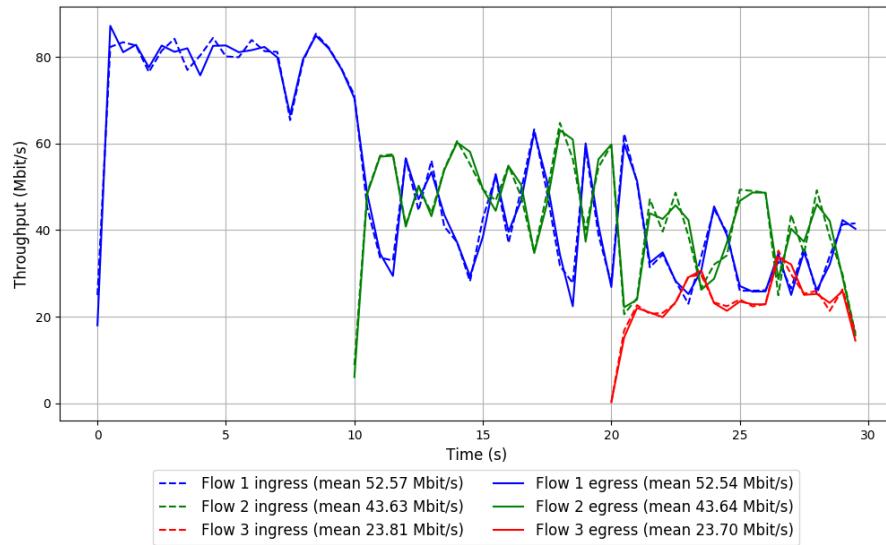


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-09-07 23:24:17
End at: 2017-09-07 23:24:47
Local clock offset: -0.424 ms
Remote clock offset: -3.248 ms

# Below is generated by plot.py at 2017-09-08 04:39:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 63.656 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 52.54 Mbit/s
95th percentile per-packet one-way delay: 62.576 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 43.64 Mbit/s
95th percentile per-packet one-way delay: 47.556 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 68.921 ms
Loss rate: 0.83%
```

Run 6: Report of QUIC Cubic — Data Link

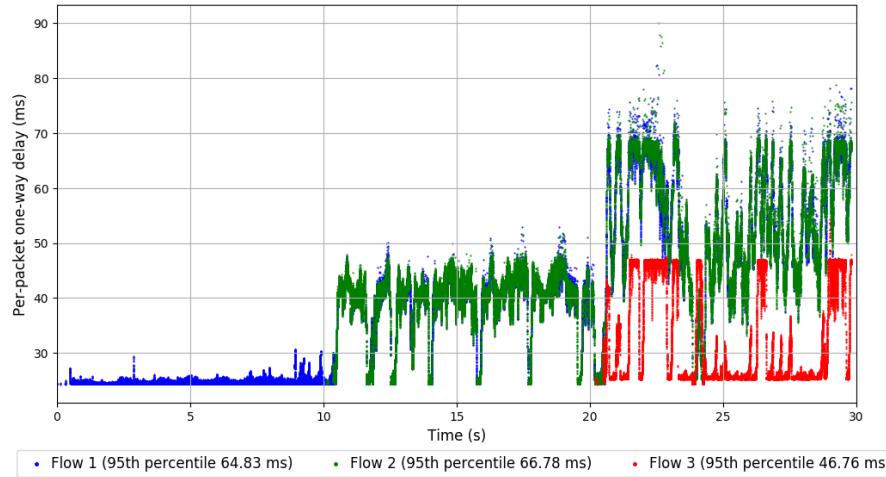
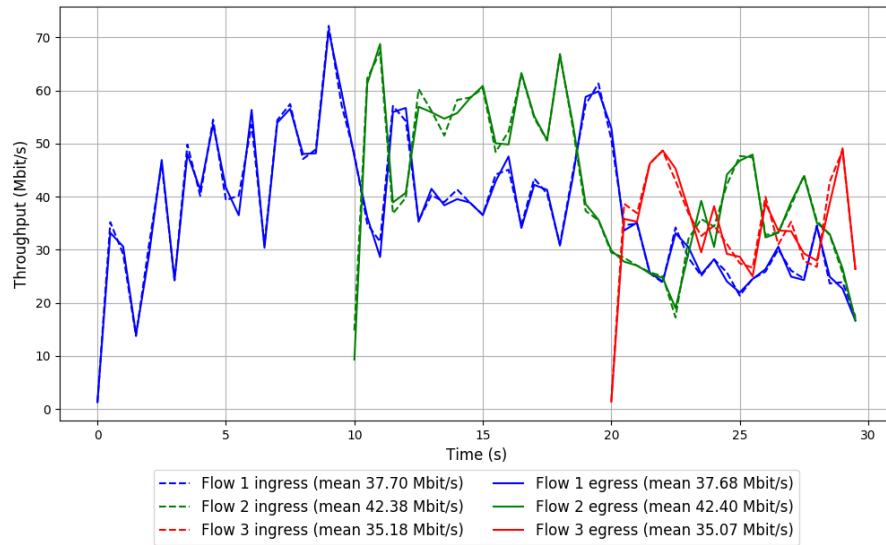


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-09-07 23:42:27
End at: 2017-09-07 23:42:57
Local clock offset: -1.954 ms
Remote clock offset: -3.838 ms

# Below is generated by plot.py at 2017-09-08 04:39:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 64.809 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 64.833 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 42.40 Mbit/s
95th percentile per-packet one-way delay: 66.778 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 46.762 ms
Loss rate: 0.66%
```

Run 7: Report of QUIC Cubic — Data Link

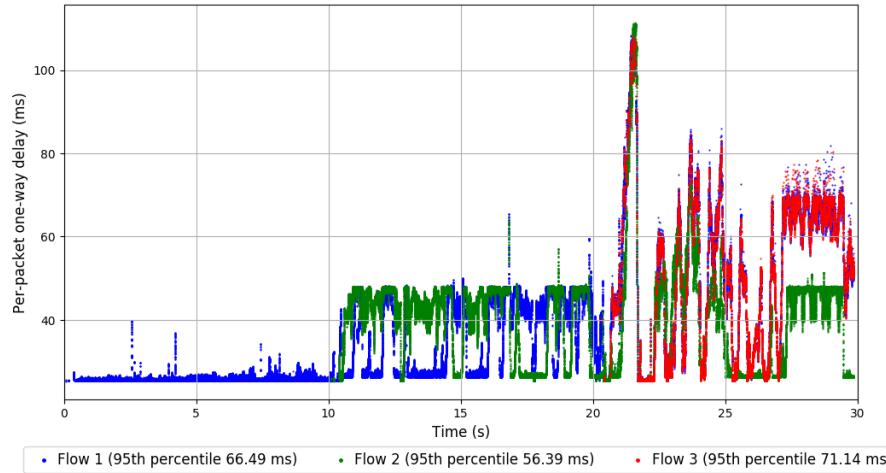
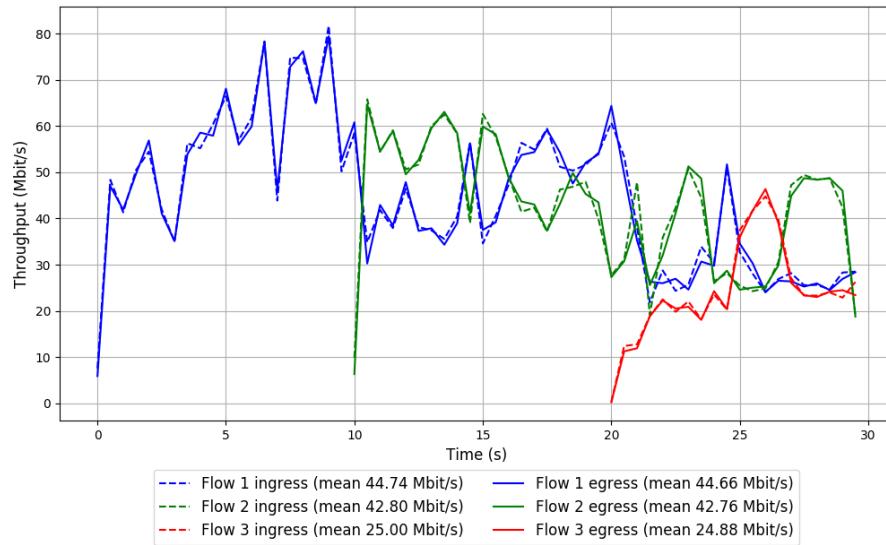


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-09-08 00:01:02
End at: 2017-09-08 00:01:32
Local clock offset: -0.64 ms
Remote clock offset: -3.214 ms

# Below is generated by plot.py at 2017-09-08 04:39:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 67.509 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 66.486 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 42.76 Mbit/s
95th percentile per-packet one-way delay: 56.388 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 71.135 ms
Loss rate: 1.04%
```

Run 8: Report of QUIC Cubic — Data Link

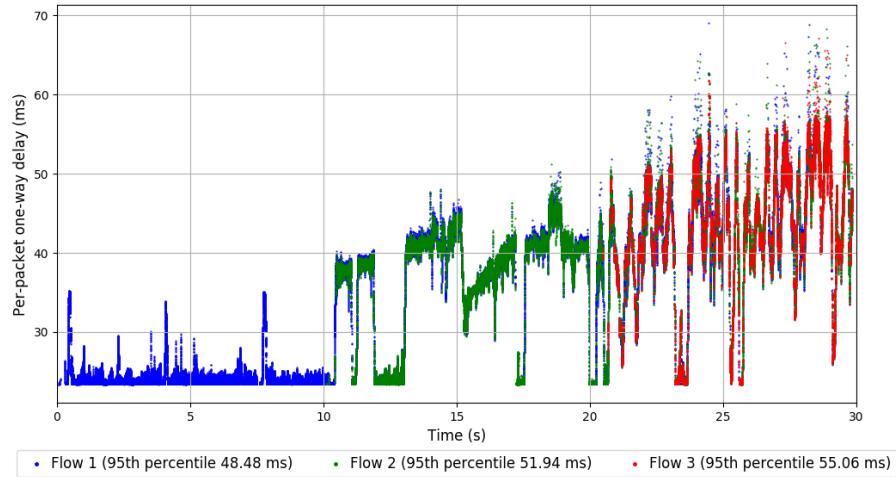
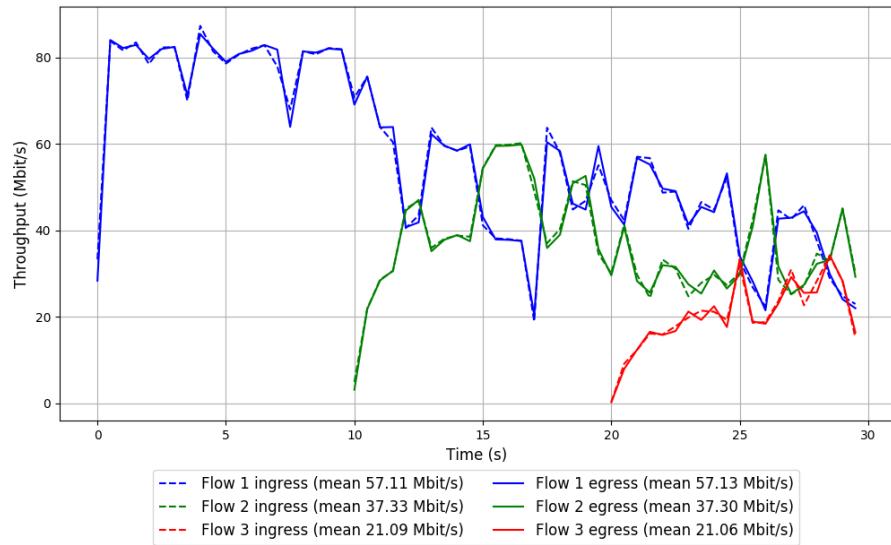


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-09-08 00:19:56
End at: 2017-09-08 00:20:26
Local clock offset: -3.386 ms
Remote clock offset: -4.149 ms

# Below is generated by plot.py at 2017-09-08 04:39:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 51.110 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 48.482 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 51.944 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 21.06 Mbit/s
95th percentile per-packet one-way delay: 55.058 ms
Loss rate: 0.58%
```

Run 9: Report of QUIC Cubic — Data Link

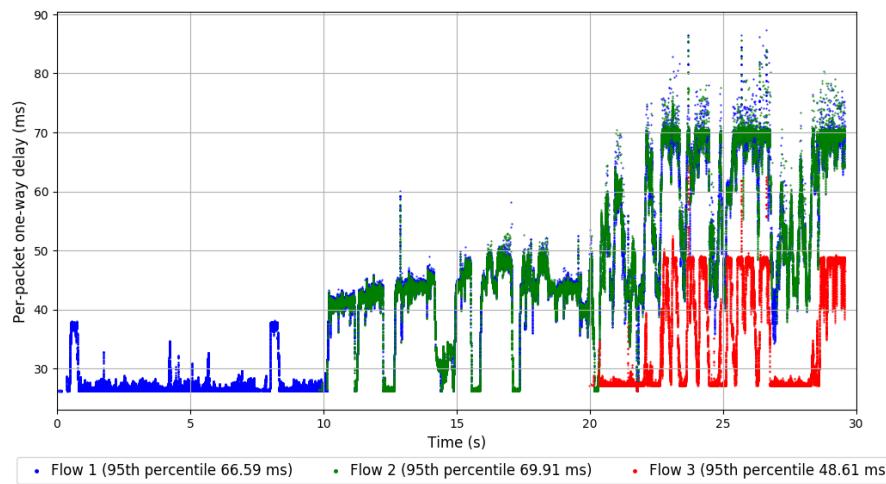
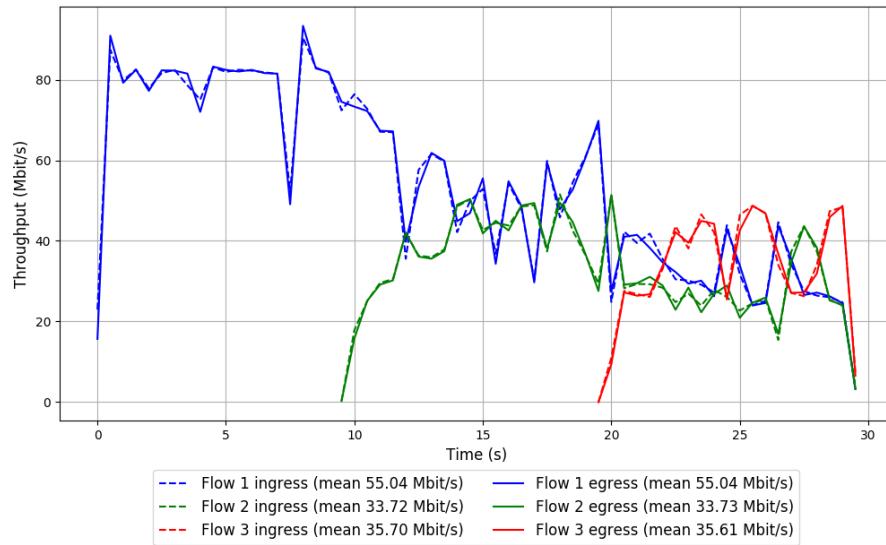


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-09-08 00:39:05
End at: 2017-09-08 00:39:35
Local clock offset: 0.084 ms
Remote clock offset: -3.514 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 68.682 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 55.04 Mbit/s
95th percentile per-packet one-way delay: 66.595 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 69.909 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 48.610 ms
Loss rate: 0.75%
```

Run 10: Report of QUIC Cubic — Data Link

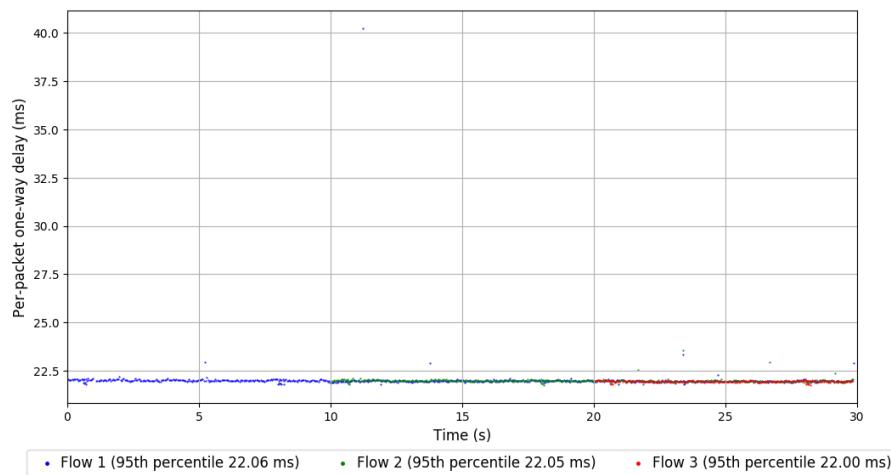
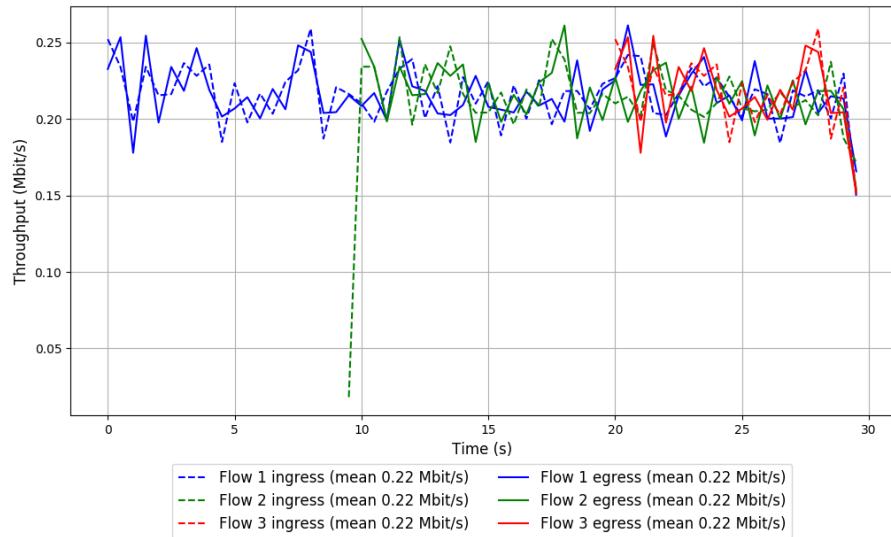


Run 1: Statistics of SCReAM

```
Start at: 2017-09-07 21:51:09
End at: 2017-09-07 21:51:39
Local clock offset: -1.092 ms
Remote clock offset: -3.116 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 22.046 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.045 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.000 ms
Loss rate: 0.38%
```

Run 1: Report of SCReAM — Data Link

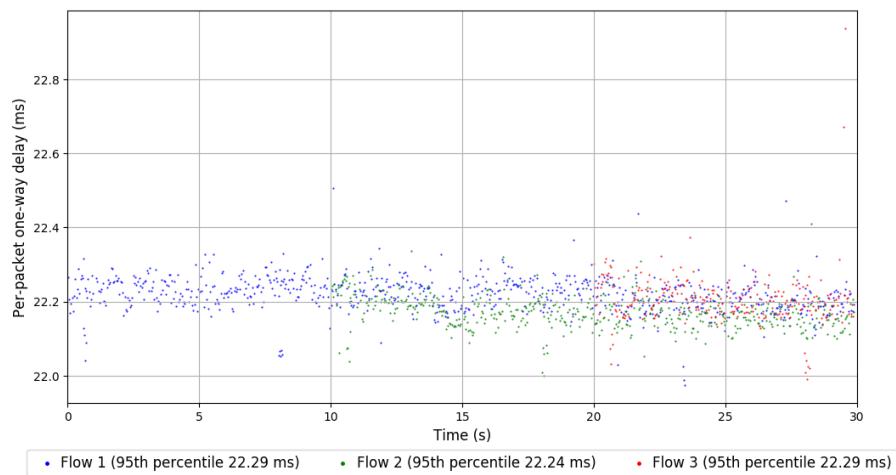
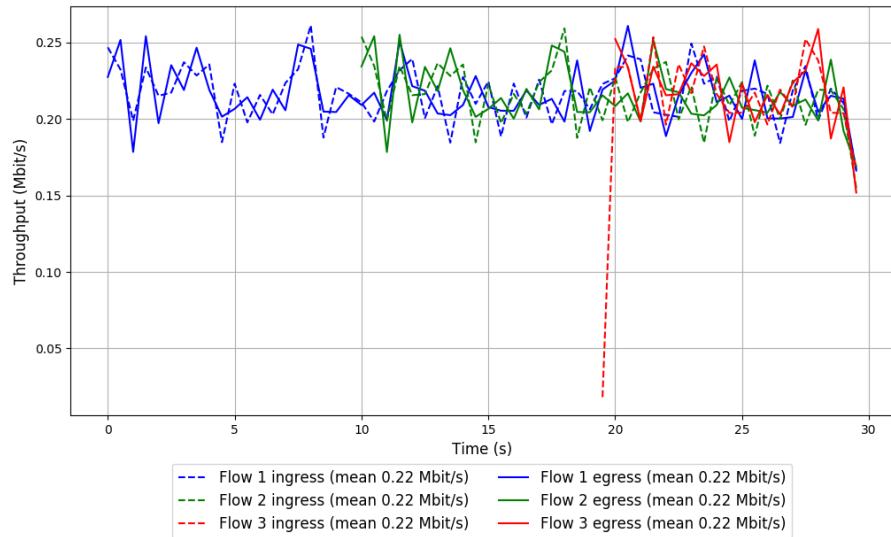


Run 2: Statistics of SCReAM

```
Start at: 2017-09-07 22:09:26
End at: 2017-09-07 22:09:56
Local clock offset: -0.966 ms
Remote clock offset: -2.231 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 22.279 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.289 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.285 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link

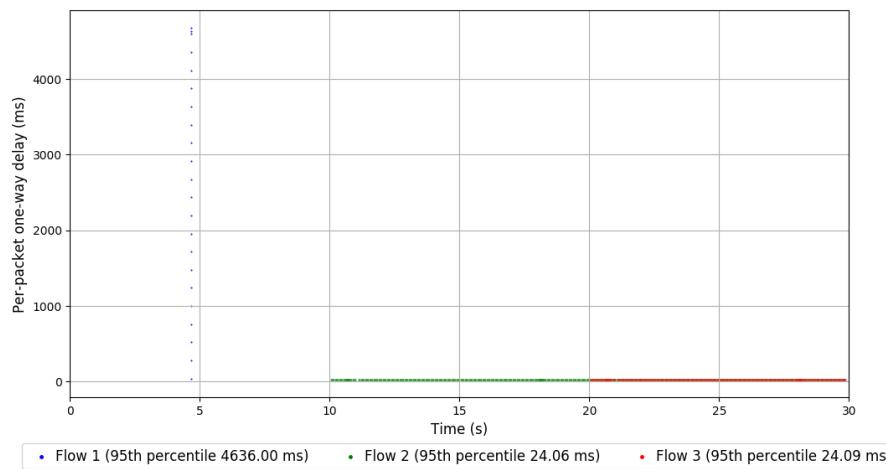
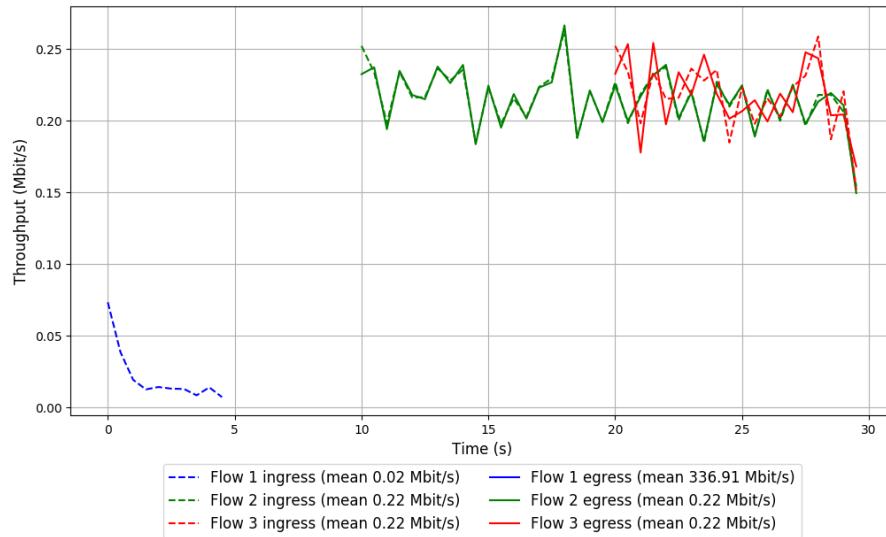


Run 3: Statistics of SCReAM

```
Start at: 2017-09-07 22:27:37
End at: 2017-09-07 22:28:07
Local clock offset: -0.244 ms
Remote clock offset: -2.568 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 24.105 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 336.91 Mbit/s
95th percentile per-packet one-way delay: 4636.002 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.062 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.088 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

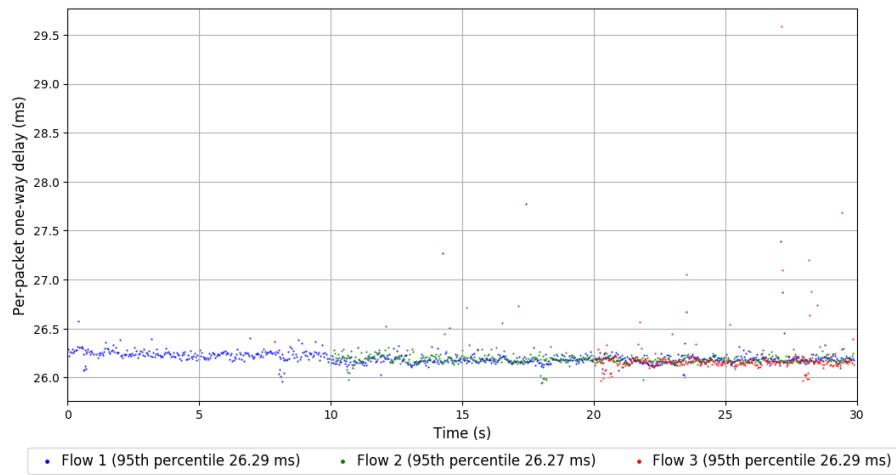
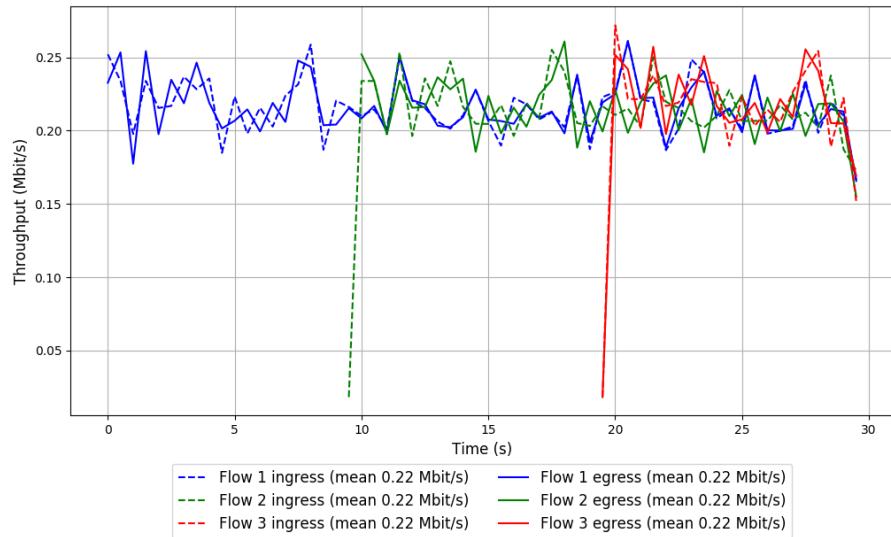


Run 4: Statistics of SCReAM

```
Start at: 2017-09-07 22:46:01
End at: 2017-09-07 22:46:31
Local clock offset: 0.241 ms
Remote clock offset: -3.996 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 26.286 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.294 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.274 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.288 ms
Loss rate: 0.00%
```

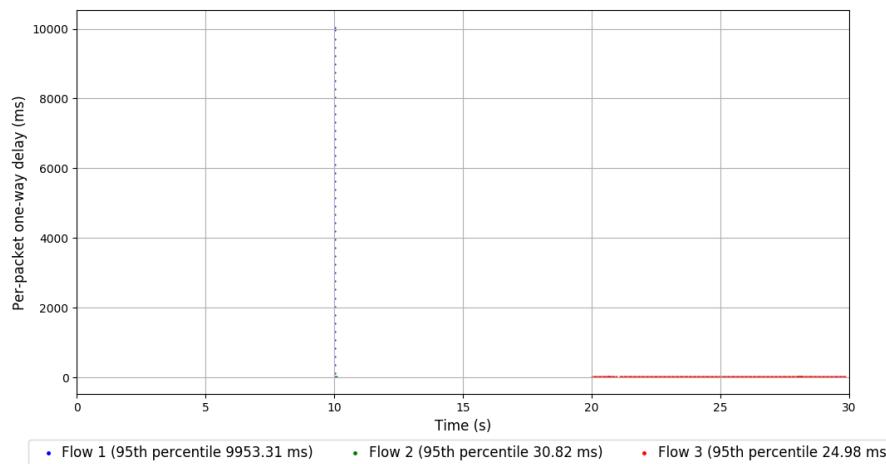
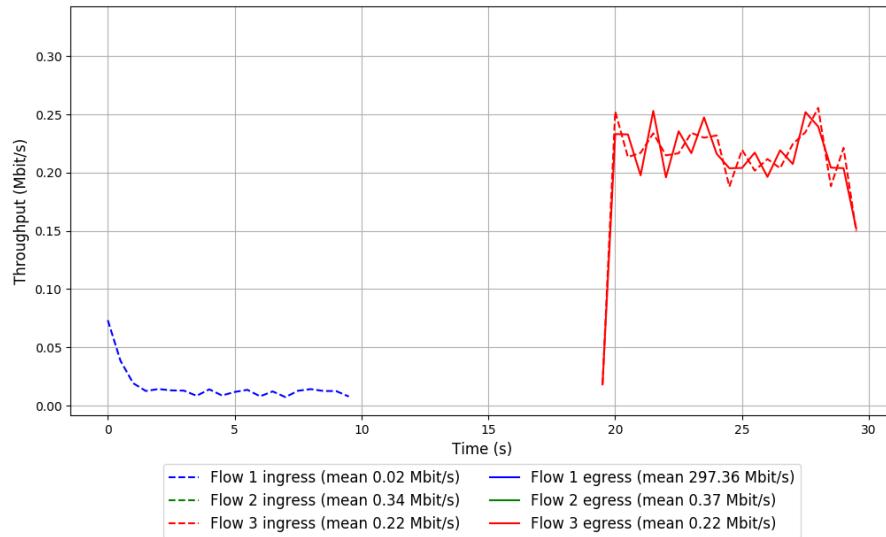
Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-09-07 23:03:53
End at: 2017-09-07 23:04:23
Local clock offset: -0.86 ms
Remote clock offset: -3.525 ms

Run 5: Report of SCReAM — Data Link

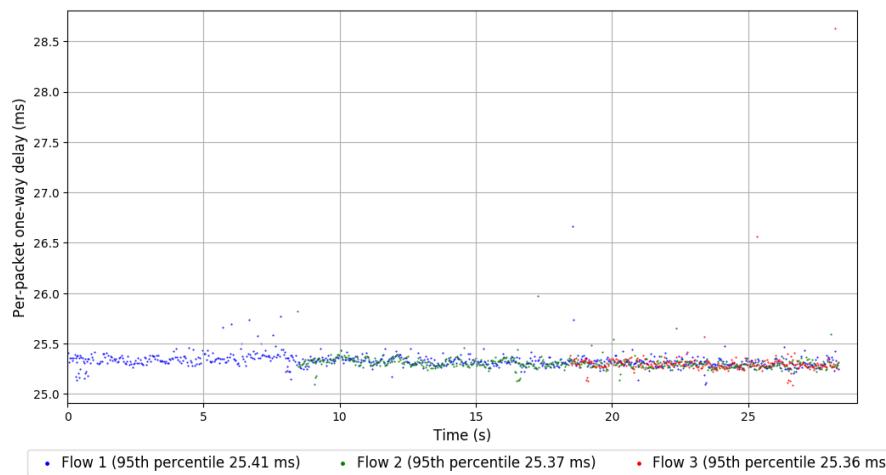
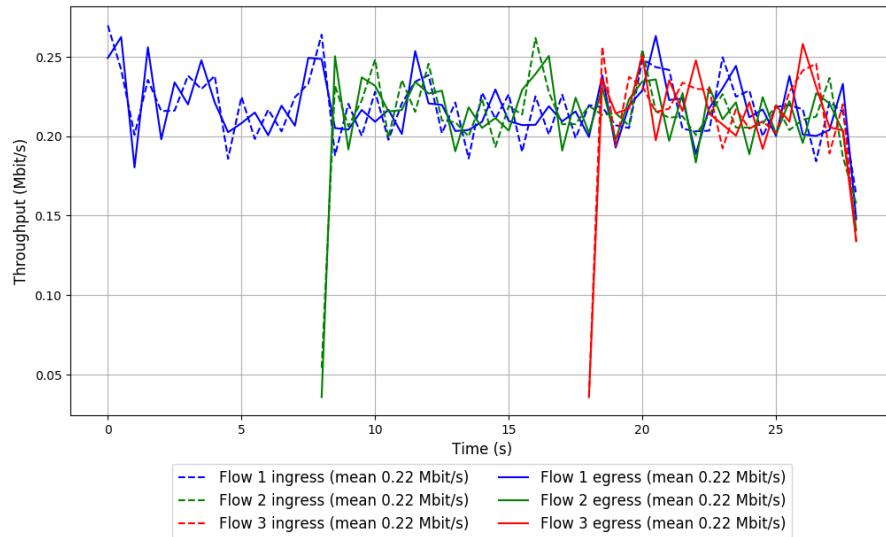


Run 6: Statistics of SCReAM

```
Start at: 2017-09-07 23:21:53
End at: 2017-09-07 23:22:23
Local clock offset: -1.019 ms
Remote clock offset: -3.95 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 25.397 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.414 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.373 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.362 ms
Loss rate: 0.35%
```

Run 6: Report of SCReAM — Data Link

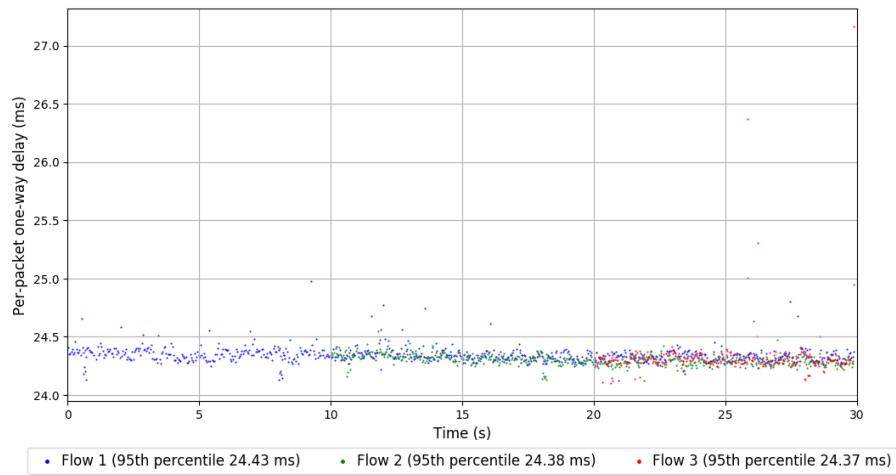
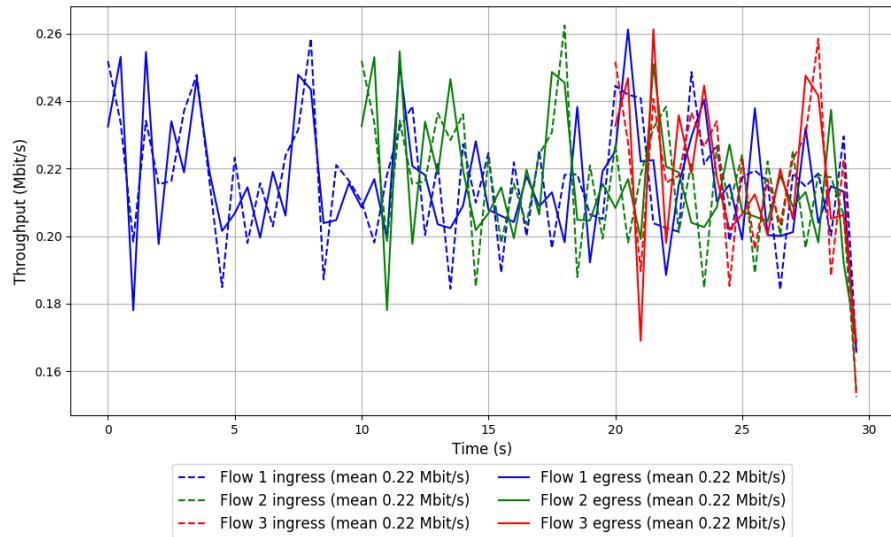


Run 7: Statistics of SCReAM

```
Start at: 2017-09-07 23:40:04
End at: 2017-09-07 23:40:34
Local clock offset: -2.134 ms
Remote clock offset: -3.883 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 24.405 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.429 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.375 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.373 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

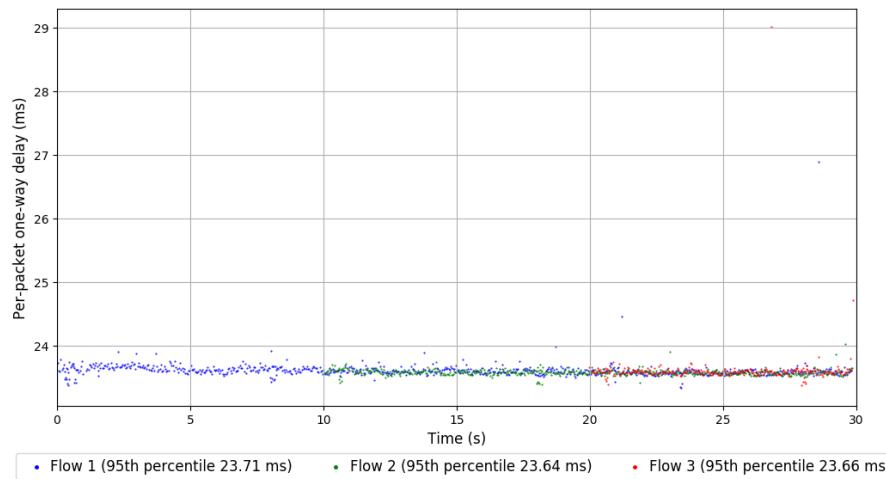
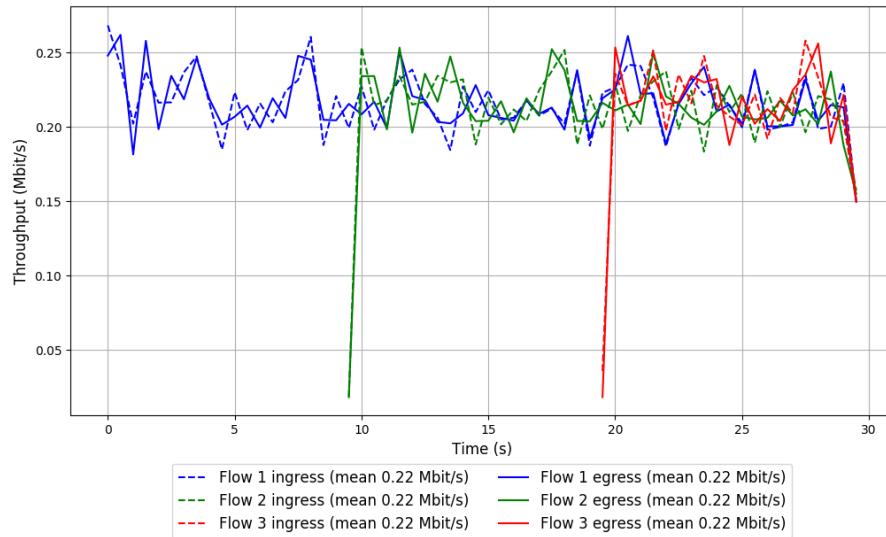


Run 8: Statistics of SCReAM

```
Start at: 2017-09-07 23:58:31
End at: 2017-09-07 23:59:01
Local clock offset: -1.453 ms
Remote clock offset: -2.218 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 23.687 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.710 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.644 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.663 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

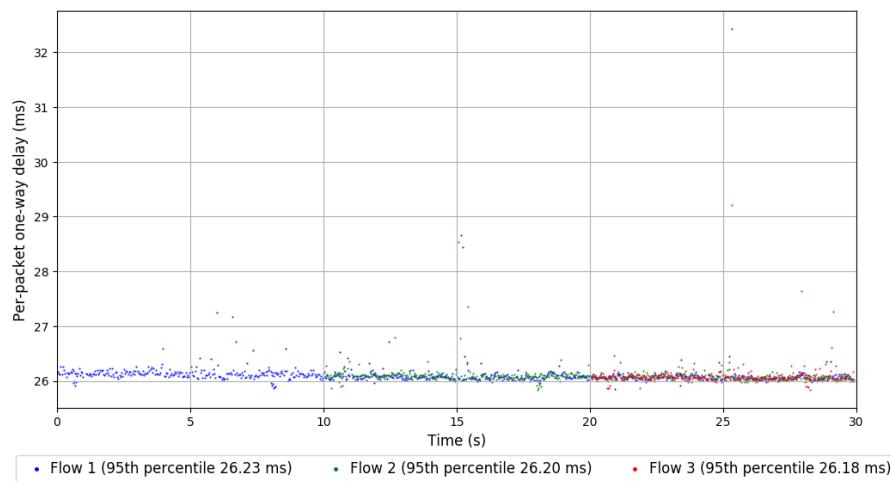
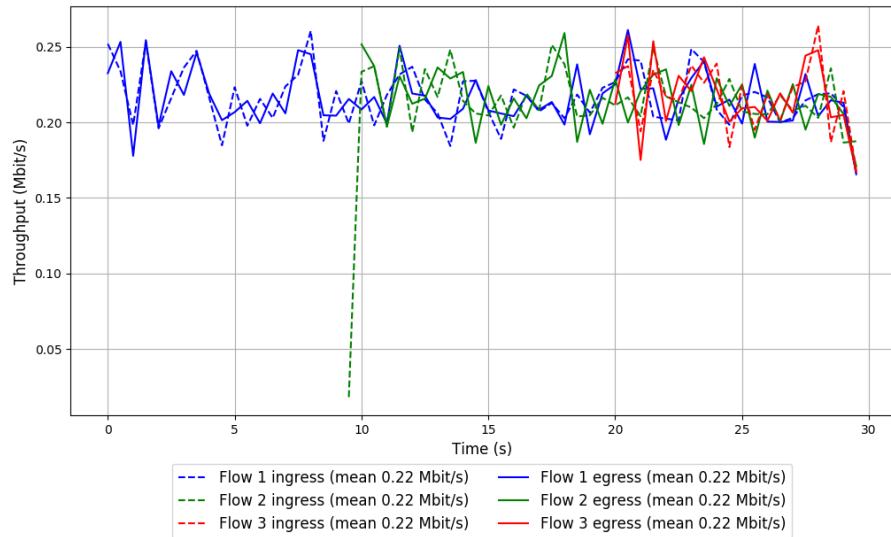


Run 9: Statistics of SCReAM

```
Start at: 2017-09-08 00:17:24
End at: 2017-09-08 00:17:54
Local clock offset: -0.719 ms
Remote clock offset: -4.025 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 26.214 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.235 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.203 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.180 ms
Loss rate: 0.38%
```

Run 9: Report of SCReAM — Data Link

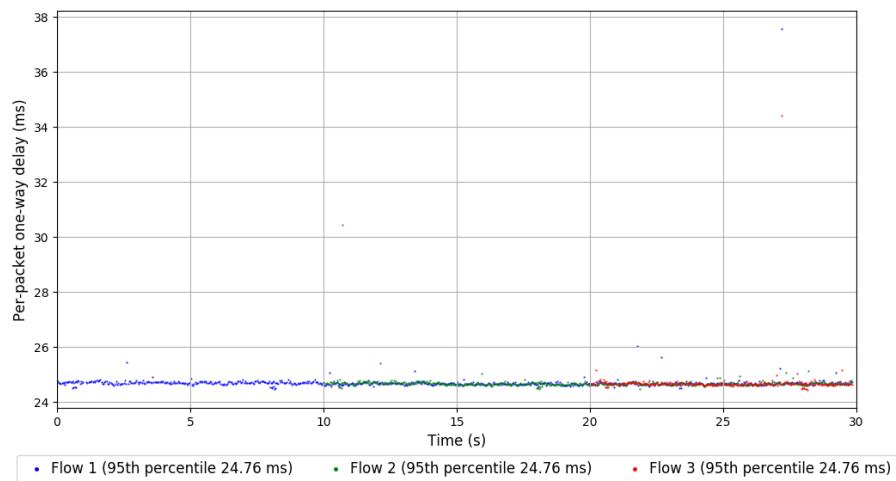
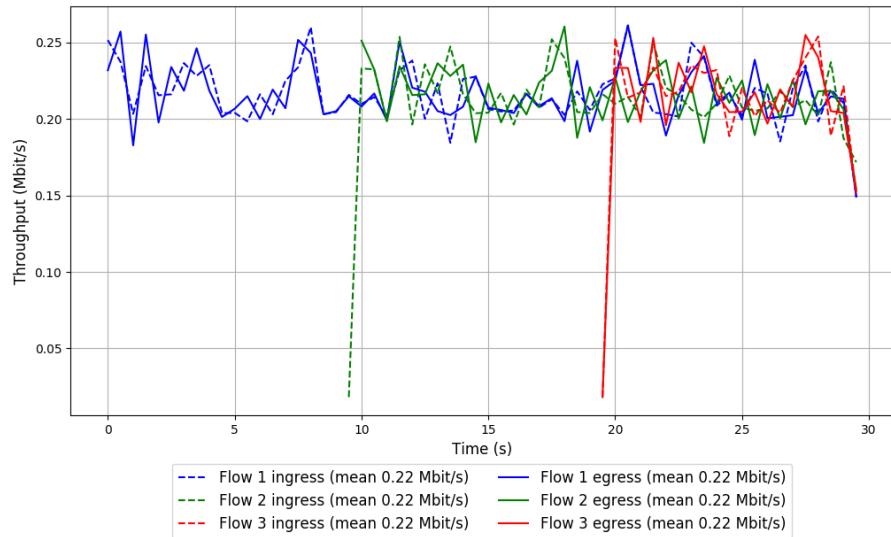


Run 10: Statistics of SCReAM

```
Start at: 2017-09-08 00:36:34
End at: 2017-09-08 00:37:04
Local clock offset: -2.059 ms
Remote clock offset: -4.054 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 24.760 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.760 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.757 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.760 ms
Loss rate: 0.35%
```

Run 10: Report of SCReAM — Data Link

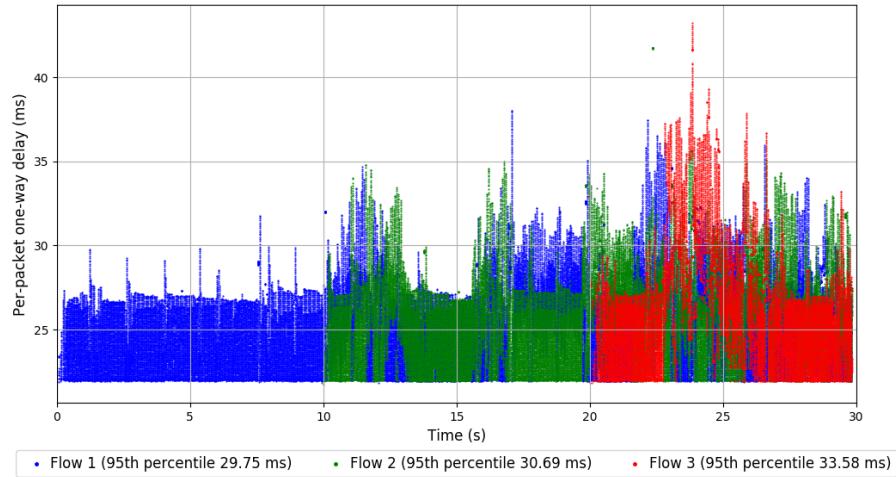
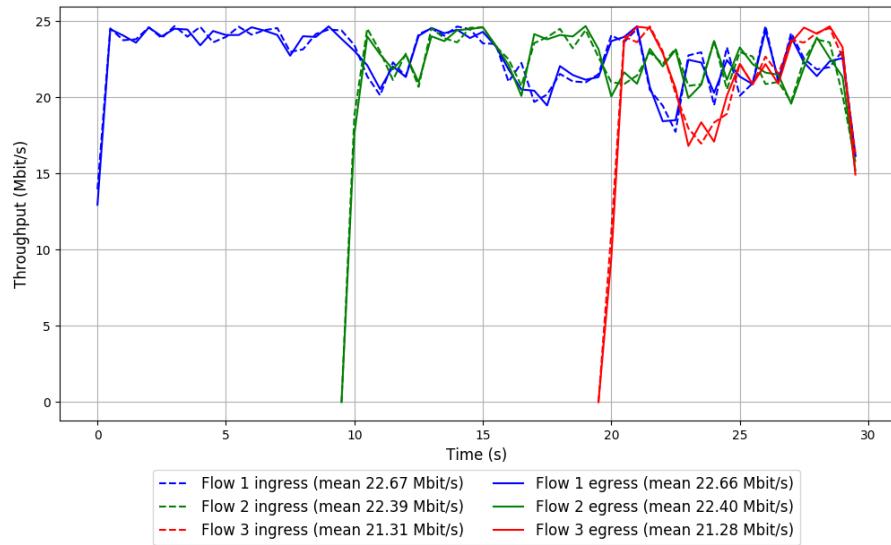


Run 1: Statistics of Sprout

```
Start at: 2017-09-07 21:55:56
End at: 2017-09-07 21:56:26
Local clock offset: -1.214 ms
Remote clock offset: -2.995 ms

# Below is generated by plot.py at 2017-09-08 04:40:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.62 Mbit/s
95th percentile per-packet one-way delay: 30.656 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 29.749 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 30.686 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 21.28 Mbit/s
95th percentile per-packet one-way delay: 33.581 ms
Loss rate: 0.40%
```

Run 1: Report of Sprout — Data Link

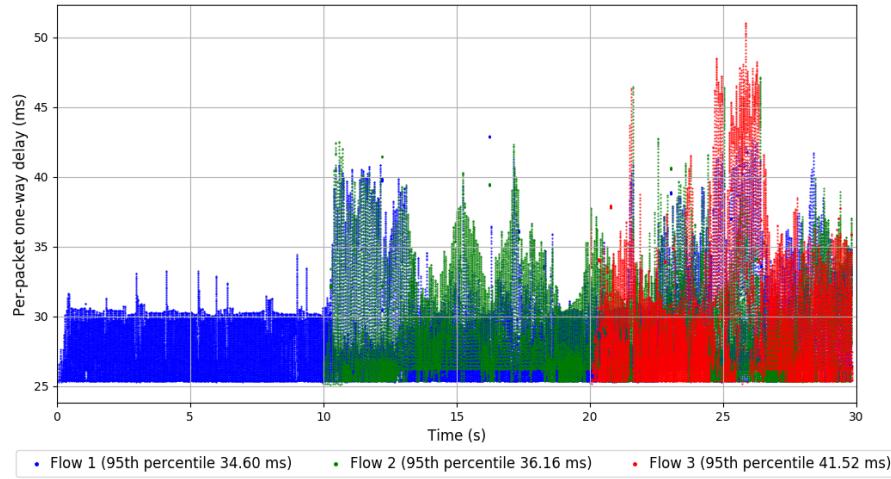
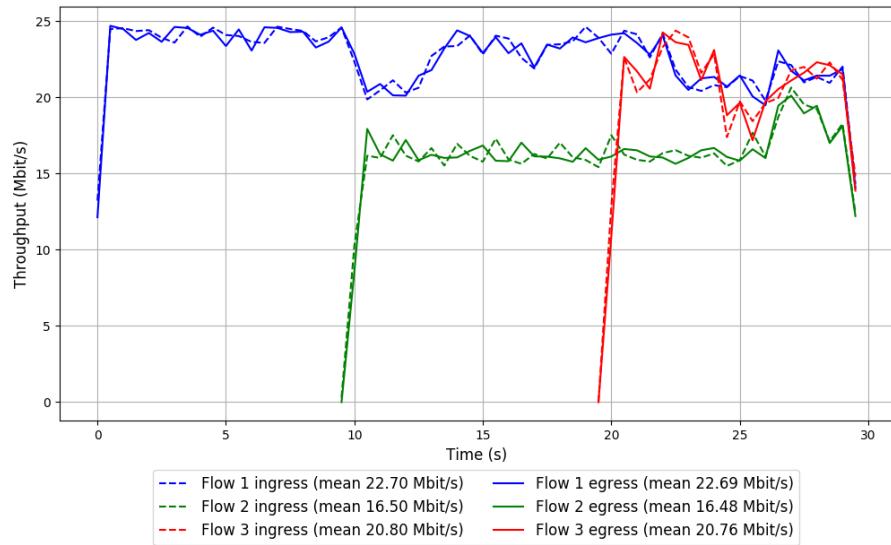


Run 2: Statistics of Sprout

```
Start at: 2017-09-07 22:14:20
End at: 2017-09-07 22:14:50
Local clock offset: 0.707 ms
Remote clock offset: -3.546 ms

# Below is generated by plot.py at 2017-09-08 04:40:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 36.137 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 34.604 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 36.158 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 20.76 Mbit/s
95th percentile per-packet one-way delay: 41.521 ms
Loss rate: 0.40%
```

Run 2: Report of Sprout — Data Link

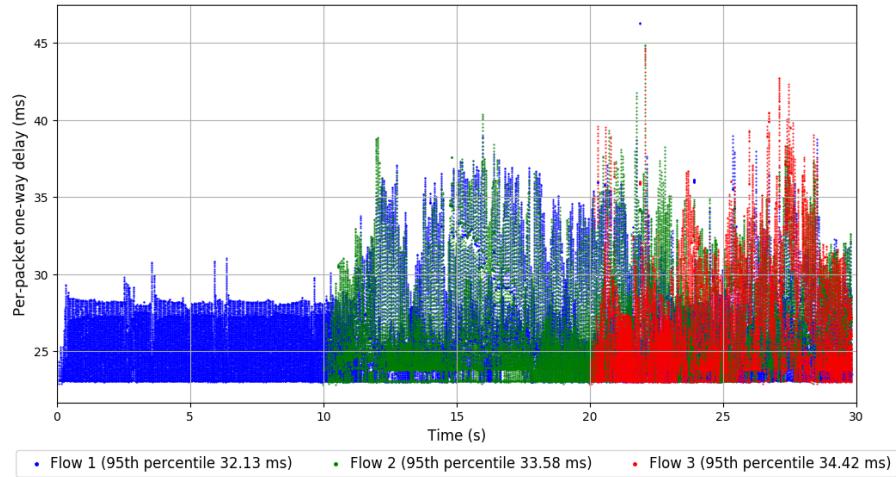
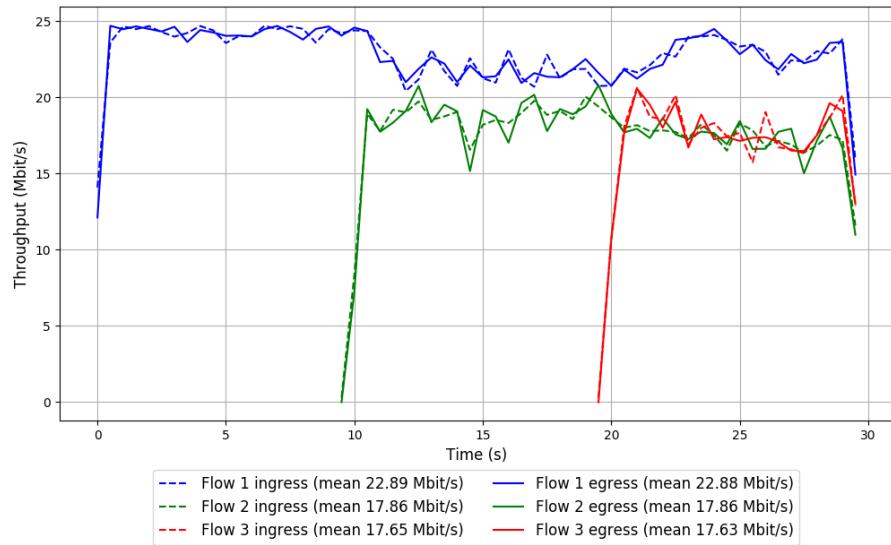


Run 3: Statistics of Sprout

```
Start at: 2017-09-07 22:32:34
End at: 2017-09-07 22:33:04
Local clock offset: -1.159 ms
Remote clock offset: -2.45 ms

# Below is generated by plot.py at 2017-09-08 04:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 33.038 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 32.126 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 33.579 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 34.423 ms
Loss rate: 0.45%
```

Run 3: Report of Sprout — Data Link

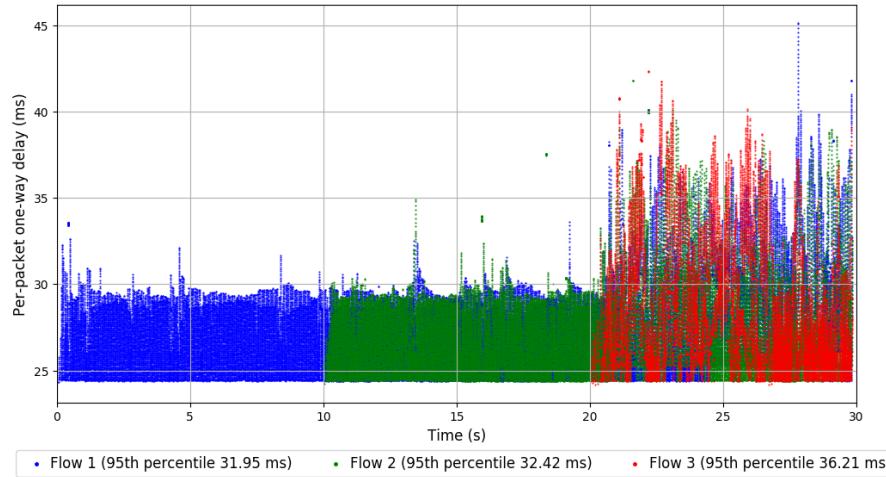
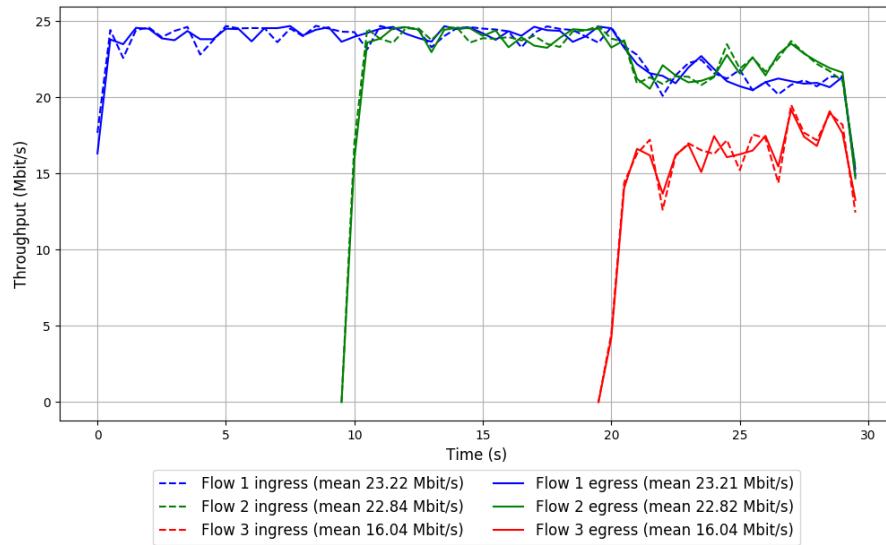


Run 4: Statistics of Sprout

```
Start at: 2017-09-07 22:50:48
End at: 2017-09-07 22:51:18
Local clock offset: -0.479 ms
Remote clock offset: -2.85 ms

# Below is generated by plot.py at 2017-09-08 04:40:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 33.151 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 31.945 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 22.82 Mbit/s
95th percentile per-packet one-way delay: 32.417 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 36.214 ms
Loss rate: 0.33%
```

Run 4: Report of Sprout — Data Link

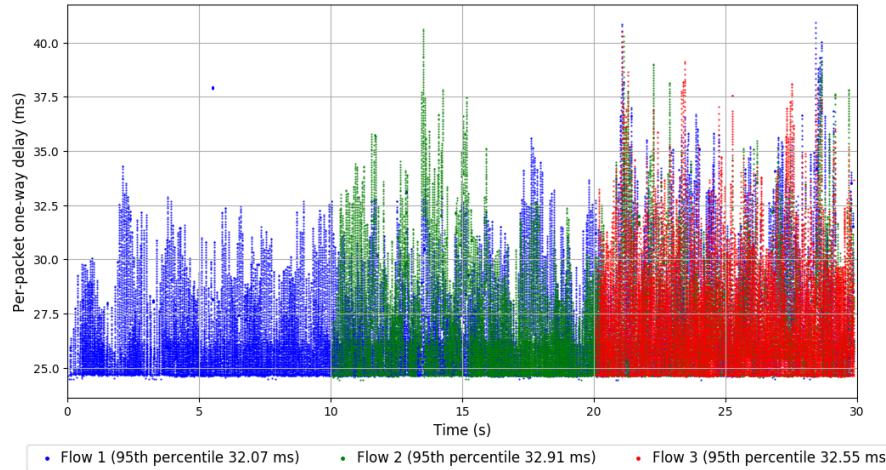
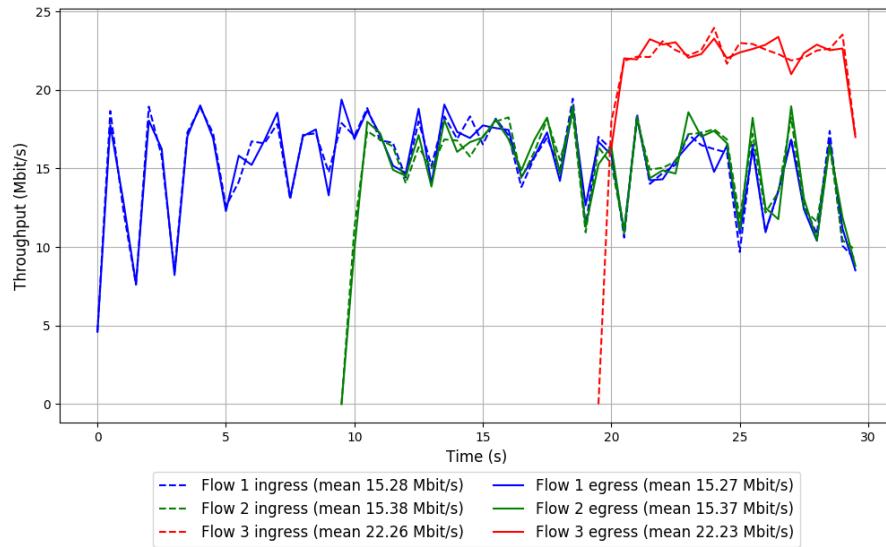


Run 5: Statistics of Sprout

```
Start at: 2017-09-07 23:08:47
End at: 2017-09-07 23:09:17
Local clock offset: -1.23 ms
Remote clock offset: -3.631 ms

# Below is generated by plot.py at 2017-09-08 04:40:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 32.422 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 15.27 Mbit/s
95th percentile per-packet one-way delay: 32.069 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 15.37 Mbit/s
95th percentile per-packet one-way delay: 32.909 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 32.548 ms
Loss rate: 0.42%
```

Run 5: Report of Sprout — Data Link

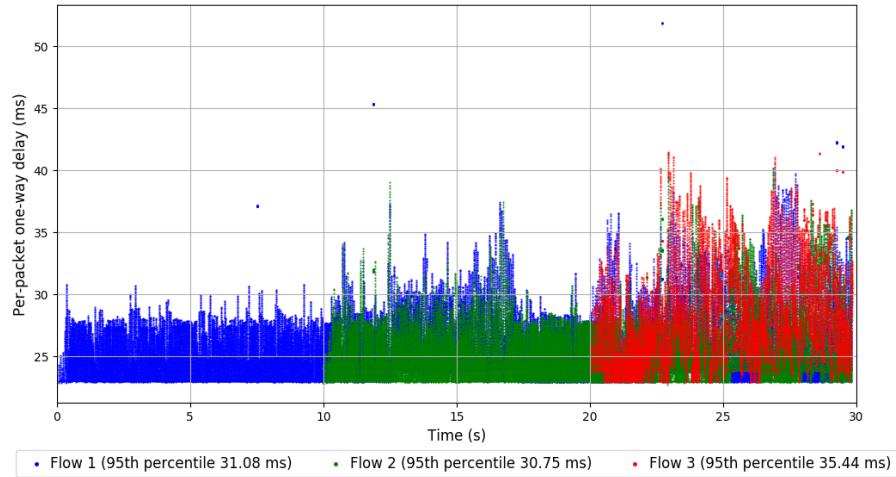
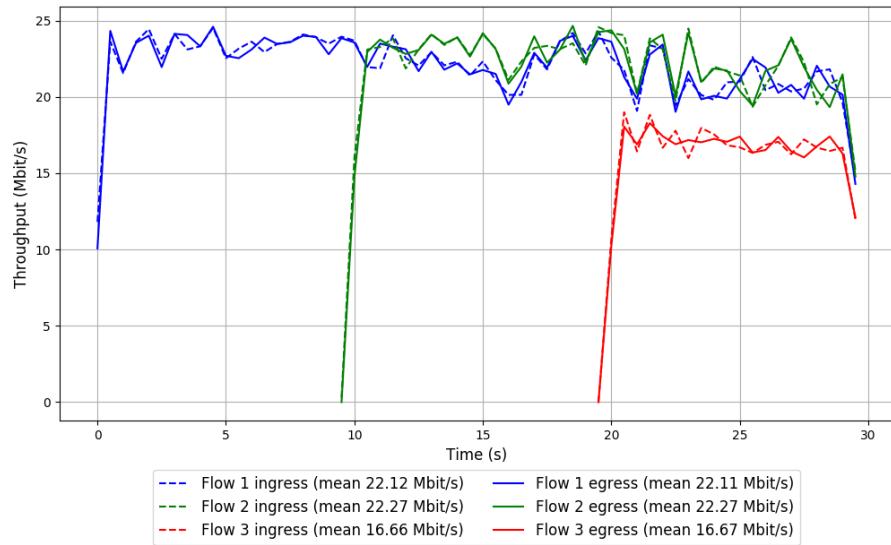


Run 6: Statistics of Sprout

```
Start at: 2017-09-07 23:26:49
End at: 2017-09-07 23:27:19
Local clock offset: -2.843 ms
Remote clock offset: -3.519 ms

# Below is generated by plot.py at 2017-09-08 04:40:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.47 Mbit/s
95th percentile per-packet one-way delay: 32.064 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 31.081 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 30.752 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 16.67 Mbit/s
95th percentile per-packet one-way delay: 35.435 ms
Loss rate: 0.28%
```

Run 6: Report of Sprout — Data Link

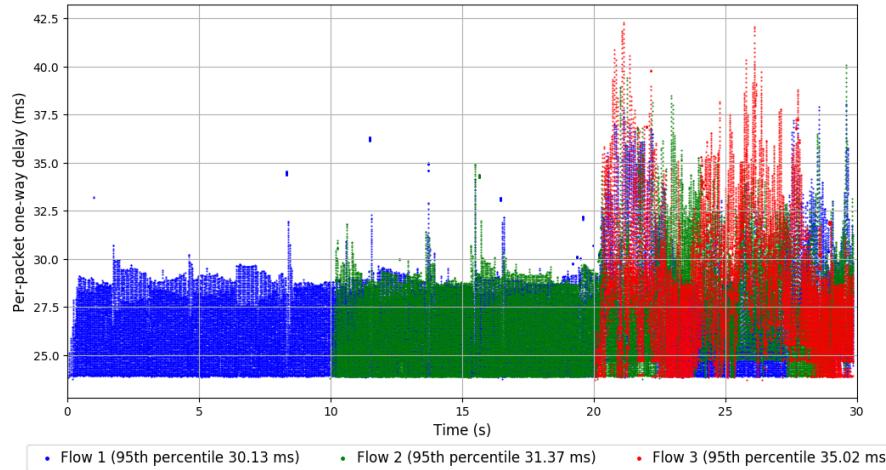
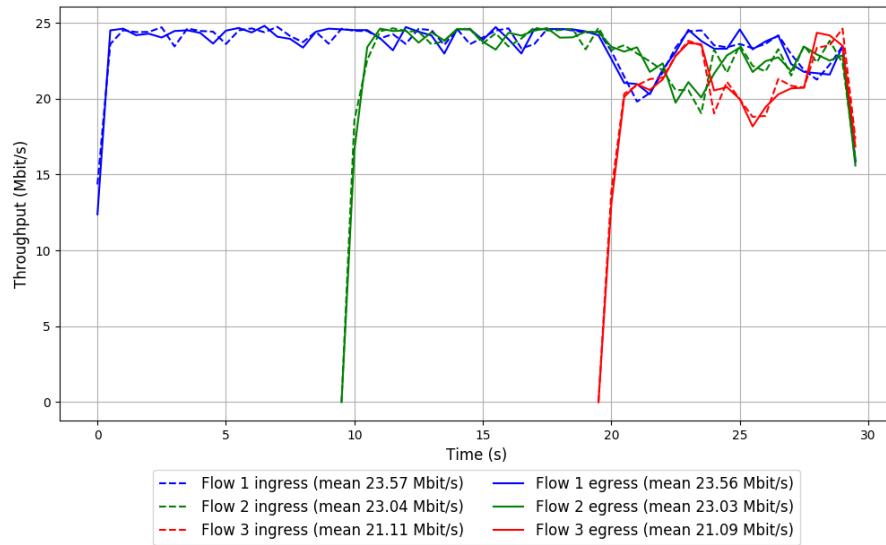


Run 7: Statistics of Sprout

```
Start at: 2017-09-07 23:44:51
End at: 2017-09-07 23:45:21
Local clock offset: -1.185 ms
Remote clock offset: -2.502 ms

# Below is generated by plot.py at 2017-09-08 04:40:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.86 Mbit/s
95th percentile per-packet one-way delay: 31.908 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 30.133 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 31.373 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 35.015 ms
Loss rate: 0.47%
```

Run 7: Report of Sprout — Data Link

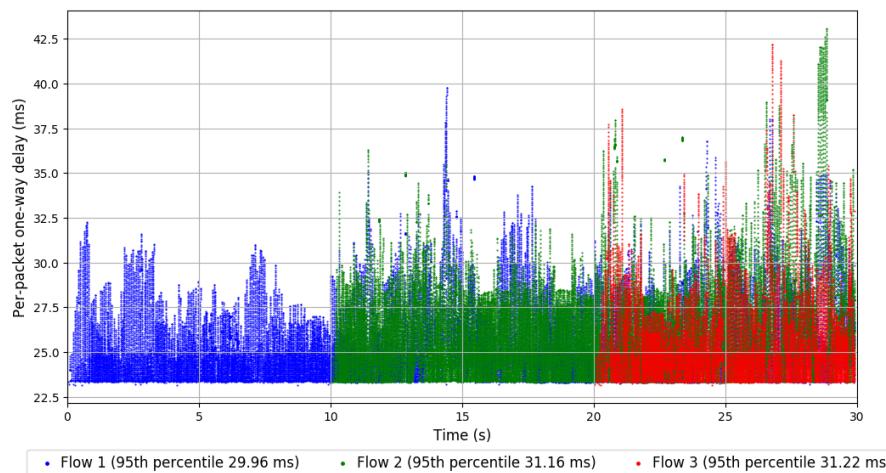
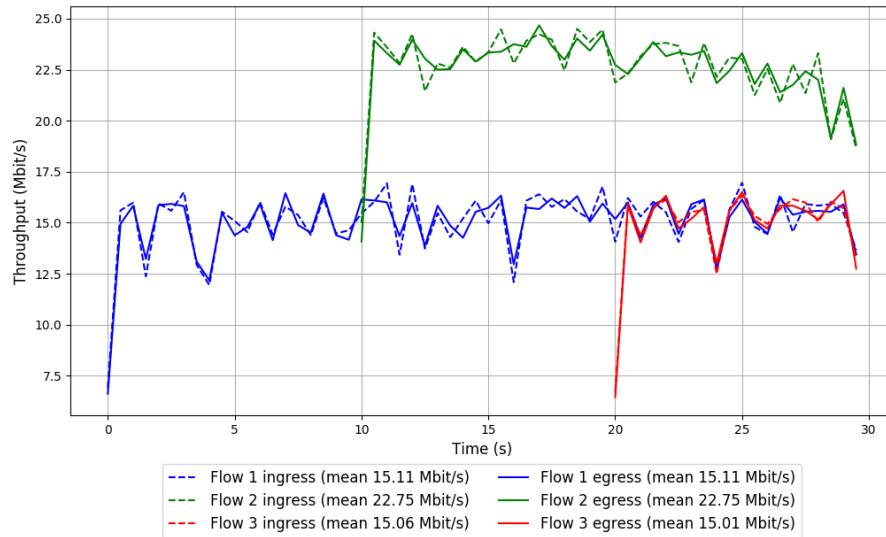


Run 8: Statistics of Sprout

```
Start at: 2017-09-08 00:03:47
End at: 2017-09-08 00:04:17
Local clock offset: -3.464 ms
Remote clock offset: -3.982 ms

# Below is generated by plot.py at 2017-09-08 04:40:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 30.590 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 29.965 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 31.158 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 15.01 Mbit/s
95th percentile per-packet one-way delay: 31.217 ms
Loss rate: 0.35%
```

Run 8: Report of Sprout — Data Link

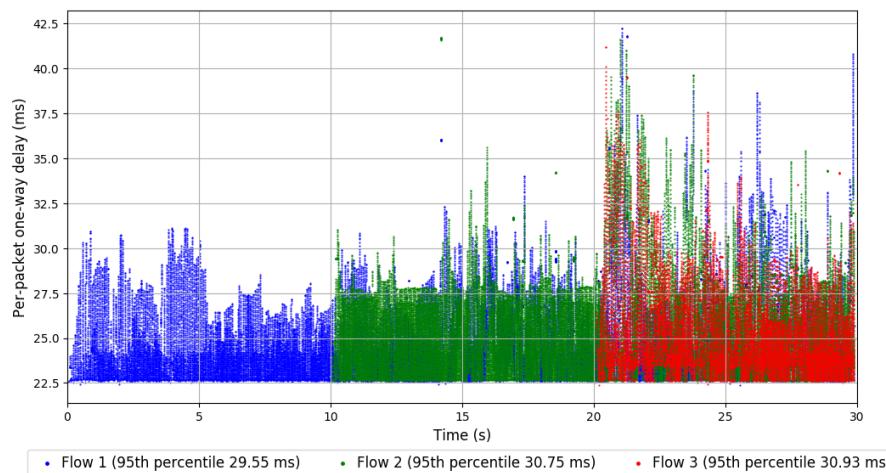
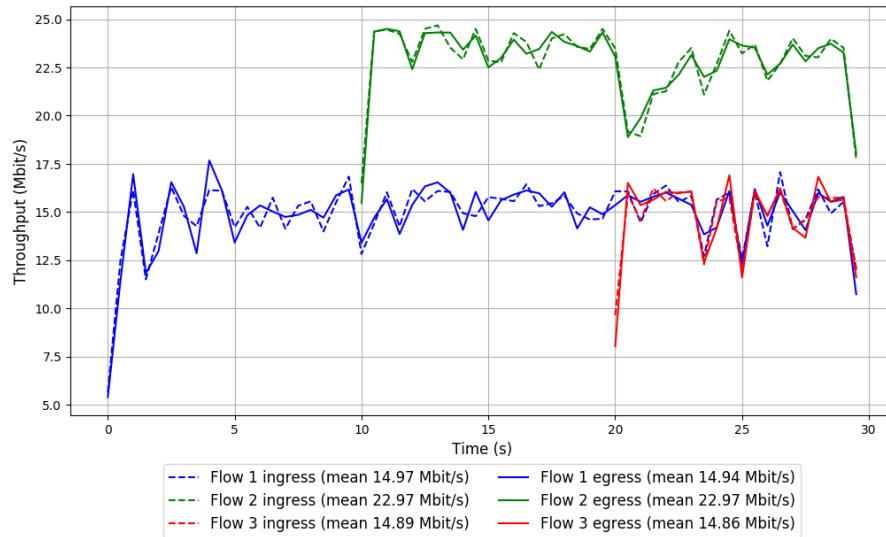


Run 9: Statistics of Sprout

```
Start at: 2017-09-08 00:22:37
End at: 2017-09-08 00:23:07
Local clock offset: -3.728 ms
Remote clock offset: -3.717 ms

# Below is generated by plot.py at 2017-09-08 04:40:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 30.230 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 29.548 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 30.747 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 14.86 Mbit/s
95th percentile per-packet one-way delay: 30.929 ms
Loss rate: 0.38%
```

Run 9: Report of Sprout — Data Link

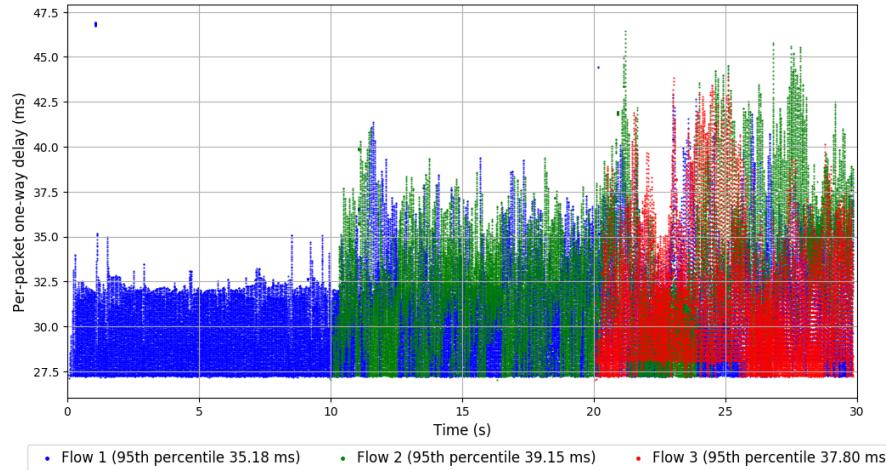
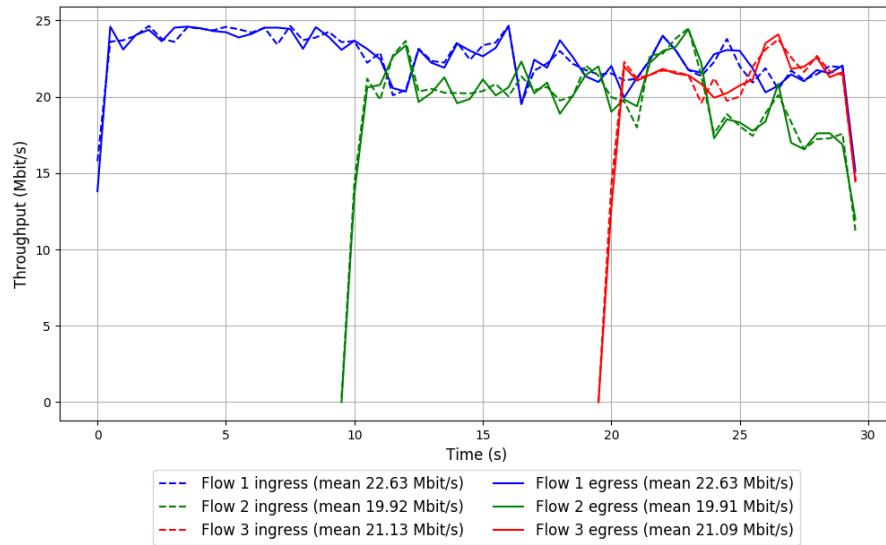


Run 10: Statistics of Sprout

```
Start at: 2017-09-08 00:41:39
End at: 2017-09-08 00:42:09
Local clock offset: -0.324 ms
Remote clock offset: -4.813 ms

# Below is generated by plot.py at 2017-09-08 04:40:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 37.156 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 35.183 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 39.145 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 37.799 ms
Loss rate: 0.39%
```

Run 10: Report of Sprout — Data Link

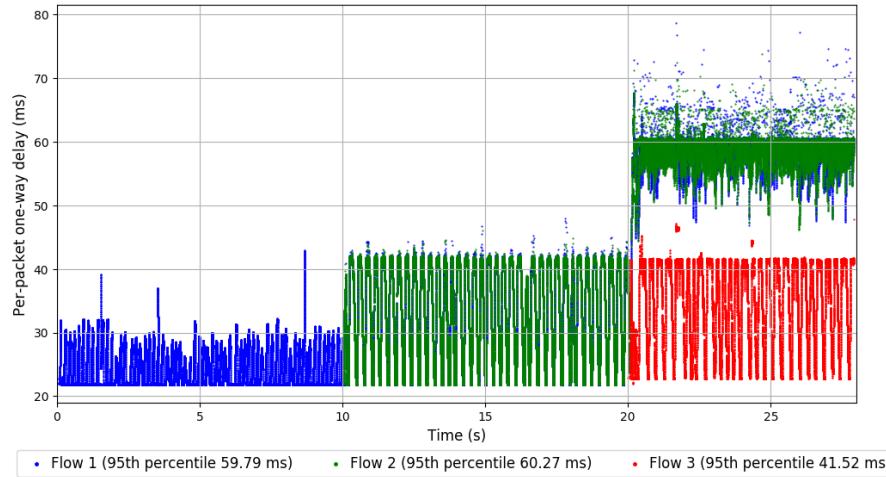
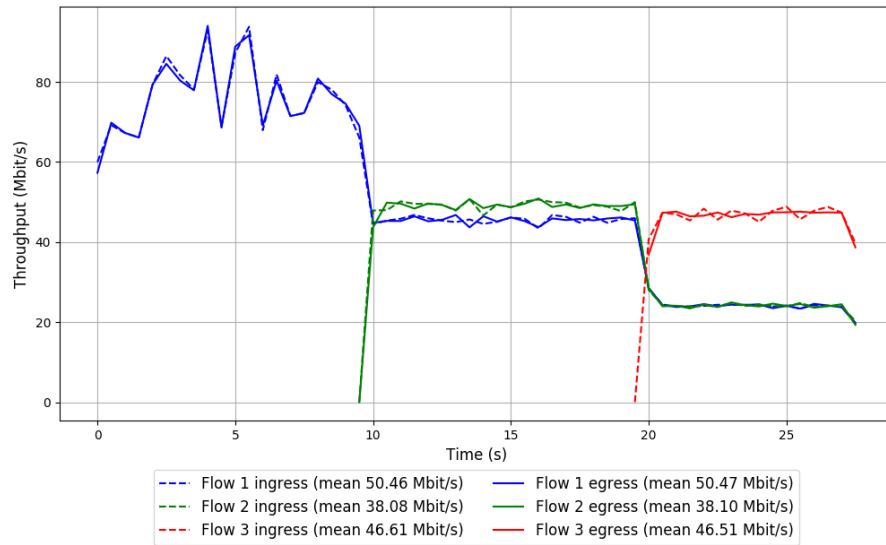


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-09-07 21:52:15
End at: 2017-09-07 21:52:45
Local clock offset: -0.667 ms
Remote clock offset: -2.577 ms

# Below is generated by plot.py at 2017-09-08 04:41:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 59.902 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 50.47 Mbit/s
95th percentile per-packet one-way delay: 59.786 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 60.266 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 41.520 ms
Loss rate: 0.67%
```

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

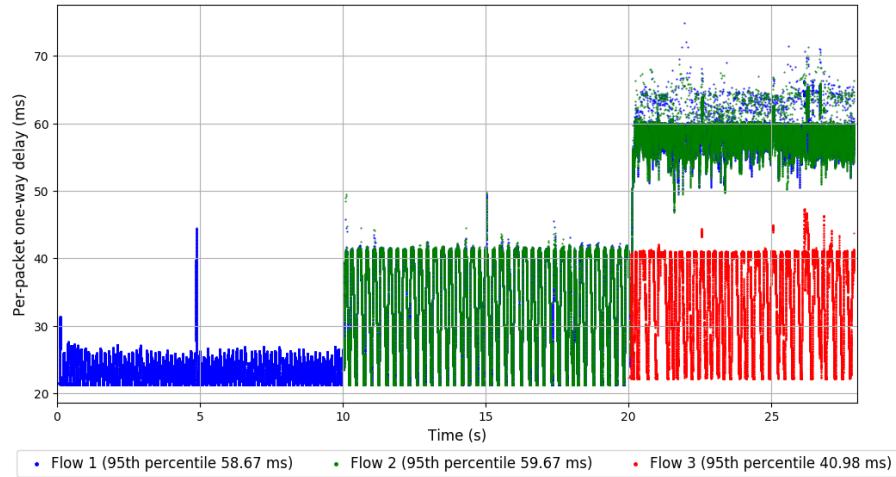
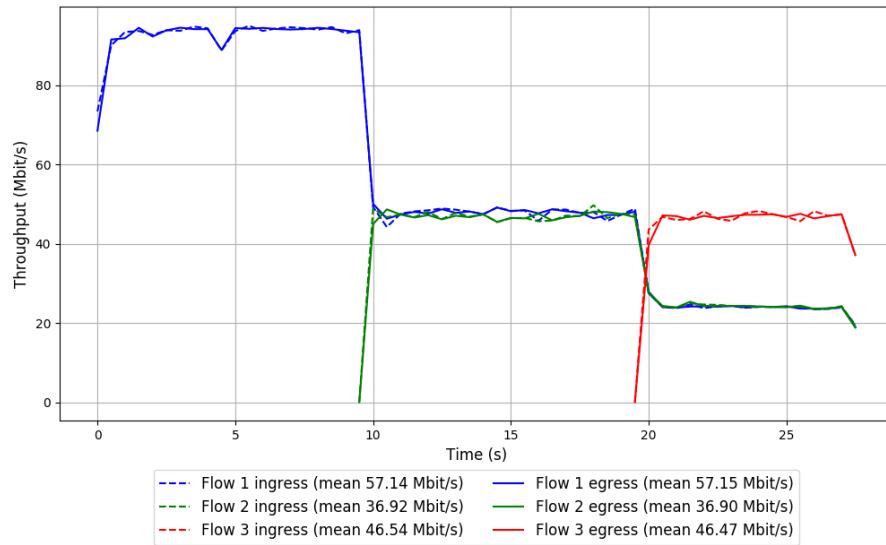


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-09-07 22:10:32
End at: 2017-09-07 22:11:02
Local clock offset: -2.068 ms
Remote clock offset: -2.495 ms

# Below is generated by plot.py at 2017-09-08 04:41:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 58.947 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 58.666 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 59.667 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 46.47 Mbit/s
95th percentile per-packet one-way delay: 40.984 ms
Loss rate: 0.50%
```

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

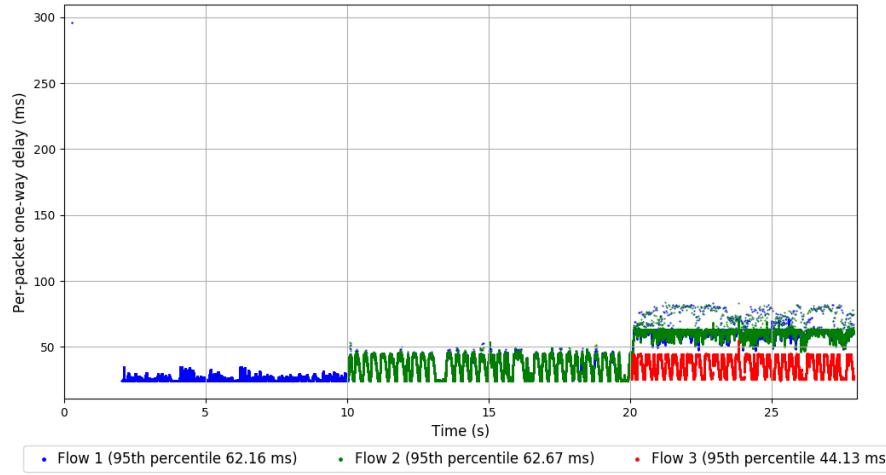
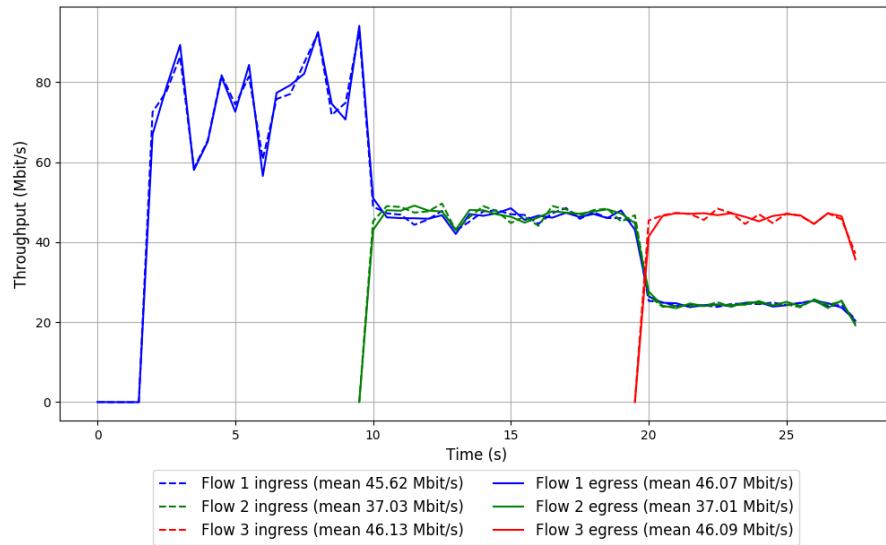


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-09-07 22:28:43
End at: 2017-09-07 22:29:13
Local clock offset: 0.151 ms
Remote clock offset: -2.638 ms

# Below is generated by plot.py at 2017-09-08 04:41:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 62.264 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 46.07 Mbit/s
95th percentile per-packet one-way delay: 62.165 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 62.675 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 44.128 ms
Loss rate: 0.42%
```

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



Run 4: Statistics of TaoVA-100x

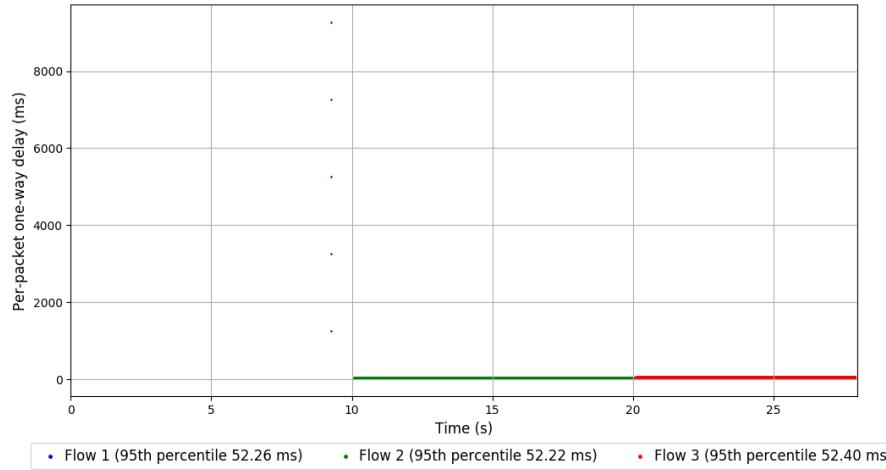
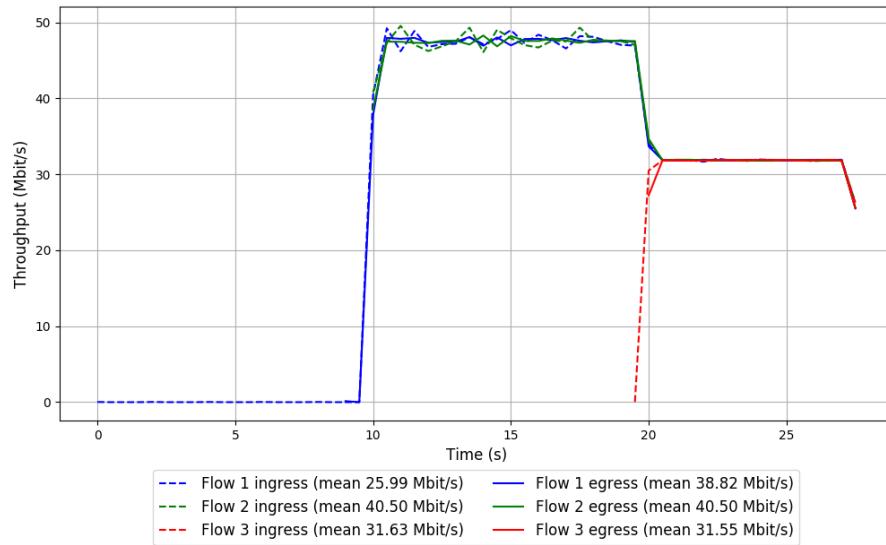
Start at: 2017-09-07 22:47:06

End at: 2017-09-07 22:47:36

Local clock offset: -2.796 ms

Remote clock offset: -3.927 ms

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

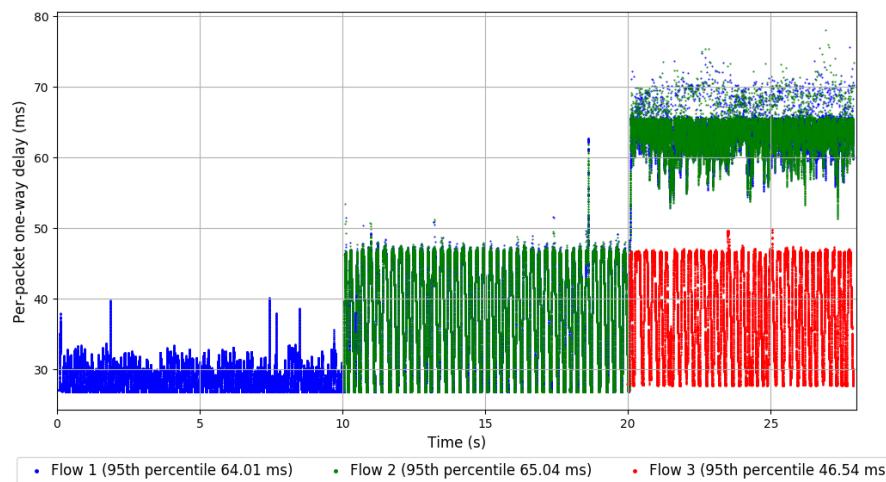
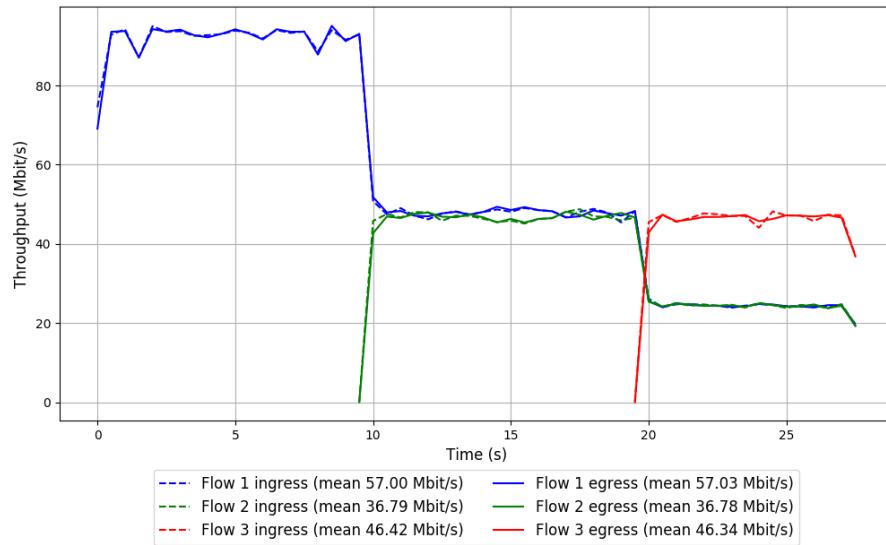


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-09-07 23:04:59
End at: 2017-09-07 23:05:29
Local clock offset: 0.569 ms
Remote clock offset: -4.153 ms

# Below is generated by plot.py at 2017-09-08 04:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 64.342 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 64.012 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 65.036 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 46.34 Mbit/s
95th percentile per-packet one-way delay: 46.541 ms
Loss rate: 0.56%
```

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

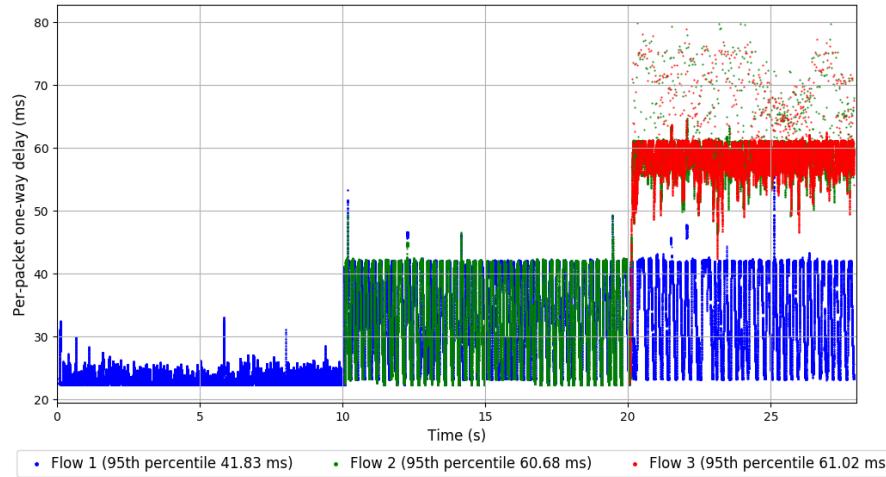
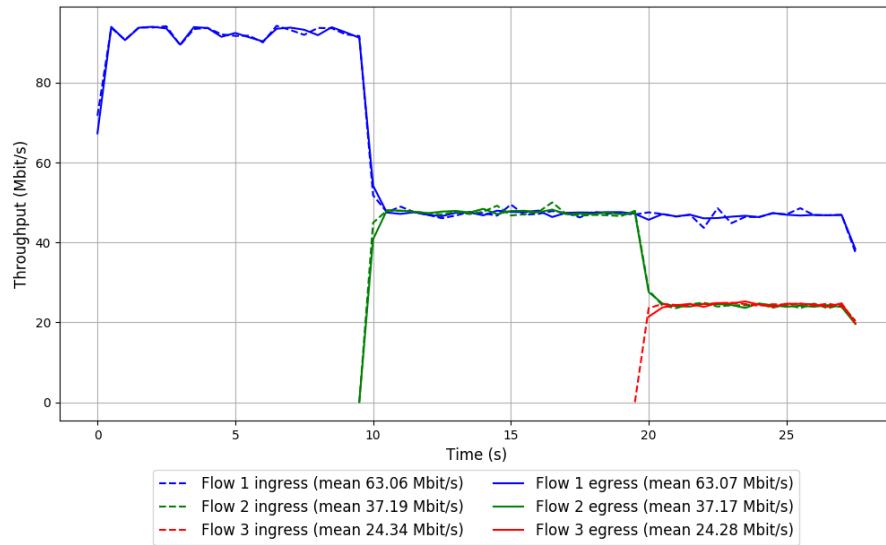


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-09-07 23:22:59
End at: 2017-09-07 23:23:29
Local clock offset: -3.142 ms
Remote clock offset: -3.16 ms

# Below is generated by plot.py at 2017-09-08 04:41:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 59.670 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 41.832 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 60.680 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 61.016 ms
Loss rate: 0.86%
```

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

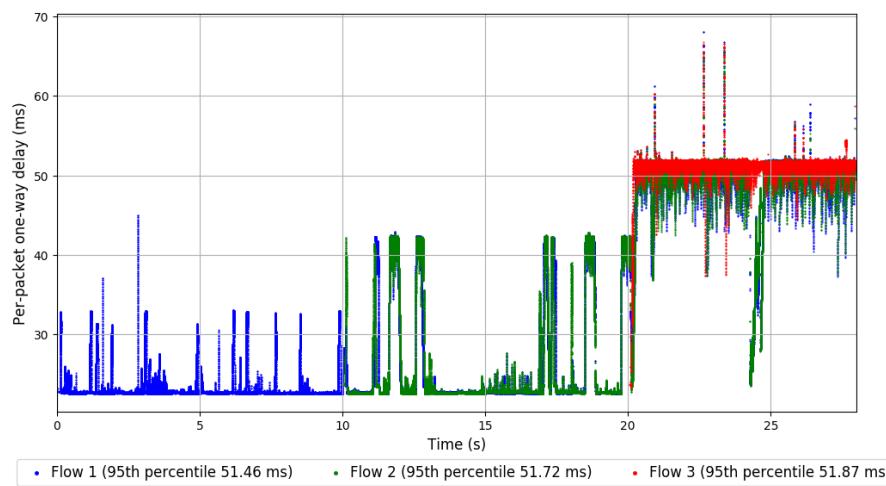
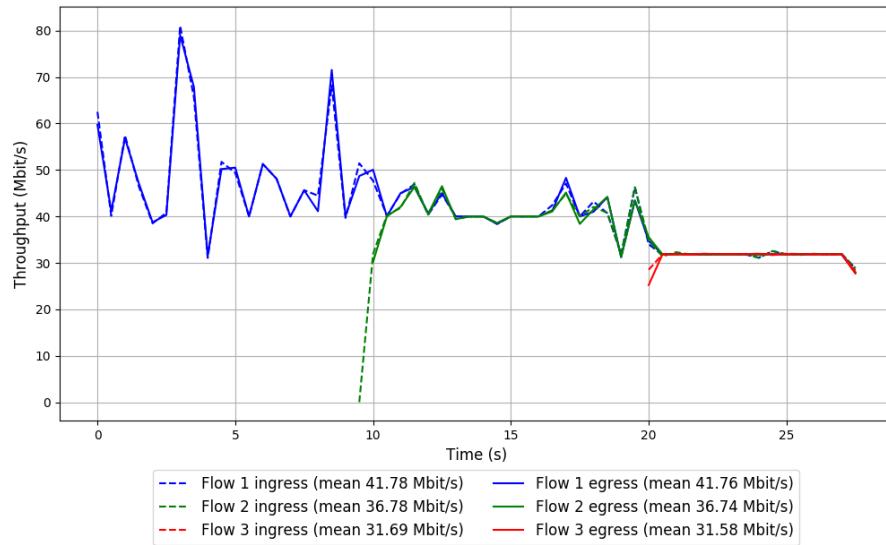


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-09-07 23:41:10
End at: 2017-09-07 23:41:40
Local clock offset: -3.709 ms
Remote clock offset: -3.793 ms

# Below is generated by plot.py at 2017-09-08 04:42:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.28 Mbit/s
95th percentile per-packet one-way delay: 51.710 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 51.463 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 51.723 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 51.869 ms
Loss rate: 0.78%
```

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

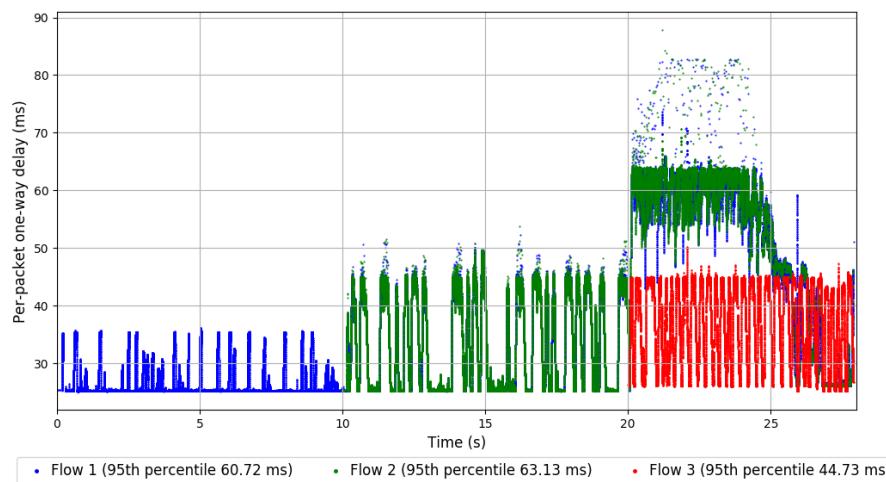
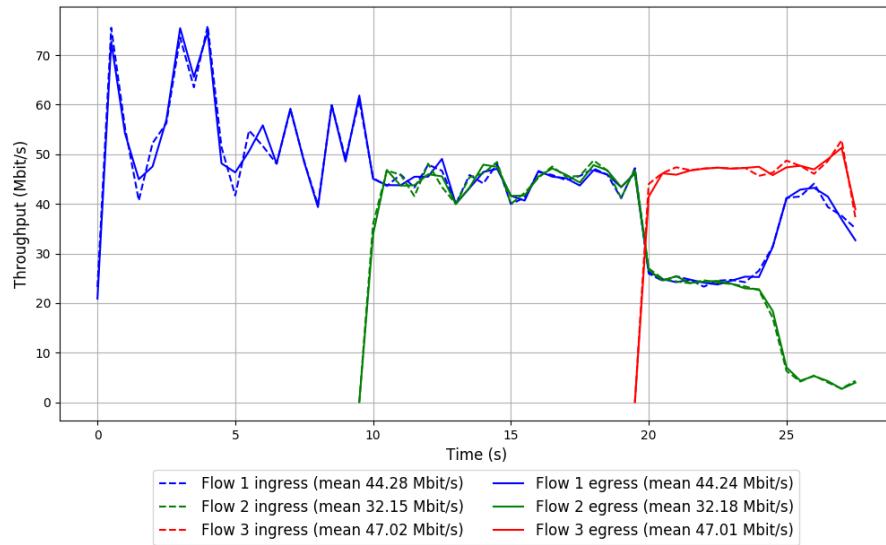


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-09-07 23:59:37
End at: 2017-09-08 00:00:07
Local clock offset: -0.365 ms
Remote clock offset: -2.706 ms

# Below is generated by plot.py at 2017-09-08 04:42:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 61.326 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 44.24 Mbit/s
95th percentile per-packet one-way delay: 60.722 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 63.126 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 44.735 ms
Loss rate: 0.38%
```

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

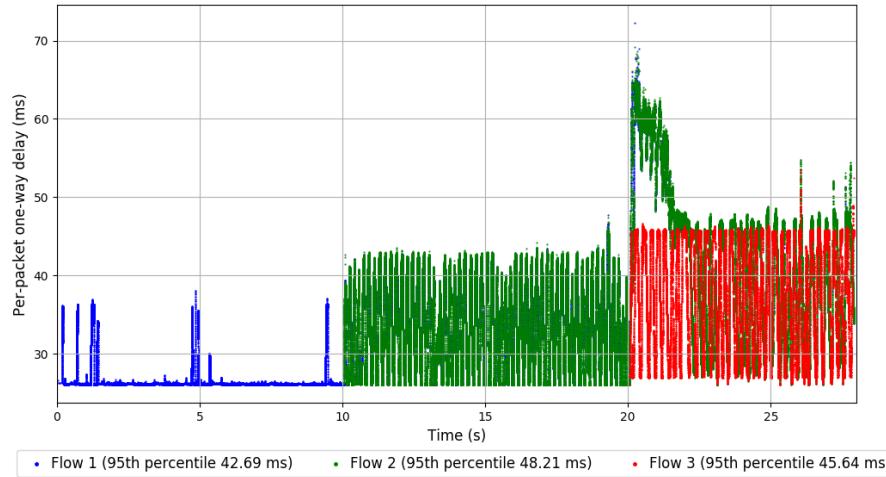
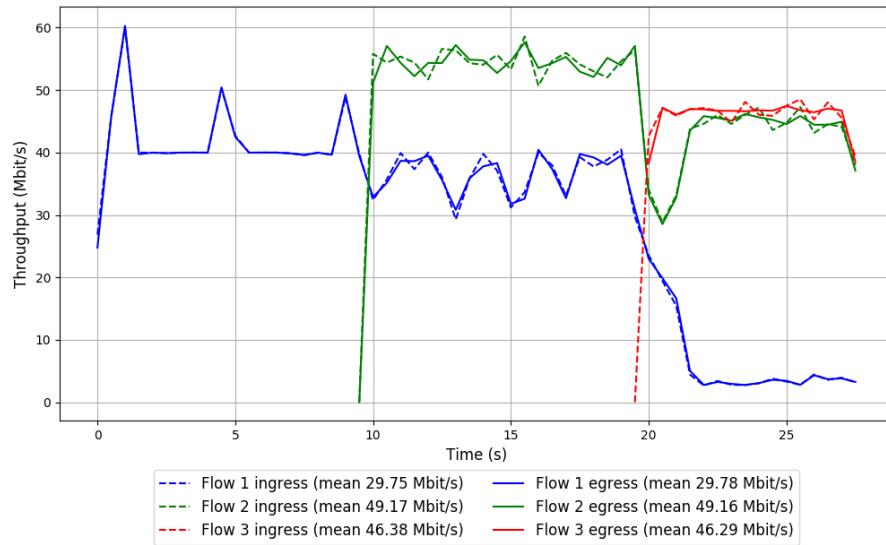


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-09-08 00:18:31
End at: 2017-09-08 00:19:01
Local clock offset: -1.212 ms
Remote clock offset: -4.602 ms

# Below is generated by plot.py at 2017-09-08 04:42:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.49 Mbit/s
95th percentile per-packet one-way delay: 46.993 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 29.78 Mbit/s
95th percentile per-packet one-way delay: 42.694 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 48.208 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 45.641 ms
Loss rate: 0.51%
```

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

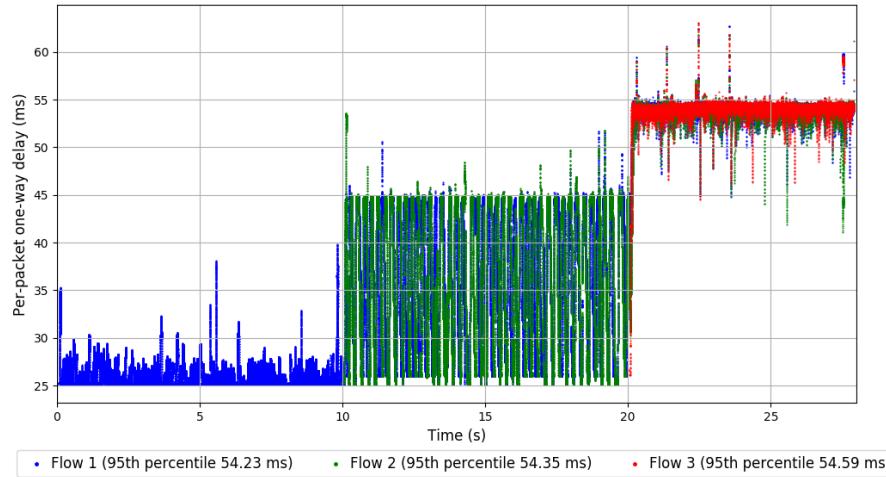
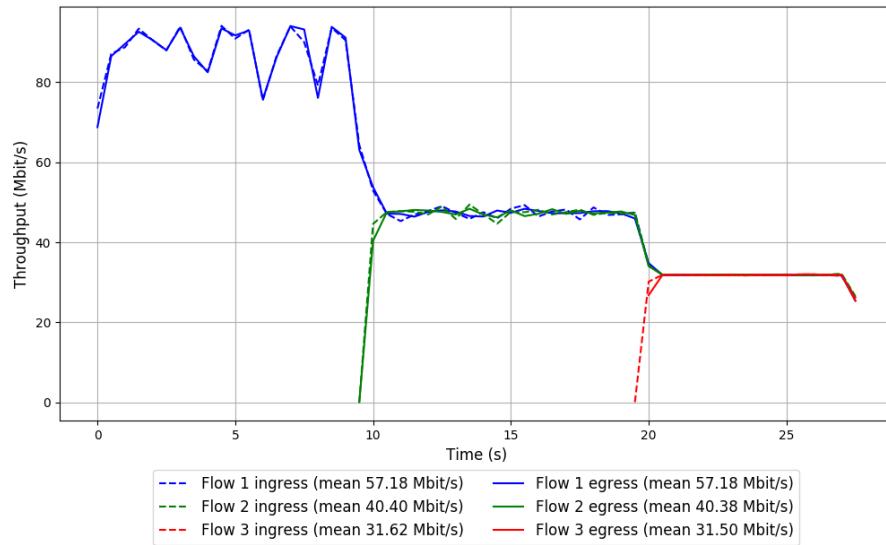


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-09-08 00:37:39
End at: 2017-09-08 00:38:09
Local clock offset: -1.556 ms
Remote clock offset: -4.053 ms

# Below is generated by plot.py at 2017-09-08 04:42:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 54.367 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 54.235 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 54.350 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 54.589 ms
Loss rate: 0.78%
```

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

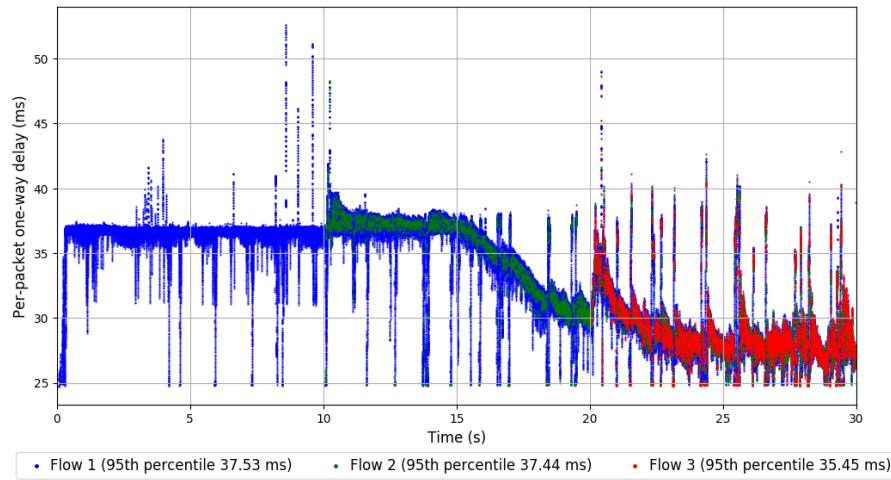
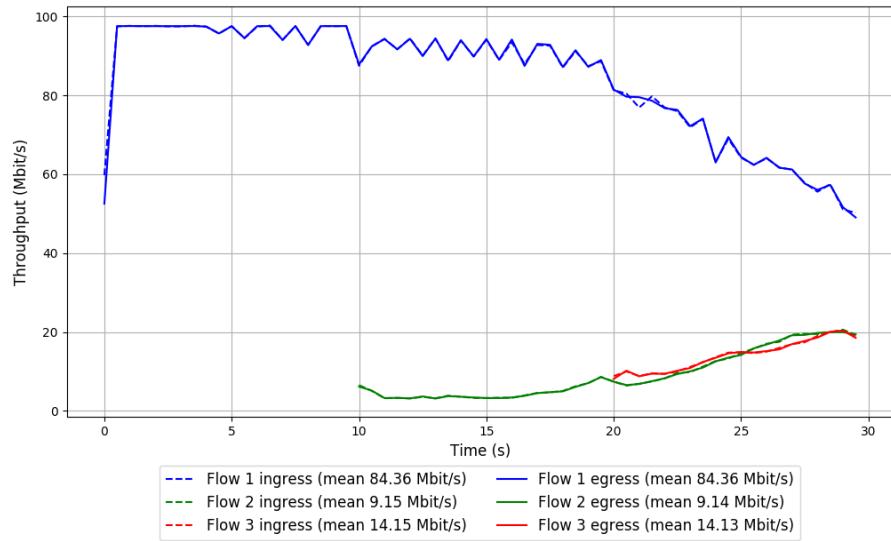


Run 1: Statistics of TCP Vegas

```
Start at: 2017-09-07 21:59:28
End at: 2017-09-07 21:59:58
Local clock offset: 2.105 ms
Remote clock offset: -2.425 ms

# Below is generated by plot.py at 2017-09-08 04:42:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 37.511 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 37.532 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 37.441 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 35.453 ms
Loss rate: 0.51%
```

Run 1: Report of TCP Vegas — Data Link

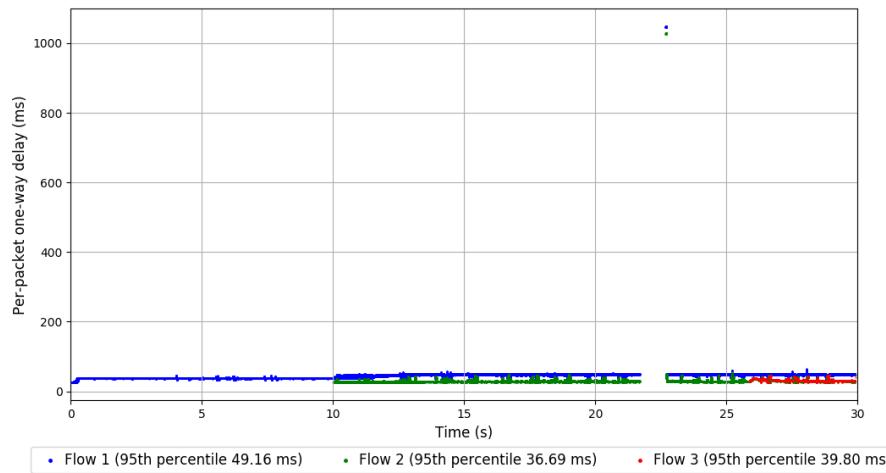
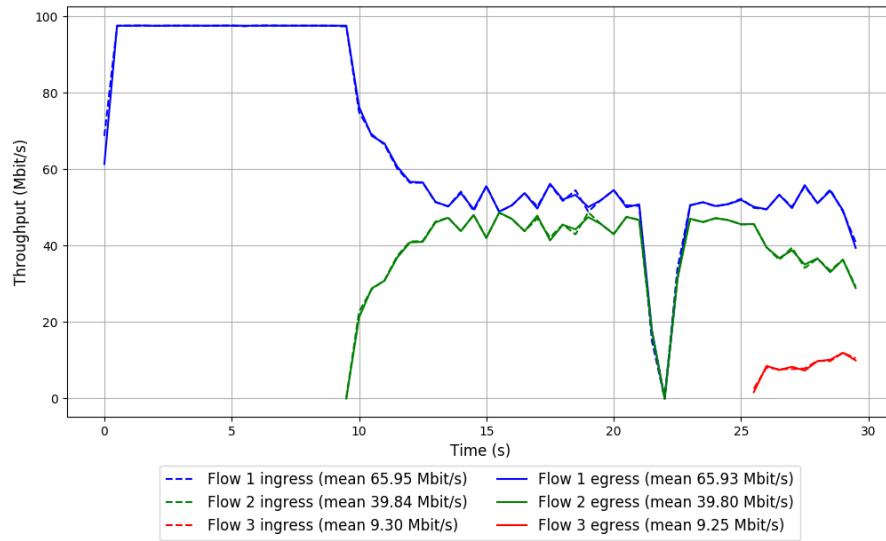


Run 2: Statistics of TCP Vegas

```
Start at: 2017-09-07 22:17:54
End at: 2017-09-07 22:18:24
Local clock offset: 0.986 ms
Remote clock offset: -3.256 ms

# Below is generated by plot.py at 2017-09-08 04:42:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 49.102 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 65.93 Mbit/s
95th percentile per-packet one-way delay: 49.160 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 36.689 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 39.801 ms
Loss rate: 1.23%
```

Run 2: Report of TCP Vegas — Data Link

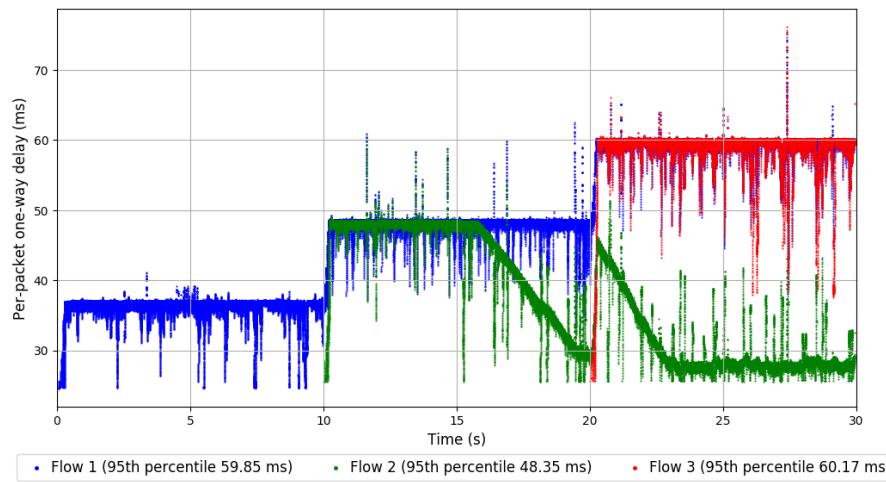
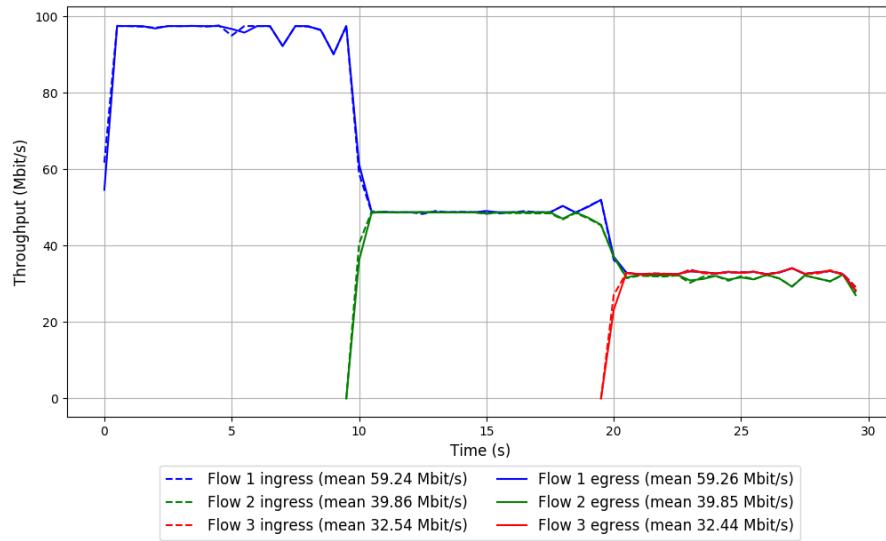


Run 3: Statistics of TCP Vegas

```
Start at: 2017-09-07 22:36:07
End at: 2017-09-07 22:36:37
Local clock offset: -0.299 ms
Remote clock offset: -3.176 ms

# Below is generated by plot.py at 2017-09-08 04:42:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 59.933 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 59.849 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.85 Mbit/s
95th percentile per-packet one-way delay: 48.346 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 60.166 ms
Loss rate: 0.72%
```

Run 3: Report of TCP Vegas — Data Link

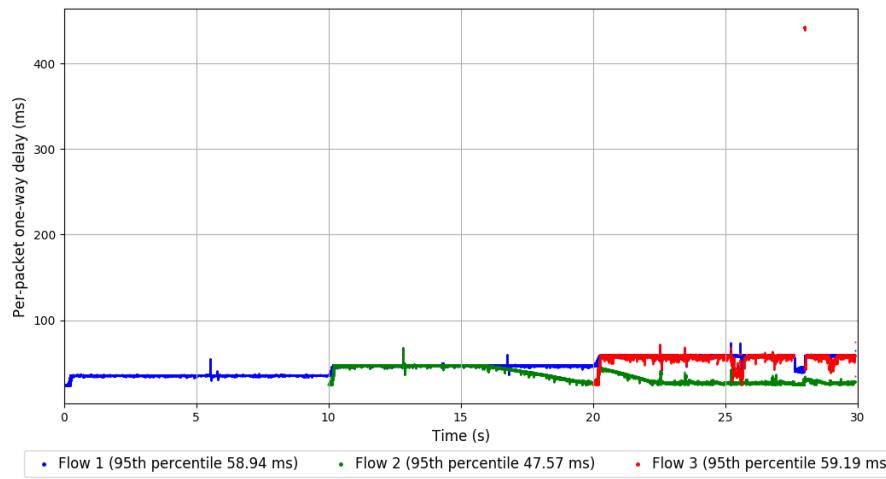
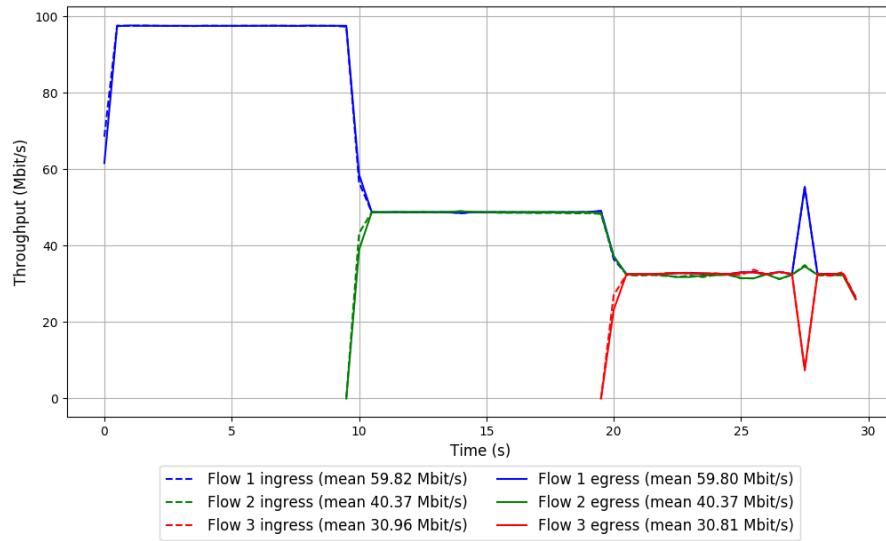


Run 4: Statistics of TCP Vegas

```
Start at: 2017-09-07 22:54:16
End at: 2017-09-07 22:54:46
Local clock offset: -0.823 ms
Remote clock offset: -2.488 ms

# Below is generated by plot.py at 2017-09-08 04:42:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 58.968 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 58.943 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 47.566 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 59.188 ms
Loss rate: 0.67%
```

Run 4: Report of TCP Vegas — Data Link

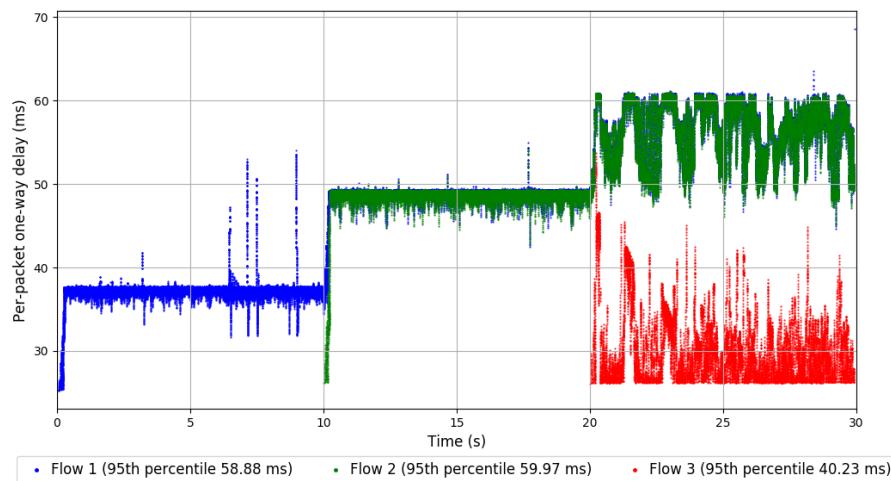
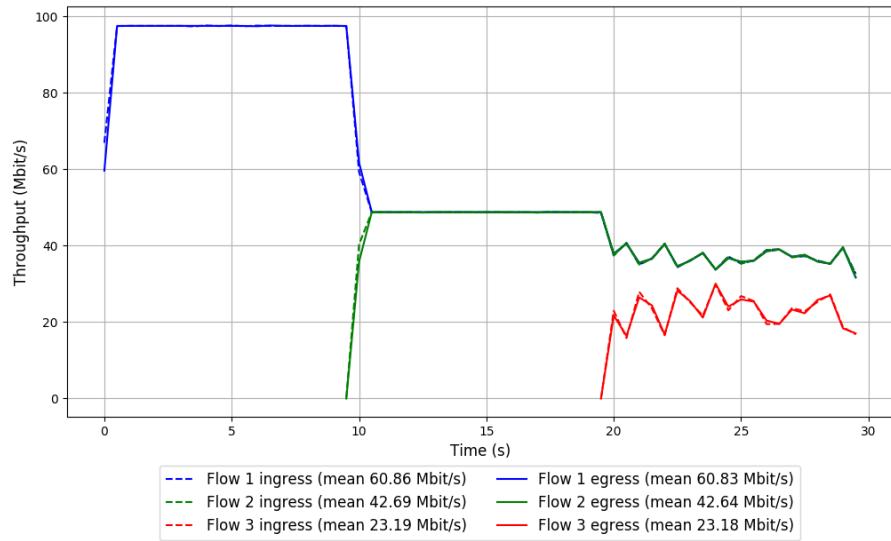


Run 5: Statistics of TCP Vegas

```
Start at: 2017-09-07 23:12:11
End at: 2017-09-07 23:12:41
Local clock offset: -0.297 ms
Remote clock offset: -3.347 ms

# Below is generated by plot.py at 2017-09-08 04:43:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 59.317 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 58.880 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 59.968 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 40.228 ms
Loss rate: 0.34%
```

Run 5: Report of TCP Vegas — Data Link

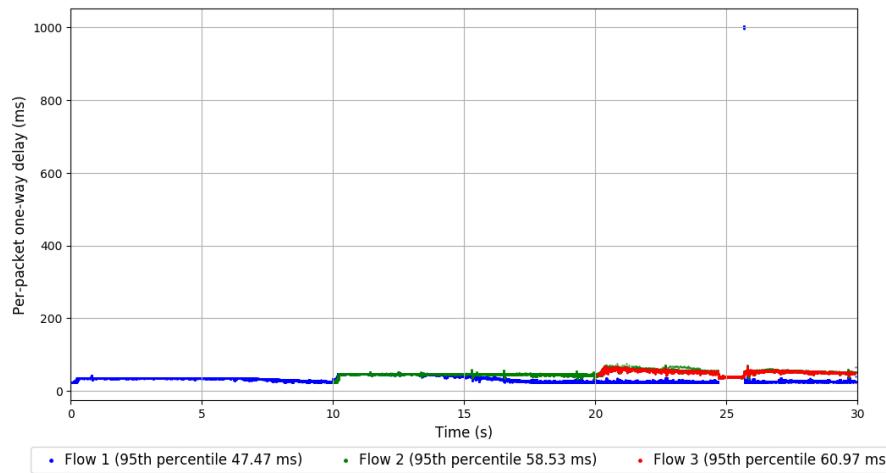
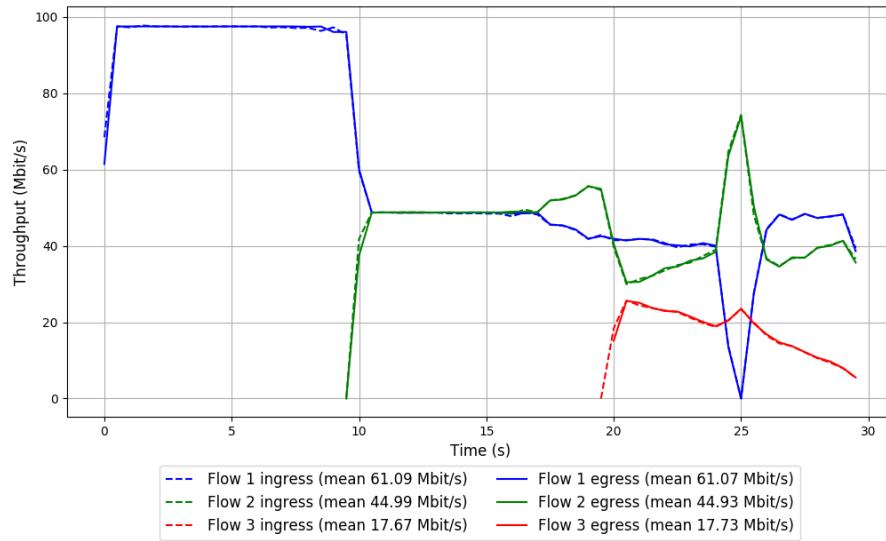


Run 6: Statistics of TCP Vegas

```
Start at: 2017-09-07 23:30:19
End at: 2017-09-07 23:30:49
Local clock offset: -2.06 ms
Remote clock offset: -3.832 ms

# Below is generated by plot.py at 2017-09-08 04:43:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 56.387 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 47.473 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 58.530 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 17.73 Mbit/s
95th percentile per-packet one-way delay: 60.973 ms
Loss rate: 0.20%
```

Run 6: Report of TCP Vegas — Data Link

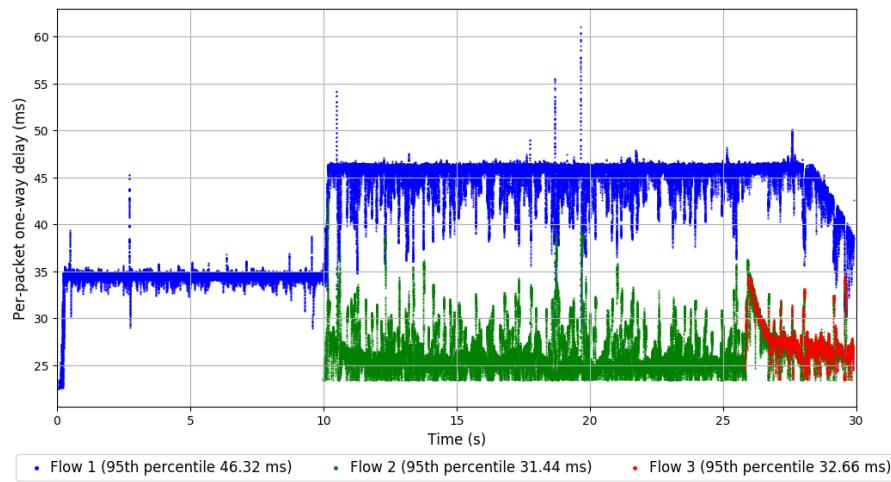
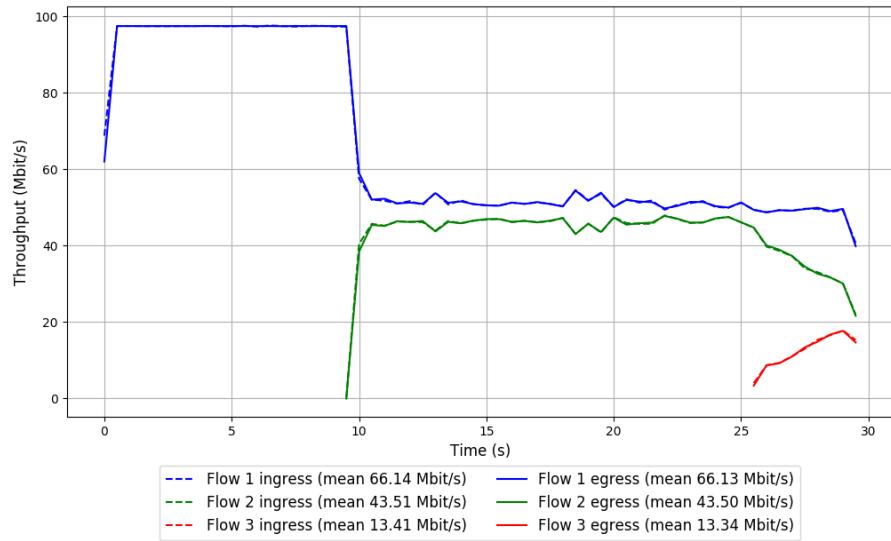


Run 7: Statistics of TCP Vegas

```
Start at: 2017-09-07 23:48:23
End at: 2017-09-07 23:48:53
Local clock offset: -3.651 ms
Remote clock offset: -3.582 ms

# Below is generated by plot.py at 2017-09-08 04:43:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 46.268 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 46.322 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 43.50 Mbit/s
95th percentile per-packet one-way delay: 31.443 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 32.659 ms
Loss rate: 1.34%
```

Run 7: Report of TCP Vegas — Data Link

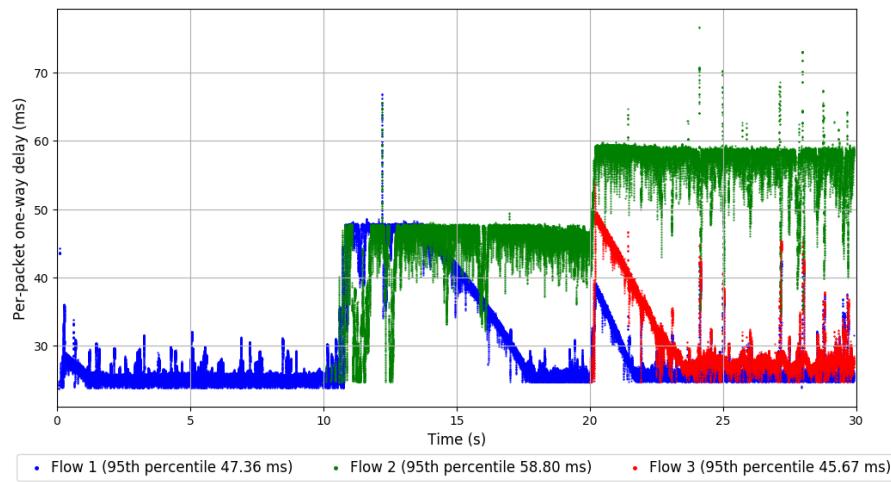
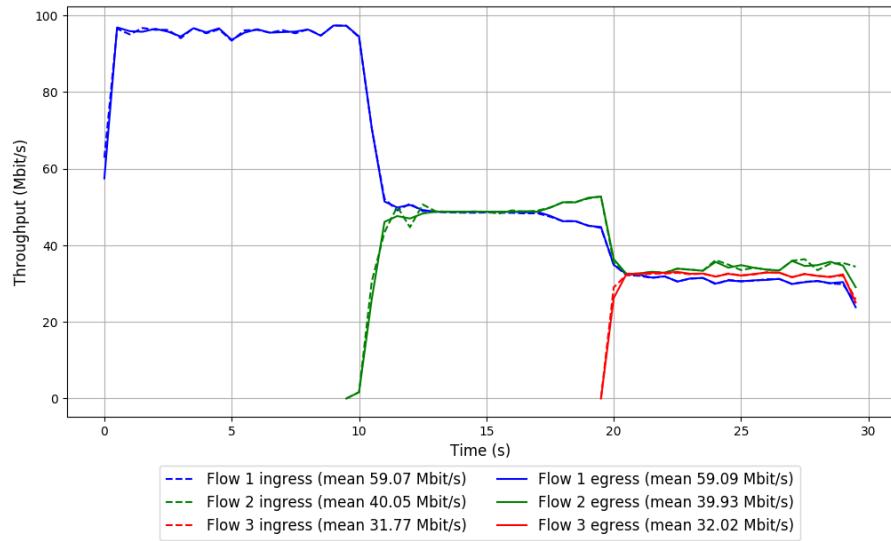


Run 8: Statistics of TCP Vegas

```
Start at: 2017-09-08 00:07:22
End at: 2017-09-08 00:07:52
Local clock offset: -3.553 ms
Remote clock offset: -4.697 ms

# Below is generated by plot.py at 2017-09-08 04:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 58.038 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 47.364 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 58.803 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 32.02 Mbit/s
95th percentile per-packet one-way delay: 45.671 ms
Loss rate: 0.38%
```

Run 8: Report of TCP Vegas — Data Link

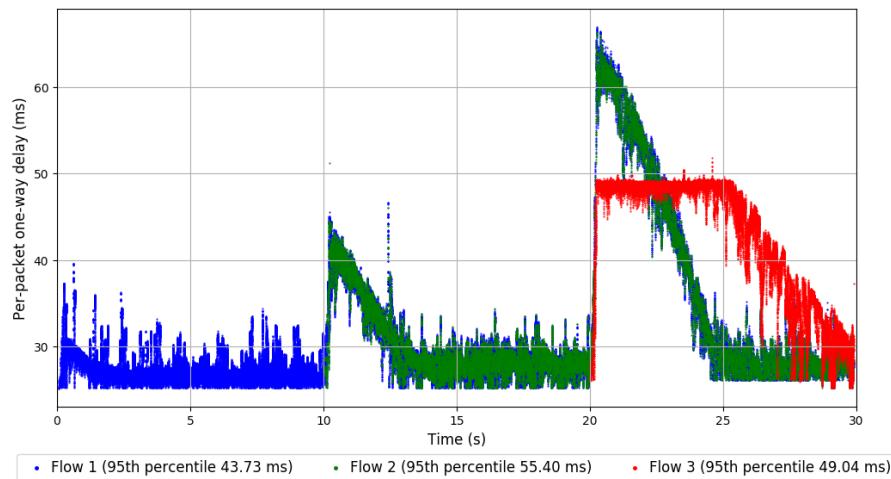
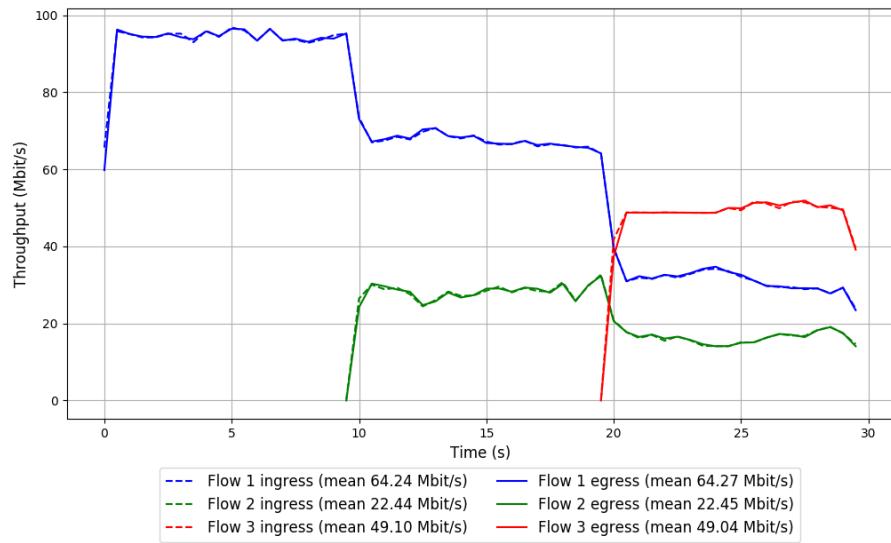


Run 9: Statistics of TCP Vegas

```
Start at: 2017-09-08 00:26:08
End at: 2017-09-08 00:26:38
Local clock offset: -0.785 ms
Remote clock offset: -3.4 ms

# Below is generated by plot.py at 2017-09-08 04:43:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 48.994 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 43.732 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: 55.401 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 49.043 ms
Loss rate: 0.36%
```

Run 9: Report of TCP Vegas — Data Link

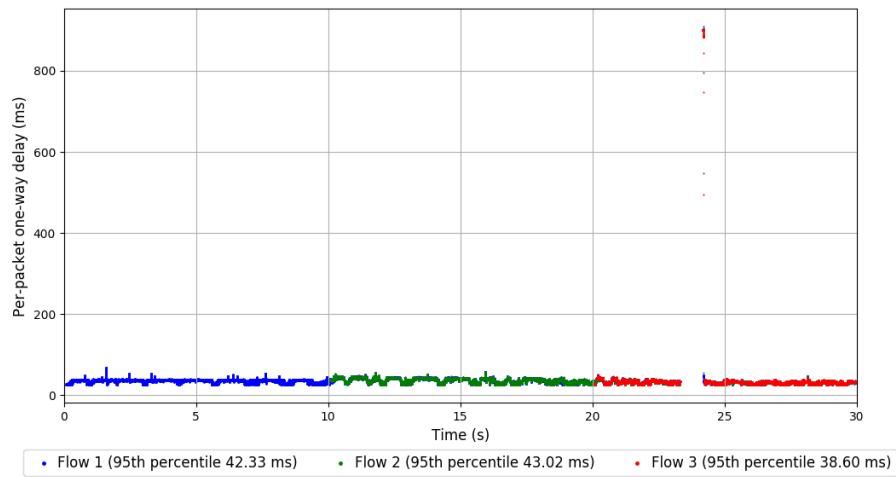
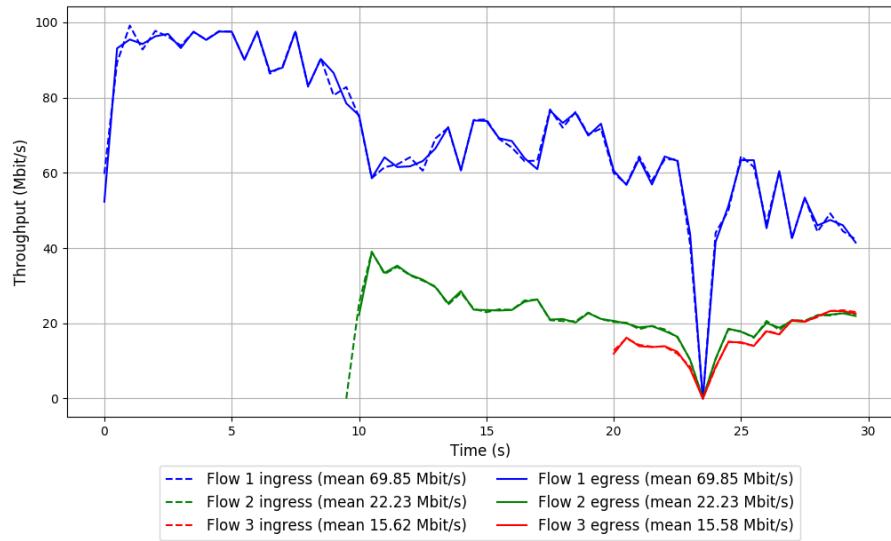


Run 10: Statistics of TCP Vegas

```
Start at: 2017-09-08 00:45:14
End at: 2017-09-08 00:45:44
Local clock offset: -1.535 ms
Remote clock offset: -4.543 ms

# Below is generated by plot.py at 2017-09-08 04:43:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 42.438 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 42.334 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 43.016 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 38.605 ms
Loss rate: 0.56%
```

Run 10: Report of TCP Vegas — Data Link

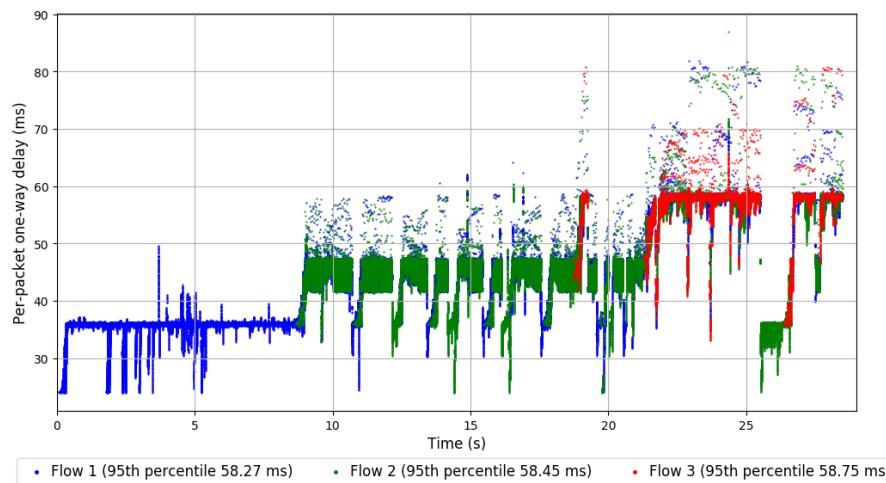
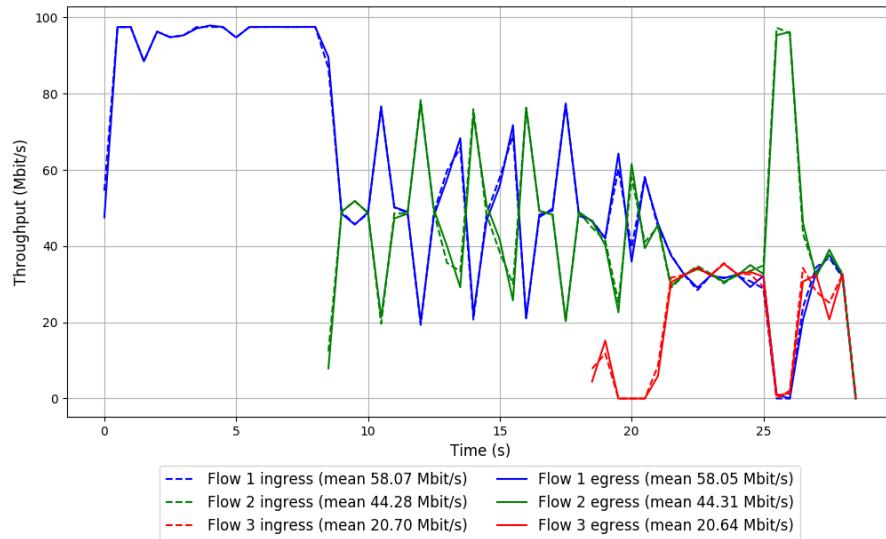


Run 1: Statistics of Verus

```
Start at: 2017-09-07 22:01:55
End at: 2017-09-07 22:02:25
Local clock offset: 1.301 ms
Remote clock offset: -2.293 ms

# Below is generated by plot.py at 2017-09-08 04:43:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 58.470 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 58.275 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 58.448 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 20.64 Mbit/s
95th percentile per-packet one-way delay: 58.748 ms
Loss rate: 1.06%
```

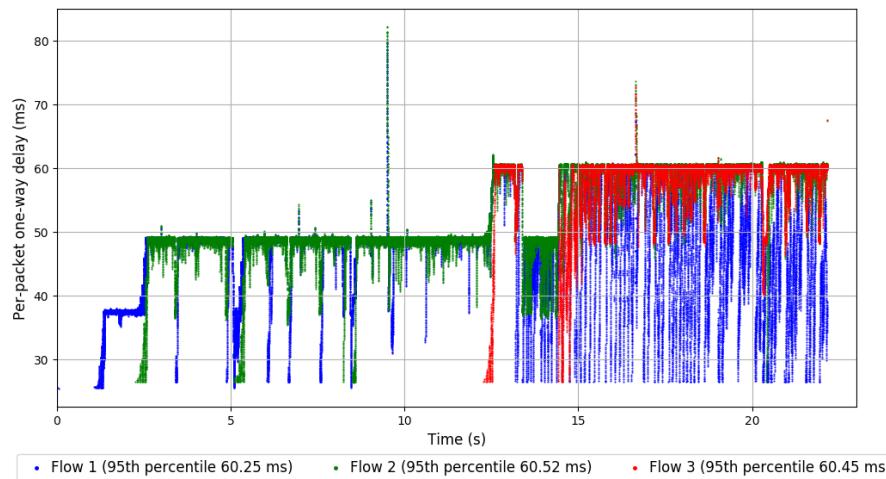
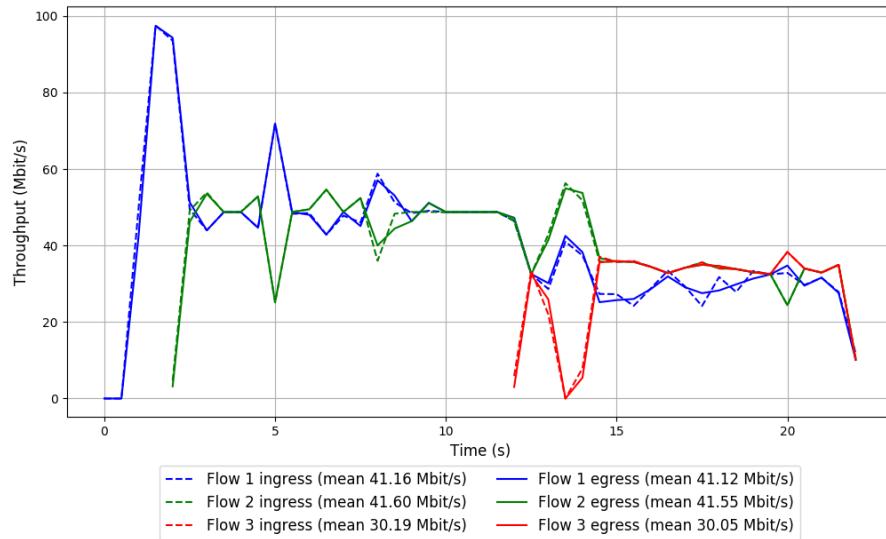
Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-09-07 22:20:15
End at: 2017-09-07 22:20:45
Local clock offset: 1.246 ms
Remote clock offset: -2.932 ms

Run 2: Report of Verus — Data Link

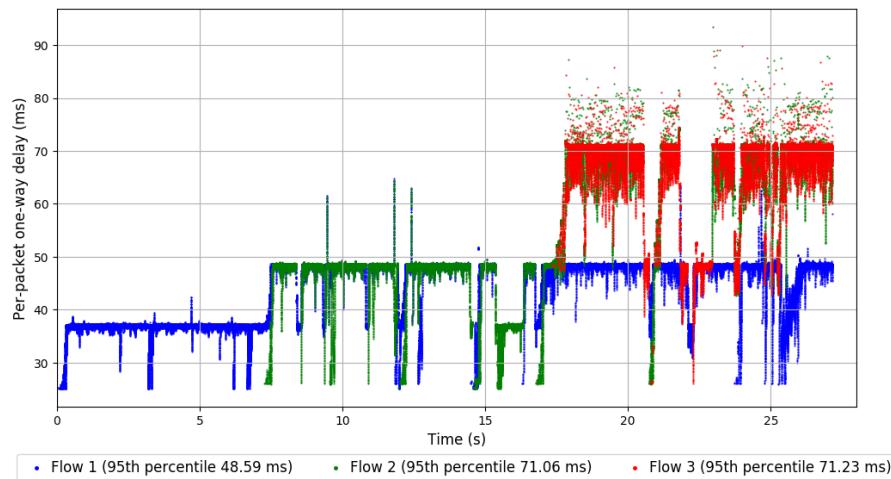
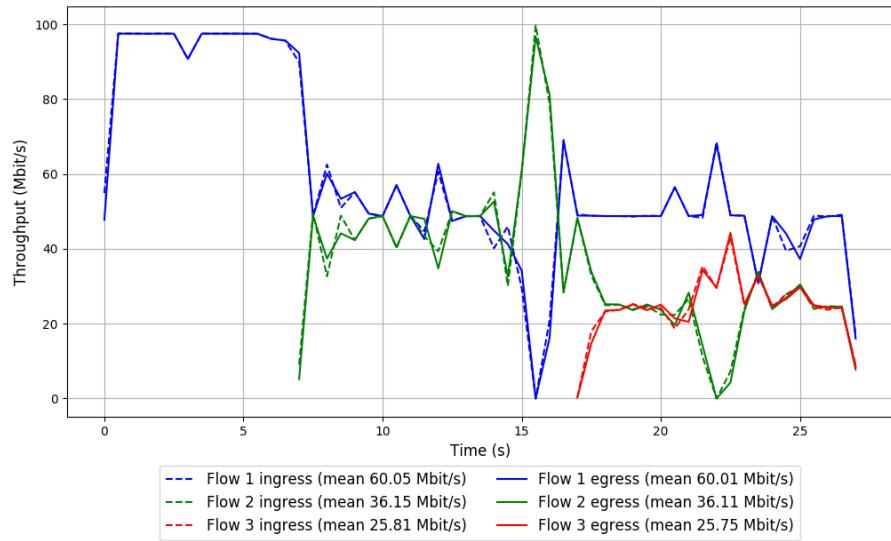


Run 3: Statistics of Verus

```
Start at: 2017-09-07 22:38:33
End at: 2017-09-07 22:39:03
Local clock offset: 0.379 ms
Remote clock offset: -2.926 ms

# Below is generated by plot.py at 2017-09-08 04:43:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 70.341 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 48.592 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 71.065 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 71.235 ms
Loss rate: 0.75%
```

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-09-07 22:56:38
End at: 2017-09-07 22:57:08
Local clock offset: -0.099 ms
Remote clock offset: -3.142 ms

Run 4: Report of Verus — Data Link

Figure is missing

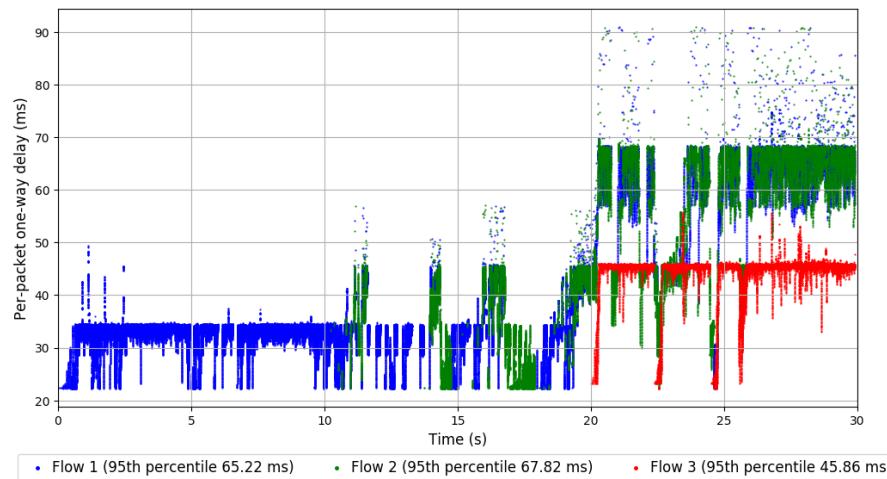
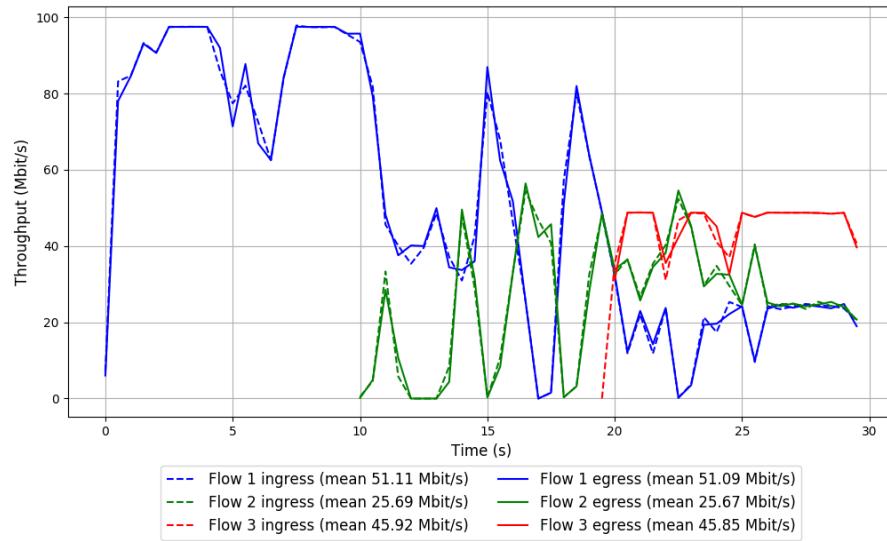
Figure is missing

Run 5: Statistics of Verus

```
Start at: 2017-09-07 23:14:33
End at: 2017-09-07 23:15:03
Local clock offset: -3.475 ms
Remote clock offset: -3.486 ms

# Below is generated by plot.py at 2017-09-08 04:43:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.29 Mbit/s
95th percentile per-packet one-way delay: 66.100 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 51.09 Mbit/s
95th percentile per-packet one-way delay: 65.223 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 25.67 Mbit/s
95th percentile per-packet one-way delay: 67.816 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 45.863 ms
Loss rate: 0.60%
```

Run 5: Report of Verus — Data Link

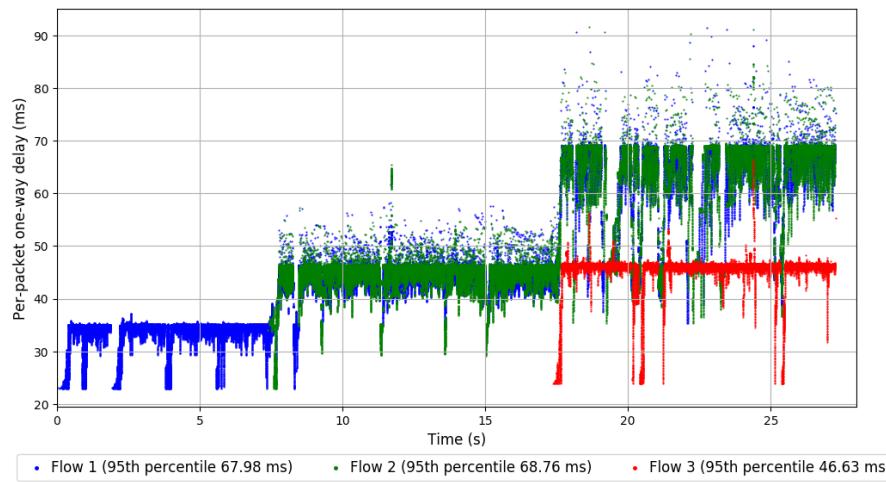
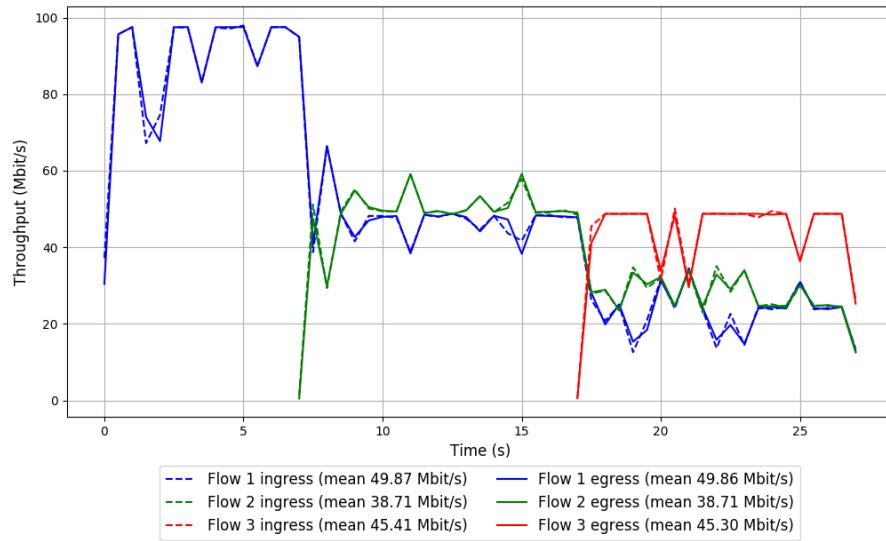


Run 6: Statistics of Verus

```
Start at: 2017-09-07 23:32:46
End at: 2017-09-07 23:33:16
Local clock offset: -3.057 ms
Remote clock offset: -3.831 ms

# Below is generated by plot.py at 2017-09-08 04:44:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 68.088 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 67.981 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 68.761 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 45.30 Mbit/s
95th percentile per-packet one-way delay: 46.626 ms
Loss rate: 0.60%
```

Run 6: Report of Verus — Data Link

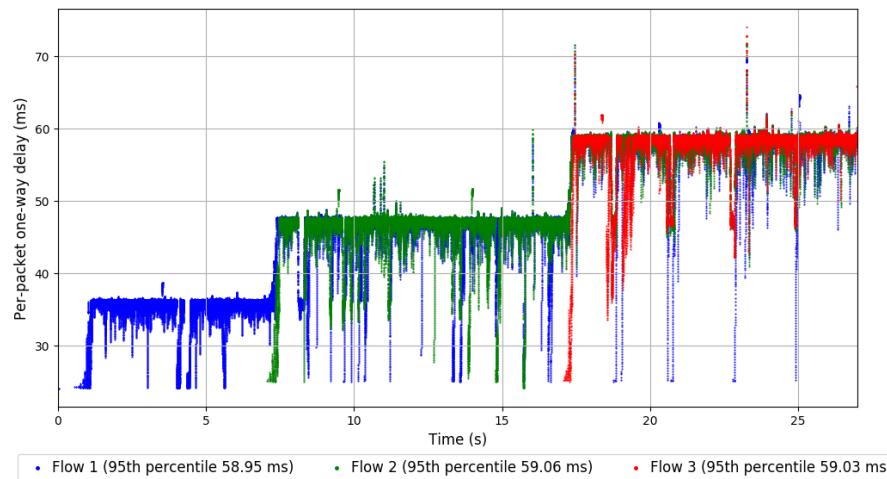
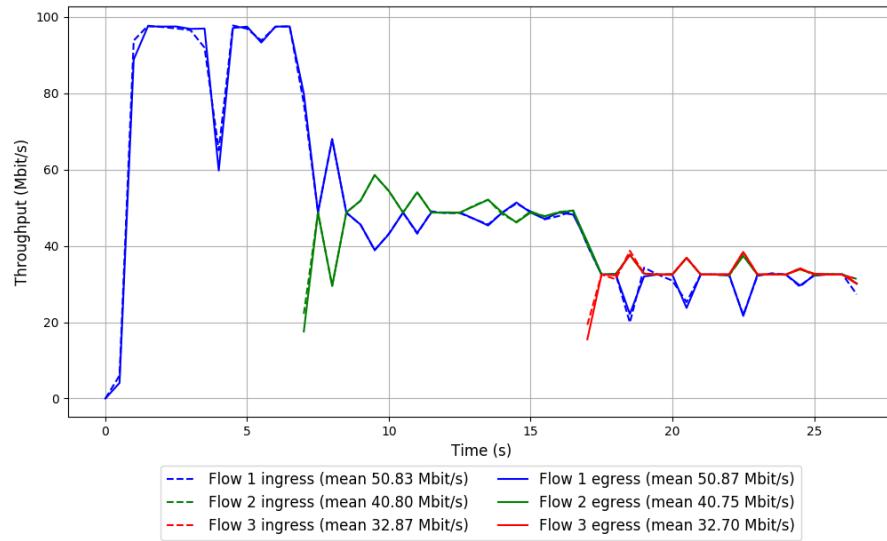


Run 7: Statistics of Verus

```
Start at: 2017-09-07 23:50:48
End at: 2017-09-07 23:51:18
Local clock offset: -0.815 ms
Remote clock offset: -2.262 ms

# Below is generated by plot.py at 2017-09-08 04:44:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 59.010 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 50.87 Mbit/s
95th percentile per-packet one-way delay: 58.950 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 59.064 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 59.028 ms
Loss rate: 0.77%
```

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

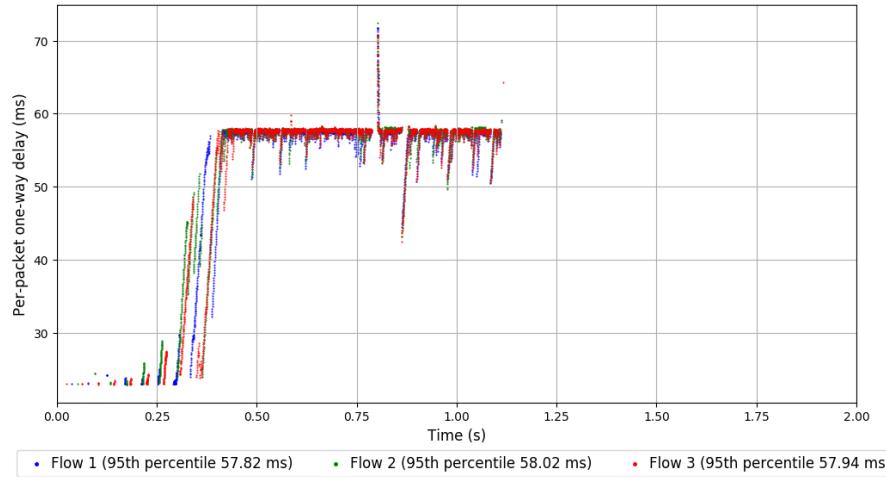
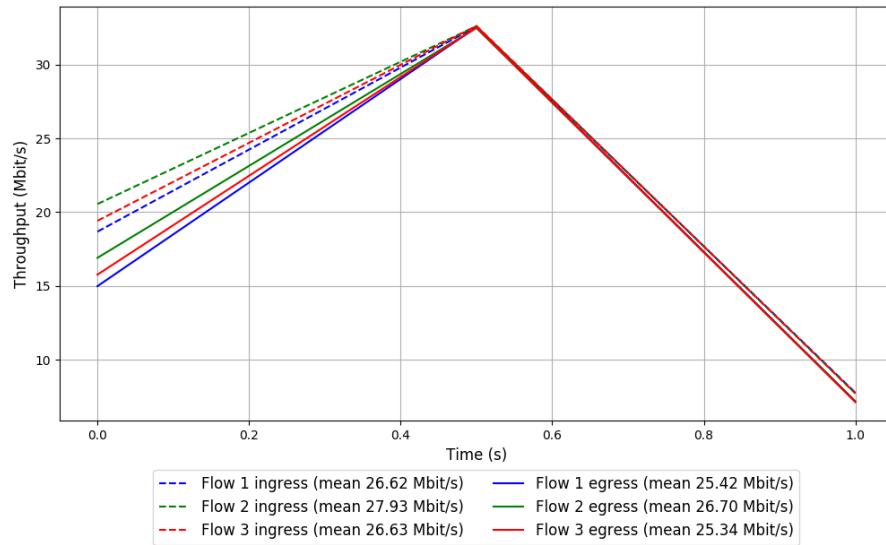
Start at: 2017-09-08 00:09:52

End at: 2017-09-08 00:10:22

Local clock offset: -3.813 ms

Remote clock offset: -4.049 ms

Run 8: Report of Verus — Data Link

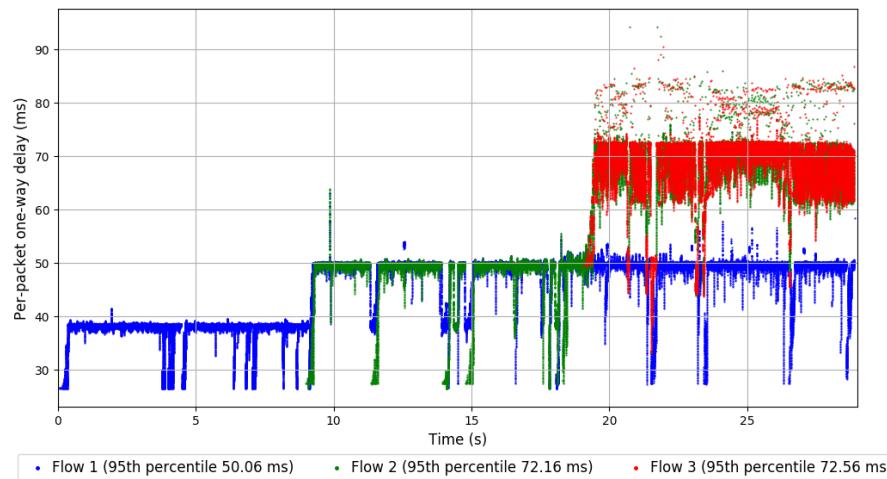
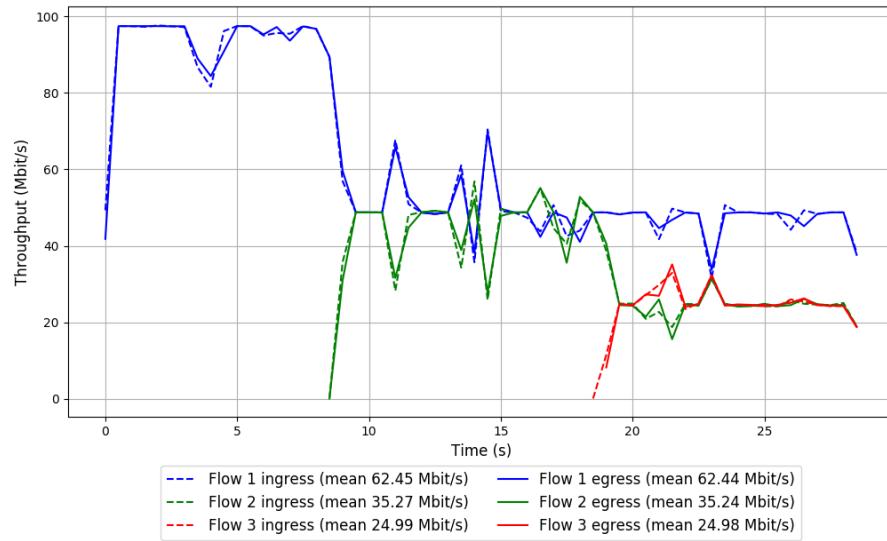


Run 9: Statistics of Verus

```
Start at: 2017-09-08 00:28:35
End at: 2017-09-08 00:29:05
Local clock offset: 0.063 ms
Remote clock offset: -3.735 ms

# Below is generated by plot.py at 2017-09-08 04:44:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 71.192 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 50.063 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 35.24 Mbit/s
95th percentile per-packet one-way delay: 72.155 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 72.559 ms
Loss rate: 0.67%
```

Run 9: Report of Verus — Data Link

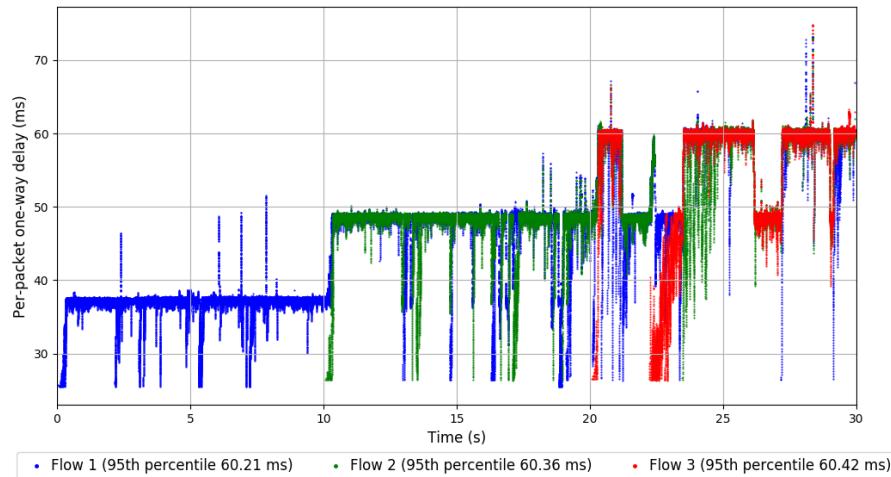
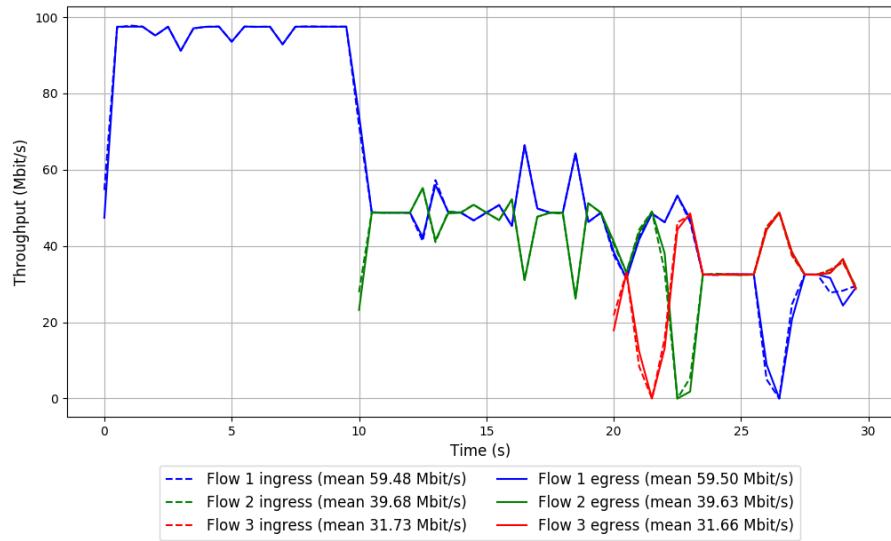


Run 10: Statistics of Verus

```
Start at: 2017-09-08 00:47:42
End at: 2017-09-08 00:48:12
Local clock offset: -2.163 ms
Remote clock offset: -4.906 ms

# Below is generated by plot.py at 2017-09-08 04:44:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 60.315 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 60.212 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 60.356 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 60.416 ms
Loss rate: 0.70%
```

Run 10: Report of Verus — Data Link

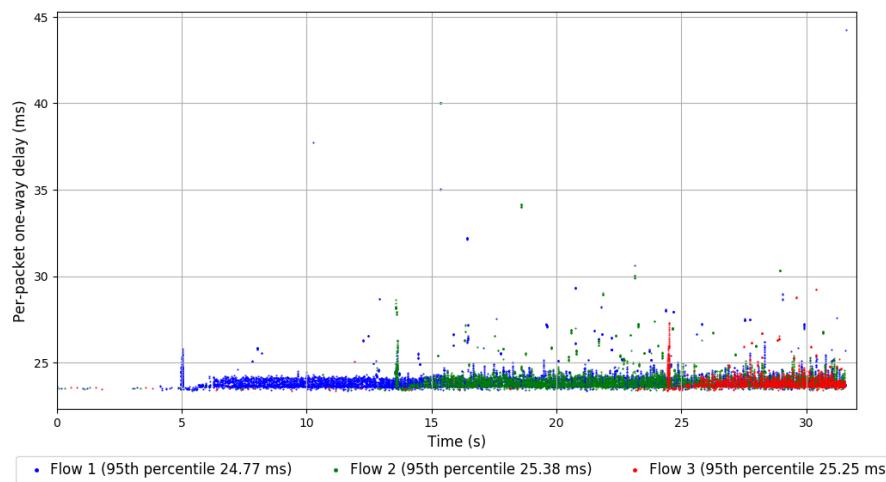
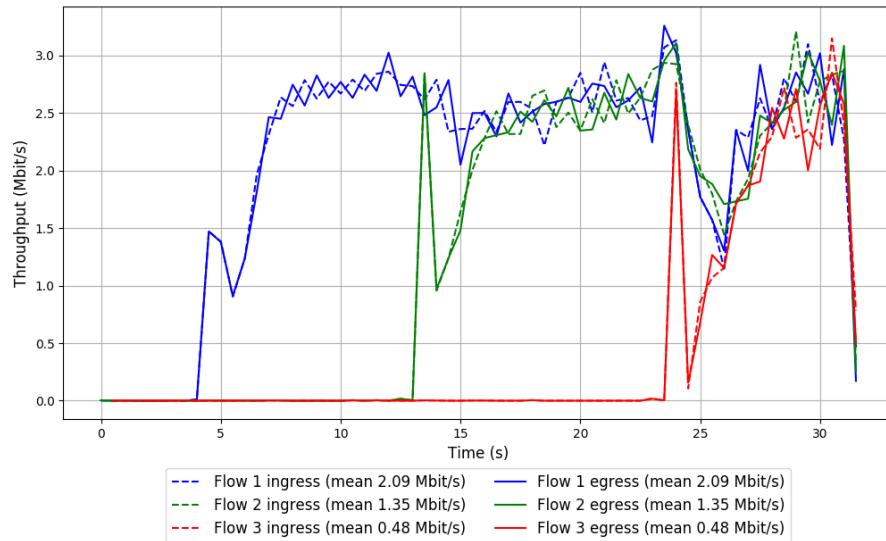


Run 1: Statistics of WebRTC media

```
Start at: 2017-09-07 21:57:05
End at: 2017-09-07 21:57:35
Local clock offset: 0.474 ms
Remote clock offset: -2.944 ms

# Below is generated by plot.py at 2017-09-08 04:44:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 25.020 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 24.765 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 25.376 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 25.250 ms
Loss rate: 1.32%
```

Run 1: Report of WebRTC media — Data Link

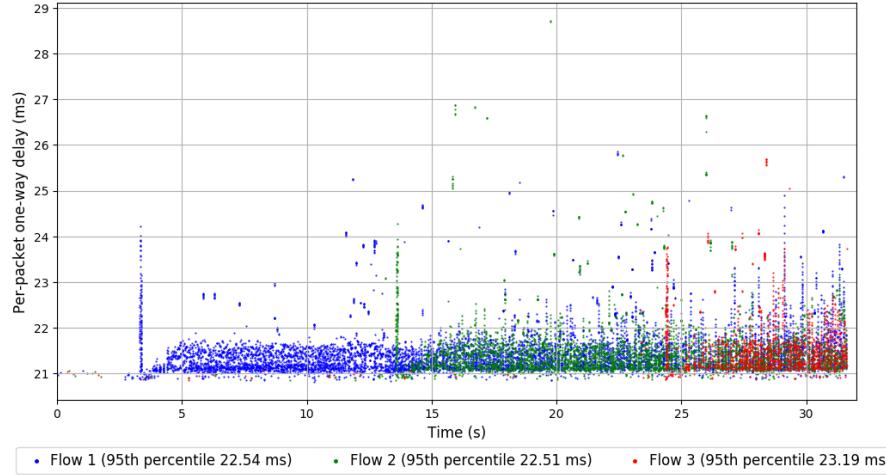
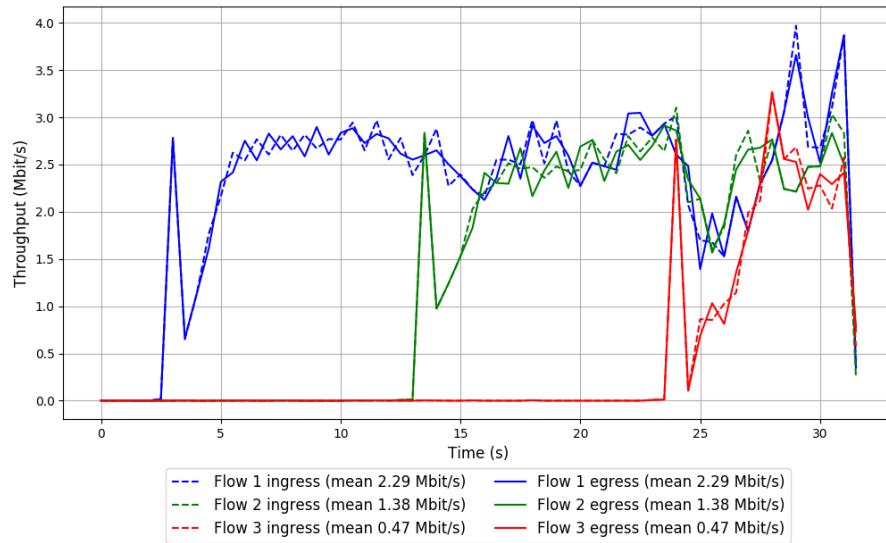


Run 2: Statistics of WebRTC media

```
Start at: 2017-09-07 22:15:29
End at: 2017-09-07 22:15:59
Local clock offset: -2.166 ms
Remote clock offset: -2.105 ms

# Below is generated by plot.py at 2017-09-08 04:44:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 22.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 22.543 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 22.513 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 23.187 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

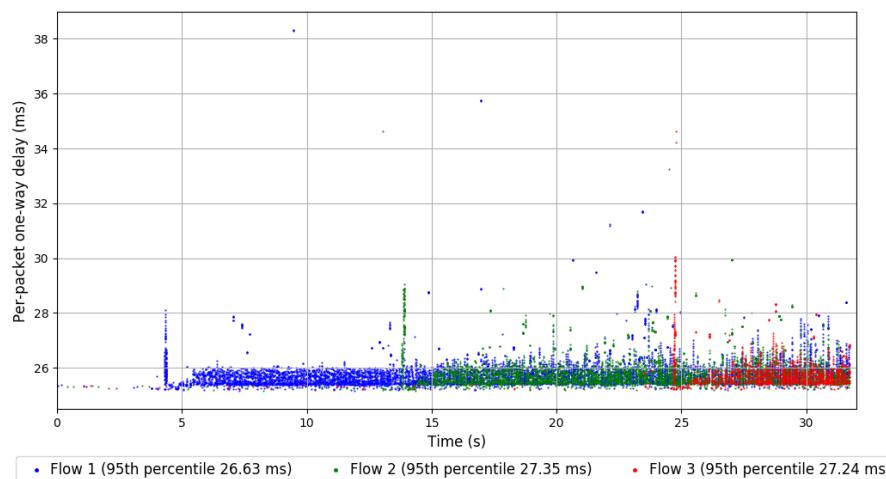
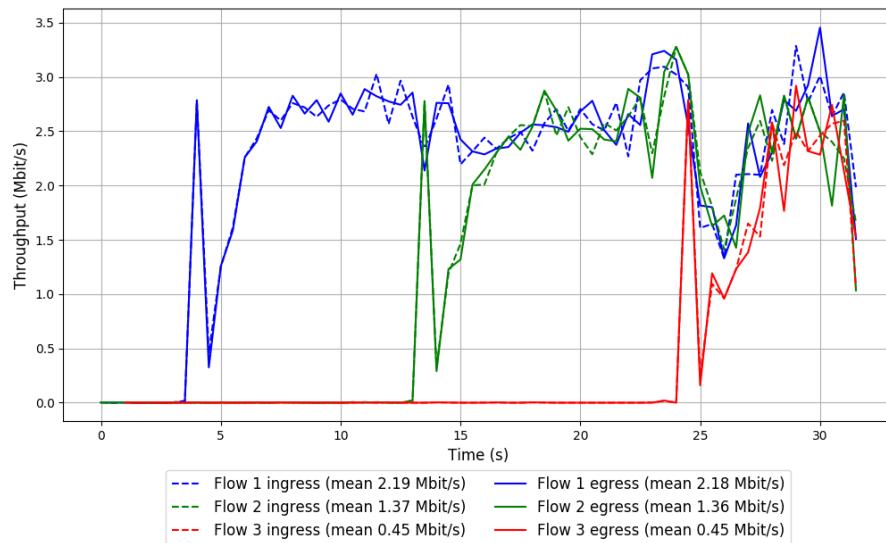


Run 3: Statistics of WebRTC media

```
Start at: 2017-09-07 22:33:43
End at: 2017-09-07 22:34:13
Local clock offset: 1.265 ms
Remote clock offset: -2.387 ms

# Below is generated by plot.py at 2017-09-08 04:44:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 26.886 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 26.631 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 27.349 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 27.243 ms
Loss rate: 0.01%
```

Run 3: Report of WebRTC media — Data Link

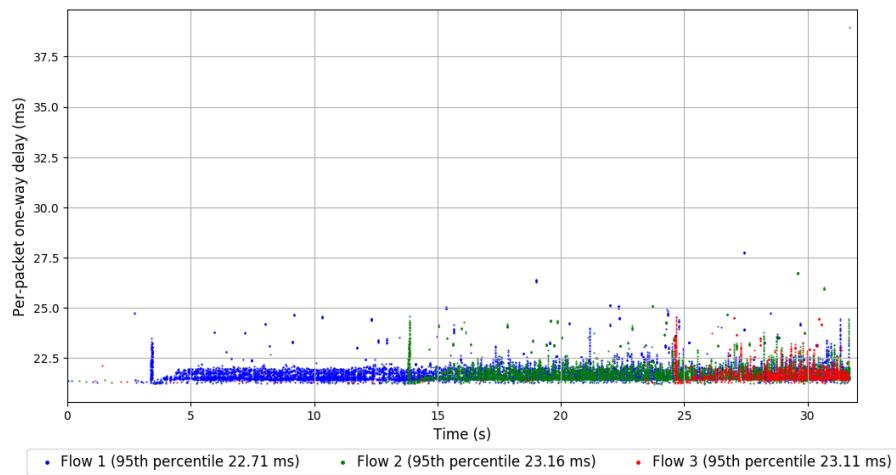
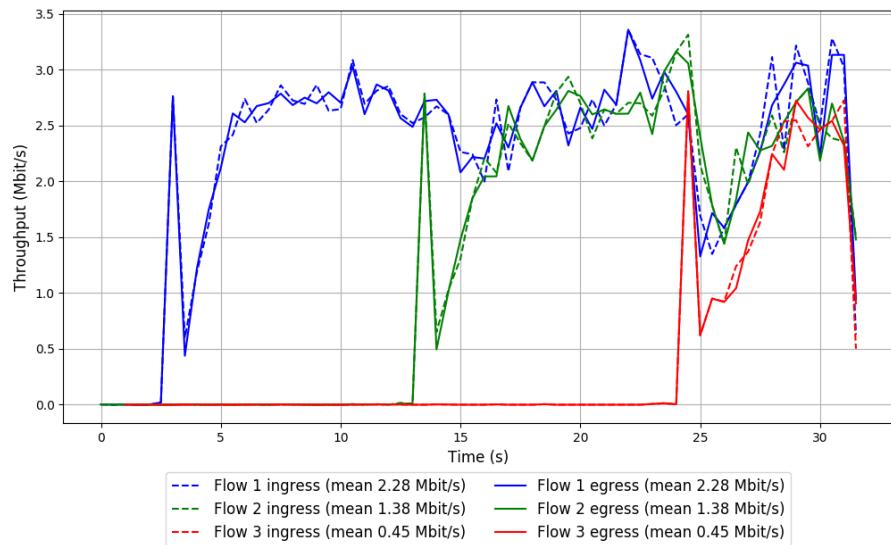


Run 4: Statistics of WebRTC media

```
Start at: 2017-09-07 22:51:56
End at: 2017-09-07 22:52:26
Local clock offset: -3.457 ms
Remote clock offset: -2.858 ms

# Below is generated by plot.py at 2017-09-08 04:44:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 23.013 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 22.709 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 23.163 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 23.106 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

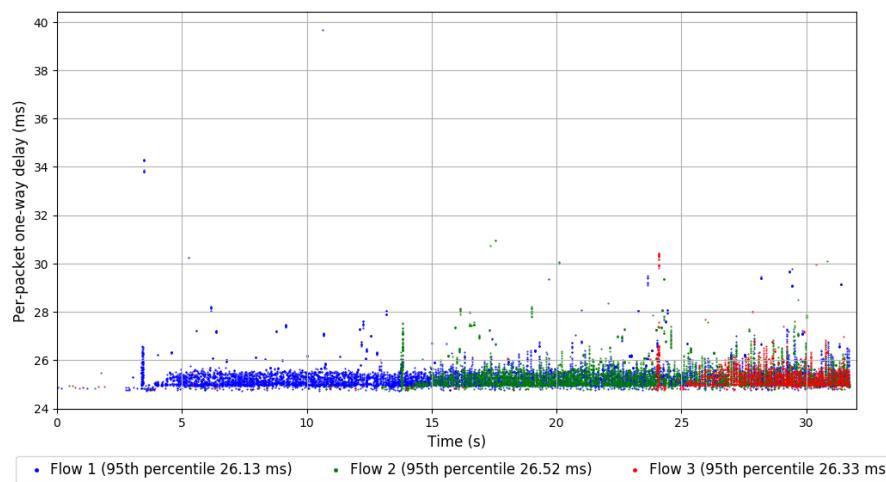
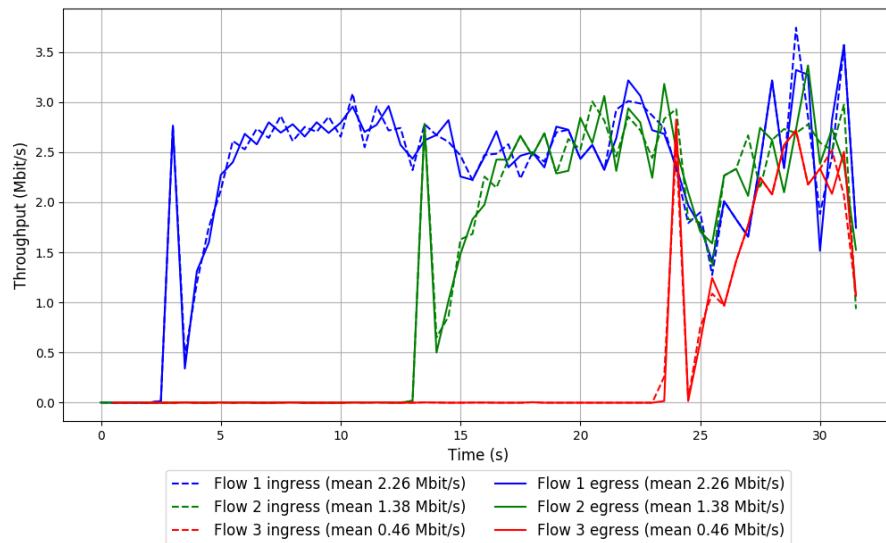


Run 5: Statistics of WebRTC media

```
Start at: 2017-09-07 23:09:54
End at: 2017-09-07 23:10:24
Local clock offset: -0.696 ms
Remote clock offset: -3.429 ms

# Below is generated by plot.py at 2017-09-08 04:44:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 26.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 26.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 26.525 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 26.332 ms
Loss rate: 0.01%
```

Run 5: Report of WebRTC media — Data Link

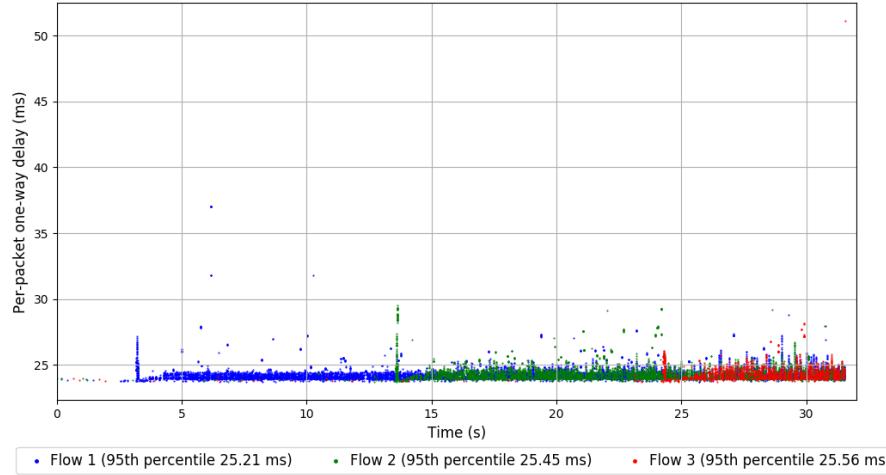
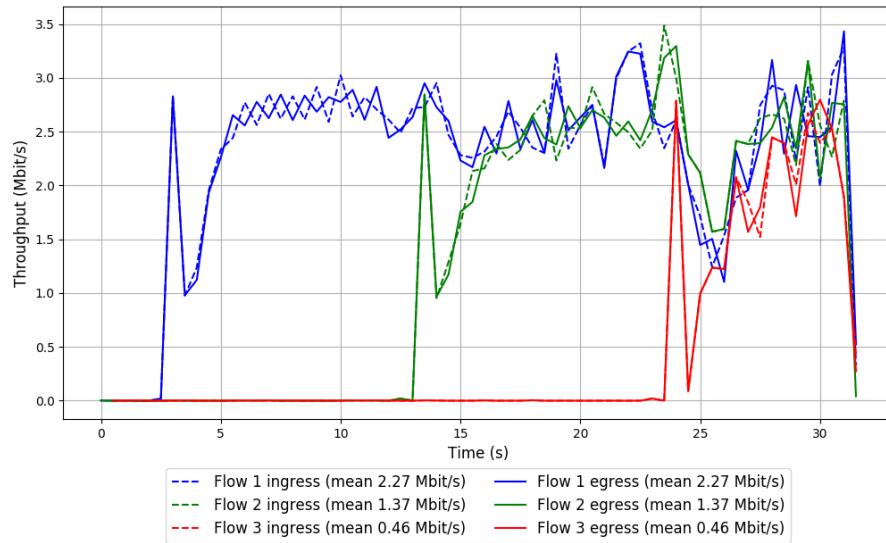


Run 6: Statistics of WebRTC media

```
Start at: 2017-09-07 23:27:57
End at: 2017-09-07 23:28:27
Local clock offset: -1.408 ms
Remote clock offset: -3.129 ms

# Below is generated by plot.py at 2017-09-08 04:44:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 25.314 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 25.212 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 25.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 25.561 ms
Loss rate: 0.55%
```

Run 6: Report of WebRTC media — Data Link

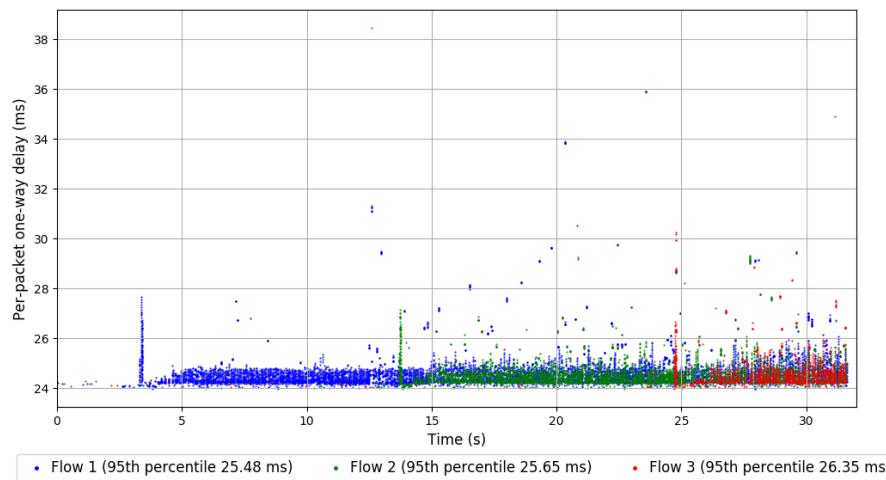
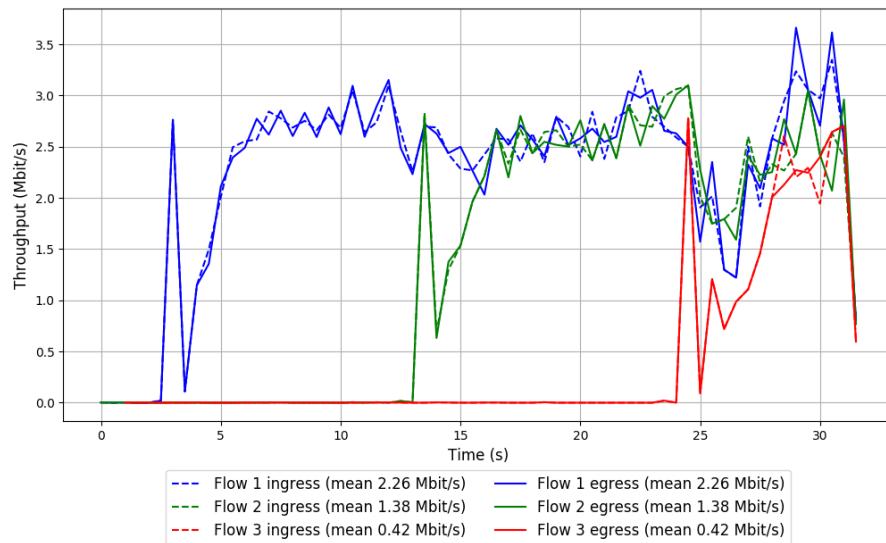


Run 7: Statistics of WebRTC media

```
Start at: 2017-09-07 23:45:59
End at: 2017-09-07 23:46:29
Local clock offset: -0.309 ms
Remote clock offset: -1.964 ms

# Below is generated by plot.py at 2017-09-08 04:44:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 25.635 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 25.477 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 25.646 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 26.351 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

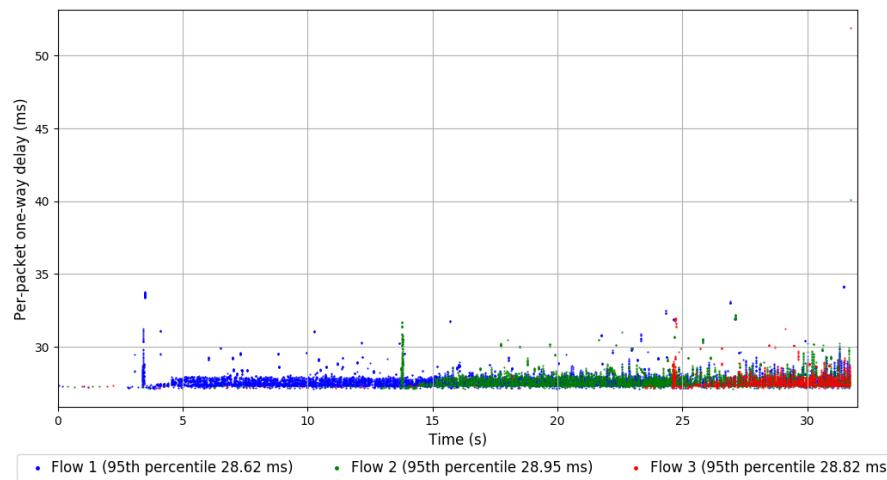
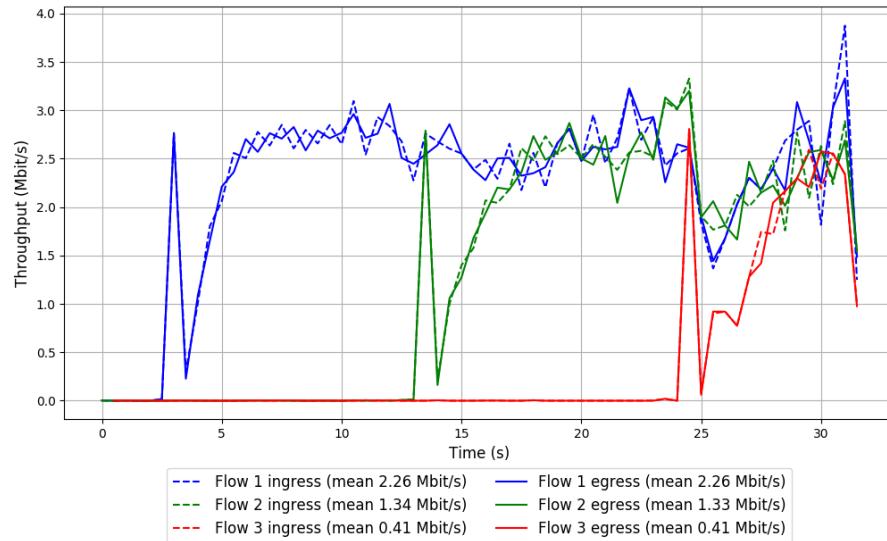


Run 8: Statistics of WebRTC media

```
Start at: 2017-09-08 00:04:56
End at: 2017-09-08 00:05:26
Local clock offset: 0.112 ms
Remote clock offset: -4.427 ms

# Below is generated by plot.py at 2017-09-08 04:44:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 28.752 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 28.621 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 28.946 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 28.815 ms
Loss rate: 0.08%
```

Run 8: Report of WebRTC media — Data Link

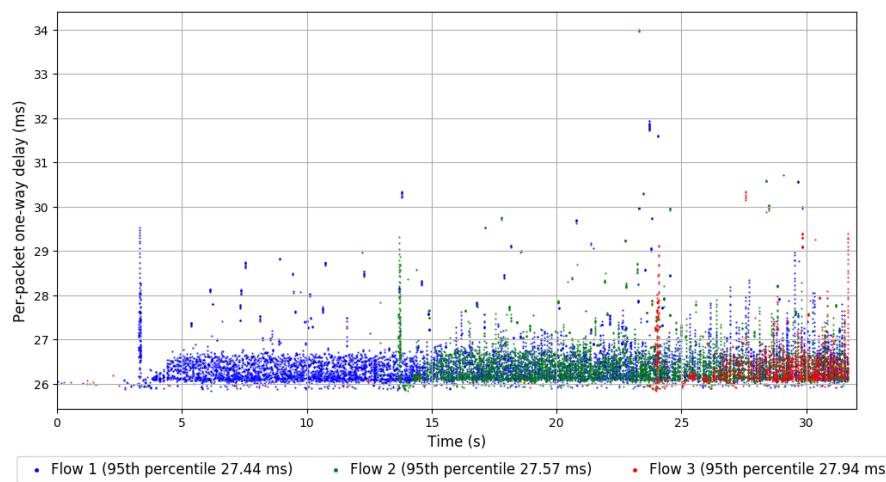
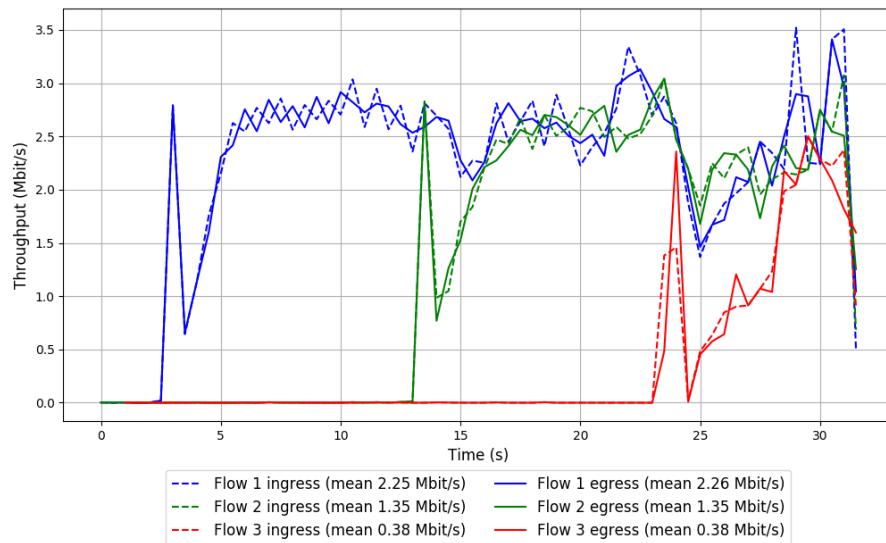


Run 9: Statistics of WebRTC media

```
Start at: 2017-09-08 00:23:46
End at: 2017-09-08 00:24:16
Local clock offset: -0.461 ms
Remote clock offset: -3.919 ms

# Below is generated by plot.py at 2017-09-08 04:44:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 27.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 27.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 27.569 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 27.944 ms
Loss rate: 0.01%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-09-08 00:42:49
End at: 2017-09-08 00:43:19
Local clock offset: -1.785 ms
Remote clock offset: -4.023 ms

# Below is generated by plot.py at 2017-09-08 04:44:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 26.567 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 26.506 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 26.485 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 27.462 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

