

Pantheon Report

Generated at 2018-07-17 20:19:21 (UTC).

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

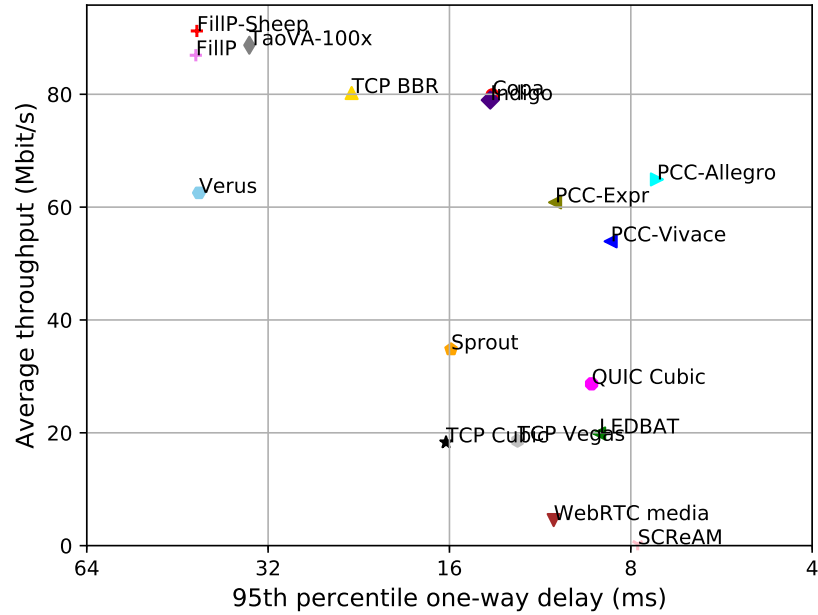
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

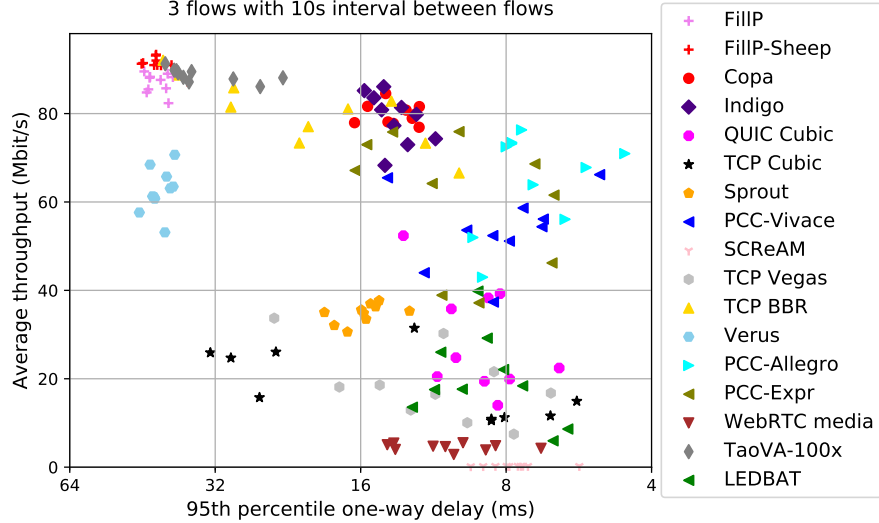
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



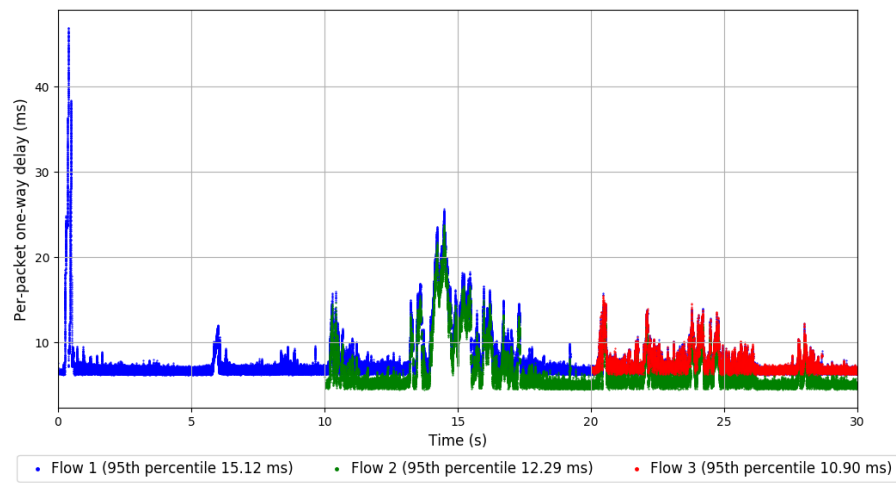
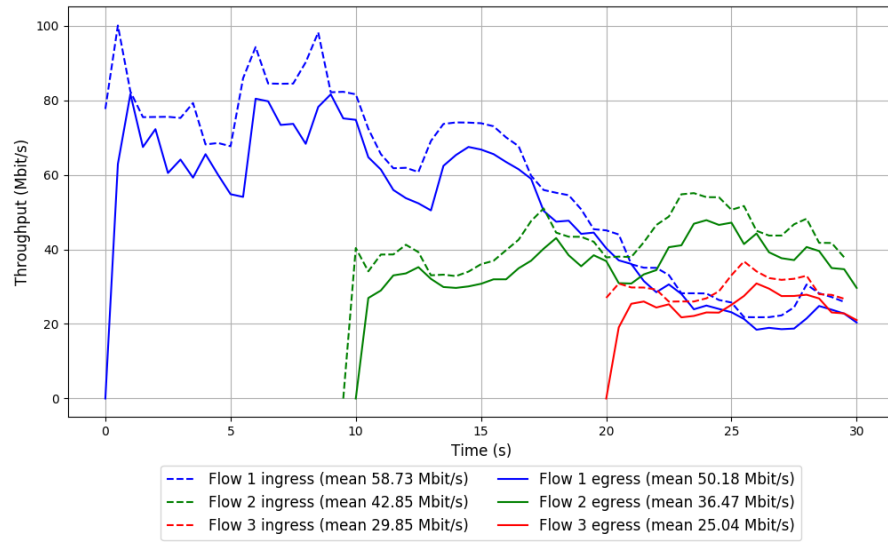
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	49.72	30.32	31.52	22.24	25.34	23.80	13.27	13.89	13.93
Copa	10	48.00	34.46	26.88	13.25	13.79	14.03	12.69	12.09	12.85
TCP Cubic	10	9.76	8.53	8.63	15.13	14.92	13.53	1.15	1.56	2.13
FillP	10	52.96	38.50	25.30	40.55	43.43	43.61	22.93	28.77	31.30
FillP-Sheep	10	53.16	39.23	36.26	40.60	42.70	43.54	20.52	25.73	30.83
Indigo	10	44.06	36.64	32.54	12.83	13.95	15.31	16.71	17.04	18.92
LEDBAT	10	11.12	9.01	9.22	8.62	9.93	8.98	1.49	1.57	1.79
PCC-Allegro	10	61.02	4.74	2.23	7.19	7.23	7.17	8.87	8.99	8.94
PCC-Expr	10	46.82	15.63	11.08	10.65	9.96	11.34	9.10	8.84	8.77
QUIC Cubic	10	15.76	13.58	11.83	12.80	9.16	10.37	2.91	2.44	2.53
SCReAM	10	0.12	0.13	0.16	7.15	7.57	7.67	1.61	1.43	1.49
Sprout	10	17.86	17.35	16.37	15.49	16.03	17.07	4.56	5.58	7.20
TaoVA-100x	10	51.94	38.66	33.23	30.41	36.19	37.18	14.81	18.22	19.17
TCP Vegas	10	9.53	9.22	8.83	11.90	11.33	15.92	1.68	1.39	1.91
Verus	10	36.82	29.93	20.58	39.39	42.22	41.68	39.73	47.63	46.70
PCC-Vivace	10	38.66	16.94	12.24	8.01	10.92	7.54	8.16	8.67	8.71
WebRTC media	10	2.26	1.71	0.57	10.51	10.68	10.68	2.39	2.22	2.93

Run 1: Statistics of TCP BBR

Start at: 2018-07-17 16:54:20
End at: 2018-07-17 16:54:50
Local clock offset: 1.534 ms
Remote clock offset: -11.056 ms

Below is generated by plot.py at 2018-07-17 20:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 13.820 ms
Loss rate: 14.81%
-- Flow 1:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 15.124 ms
Loss rate: 14.55%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 12.291 ms
Loss rate: 14.90%
-- Flow 3:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 10.896 ms
Loss rate: 16.13%

Run 1: Report of TCP BBR — Data Link

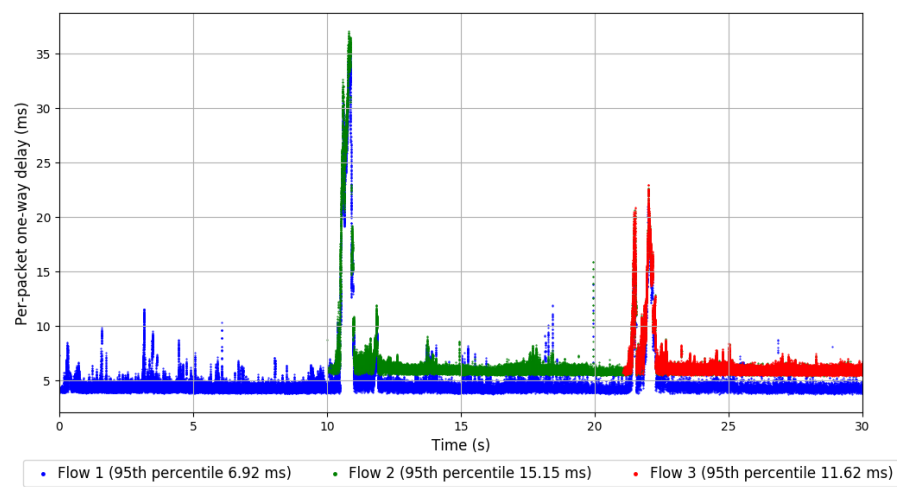
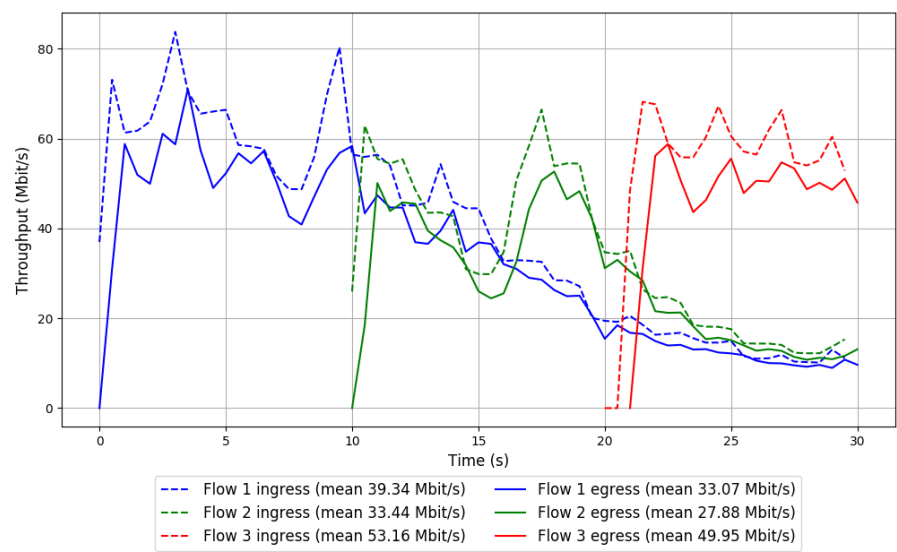


Run 2: Statistics of TCP BBR

Start at: 2018-07-17 17:14:30
End at: 2018-07-17 17:15:00
Local clock offset: 3.249 ms
Remote clock offset: -8.191 ms

Below is generated by plot.py at 2018-07-17 20:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 10.008 ms
Loss rate: 16.09%
-- Flow 1:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 6.919 ms
Loss rate: 15.96%
-- Flow 2:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 15.152 ms
Loss rate: 16.63%
-- Flow 3:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 11.621 ms
Loss rate: 15.70%

Run 2: Report of TCP BBR — Data Link

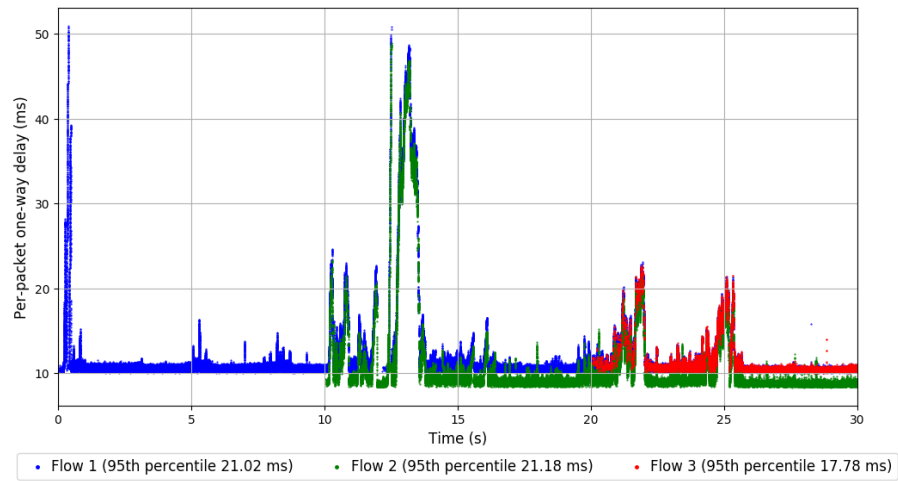
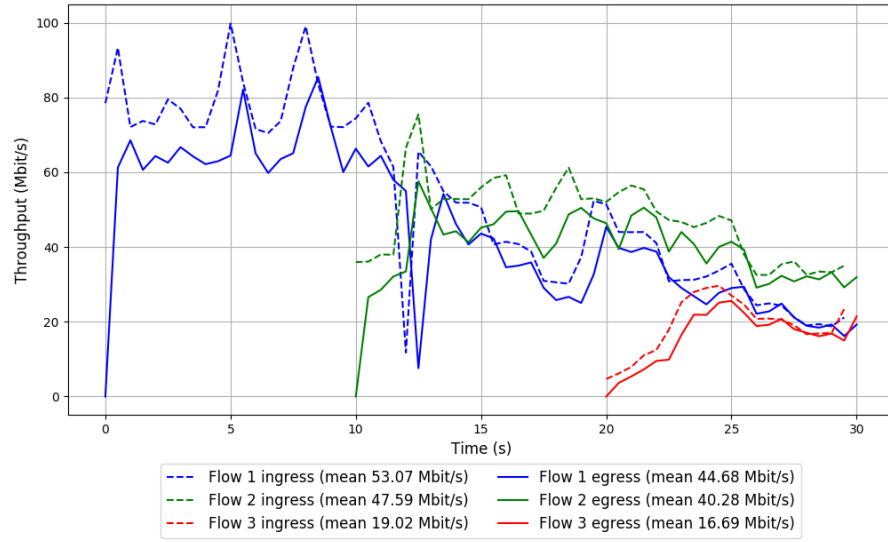


Run 3: Statistics of TCP BBR

Start at: 2018-07-17 17:35:00
End at: 2018-07-17 17:35:30
Local clock offset: -0.871 ms
Remote clock offset: -4.251 ms

Below is generated by plot.py at 2018-07-17 20:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 20.537 ms
Loss rate: 15.40%
-- Flow 1:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 21.021 ms
Loss rate: 15.80%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 21.178 ms
Loss rate: 15.36%
-- Flow 3:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 17.776 ms
Loss rate: 12.29%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-17 17:54:45

End at: 2018-07-17 17:55:15

Local clock offset: -2.215 ms

Remote clock offset: 3.825 ms

Below is generated by plot.py at 2018-07-17 20:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.06 Mbit/s

95th percentile per-packet one-way delay: 16.995 ms

Loss rate: 15.12%

-- Flow 1:

Average throughput: 54.07 Mbit/s

95th percentile per-packet one-way delay: 15.292 ms

Loss rate: 14.77%

-- Flow 2:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 18.457 ms

Loss rate: 16.39%

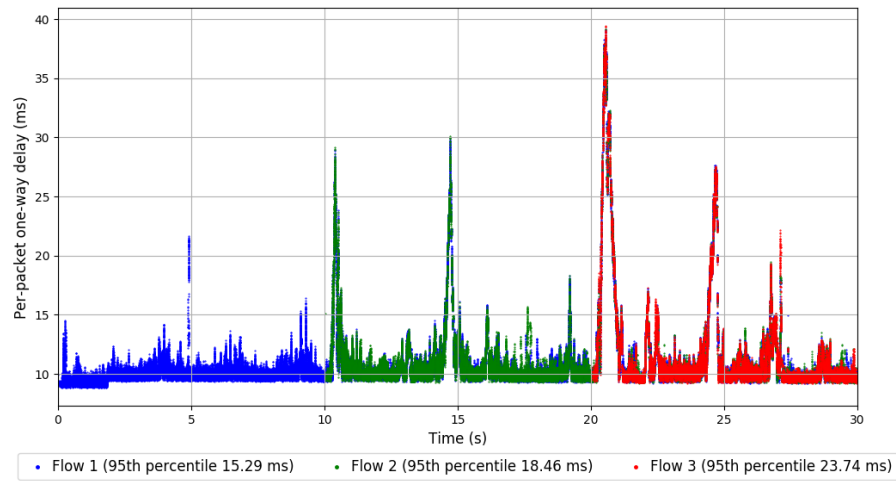
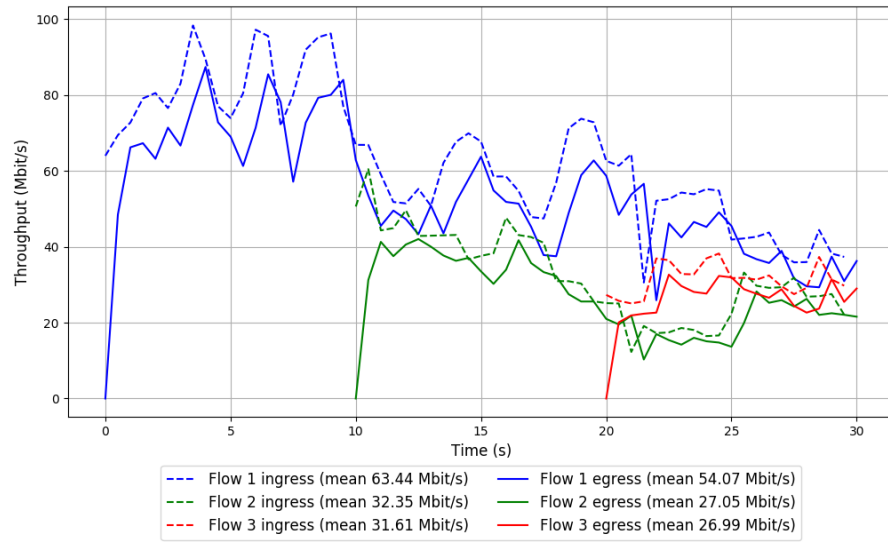
-- Flow 3:

Average throughput: 26.99 Mbit/s

95th percentile per-packet one-way delay: 23.744 ms

Loss rate: 14.62%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-17 18:14:21

End at: 2018-07-17 18:14:51

Local clock offset: 0.623 ms

Remote clock offset: 9.896 ms

Below is generated by plot.py at 2018-07-17 20:01:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 29.293 ms

Loss rate: 11.56%

-- Flow 1:

Average throughput: 57.13 Mbit/s

95th percentile per-packet one-way delay: 26.711 ms

Loss rate: 11.19%

-- Flow 2:

Average throughput: 29.30 Mbit/s

95th percentile per-packet one-way delay: 30.469 ms

Loss rate: 12.12%

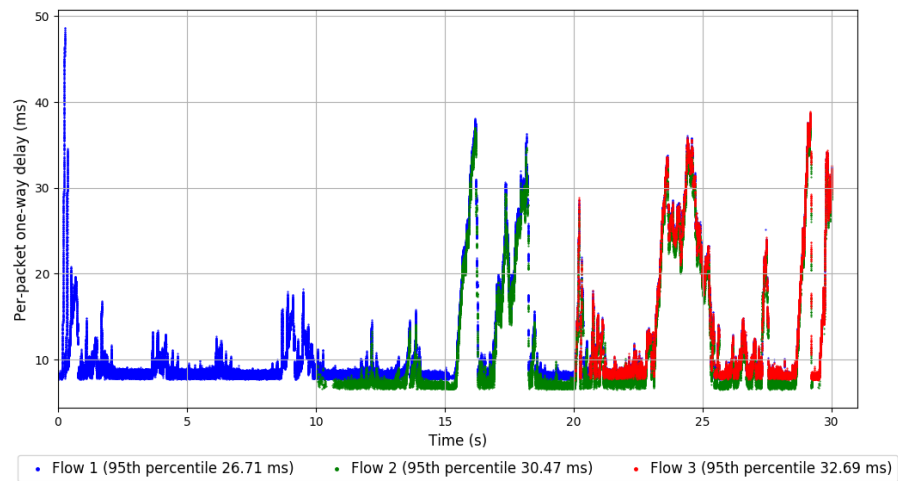
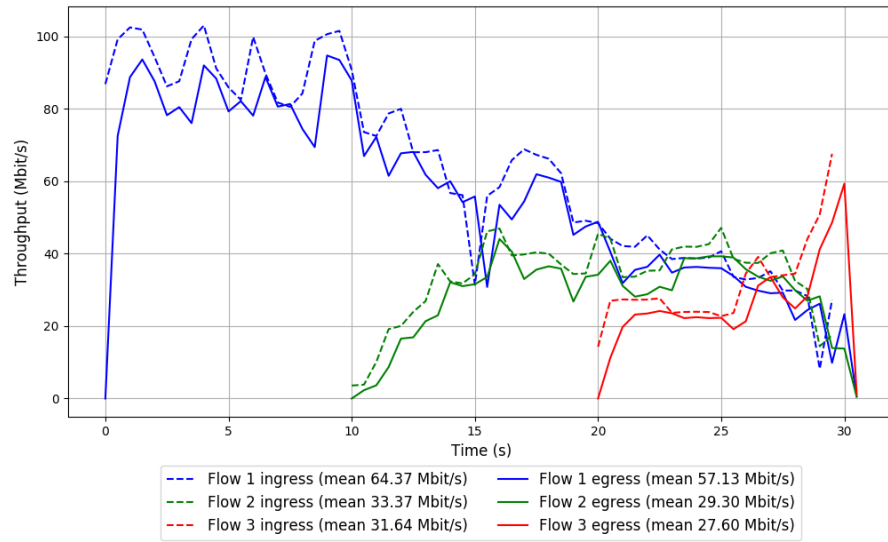
-- Flow 3:

Average throughput: 27.60 Mbit/s

95th percentile per-packet one-way delay: 32.687 ms

Loss rate: 12.60%

Run 5: Report of TCP BBR — Data Link

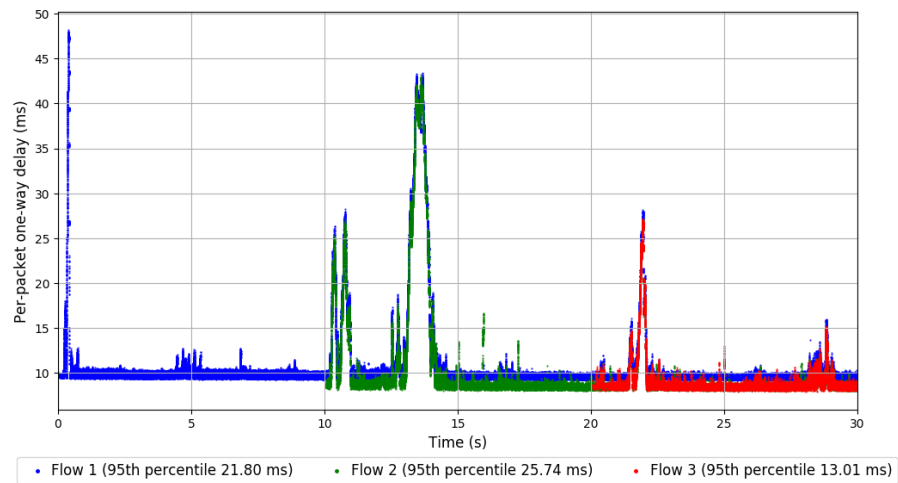
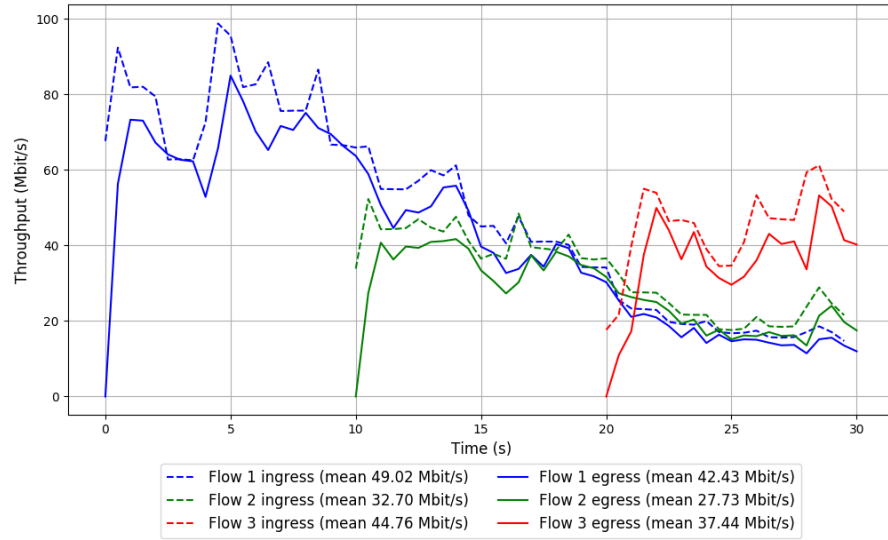


Run 6: Statistics of TCP BBR

Start at: 2018-07-17 18:34:37
End at: 2018-07-17 18:35:07
Local clock offset: -4.686 ms
Remote clock offset: 14.639 ms

Below is generated by plot.py at 2018-07-17 20:01:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.35 Mbit/s
95th percentile per-packet one-way delay: 21.426 ms
Loss rate: 14.40%
-- Flow 1:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 21.802 ms
Loss rate: 13.46%
-- Flow 2:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 25.741 ms
Loss rate: 15.19%
-- Flow 3:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 13.011 ms
Loss rate: 16.37%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-17 18:54:43

End at: 2018-07-17 18:55:13

Local clock offset: -5.368 ms

Remote clock offset: 7.7 ms

Below is generated by plot.py at 2018-07-17 20:01:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.31 Mbit/s

95th percentile per-packet one-way delay: 11.749 ms

Loss rate: 16.59%

-- Flow 1:

Average throughput: 42.47 Mbit/s

95th percentile per-packet one-way delay: 12.088 ms

Loss rate: 16.72%

-- Flow 2:

Average throughput: 29.38 Mbit/s

95th percentile per-packet one-way delay: 18.303 ms

Loss rate: 15.71%

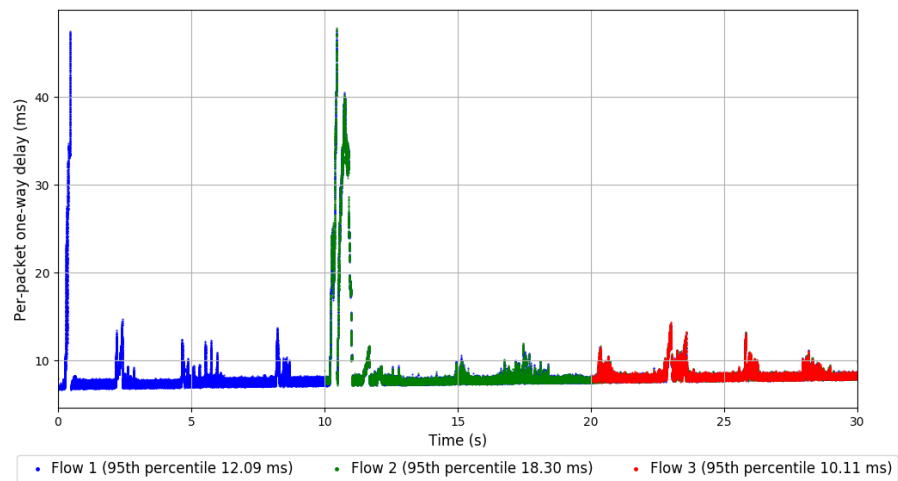
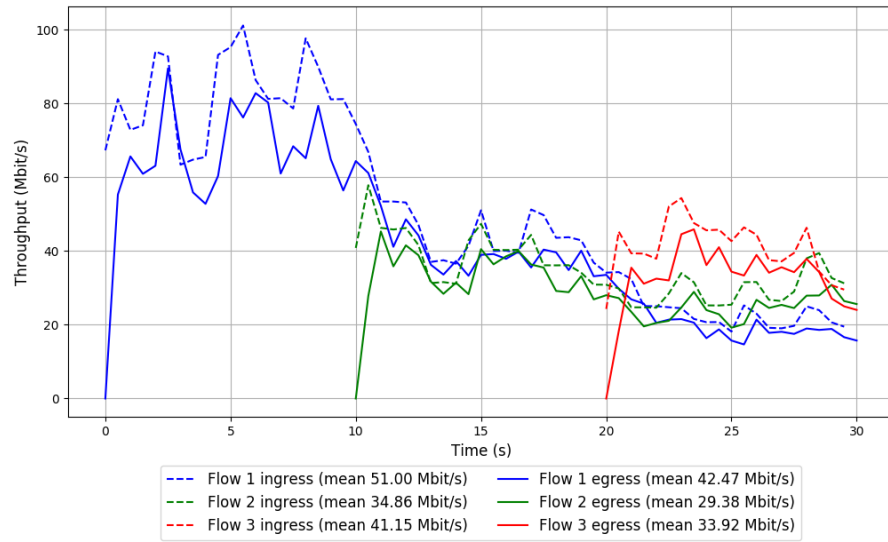
-- Flow 3:

Average throughput: 33.92 Mbit/s

95th percentile per-packet one-way delay: 10.106 ms

Loss rate: 17.58%

Run 7: Report of TCP BBR — Data Link

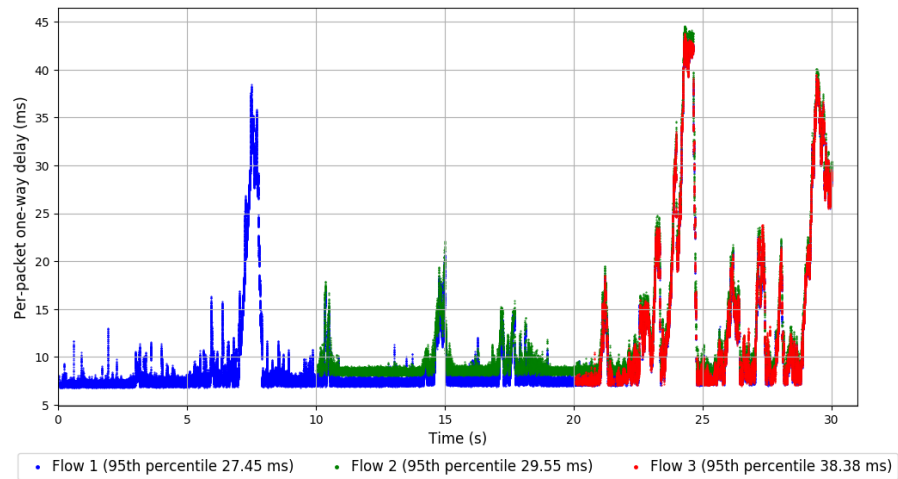
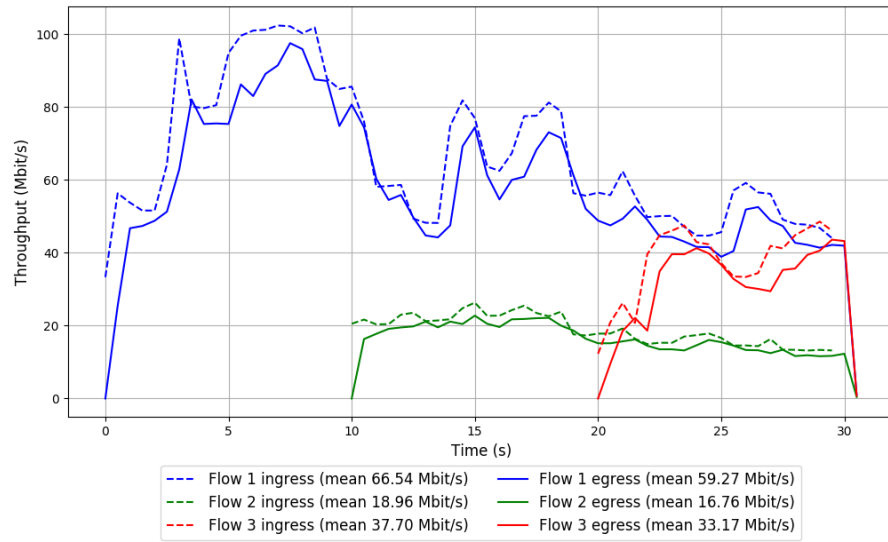


Run 8: Statistics of TCP BBR

Start at: 2018-07-17 19:15:02
End at: 2018-07-17 19:15:32
Local clock offset: -8.587 ms
Remote clock offset: -14.162 ms

Below is generated by plot.py at 2018-07-17 20:01:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 29.704 ms
Loss rate: 11.09%
-- Flow 1:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 27.453 ms
Loss rate: 10.87%
-- Flow 2:
Average throughput: 16.76 Mbit/s
95th percentile per-packet one-way delay: 29.555 ms
Loss rate: 11.49%
-- Flow 3:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 38.383 ms
Loss rate: 11.82%

Run 8: Report of TCP BBR — Data Link

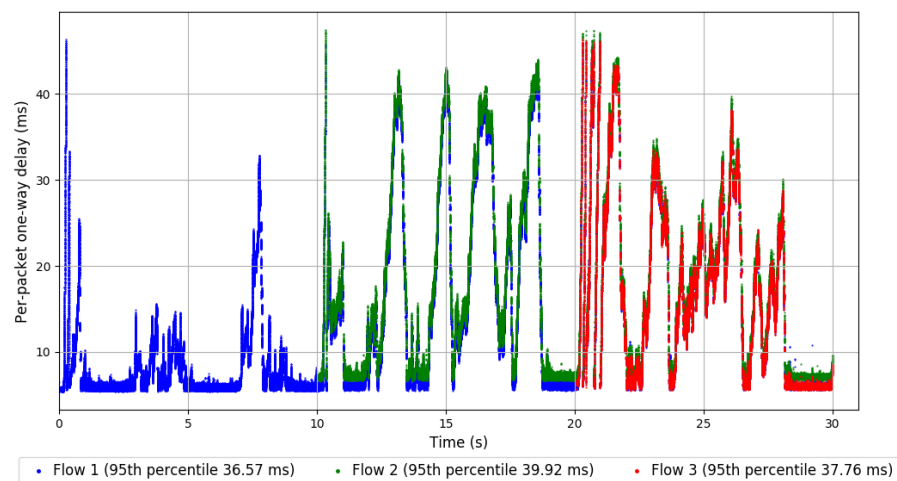
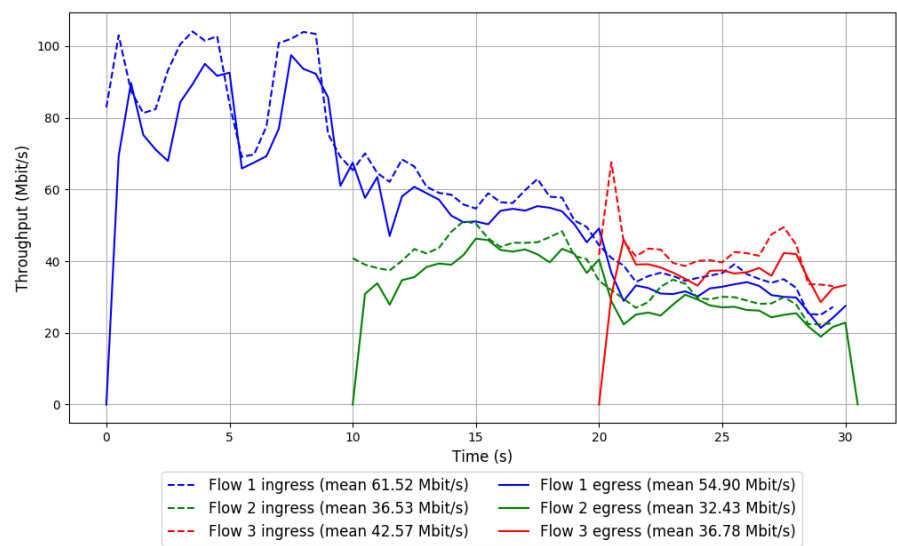


Run 9: Statistics of TCP BBR

Start at: 2018-07-17 19:35:38
End at: 2018-07-17 19:36:08
Local clock offset: -3.305 ms
Remote clock offset: -17.65 ms

Below is generated by plot.py at 2018-07-17 20:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 38.003 ms
Loss rate: 11.27%
-- Flow 1:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 36.573 ms
Loss rate: 10.75%
-- Flow 2:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 39.919 ms
Loss rate: 11.23%
-- Flow 3:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 37.755 ms
Loss rate: 13.57%

Run 9: Report of TCP BBR — Data Link

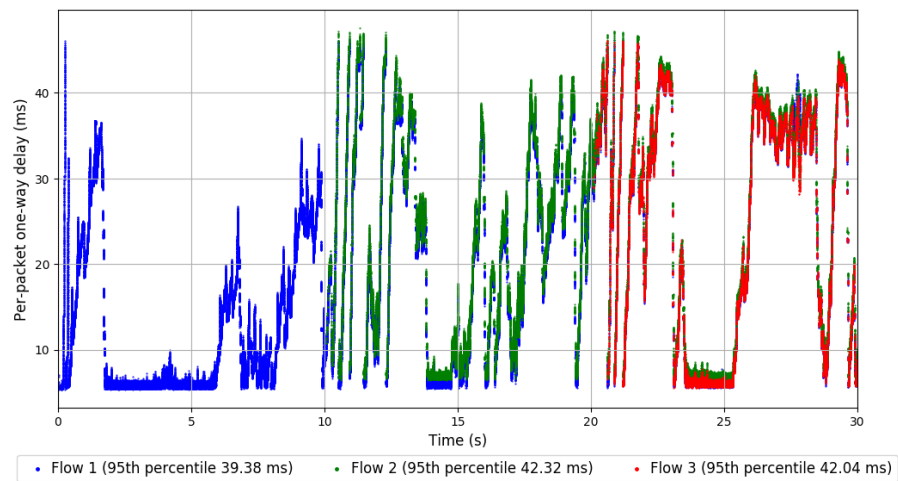
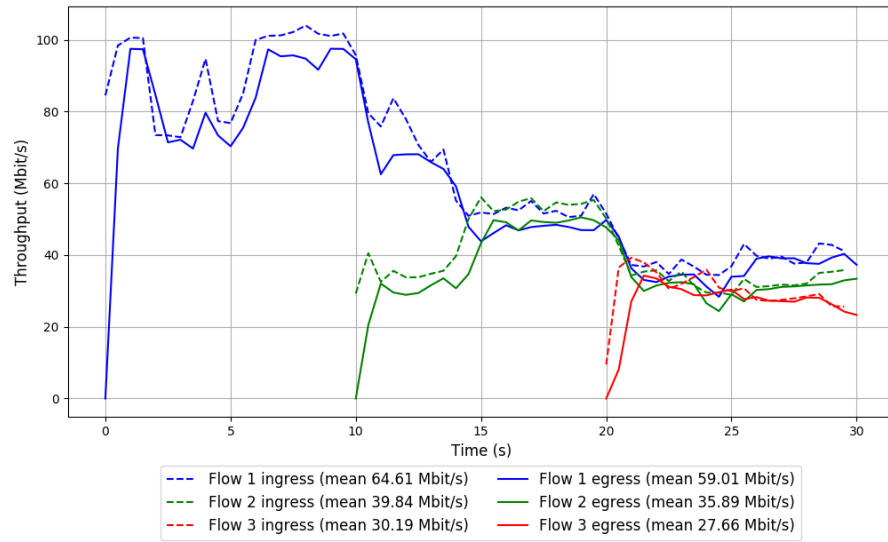


Run 10: Statistics of TCP BBR

Start at: 2018-07-17 19:55:58
End at: 2018-07-17 19:56:28
Local clock offset: -1.075 ms
Remote clock offset: -21.088 ms

Below is generated by plot.py at 2018-07-17 20:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 41.008 ms
Loss rate: 8.99%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 39.376 ms
Loss rate: 8.67%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 42.321 ms
Loss rate: 9.92%
-- Flow 3:
Average throughput: 27.66 Mbit/s
95th percentile per-packet one-way delay: 42.044 ms
Loss rate: 8.61%

Run 10: Report of TCP BBR — Data Link

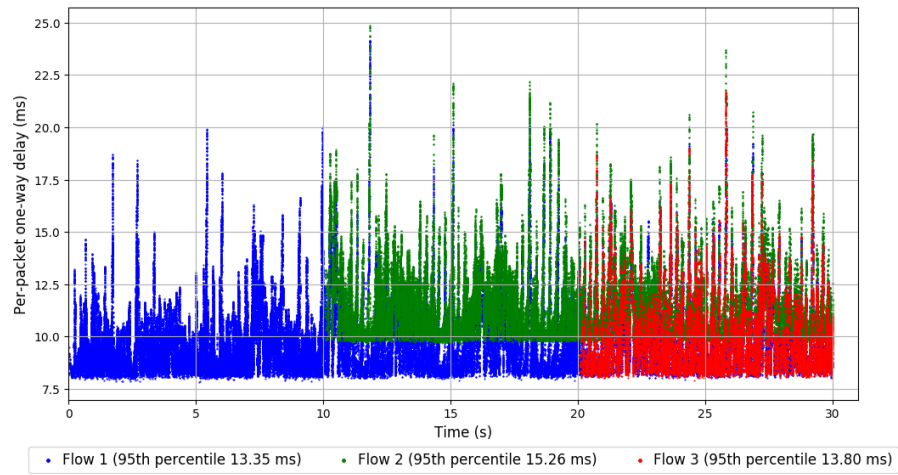
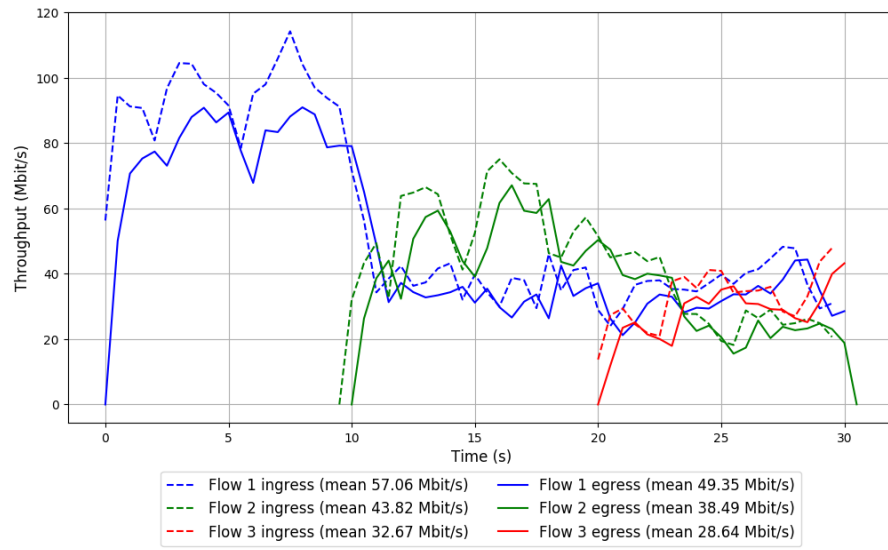


Run 1: Statistics of Copa

Start at: 2018-07-17 16:55:37
End at: 2018-07-17 16:56:07
Local clock offset: -2.194 ms
Remote clock offset: -11.285 ms

Below is generated by plot.py at 2018-07-17 20:03:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 14.202 ms
Loss rate: 12.97%
-- Flow 1:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 13.354 ms
Loss rate: 13.51%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 15.264 ms
Loss rate: 12.16%
-- Flow 3:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 13.800 ms
Loss rate: 12.32%

Run 1: Report of Copa — Data Link

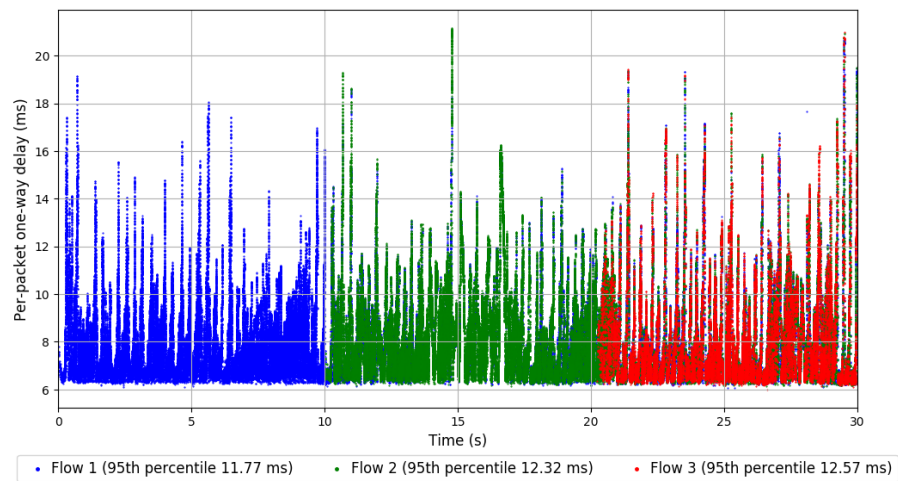
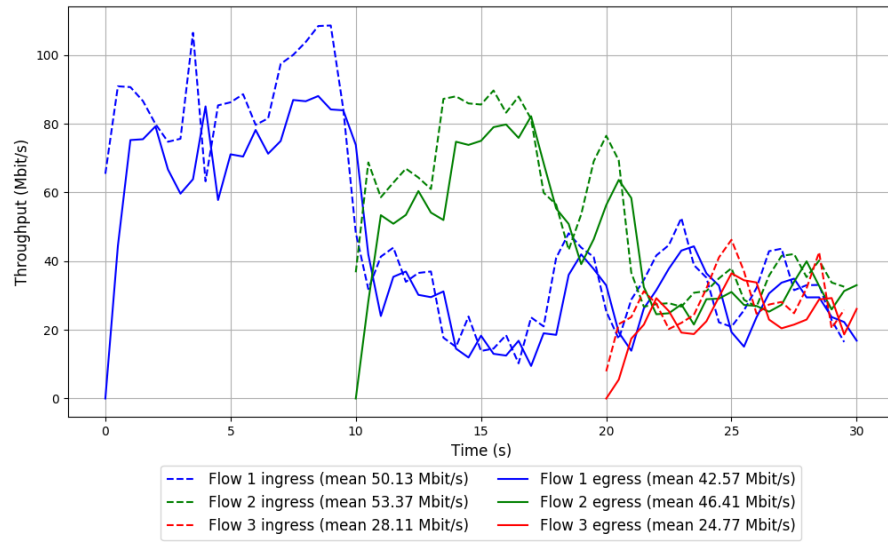


Run 2: Statistics of Copa

Start at: 2018-07-17 17:15:58
End at: 2018-07-17 17:16:28
Local clock offset: 1.935 ms
Remote clock offset: -8.383 ms

Below is generated by plot.py at 2018-07-17 20:03:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 12.096 ms
Loss rate: 14.17%
-- Flow 1:
Average throughput: 42.57 Mbit/s
95th percentile per-packet one-way delay: 11.765 ms
Loss rate: 15.07%
-- Flow 2:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 12.316 ms
Loss rate: 13.04%
-- Flow 3:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 12.566 ms
Loss rate: 13.66%

Run 2: Report of Copa — Data Link

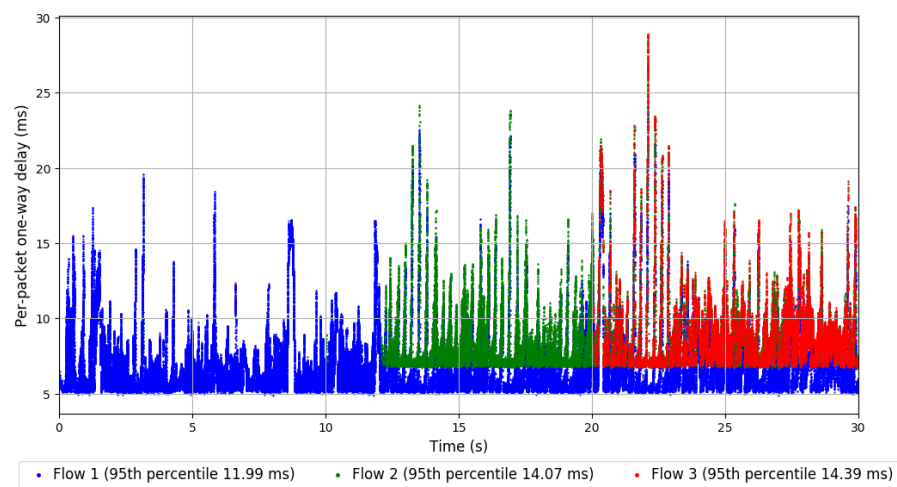
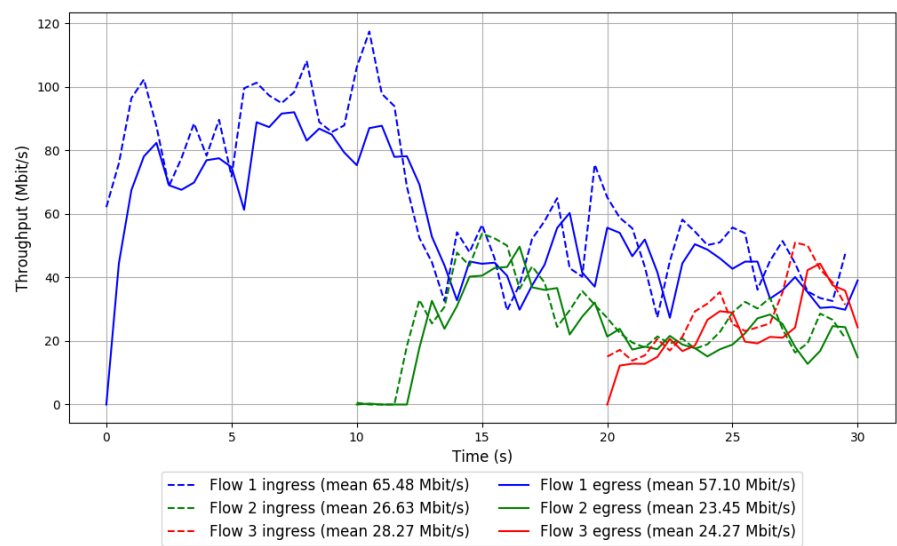


Run 3: Statistics of Copa

Start at: 2018-07-17 17:36:13
End at: 2018-07-17 17:36:43
Local clock offset: 2.085 ms
Remote clock offset: -4.494 ms

Below is generated by plot.py at 2018-07-17 20:03:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.78 Mbit/s
95th percentile per-packet one-way delay: 12.884 ms
Loss rate: 12.79%
-- Flow 1:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 11.987 ms
Loss rate: 12.80%
-- Flow 2:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 14.071 ms
Loss rate: 11.96%
-- Flow 3:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 14.392 ms
Loss rate: 14.23%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-17 17:55:57

End at: 2018-07-17 17:56:27

Local clock offset: 0.633 ms

Remote clock offset: 5.102 ms

Below is generated by plot.py at 2018-07-17 20:03:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.93 Mbit/s

95th percentile per-packet one-way delay: 12.514 ms

Loss rate: 16.94%

-- Flow 1:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 11.859 ms

Loss rate: 16.33%

-- Flow 2:

Average throughput: 34.22 Mbit/s

95th percentile per-packet one-way delay: 13.205 ms

Loss rate: 17.38%

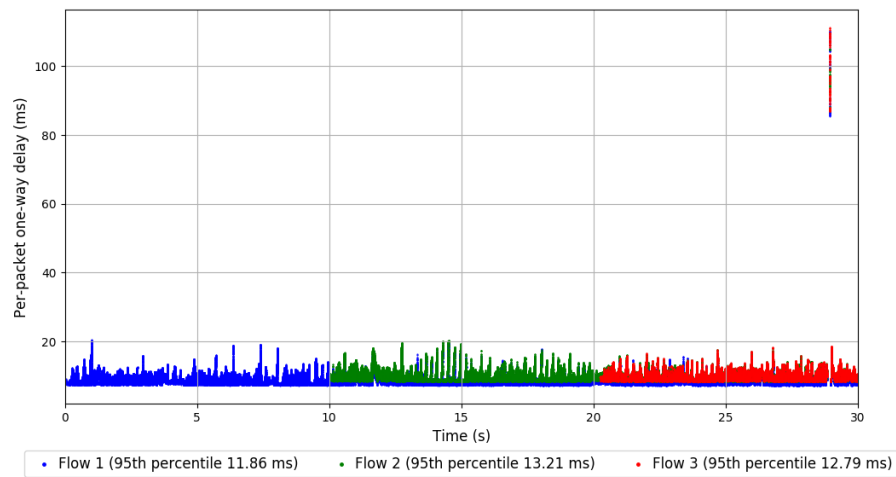
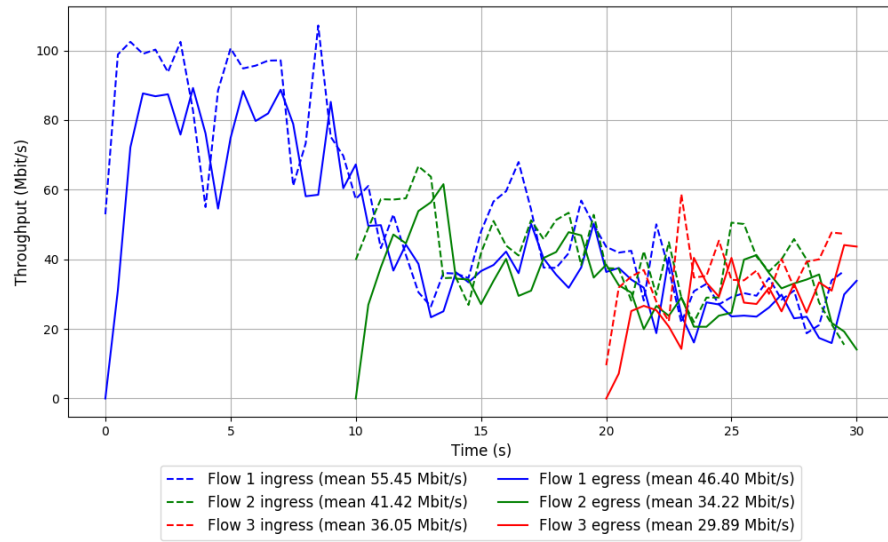
-- Flow 3:

Average throughput: 29.89 Mbit/s

95th percentile per-packet one-way delay: 12.787 ms

Loss rate: 18.76%

Run 4: Report of Copa — Data Link

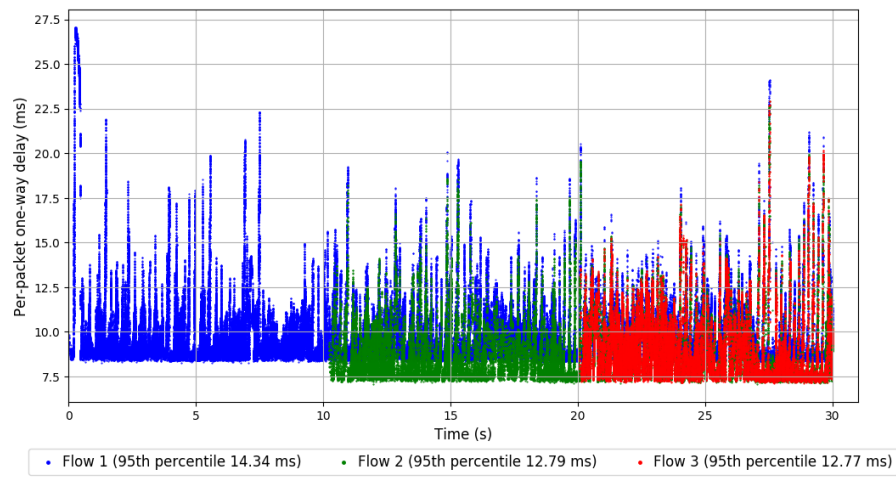
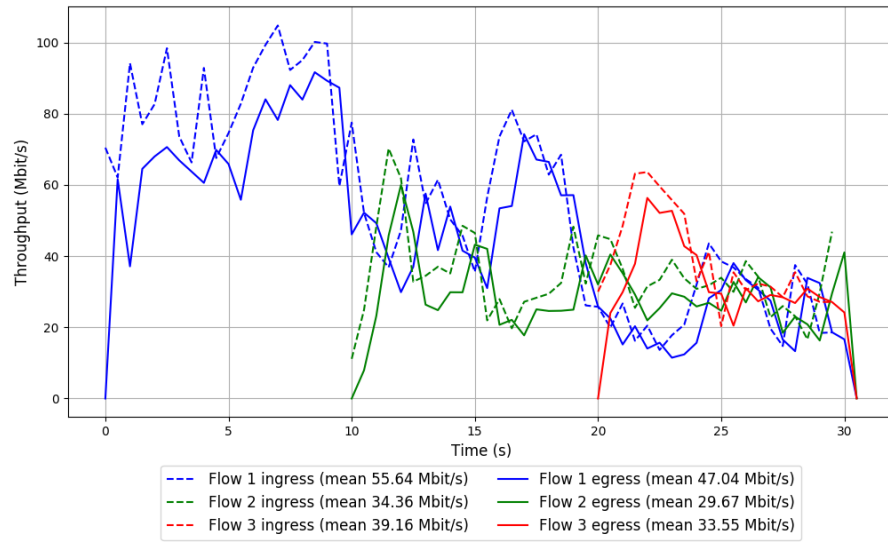


Run 5: Statistics of Copa

Start at: 2018-07-17 18:15:38
End at: 2018-07-17 18:16:08
Local clock offset: 0.425 ms
Remote clock offset: 10.606 ms

```
# Below is generated by plot.py at 2018-07-17 20:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.76 Mbit/s
95th percentile per-packet one-way delay: 13.686 ms
Loss rate: 15.05%
-- Flow 1:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 14.342 ms
Loss rate: 15.45%
-- Flow 2:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 12.789 ms
Loss rate: 14.50%
-- Flow 3:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 12.772 ms
Loss rate: 14.32%
```

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-17 18:35:56

End at: 2018-07-17 18:36:26

Local clock offset: -2.743 ms

Remote clock offset: 13.96 ms

Below is generated by plot.py at 2018-07-17 20:03:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.90 Mbit/s

95th percentile per-packet one-way delay: 12.111 ms

Loss rate: 12.23%

-- Flow 1:

Average throughput: 45.82 Mbit/s

95th percentile per-packet one-way delay: 11.718 ms

Loss rate: 11.76%

-- Flow 2:

Average throughput: 34.60 Mbit/s

95th percentile per-packet one-way delay: 12.549 ms

Loss rate: 12.24%

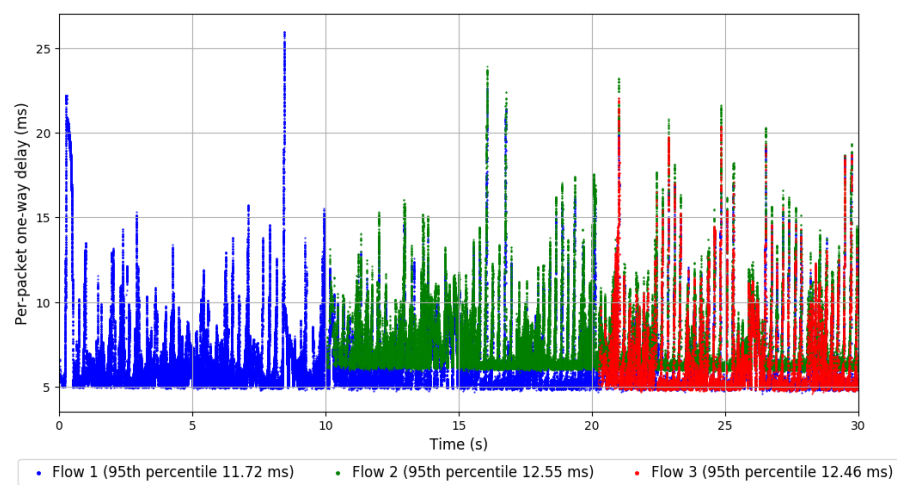
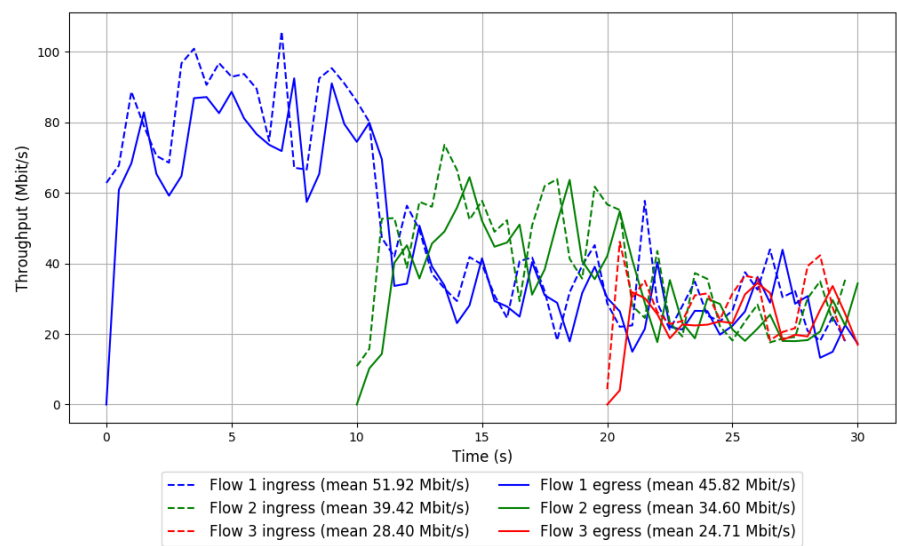
-- Flow 3:

Average throughput: 24.71 Mbit/s

95th percentile per-packet one-way delay: 12.457 ms

Loss rate: 14.73%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-17 18:56:07

End at: 2018-07-17 18:56:37

Local clock offset: -7.898 ms

Remote clock offset: 4.434 ms

Below is generated by plot.py at 2018-07-17 20:04:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 16.471 ms

Loss rate: 13.10%

-- Flow 1:

Average throughput: 46.05 Mbit/s

95th percentile per-packet one-way delay: 16.318 ms

Loss rate: 13.11%

-- Flow 2:

Average throughput: 35.10 Mbit/s

95th percentile per-packet one-way delay: 16.229 ms

Loss rate: 12.49%

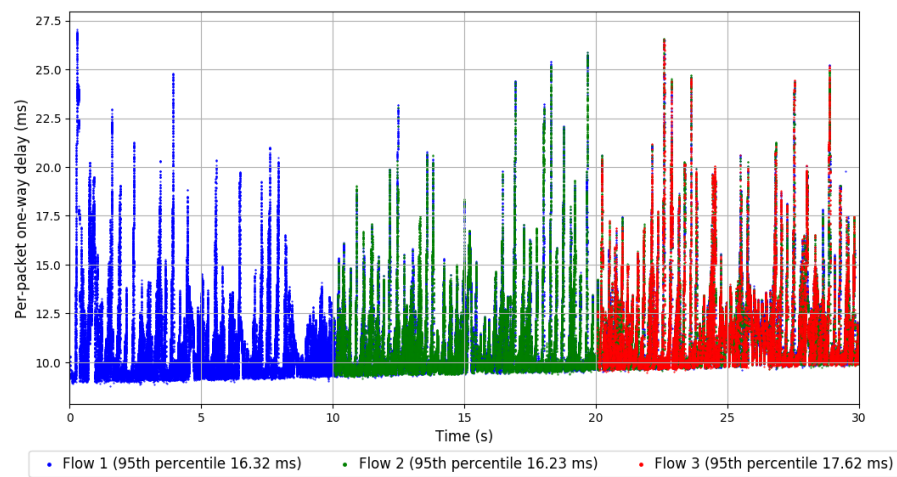
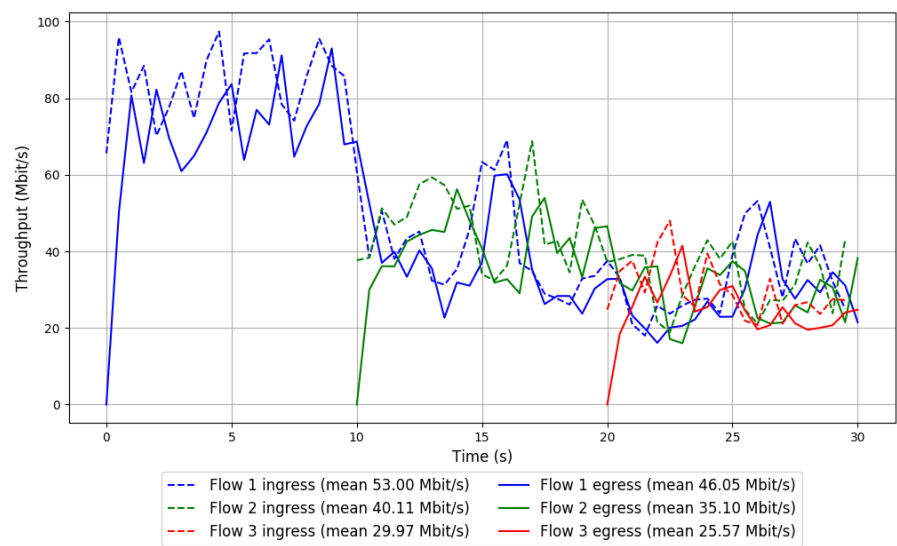
-- Flow 3:

Average throughput: 25.57 Mbit/s

95th percentile per-packet one-way delay: 17.619 ms

Loss rate: 14.68%

Run 7: Report of Copa — Data Link

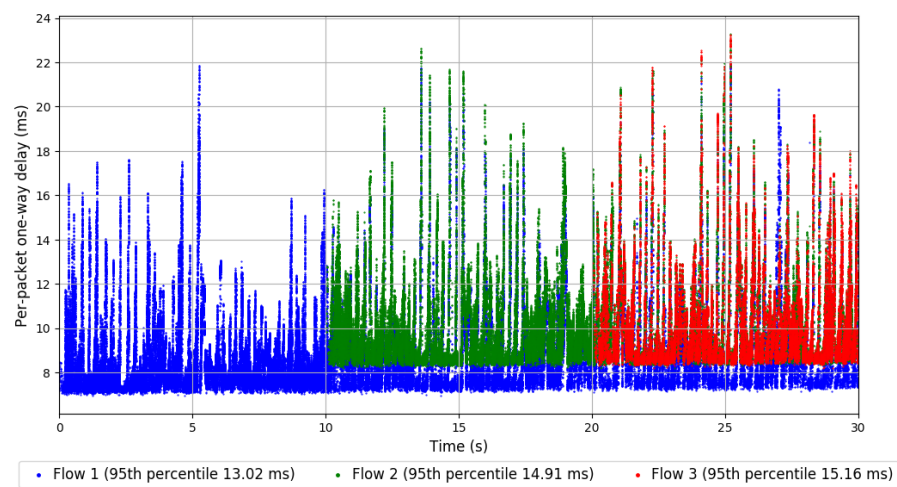
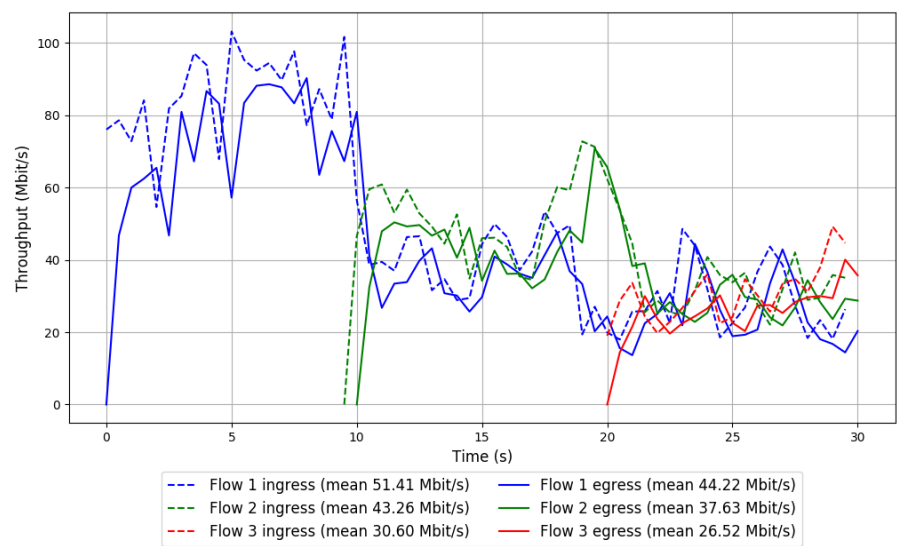


Run 8: Statistics of Copa

Start at: 2018-07-17 19:16:16
End at: 2018-07-17 19:16:46
Local clock offset: -8.945 ms
Remote clock offset: -14.767 ms

Below is generated by plot.py at 2018-07-17 20:04:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 14.050 ms
Loss rate: 13.61%
-- Flow 1:
Average throughput: 44.22 Mbit/s
95th percentile per-packet one-way delay: 13.016 ms
Loss rate: 13.99%
-- Flow 2:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 14.915 ms
Loss rate: 13.01%
-- Flow 3:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 15.162 ms
Loss rate: 13.38%

Run 8: Report of Copa — Data Link

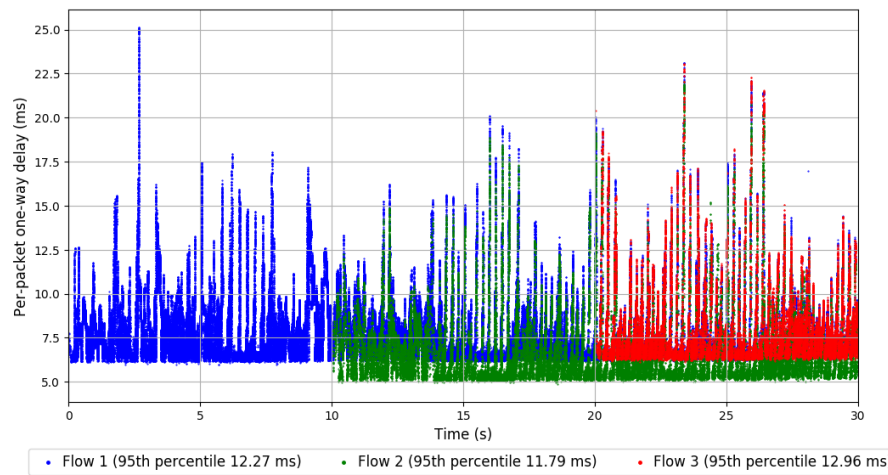
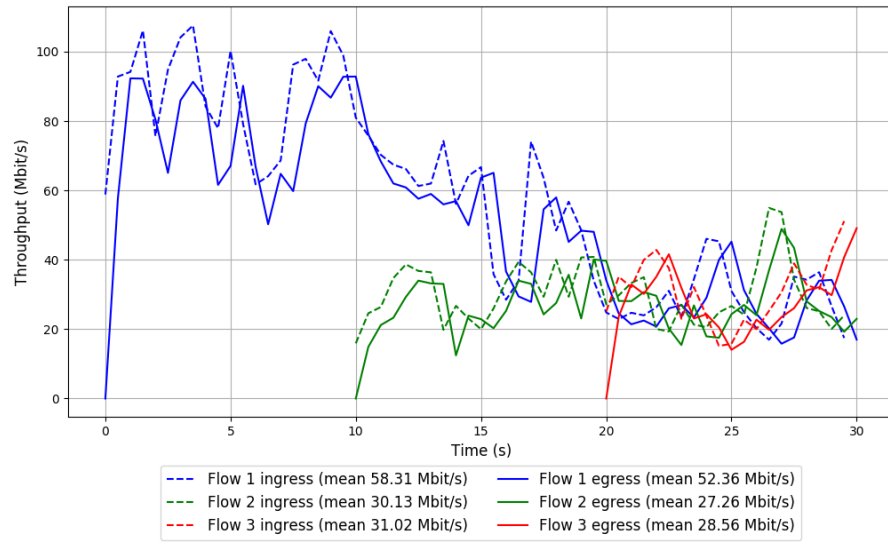


Run 9: Statistics of Copa

Start at: 2018-07-17 19:36:51
End at: 2018-07-17 19:37:21
Local clock offset: -3.523 ms
Remote clock offset: -18.644 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.99 Mbit/s
95th percentile per-packet one-way delay: 12.283 ms
Loss rate: 9.81%
-- Flow 1:
Average throughput: 52.36 Mbit/s
95th percentile per-packet one-way delay: 12.265 ms
Loss rate: 10.21%
-- Flow 2:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 11.791 ms
Loss rate: 9.54%
-- Flow 3:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 12.965 ms
Loss rate: 8.05%

Run 9: Report of Copa — Data Link

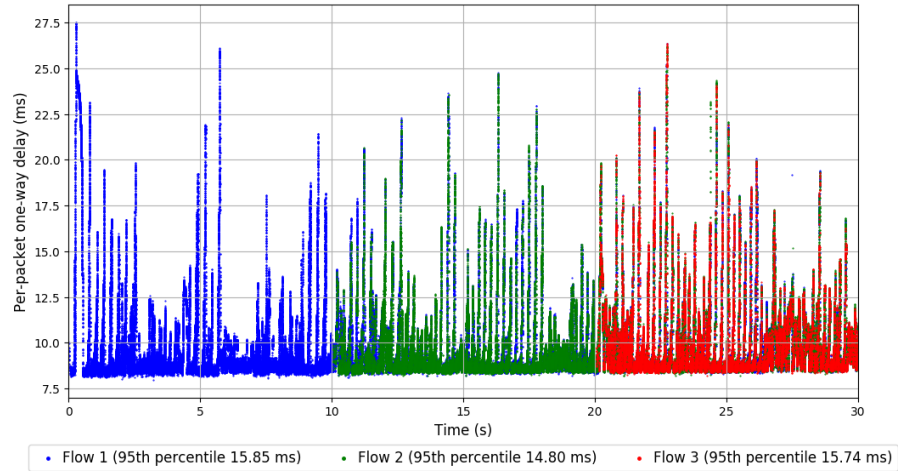
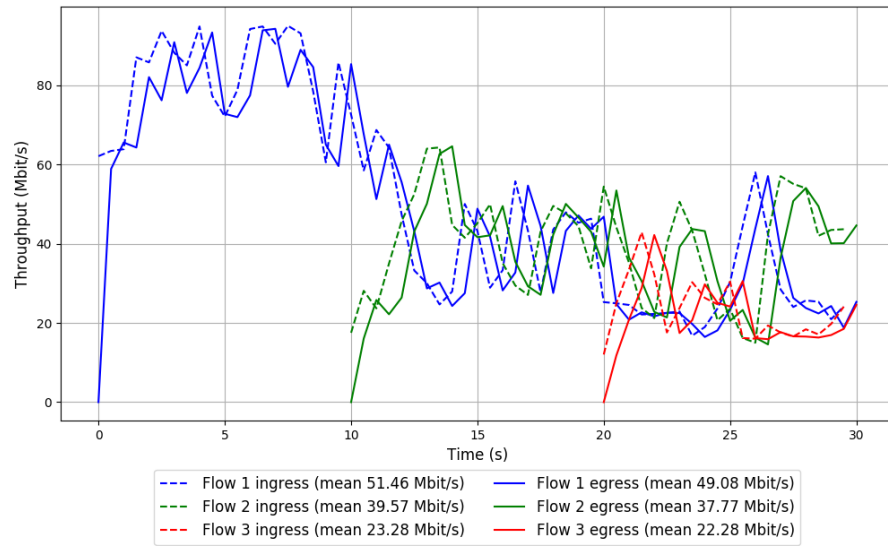


Run 10: Statistics of Copa

Start at: 2018-07-17 19:57:10
End at: 2018-07-17 19:57:40
Local clock offset: -1.759 ms
Remote clock offset: -20.497 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.64 Mbit/s
95th percentile per-packet one-way delay: 15.479 ms
Loss rate: 4.58%
-- Flow 1:
Average throughput: 49.08 Mbit/s
95th percentile per-packet one-way delay: 15.850 ms
Loss rate: 4.63%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 14.804 ms
Loss rate: 4.56%
-- Flow 3:
Average throughput: 22.28 Mbit/s
95th percentile per-packet one-way delay: 15.744 ms
Loss rate: 4.33%

Run 10: Report of Copa — Data Link

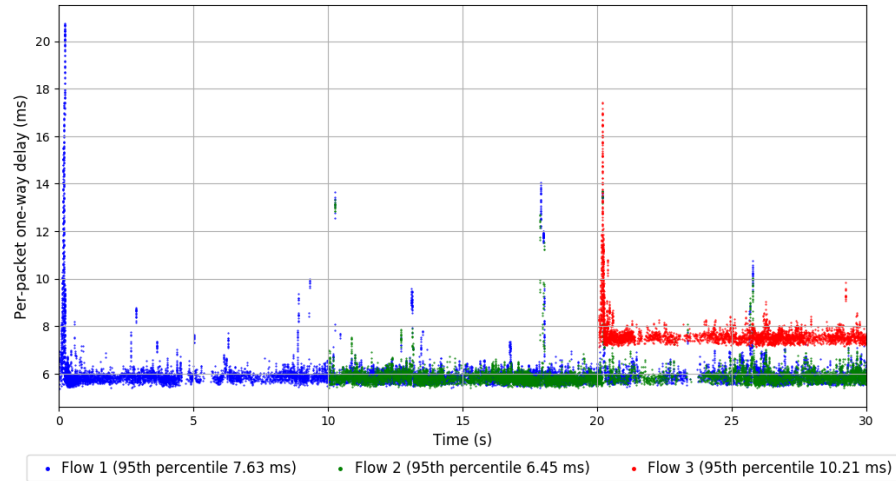
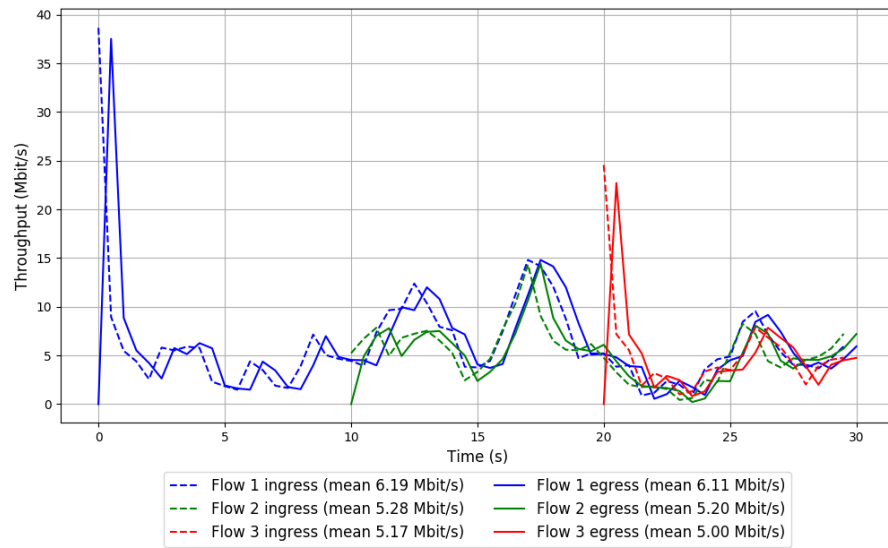


Run 1: Statistics of TCP Cubic

Start at: 2018-07-17 16:45:55
End at: 2018-07-17 16:46:25
Local clock offset: 0.945 ms
Remote clock offset: -10.423 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 8.062 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 7.633 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 5.20 Mbit/s
95th percentile per-packet one-way delay: 6.454 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 10.205 ms
Loss rate: 3.33%

Run 1: Report of TCP Cubic — Data Link

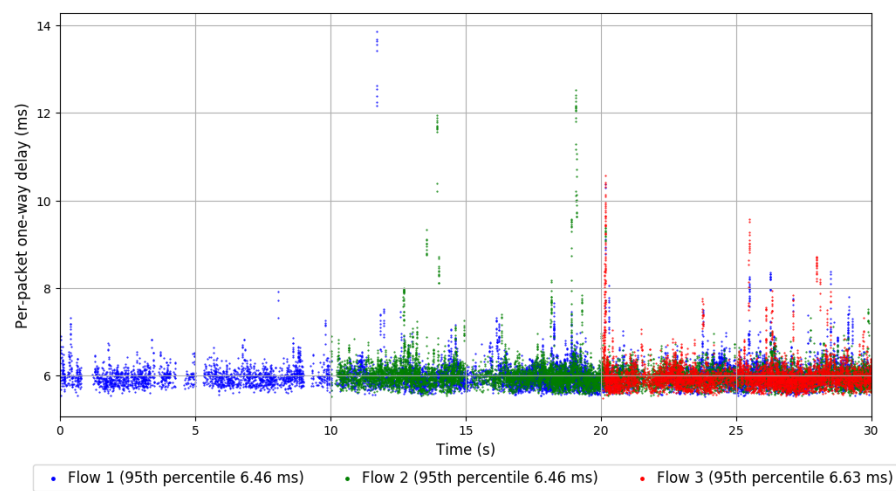
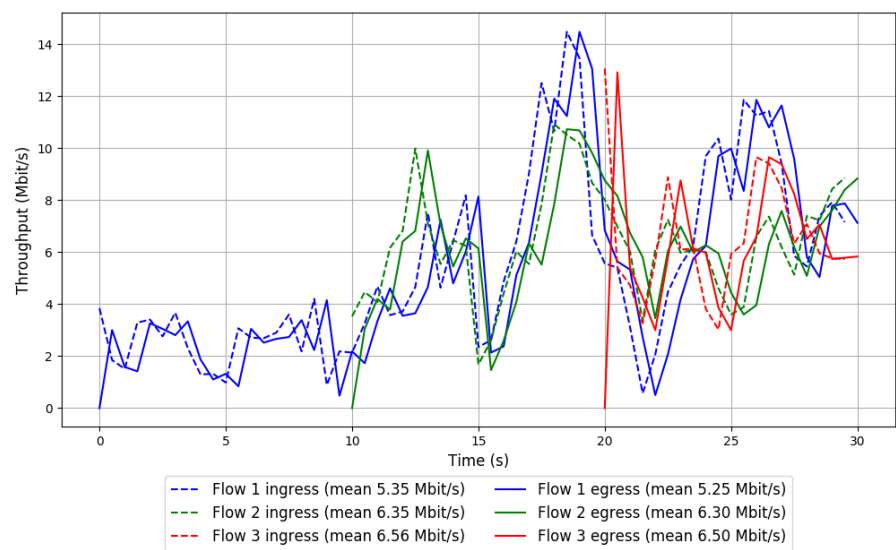


Run 2: Statistics of TCP Cubic

Start at: 2018-07-17 17:06:09
End at: 2018-07-17 17:06:39
Local clock offset: 1.67 ms
Remote clock offset: -10.534 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 6.476 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 6.456 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 6.459 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 6.634 ms
Loss rate: 0.95%

Run 2: Report of TCP Cubic — Data Link

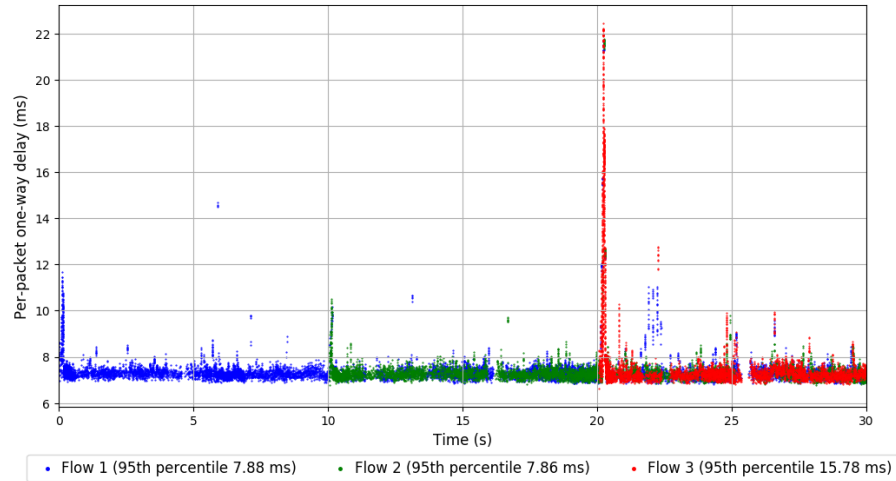
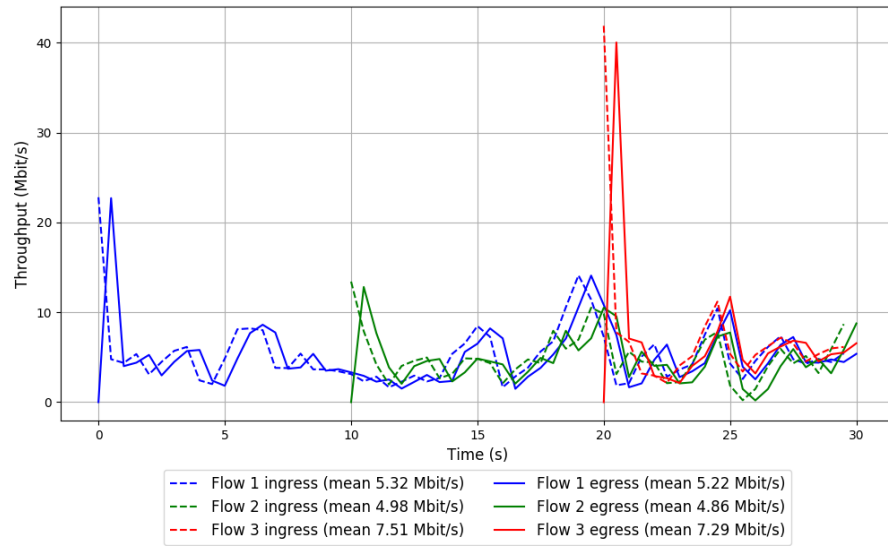


Run 3: Statistics of TCP Cubic

Start at: 2018-07-17 17:26:39
End at: 2018-07-17 17:27:09
Local clock offset: 0.634 ms
Remote clock offset: -5.456 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 8.581 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 7.882 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 7.863 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 15.776 ms
Loss rate: 2.89%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-17 17:46:48

End at: 2018-07-17 17:47:18

Local clock offset: 0.062 ms

Remote clock offset: -1.01 ms

Below is generated by plot.py at 2018-07-17 20:05:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 23.961 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 11.96 Mbit/s

95th percentile per-packet one-way delay: 11.574 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 14.47 Mbit/s

95th percentile per-packet one-way delay: 29.811 ms

Loss rate: 1.47%

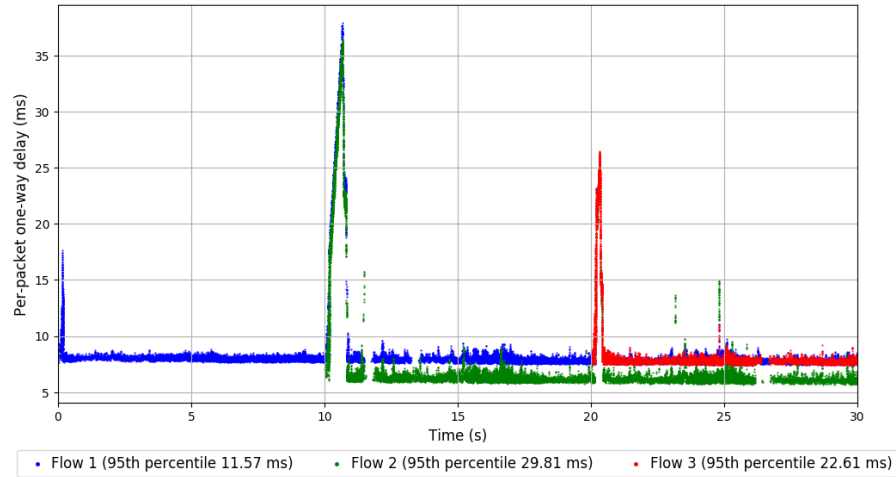
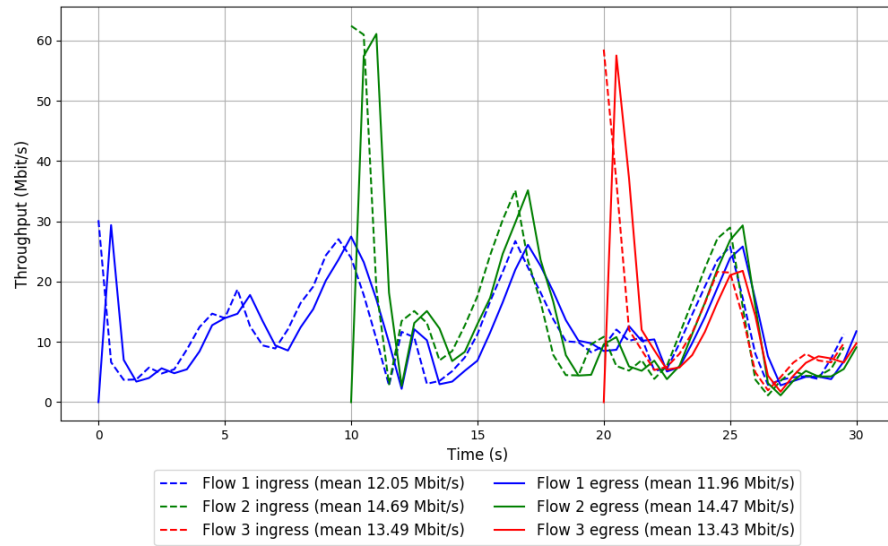
-- Flow 3:

Average throughput: 13.43 Mbit/s

95th percentile per-packet one-way delay: 22.610 ms

Loss rate: 0.46%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-17 18:06:16

End at: 2018-07-17 18:06:46

Local clock offset: 1.971 ms

Remote clock offset: 7.521 ms

Below is generated by plot.py at 2018-07-17 20:05:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.76 Mbit/s

95th percentile per-packet one-way delay: 25.911 ms

Loss rate: 2.13%

-- Flow 1:

Average throughput: 8.14 Mbit/s

95th percentile per-packet one-way delay: 21.736 ms

Loss rate: 1.67%

-- Flow 2:

Average throughput: 9.00 Mbit/s

95th percentile per-packet one-way delay: 31.481 ms

Loss rate: 2.29%

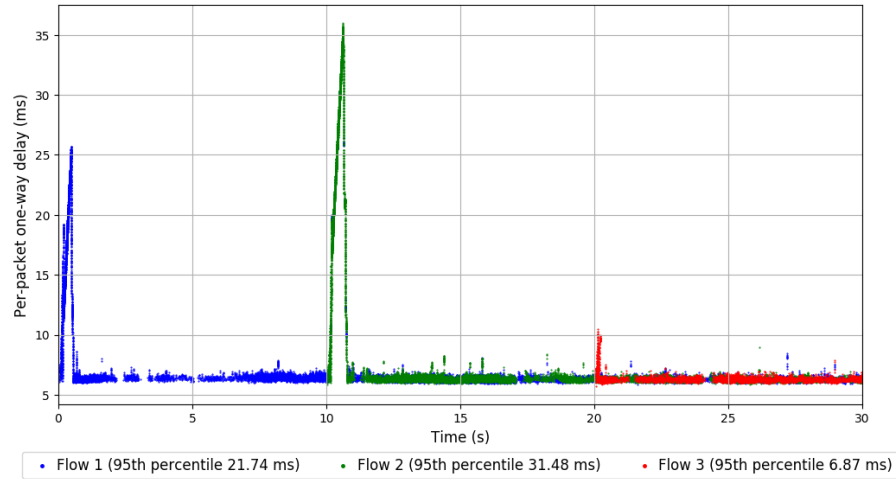
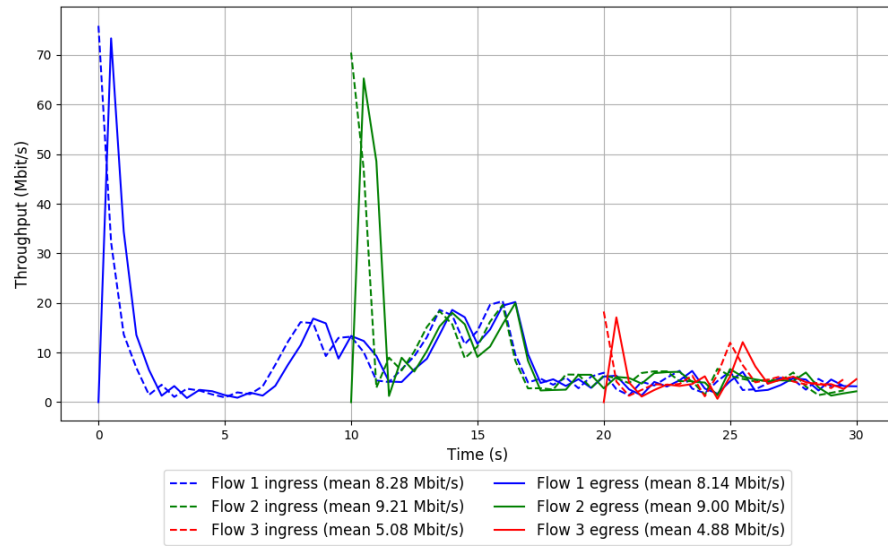
-- Flow 3:

Average throughput: 4.88 Mbit/s

95th percentile per-packet one-way delay: 6.874 ms

Loss rate: 3.82%

Run 5: Report of TCP Cubic — Data Link

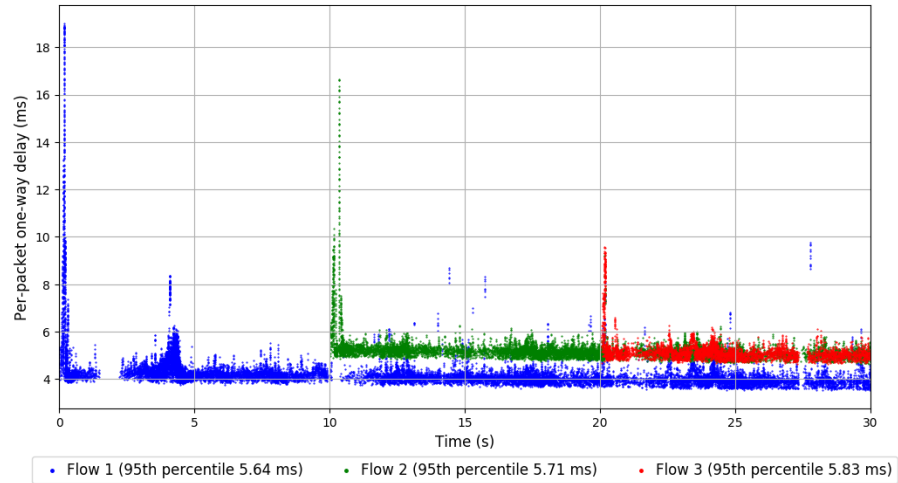
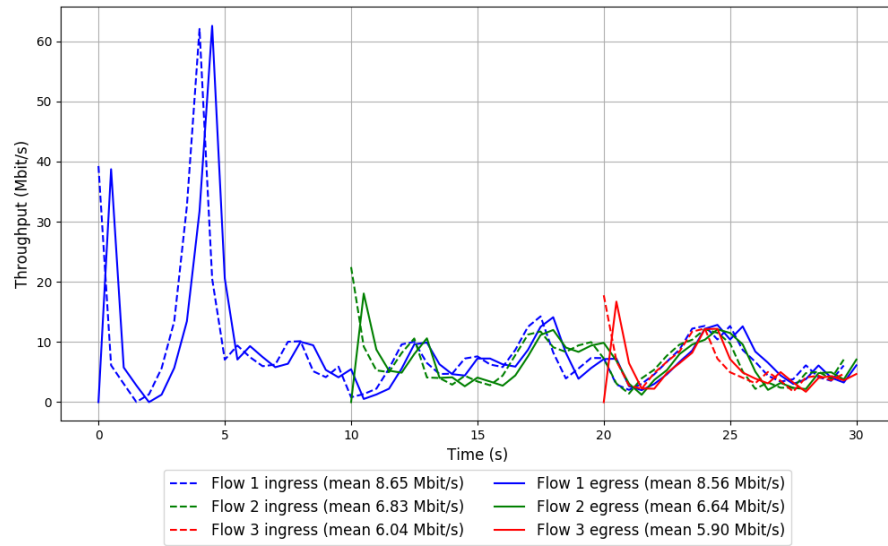


Run 6: Statistics of TCP Cubic

Start at: 2018-07-17 18:26:10
End at: 2018-07-17 18:26:40
Local clock offset: 1.609 ms
Remote clock offset: 11.376 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 5.713 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 5.640 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 5.710 ms
Loss rate: 2.77%
-- Flow 3:
Average throughput: 5.90 Mbit/s
95th percentile per-packet one-way delay: 5.827 ms
Loss rate: 2.36%

Run 6: Report of TCP Cubic — Data Link

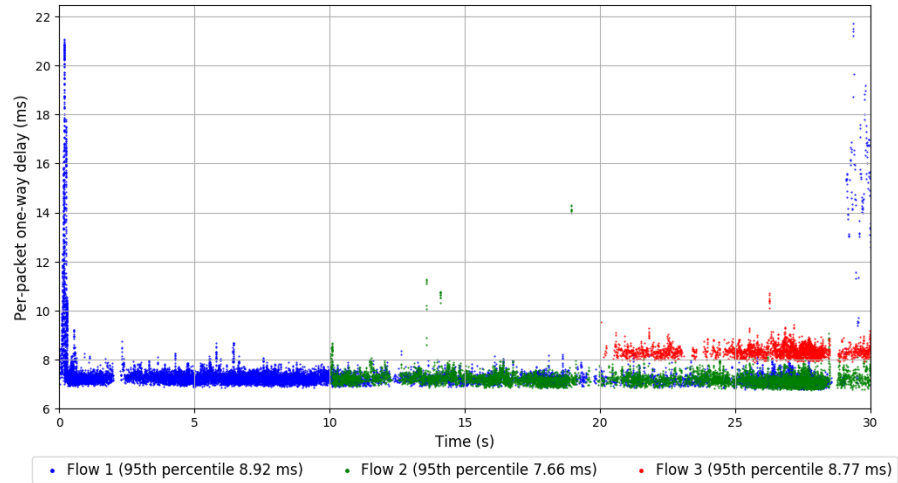
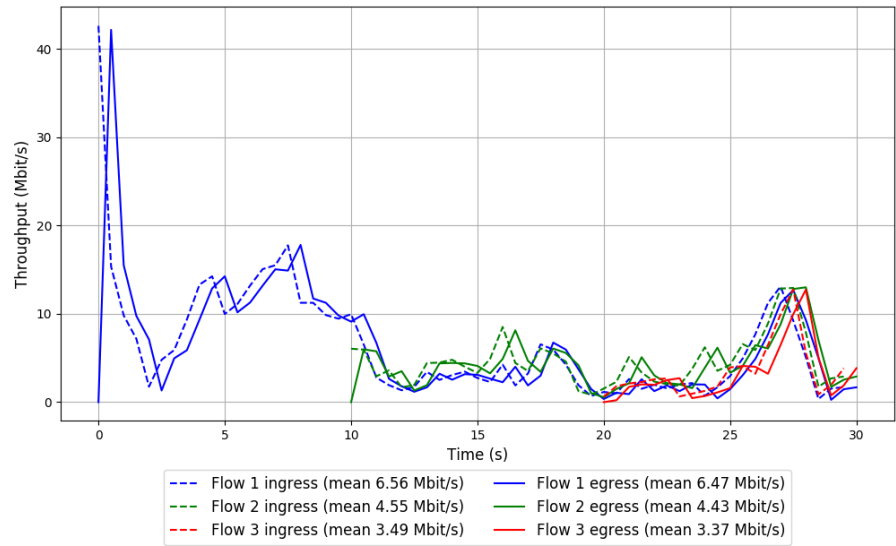


Run 7: Statistics of TCP Cubic

Start at: 2018-07-17 18:46:20
End at: 2018-07-17 18:46:50
Local clock offset: -5.564 ms
Remote clock offset: 16.976 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 8.584 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 8.918 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 7.656 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 8.770 ms
Loss rate: 3.46%

Run 7: Report of TCP Cubic — Data Link

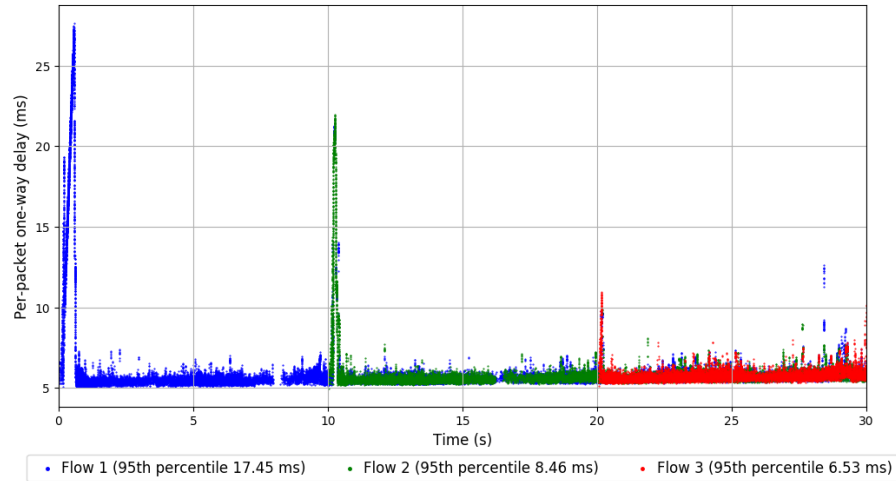
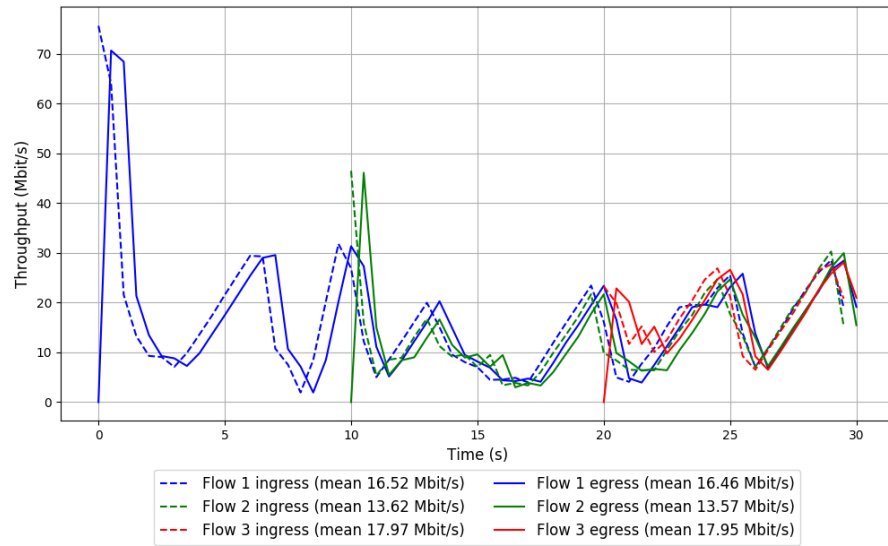


Run 8: Statistics of TCP Cubic

Start at: 2018-07-17 19:06:34
End at: 2018-07-17 19:07:04
Local clock offset: -5.703 ms
Remote clock offset: -8.681 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 12.385 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 17.455 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 8.463 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 17.95 Mbit/s
95th percentile per-packet one-way delay: 6.533 ms
Loss rate: 0.12%

Run 8: Report of TCP Cubic — Data Link

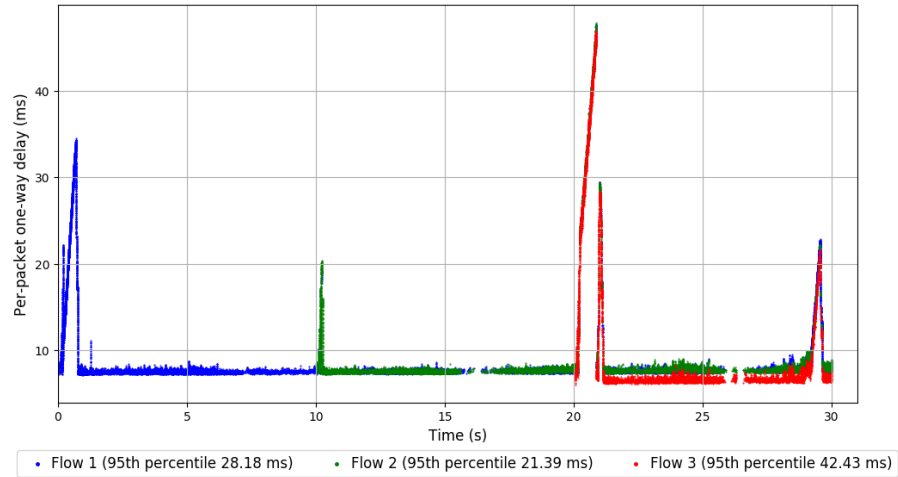
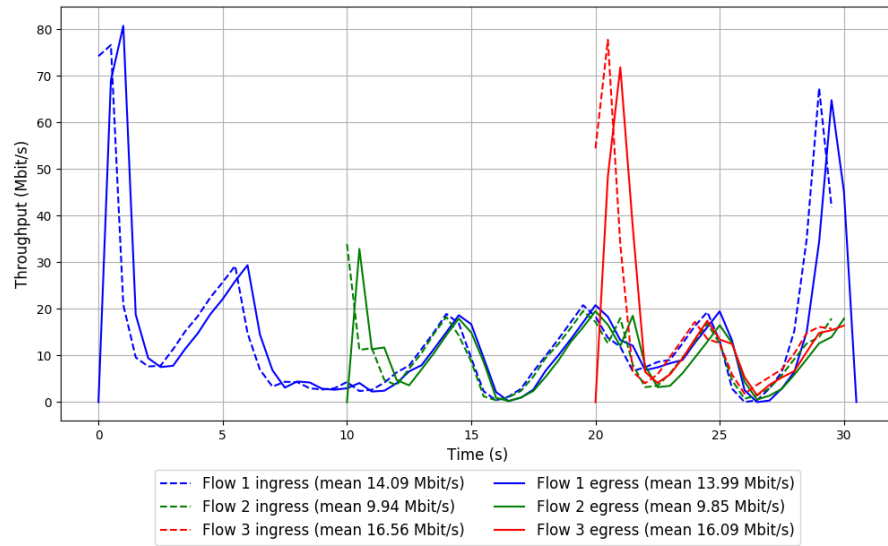


Run 9: Statistics of TCP Cubic

Start at: 2018-07-17 19:27:16
End at: 2018-07-17 19:27:46
Local clock offset: -7.565 ms
Remote clock offset: -18.159 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 32.745 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 13.99 Mbit/s
95th percentile per-packet one-way delay: 28.185 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 9.85 Mbit/s
95th percentile per-packet one-way delay: 21.387 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 42.434 ms
Loss rate: 2.82%

Run 9: Report of TCP Cubic — Data Link

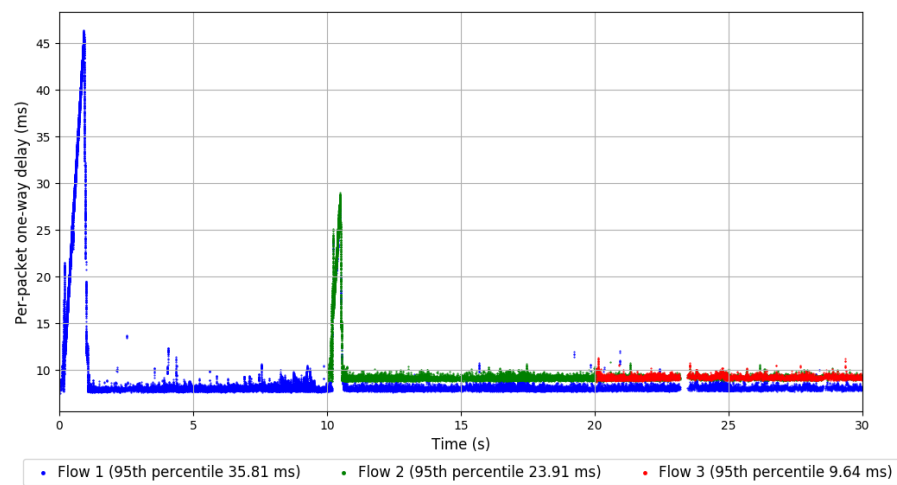
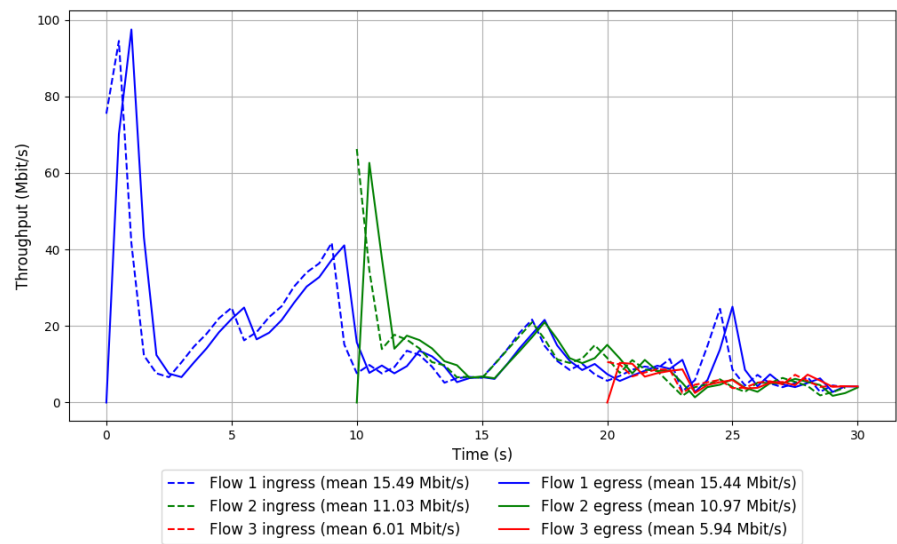


Run 10: Statistics of TCP Cubic

Start at: 2018-07-17 19:47:42
End at: 2018-07-17 19:48:12
Local clock offset: -4.602 ms
Remote clock offset: -20.09 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 29.696 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 35.814 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 23.915 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 9.640 ms
Loss rate: 1.10%

Run 10: Report of TCP Cubic — Data Link

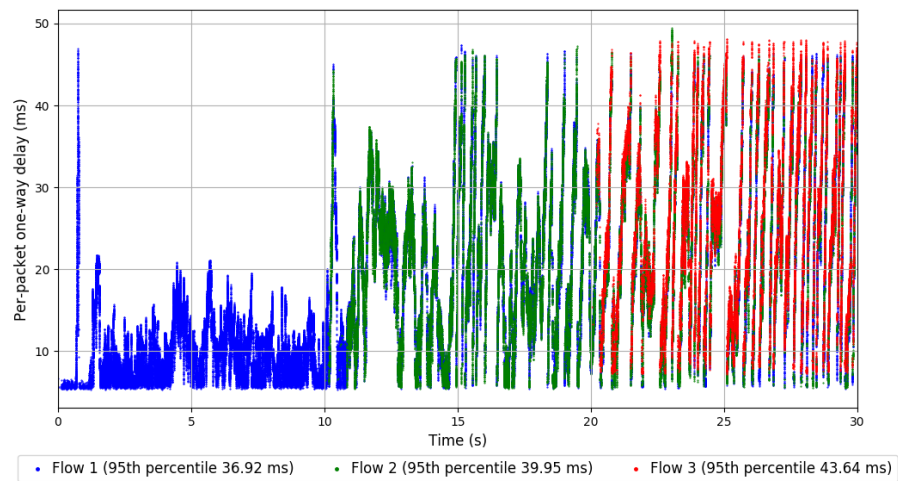
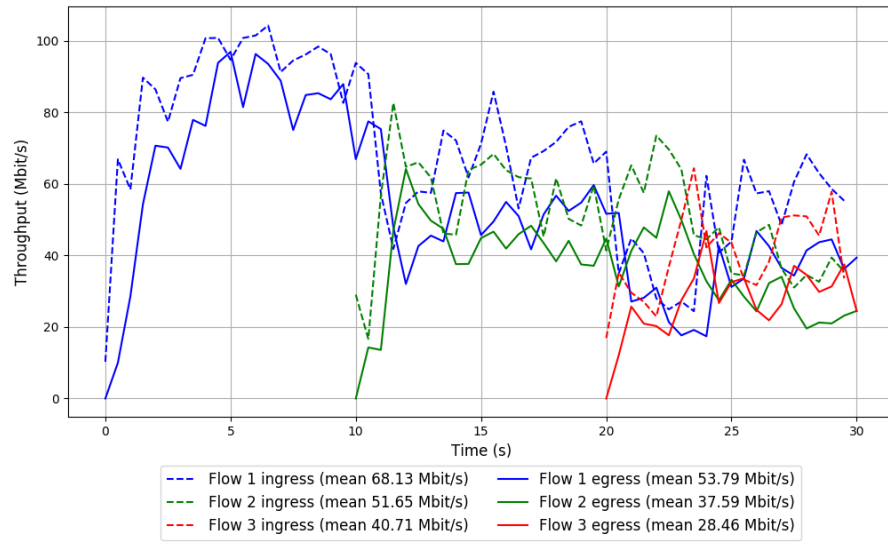


Run 1: Statistics of FillP

Start at: 2018-07-17 16:42:29
End at: 2018-07-17 16:42:59
Local clock offset: 1.498 ms
Remote clock offset: -9.609 ms

Below is generated by plot.py at 2018-07-17 20:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 39.146 ms
Loss rate: 23.87%
-- Flow 1:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 36.918 ms
Loss rate: 20.99%
-- Flow 2:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 39.950 ms
Loss rate: 27.14%
-- Flow 3:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 43.636 ms
Loss rate: 30.03%

Run 1: Report of FillP — Data Link

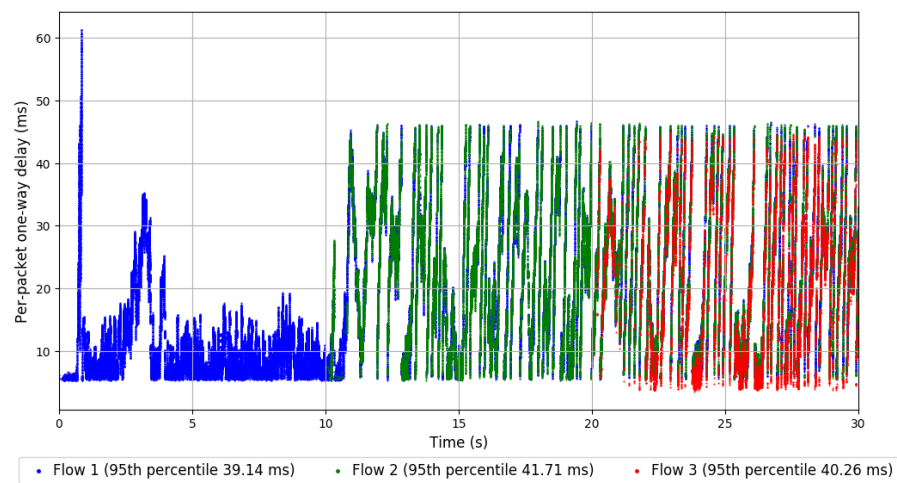
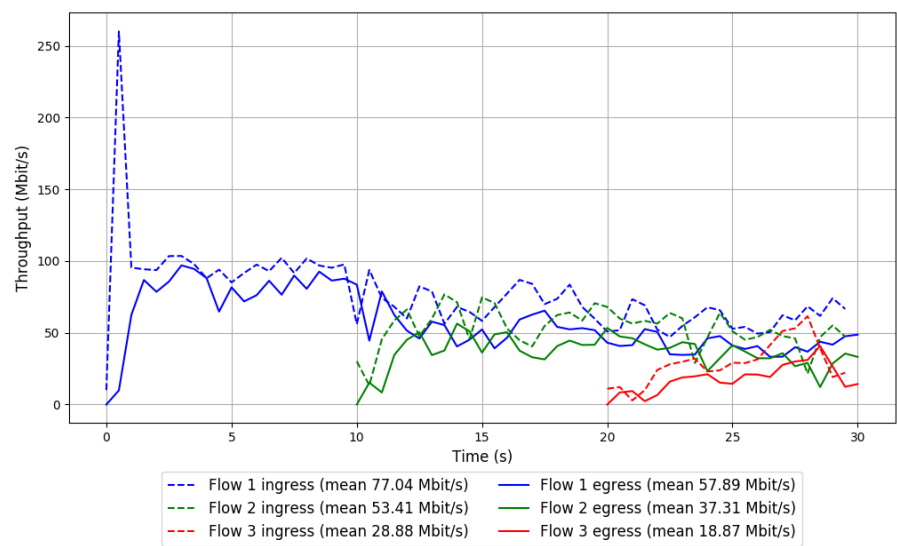


Run 2: Statistics of FillP

Start at: 2018-07-17 17:02:46
End at: 2018-07-17 17:03:16
Local clock offset: 2.612 ms
Remote clock offset: -11.145 ms

Below is generated by plot.py at 2018-07-17 20:05:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 40.138 ms
Loss rate: 27.09%
-- Flow 1:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 39.142 ms
Loss rate: 24.79%
-- Flow 2:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 41.713 ms
Loss rate: 30.05%
-- Flow 3:
Average throughput: 18.87 Mbit/s
95th percentile per-packet one-way delay: 40.262 ms
Loss rate: 34.55%

Run 2: Report of FillP — Data Link

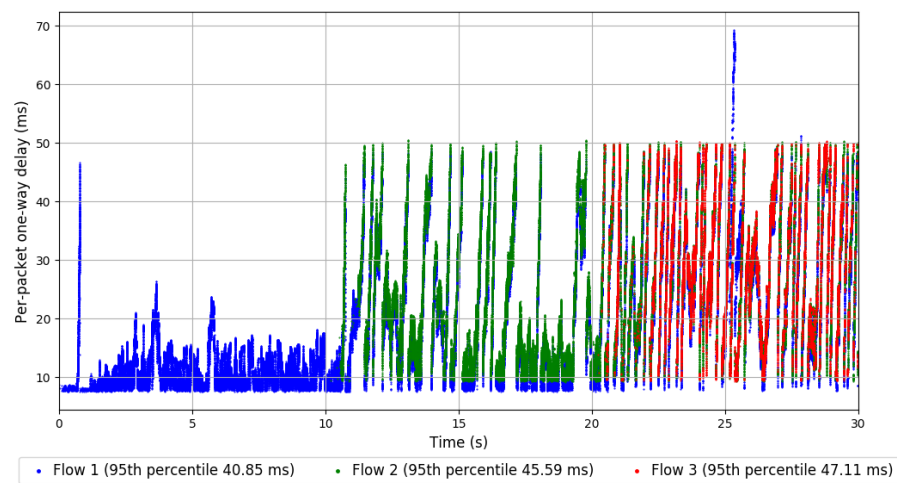
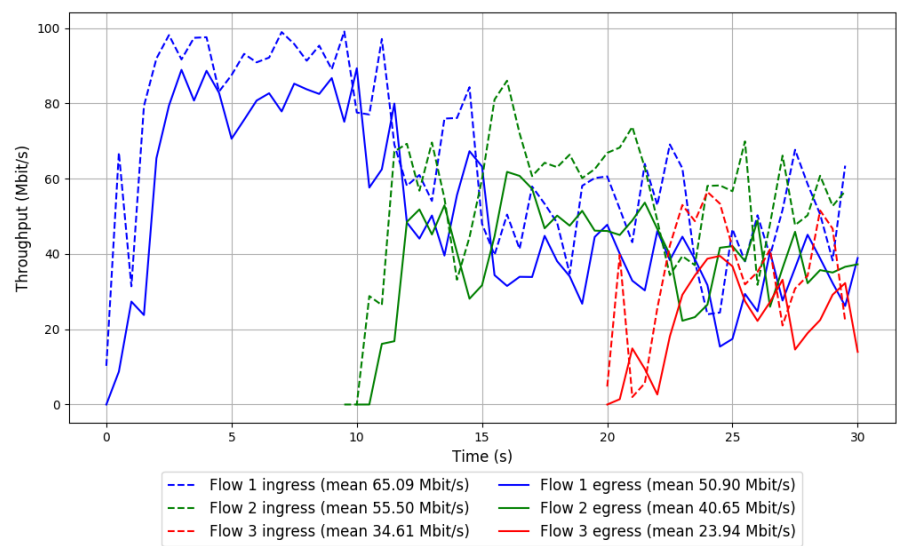


Run 3: Statistics of FillP

Start at: 2018-07-17 17:23:16
End at: 2018-07-17 17:23:46
Local clock offset: -0.104 ms
Remote clock offset: -5.894 ms

Below is generated by plot.py at 2018-07-17 20:05:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 44.001 ms
Loss rate: 24.70%
-- Flow 1:
Average throughput: 50.90 Mbit/s
95th percentile per-packet one-way delay: 40.854 ms
Loss rate: 21.79%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 45.595 ms
Loss rate: 27.48%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 47.111 ms
Loss rate: 32.23%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-17 17:43:19

End at: 2018-07-17 17:43:49

Local clock offset: 0.634 ms

Remote clock offset: -2.13 ms

Below is generated by plot.py at 2018-07-17 20:05:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.71 Mbit/s

95th percentile per-packet one-way delay: 40.429 ms

Loss rate: 25.20%

-- Flow 1:

Average throughput: 50.83 Mbit/s

95th percentile per-packet one-way delay: 37.624 ms

Loss rate: 24.40%

-- Flow 2:

Average throughput: 39.62 Mbit/s

95th percentile per-packet one-way delay: 42.408 ms

Loss rate: 25.43%

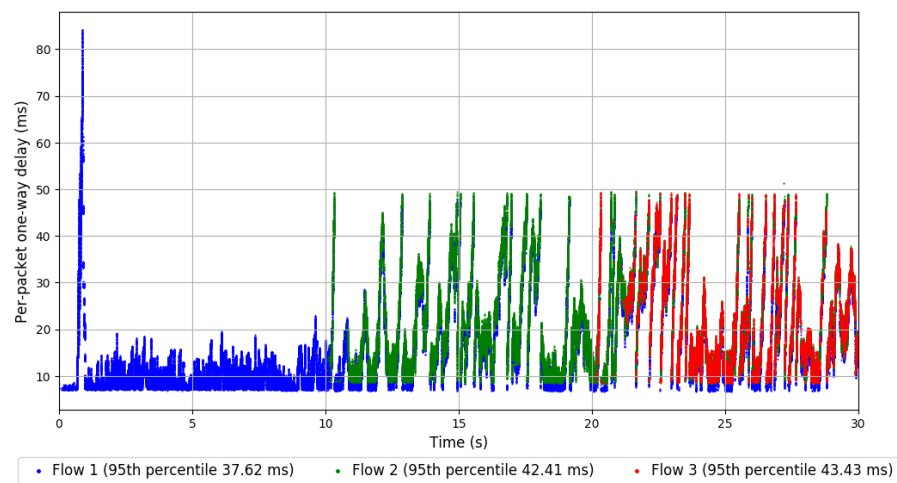
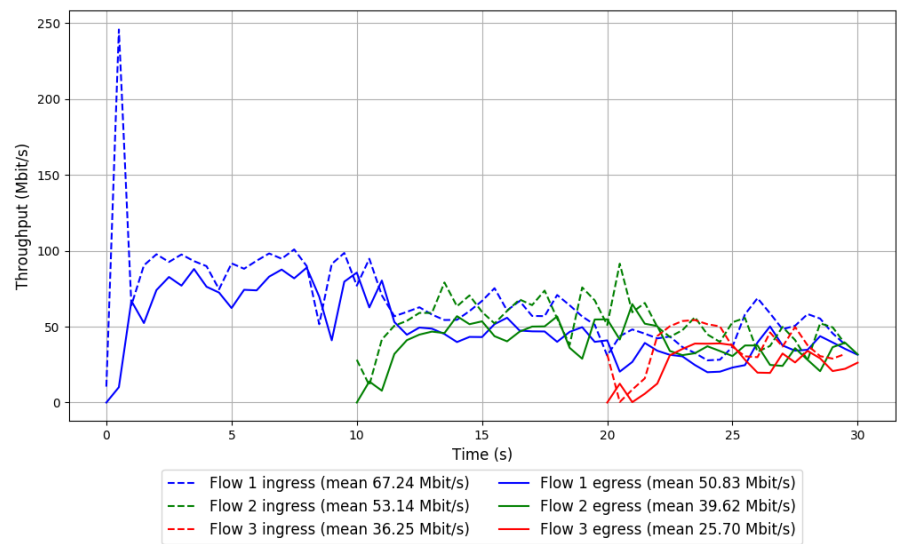
-- Flow 3:

Average throughput: 25.70 Mbit/s

95th percentile per-packet one-way delay: 43.427 ms

Loss rate: 29.07%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-17 18:02:53

End at: 2018-07-17 18:03:23

Local clock offset: -2.54 ms

Remote clock offset: 6.446 ms

Below is generated by plot.py at 2018-07-17 20:05:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.78 Mbit/s

95th percentile per-packet one-way delay: 44.356 ms

Loss rate: 24.78%

-- Flow 1:

Average throughput: 50.42 Mbit/s

95th percentile per-packet one-way delay: 43.196 ms

Loss rate: 21.92%

-- Flow 2:

Average throughput: 37.89 Mbit/s

95th percentile per-packet one-way delay: 45.194 ms

Loss rate: 28.20%

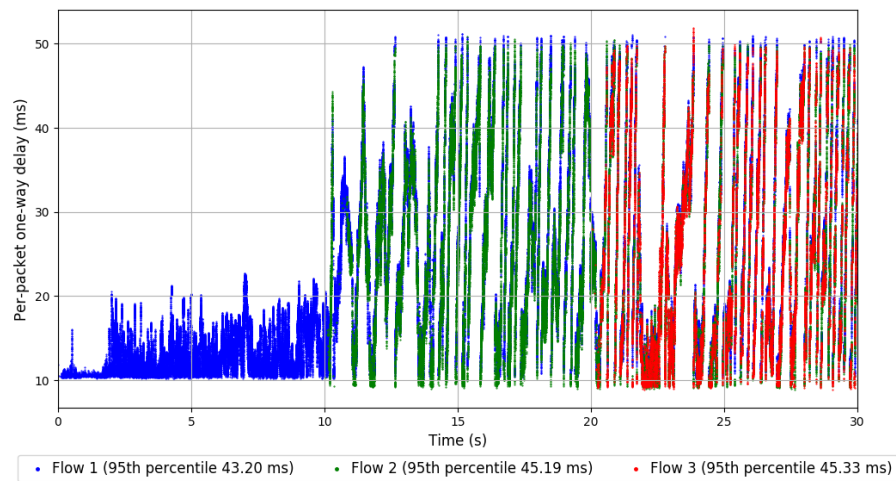
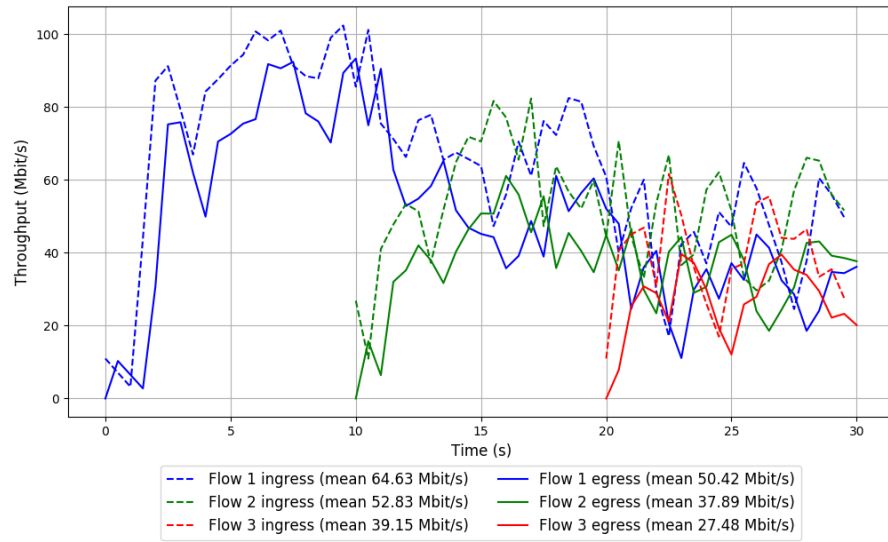
-- Flow 3:

Average throughput: 27.48 Mbit/s

95th percentile per-packet one-way delay: 45.326 ms

Loss rate: 29.73%

Run 5: Report of FillP — Data Link

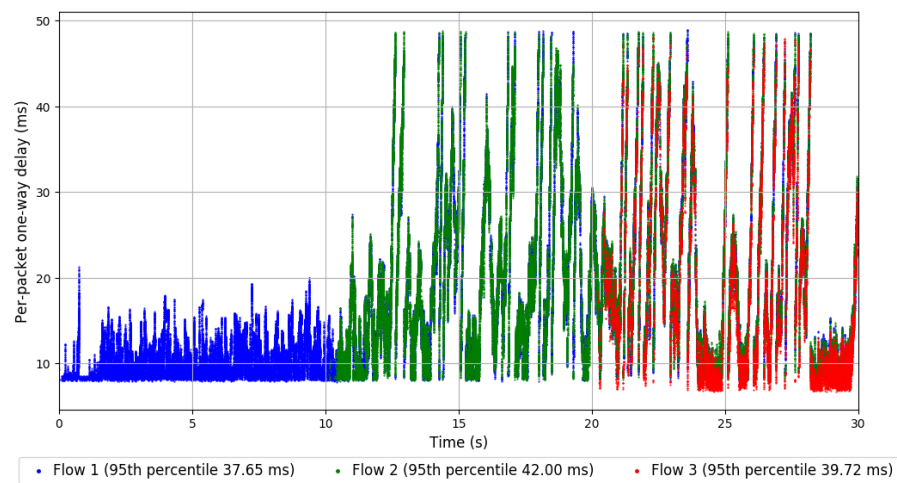
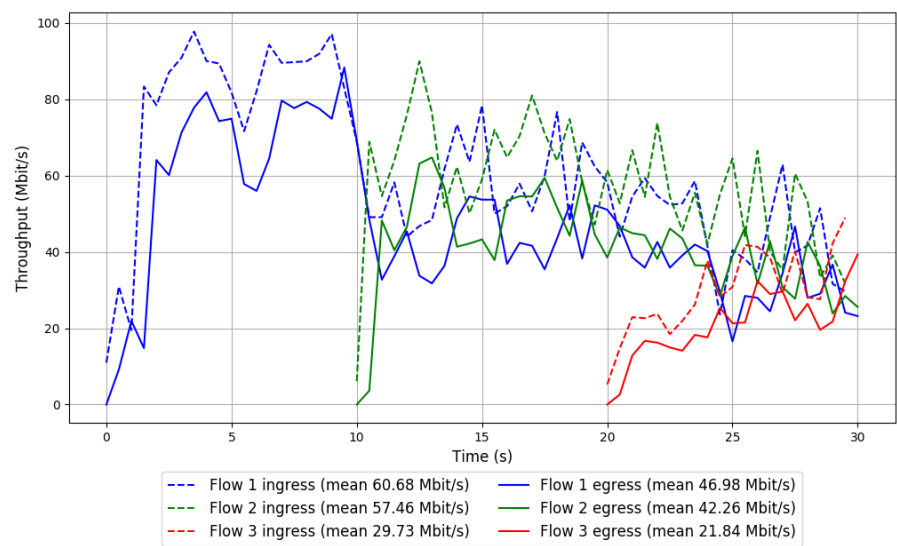


Run 6: Statistics of FillP

Start at: 2018-07-17 18:22:47
End at: 2018-07-17 18:23:17
Local clock offset: 0.499 ms
Remote clock offset: 12.036 ms

Below is generated by plot.py at 2018-07-17 20:06:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 39.980 ms
Loss rate: 24.26%
-- Flow 1:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 37.645 ms
Loss rate: 22.54%
-- Flow 2:
Average throughput: 42.26 Mbit/s
95th percentile per-packet one-way delay: 42.004 ms
Loss rate: 26.38%
-- Flow 3:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 39.716 ms
Loss rate: 26.54%

Run 6: Report of FillP — Data Link

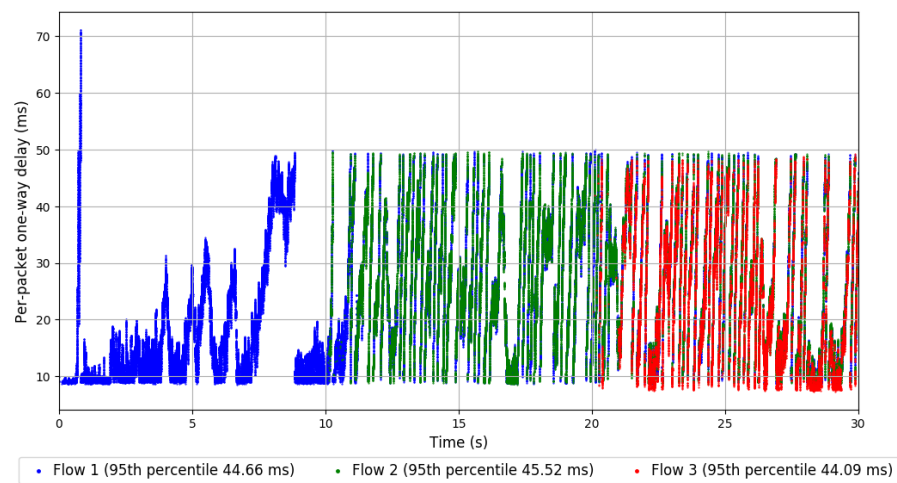
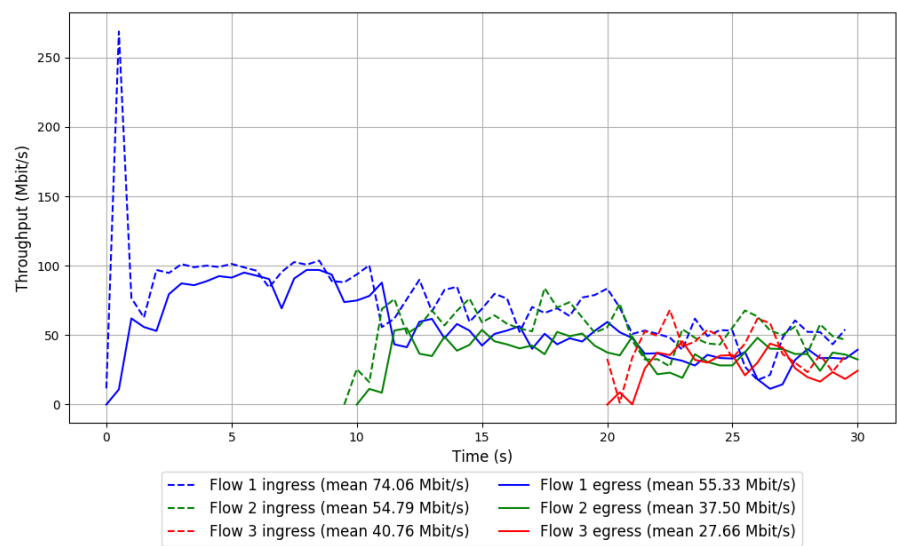


Run 7: Statistics of FillP

Start at: 2018-07-17 18:42:55
End at: 2018-07-17 18:43:25
Local clock offset: -6.65 ms
Remote clock offset: 15.529 ms

Below is generated by plot.py at 2018-07-17 20:06:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 44.875 ms
Loss rate: 27.78%
-- Flow 1:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 44.655 ms
Loss rate: 25.20%
-- Flow 2:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 45.518 ms
Loss rate: 31.44%
-- Flow 3:
Average throughput: 27.66 Mbit/s
95th percentile per-packet one-way delay: 44.088 ms
Loss rate: 31.99%

Run 7: Report of FillP — Data Link

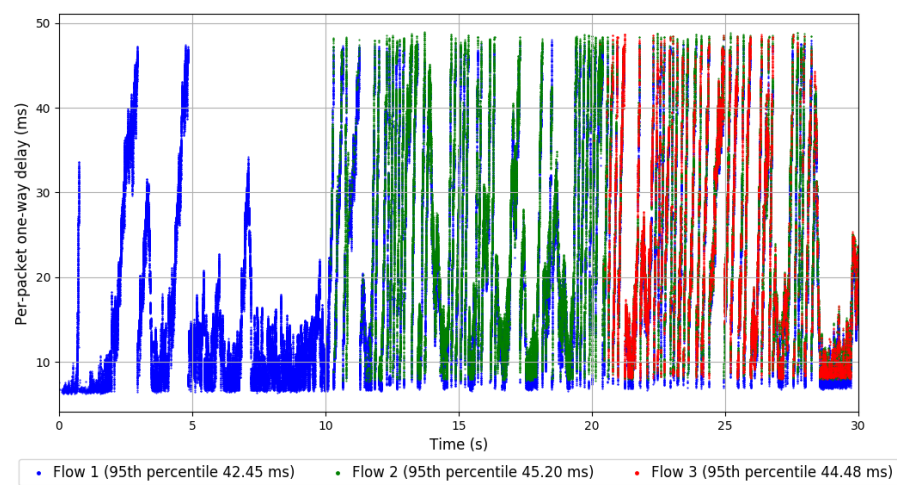
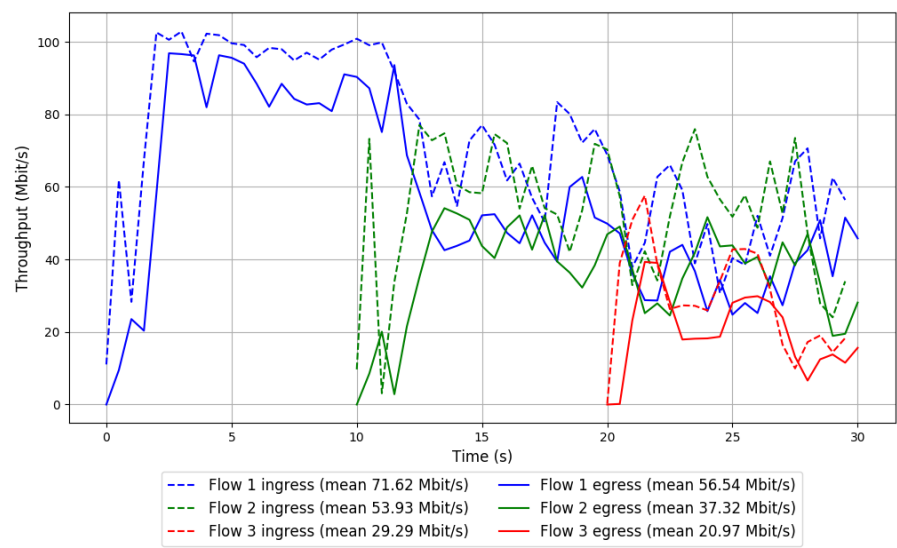


Run 8: Statistics of FillP

Start at: 2018-07-17 19:03:08
End at: 2018-07-17 19:03:38
Local clock offset: -7.606 ms
Remote clock offset: -6.279 ms

Below is generated by plot.py at 2018-07-17 20:06:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: 43.645 ms
Loss rate: 24.62%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 42.450 ms
Loss rate: 21.02%
-- Flow 2:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 45.203 ms
Loss rate: 30.76%
-- Flow 3:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 44.477 ms
Loss rate: 28.51%

Run 8: Report of FillP — Data Link

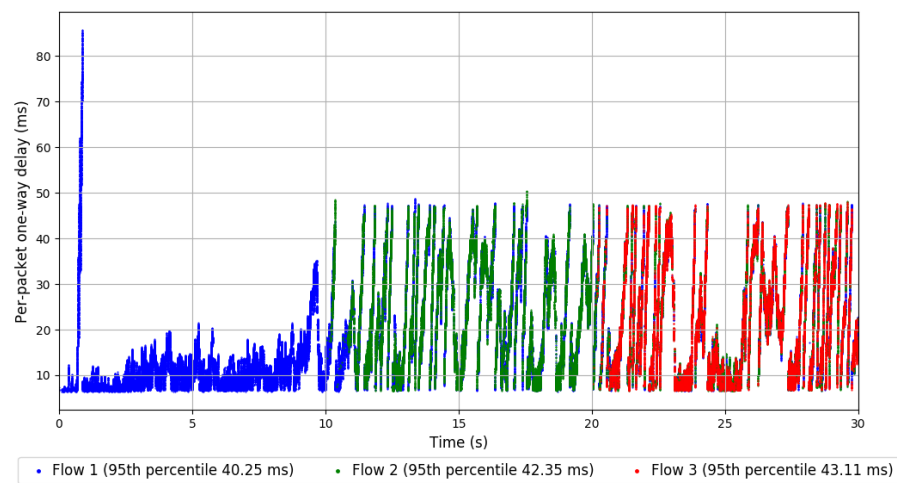
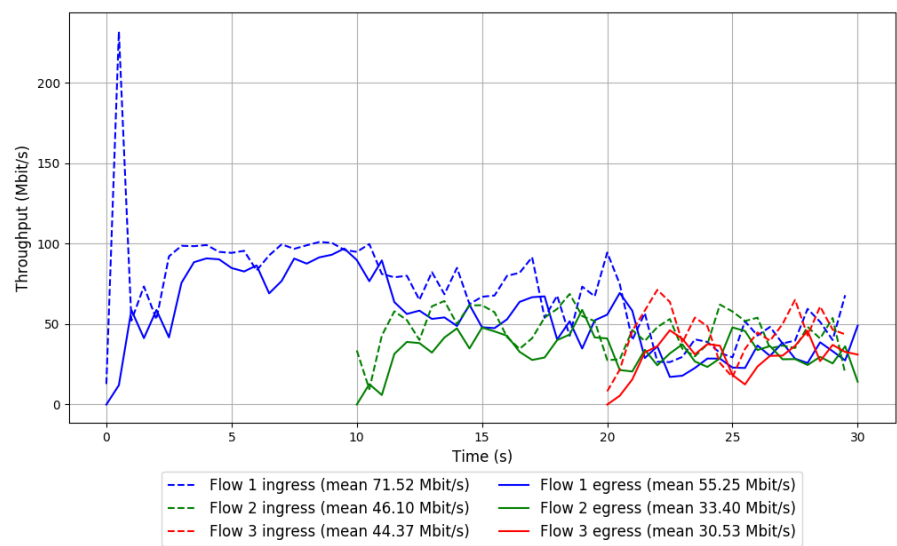


Run 9: Statistics of FillP

Start at: 2018-07-17 19:23:47
End at: 2018-07-17 19:24:17
Local clock offset: -7.776 ms
Remote clock offset: -16.299 ms

Below is generated by plot.py at 2018-07-17 20:06:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 41.503 ms
Loss rate: 25.02%
-- Flow 1:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 40.254 ms
Loss rate: 22.70%
-- Flow 2:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 42.348 ms
Loss rate: 27.53%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 43.106 ms
Loss rate: 31.08%

Run 9: Report of FillP — Data Link

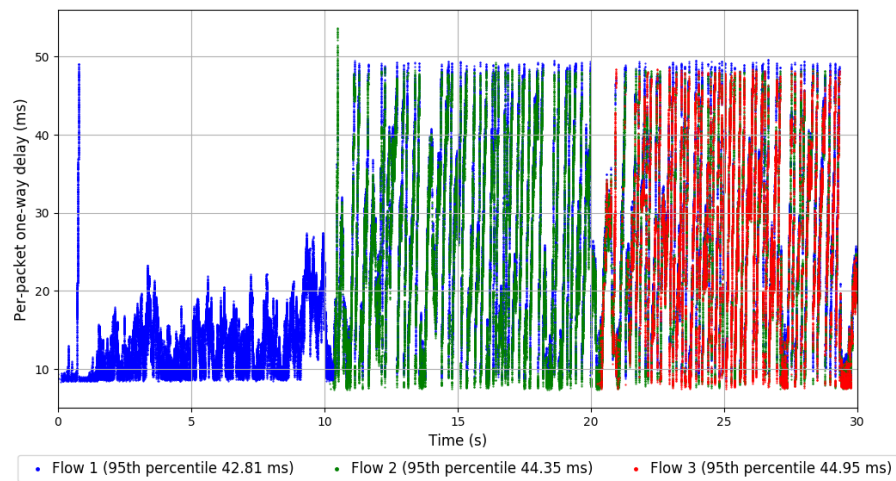
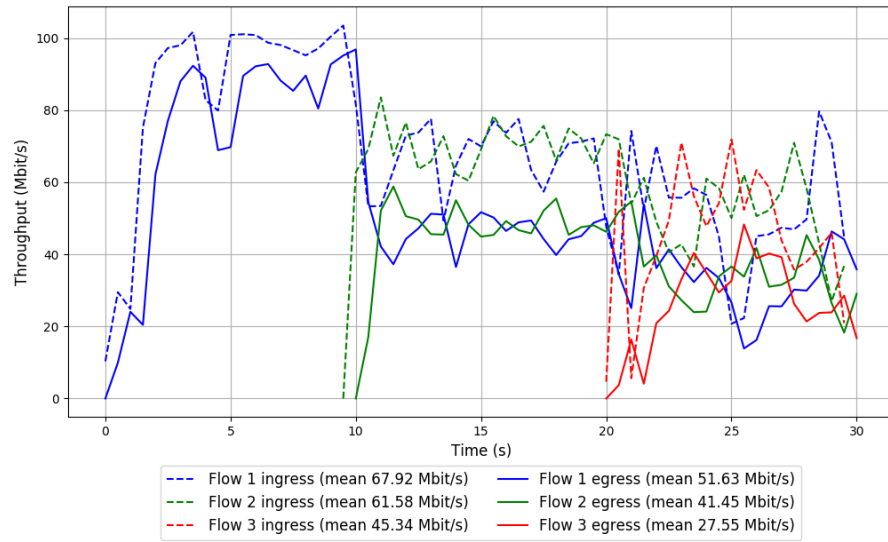


Run 10: Statistics of FillP

Start at: 2018-07-17 19:44:15
End at: 2018-07-17 19:44:45
Local clock offset: -3.944 ms
Remote clock offset: -18.675 ms

Below is generated by plot.py at 2018-07-17 20:07:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 43.746 ms
Loss rate: 28.91%
-- Flow 1:
Average throughput: 51.63 Mbit/s
95th percentile per-packet one-way delay: 42.810 ms
Loss rate: 23.96%
-- Flow 2:
Average throughput: 41.45 Mbit/s
95th percentile per-packet one-way delay: 44.347 ms
Loss rate: 33.32%
-- Flow 3:
Average throughput: 27.55 Mbit/s
95th percentile per-packet one-way delay: 44.950 ms
Loss rate: 39.26%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-17 16:41:15

End at: 2018-07-17 16:41:45

Local clock offset: -1.177 ms

Remote clock offset: -9.49 ms

Below is generated by plot.py at 2018-07-17 20:07:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.27 Mbit/s

95th percentile per-packet one-way delay: 45.449 ms

Loss rate: 23.45%

-- Flow 1:

Average throughput: 51.43 Mbit/s

95th percentile per-packet one-way delay: 44.230 ms

Loss rate: 20.01%

-- Flow 2:

Average throughput: 42.97 Mbit/s

95th percentile per-packet one-way delay: 46.542 ms

Loss rate: 26.26%

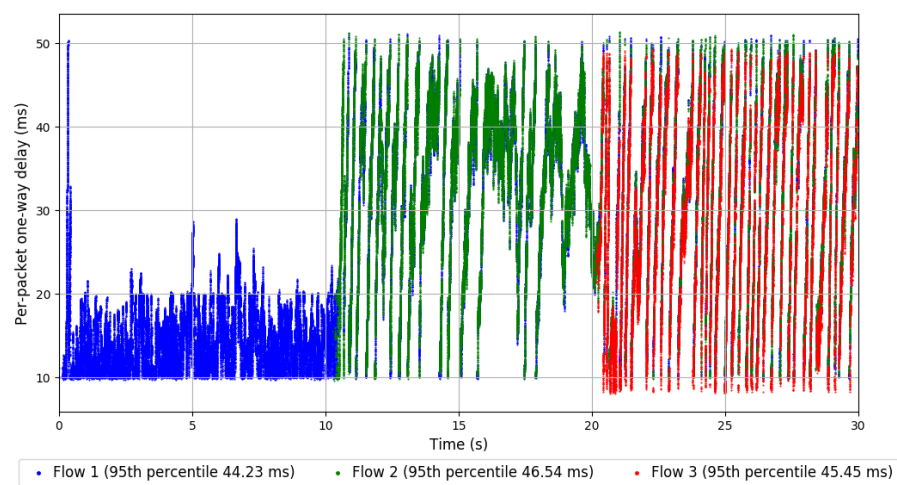
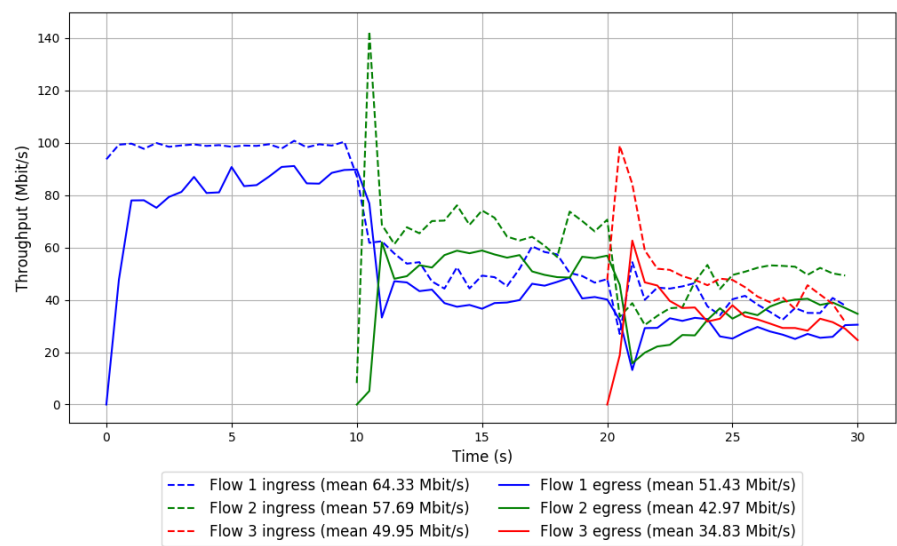
-- Flow 3:

Average throughput: 34.83 Mbit/s

95th percentile per-packet one-way delay: 45.455 ms

Loss rate: 30.25%

Run 1: Report of FillP-Sheep — Data Link

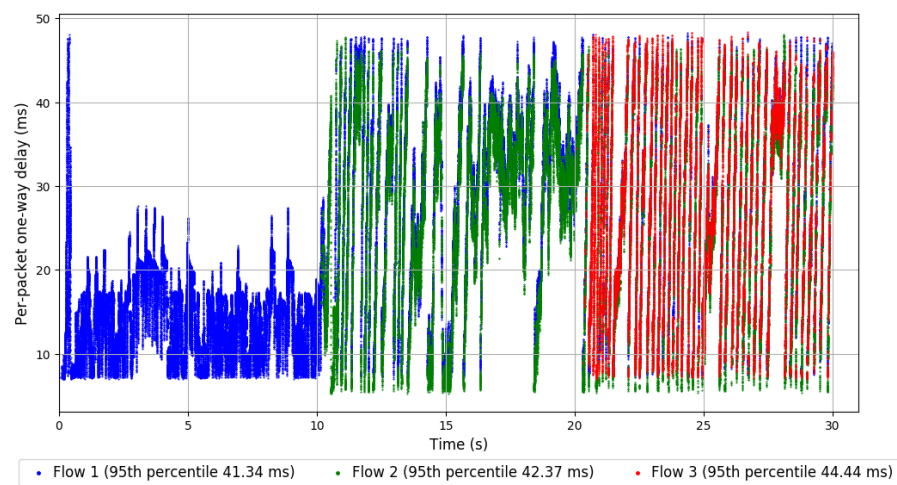
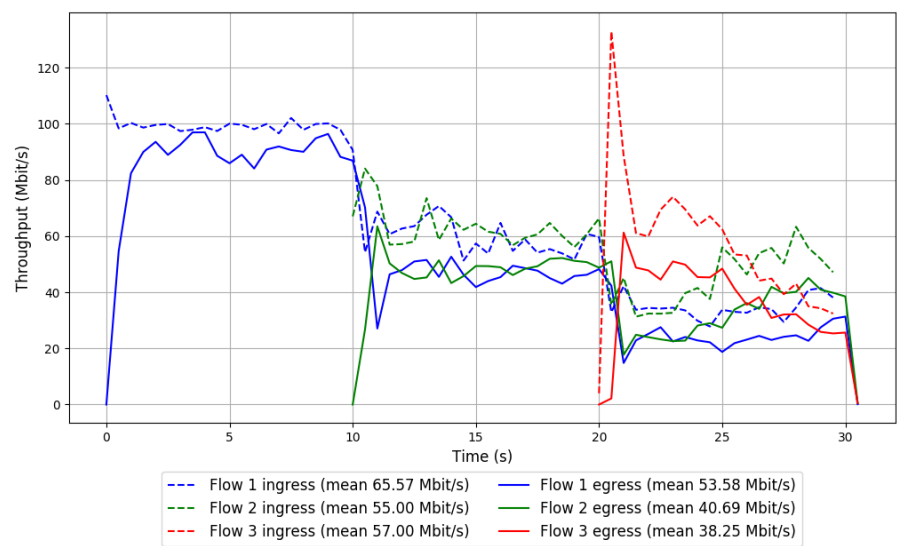


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-17 17:01:35
End at: 2018-07-17 17:02:05
Local clock offset: 2.266 ms
Remote clock offset: -9.748 ms

Below is generated by plot.py at 2018-07-17 20:07:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 42.407 ms
Loss rate: 22.81%
-- Flow 1:
Average throughput: 53.58 Mbit/s
95th percentile per-packet one-way delay: 41.336 ms
Loss rate: 18.19%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 42.368 ms
Loss rate: 25.91%
-- Flow 3:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 44.442 ms
Loss rate: 32.84%

Run 2: Report of FillP-Sheep — Data Link

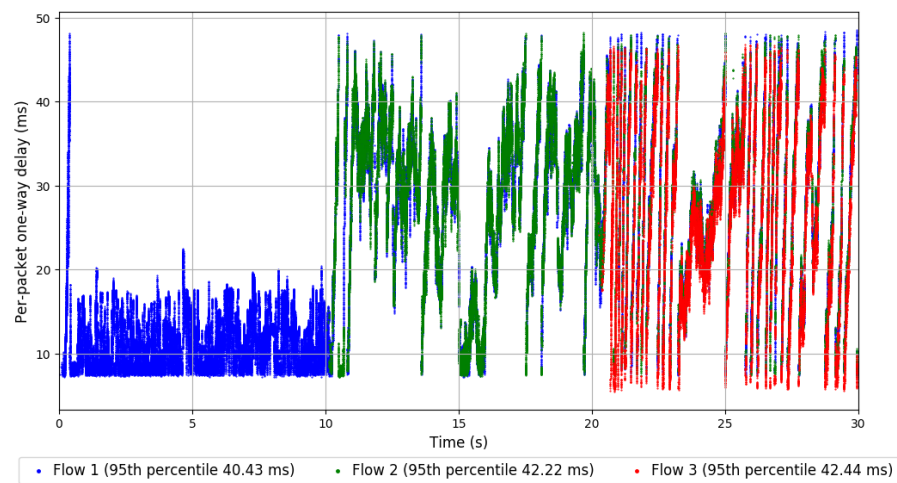
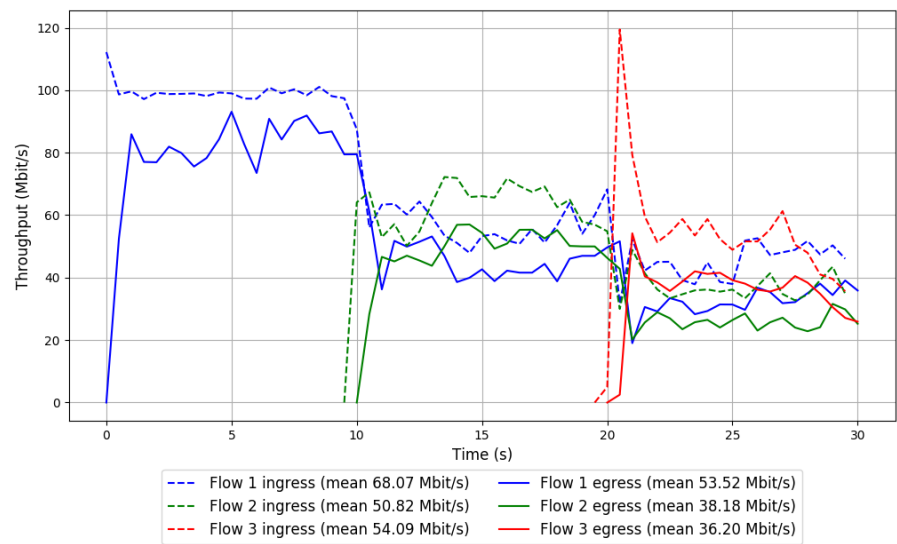


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-17 17:22:03
End at: 2018-07-17 17:22:33
Local clock offset: 1.779 ms
Remote clock offset: -6.183 ms

Below is generated by plot.py at 2018-07-17 20:07:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 41.430 ms
Loss rate: 24.14%
-- Flow 1:
Average throughput: 53.52 Mbit/s
95th percentile per-packet one-way delay: 40.434 ms
Loss rate: 21.36%
-- Flow 2:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 42.224 ms
Loss rate: 24.88%
-- Flow 3:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 42.439 ms
Loss rate: 33.28%

Run 3: Report of FillP-Sheep — Data Link

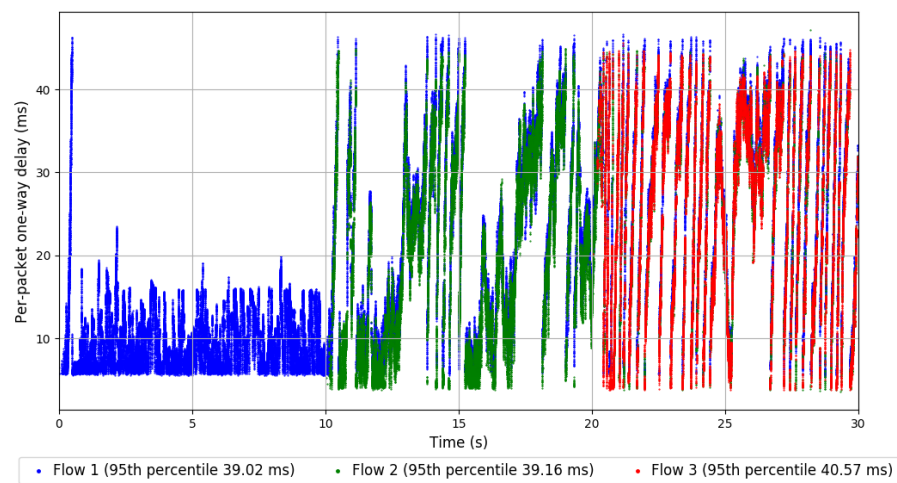
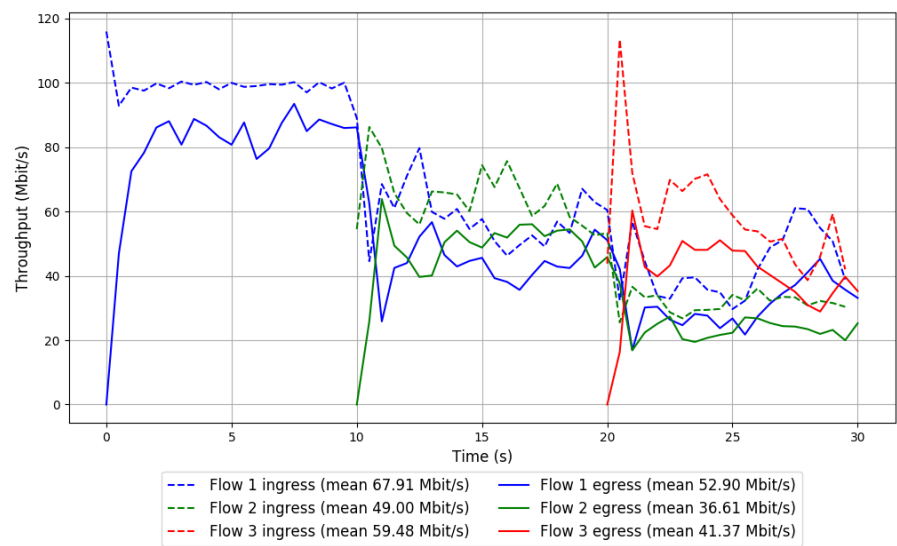


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-17 17:42:06
End at: 2018-07-17 17:42:36
Local clock offset: 2.938 ms
Remote clock offset: -4.054 ms

Below is generated by plot.py at 2018-07-17 20:07:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 39.407 ms
Loss rate: 24.26%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 39.018 ms
Loss rate: 22.04%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 39.160 ms
Loss rate: 25.19%
-- Flow 3:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 40.568 ms
Loss rate: 30.37%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-17 18:01:44

End at: 2018-07-17 18:02:14

Local clock offset: -0.364 ms

Remote clock offset: 6.113 ms

Below is generated by plot.py at 2018-07-17 20:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 42.364 ms

Loss rate: 22.79%

-- Flow 1:

Average throughput: 54.85 Mbit/s

95th percentile per-packet one-way delay: 39.914 ms

Loss rate: 19.64%

-- Flow 2:

Average throughput: 36.23 Mbit/s

95th percentile per-packet one-way delay: 42.863 ms

Loss rate: 26.75%

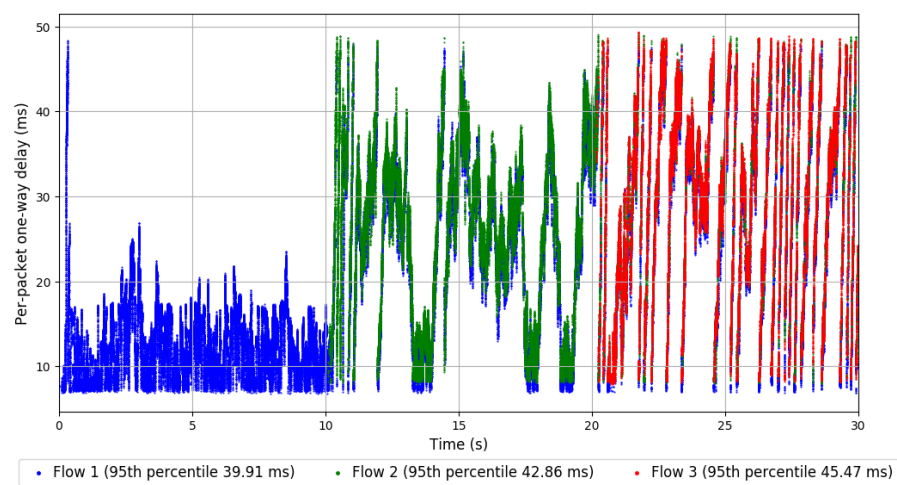
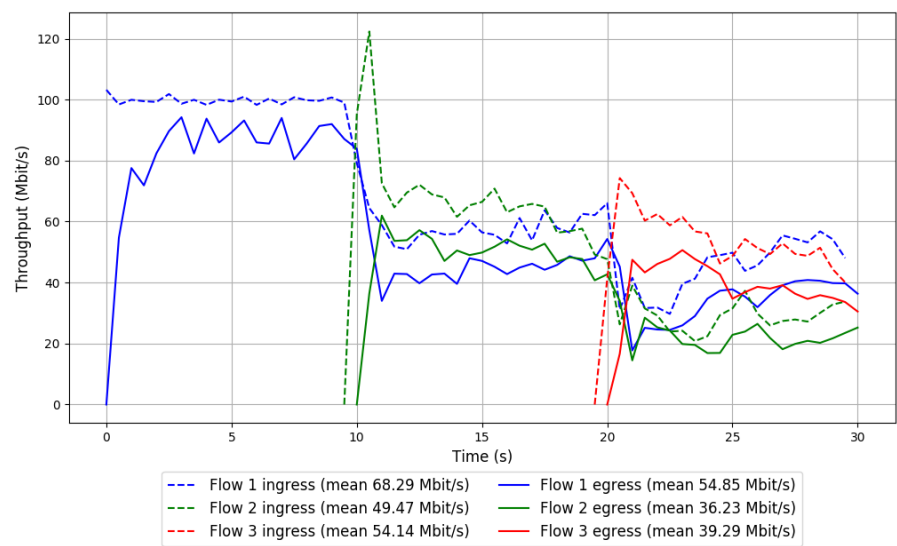
-- Flow 3:

Average throughput: 39.29 Mbit/s

95th percentile per-packet one-way delay: 45.466 ms

Loss rate: 27.52%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-17 18:21:36

End at: 2018-07-17 18:22:06

Local clock offset: 0.61 ms

Remote clock offset: 11.21 ms

Below is generated by plot.py at 2018-07-17 20:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 36.500 ms

Loss rate: 25.20%

-- Flow 1:

Average throughput: 51.17 Mbit/s

95th percentile per-packet one-way delay: 34.183 ms

Loss rate: 24.00%

-- Flow 2:

Average throughput: 35.66 Mbit/s

95th percentile per-packet one-way delay: 37.754 ms

Loss rate: 27.01%

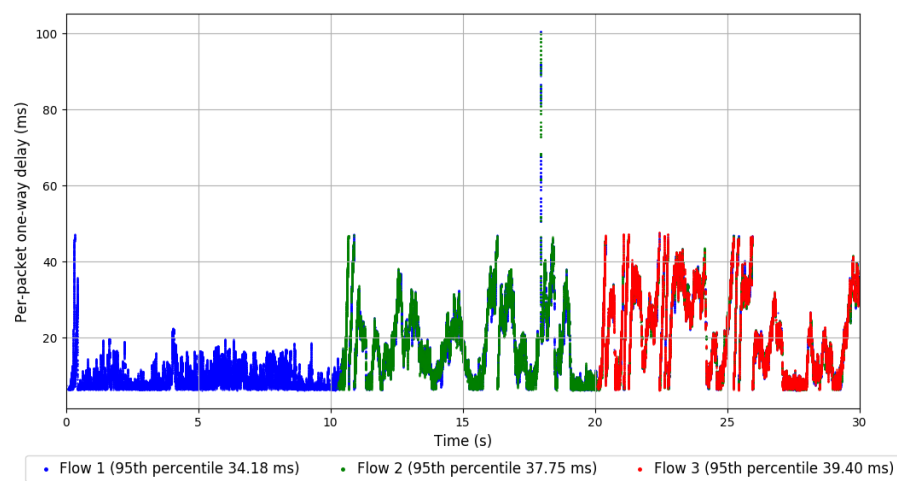
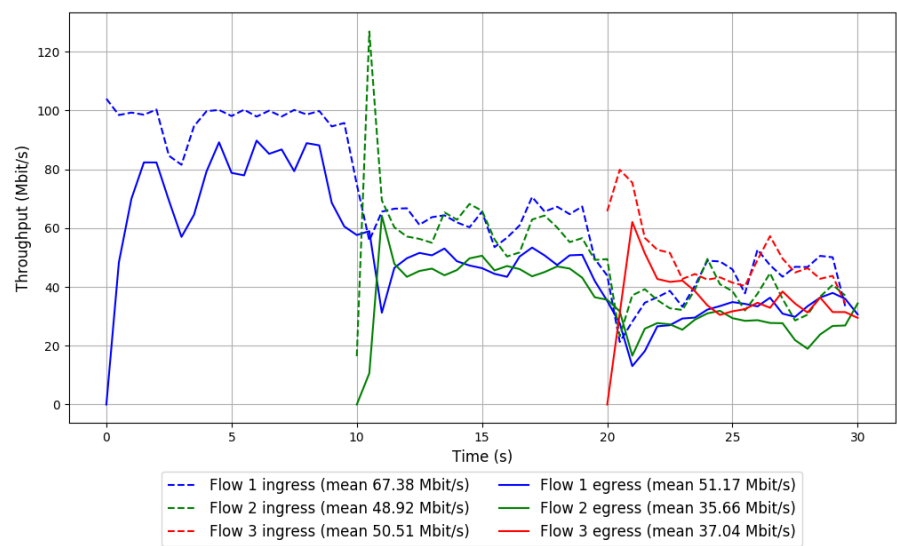
-- Flow 3:

Average throughput: 37.04 Mbit/s

95th percentile per-packet one-way delay: 39.400 ms

Loss rate: 26.51%

Run 6: Report of FillP-Sheep — Data Link

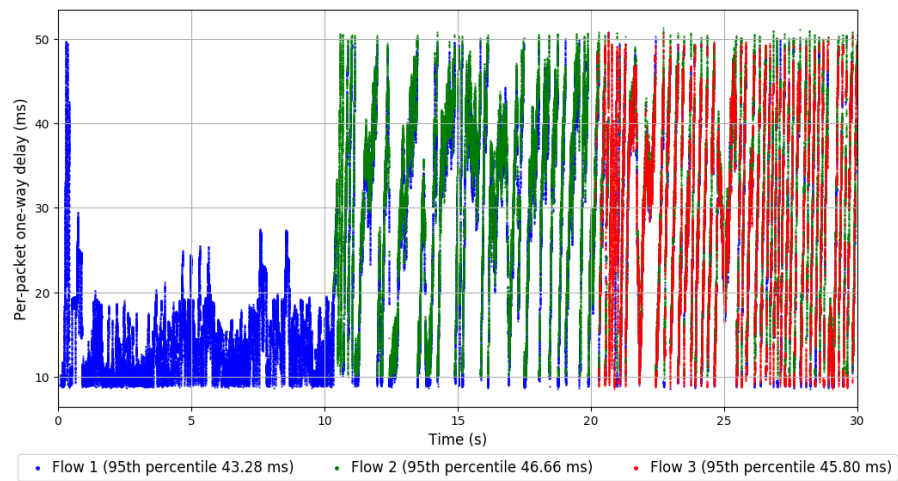
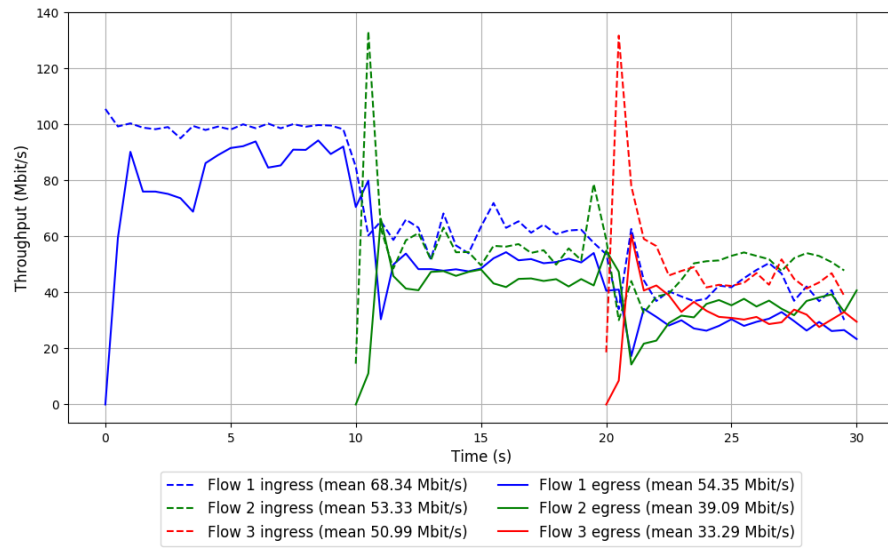


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-17 18:41:45
End at: 2018-07-17 18:42:15
Local clock offset: -7.979 ms
Remote clock offset: 14.975 ms

Below is generated by plot.py at 2018-07-17 20:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 45.116 ms
Loss rate: 24.22%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 43.281 ms
Loss rate: 20.40%
-- Flow 2:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 46.660 ms
Loss rate: 26.61%
-- Flow 3:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 45.799 ms
Loss rate: 34.66%

Run 7: Report of FillP-Sheep — Data Link

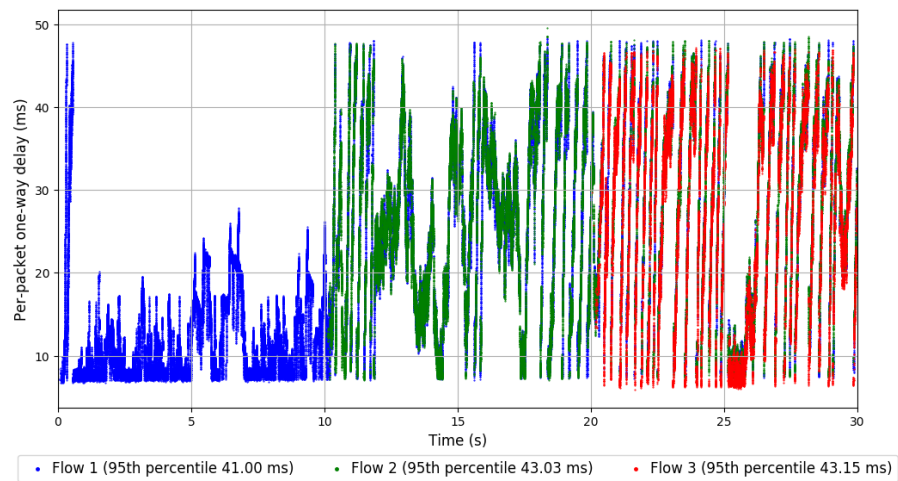
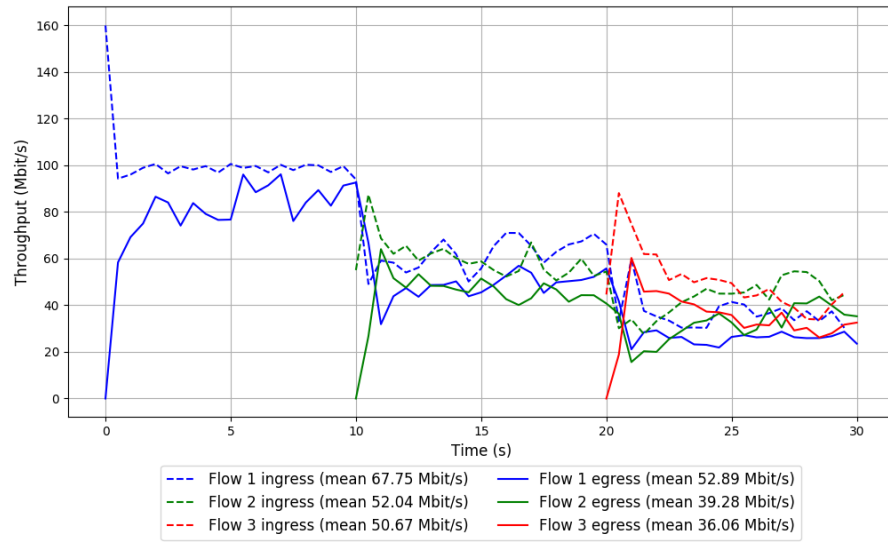


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-17 19:01:58
End at: 2018-07-17 19:02:28
Local clock offset: -6.742 ms
Remote clock offset: -4.887 ms

Below is generated by plot.py at 2018-07-17 20:08:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 42.172 ms
Loss rate: 23.59%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 41.000 ms
Loss rate: 21.86%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 43.031 ms
Loss rate: 24.44%
-- Flow 3:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 43.147 ms
Loss rate: 28.82%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-17 19:22:31

End at: 2018-07-17 19:23:01

Local clock offset: -8.26 ms

Remote clock offset: -16.603 ms

Below is generated by plot.py at 2018-07-17 20:08:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.98 Mbit/s

95th percentile per-packet one-way delay: 42.812 ms

Loss rate: 23.57%

-- Flow 1:

Average throughput: 51.80 Mbit/s

95th percentile per-packet one-way delay: 41.292 ms

Loss rate: 20.14%

-- Flow 2:

Average throughput: 41.03 Mbit/s

95th percentile per-packet one-way delay: 43.034 ms

Loss rate: 25.50%

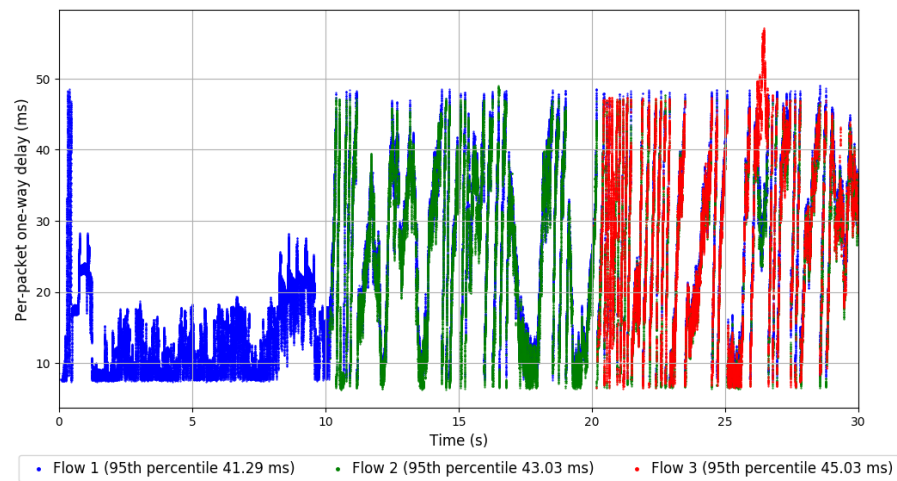
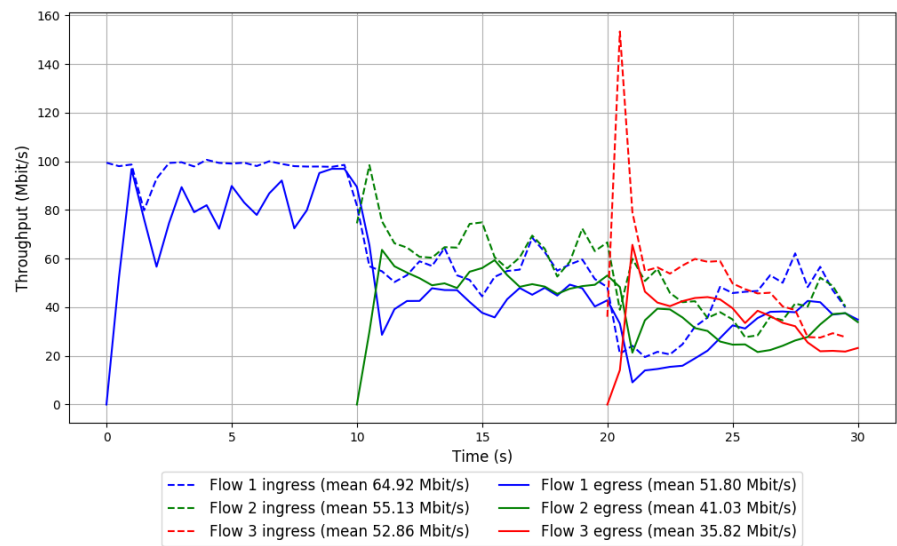
-- Flow 3:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 45.033 ms

Loss rate: 32.23%

Run 9: Report of FillP-Sheep — Data Link

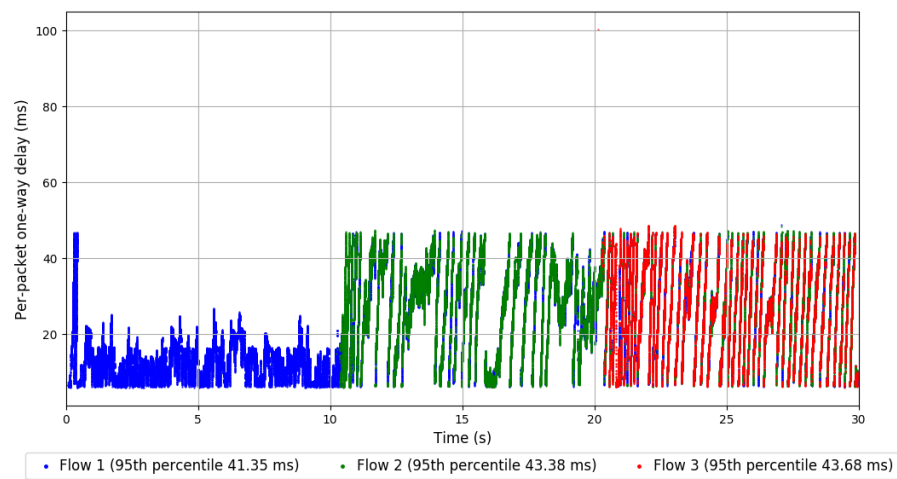
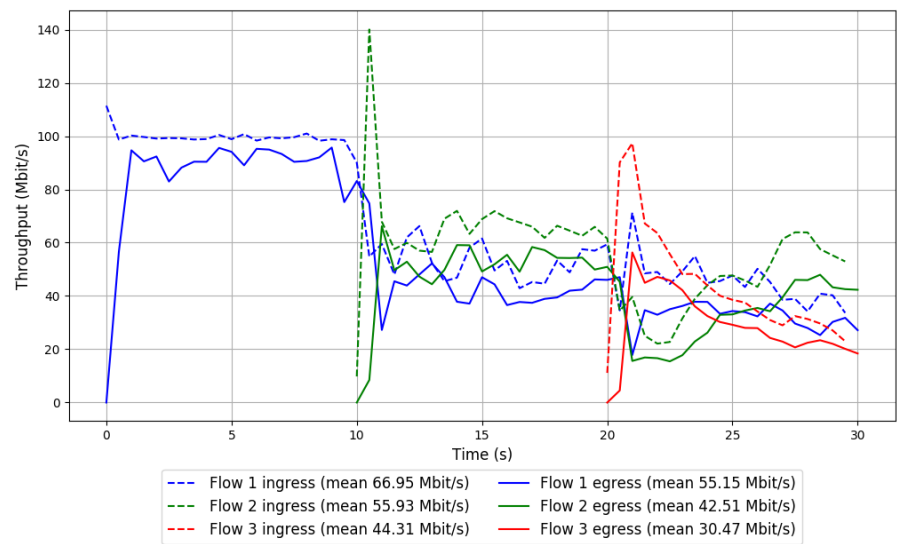


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-17 19:42:56
End at: 2018-07-17 19:43:26
Local clock offset: -3.355 ms
Remote clock offset: -19.186 ms

Below is generated by plot.py at 2018-07-17 20:08:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 42.481 ms
Loss rate: 21.61%
-- Flow 1:
Average throughput: 55.15 Mbit/s
95th percentile per-packet one-way delay: 41.346 ms
Loss rate: 17.61%
-- Flow 2:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 43.377 ms
Loss rate: 24.77%
-- Flow 3:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 43.684 ms
Loss rate: 31.86%

Run 10: Report of FillP-Sheep — Data Link

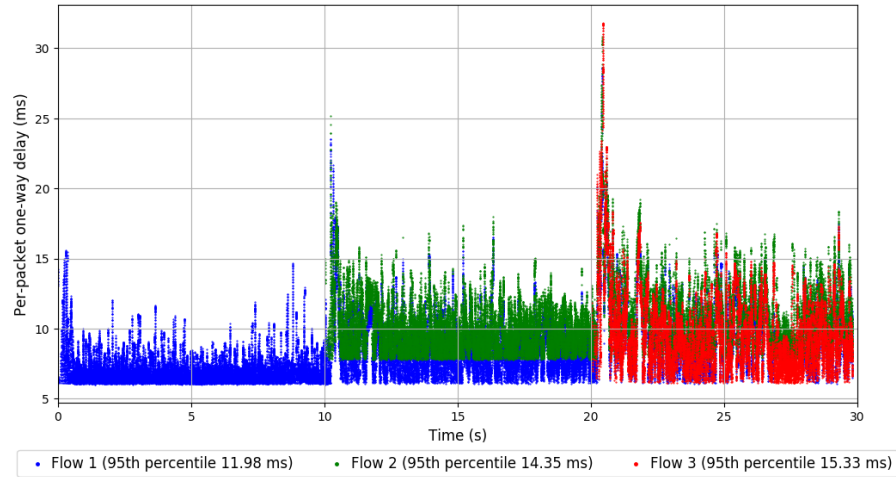
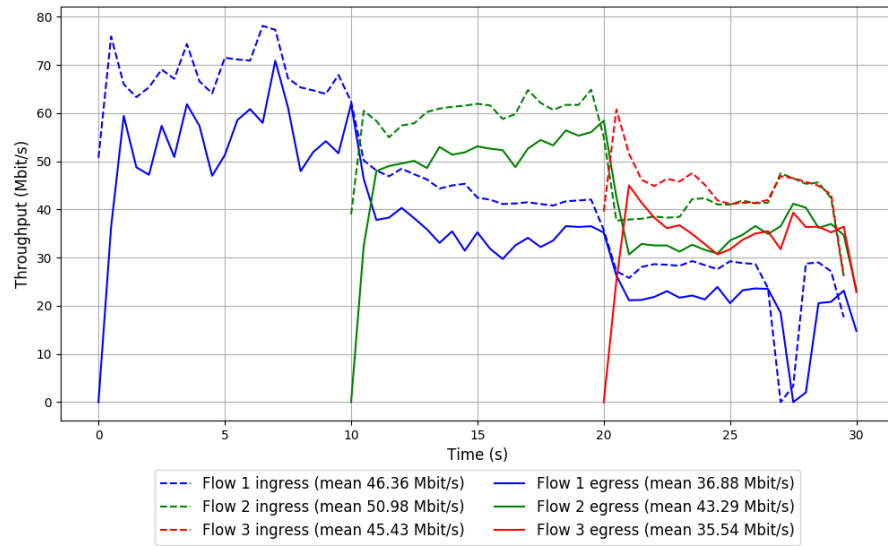


Run 1: Statistics of Indigo

Start at: 2018-07-17 16:39:59
End at: 2018-07-17 16:40:29
Local clock offset: 0.976 ms
Remote clock offset: -9.359 ms

Below is generated by plot.py at 2018-07-17 20:08:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 13.654 ms
Loss rate: 18.76%
-- Flow 1:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 11.985 ms
Loss rate: 20.48%
-- Flow 2:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 14.345 ms
Loss rate: 15.09%
-- Flow 3:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 15.328 ms
Loss rate: 21.78%

Run 1: Report of Indigo — Data Link

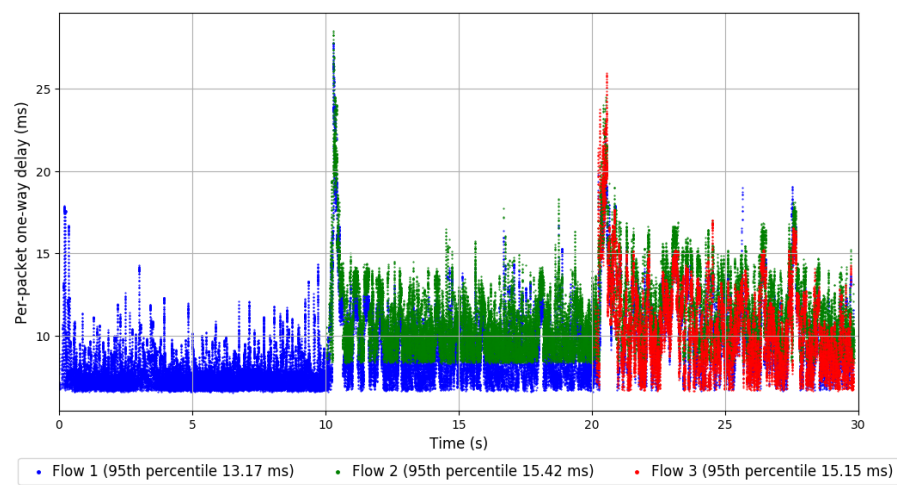
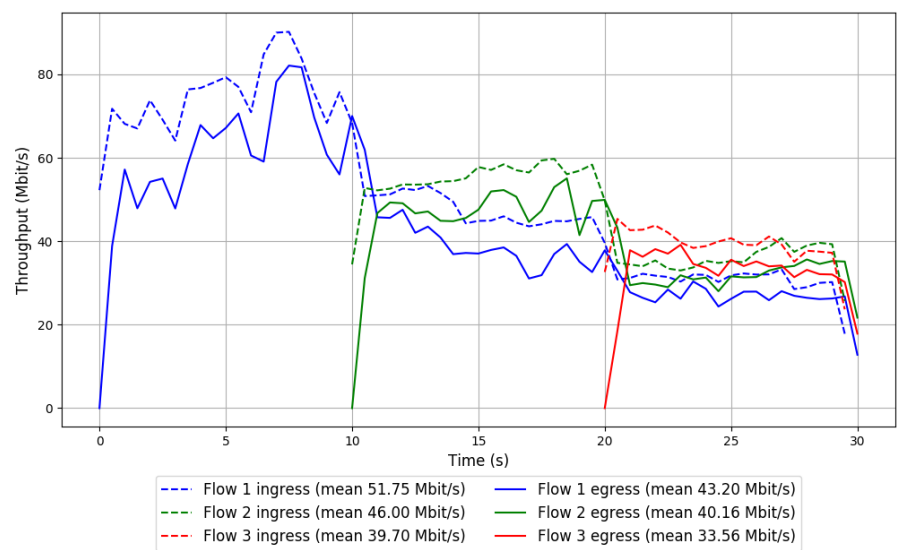


Run 2: Statistics of Indigo

Start at: 2018-07-17 17:00:19
End at: 2018-07-17 17:00:49
Local clock offset: 0.438 ms
Remote clock offset: -10.366 ms

Below is generated by plot.py at 2018-07-17 20:08:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.85 Mbit/s
95th percentile per-packet one-way delay: 14.480 ms
Loss rate: 15.15%
-- Flow 1:
Average throughput: 43.20 Mbit/s
95th percentile per-packet one-way delay: 13.167 ms
Loss rate: 16.51%
-- Flow 2:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 15.424 ms
Loss rate: 12.69%
-- Flow 3:
Average throughput: 33.56 Mbit/s
95th percentile per-packet one-way delay: 15.153 ms
Loss rate: 15.48%

Run 2: Report of Indigo — Data Link

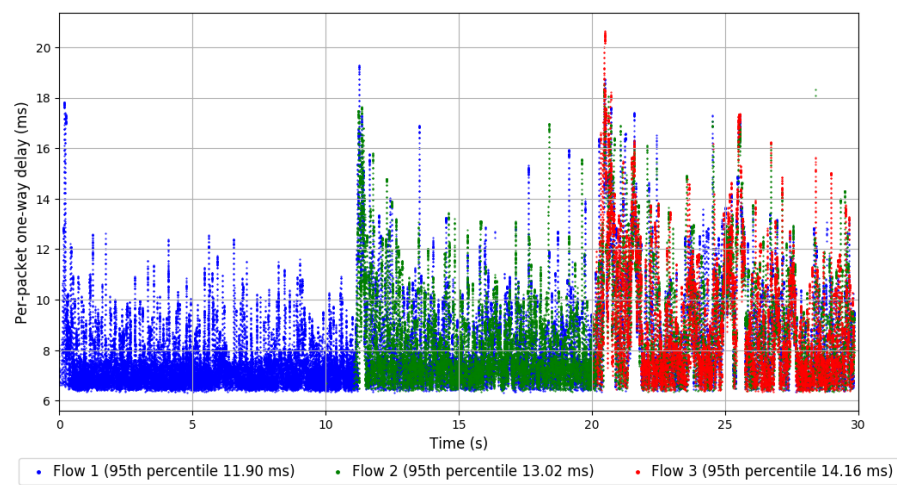
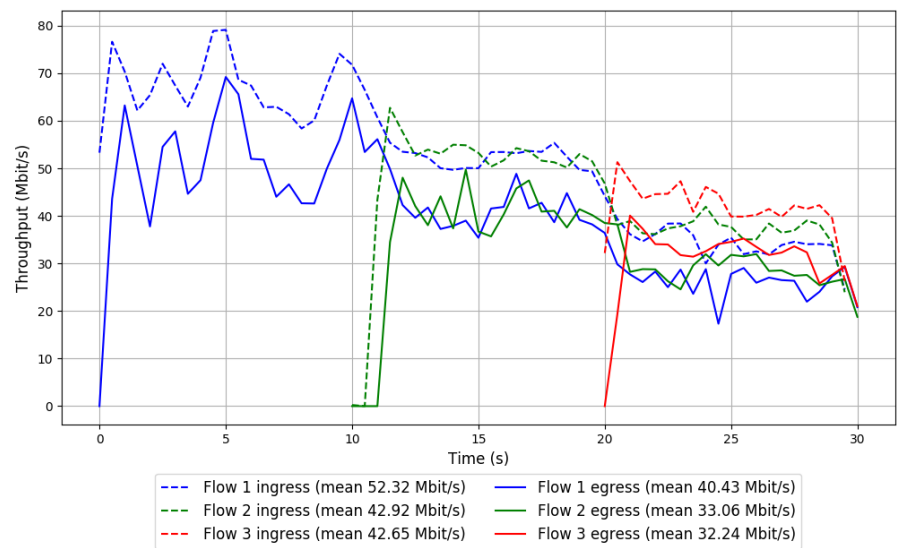


Run 3: Statistics of Indigo

Start at: 2018-07-17 17:20:47
End at: 2018-07-17 17:21:17
Local clock offset: 1.164 ms
Remote clock offset: -6.328 ms

Below is generated by plot.py at 2018-07-17 20:09:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.97 Mbit/s
95th percentile per-packet one-way delay: 12.788 ms
Loss rate: 23.04%
-- Flow 1:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 11.899 ms
Loss rate: 22.72%
-- Flow 2:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 13.024 ms
Loss rate: 22.95%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 14.161 ms
Loss rate: 24.38%

Run 3: Report of Indigo — Data Link

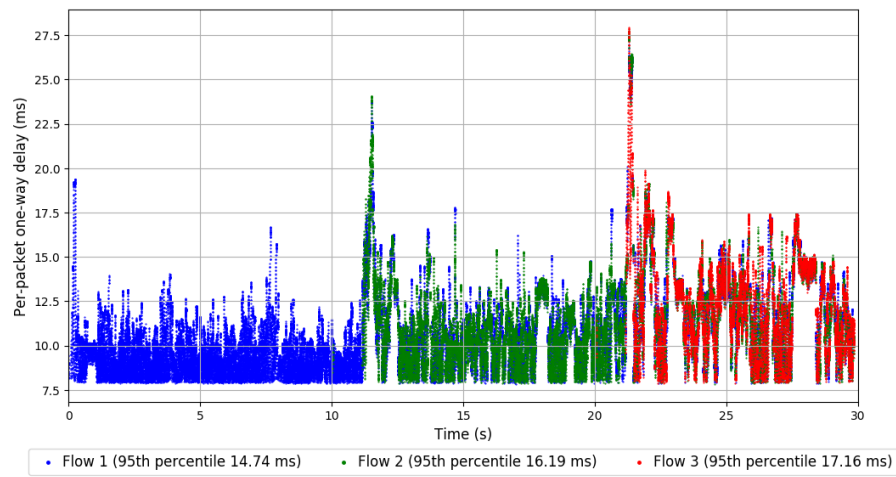
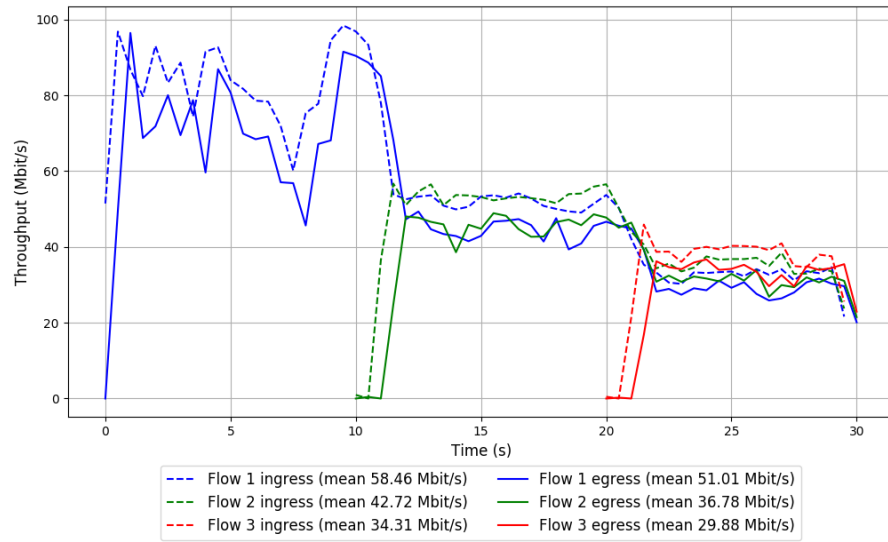


Run 4: Statistics of Indigo

Start at: 2018-07-17 17:40:47
End at: 2018-07-17 17:41:17
Local clock offset: 1.887 ms
Remote clock offset: -3.062 ms

```
# Below is generated by plot.py at 2018-07-17 20:09:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 15.723 ms
Loss rate: 13.09%
-- Flow 1:
Average throughput: 51.01 Mbit/s
95th percentile per-packet one-way delay: 14.737 ms
Loss rate: 12.74%
-- Flow 2:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 16.194 ms
Loss rate: 13.90%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 17.163 ms
Loss rate: 12.90%
```

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-17 18:00:30

End at: 2018-07-17 18:01:00

Local clock offset: -0.795 ms

Remote clock offset: 5.65 ms

Below is generated by plot.py at 2018-07-17 20:09:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.57 Mbit/s

95th percentile per-packet one-way delay: 15.023 ms

Loss rate: 15.42%

-- Flow 1:

Average throughput: 47.94 Mbit/s

95th percentile per-packet one-way delay: 14.439 ms

Loss rate: 14.14%

-- Flow 2:

Average throughput: 37.06 Mbit/s

95th percentile per-packet one-way delay: 15.010 ms

Loss rate: 17.18%

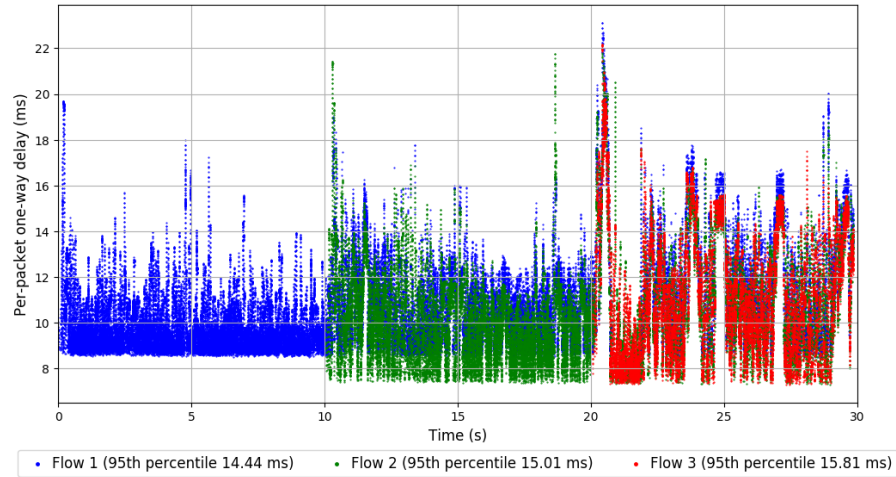
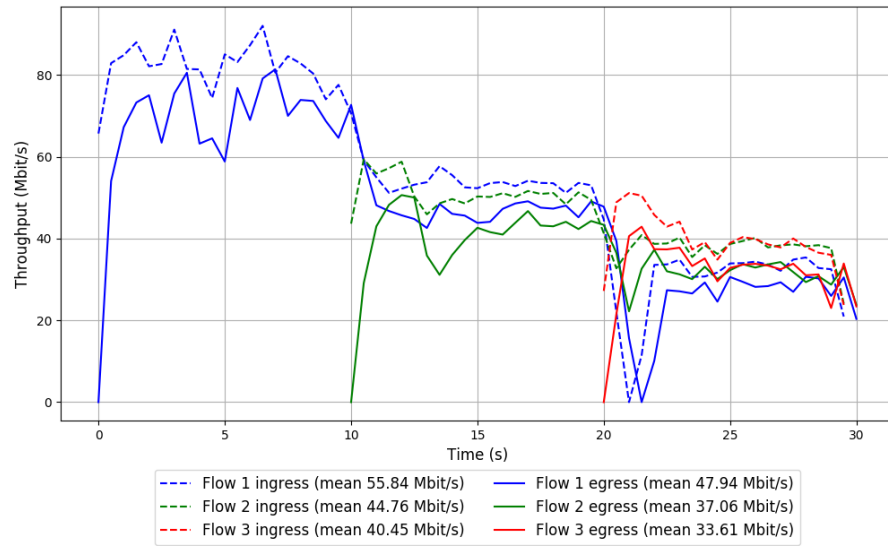
-- Flow 3:

Average throughput: 33.61 Mbit/s

95th percentile per-packet one-way delay: 15.812 ms

Loss rate: 16.88%

Run 5: Report of Indigo — Data Link

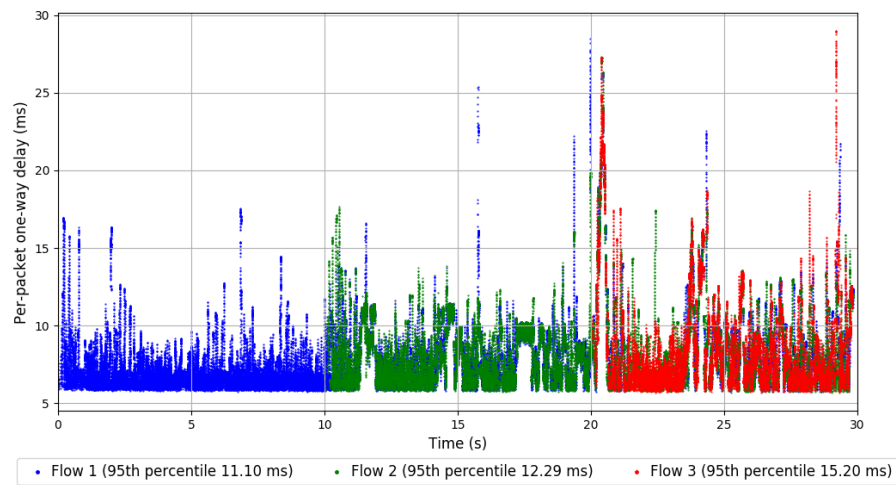
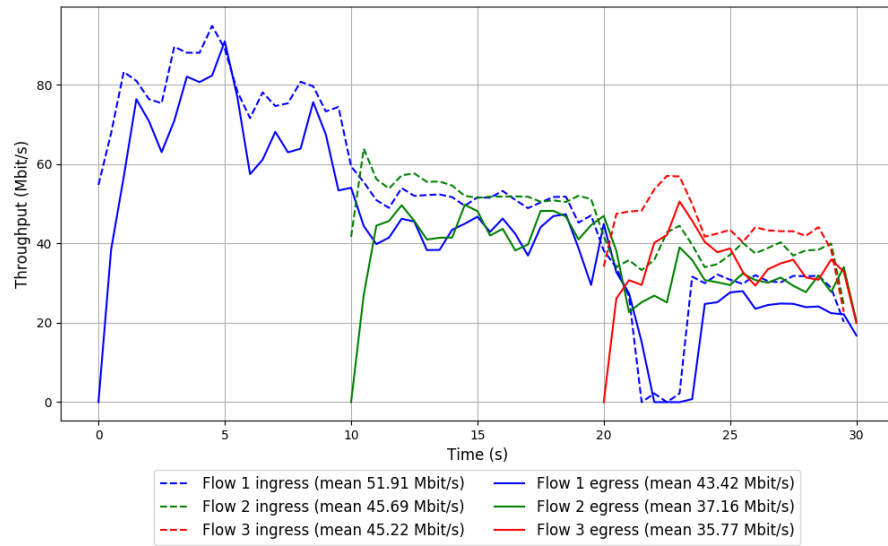


Run 6: Statistics of Indigo

Start at: 2018-07-17 18:20:24
End at: 2018-07-17 18:20:54
Local clock offset: 1.143 ms
Remote clock offset: 10.914 ms

Below is generated by plot.py at 2018-07-17 20:09:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 12.267 ms
Loss rate: 17.76%
-- Flow 1:
Average throughput: 43.42 Mbit/s
95th percentile per-packet one-way delay: 11.101 ms
Loss rate: 16.34%
-- Flow 2:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 12.287 ms
Loss rate: 18.66%
-- Flow 3:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 15.200 ms
Loss rate: 20.88%

Run 6: Report of Indigo — Data Link

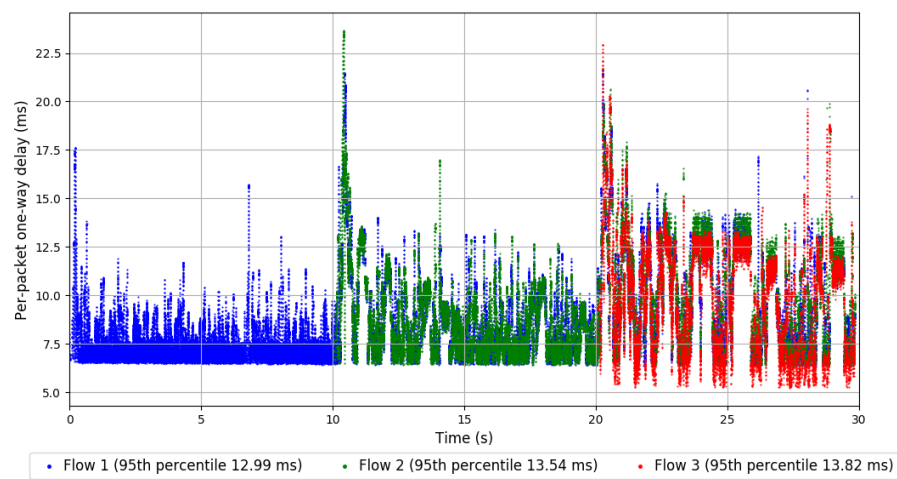
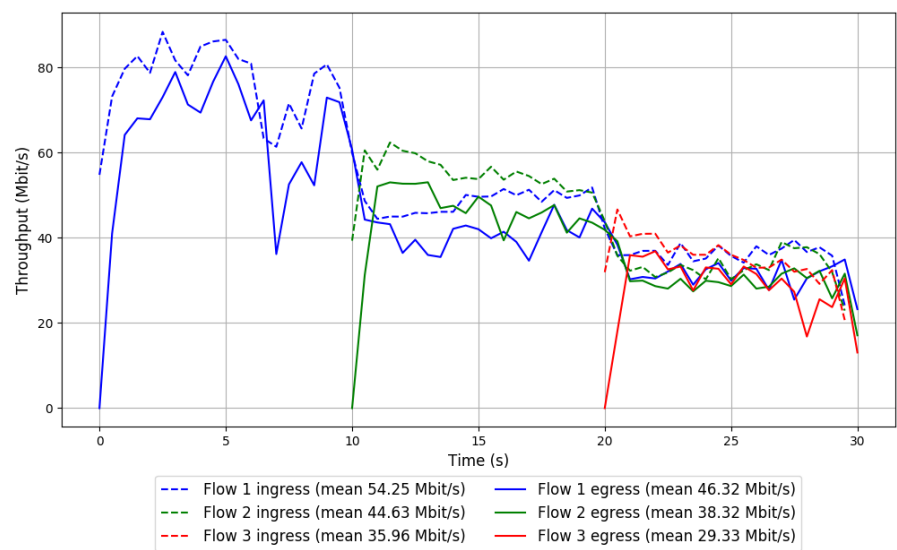


Run 7: Statistics of Indigo

Start at: 2018-07-17 18:40:33
End at: 2018-07-17 18:41:03
Local clock offset: -3.998 ms
Remote clock offset: 14.926 ms

Below is generated by plot.py at 2018-07-17 20:09:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 13.172 ms
Loss rate: 14.94%
-- Flow 1:
Average throughput: 46.32 Mbit/s
95th percentile per-packet one-way delay: 12.987 ms
Loss rate: 14.61%
-- Flow 2:
Average throughput: 38.32 Mbit/s
95th percentile per-packet one-way delay: 13.545 ms
Loss rate: 14.13%
-- Flow 3:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 13.820 ms
Loss rate: 18.45%

Run 7: Report of Indigo — Data Link

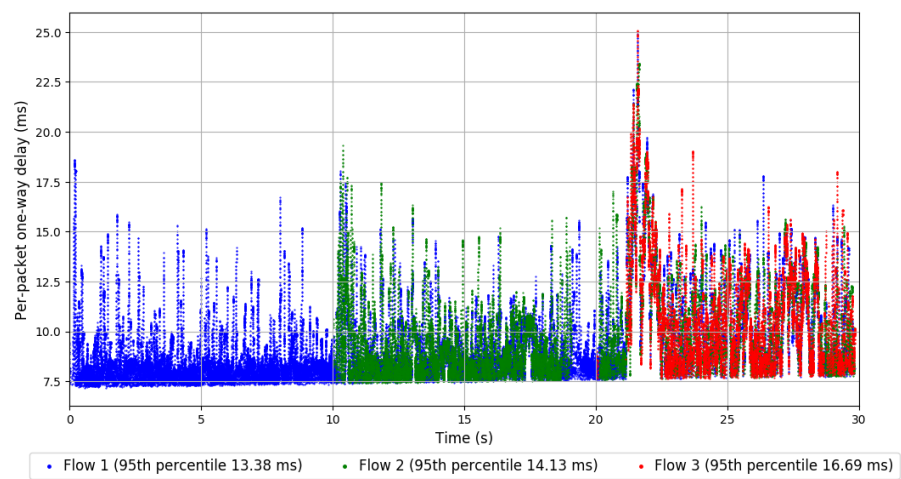
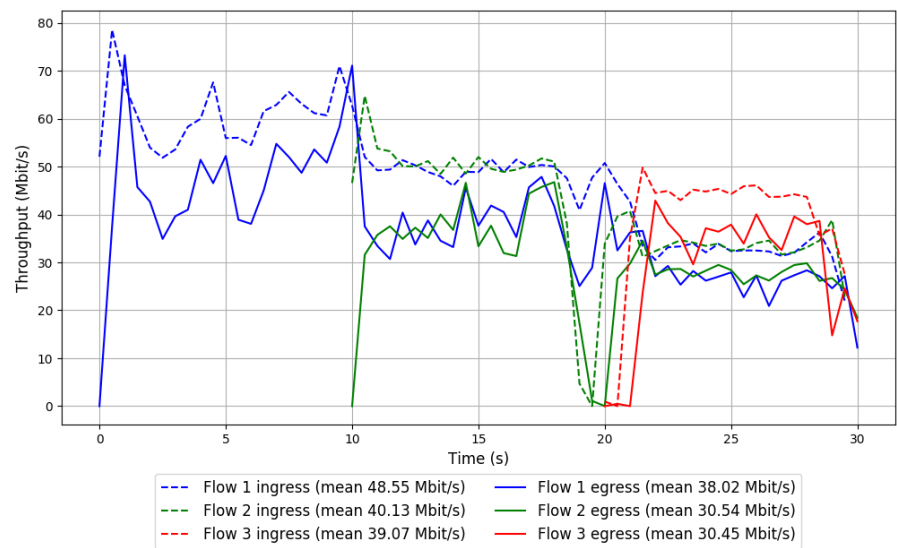


Run 8: Statistics of Indigo

Start at: 2018-07-17 19:00:45
End at: 2018-07-17 19:01:15
Local clock offset: -6.037 ms
Remote clock offset: -2.556 ms

Below is generated by plot.py at 2018-07-17 20:09:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.29 Mbit/s
95th percentile per-packet one-way delay: 14.251 ms
Loss rate: 22.41%
-- Flow 1:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 13.384 ms
Loss rate: 21.69%
-- Flow 2:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 14.135 ms
Loss rate: 23.89%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 16.694 ms
Loss rate: 22.04%

Run 8: Report of Indigo — Data Link

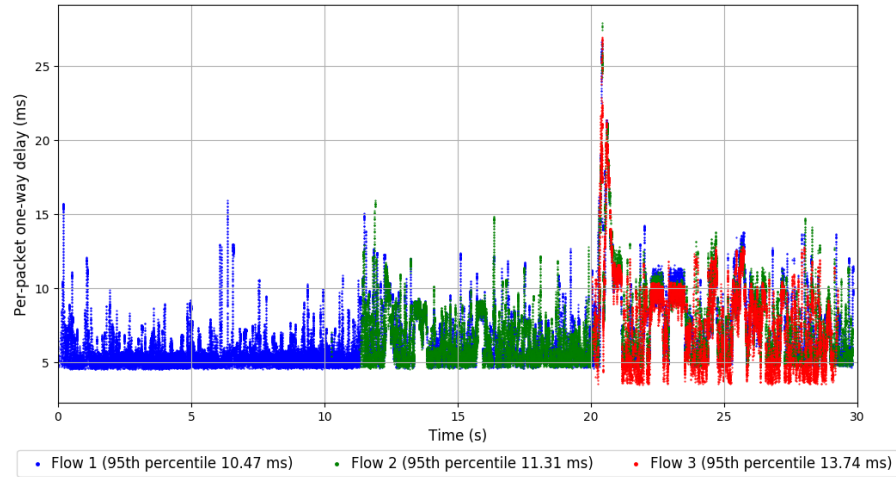
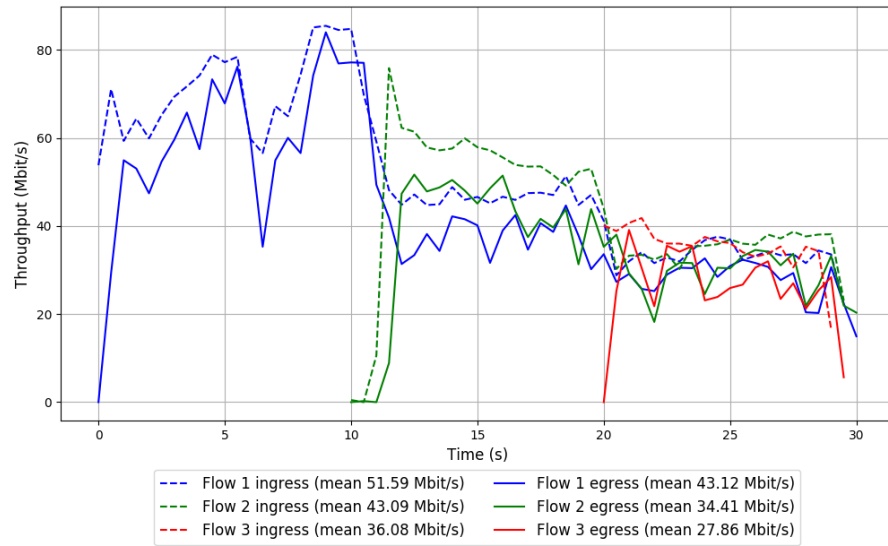


Run 9: Statistics of Indigo

Start at: 2018-07-17 19:21:04
End at: 2018-07-17 19:21:34
Local clock offset: -5.096 ms
Remote clock offset: -16.12 ms

Below is generated by plot.py at 2018-07-17 20:09:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.30 Mbit/s
95th percentile per-packet one-way delay: 11.202 ms
Loss rate: 18.38%
-- Flow 1:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 10.473 ms
Loss rate: 16.41%
-- Flow 2:
Average throughput: 34.41 Mbit/s
95th percentile per-packet one-way delay: 11.313 ms
Loss rate: 20.14%
-- Flow 3:
Average throughput: 27.86 Mbit/s
95th percentile per-packet one-way delay: 13.743 ms
Loss rate: 23.05%

Run 9: Report of Indigo — Data Link

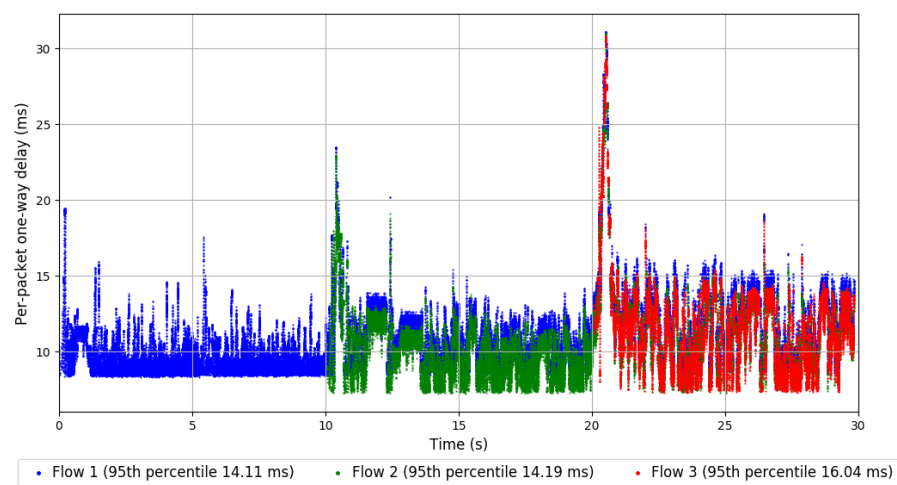
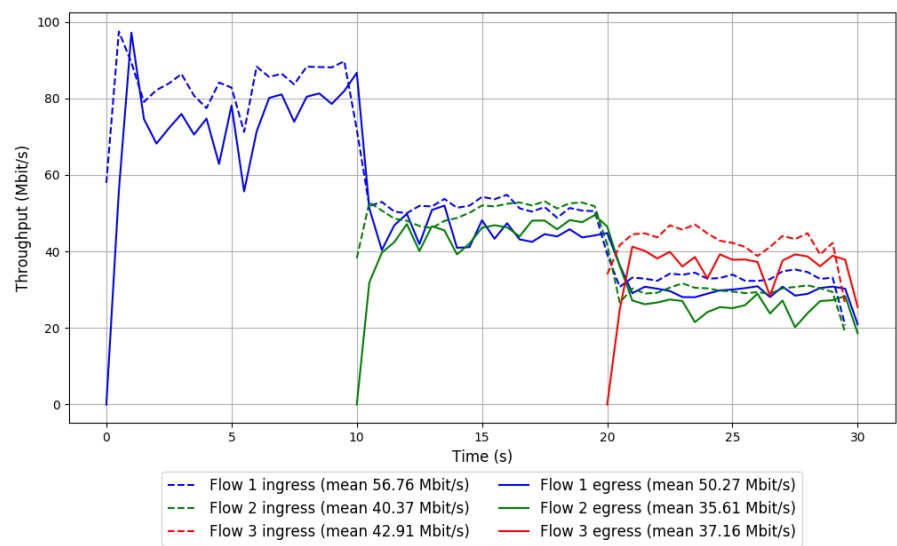


Run 10: Statistics of Indigo

Start at: 2018-07-17 19:41:36
End at: 2018-07-17 19:42:06
Local clock offset: -4.849 ms
Remote clock offset: -19.162 ms

Below is generated by plot.py at 2018-07-17 20:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 14.335 ms
Loss rate: 11.80%
-- Flow 1:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 14.114 ms
Loss rate: 11.42%
-- Flow 2:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 14.192 ms
Loss rate: 11.77%
-- Flow 3:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 16.040 ms
Loss rate: 13.40%

Run 10: Report of Indigo — Data Link

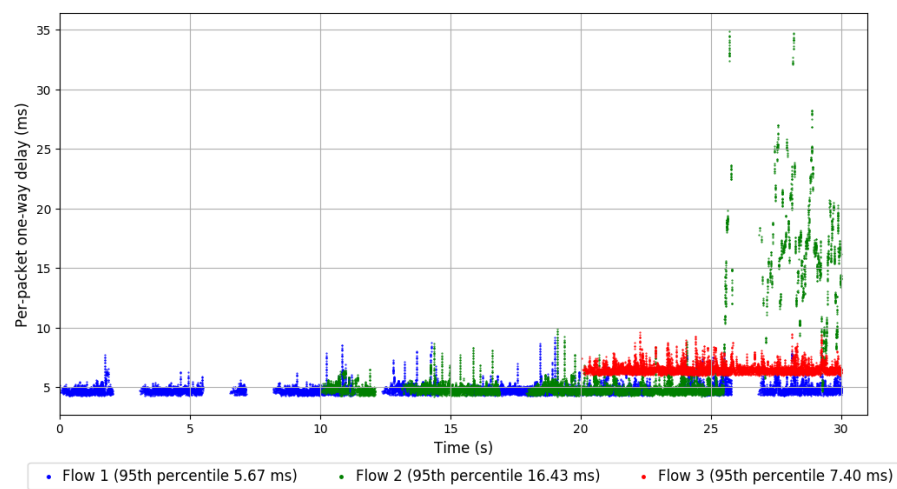
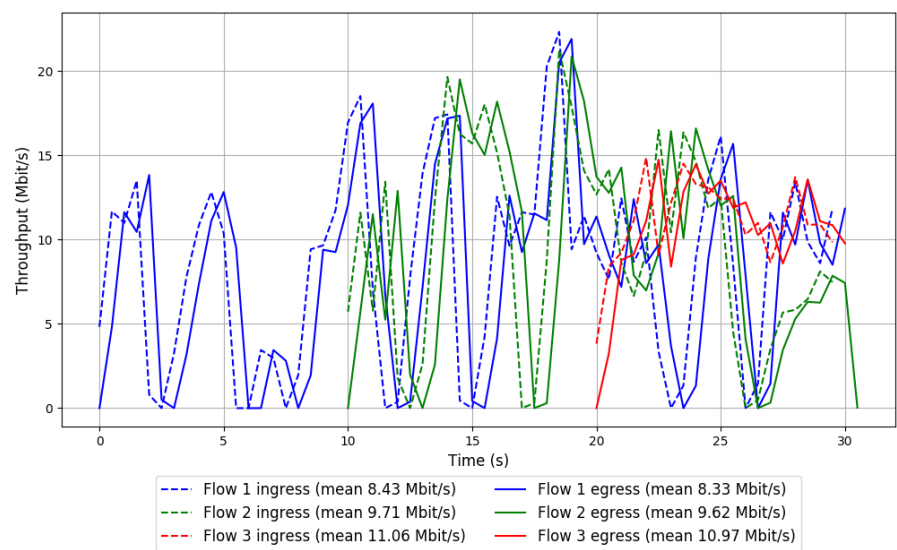


Run 1: Statistics of LEDBAT

Start at: 2018-07-17 16:43:41
End at: 2018-07-17 16:44:11
Local clock offset: 1.456 ms
Remote clock offset: -10.931 ms

Below is generated by plot.py at 2018-07-17 20:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 7.395 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 5.675 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 16.435 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 7.398 ms
Loss rate: 0.82%

Run 1: Report of LEDBAT — Data Link

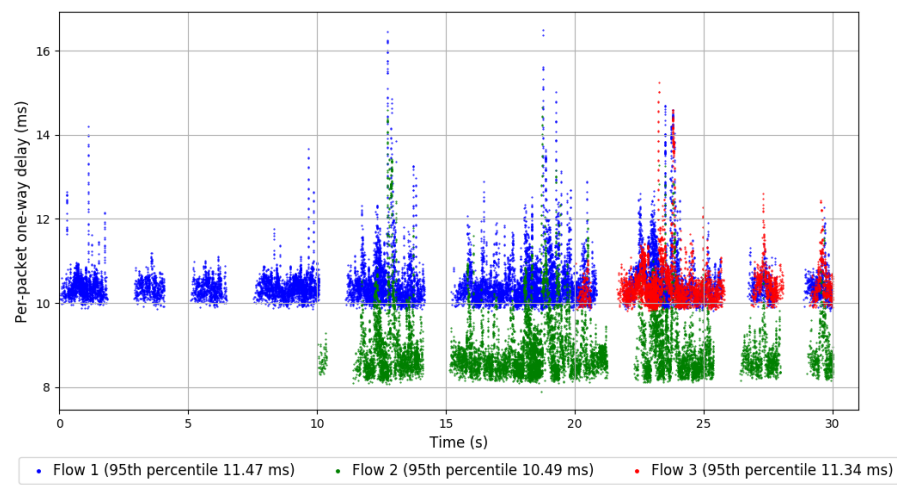
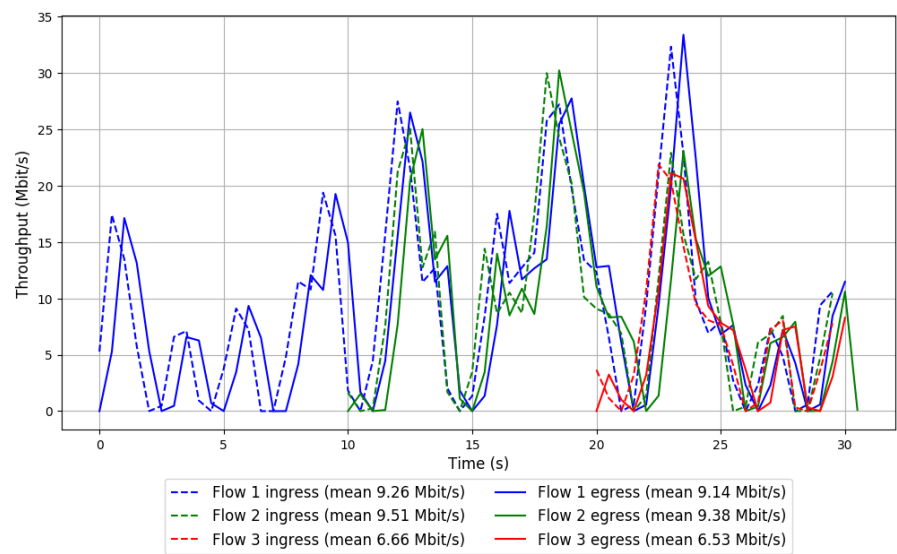


Run 2: Statistics of LEDBAT

Start at: 2018-07-17 17:03:56
End at: 2018-07-17 17:04:26
Local clock offset: -7.814 ms
Remote clock offset: -17.311 ms

Below is generated by plot.py at 2018-07-17 20:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 11.254 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 11.466 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 10.489 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 11.339 ms
Loss rate: 1.93%

Run 2: Report of LEDBAT — Data Link

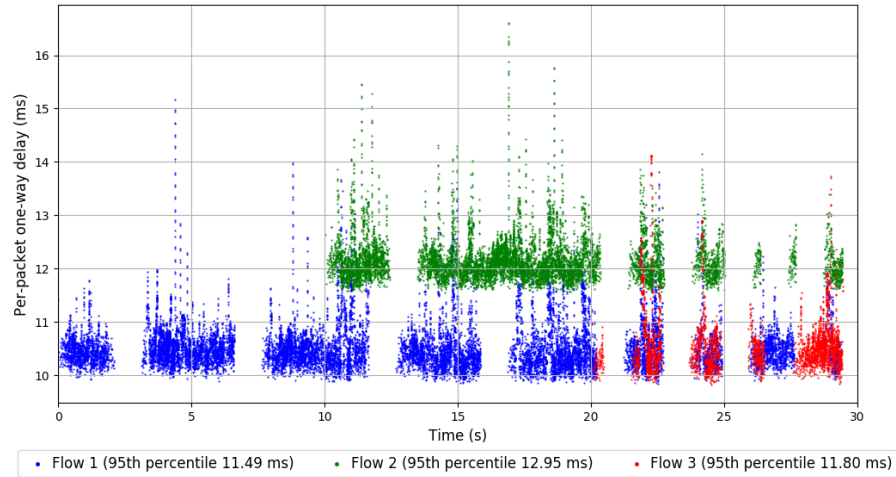
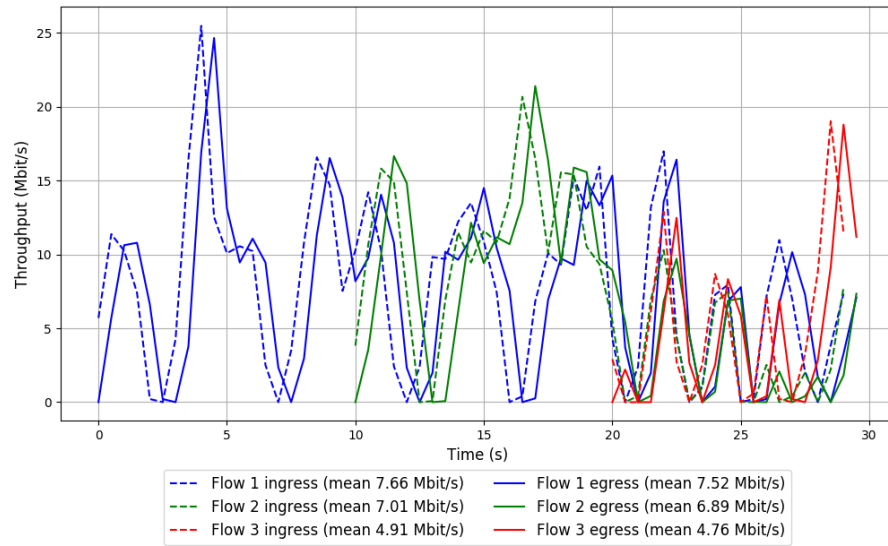


Run 3: Statistics of LEDBAT

Start at: 2018-07-17 17:24:27
End at: 2018-07-17 17:24:57
Local clock offset: -1.559 ms
Remote clock offset: -5.031 ms

Below is generated by plot.py at 2018-07-17 20:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 12.506 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 11.491 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 12.954 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 11.797 ms
Loss rate: 3.02%

Run 3: Report of LEDBAT — Data Link

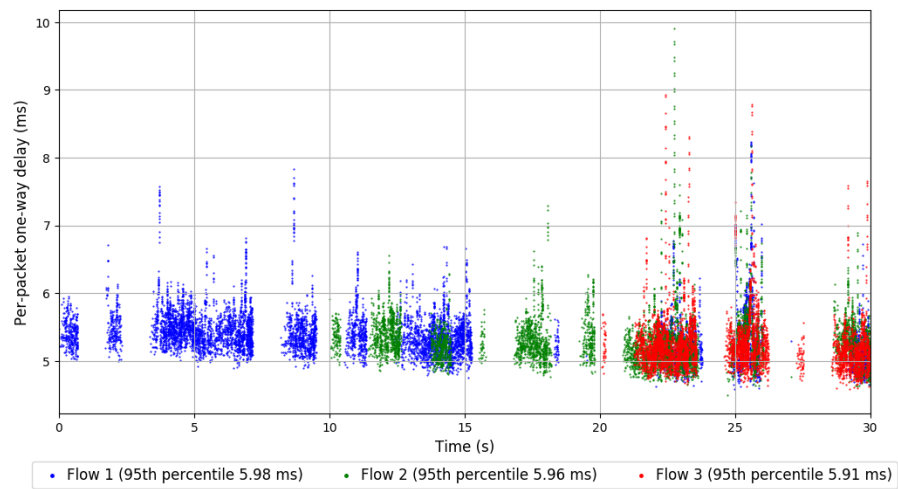
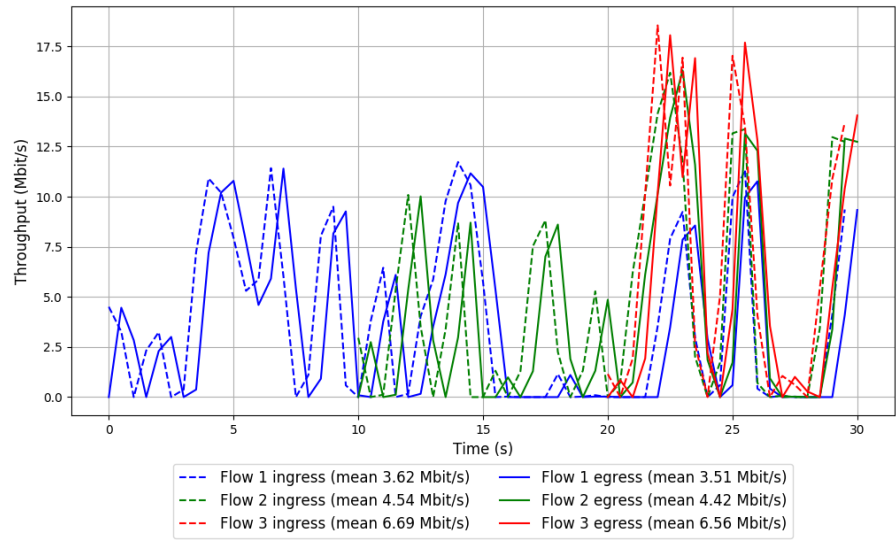


Run 4: Statistics of LEDBAT

Start at: 2018-07-17 17:44:35
End at: 2018-07-17 17:45:05
Local clock offset: 1.9 ms
Remote clock offset: -1.914 ms

Below is generated by plot.py at 2018-07-17 20:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 5.963 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 5.984 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 5.962 ms
Loss rate: 2.64%
-- Flow 3:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 5.909 ms
Loss rate: 1.95%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-17 18:04:02

End at: 2018-07-17 18:04:32

Local clock offset: 1.192 ms

Remote clock offset: 7.308 ms

Below is generated by plot.py at 2018-07-17 20:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.08 Mbit/s

95th percentile per-packet one-way delay: 8.097 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 13.97 Mbit/s

95th percentile per-packet one-way delay: 8.197 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 8.75 Mbit/s

95th percentile per-packet one-way delay: 7.582 ms

Loss rate: 1.69%

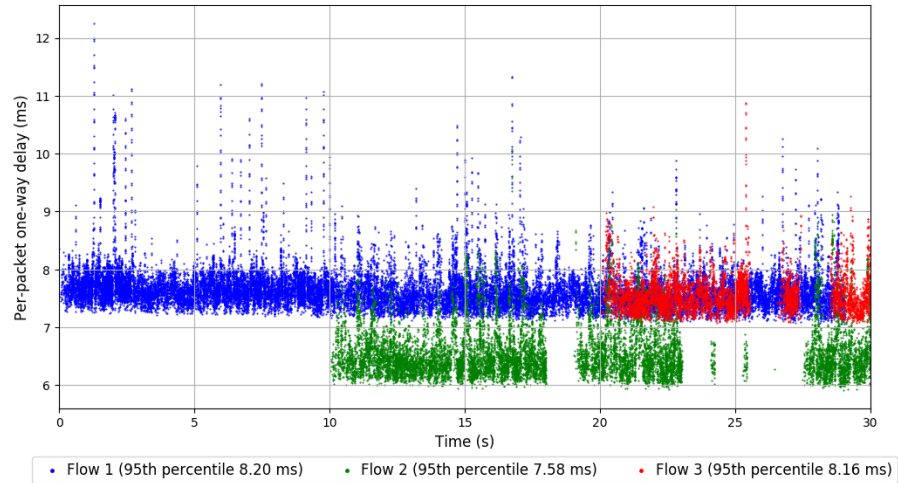
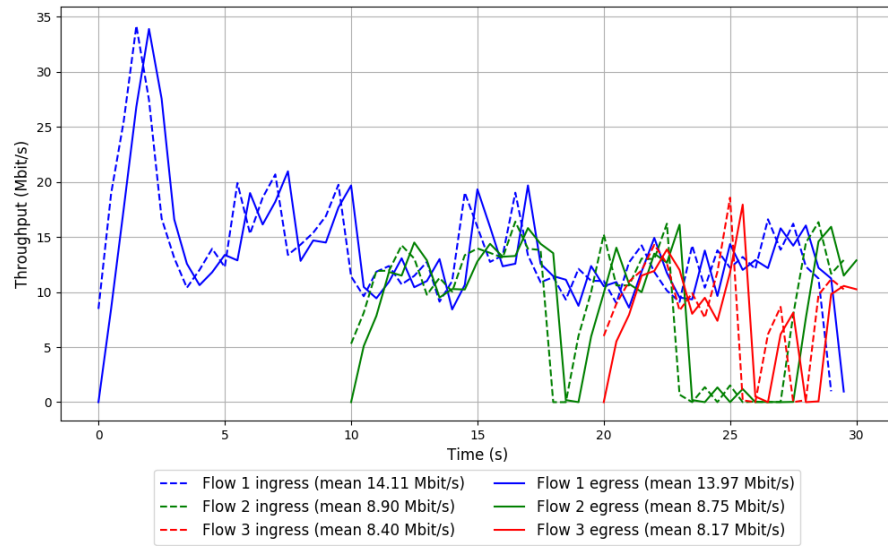
-- Flow 3:

Average throughput: 8.17 Mbit/s

95th percentile per-packet one-way delay: 8.162 ms

Loss rate: 2.73%

Run 5: Report of LEDBAT — Data Link

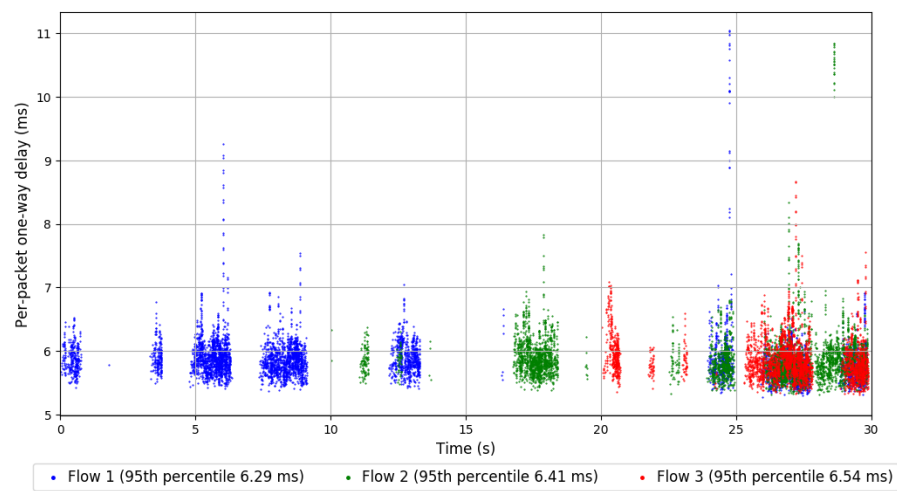
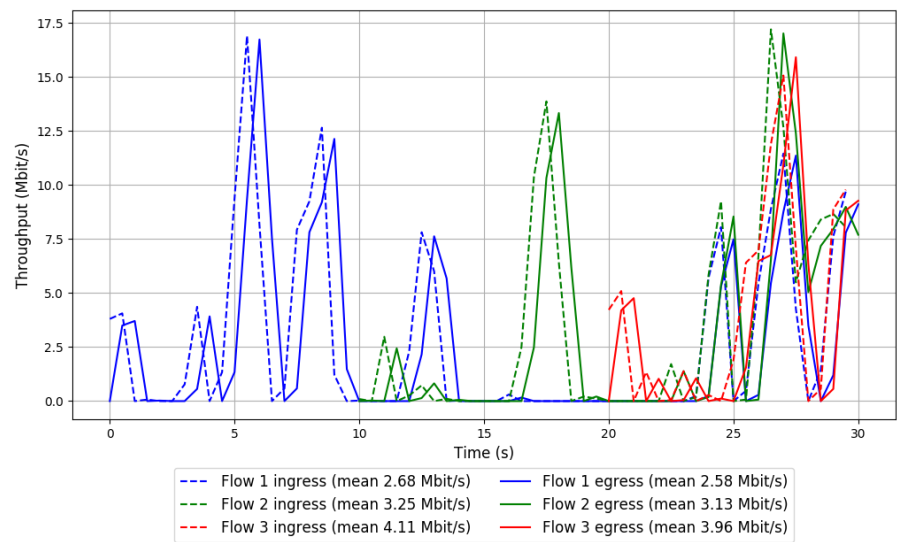


Run 6: Statistics of LEDBAT

Start at: 2018-07-17 18:23:57
End at: 2018-07-17 18:24:27
Local clock offset: 1.11 ms
Remote clock offset: 11.282 ms

```
# Below is generated by plot.py at 2018-07-17 20:09:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.96 Mbit/s
95th percentile per-packet one-way delay: 6.397 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 6.295 ms
Loss rate: 3.90%
-- Flow 2:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 6.406 ms
Loss rate: 3.81%
-- Flow 3:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 6.535 ms
Loss rate: 3.77%
```

Run 6: Report of LEDBAT — Data Link

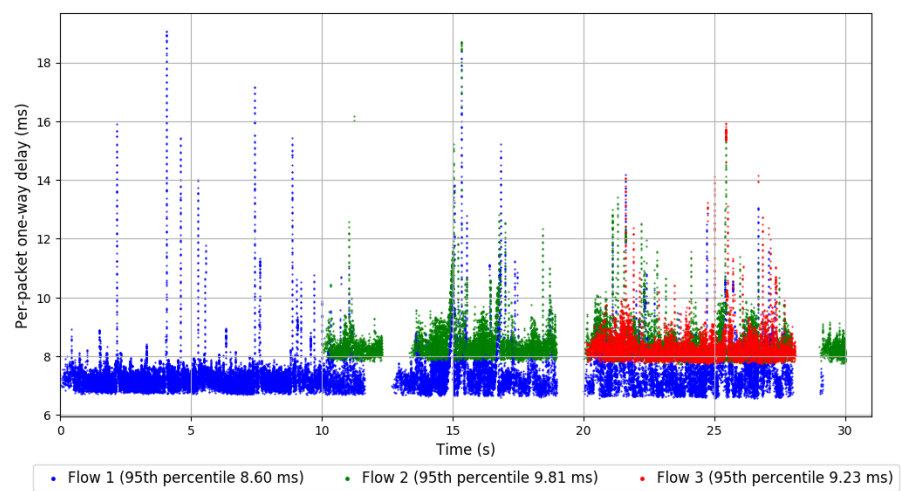
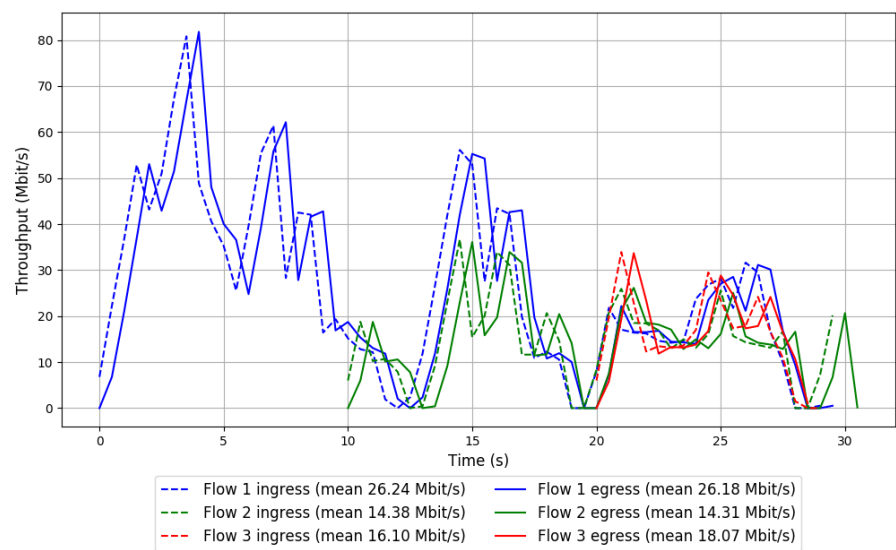


Run 7: Statistics of LEDBAT

Start at: 2018-07-17 18:44:05
End at: 2018-07-17 18:44:35
Local clock offset: -6.683 ms
Remote clock offset: 14.923 ms

Below is generated by plot.py at 2018-07-17 20:10:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 9.150 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 26.18 Mbit/s
95th percentile per-packet one-way delay: 8.603 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 9.806 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 18.07 Mbit/s
95th percentile per-packet one-way delay: 9.234 ms
Loss rate: 0.43%

Run 7: Report of LEDBAT — Data Link

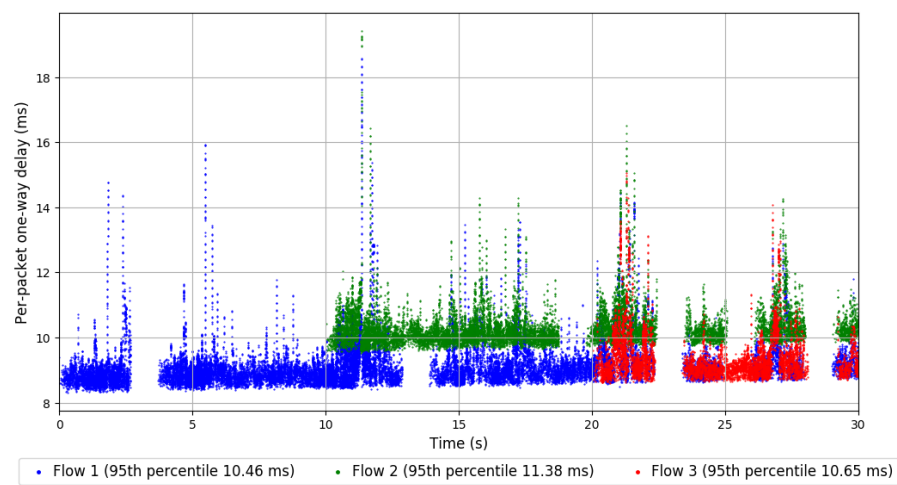
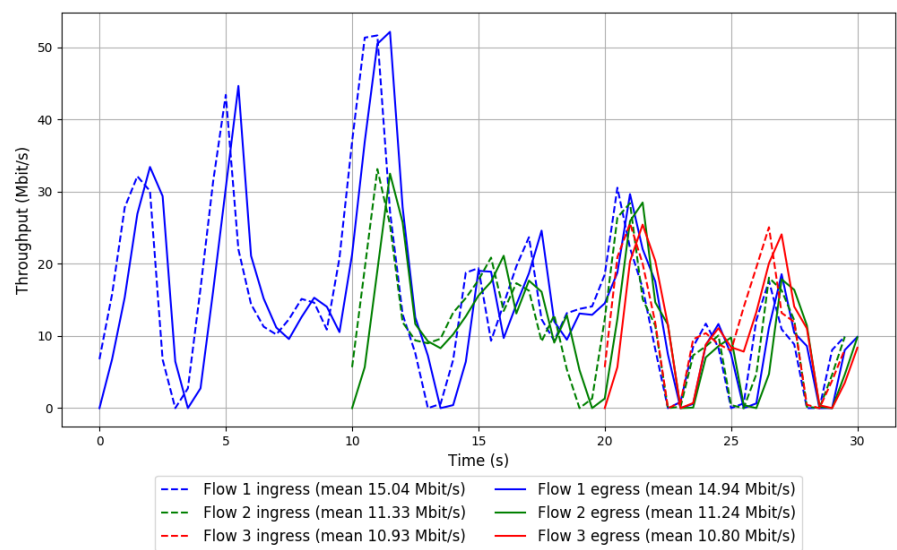


Run 8: Statistics of LEDBAT

Start at: 2018-07-17 19:04:20
End at: 2018-07-17 19:04:50
Local clock offset: -8.819 ms
Remote clock offset: -6.812 ms

```
# Below is generated by plot.py at 2018-07-17 20:10:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 10.923 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 10.461 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 11.383 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 10.647 ms
Loss rate: 1.20%
```


Run 8: Report of LEDBAT — Data Link

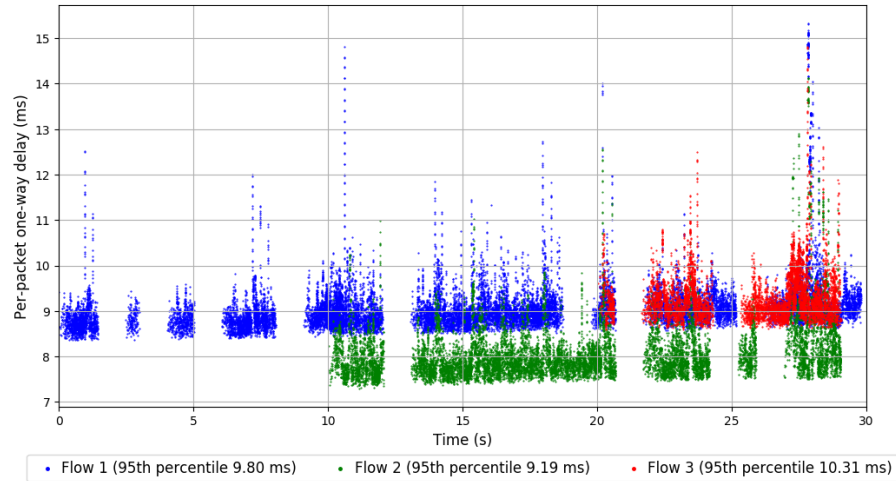
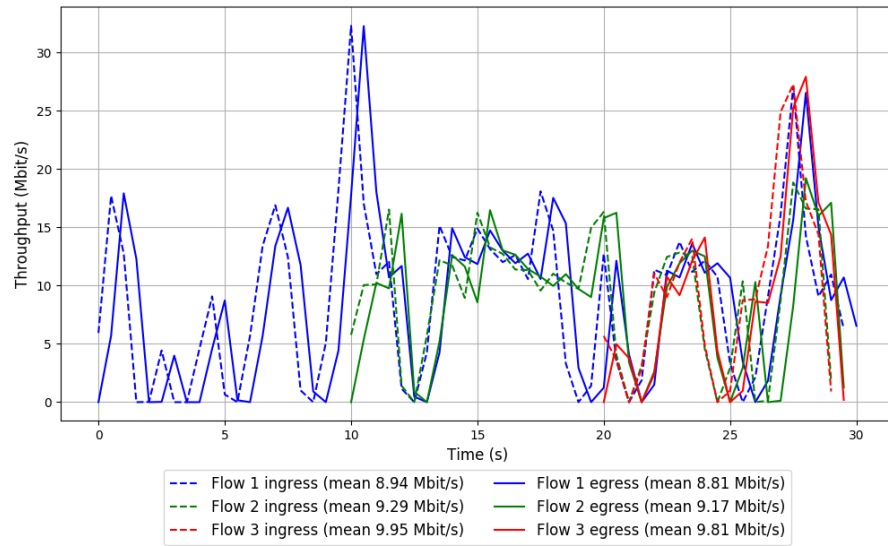


Run 9: Statistics of LEDBAT

Start at: 2018-07-17 19:24:59
End at: 2018-07-17 19:25:29
Local clock offset: -8.709 ms
Remote clock offset: -16.96 ms

Below is generated by plot.py at 2018-07-17 20:10:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.64 Mbit/s
95th percentile per-packet one-way delay: 9.862 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 9.802 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 9.192 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 10.310 ms
Loss rate: 1.37%

Run 9: Report of LEDBAT — Data Link

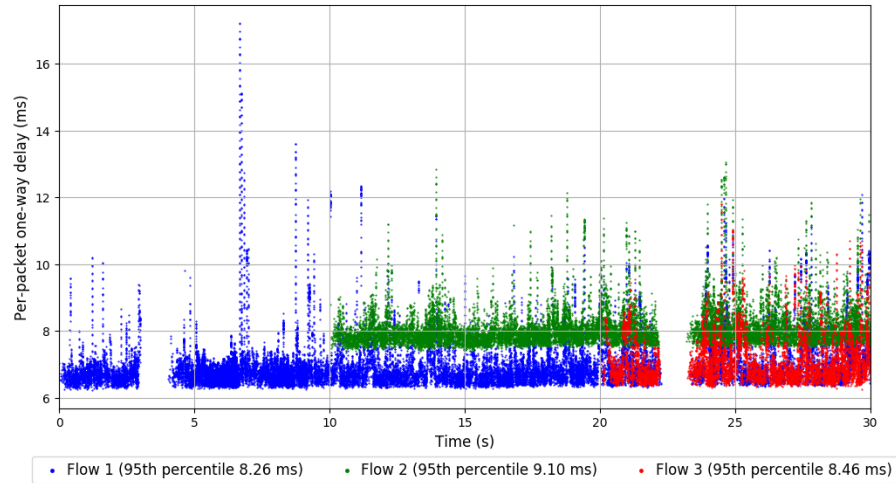
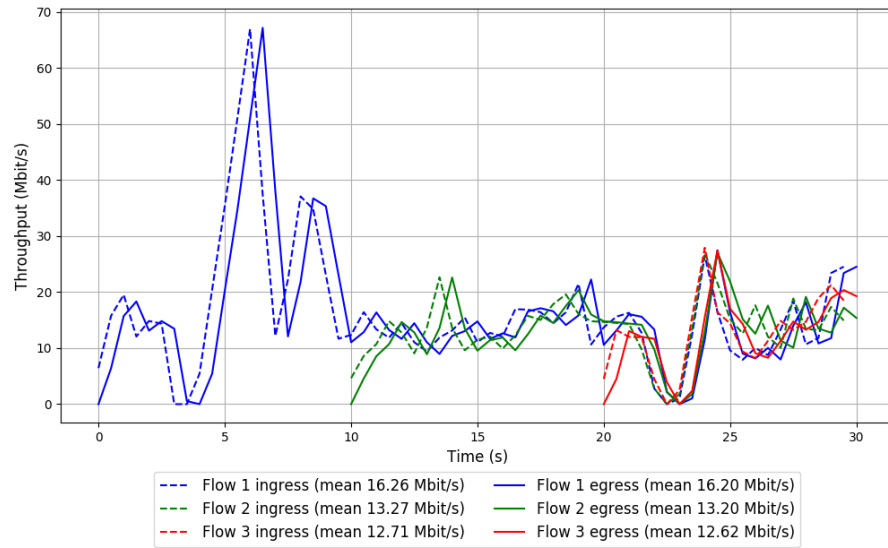


Run 10: Statistics of LEDBAT

Start at: 2018-07-17 19:45:27
End at: 2018-07-17 19:45:57
Local clock offset: -1.958 ms
Remote clock offset: -18.216 ms

Below is generated by plot.py at 2018-07-17 20:10:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 8.756 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 8.256 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 9.100 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 8.463 ms
Loss rate: 0.67%

Run 10: Report of LEDBAT — Data Link

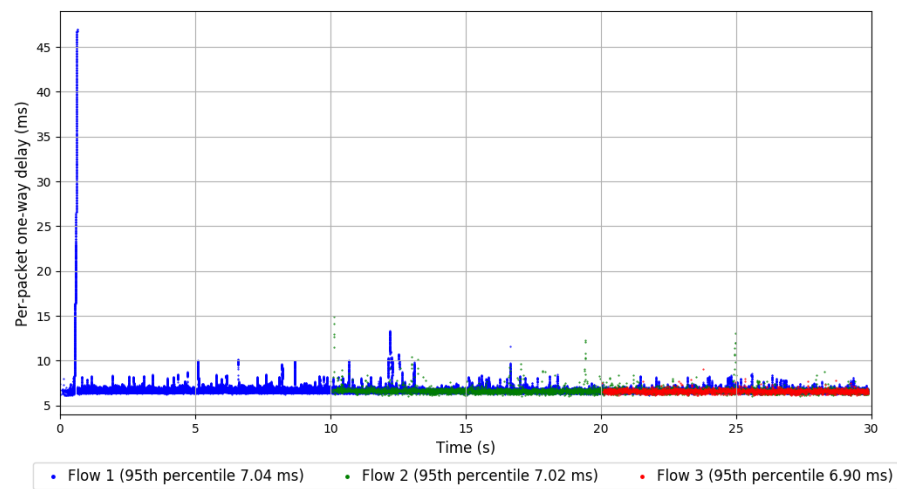
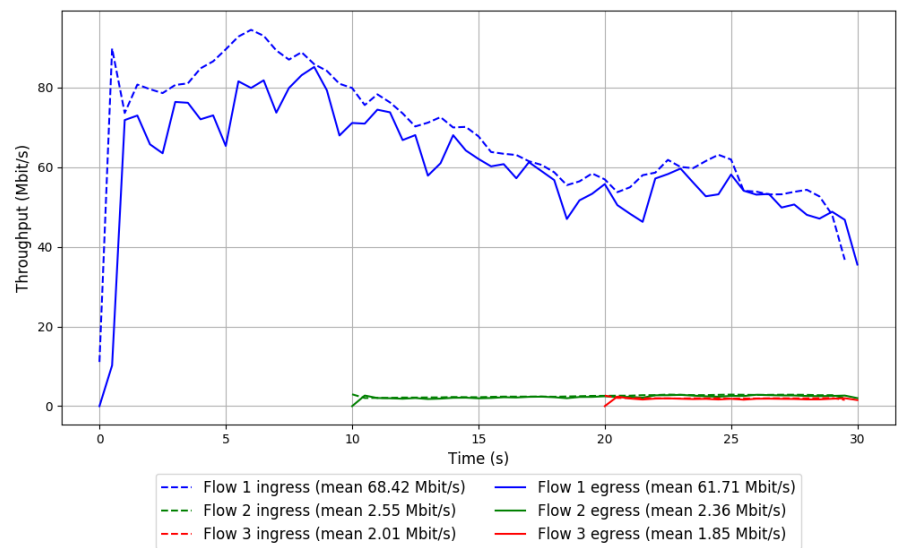


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-17 16:48:17
End at: 2018-07-17 16:48:47
Local clock offset: -0.56 ms
Remote clock offset: -11.119 ms

# Below is generated by plot.py at 2018-07-17 20:10:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.89 Mbit/s
95th percentile per-packet one-way delay: 7.033 ms
Loss rate: 9.74%
-- Flow 1:
Average throughput: 61.71 Mbit/s
95th percentile per-packet one-way delay: 7.036 ms
Loss rate: 9.81%
-- Flow 2:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 7.021 ms
Loss rate: 7.51%
-- Flow 3:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 6.897 ms
Loss rate: 7.82%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-17 17:08:27

End at: 2018-07-17 17:08:57

Local clock offset: 0.475 ms

Remote clock offset: -9.88 ms

Below is generated by plot.py at 2018-07-17 20:10:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.97 Mbit/s

95th percentile per-packet one-way delay: 9.370 ms

Loss rate: 7.11%

-- Flow 1:

Average throughput: 48.53 Mbit/s

95th percentile per-packet one-way delay: 9.370 ms

Loss rate: 7.10%

-- Flow 2:

Average throughput: 4.10 Mbit/s

95th percentile per-packet one-way delay: 9.374 ms

Loss rate: 7.37%

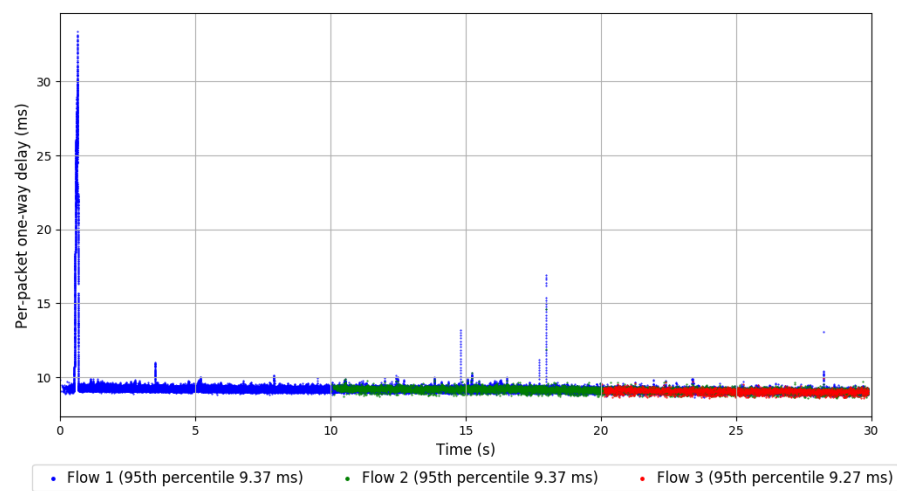
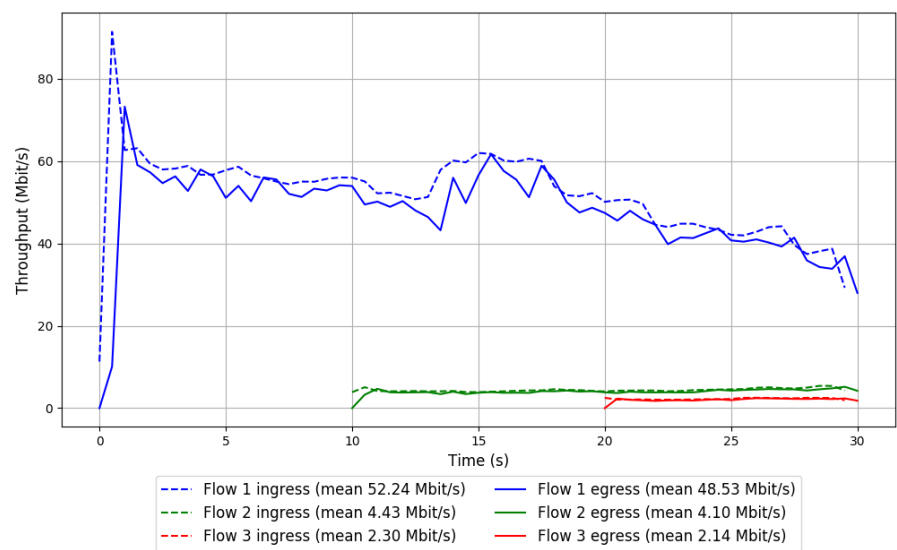
-- Flow 3:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 9.267 ms

Loss rate: 6.97%

Run 2: Report of PCC-Allegro — Data Link

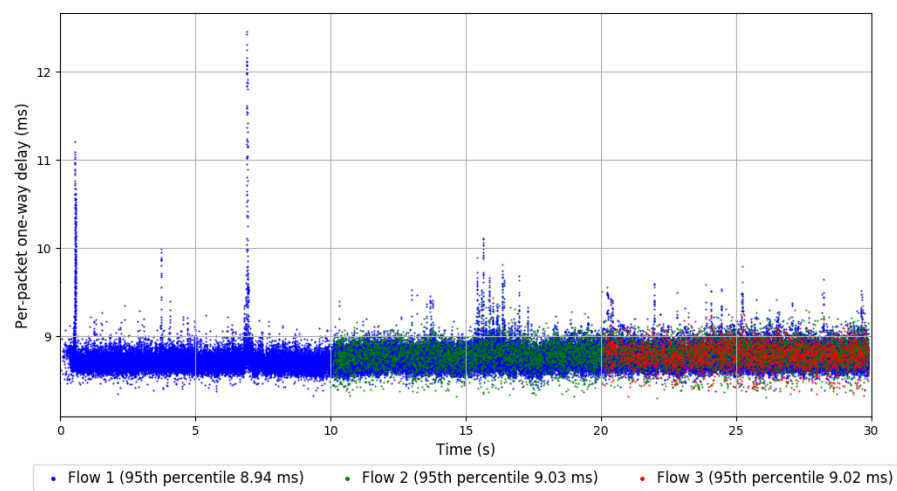
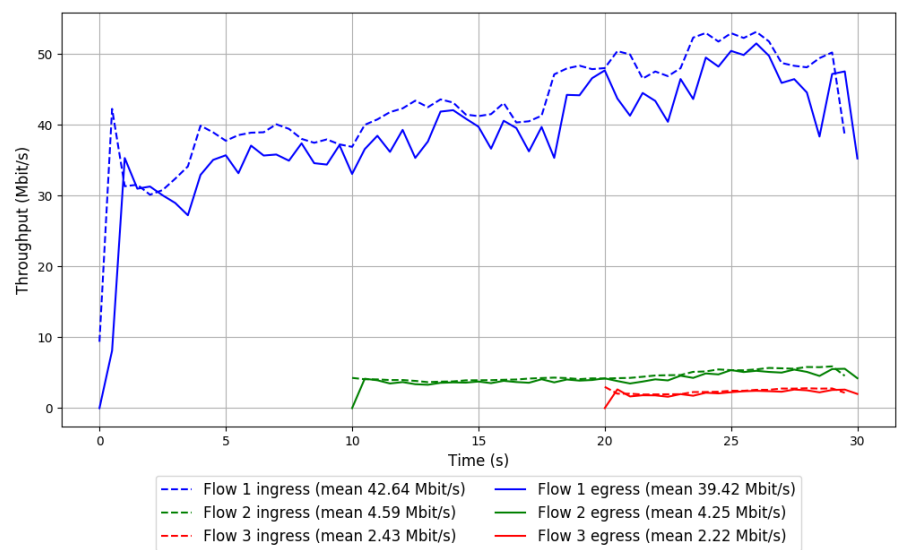


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-17 17:28:58
End at: 2018-07-17 17:29:28
Local clock offset: -0.065 ms
Remote clock offset: -5.739 ms

Below is generated by plot.py at 2018-07-17 20:10:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.98 Mbit/s
95th percentile per-packet one-way delay: 8.950 ms
Loss rate: 7.56%
-- Flow 1:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 8.935 ms
Loss rate: 7.55%
-- Flow 2:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 9.030 ms
Loss rate: 7.49%
-- Flow 3:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 9.022 ms
Loss rate: 8.38%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-17 17:49:03

End at: 2018-07-17 17:49:33

Local clock offset: 1.309 ms

Remote clock offset: 0.831 ms

Below is generated by plot.py at 2018-07-17 20:10:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.08 Mbit/s

95th percentile per-packet one-way delay: 6.041 ms

Loss rate: 11.88%

-- Flow 1:

Average throughput: 54.37 Mbit/s

95th percentile per-packet one-way delay: 5.693 ms

Loss rate: 11.89%

-- Flow 2:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 7.226 ms

Loss rate: 11.58%

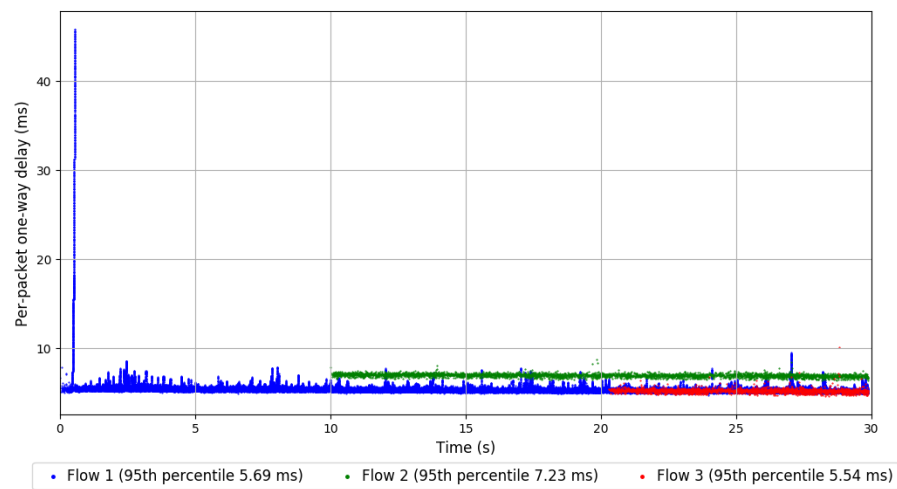
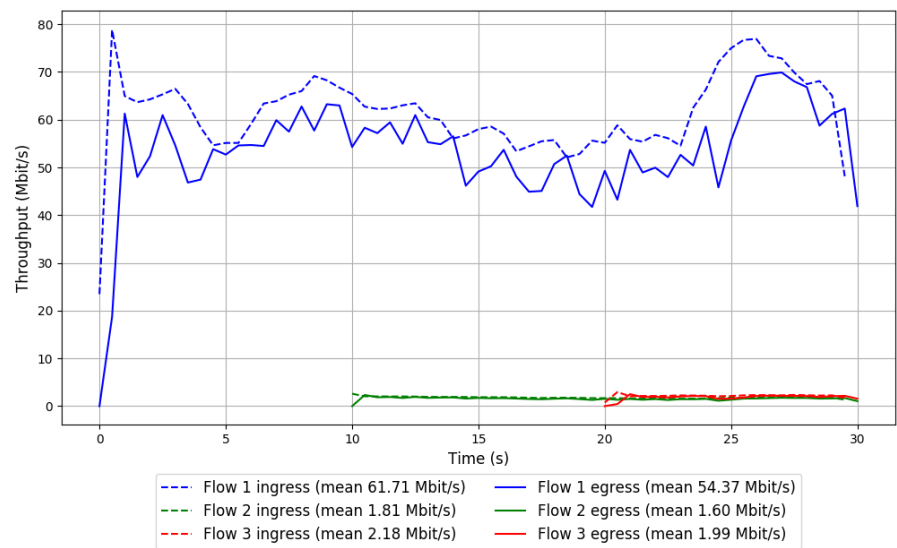
-- Flow 3:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 5.535 ms

Loss rate: 11.18%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-17 18:08:32

End at: 2018-07-17 18:09:02

Local clock offset: 1.93 ms

Remote clock offset: 7.647 ms

Below is generated by plot.py at 2018-07-17 20:10:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.80 Mbit/s

95th percentile per-packet one-way delay: 5.463 ms

Loss rate: 5.90%

-- Flow 1:

Average throughput: 65.55 Mbit/s

95th percentile per-packet one-way delay: 5.294 ms

Loss rate: 5.91%

-- Flow 2:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 5.273 ms

Loss rate: 6.06%

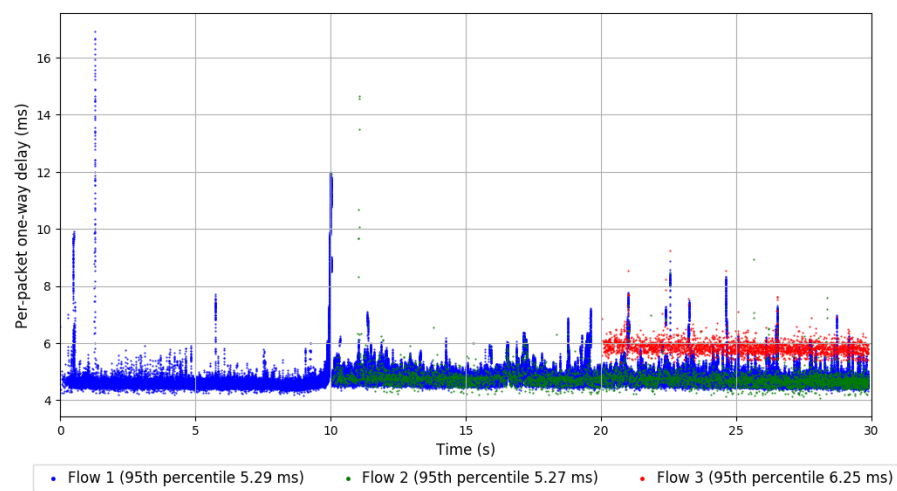
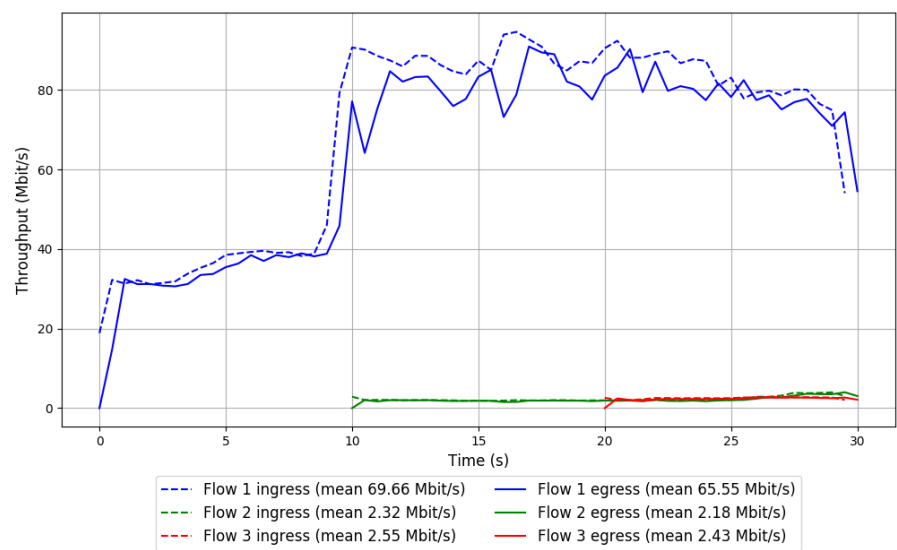
-- Flow 3:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 6.254 ms

Loss rate: 4.77%

Run 5: Report of PCC-Allegro — Data Link

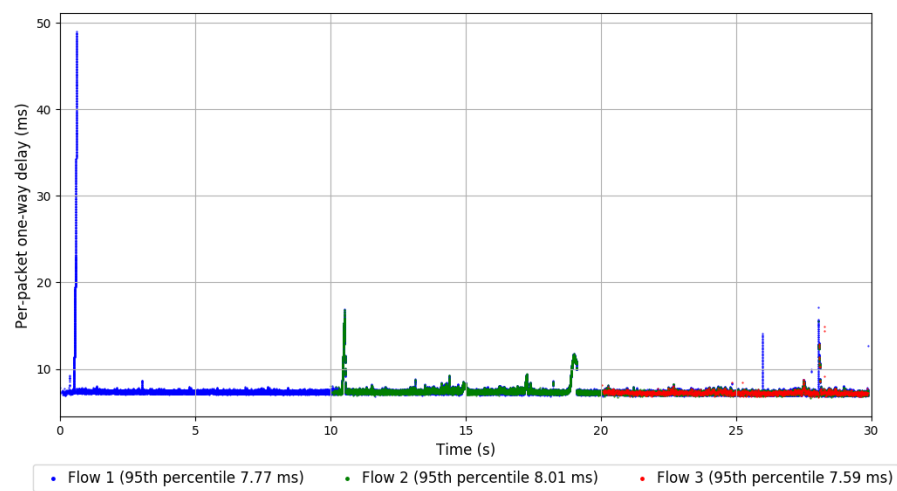
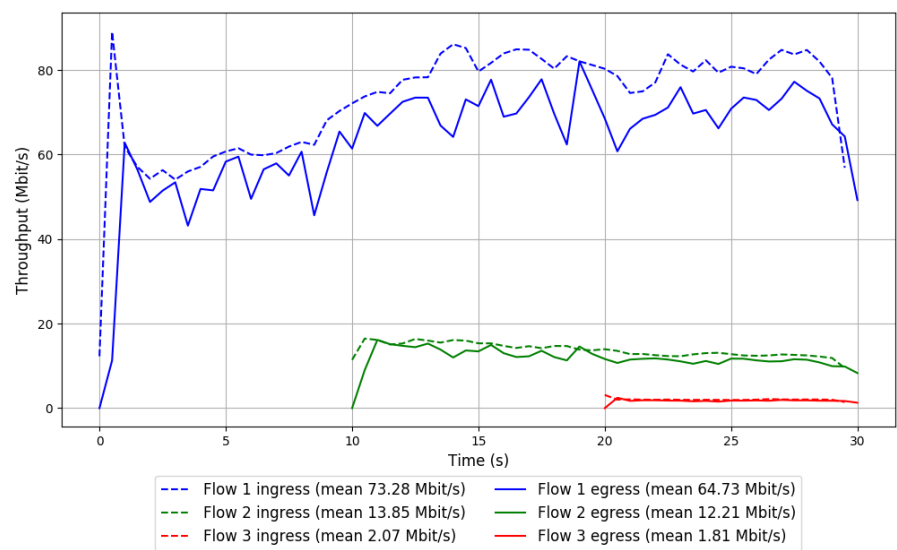


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-17 18:28:29
End at: 2018-07-17 18:28:59
Local clock offset: -1.794 ms
Remote clock offset: 11.795 ms

Below is generated by plot.py at 2018-07-17 20:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.45 Mbit/s
95th percentile per-packet one-way delay: 7.786 ms
Loss rate: 11.68%
-- Flow 1:
Average throughput: 64.73 Mbit/s
95th percentile per-packet one-way delay: 7.767 ms
Loss rate: 11.65%
-- Flow 2:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 8.011 ms
Loss rate: 11.84%
-- Flow 3:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 7.593 ms
Loss rate: 12.86%

Run 6: Report of PCC-Allegro — Data Link

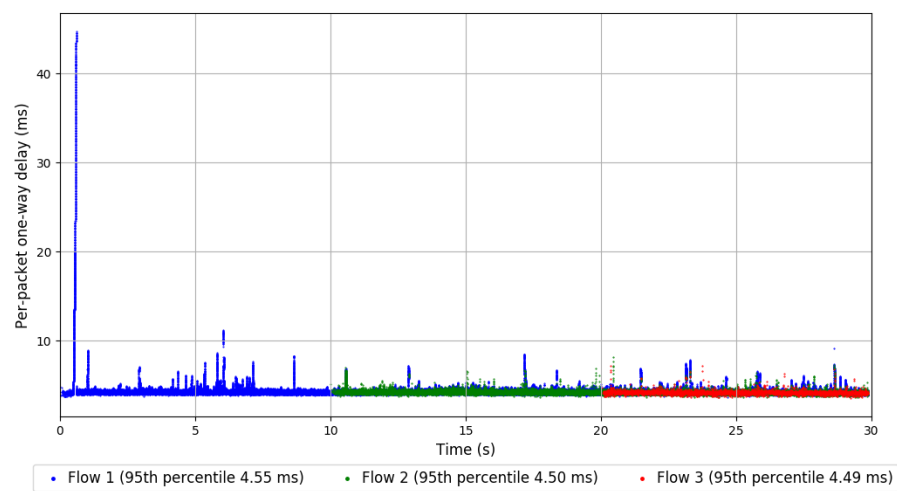
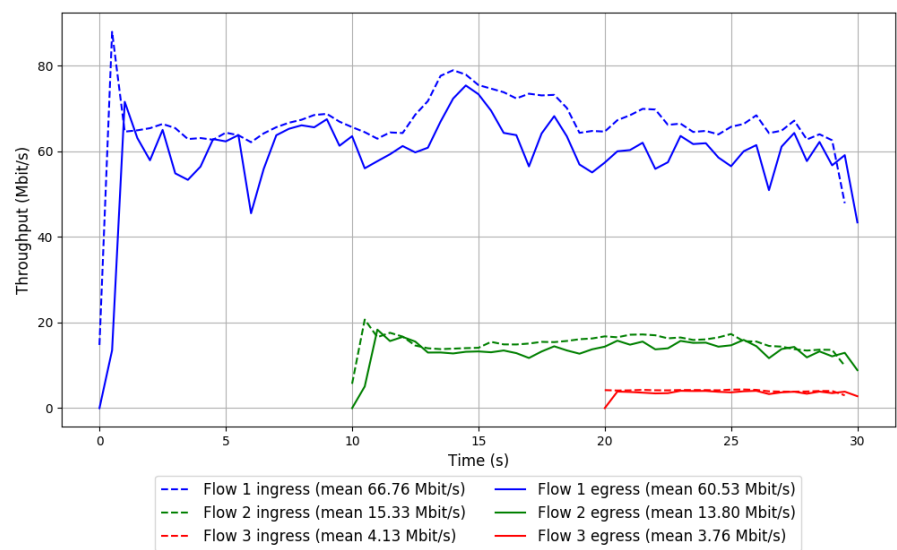


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-17 18:48:42
End at: 2018-07-17 18:49:12
Local clock offset: -4.064 ms
Remote clock offset: 16.237 ms

Below is generated by plot.py at 2018-07-17 20:10:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 4.544 ms
Loss rate: 9.41%
-- Flow 1:
Average throughput: 60.53 Mbit/s
95th percentile per-packet one-way delay: 4.555 ms
Loss rate: 9.32%
-- Flow 2:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: 4.501 ms
Loss rate: 10.02%
-- Flow 3:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 4.487 ms
Loss rate: 9.18%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-17 19:08:55

End at: 2018-07-17 19:09:25

Local clock offset: -6.422 ms

Remote clock offset: -10.345 ms

Below is generated by plot.py at 2018-07-17 20:11:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.18 Mbit/s

95th percentile per-packet one-way delay: 7.788 ms

Loss rate: 7.12%

-- Flow 1:

Average throughput: 70.72 Mbit/s

95th percentile per-packet one-way delay: 7.790 ms

Loss rate: 7.11%

-- Flow 2:

Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 6.893 ms

Loss rate: 7.31%

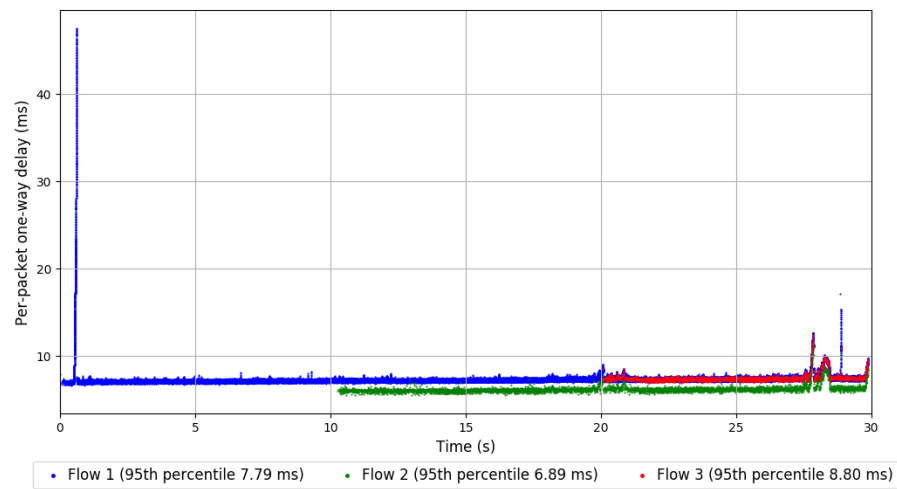
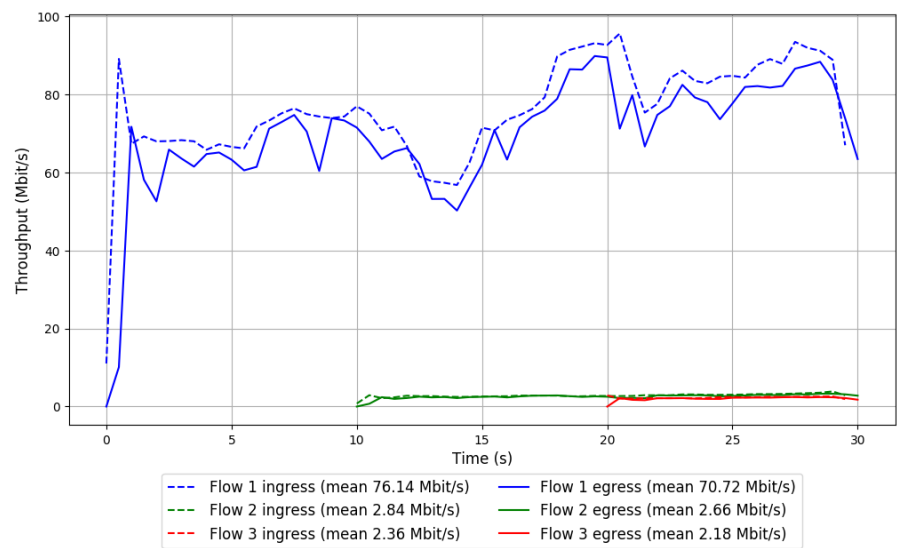
-- Flow 3:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 8.801 ms

Loss rate: 7.68%

Run 8: Report of PCC-Allegro — Data Link

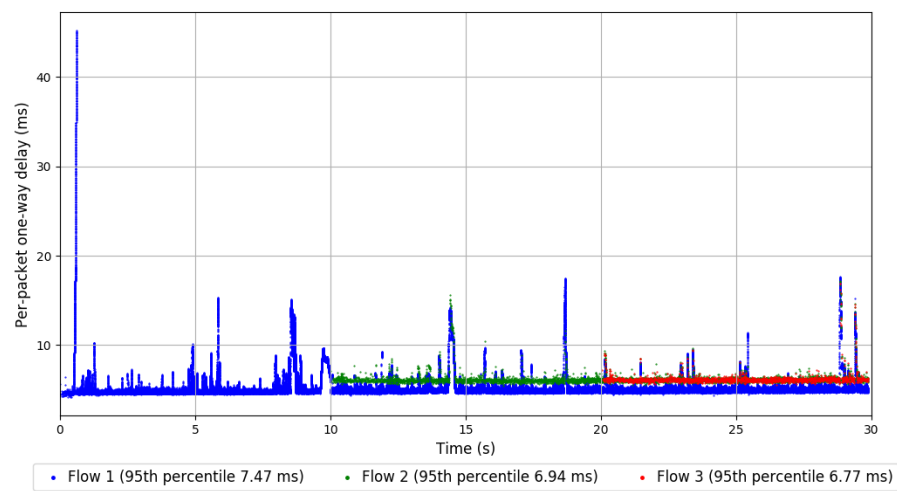
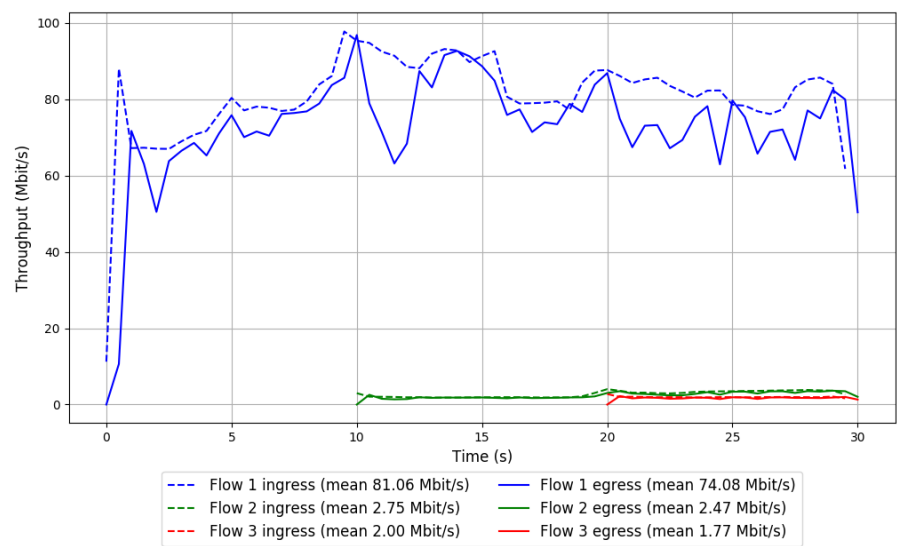


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-17 19:29:39
End at: 2018-07-17 19:30:09
Local clock offset: -4.297 ms
Remote clock offset: -17.499 ms

Below is generated by plot.py at 2018-07-17 20:11:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 7.431 ms
Loss rate: 8.66%
-- Flow 1:
Average throughput: 74.08 Mbit/s
95th percentile per-packet one-way delay: 7.474 ms
Loss rate: 8.61%
-- Flow 2:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 6.941 ms
Loss rate: 10.22%
-- Flow 3:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 6.770 ms
Loss rate: 11.71%

Run 9: Report of PCC-Allegro — Data Link

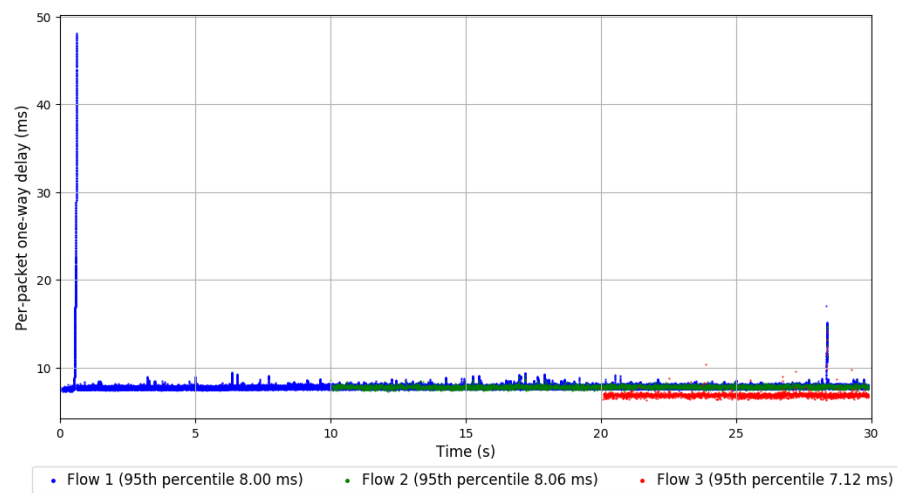
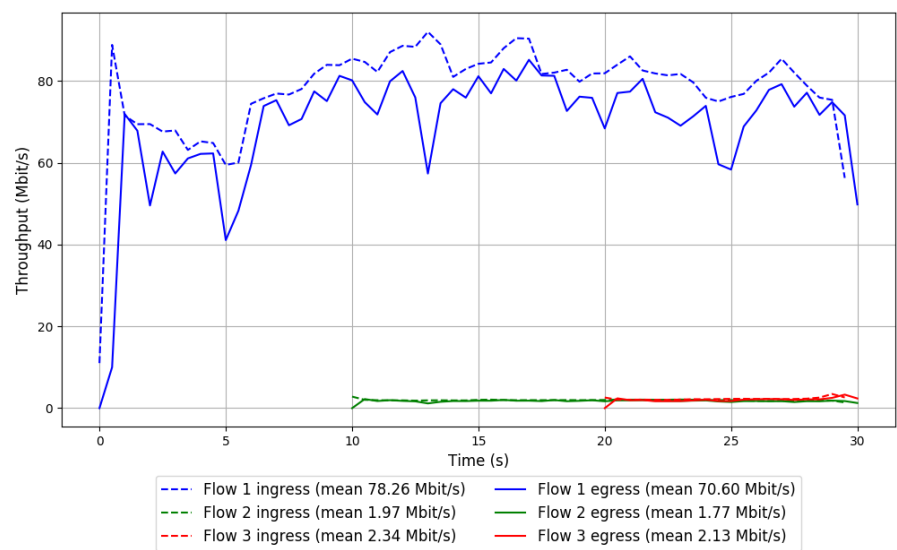


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-17 19:49:59
End at: 2018-07-17 19:50:29
Local clock offset: -2.397 ms
Remote clock offset: -19.574 ms

Below is generated by plot.py at 2018-07-17 20:11:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 7.997 ms
Loss rate: 9.80%
-- Flow 1:
Average throughput: 70.60 Mbit/s
95th percentile per-packet one-way delay: 7.996 ms
Loss rate: 9.79%
-- Flow 2:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 8.057 ms
Loss rate: 10.50%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 7.116 ms
Loss rate: 8.86%

Run 10: Report of PCC-Allegro — Data Link

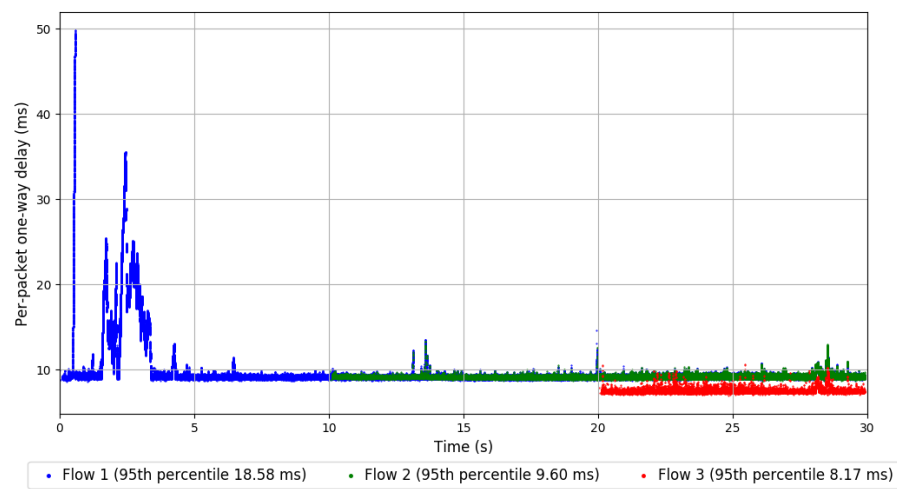
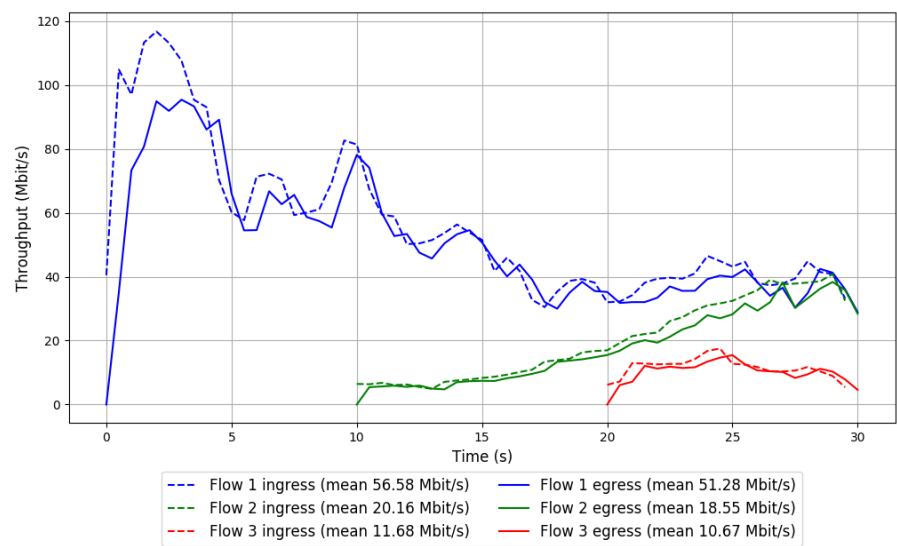


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-17 16:49:27
End at: 2018-07-17 16:49:57
Local clock offset: -0.983 ms
Remote clock offset: -10.809 ms

# Below is generated by plot.py at 2018-07-17 20:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.13 Mbit/s
95th percentile per-packet one-way delay: 16.433 ms
Loss rate: 9.08%
-- Flow 1:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 18.577 ms
Loss rate: 9.37%
-- Flow 2:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 9.599 ms
Loss rate: 7.98%
-- Flow 3:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 8.166 ms
Loss rate: 8.62%
```

Run 1: Report of PCC-Expr — Data Link

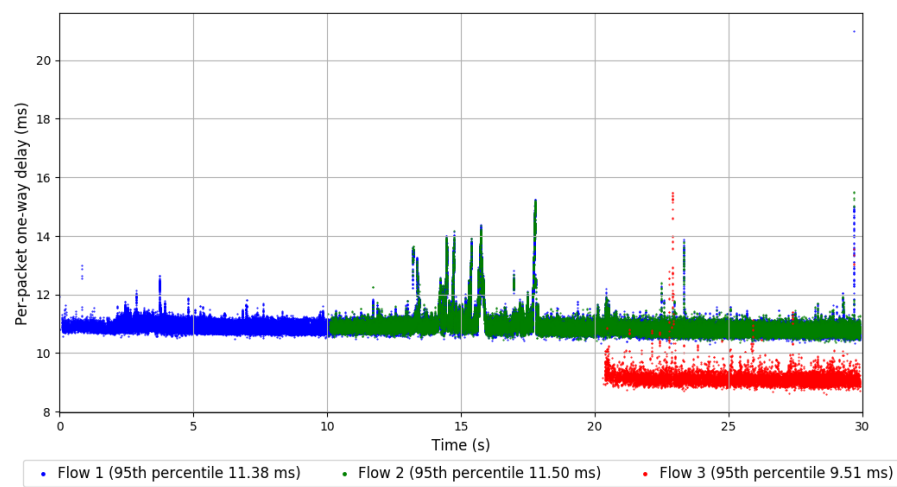
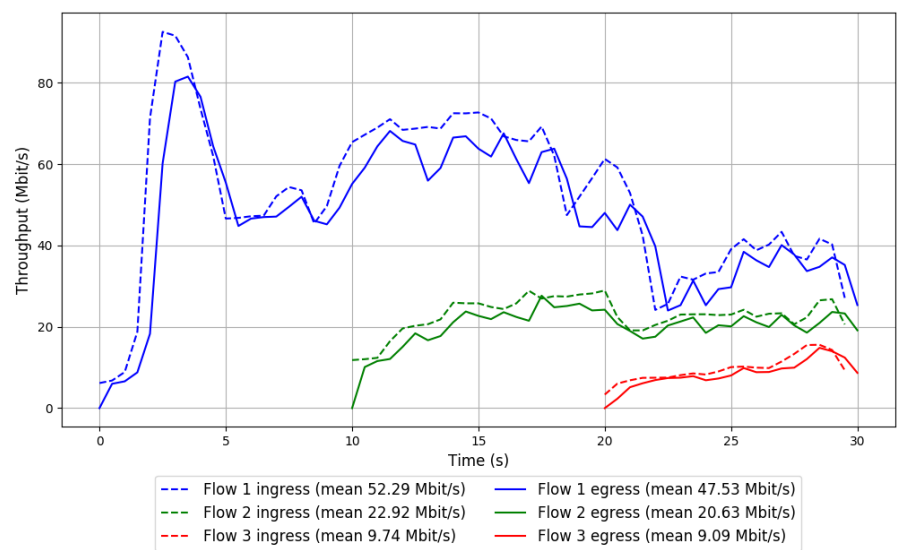


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-17 17:09:37
End at: 2018-07-17 17:10:07
Local clock offset: -2.069 ms
Remote clock offset: -10.202 ms

# Below is generated by plot.py at 2018-07-17 20:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.18 Mbit/s
95th percentile per-packet one-way delay: 11.382 ms
Loss rate: 9.30%
-- Flow 1:
Average throughput: 47.53 Mbit/s
95th percentile per-packet one-way delay: 11.378 ms
Loss rate: 9.11%
-- Flow 2:
Average throughput: 20.63 Mbit/s
95th percentile per-packet one-way delay: 11.500 ms
Loss rate: 10.00%
-- Flow 3:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 9.507 ms
Loss rate: 9.12%
```

Run 2: Report of PCC-Expr — Data Link

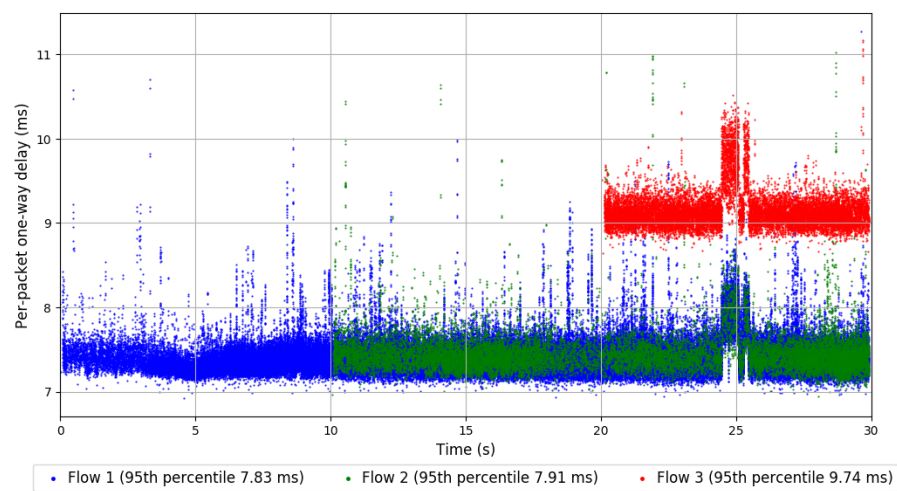
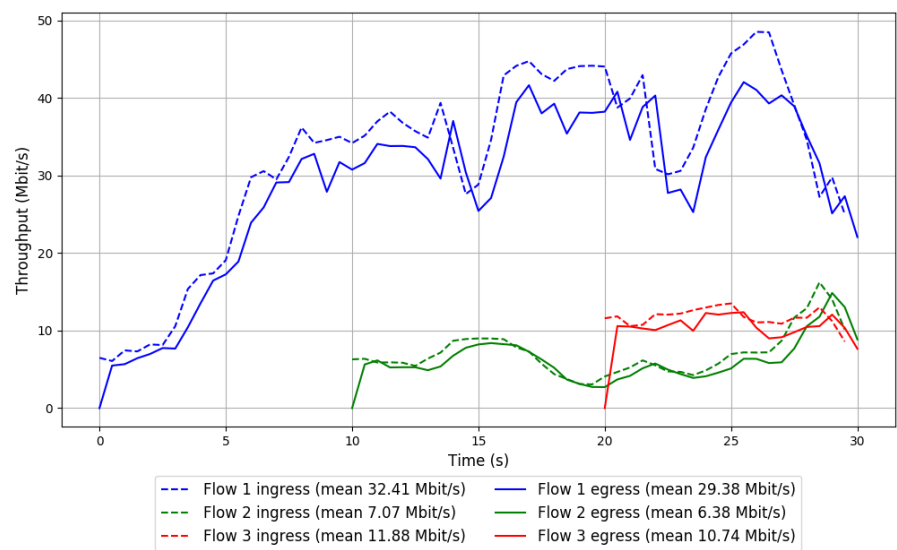


Run 3: Statistics of PCC-Expr

Start at: 2018-07-17 17:30:06
End at: 2018-07-17 17:30:36
Local clock offset: -0.012 ms
Remote clock offset: -5.208 ms

Below is generated by plot.py at 2018-07-17 20:12:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 9.107 ms
Loss rate: 9.43%
-- Flow 1:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 7.827 ms
Loss rate: 9.34%
-- Flow 2:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 7.906 ms
Loss rate: 9.83%
-- Flow 3:
Average throughput: 10.74 Mbit/s
95th percentile per-packet one-way delay: 9.736 ms
Loss rate: 9.66%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-17 17:50:10

End at: 2018-07-17 17:50:40

Local clock offset: -2.229 ms

Remote clock offset: 1.497 ms

Below is generated by plot.py at 2018-07-17 20:12:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.90 Mbit/s

95th percentile per-packet one-way delay: 10.865 ms

Loss rate: 11.92%

-- Flow 1:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 10.937 ms

Loss rate: 12.30%

-- Flow 2:

Average throughput: 13.00 Mbit/s

95th percentile per-packet one-way delay: 9.126 ms

Loss rate: 10.80%

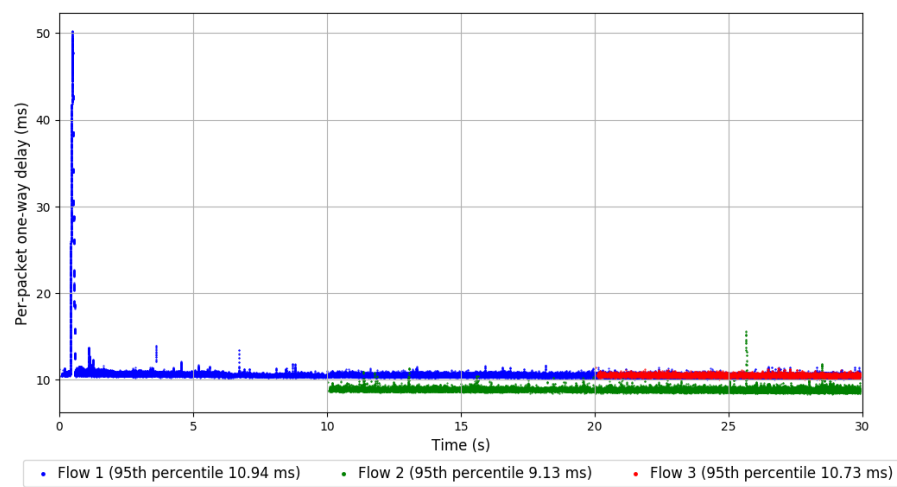
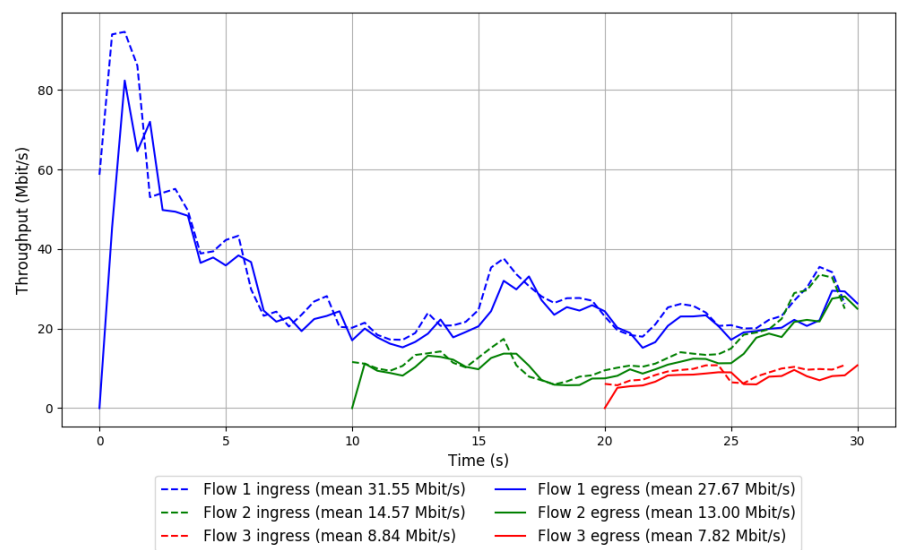
-- Flow 3:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 10.730 ms

Loss rate: 11.50%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-17 18:09:39

End at: 2018-07-17 18:10:10

Local clock offset: 0.246 ms

Remote clock offset: 7.767 ms

Below is generated by plot.py at 2018-07-17 20:12:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.92 Mbit/s

95th percentile per-packet one-way delay: 10.015 ms

Loss rate: 6.22%

-- Flow 1:

Average throughput: 57.74 Mbit/s

95th percentile per-packet one-way delay: 8.477 ms

Loss rate: 5.79%

-- Flow 2:

Average throughput: 17.41 Mbit/s

95th percentile per-packet one-way delay: 13.610 ms

Loss rate: 7.54%

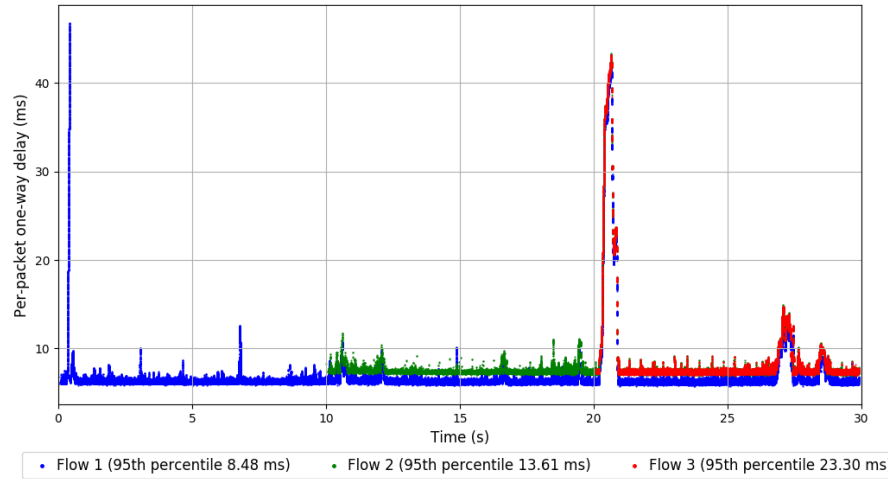
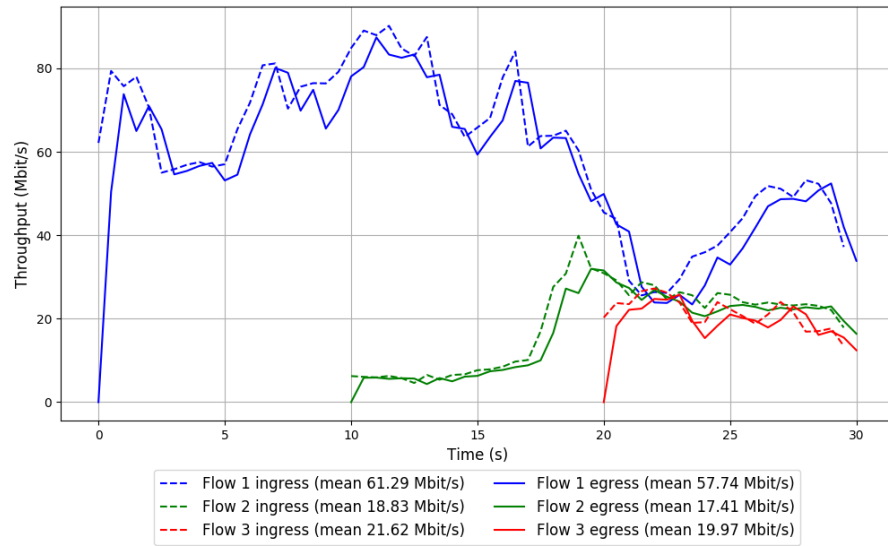
-- Flow 3:

Average throughput: 19.97 Mbit/s

95th percentile per-packet one-way delay: 23.303 ms

Loss rate: 7.63%

Run 5: Report of PCC-Expr — Data Link

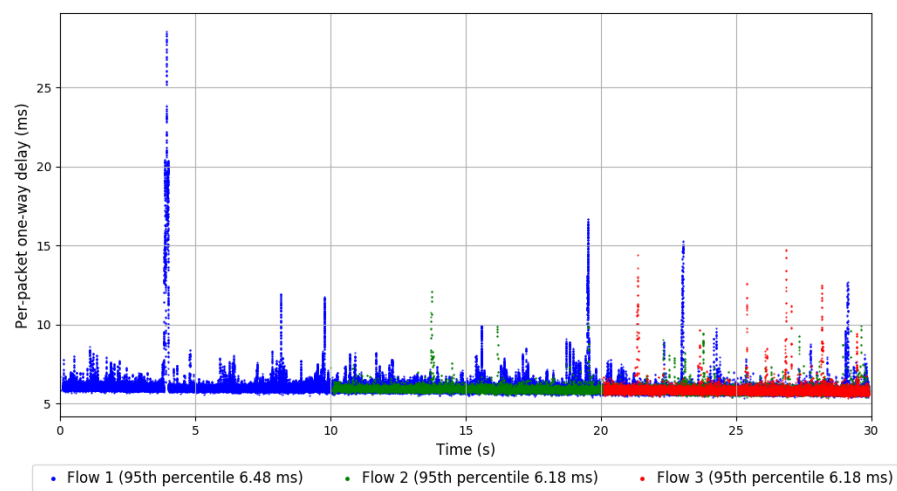
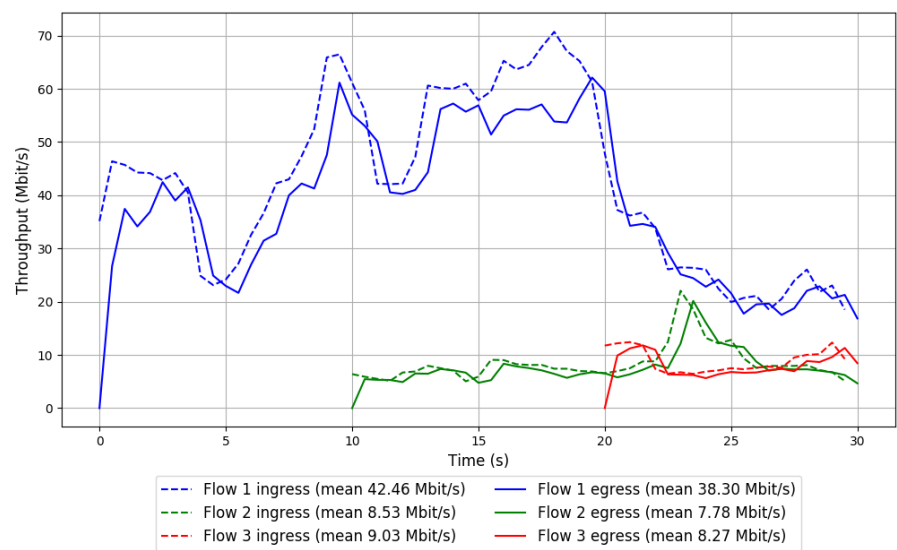


Run 6: Statistics of PCC-Expr

Start at: 2018-07-17 18:29:38
End at: 2018-07-17 18:30:08
Local clock offset: -1.329 ms
Remote clock offset: 12.803 ms

Below is generated by plot.py at 2018-07-17 20:12:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 6.430 ms
Loss rate: 9.60%
-- Flow 1:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 6.484 ms
Loss rate: 9.79%
-- Flow 2:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 6.179 ms
Loss rate: 8.80%
-- Flow 3:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 6.185 ms
Loss rate: 8.46%

Run 6: Report of PCC-Expr — Data Link

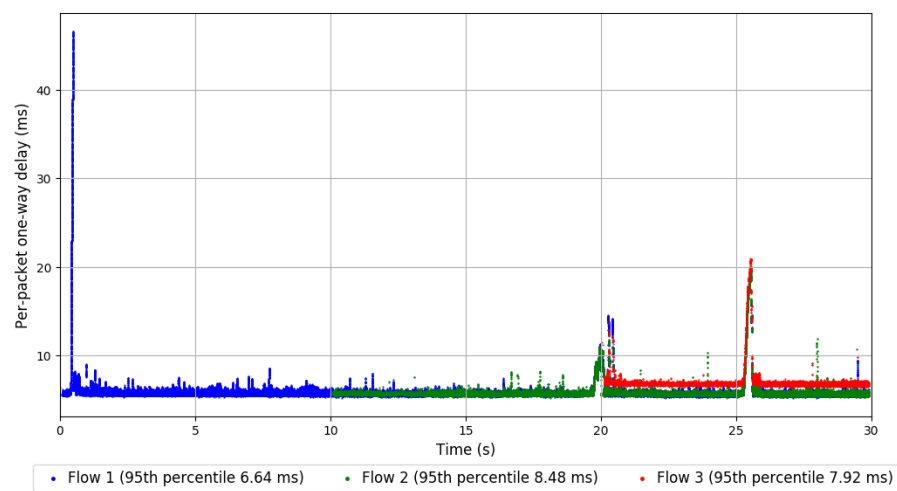
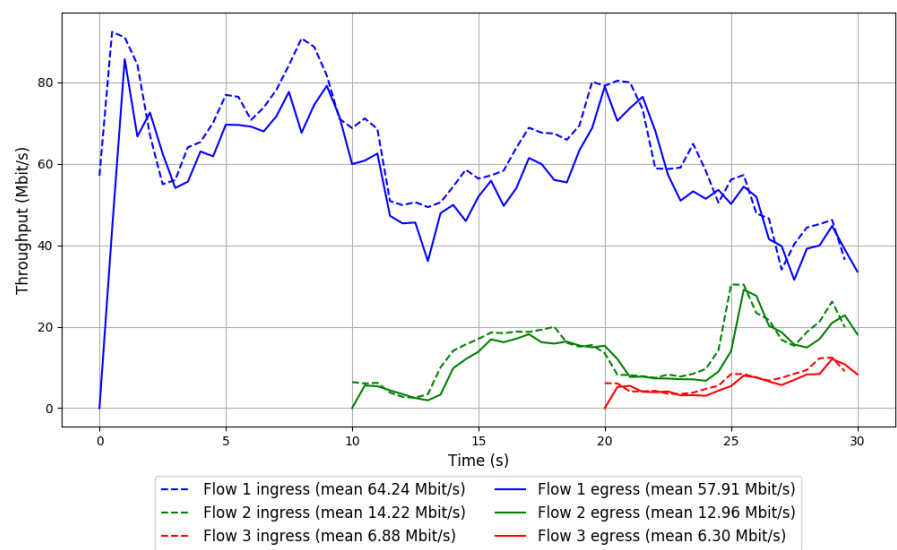


Run 7: Statistics of PCC-Expr

Start at: 2018-07-17 18:49:53
End at: 2018-07-17 18:50:23
Local clock offset: -5.494 ms
Remote clock offset: 16.673 ms

Below is generated by plot.py at 2018-07-17 20:13:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.61 Mbit/s
95th percentile per-packet one-way delay: 6.976 ms
Loss rate: 9.69%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 6.643 ms
Loss rate: 9.85%
-- Flow 2:
Average throughput: 12.96 Mbit/s
95th percentile per-packet one-way delay: 8.482 ms
Loss rate: 8.87%
-- Flow 3:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 7.925 ms
Loss rate: 8.42%

Run 7: Report of PCC-Expr — Data Link

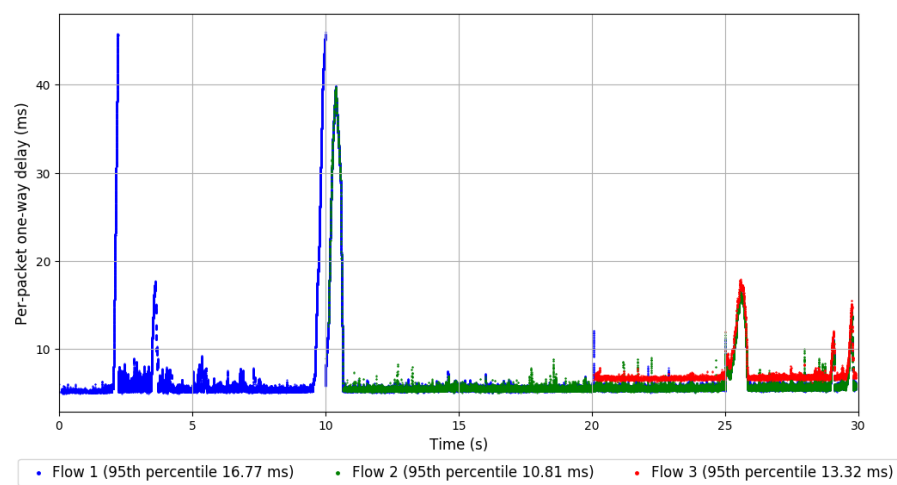
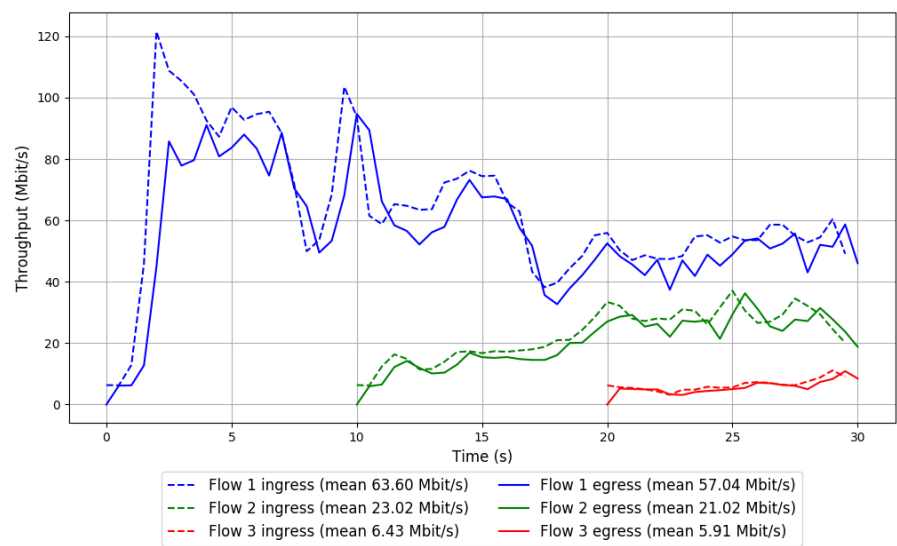


Run 8: Statistics of PCC-Expr

Start at: 2018-07-17 19:10:04
End at: 2018-07-17 19:10:34
Local clock offset: -6.392 ms
Remote clock offset: -11.561 ms

Below is generated by plot.py at 2018-07-17 20:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.97 Mbit/s
95th percentile per-packet one-way delay: 15.543 ms
Loss rate: 9.94%
-- Flow 1:
Average throughput: 57.04 Mbit/s
95th percentile per-packet one-way delay: 16.773 ms
Loss rate: 10.31%
-- Flow 2:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 10.806 ms
Loss rate: 8.69%
-- Flow 3:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 13.320 ms
Loss rate: 8.01%

Run 8: Report of PCC-Expr — Data Link

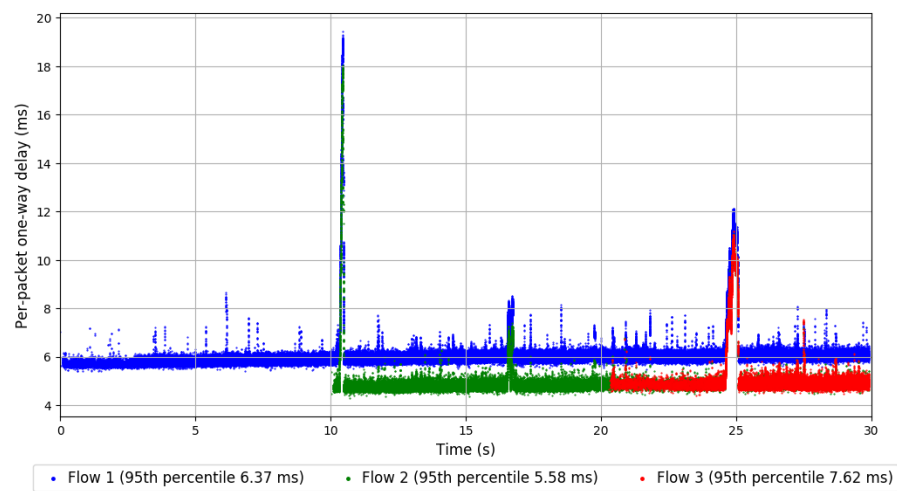
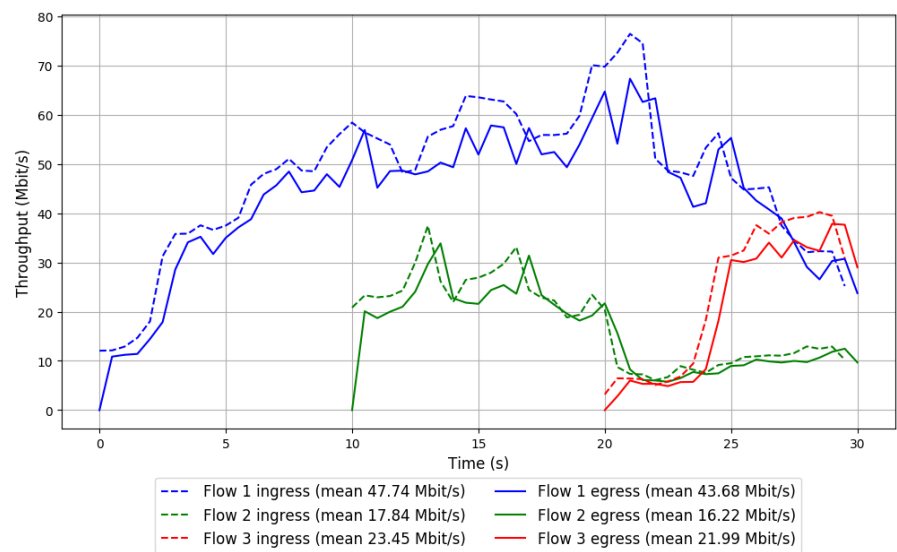


Run 9: Statistics of PCC-Expr

Start at: 2018-07-17 19:30:49
End at: 2018-07-17 19:31:19
Local clock offset: -4.024 ms
Remote clock offset: -17.703 ms

Below is generated by plot.py at 2018-07-17 20:13:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 6.369 ms
Loss rate: 8.62%
-- Flow 1:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 6.373 ms
Loss rate: 8.50%
-- Flow 2:
Average throughput: 16.22 Mbit/s
95th percentile per-packet one-way delay: 5.583 ms
Loss rate: 9.08%
-- Flow 3:
Average throughput: 21.99 Mbit/s
95th percentile per-packet one-way delay: 7.620 ms
Loss rate: 8.61%

Run 9: Report of PCC-Expr — Data Link

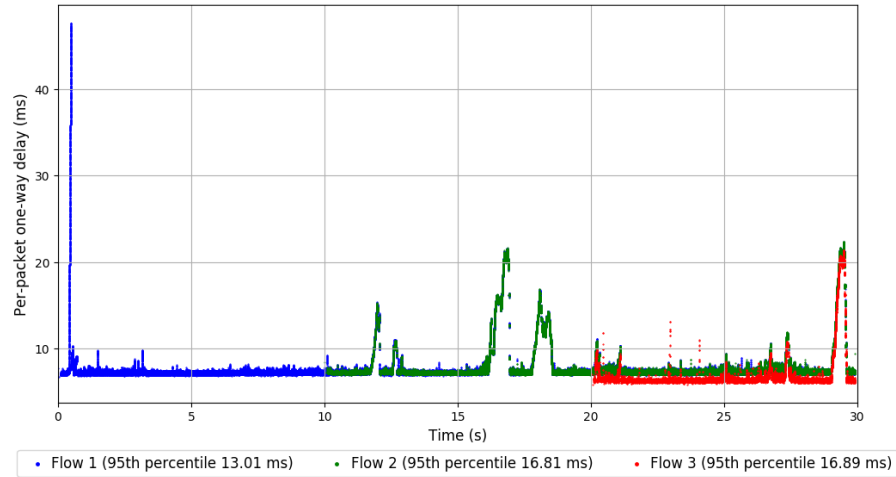
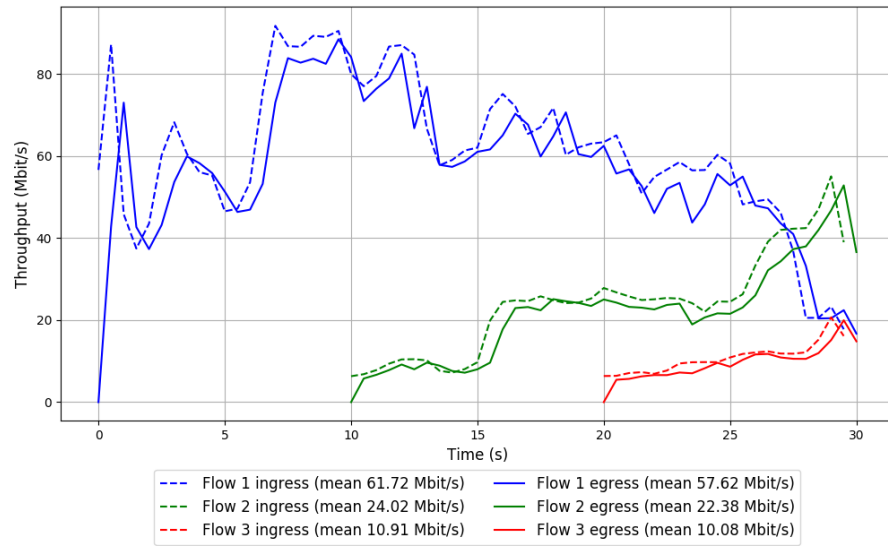


Run 10: Statistics of PCC-Expr

Start at: 2018-07-17 19:51:08
End at: 2018-07-17 19:51:38
Local clock offset: -3.226 ms
Remote clock offset: -21.188 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 13.742 ms
Loss rate: 6.73%
-- Flow 1:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 13.007 ms
Loss rate: 6.65%
-- Flow 2:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: 16.814 ms
Loss rate: 6.82%
-- Flow 3:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 16.894 ms
Loss rate: 7.66%

Run 10: Report of PCC-Expr — Data Link

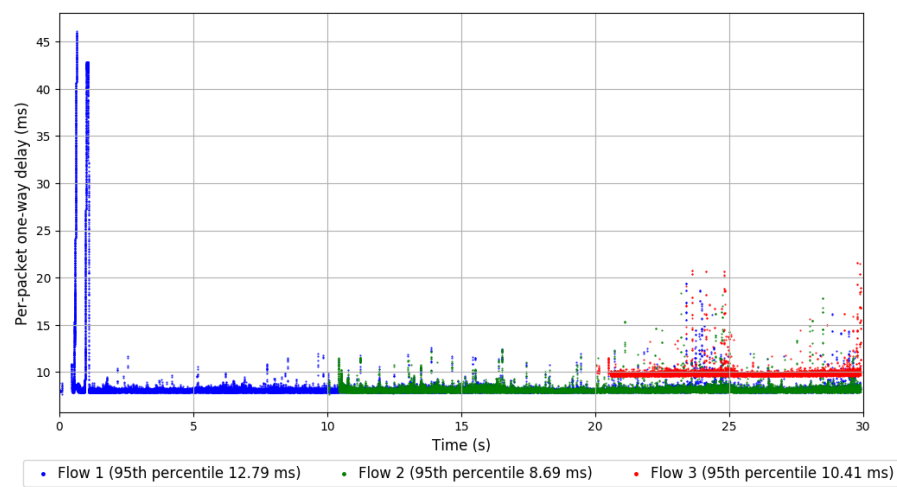
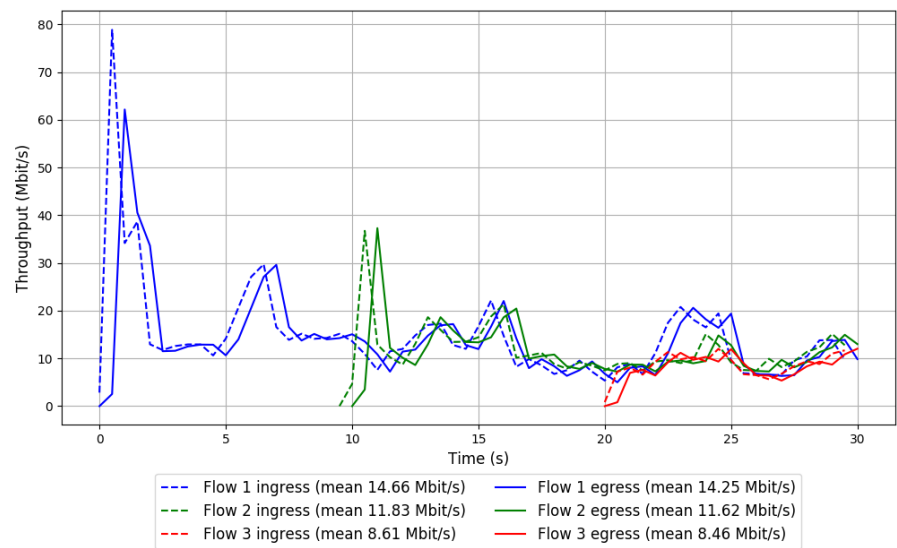


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-17 16:53:12
End at: 2018-07-17 16:53:42
Local clock offset: -1.041 ms
Remote clock offset: -10.163 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 10.163 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 12.788 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 8.691 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 10.414 ms
Loss rate: 1.70%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-17 17:13:23

End at: 2018-07-17 17:13:53

Local clock offset: 1.108 ms

Remote clock offset: -8.41 ms

Below is generated by plot.py at 2018-07-17 20:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.00 Mbit/s

95th percentile per-packet one-way delay: 8.325 ms

Loss rate: 5.23%

-- Flow 1:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 8.184 ms

Loss rate: 4.95%

-- Flow 2:

Average throughput: 8.55 Mbit/s

95th percentile per-packet one-way delay: 13.088 ms

Loss rate: 5.46%

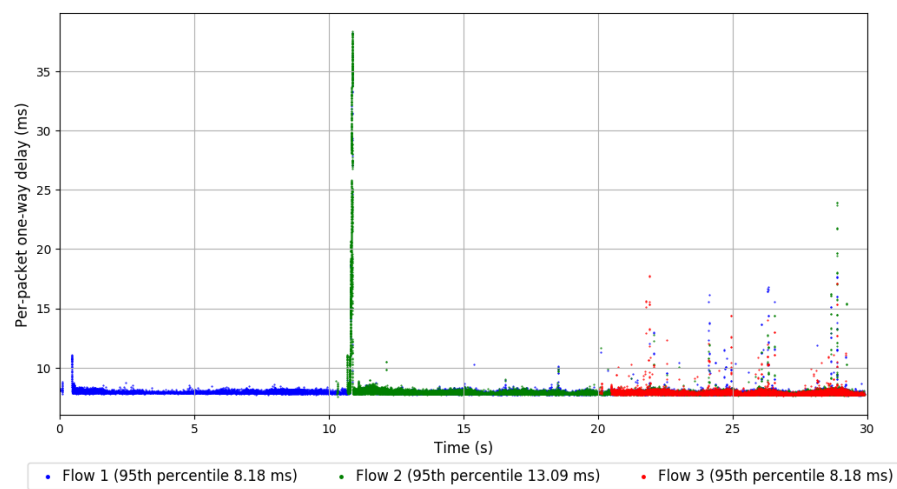
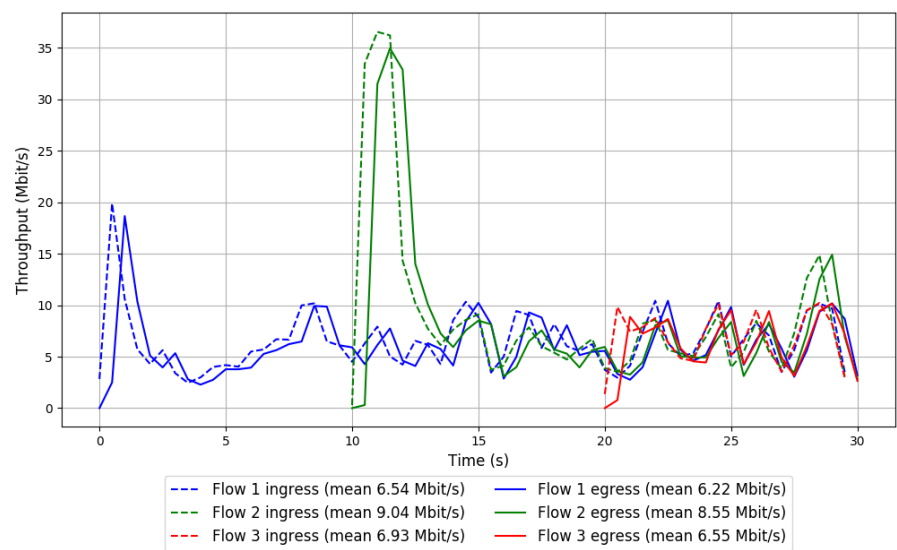
-- Flow 3:

Average throughput: 6.55 Mbit/s

95th percentile per-packet one-way delay: 8.180 ms

Loss rate: 5.44%

Run 2: Report of QUIC Cubic — Data Link

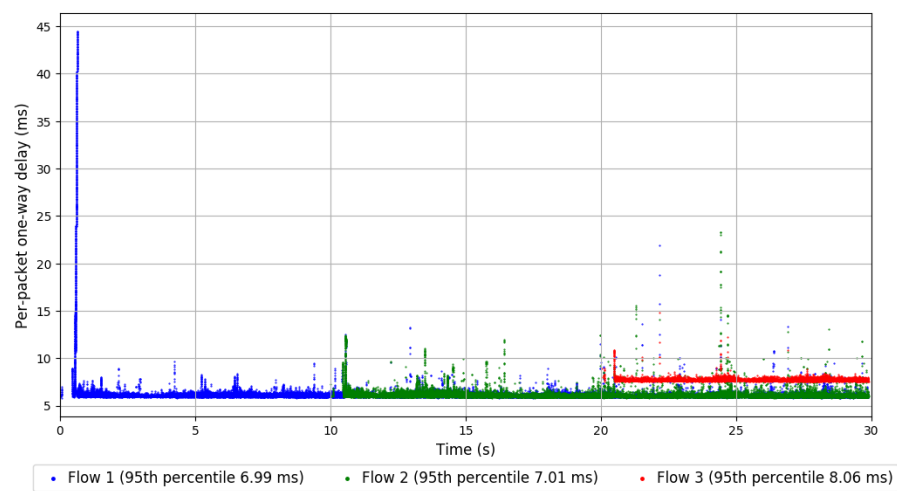
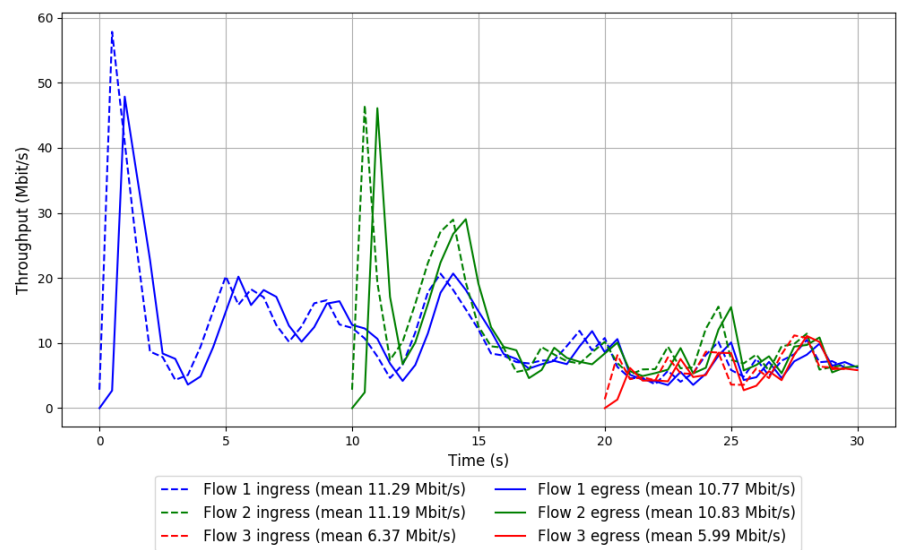


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-17 17:33:53
End at: 2018-07-17 17:34:23
Local clock offset: 1.764 ms
Remote clock offset: -4.211 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 7.867 ms
Loss rate: 4.26%
-- Flow 1:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 6.994 ms
Loss rate: 4.63%
-- Flow 2:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 7.014 ms
Loss rate: 3.24%
-- Flow 3:
Average throughput: 5.99 Mbit/s
95th percentile per-packet one-way delay: 8.060 ms
Loss rate: 5.85%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-17 17:53:39

End at: 2018-07-17 17:54:09

Local clock offset: 0.413 ms

Remote clock offset: 4.012 ms

Below is generated by plot.py at 2018-07-17 20:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.43 Mbit/s

95th percentile per-packet one-way delay: 8.872 ms

Loss rate: 3.03%

-- Flow 1:

Average throughput: 10.00 Mbit/s

95th percentile per-packet one-way delay: 7.646 ms

Loss rate: 3.13%

-- Flow 2:

Average throughput: 8.82 Mbit/s

95th percentile per-packet one-way delay: 8.904 ms

Loss rate: 3.26%

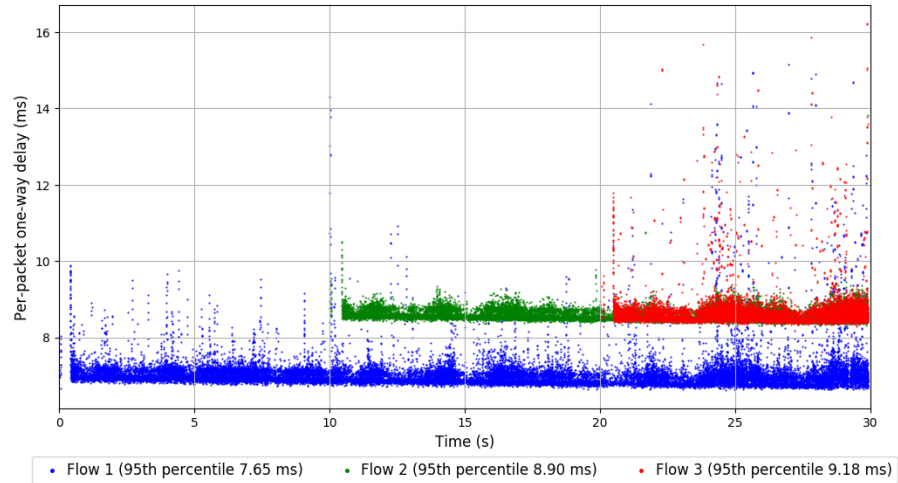
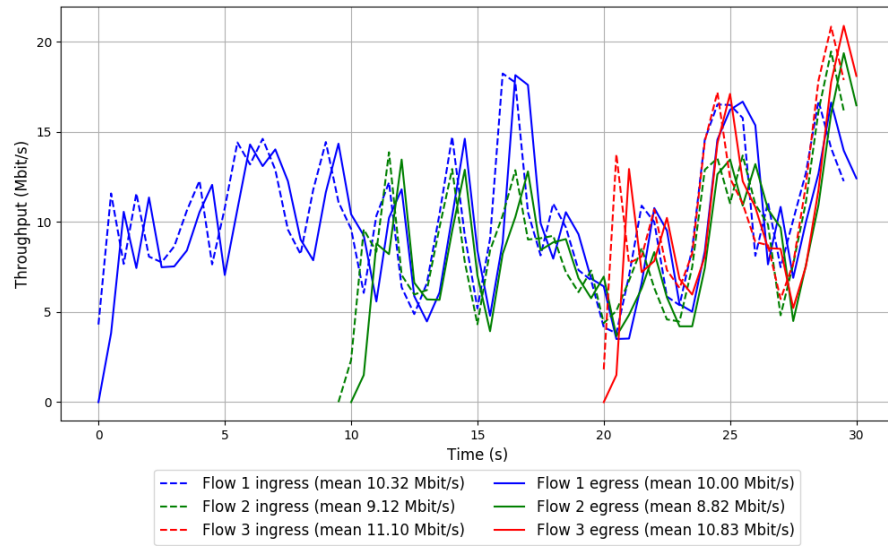
-- Flow 3:

Average throughput: 10.83 Mbit/s

95th percentile per-packet one-way delay: 9.177 ms

Loss rate: 2.38%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-17 18:13:11

End at: 2018-07-17 18:13:41

Local clock offset: 0.27 ms

Remote clock offset: 9.981 ms

Below is generated by plot.py at 2018-07-17 20:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.81 Mbit/s

95th percentile per-packet one-way delay: 10.386 ms

Loss rate: 2.34%

-- Flow 1:

Average throughput: 18.77 Mbit/s

95th percentile per-packet one-way delay: 8.575 ms

Loss rate: 2.55%

-- Flow 2:

Average throughput: 17.89 Mbit/s

95th percentile per-packet one-way delay: 11.897 ms

Loss rate: 2.71%

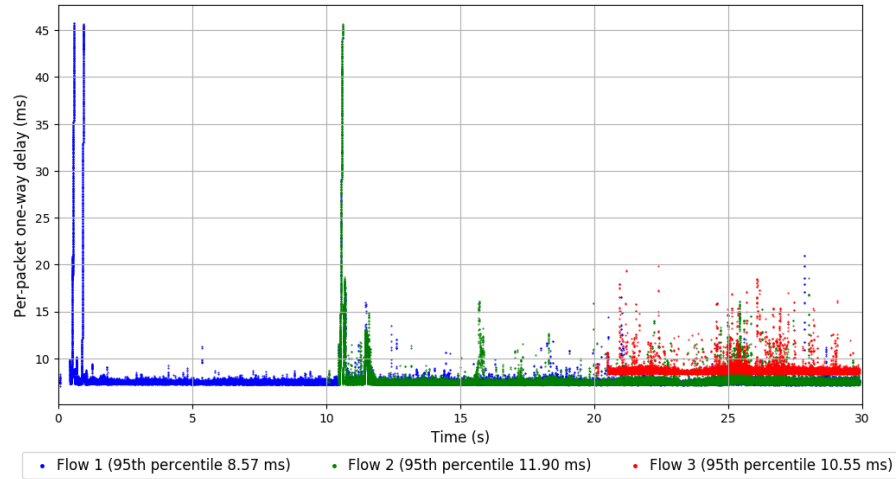
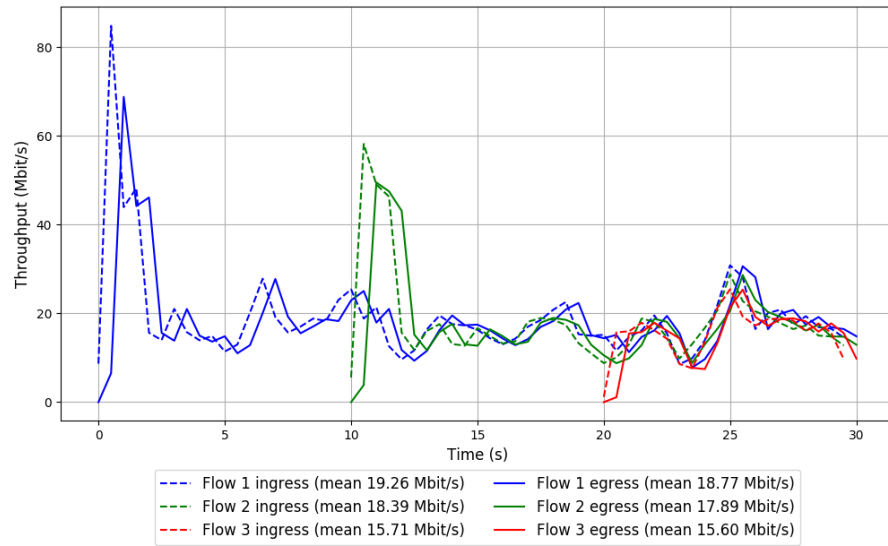
-- Flow 3:

Average throughput: 15.60 Mbit/s

95th percentile per-packet one-way delay: 10.555 ms

Loss rate: 0.71%

Run 5: Report of QUIC Cubic — Data Link

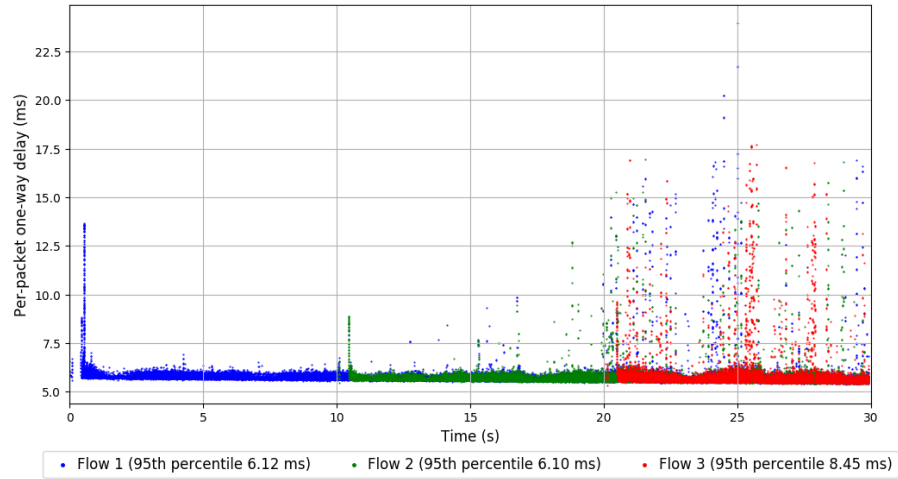
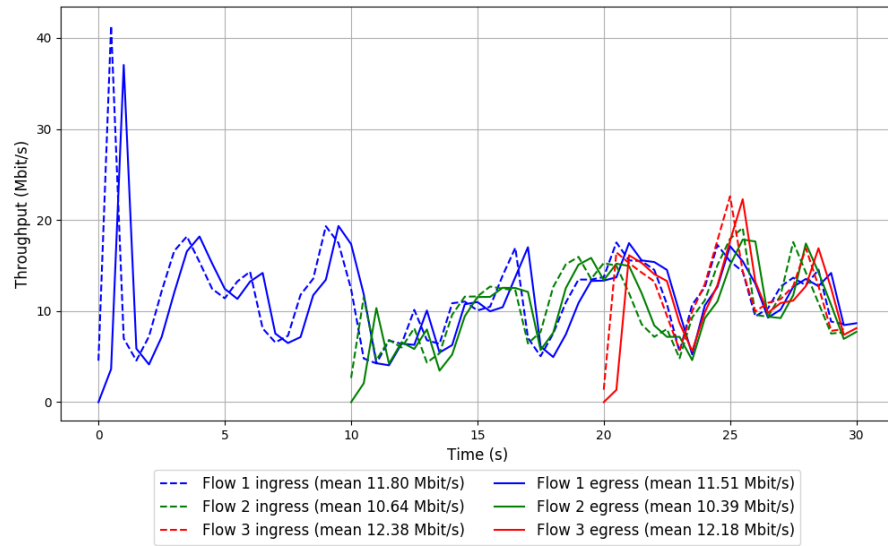


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-17 18:33:24
End at: 2018-07-17 18:33:54
Local clock offset: -1.812 ms
Remote clock offset: 13.253 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 6.212 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 6.120 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 6.101 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 8.451 ms
Loss rate: 1.63%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-17 18:53:35

End at: 2018-07-17 18:54:05

Local clock offset: -7.075 ms

Remote clock offset: 11.19 ms

Below is generated by plot.py at 2018-07-17 20:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.49 Mbit/s

95th percentile per-packet one-way delay: 11.108 ms

Loss rate: 3.45%

-- Flow 1:

Average throughput: 10.84 Mbit/s

95th percentile per-packet one-way delay: 13.858 ms

Loss rate: 3.75%

-- Flow 2:

Average throughput: 9.77 Mbit/s

95th percentile per-packet one-way delay: 9.760 ms

Loss rate: 2.80%

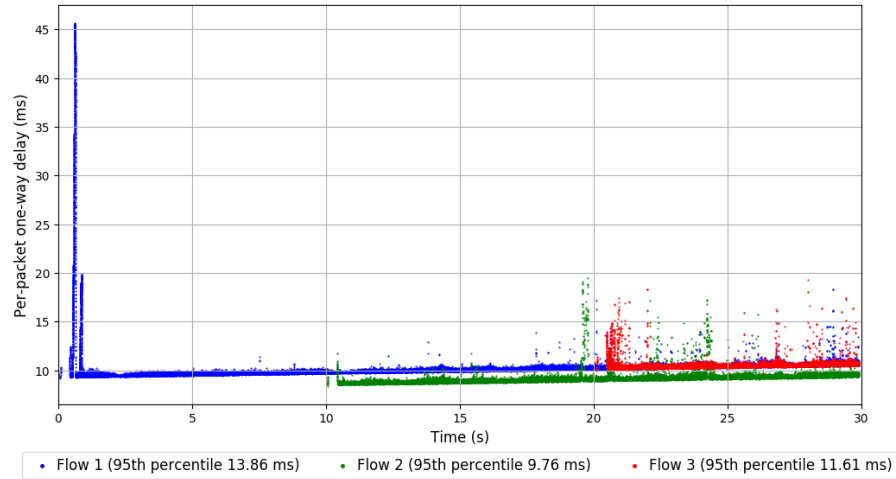
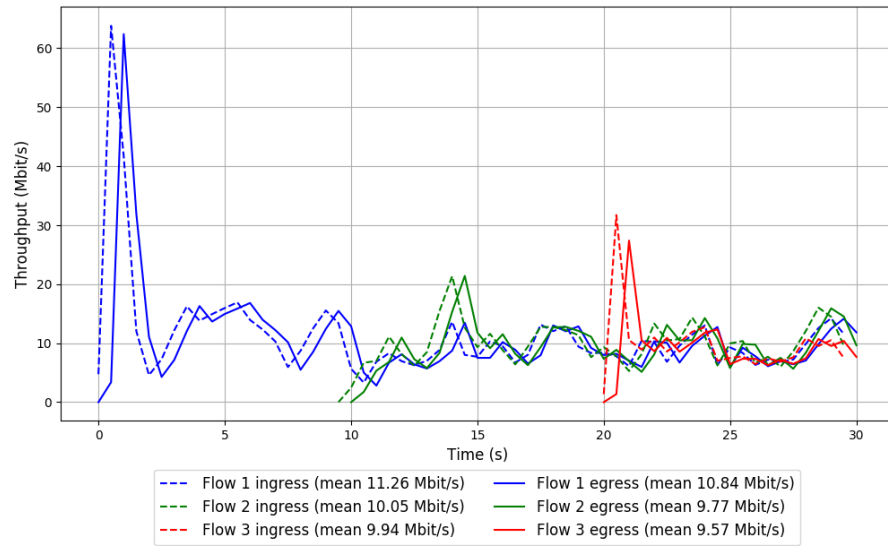
-- Flow 3:

Average throughput: 9.57 Mbit/s

95th percentile per-packet one-way delay: 11.612 ms

Loss rate: 3.75%

Run 7: Report of QUIC Cubic — Data Link

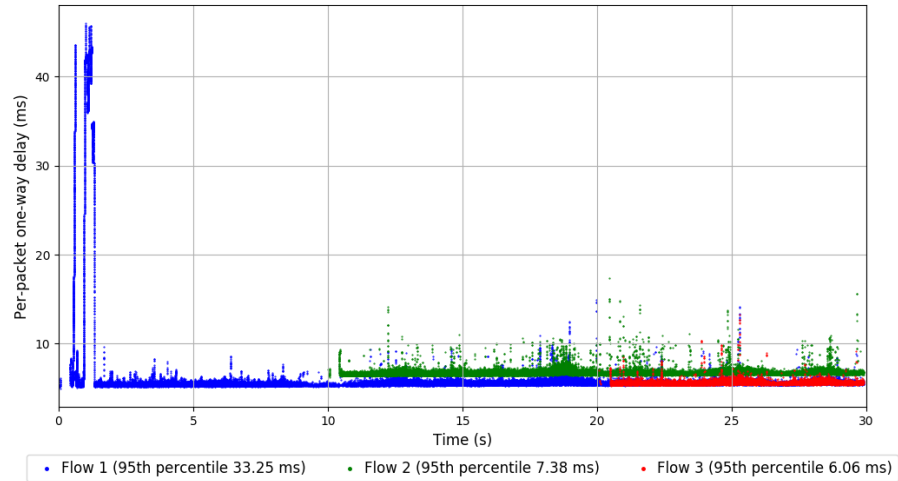
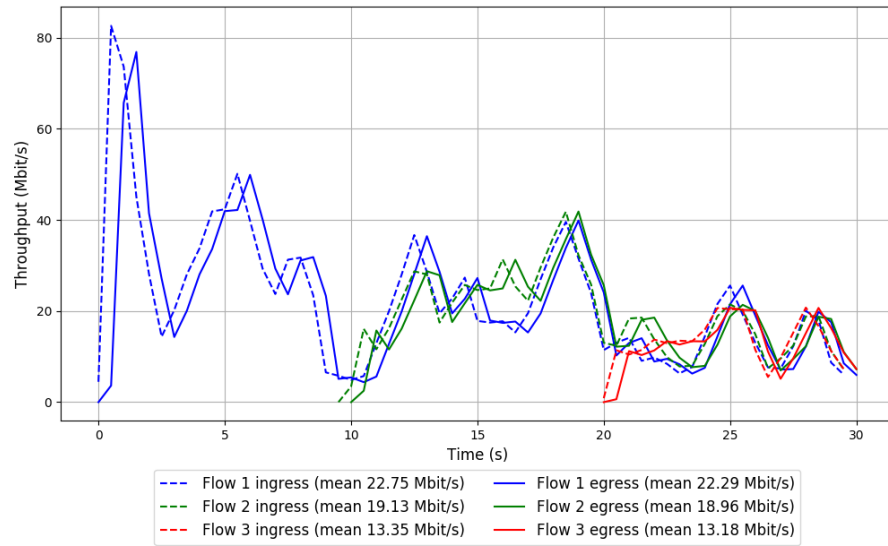


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-17 19:13:53
End at: 2018-07-17 19:14:23
Local clock offset: -6.431 ms
Remote clock offset: -13.161 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 8.233 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: 33.251 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 7.384 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 13.18 Mbit/s
95th percentile per-packet one-way delay: 6.057 ms
Loss rate: 1.34%

Run 8: Report of QUIC Cubic — Data Link

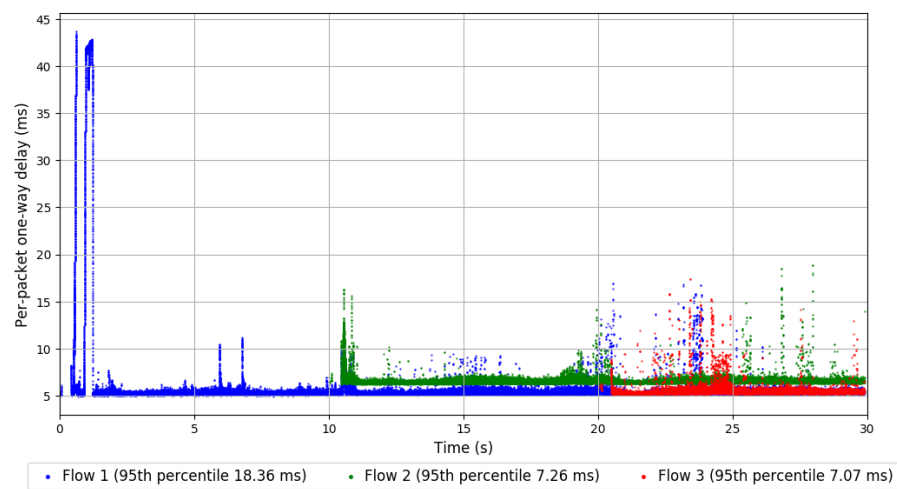
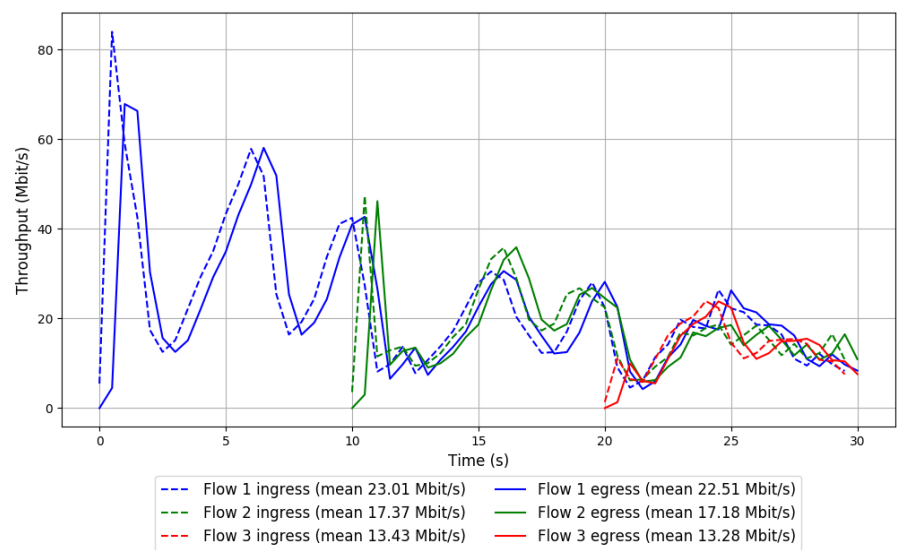


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-17 19:34:28
End at: 2018-07-17 19:34:58
Local clock offset: -3.841 ms
Remote clock offset: -18.137 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 8.712 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: 18.363 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 7.263 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 7.067 ms
Loss rate: 1.08%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-17 19:54:50

End at: 2018-07-17 19:55:20

Local clock offset: -2.336 ms

Remote clock offset: -22.109 ms

Below is generated by plot.py at 2018-07-17 20:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.38 Mbit/s

95th percentile per-packet one-way delay: 13.052 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 30.41 Mbit/s

95th percentile per-packet one-way delay: 12.257 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 21.82 Mbit/s

95th percentile per-packet one-way delay: 11.478 ms

Loss rate: 0.94%

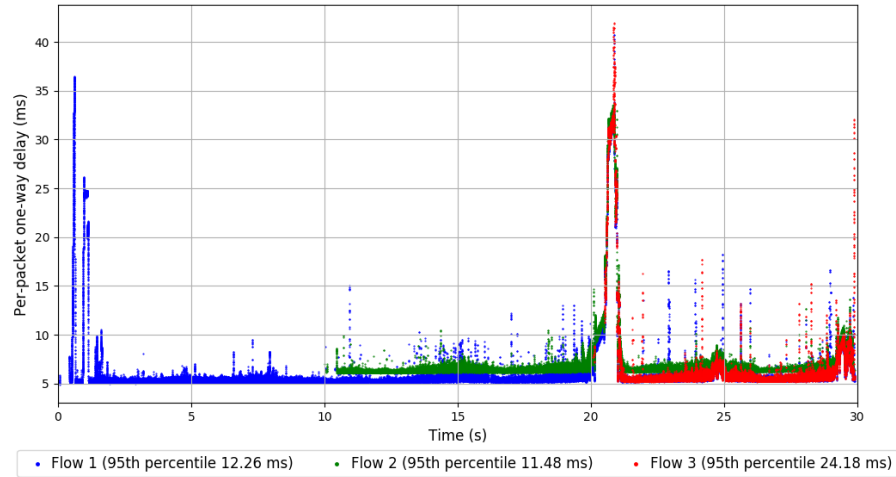
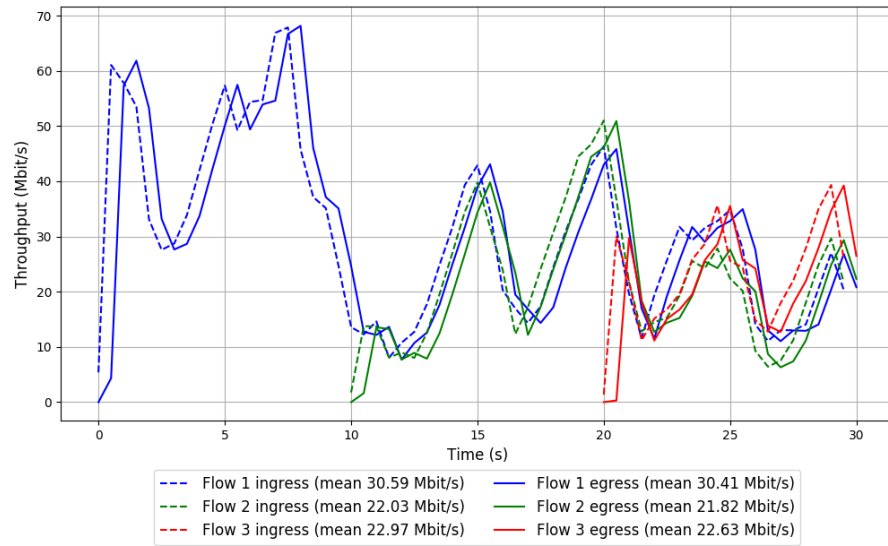
-- Flow 3:

Average throughput: 22.63 Mbit/s

95th percentile per-packet one-way delay: 24.176 ms

Loss rate: 1.46%

Run 10: Report of QUIC Cubic — Data Link

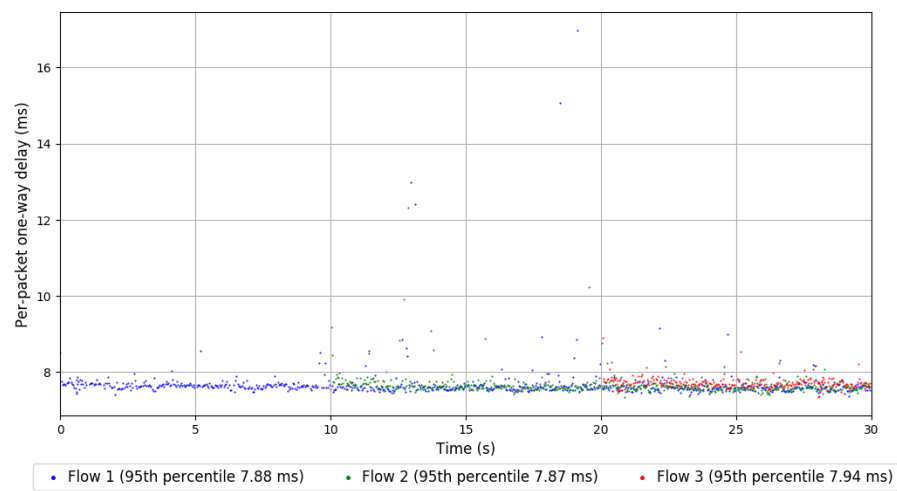
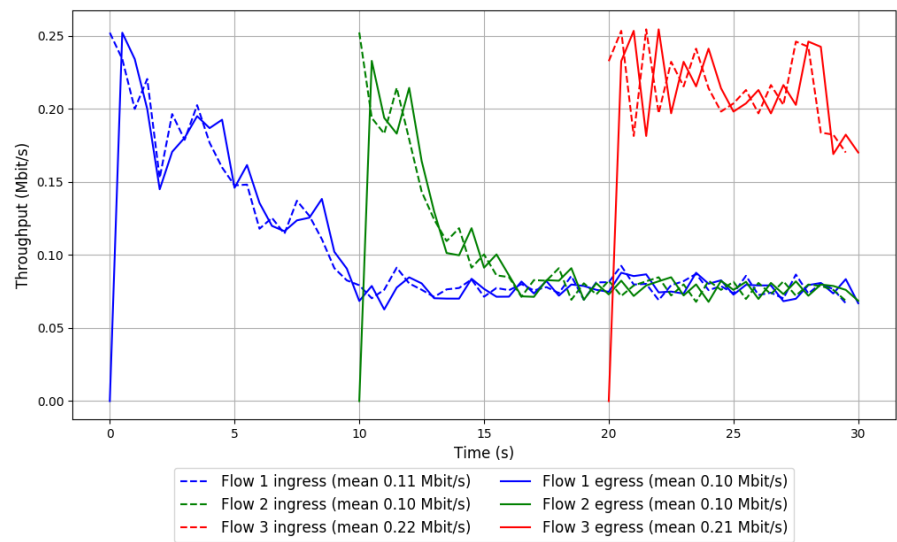


Run 1: Statistics of SCReAM

Start at: 2018-07-17 16:38:54
End at: 2018-07-17 16:39:24
Local clock offset: -0.805 ms
Remote clock offset: -9.592 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 7.881 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 7.881 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 7.866 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.941 ms
Loss rate: 0.35%

Run 1: Report of SReAM — Data Link

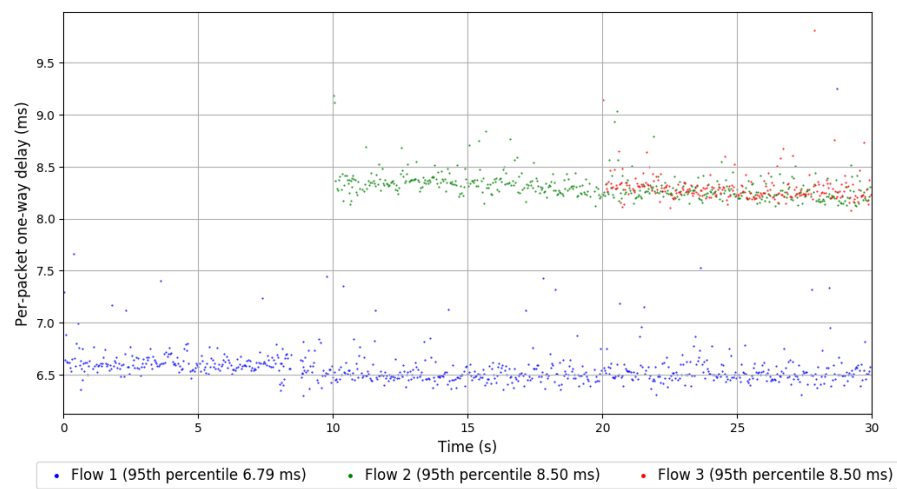
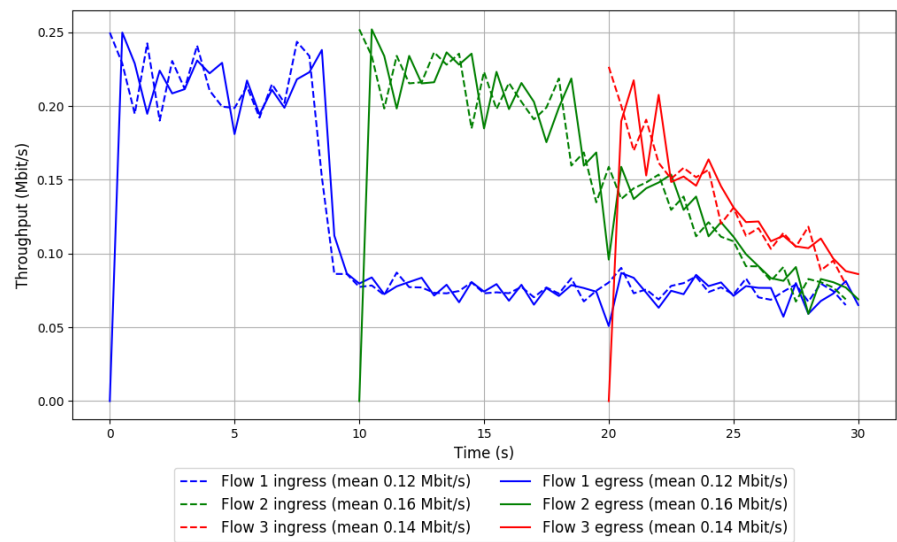


Run 2: Statistics of SCReAM

Start at: 2018-07-17 16:59:12
End at: 2018-07-17 16:59:42
Local clock offset: 0.238 ms
Remote clock offset: -10.722 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 8.418 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 6.792 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 8.502 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 8.500 ms
Loss rate: 1.49%

Run 2: Report of SReAM — Data Link

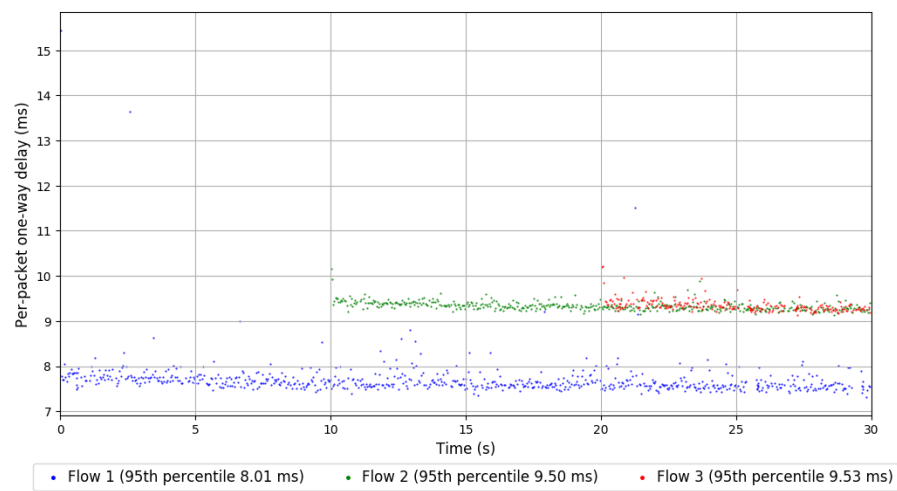
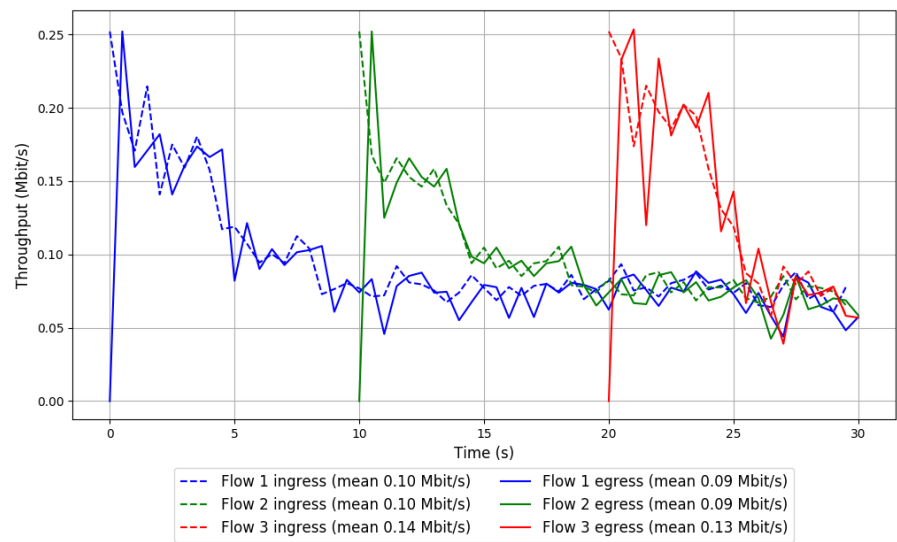


Run 3: Statistics of SCReAM

Start at: 2018-07-17 17:19:36
End at: 2018-07-17 17:20:06
Local clock offset: -0.066 ms
Remote clock offset: -6.603 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 9.467 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 8.008 ms
Loss rate: 5.73%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 9.500 ms
Loss rate: 4.69%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 9.525 ms
Loss rate: 6.38%

Run 3: Report of SReAM — Data Link

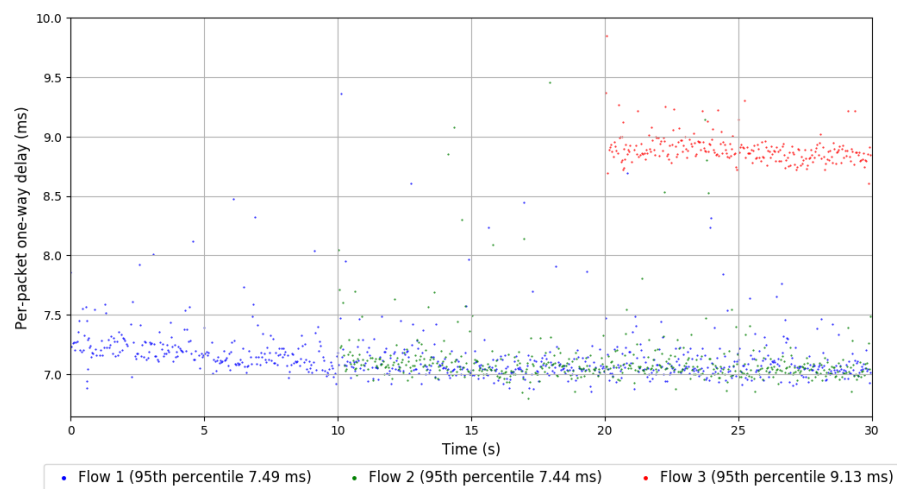
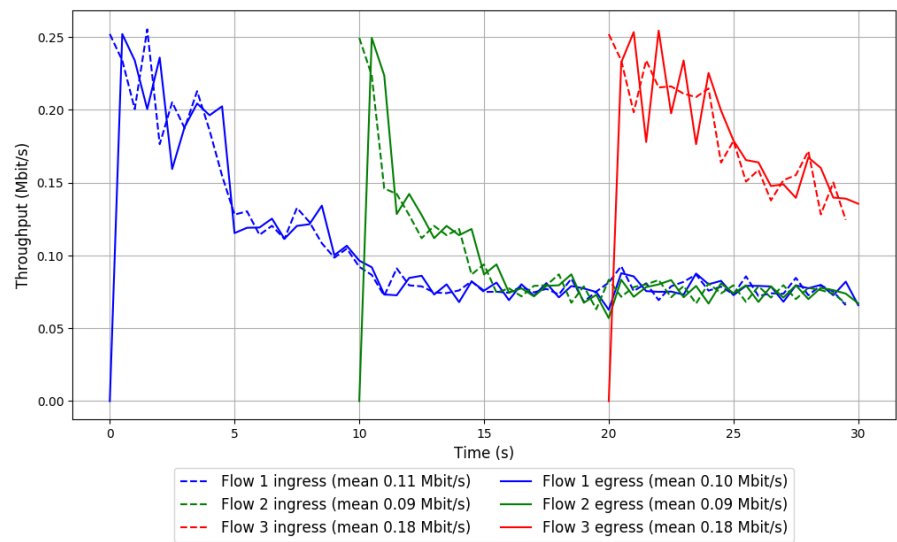


Run 4: Statistics of SCReAM

Start at: 2018-07-17 17:39:42
End at: 2018-07-17 17:40:12
Local clock offset: 0.175 ms
Remote clock offset: -4.086 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 8.924 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 7.485 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.443 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 9.133 ms
Loss rate: 0.50%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-17 17:59:25

End at: 2018-07-17 17:59:55

Local clock offset: 2.316 ms

Remote clock offset: 5.25 ms

Below is generated by plot.py at 2018-07-17 20:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 5.644 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 4.617 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 5.704 ms

Loss rate: 0.35%

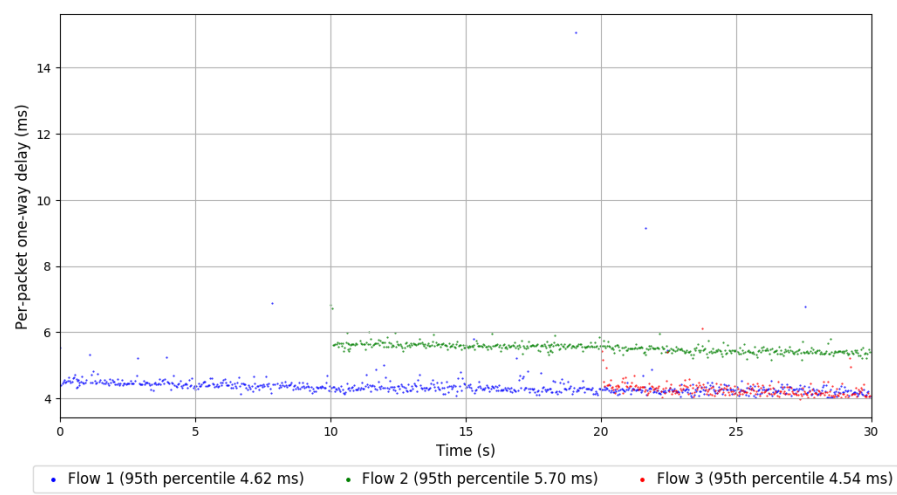
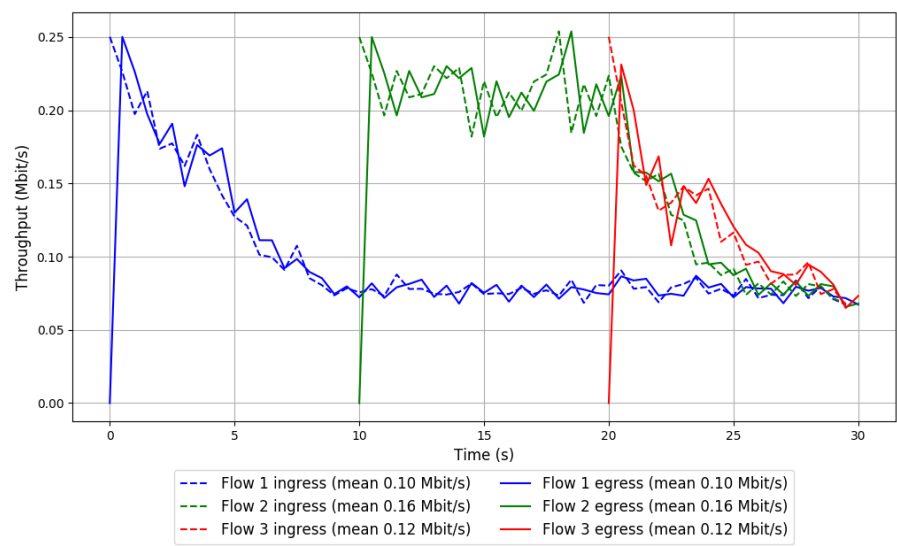
-- Flow 3:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 4.542 ms

Loss rate: 1.77%

Run 5: Report of SReAM — Data Link

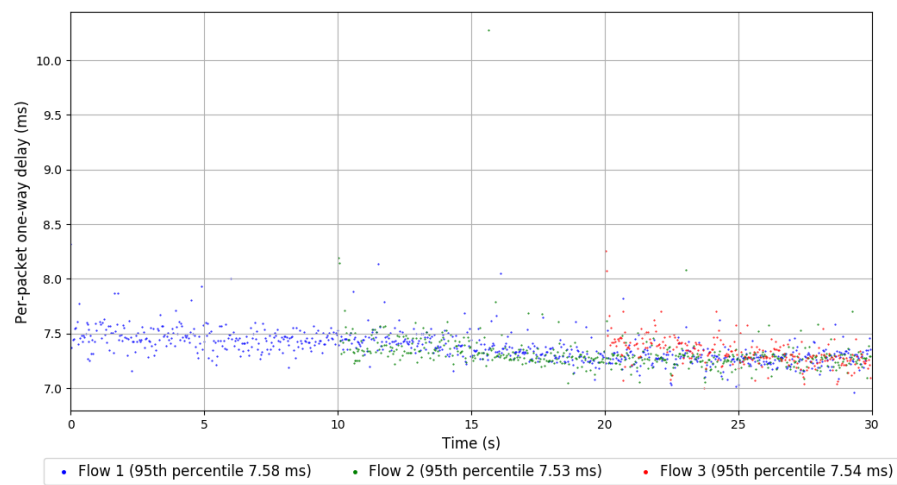
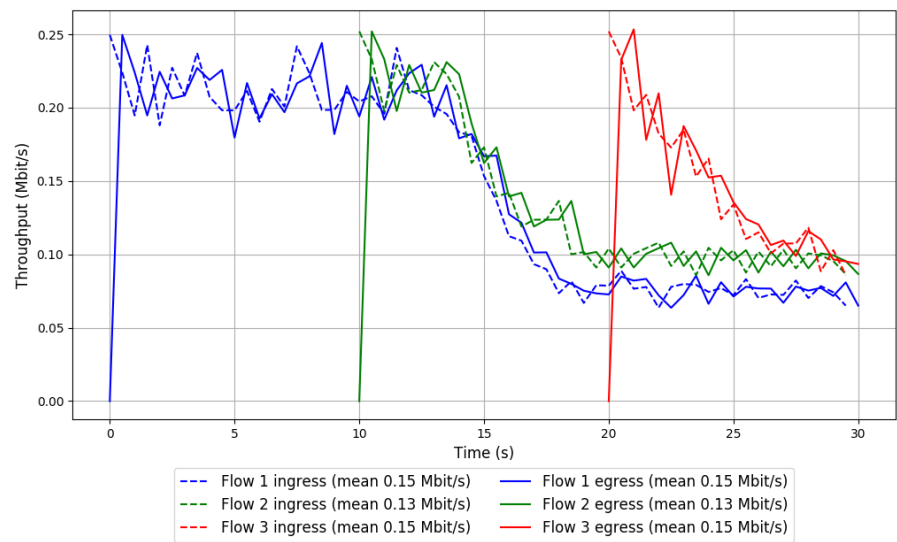


Run 6: Statistics of SCReAM

Start at: 2018-07-17 18:19:19
End at: 2018-07-17 18:19:49
Local clock offset: 0.331 ms
Remote clock offset: 10.183 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 7.564 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 7.581 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 7.526 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 7.543 ms
Loss rate: 2.06%

Run 6: Report of SReAM — Data Link

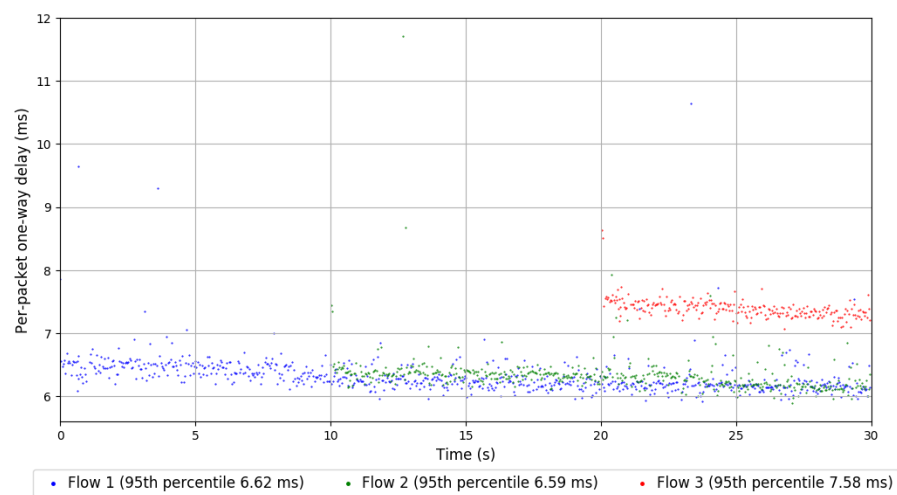
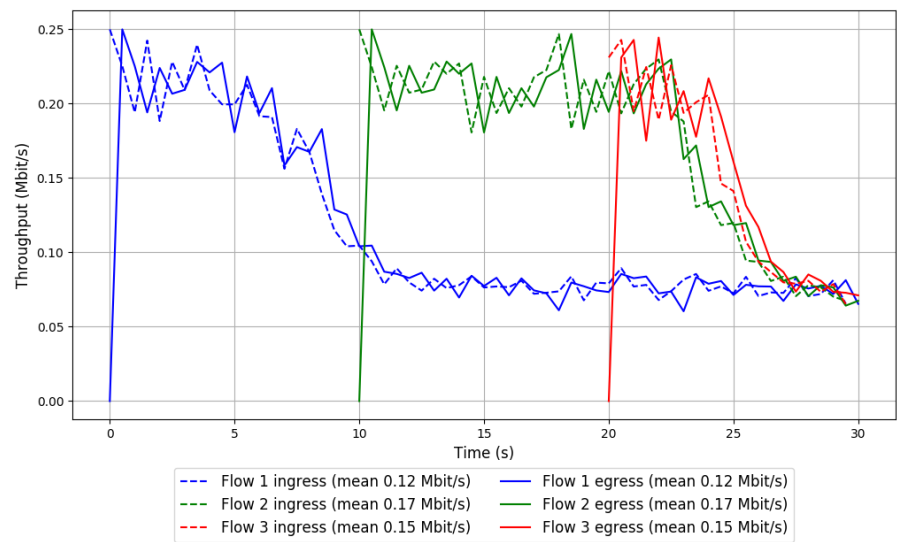


Run 7: Statistics of SReAM

Start at: 2018-07-17 18:39:27
End at: 2018-07-17 18:39:57
Local clock offset: -4.103 ms
Remote clock offset: 15.294 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 7.459 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 6.625 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 6.594 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 7.581 ms
Loss rate: 0.59%

Run 7: Report of SReAM — Data Link

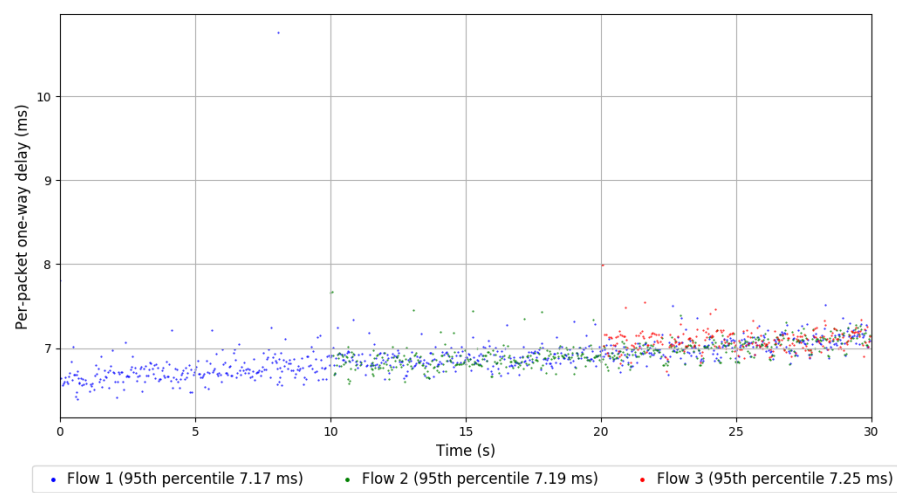
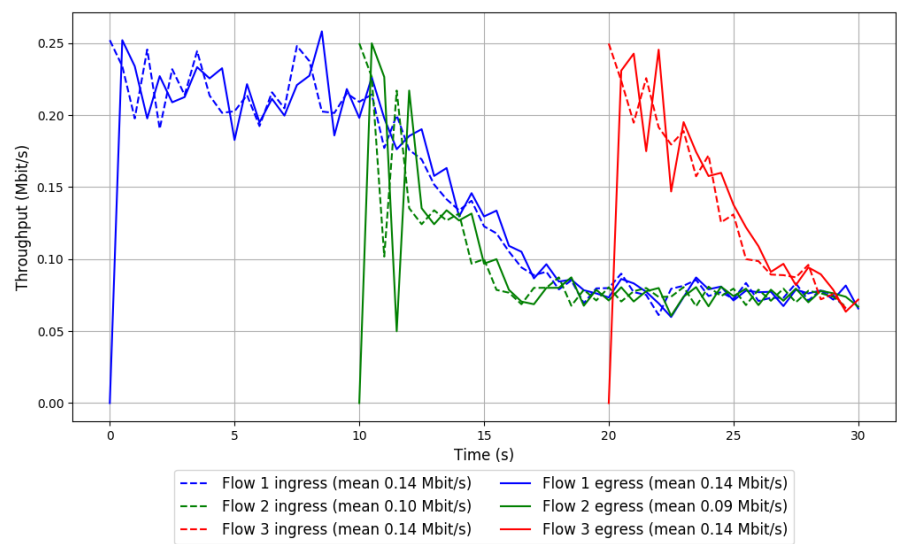


Run 8: Statistics of SCReAM

Start at: 2018-07-17 18:59:40
End at: 2018-07-17 19:00:10
Local clock offset: -6.291 ms
Remote clock offset: -2.201 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 7.210 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 7.174 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.194 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 7.249 ms
Loss rate: 1.76%

Run 8: Report of SReAM — Data Link

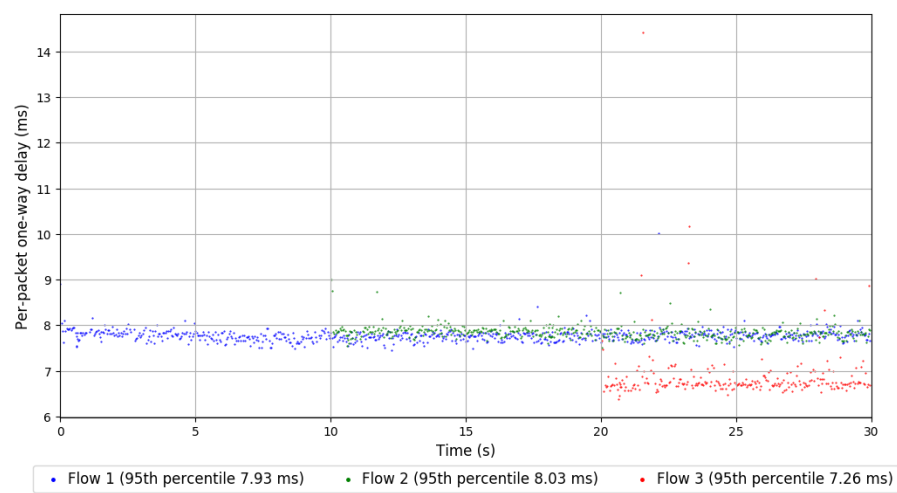
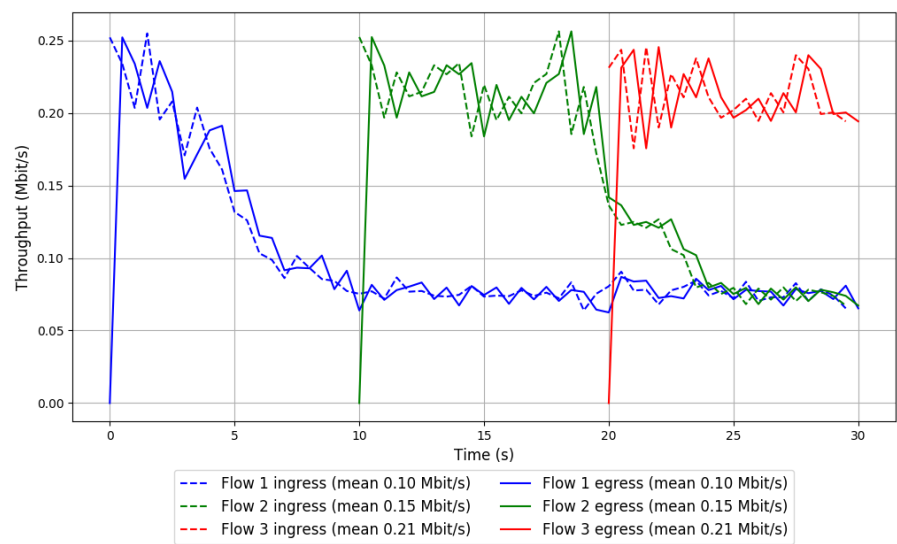


Run 9: Statistics of SCReAM

Start at: 2018-07-17 19:19:59
End at: 2018-07-17 19:20:29
Local clock offset: -7.291 ms
Remote clock offset: -14.935 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 7.978 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 7.935 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 8.026 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.256 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

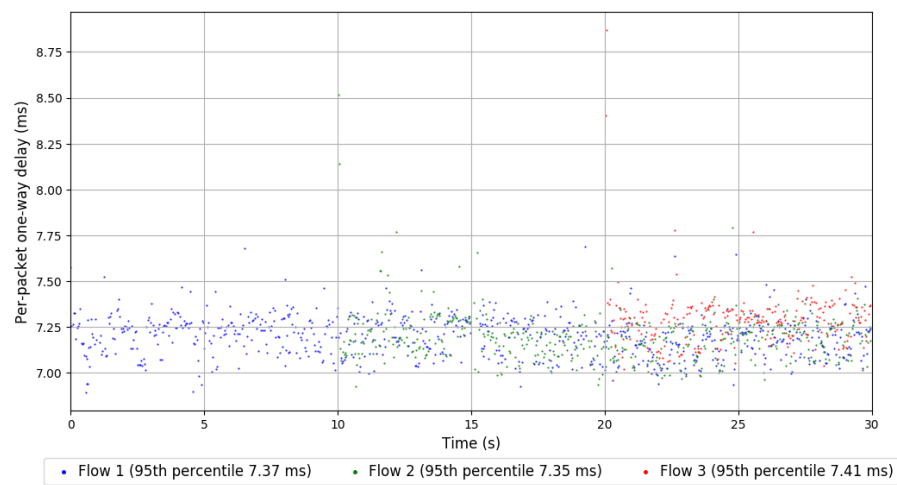
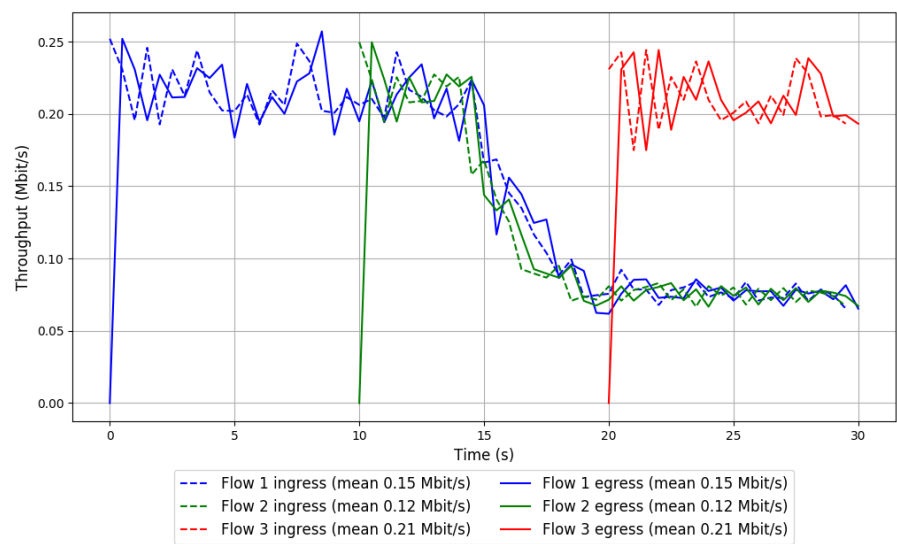


Run 10: Statistics of SReAM

Start at: 2018-07-17 19:40:31
End at: 2018-07-17 19:41:01
Local clock offset: -3.278 ms
Remote clock offset: -18.592 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 7.381 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 7.365 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 7.351 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.412 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

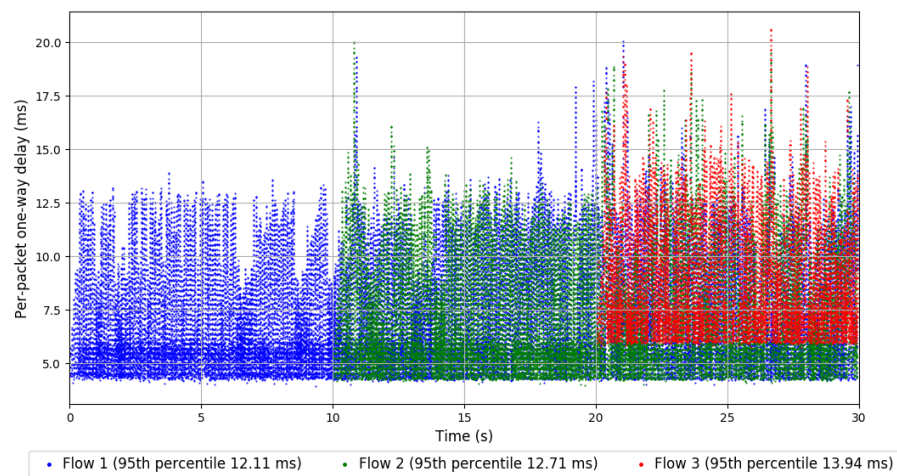
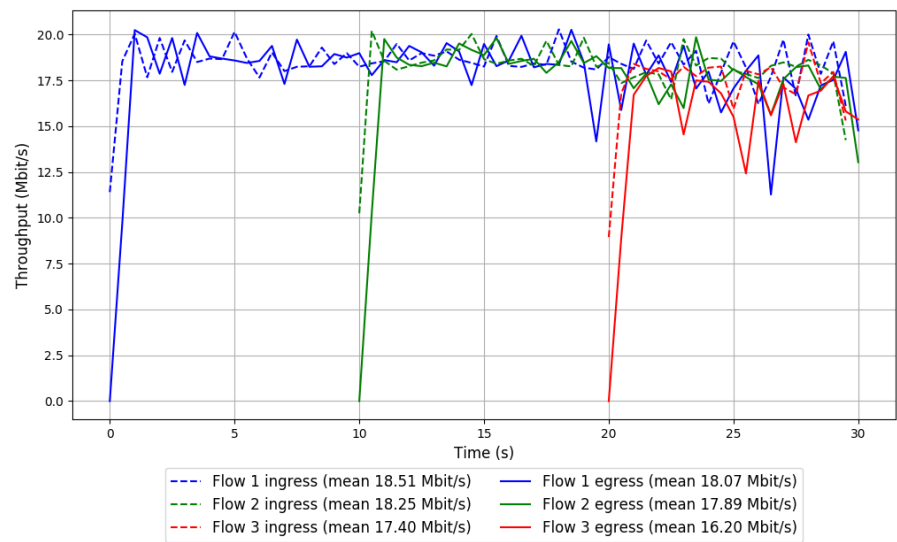


Run 1: Statistics of Sprout

Start at: 2018-07-17 16:52:01
End at: 2018-07-17 16:52:31
Local clock offset: 2.515 ms
Remote clock offset: -10.279 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 12.676 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 18.07 Mbit/s
95th percentile per-packet one-way delay: 12.108 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 17.89 Mbit/s
95th percentile per-packet one-way delay: 12.715 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 13.940 ms
Loss rate: 6.86%

Run 1: Report of Sprout — Data Link

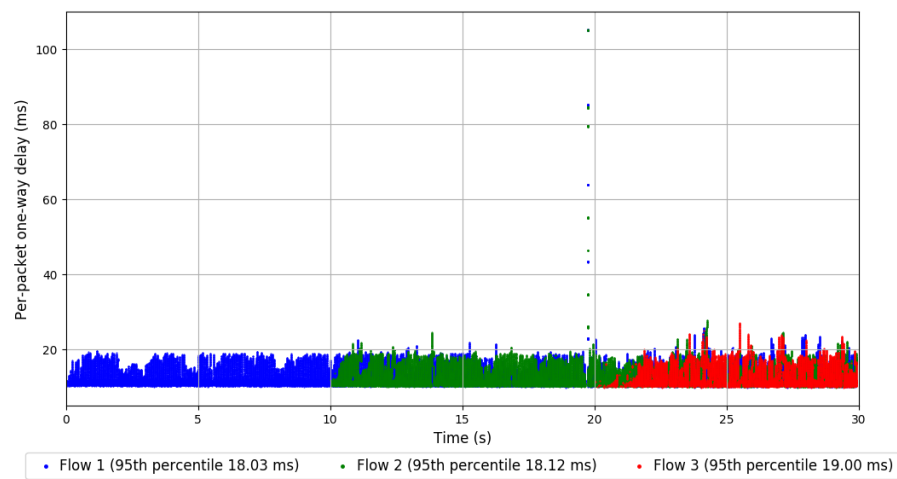
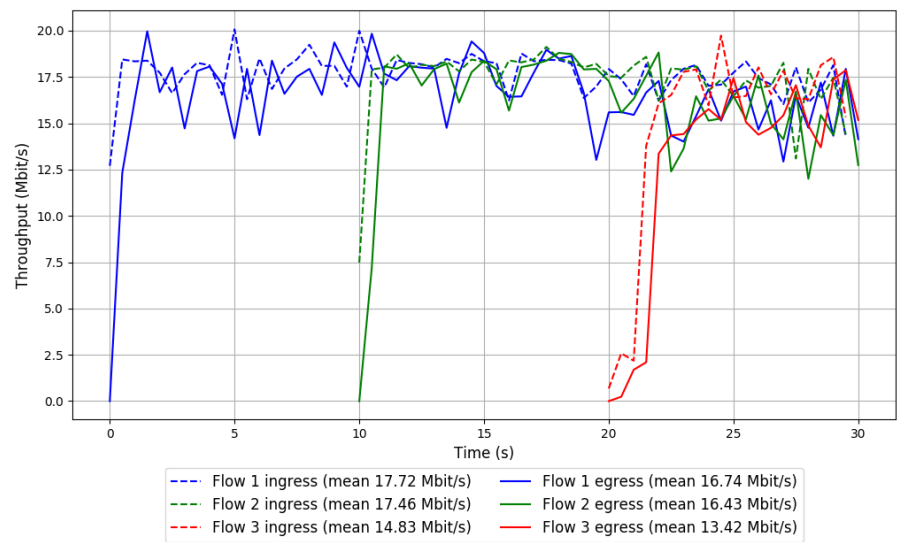


Run 2: Statistics of Sprout

Start at: 2018-07-17 17:12:11
End at: 2018-07-17 17:12:41
Local clock offset: -0.569 ms
Remote clock offset: -8.139 ms

Below is generated by plot.py at 2018-07-17 20:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 18.143 ms
Loss rate: 6.20%
-- Flow 1:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 18.033 ms
Loss rate: 5.50%
-- Flow 2:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 18.117 ms
Loss rate: 5.89%
-- Flow 3:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 18.998 ms
Loss rate: 9.48%

Run 2: Report of Sprout — Data Link

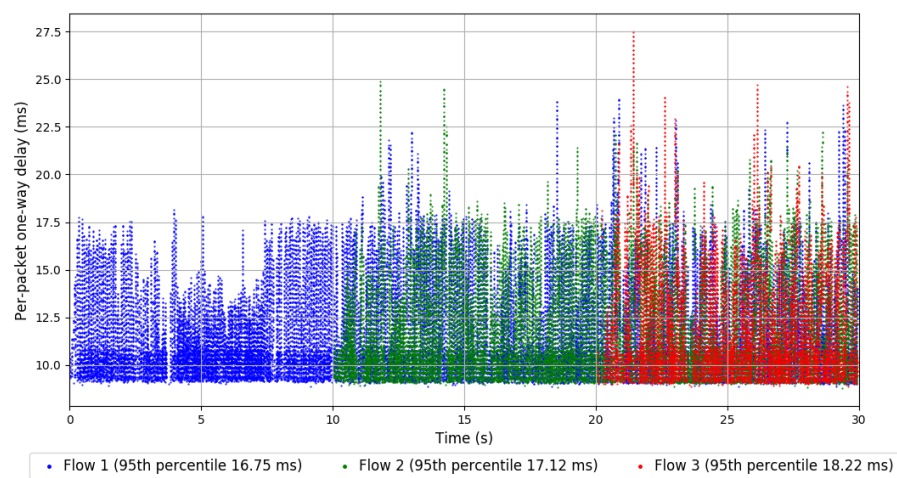
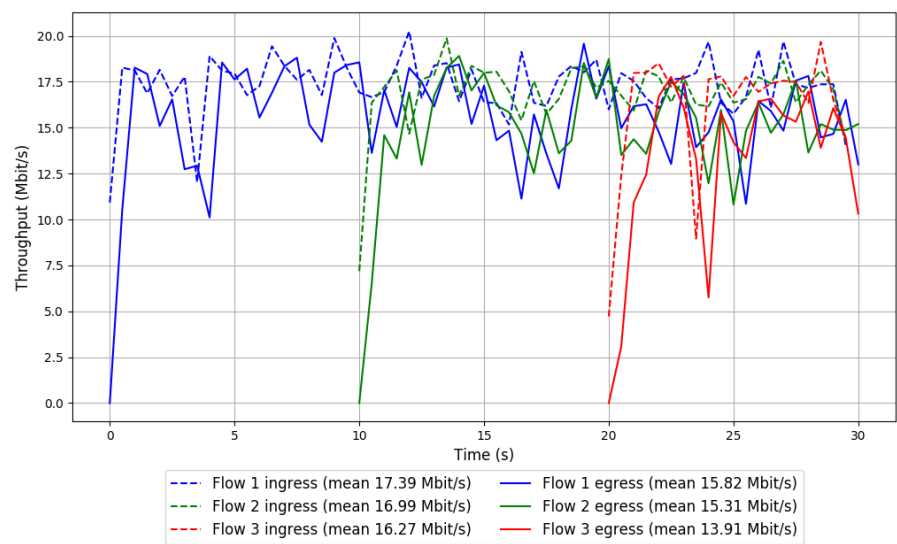


Run 3: Statistics of Sprout

Start at: 2018-07-17 17:32:44
End at: 2018-07-17 17:33:14
Local clock offset: -0.13 ms
Remote clock offset: -4.799 ms

```
# Below is generated by plot.py at 2018-07-17 20:13:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 17.039 ms
Loss rate: 10.18%
-- Flow 1:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 16.754 ms
Loss rate: 9.02%
-- Flow 2:
Average throughput: 15.31 Mbit/s
95th percentile per-packet one-way delay: 17.123 ms
Loss rate: 9.90%
-- Flow 3:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 18.217 ms
Loss rate: 14.53%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-17 17:52:31

End at: 2018-07-17 17:53:01

Local clock offset: 1.28 ms

Remote clock offset: 2.807 ms

Below is generated by plot.py at 2018-07-17 20:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.83 Mbit/s

95th percentile per-packet one-way delay: 15.771 ms

Loss rate: 9.75%

-- Flow 1:

Average throughput: 18.12 Mbit/s

95th percentile per-packet one-way delay: 15.012 ms

Loss rate: 9.21%

-- Flow 2:

Average throughput: 17.01 Mbit/s

95th percentile per-packet one-way delay: 16.013 ms

Loss rate: 10.86%

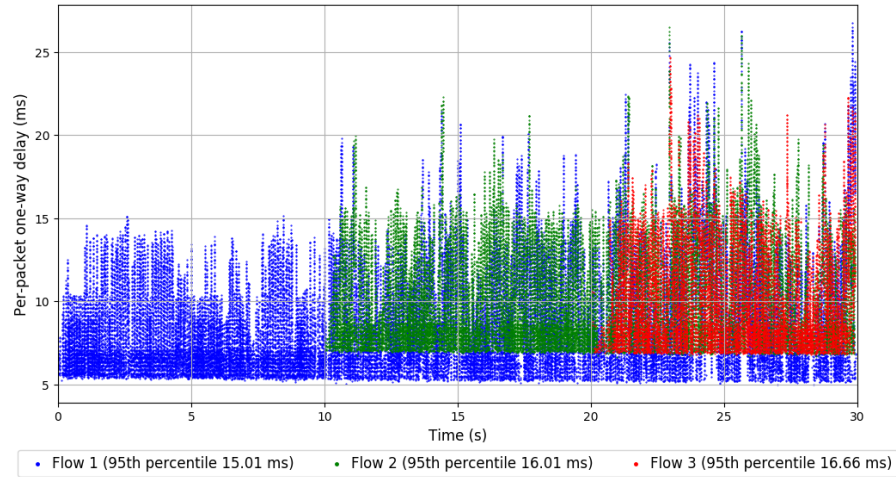
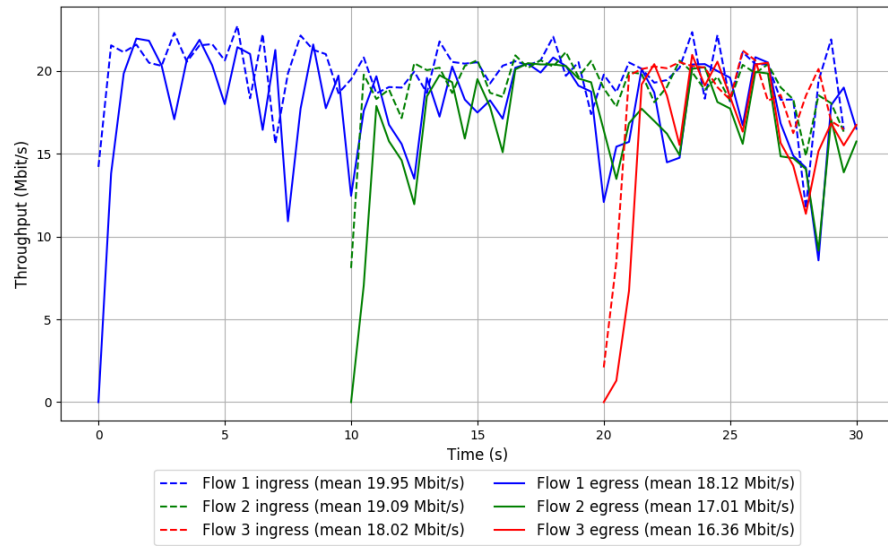
-- Flow 3:

Average throughput: 16.36 Mbit/s

95th percentile per-packet one-way delay: 16.665 ms

Loss rate: 9.16%

Run 4: Report of Sprout — Data Link

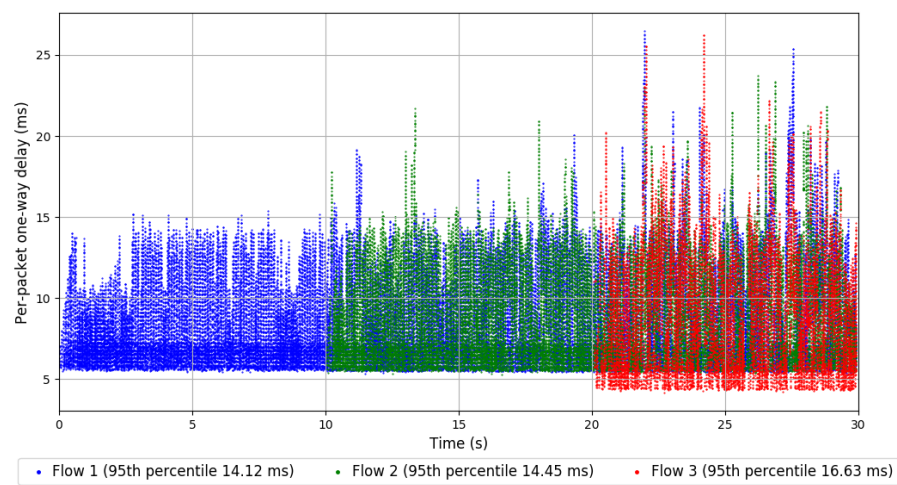
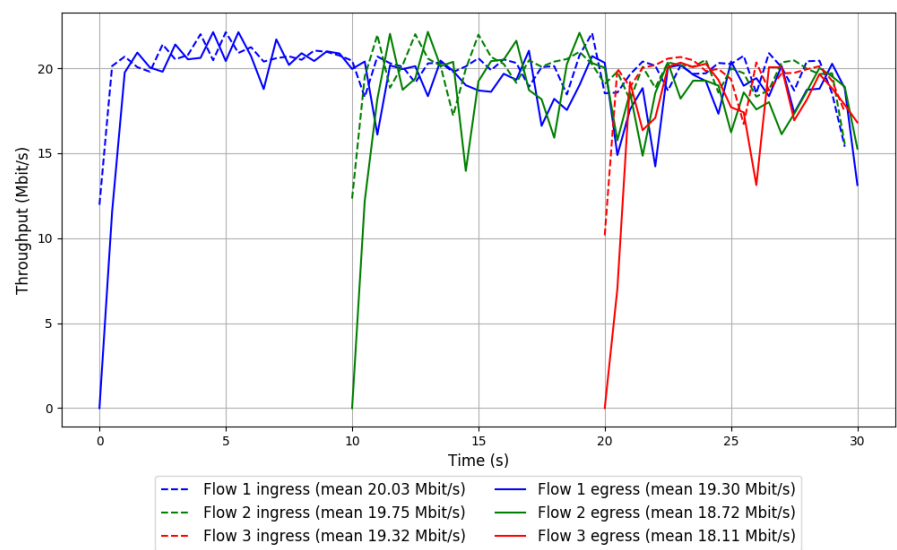


Run 5: Statistics of Sprout

Start at: 2018-07-17 18:12:04
End at: 2018-07-17 18:12:34
Local clock offset: 1.807 ms
Remote clock offset: 8.332 ms

```
# Below is generated by plot.py at 2018-07-17 20:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 14.655 ms
Loss rate: 4.67%
-- Flow 1:
Average throughput: 19.30 Mbit/s
95th percentile per-packet one-way delay: 14.125 ms
Loss rate: 3.65%
-- Flow 2:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 14.450 ms
Loss rate: 5.23%
-- Flow 3:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 16.627 ms
Loss rate: 6.75%
```

Run 5: Report of Sprout — Data Link

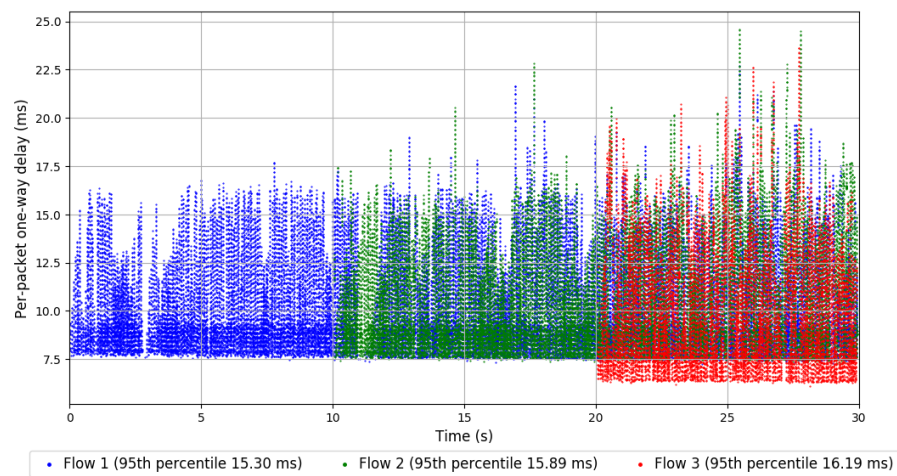
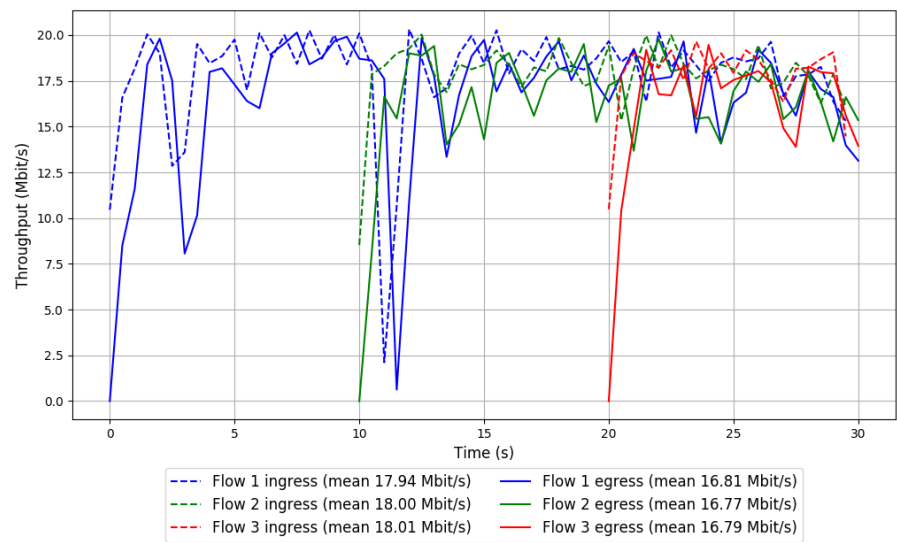


Run 6: Statistics of Sprout

Start at: 2018-07-17 18:32:15
End at: 2018-07-17 18:32:45
Local clock offset: -3.007 ms
Remote clock offset: 13.397 ms

```
# Below is generated by plot.py at 2018-07-17 20:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 15.597 ms
Loss rate: 6.57%
-- Flow 1:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 15.298 ms
Loss rate: 6.32%
-- Flow 2:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 15.888 ms
Loss rate: 6.82%
-- Flow 3:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 16.189 ms
Loss rate: 6.79%
```


Run 6: Report of Sprout — Data Link

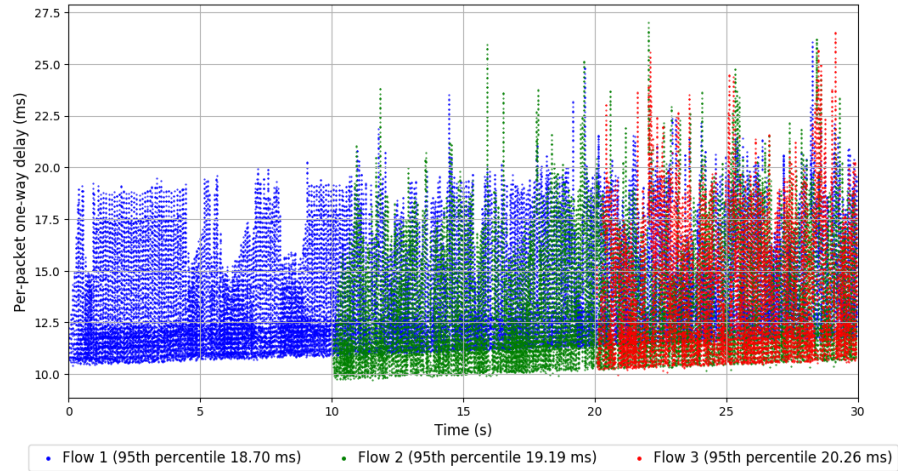
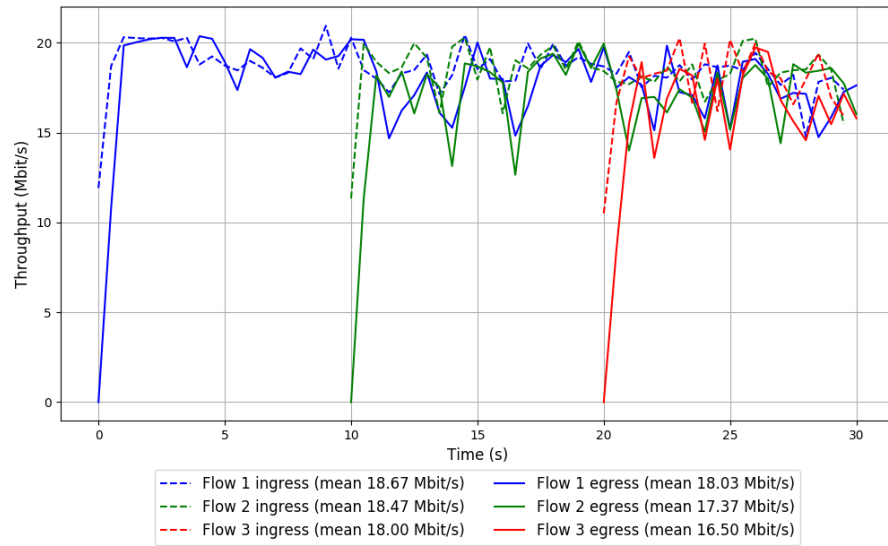


Run 7: Statistics of Sprout

Start at: 2018-07-17 18:52:26
End at: 2018-07-17 18:52:56
Local clock offset: -9.695 ms
Remote clock offset: 12.744 ms

```
# Below is generated by plot.py at 2018-07-17 20:14:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 19.016 ms
Loss rate: 5.03%
-- Flow 1:
Average throughput: 18.03 Mbit/s
95th percentile per-packet one-way delay: 18.700 ms
Loss rate: 3.42%
-- Flow 2:
Average throughput: 17.37 Mbit/s
95th percentile per-packet one-way delay: 19.191 ms
Loss rate: 5.93%
-- Flow 3:
Average throughput: 16.50 Mbit/s
95th percentile per-packet one-way delay: 20.258 ms
Loss rate: 8.23%
```

Run 7: Report of Sprout — Data Link

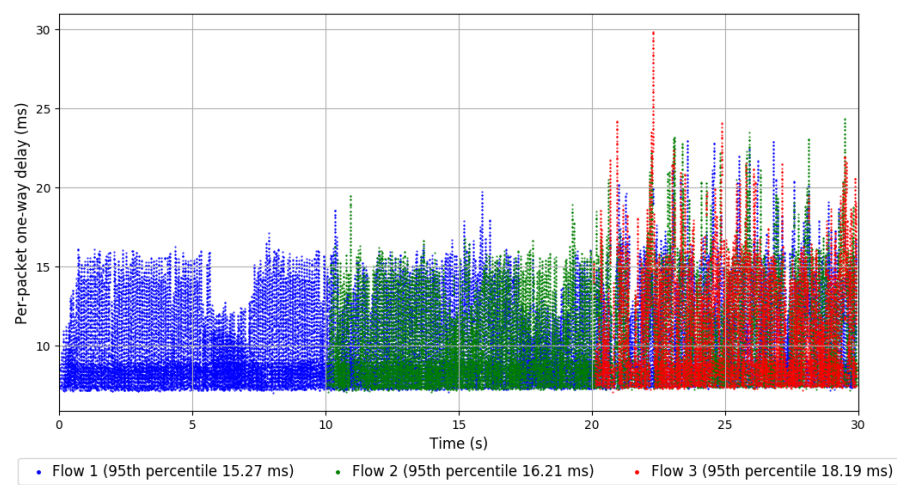
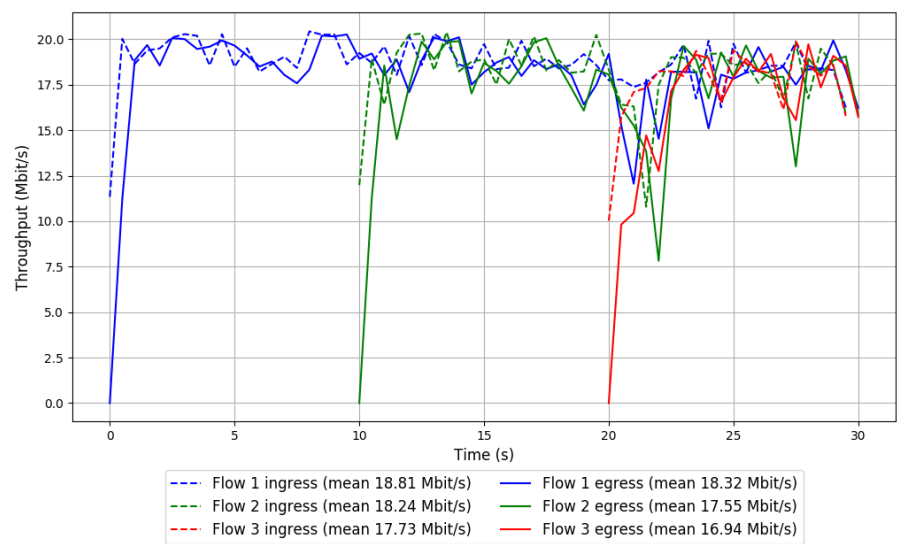


Run 8: Statistics of Sprout

Start at: 2018-07-17 19:12:43
End at: 2018-07-17 19:13:13
Local clock offset: -6.766 ms
Remote clock offset: -12.215 ms

Below is generated by plot.py at 2018-07-17 20:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 15.951 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 15.269 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 16.206 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 18.189 ms
Loss rate: 4.36%

Run 8: Report of Sprout — Data Link

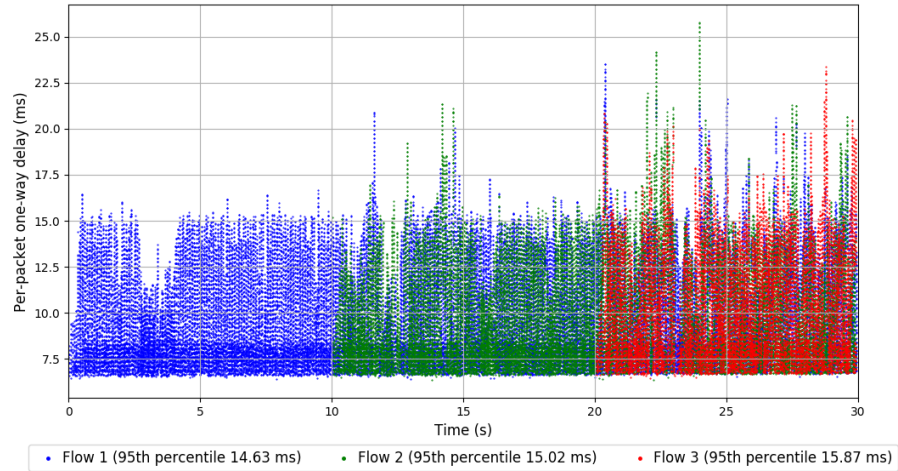
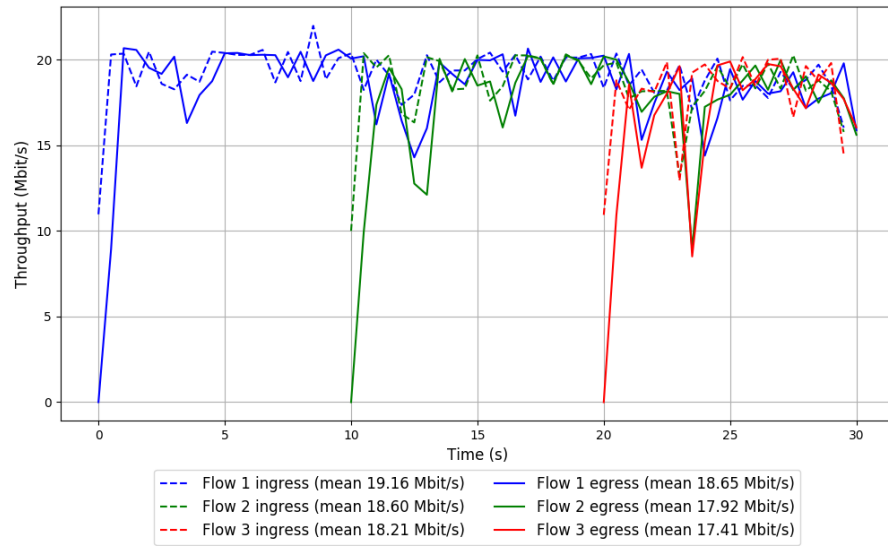


Run 9: Statistics of Sprout

Start at: 2018-07-17 19:33:18
End at: 2018-07-17 19:33:48
Local clock offset: -4.667 ms
Remote clock offset: -17.153 ms

Below is generated by plot.py at 2018-07-17 20:14:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 14.899 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 18.65 Mbit/s
95th percentile per-packet one-way delay: 14.626 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 17.92 Mbit/s
95th percentile per-packet one-way delay: 15.021 ms
Loss rate: 3.68%
-- Flow 3:
Average throughput: 17.41 Mbit/s
95th percentile per-packet one-way delay: 15.868 ms
Loss rate: 4.38%

Run 9: Report of Sprout — Data Link

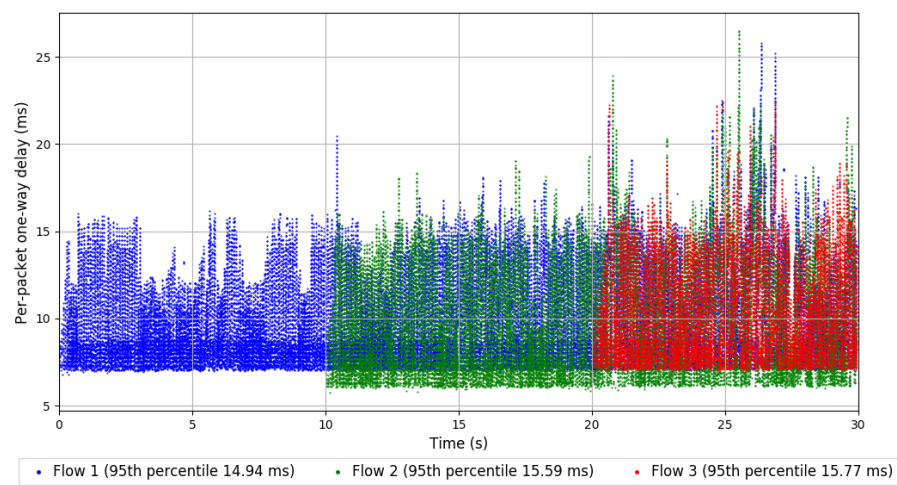
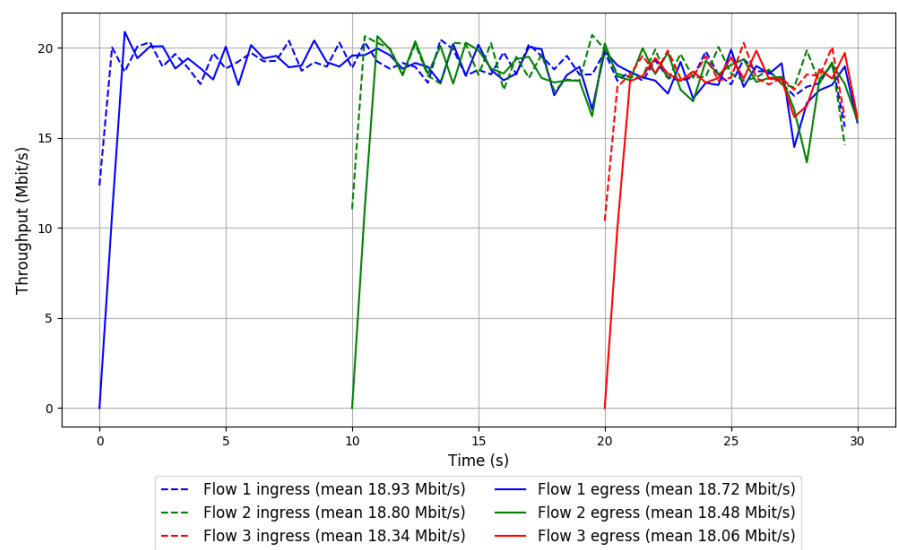


Run 10: Statistics of Sprout

Start at: 2018-07-17 19:53:42
End at: 2018-07-17 19:54:12
Local clock offset: -1.412 ms
Remote clock offset: -20.009 ms

Below is generated by plot.py at 2018-07-17 20:14:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 15.267 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 14.941 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 18.48 Mbit/s
95th percentile per-packet one-way delay: 15.593 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 15.769 ms
Loss rate: 1.47%

Run 10: Report of Sprout — Data Link

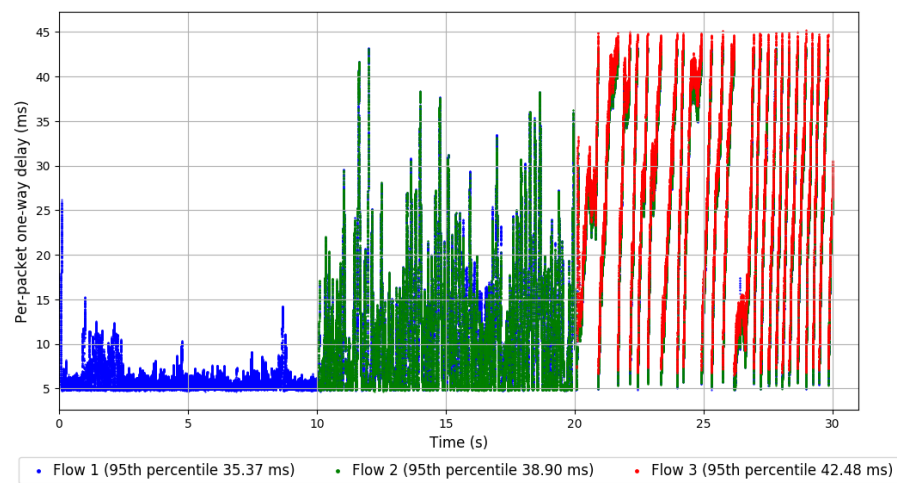
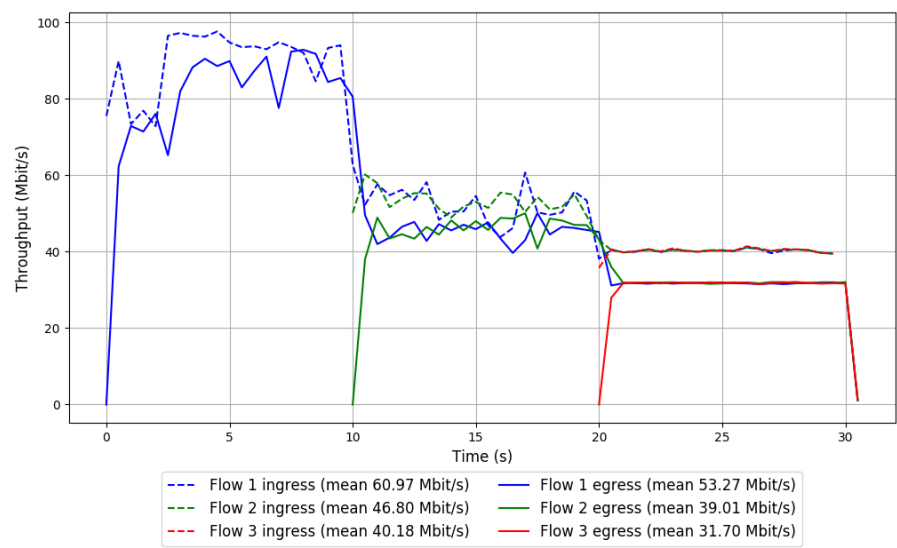


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-17 16:50:41
End at: 2018-07-17 16:51:11
Local clock offset: 0.823 ms
Remote clock offset: -11.313 ms

# Below is generated by plot.py at 2018-07-17 20:15:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 38.908 ms
Loss rate: 14.81%
-- Flow 1:
Average throughput: 53.27 Mbit/s
95th percentile per-packet one-way delay: 35.371 ms
Loss rate: 12.56%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 38.903 ms
Loss rate: 16.56%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 42.476 ms
Loss rate: 20.97%
```

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

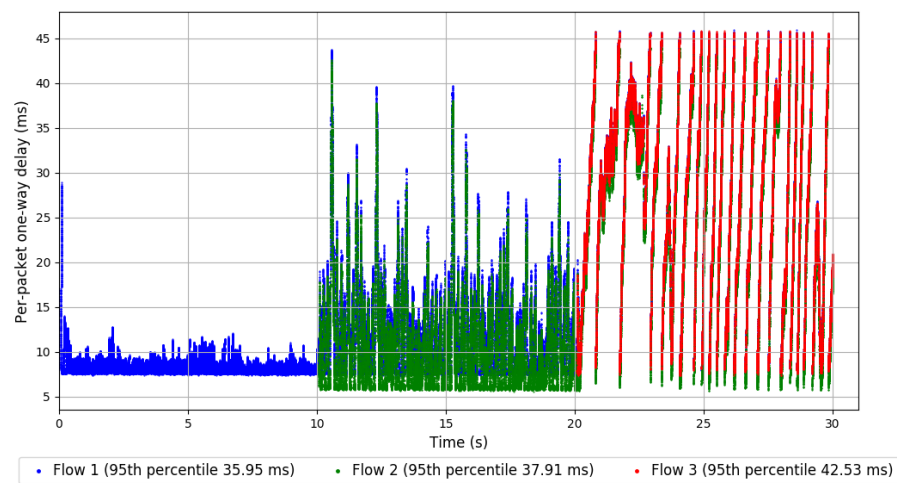
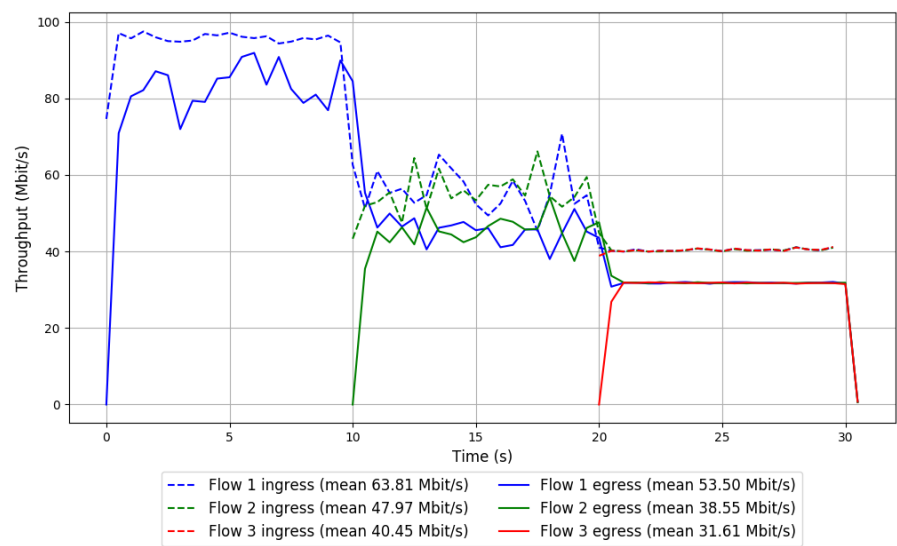


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-17 17:10:54
End at: 2018-07-17 17:11:24
Local clock offset: 1.951 ms
Remote clock offset: -8.819 ms

Below is generated by plot.py at 2018-07-17 20:15:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 38.484 ms
Loss rate: 17.83%
-- Flow 1:
Average throughput: 53.50 Mbit/s
95th percentile per-packet one-way delay: 35.954 ms
Loss rate: 16.12%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 37.914 ms
Loss rate: 19.60%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 42.529 ms
Loss rate: 21.75%

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

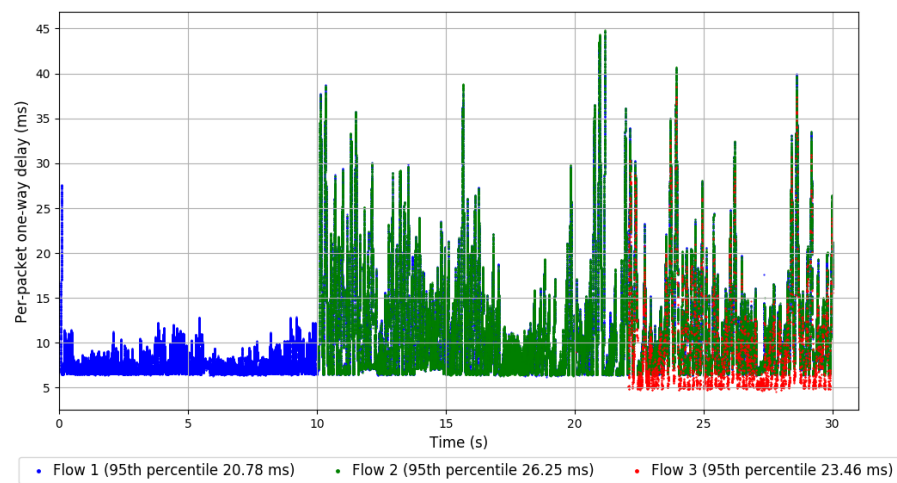
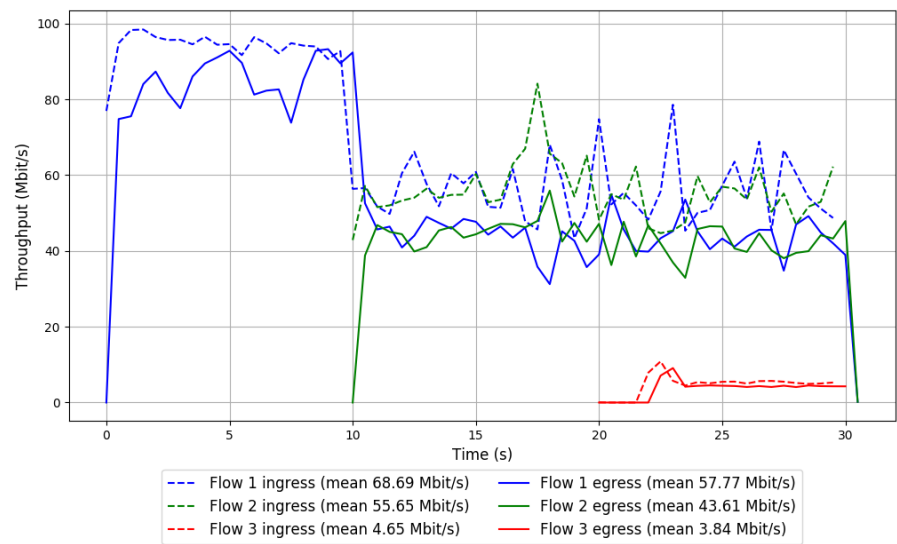


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-17 17:31:21
End at: 2018-07-17 17:31:51
Local clock offset: 2.582 ms
Remote clock offset: -4.898 ms

Below is generated by plot.py at 2018-07-17 20:15:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 23.170 ms
Loss rate: 17.88%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 20.784 ms
Loss rate: 15.88%
-- Flow 2:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 26.247 ms
Loss rate: 21.61%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 23.456 ms
Loss rate: 17.40%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-17 17:51:18

End at: 2018-07-17 17:51:48

Local clock offset: 0.906 ms

Remote clock offset: 1.684 ms

Below is generated by plot.py at 2018-07-17 20:15:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 36.256 ms

Loss rate: 19.47%

-- Flow 1:

Average throughput: 50.67 Mbit/s

95th percentile per-packet one-way delay: 28.388 ms

Loss rate: 18.34%

-- Flow 2:

Average throughput: 39.03 Mbit/s

95th percentile per-packet one-way delay: 38.382 ms

Loss rate: 20.41%

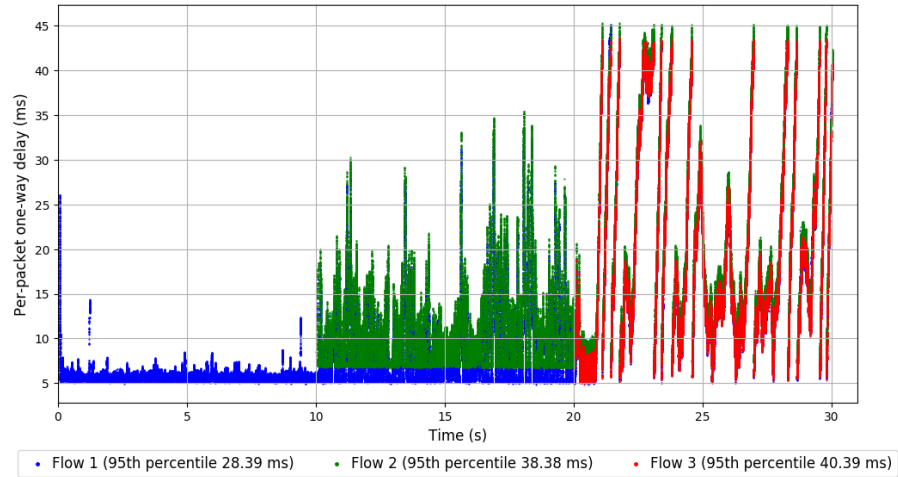
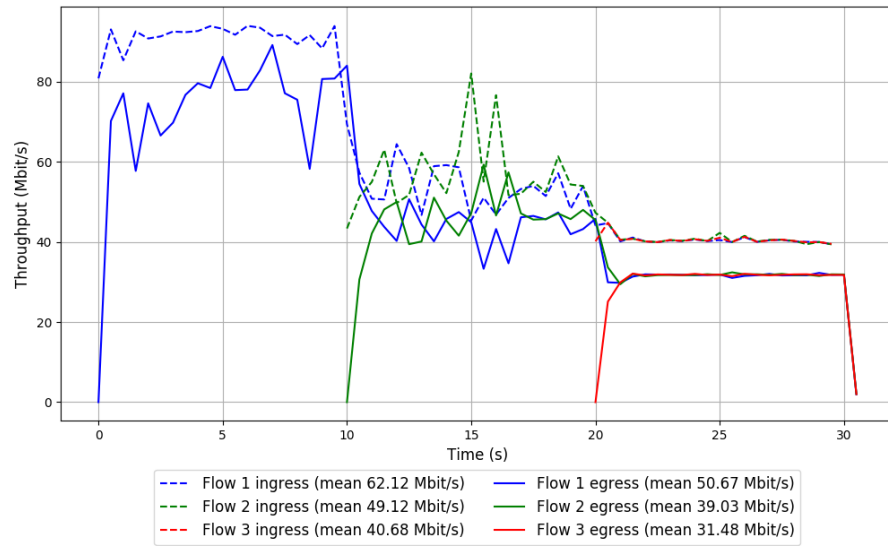
-- Flow 3:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 40.392 ms

Loss rate: 22.36%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-17 18:10:51

End at: 2018-07-17 18:11:21

Local clock offset: -0.886 ms

Remote clock offset: 8.759 ms

Below is generated by plot.py at 2018-07-17 20:16:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.84 Mbit/s

95th percentile per-packet one-way delay: 29.354 ms

Loss rate: 14.23%

-- Flow 1:

Average throughput: 43.97 Mbit/s

95th percentile per-packet one-way delay: 24.240 ms

Loss rate: 13.85%

-- Flow 2:

Average throughput: 45.19 Mbit/s

95th percentile per-packet one-way delay: 31.878 ms

Loss rate: 14.77%

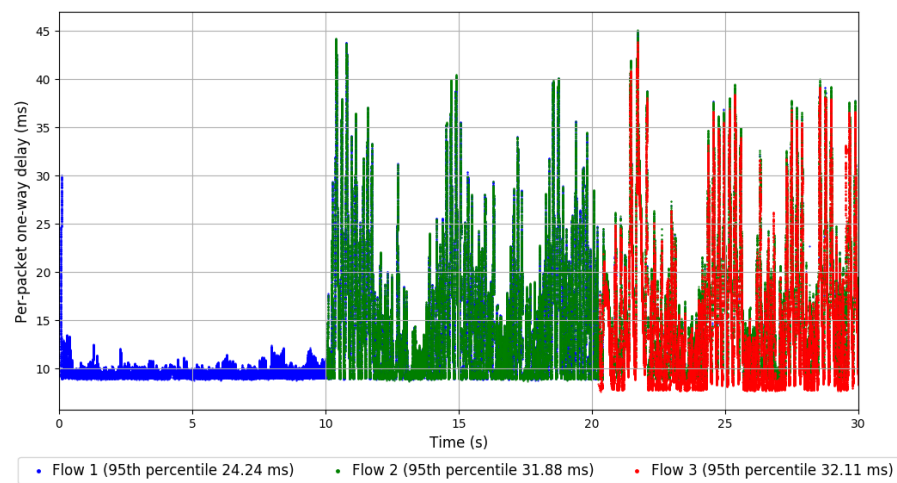
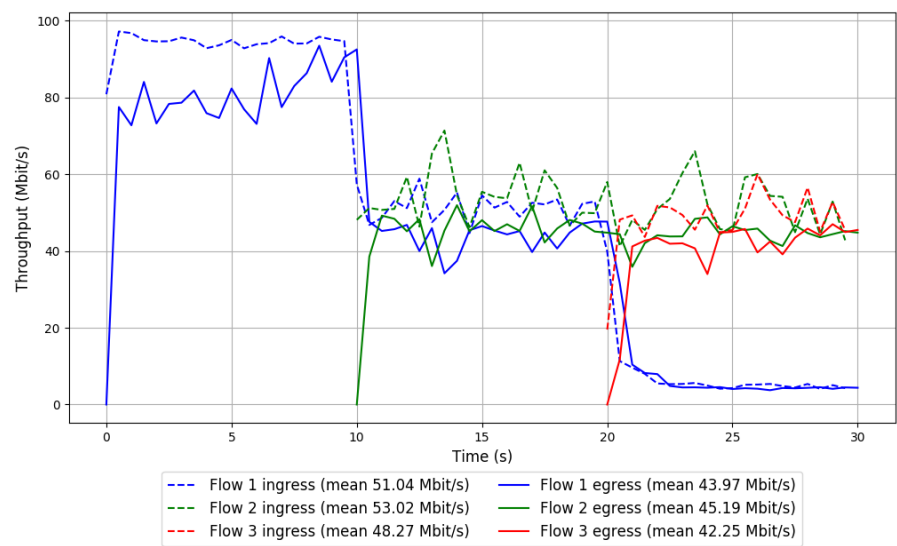
-- Flow 3:

Average throughput: 42.25 Mbit/s

95th percentile per-packet one-way delay: 32.108 ms

Loss rate: 14.22%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-17 18:30:52

End at: 2018-07-17 18:31:22

Local clock offset: -3.955 ms

Remote clock offset: 13.02 ms

Below is generated by plot.py at 2018-07-17 20:16:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 37.240 ms

Loss rate: 20.31%

-- Flow 1:

Average throughput: 52.35 Mbit/s

95th percentile per-packet one-way delay: 31.679 ms

Loss rate: 18.73%

-- Flow 2:

Average throughput: 38.17 Mbit/s

95th percentile per-packet one-way delay: 38.123 ms

Loss rate: 22.09%

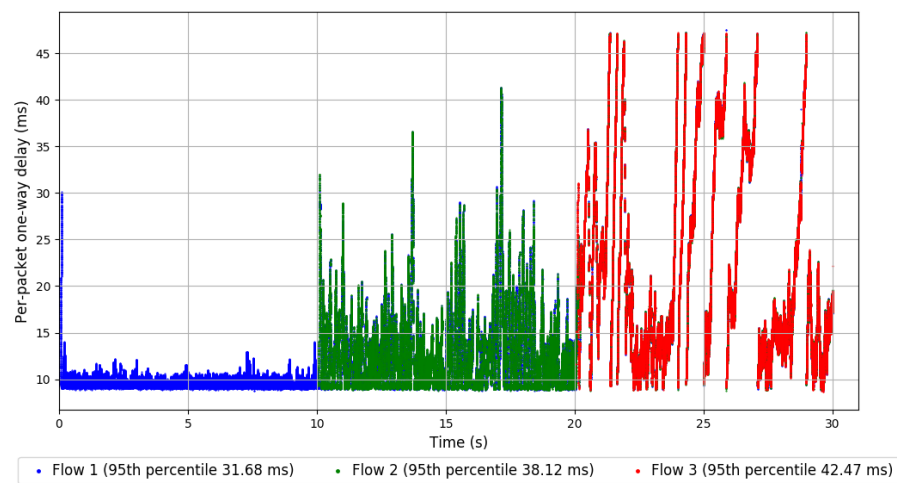
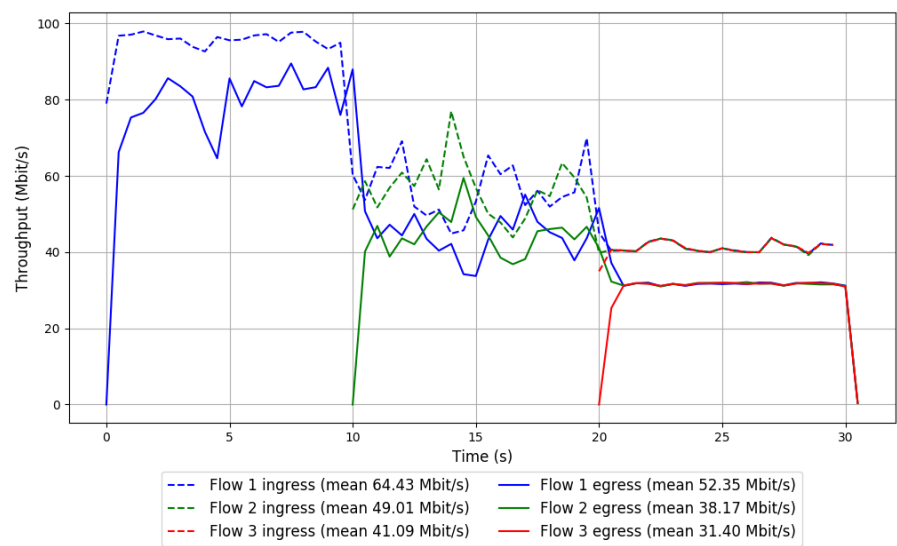
-- Flow 3:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 42.470 ms

Loss rate: 23.50%

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

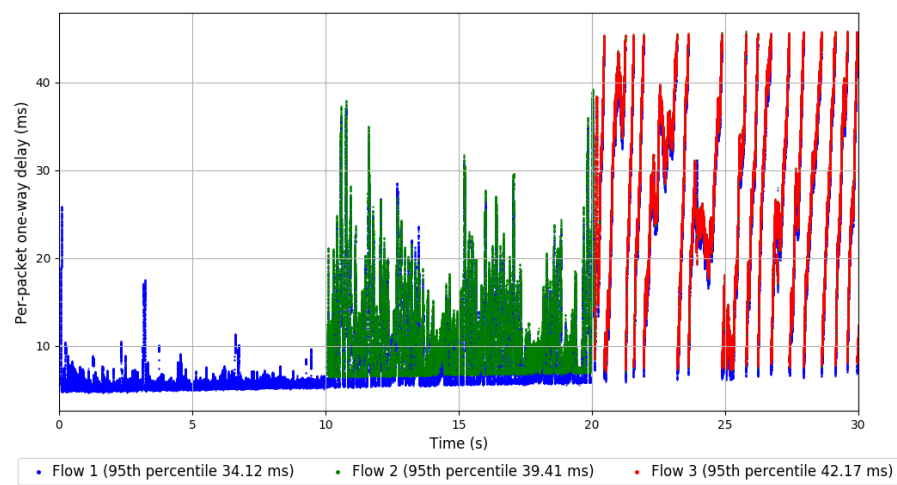
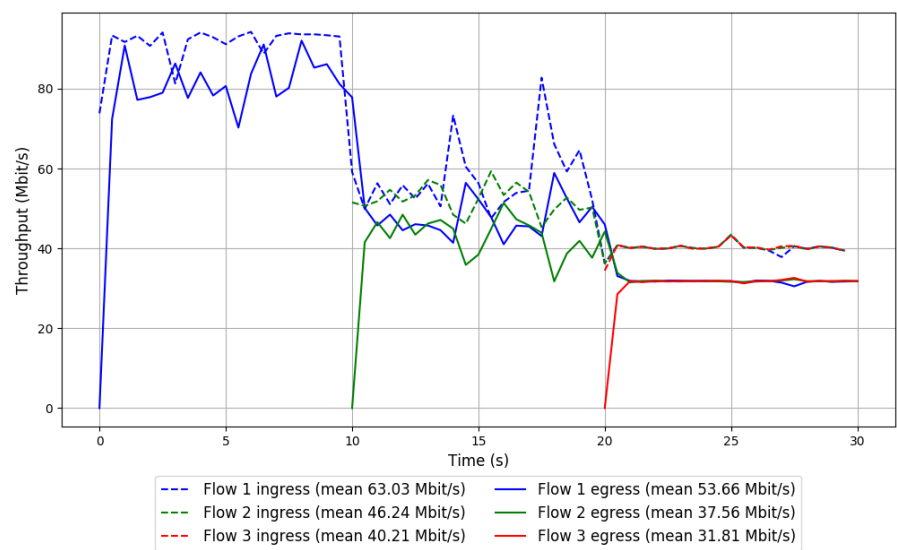


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-17 18:51:07
End at: 2018-07-17 18:51:37
Local clock offset: -4.758 ms
Remote clock offset: 17.065 ms

Below is generated by plot.py at 2018-07-17 20:16:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 38.181 ms
Loss rate: 16.74%
-- Flow 1:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: 34.123 ms
Loss rate: 14.85%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 39.408 ms
Loss rate: 18.77%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 42.168 ms
Loss rate: 20.99%

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

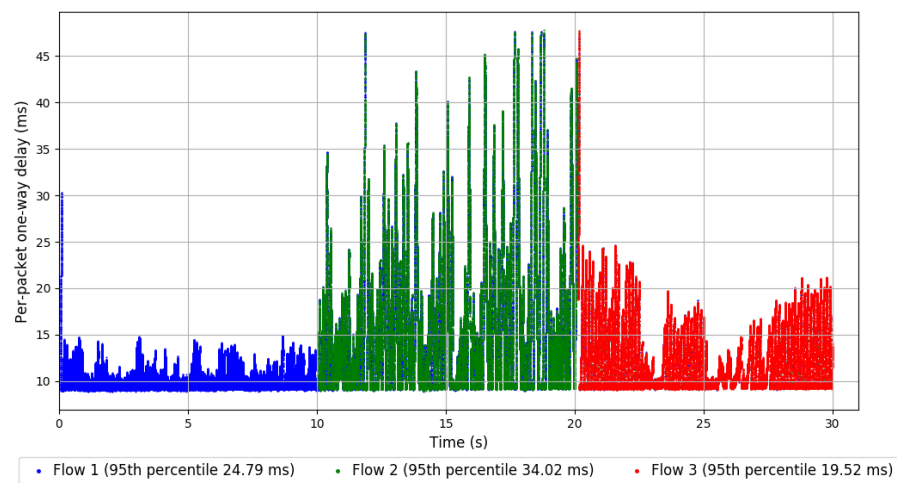
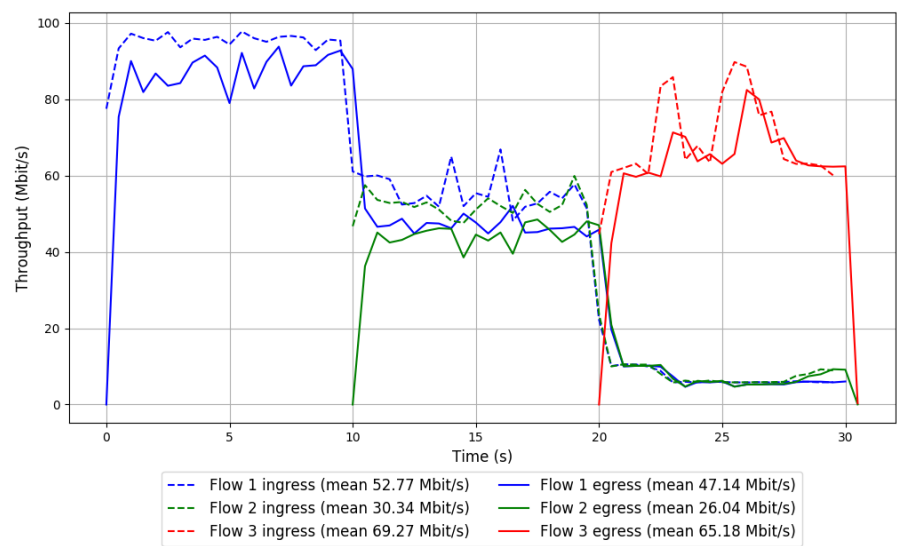


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-17 19:11:21
End at: 2018-07-17 19:11:51
Local clock offset: -8.913 ms
Remote clock offset: -11.975 ms

Below is generated by plot.py at 2018-07-17 20:16:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 25.822 ms
Loss rate: 10.30%
-- Flow 1:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 24.785 ms
Loss rate: 10.67%
-- Flow 2:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 34.015 ms
Loss rate: 14.16%
-- Flow 3:
Average throughput: 65.18 Mbit/s
95th percentile per-packet one-way delay: 19.520 ms
Loss rate: 6.09%

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

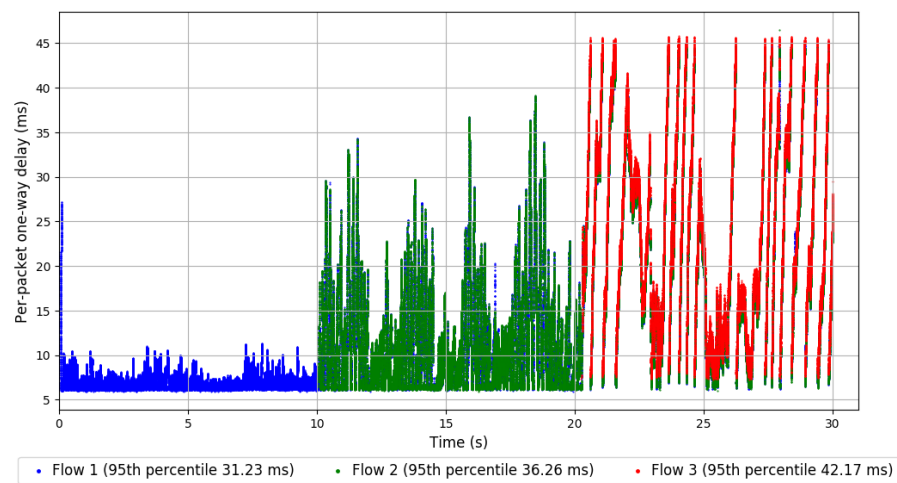
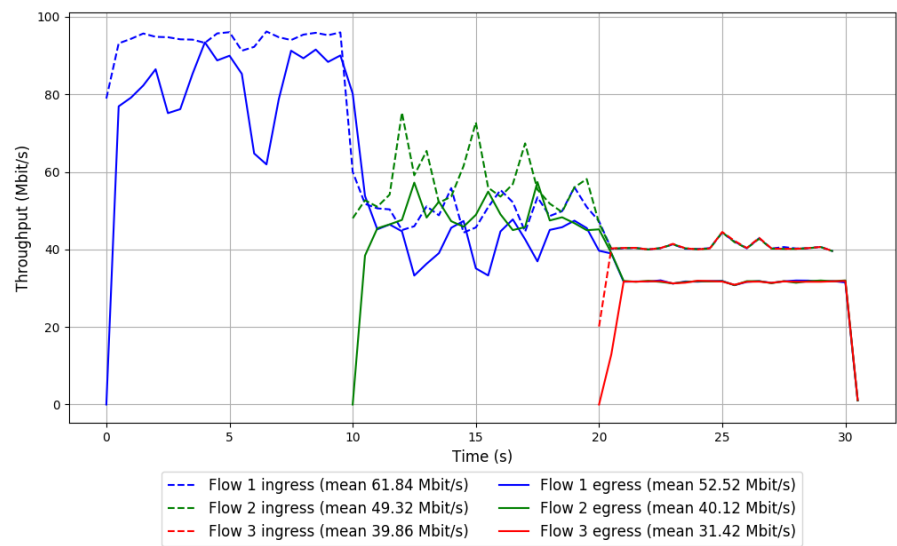


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-17 19:32:04
End at: 2018-07-17 19:32:34
Local clock offset: -8.847 ms
Remote clock offset: -21.428 ms

Below is generated by plot.py at 2018-07-17 20:17:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.50 Mbit/s
95th percentile per-packet one-way delay: 35.813 ms
Loss rate: 17.02%
-- Flow 1:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 31.233 ms
Loss rate: 15.01%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 36.262 ms
Loss rate: 18.58%
-- Flow 3:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 42.167 ms
Loss rate: 22.58%

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

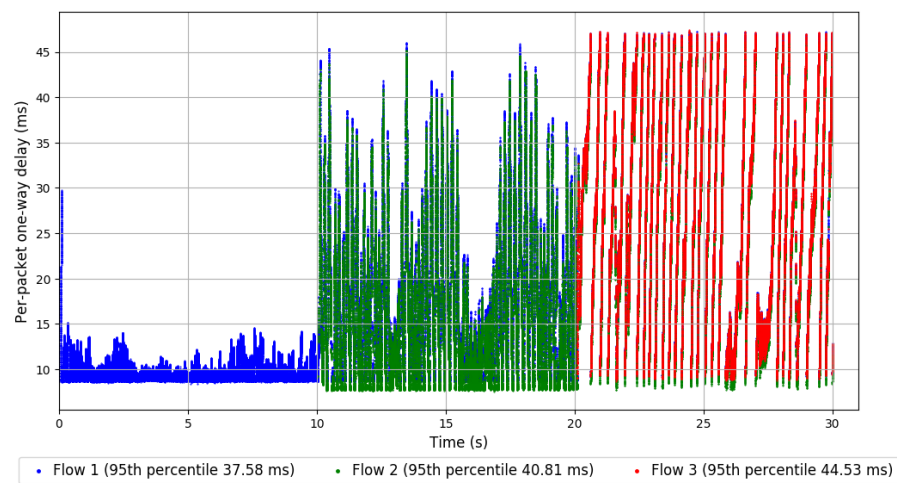
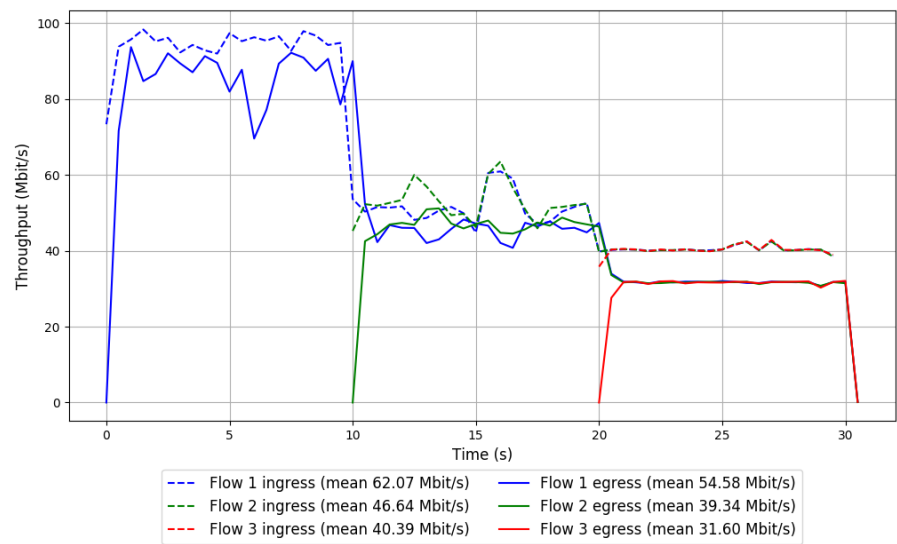


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-17 19:52:26
End at: 2018-07-17 19:52:56
Local clock offset: -4.078 ms
Remote clock offset: -20.715 ms

Below is generated by plot.py at 2018-07-17 20:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 40.590 ms
Loss rate: 14.34%
-- Flow 1:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 37.580 ms
Loss rate: 12.06%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 40.809 ms
Loss rate: 15.65%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 44.527 ms
Loss rate: 21.81%

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

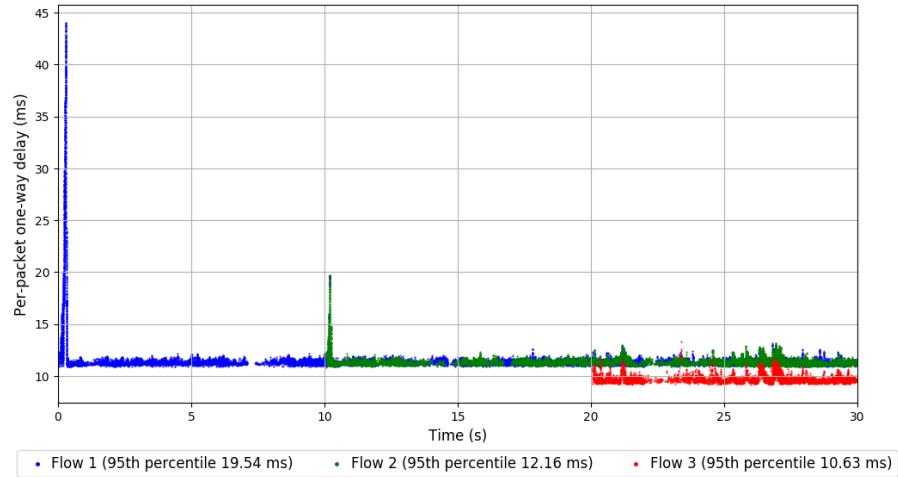
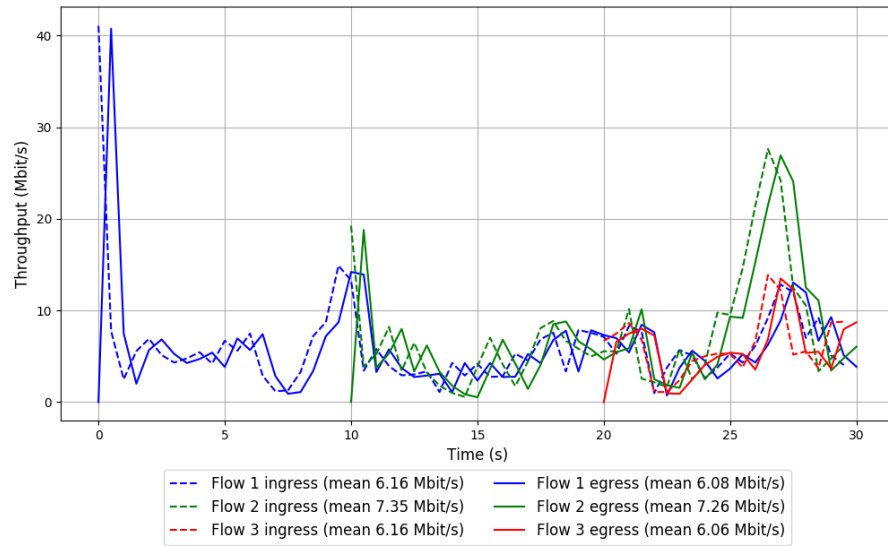


Run 1: Statistics of TCP Vegas

Start at: 2018-07-17 16:44:48
End at: 2018-07-17 16:45:18
Local clock offset: -3.271 ms
Remote clock offset: -10.848 ms

Below is generated by plot.py at 2018-07-17 20:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 12.601 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 19.537 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 12.160 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 6.06 Mbit/s
95th percentile per-packet one-way delay: 10.632 ms
Loss rate: 1.58%

Run 1: Report of TCP Vegas — Data Link

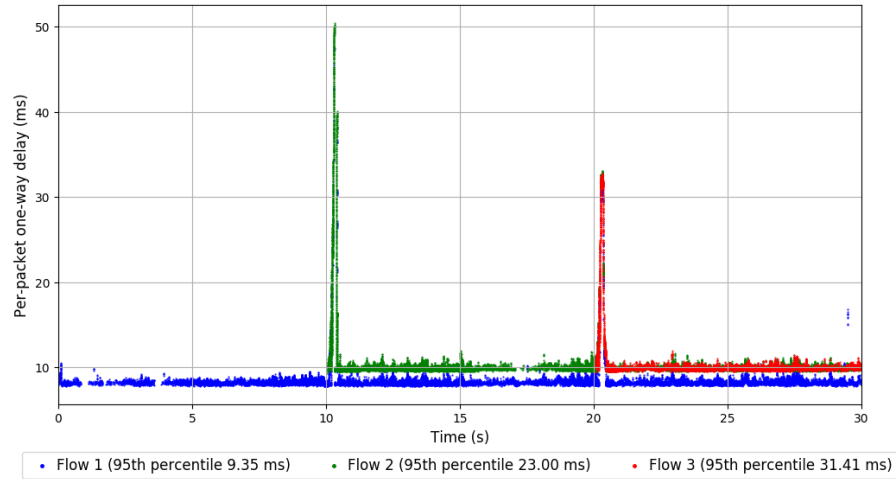
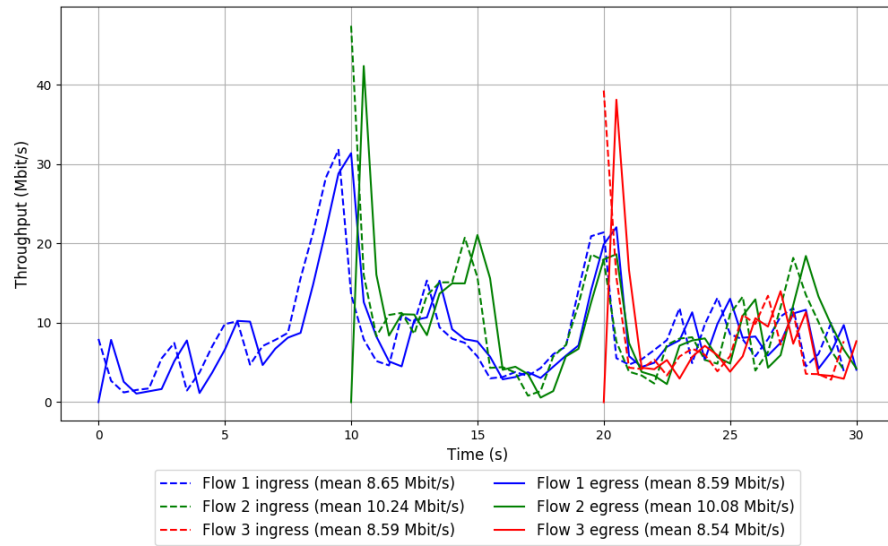


Run 2: Statistics of TCP Vegas

Start at: 2018-07-17 17:05:03
End at: 2018-07-17 17:05:33
Local clock offset: -0.326 ms
Remote clock offset: -10.194 ms

Below is generated by plot.py at 2018-07-17 20:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.13 Mbit/s
95th percentile per-packet one-way delay: 17.710 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 9.348 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 23.005 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 31.409 ms
Loss rate: 0.51%

Run 2: Report of TCP Vegas — Data Link

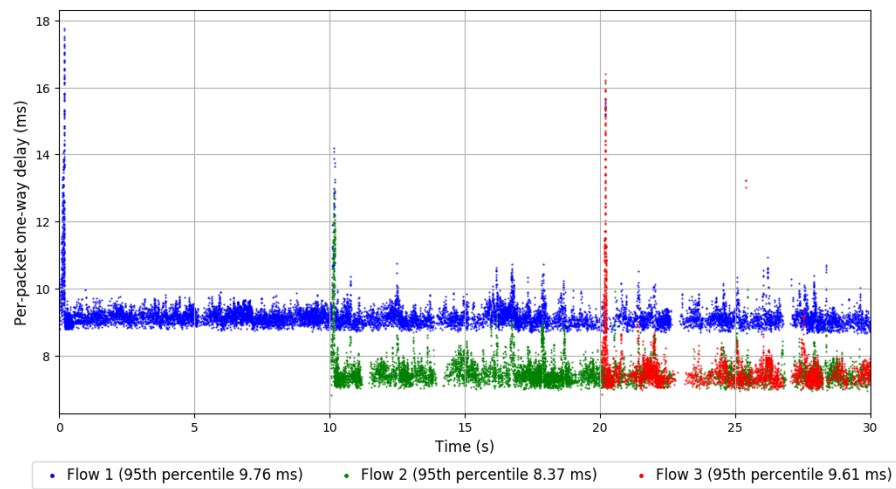
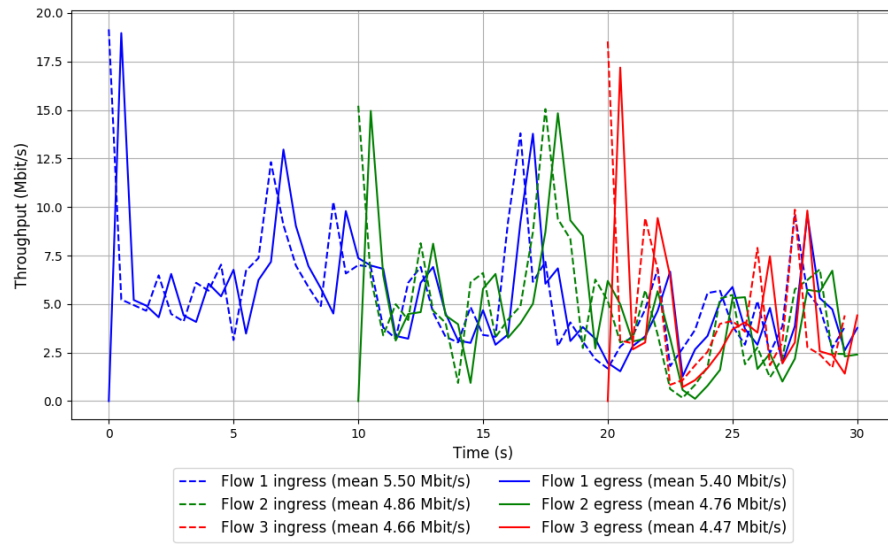


Run 3: Statistics of TCP Vegas

Start at: 2018-07-17 17:25:33
End at: 2018-07-17 17:26:03
Local clock offset: 1.583 ms
Remote clock offset: -4.588 ms

Below is generated by plot.py at 2018-07-17 20:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 9.626 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 9.758 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 8.368 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 9.606 ms
Loss rate: 3.98%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-17 17:45:41

End at: 2018-07-17 17:46:11

Local clock offset: 0.414 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-17 20:18:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.49 Mbit/s

95th percentile per-packet one-way delay: 11.210 ms

Loss rate: 1.97%

-- Flow 1:

Average throughput: 7.48 Mbit/s

95th percentile per-packet one-way delay: 10.306 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 8.27 Mbit/s

95th percentile per-packet one-way delay: 8.685 ms

Loss rate: 1.35%

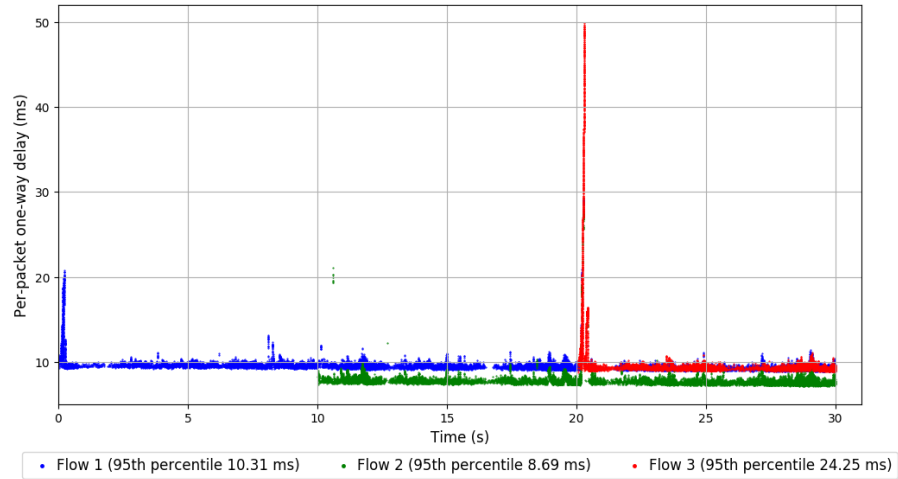
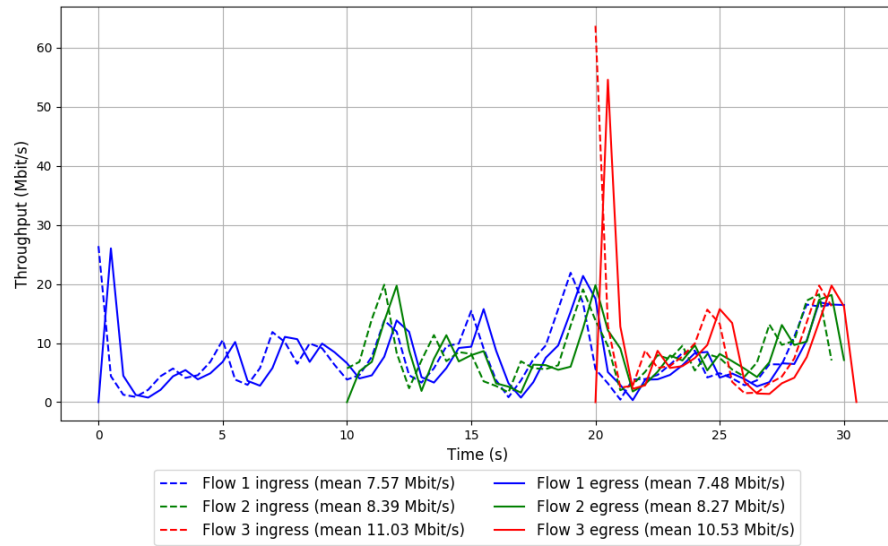
-- Flow 3:

Average throughput: 10.53 Mbit/s

95th percentile per-packet one-way delay: 24.250 ms

Loss rate: 4.52%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-17 18:05:09

End at: 2018-07-17 18:05:39

Local clock offset: 0.317 ms

Remote clock offset: 6.73 ms

Below is generated by plot.py at 2018-07-17 20:18:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.60 Mbit/s

95th percentile per-packet one-way delay: 8.476 ms

Loss rate: 2.45%

-- Flow 1:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 8.873 ms

Loss rate: 3.44%

-- Flow 2:

Average throughput: 10.94 Mbit/s

95th percentile per-packet one-way delay: 8.725 ms

Loss rate: 0.99%

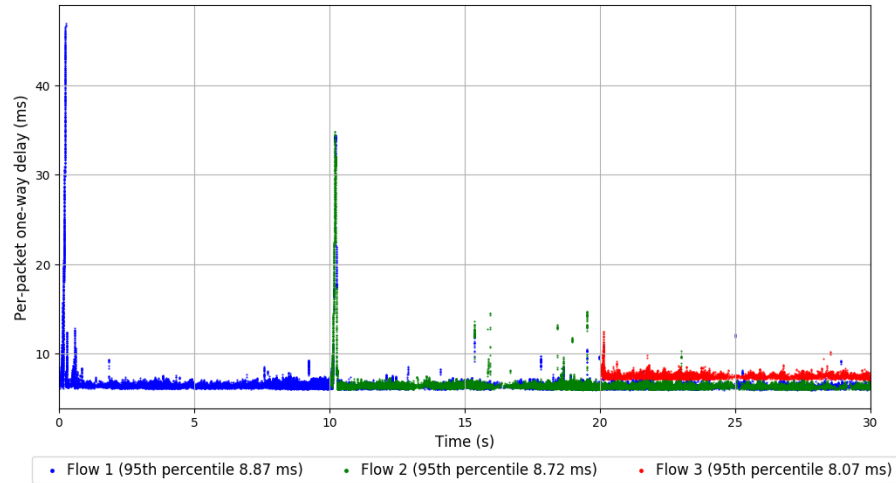
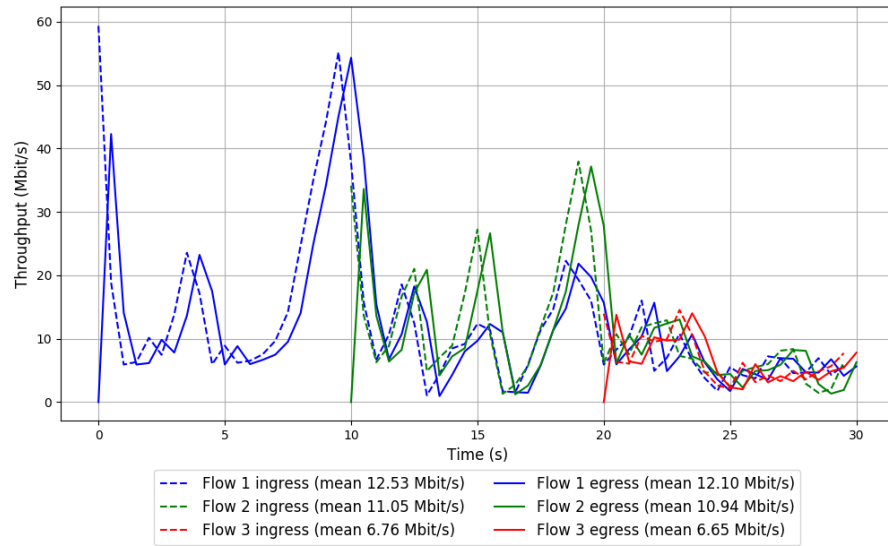
-- Flow 3:

Average throughput: 6.65 Mbit/s

95th percentile per-packet one-way delay: 8.074 ms

Loss rate: 1.71%

Run 5: Report of TCP Vegas — Data Link

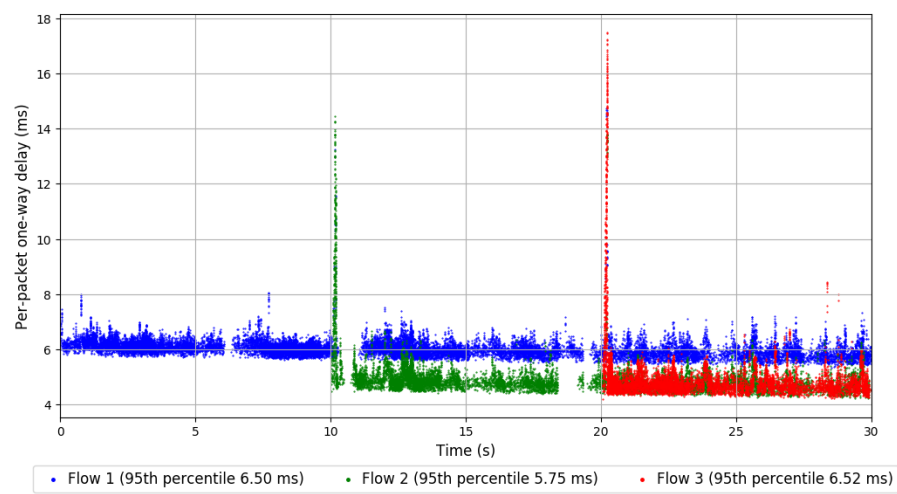
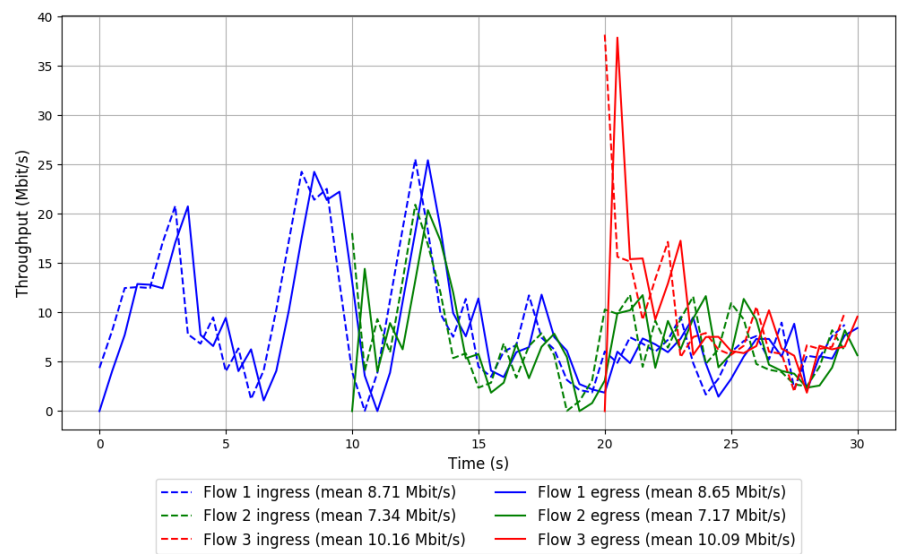


Run 6: Statistics of TCP Vegas

Start at: 2018-07-17 18:25:04
End at: 2018-07-17 18:25:34
Local clock offset: 2.74 ms
Remote clock offset: 12.371 ms

```
# Below is generated by plot.py at 2018-07-17 20:18:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.76 Mbit/s
95th percentile per-packet one-way delay: 6.464 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 8.65 Mbit/s
95th percentile per-packet one-way delay: 6.501 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 5.754 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 6.524 ms
Loss rate: 0.75%
```


Run 6: Report of TCP Vegas — Data Link

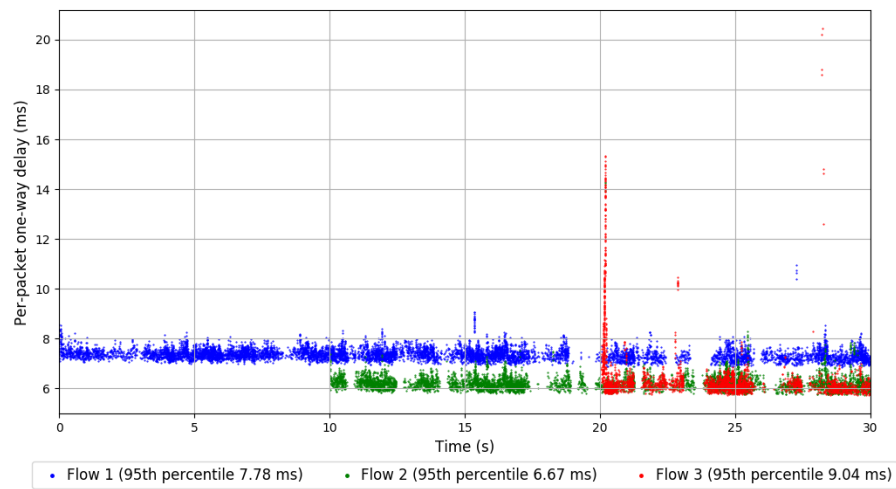
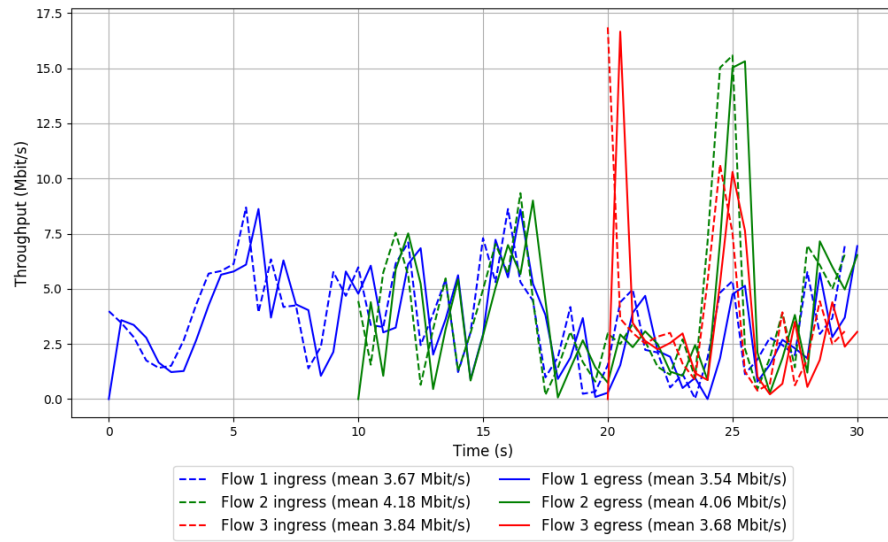


Run 7: Statistics of TCP Vegas

Start at: 2018-07-17 18:45:14
End at: 2018-07-17 18:45:44
Local clock offset: -4.844 ms
Remote clock offset: 16.285 ms

```
# Below is generated by plot.py at 2018-07-17 20:18:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 7.711 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 7.781 ms
Loss rate: 3.47%
-- Flow 2:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 6.673 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 9.045 ms
Loss rate: 4.14%
```

Run 7: Report of TCP Vegas — Data Link

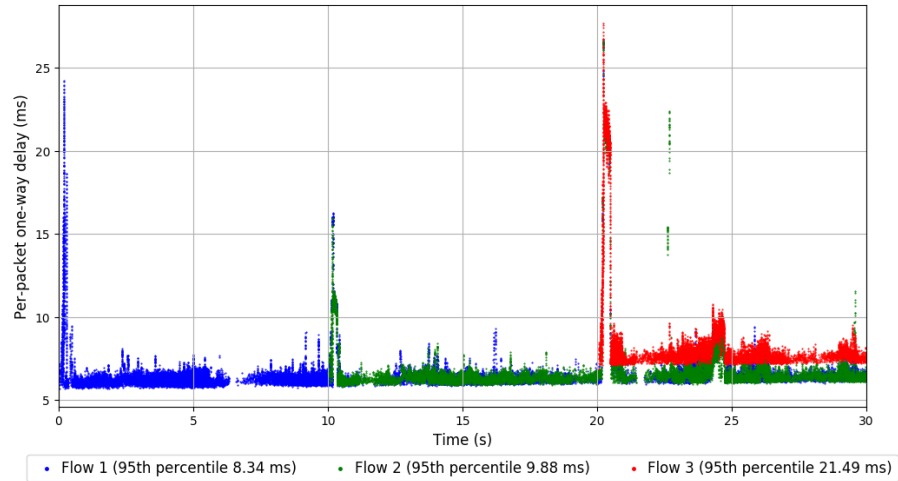
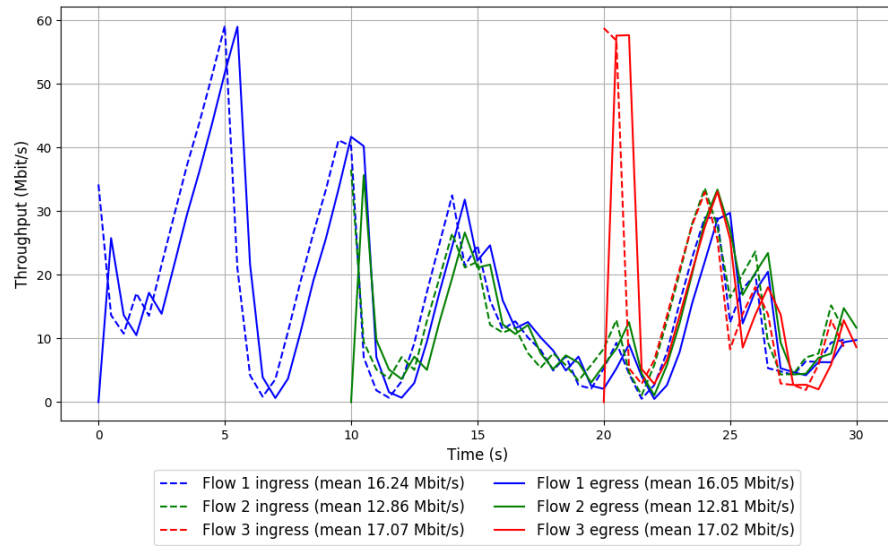


Run 8: Statistics of TCP Vegas

Start at: 2018-07-17 19:05:27
End at: 2018-07-17 19:05:57
Local clock offset: -6.392 ms
Remote clock offset: -7.886 ms

Below is generated by plot.py at 2018-07-17 20:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 10.780 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 8.340 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 9.883 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 21.487 ms
Loss rate: 0.28%

Run 8: Report of TCP Vegas — Data Link

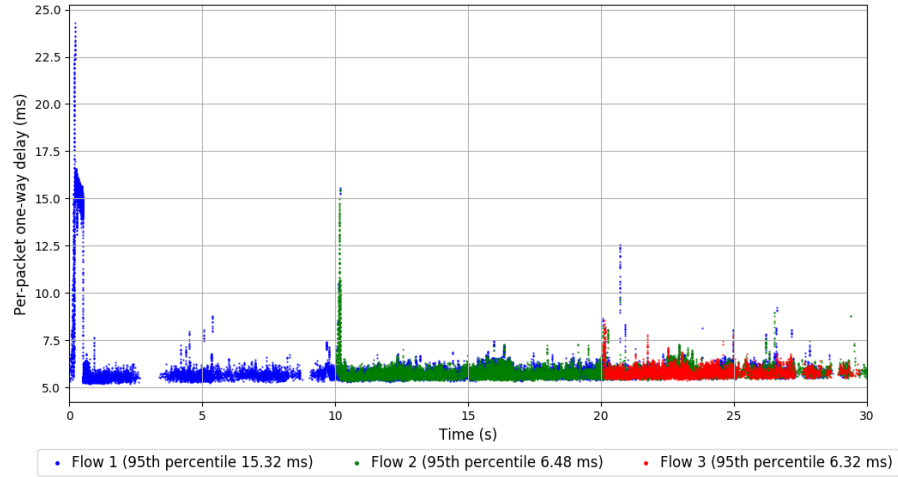
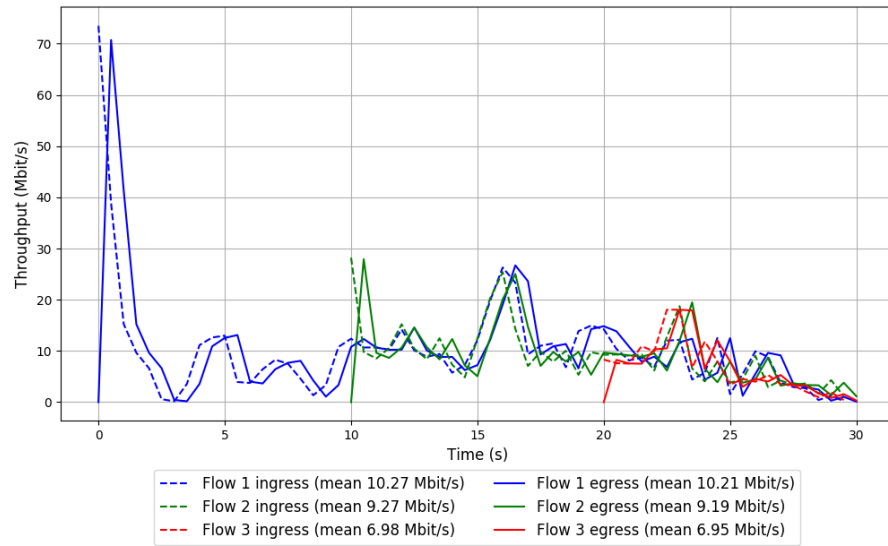


Run 9: Statistics of TCP Vegas

Start at: 2018-07-17 19:26:06
End at: 2018-07-17 19:26:36
Local clock offset: -6.162 ms
Remote clock offset: -17.013 ms

Below is generated by plot.py at 2018-07-17 20:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 14.611 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 15.316 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 6.480 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 6.317 ms
Loss rate: 1.41%

Run 9: Report of TCP Vegas — Data Link

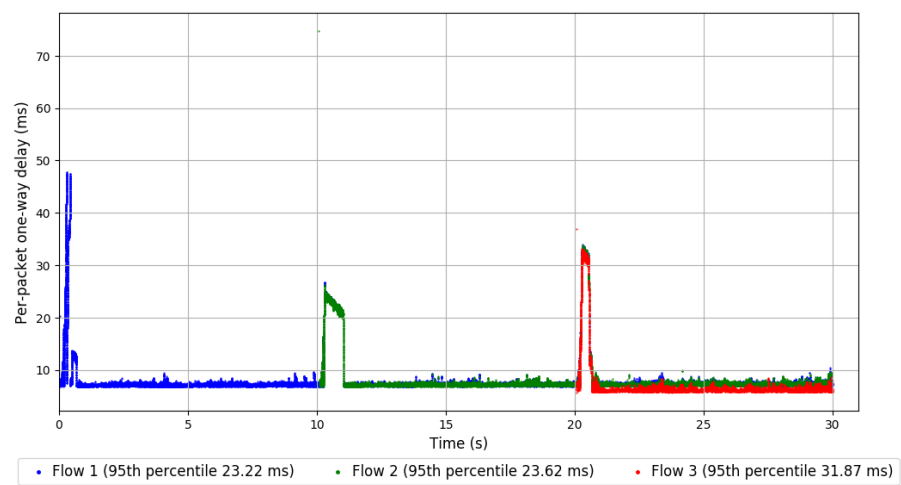
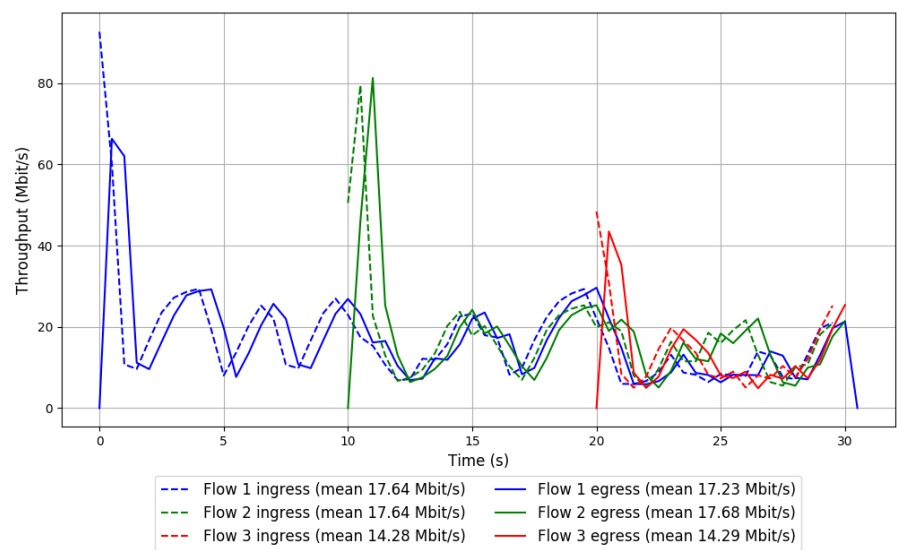


Run 10: Statistics of TCP Vegas

Start at: 2018-07-17 19:46:34
End at: 2018-07-17 19:47:04
Local clock offset: -3.132 ms
Remote clock offset: -20.29 ms

Below is generated by plot.py at 2018-07-17 20:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.71 Mbit/s
95th percentile per-packet one-way delay: 24.155 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 17.23 Mbit/s
95th percentile per-packet one-way delay: 23.223 ms
Loss rate: 2.36%
-- Flow 2:
Average throughput: 17.68 Mbit/s
95th percentile per-packet one-way delay: 23.616 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 14.29 Mbit/s
95th percentile per-packet one-way delay: 31.869 ms
Loss rate: 0.20%

Run 10: Report of TCP Vegas — Data Link

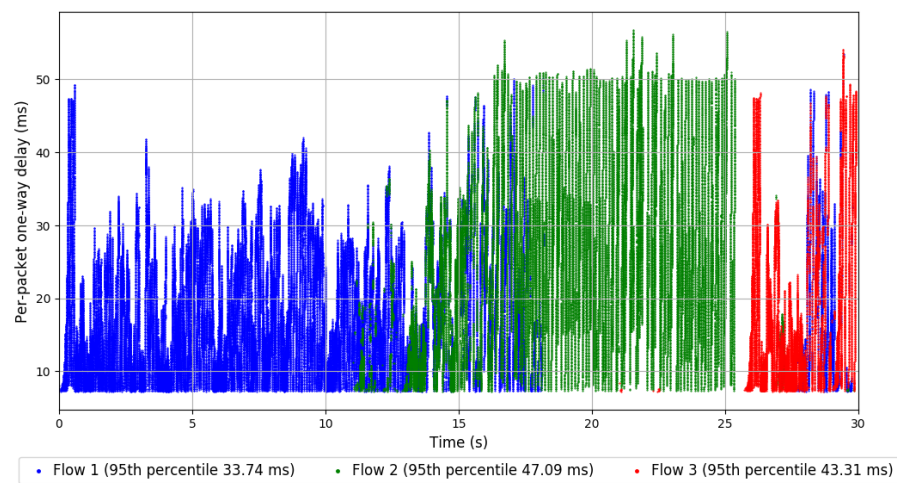
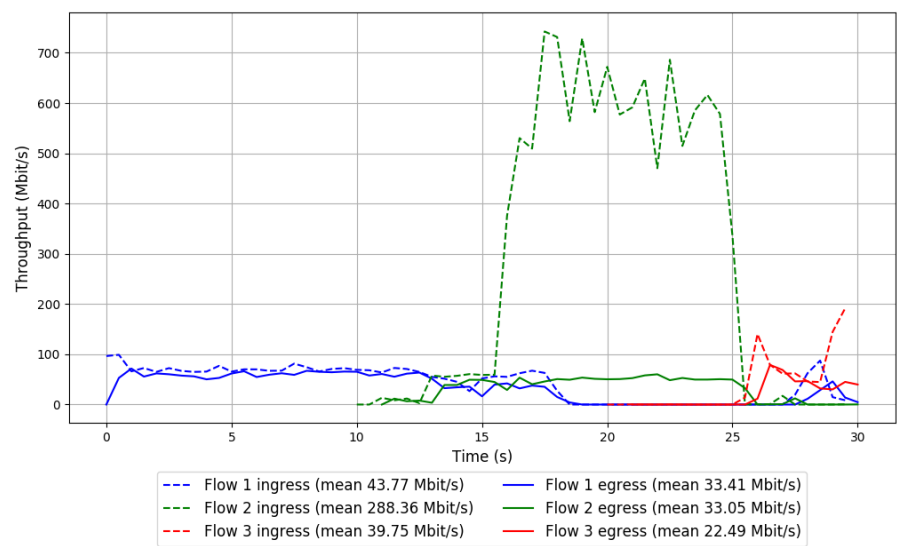


Run 1: Statistics of Verus

Start at: 2018-07-17 16:47:03
End at: 2018-07-17 16:47:33
Local clock offset: 0.781 ms
Remote clock offset: -10.505 ms

Below is generated by plot.py at 2018-07-17 20:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.74 Mbit/s
95th percentile per-packet one-way delay: 42.686 ms
Loss rate: 75.52%
-- Flow 1:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 33.740 ms
Loss rate: 23.89%
-- Flow 2:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 47.090 ms
Loss rate: 89.14%
-- Flow 3:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 43.311 ms
Loss rate: 49.07%

Run 1: Report of Verus — Data Link

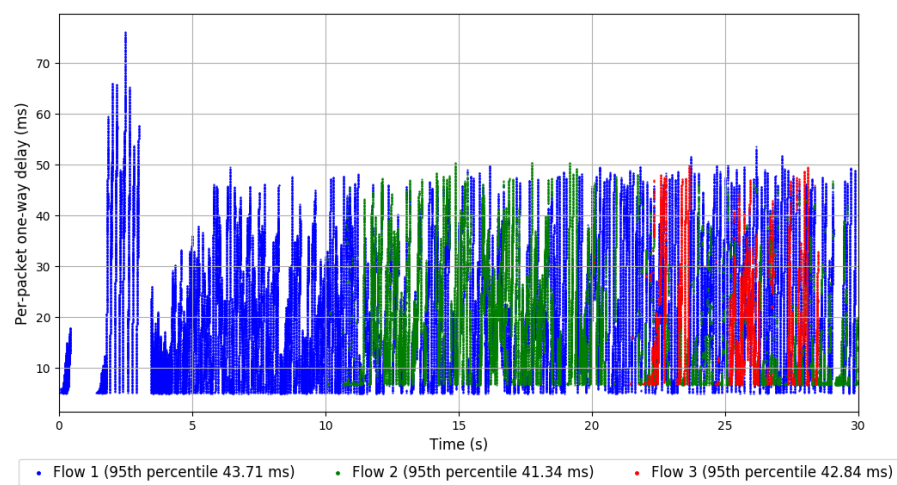
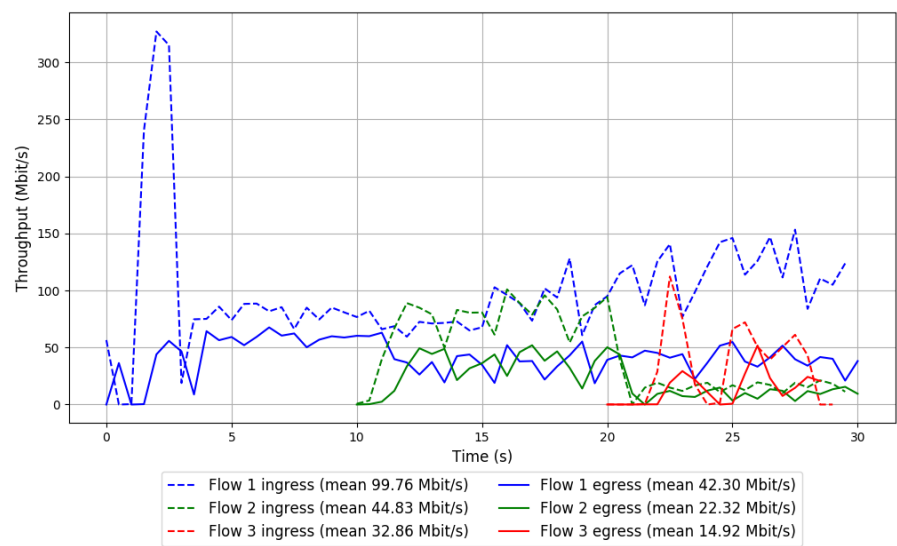


Run 2: Statistics of Verus

Start at: 2018-07-17 17:07:16
End at: 2018-07-17 17:07:46
Local clock offset: 1.83 ms
Remote clock offset: -11.032 ms

Below is generated by plot.py at 2018-07-17 20:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 43.127 ms
Loss rate: 56.12%
-- Flow 1:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 43.710 ms
Loss rate: 57.54%
-- Flow 2:
Average throughput: 22.32 Mbit/s
95th percentile per-packet one-way delay: 41.337 ms
Loss rate: 50.21%
-- Flow 3:
Average throughput: 14.92 Mbit/s
95th percentile per-packet one-way delay: 42.837 ms
Loss rate: 59.43%

Run 2: Report of Verus — Data Link

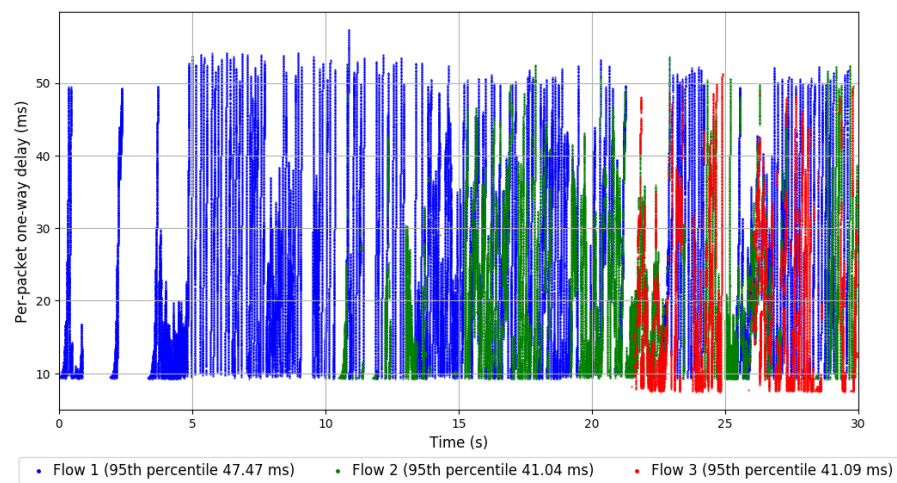
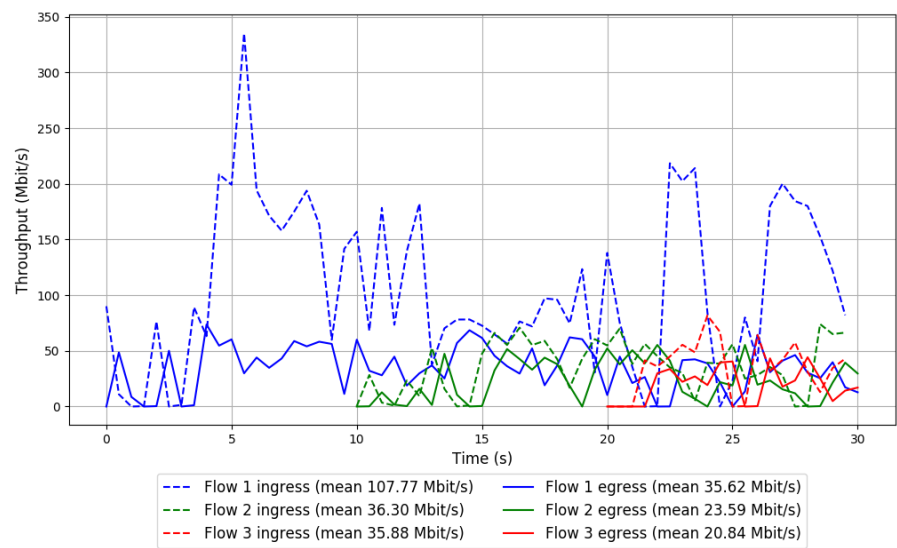


Run 3: Statistics of Verus

Start at: 2018-07-17 17:27:45
End at: 2018-07-17 17:28:15
Local clock offset: 1.238 ms
Remote clock offset: -3.958 ms

Below is generated by plot.py at 2018-07-17 20:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 45.937 ms
Loss rate: 59.48%
-- Flow 1:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 47.471 ms
Loss rate: 66.93%
-- Flow 2:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 41.036 ms
Loss rate: 35.05%
-- Flow 3:
Average throughput: 20.84 Mbit/s
95th percentile per-packet one-way delay: 41.092 ms
Loss rate: 41.91%

Run 3: Report of Verus — Data Link

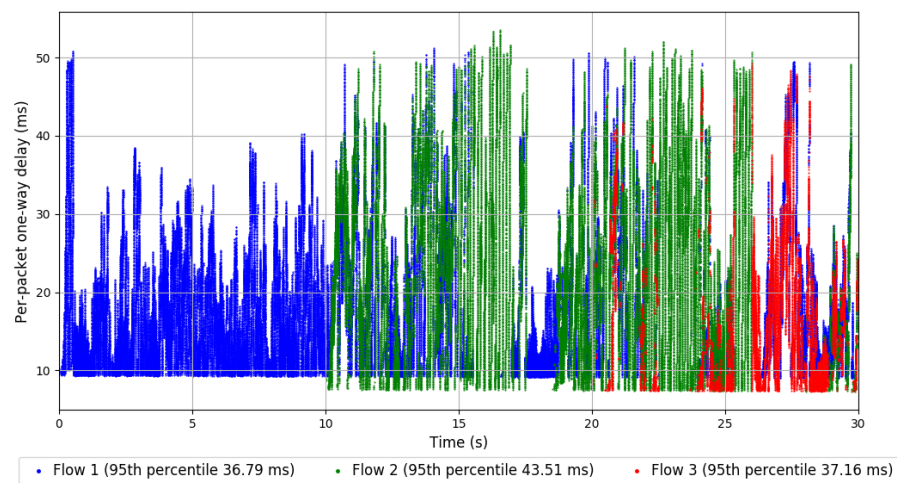
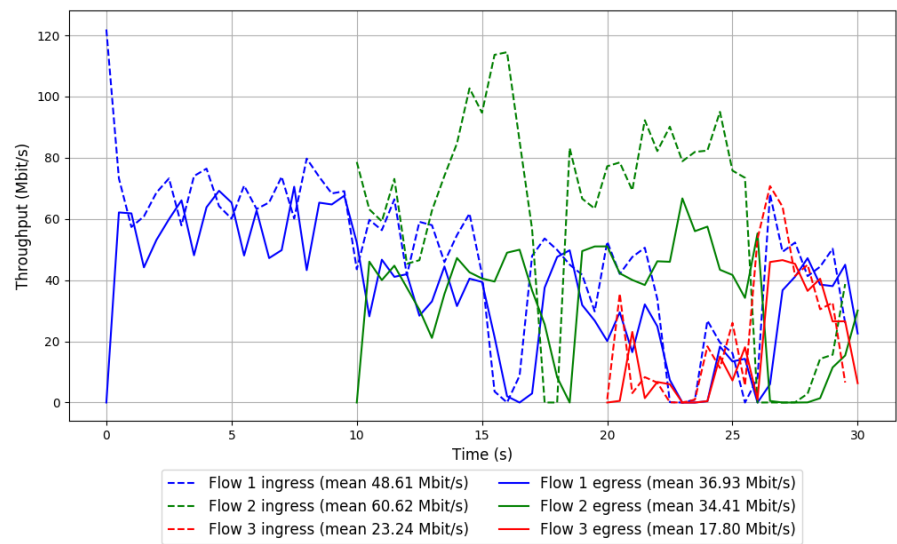


Run 4: Statistics of Verus

Start at: 2018-07-17 17:47:54
End at: 2018-07-17 17:48:24
Local clock offset: -0.245 ms
Remote clock offset: 1.074 ms

```
# Below is generated by plot.py at 2018-07-17 20:18:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 40.348 ms
Loss rate: 31.96%
-- Flow 1:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 36.788 ms
Loss rate: 24.00%
-- Flow 2:
Average throughput: 34.41 Mbit/s
95th percentile per-packet one-way delay: 43.505 ms
Loss rate: 43.21%
-- Flow 3:
Average throughput: 17.80 Mbit/s
95th percentile per-packet one-way delay: 37.162 ms
Loss rate: 23.31%
```


Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-17 18:07:21

End at: 2018-07-17 18:07:52

Local clock offset: -0.699 ms

Remote clock offset: 8.167 ms

Below is generated by plot.py at 2018-07-17 20:18:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.45 Mbit/s

95th percentile per-packet one-way delay: 43.645 ms

Loss rate: 35.93%

-- Flow 1:

Average throughput: 44.39 Mbit/s

95th percentile per-packet one-way delay: 41.721 ms

Loss rate: 22.83%

-- Flow 2:

Average throughput: 35.31 Mbit/s

95th percentile per-packet one-way delay: 45.353 ms

Loss rate: 49.30%

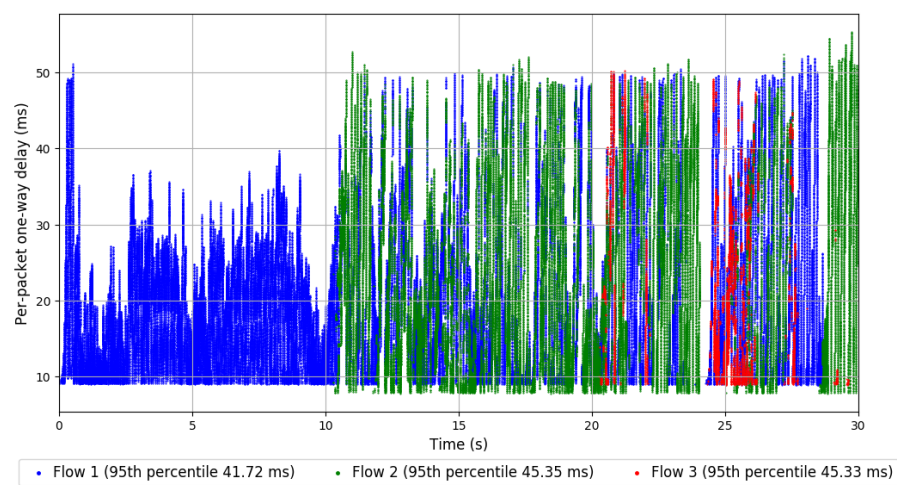
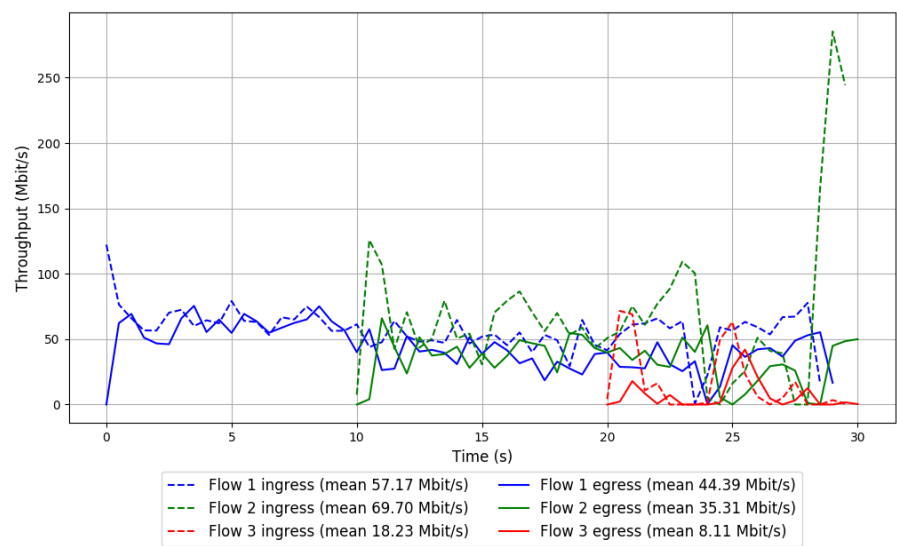
-- Flow 3:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 45.332 ms

Loss rate: 55.67%

Run 5: Report of Verus — Data Link

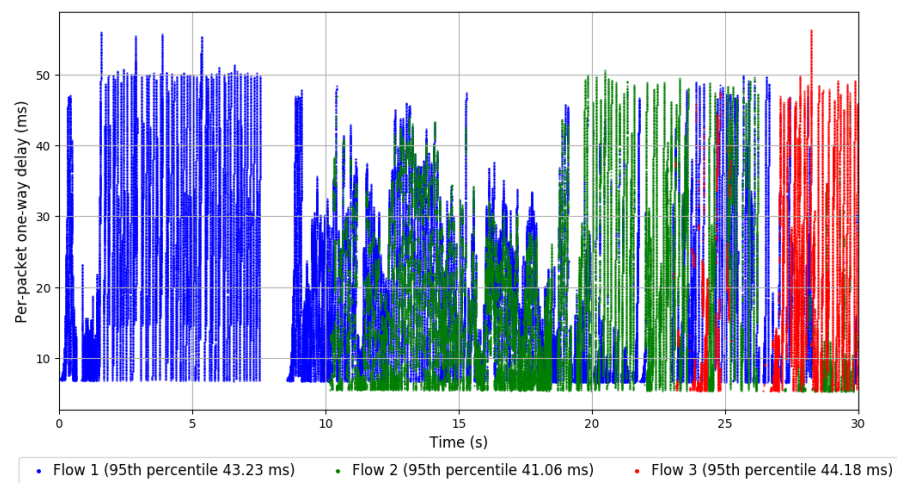
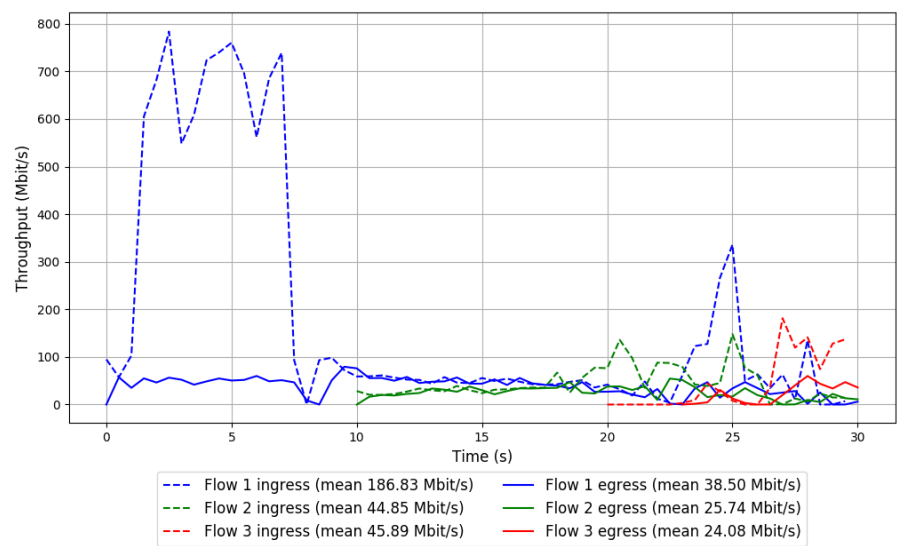


Run 6: Statistics of Verus

Start at: 2018-07-17 18:27:16
End at: 2018-07-17 18:27:46
Local clock offset: 0.404 ms
Remote clock offset: 12.793 ms

```
# Below is generated by plot.py at 2018-07-17 20:18:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.10 Mbit/s
95th percentile per-packet one-way delay: 42.811 ms
Loss rate: 73.61%
-- Flow 1:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 43.233 ms
Loss rate: 79.38%
-- Flow 2:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 41.062 ms
Loss rate: 42.65%
-- Flow 3:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 44.180 ms
Loss rate: 63.27%
```

Run 6: Report of Verus — Data Link

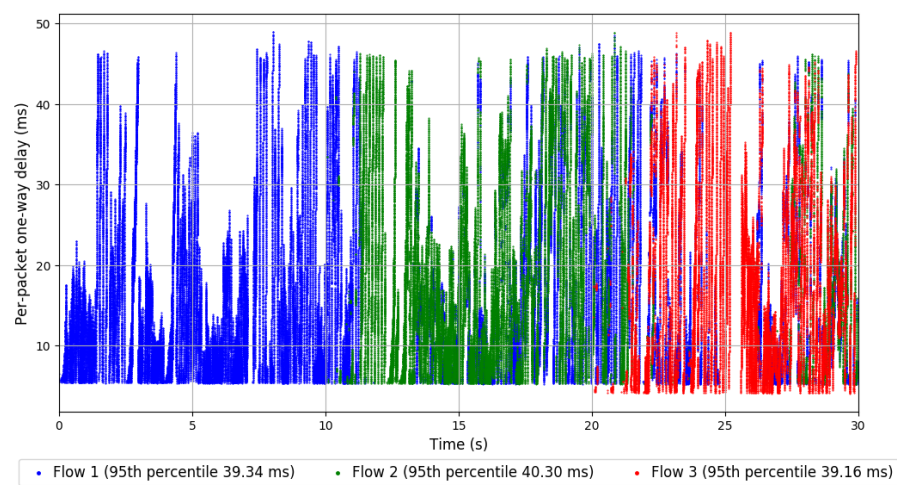
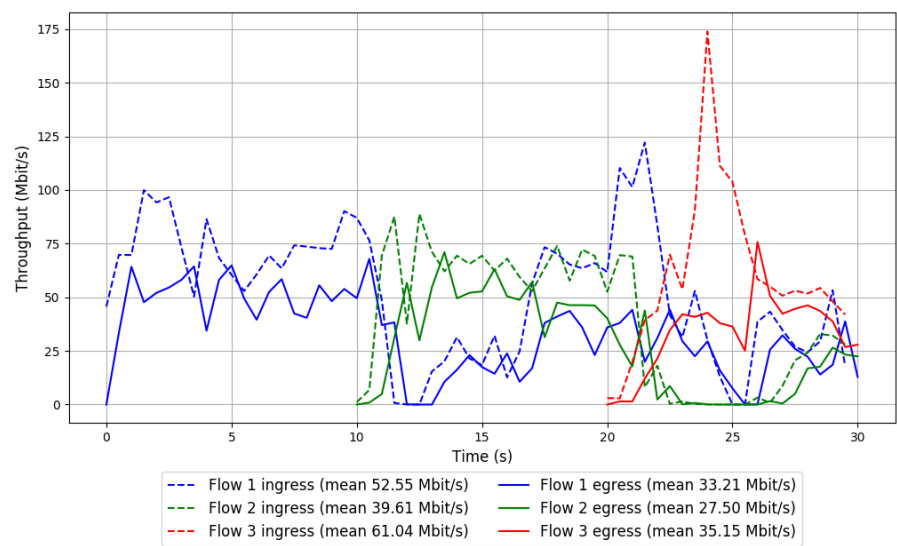


Run 7: Statistics of Verus

Start at: 2018-07-17 18:47:30
End at: 2018-07-17 18:48:00
Local clock offset: -4.739 ms
Remote clock offset: 15.511 ms

```
# Below is generated by plot.py at 2018-07-17 20:18:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 39.651 ms
Loss rate: 36.27%
-- Flow 1:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 39.337 ms
Loss rate: 36.78%
-- Flow 2:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 40.302 ms
Loss rate: 30.55%
-- Flow 3:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 39.156 ms
Loss rate: 42.44%
```

Run 7: Report of Verus — Data Link

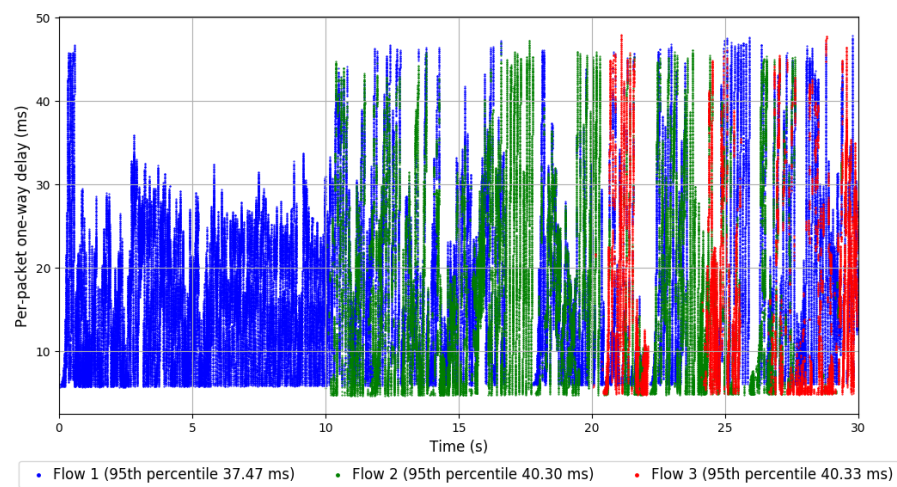
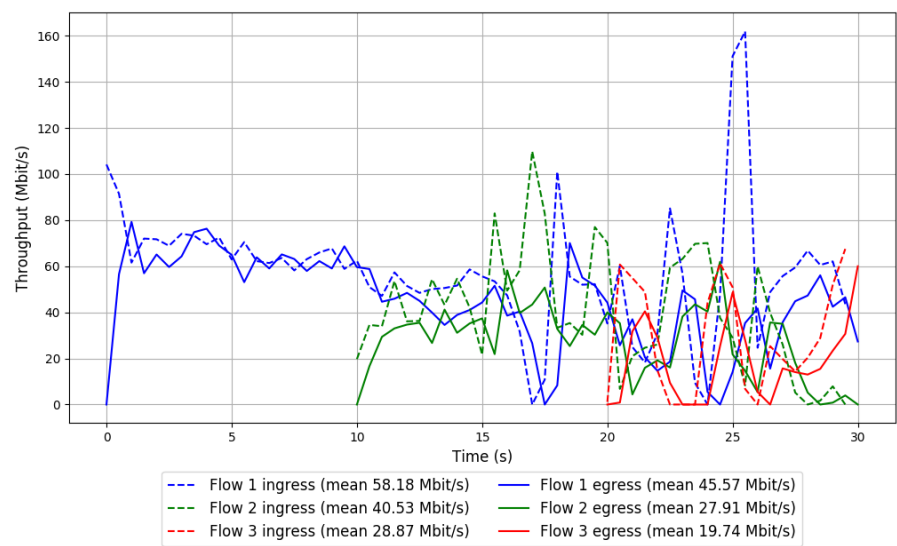


Run 8: Statistics of Verus

Start at: 2018-07-17 19:07:43
End at: 2018-07-17 19:08:13
Local clock offset: -5.775 ms
Remote clock offset: -10.086 ms

Below is generated by plot.py at 2018-07-17 20:18:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 38.809 ms
Loss rate: 25.34%
-- Flow 1:
Average throughput: 45.57 Mbit/s
95th percentile per-packet one-way delay: 37.467 ms
Loss rate: 21.65%
-- Flow 2:
Average throughput: 27.91 Mbit/s
95th percentile per-packet one-way delay: 40.304 ms
Loss rate: 31.11%
-- Flow 3:
Average throughput: 19.74 Mbit/s
95th percentile per-packet one-way delay: 40.326 ms
Loss rate: 31.53%

Run 8: Report of Verus — Data Link

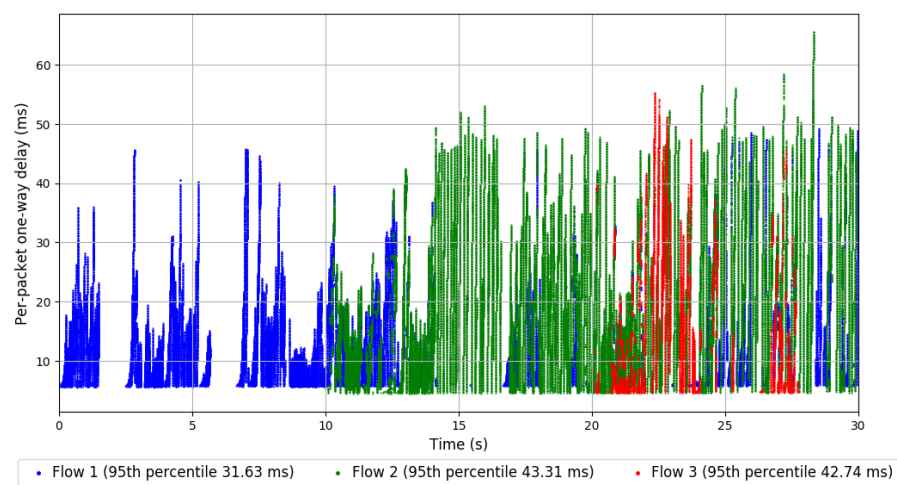
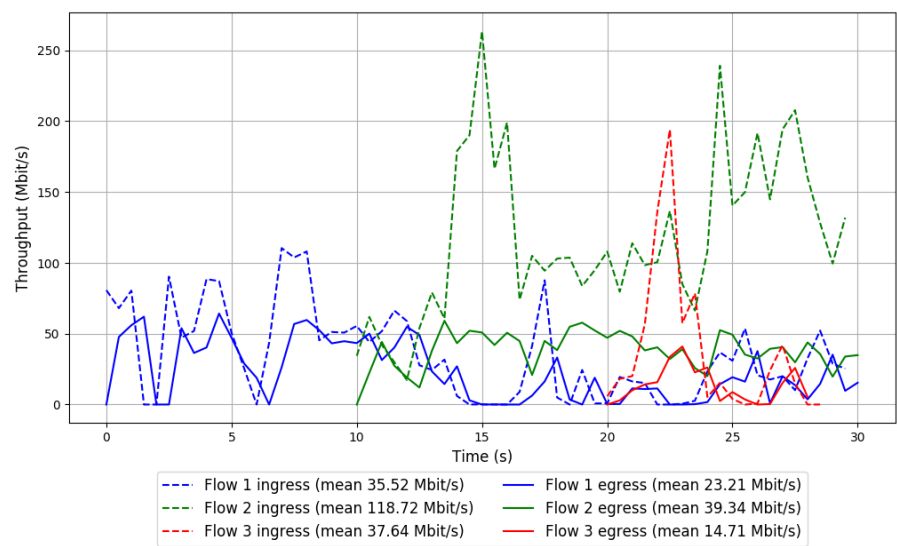


Run 9: Statistics of Verus

Start at: 2018-07-17 19:28:26
End at: 2018-07-17 19:28:56
Local clock offset: -4.45 ms
Remote clock offset: -17.212 ms

Below is generated by plot.py at 2018-07-17 20:18:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 40.673 ms
Loss rate: 57.65%
-- Flow 1:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 31.633 ms
Loss rate: 34.58%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 43.308 ms
Loss rate: 66.84%
-- Flow 3:
Average throughput: 14.71 Mbit/s
95th percentile per-packet one-way delay: 42.744 ms
Loss rate: 66.10%

Run 9: Report of Verus — Data Link

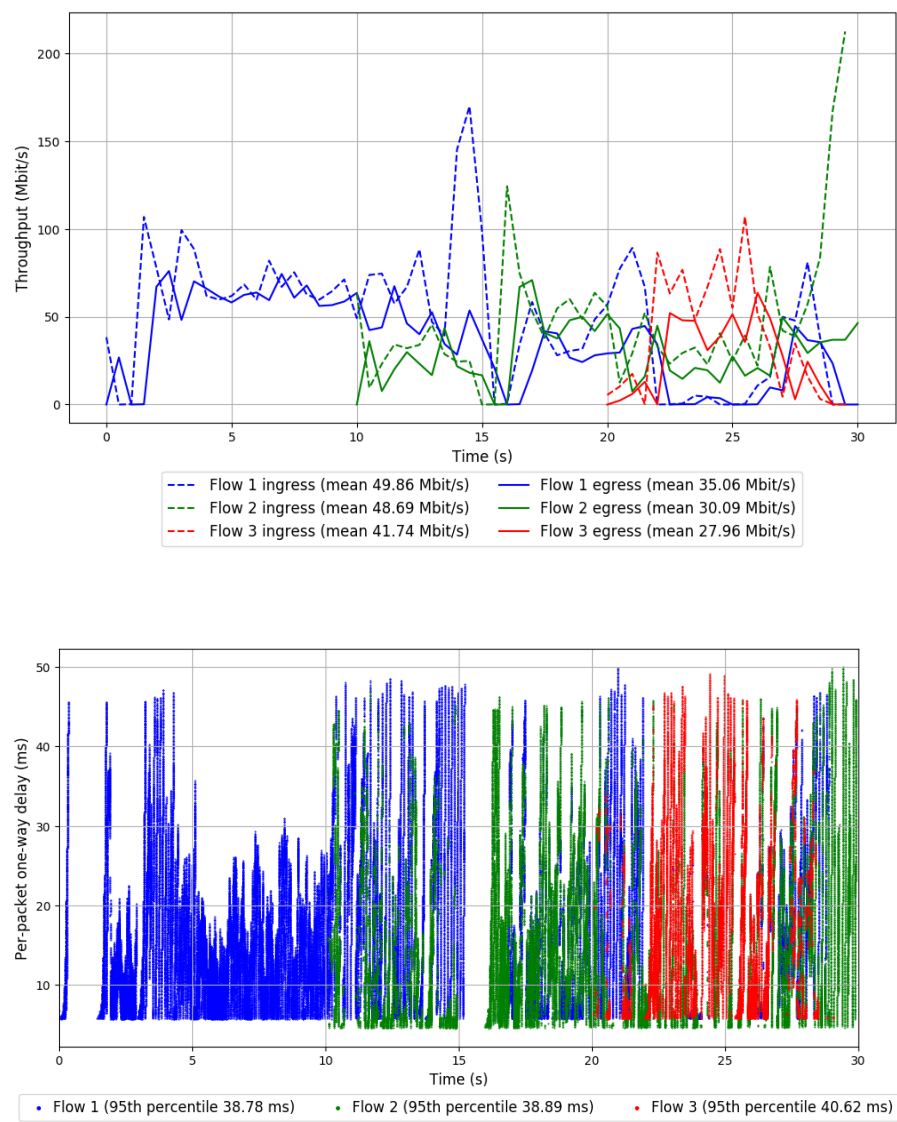


Run 10: Statistics of Verus

Start at: 2018-07-17 19:48:48
End at: 2018-07-17 19:49:18
Local clock offset: -1.931 ms
Remote clock offset: -20.807 ms

Below is generated by plot.py at 2018-07-17 20:18:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 39.095 ms
Loss rate: 33.26%
-- Flow 1:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 38.780 ms
Loss rate: 29.76%
-- Flow 2:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 38.887 ms
Loss rate: 38.21%
-- Flow 3:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 40.616 ms
Loss rate: 34.32%

Run 10: Report of Verus — Data Link

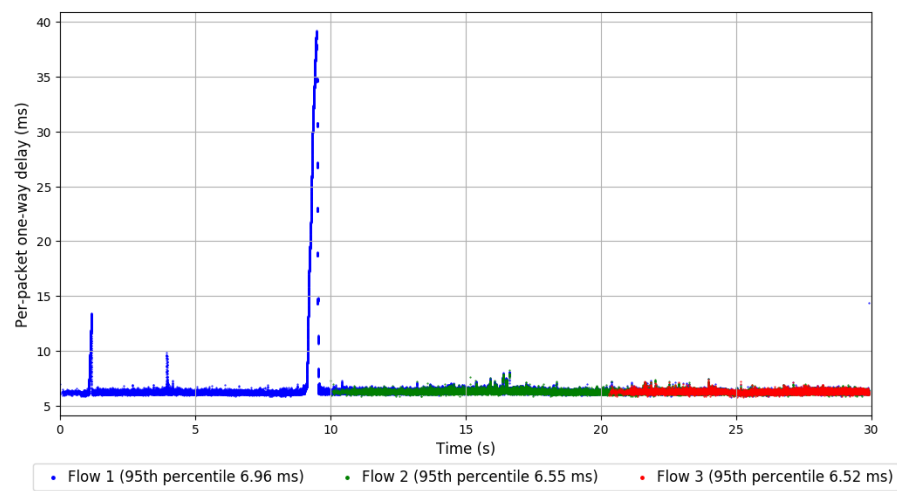
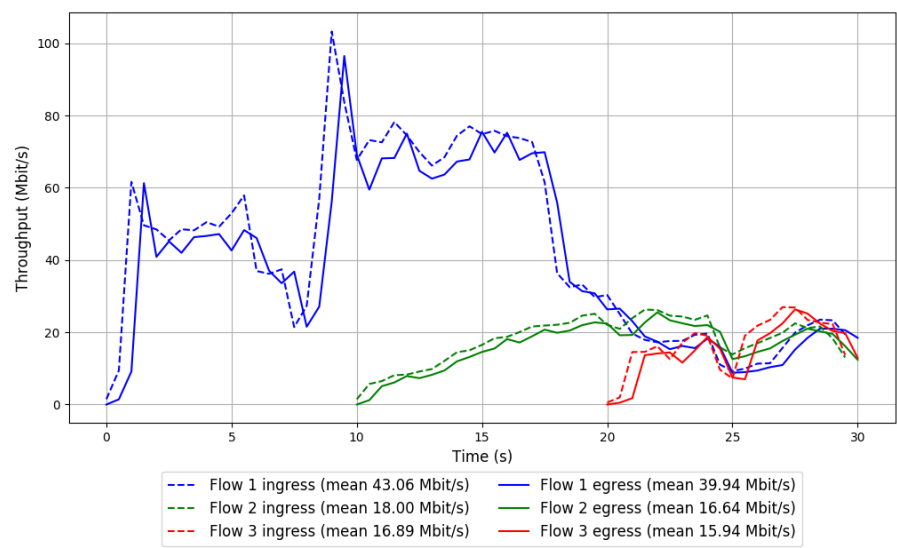


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-17 16:36:36
End at: 2018-07-17 16:37:06
Local clock offset: 1.891 ms
Remote clock offset: -9.876 ms

Below is generated by plot.py at 2018-07-17 20:18:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.13 Mbit/s
95th percentile per-packet one-way delay: 6.703 ms
Loss rate: 7.37%
-- Flow 1:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 6.959 ms
Loss rate: 7.23%
-- Flow 2:
Average throughput: 16.64 Mbit/s
95th percentile per-packet one-way delay: 6.551 ms
Loss rate: 7.59%
-- Flow 3:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 6.516 ms
Loss rate: 8.01%

Run 1: Report of PCC-Vivace — Data Link

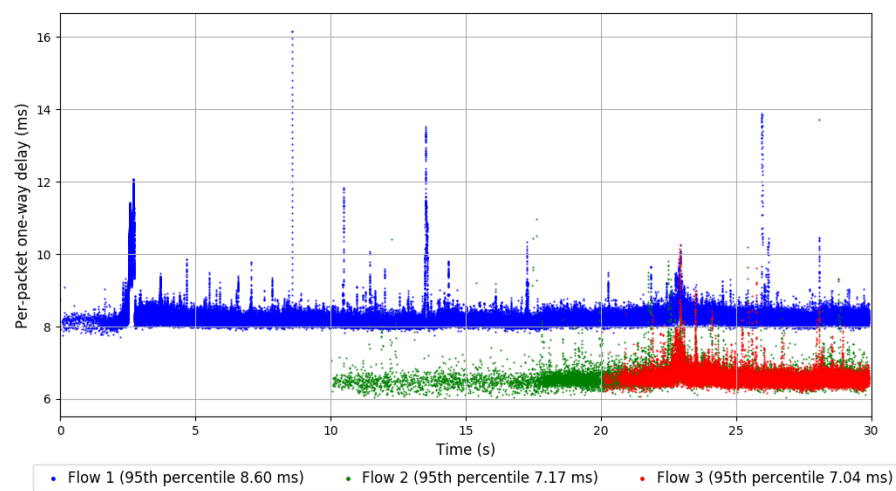
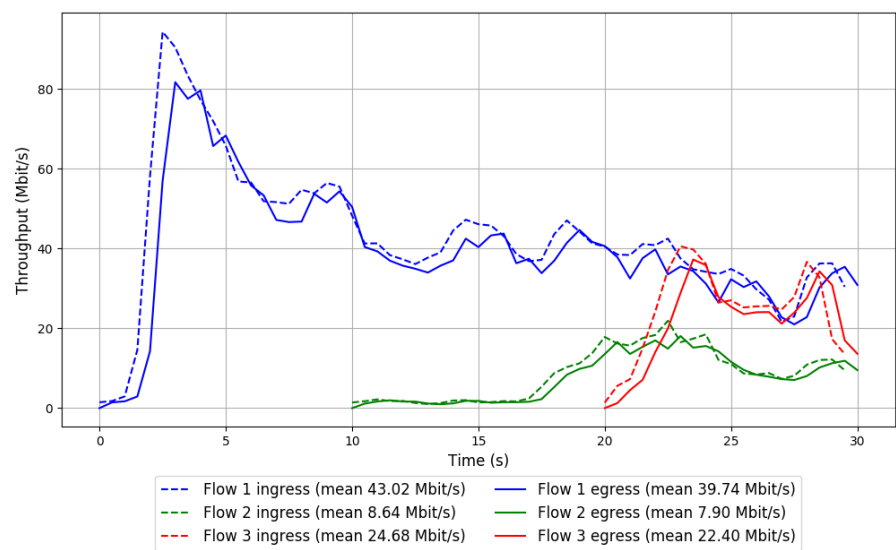


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-17 16:56:56
End at: 2018-07-17 16:57:26
Local clock offset: -0.076 ms
Remote clock offset: -11.049 ms

Below is generated by plot.py at 2018-07-17 20:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.39 Mbit/s
95th percentile per-packet one-way delay: 8.525 ms
Loss rate: 7.96%
-- Flow 1:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 8.603 ms
Loss rate: 7.63%
-- Flow 2:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 7.165 ms
Loss rate: 8.64%
-- Flow 3:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 7.045 ms
Loss rate: 9.25%

Run 2: Report of PCC-Vivace — Data Link

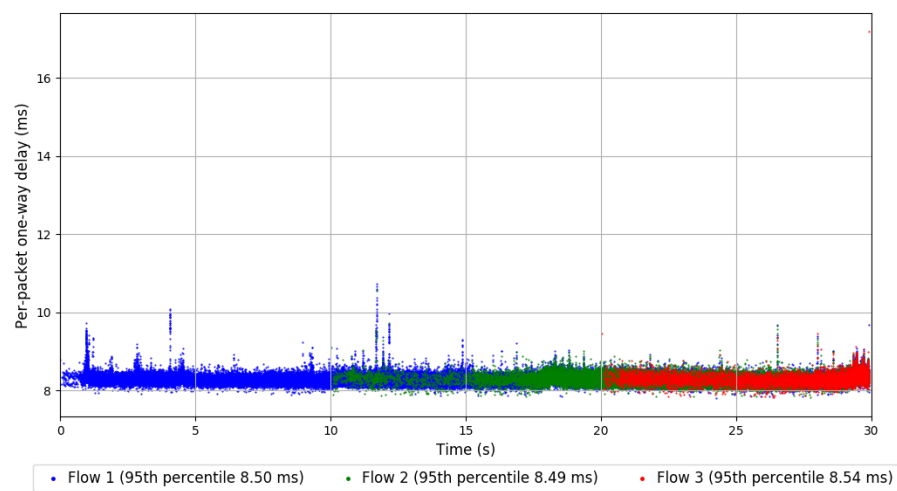
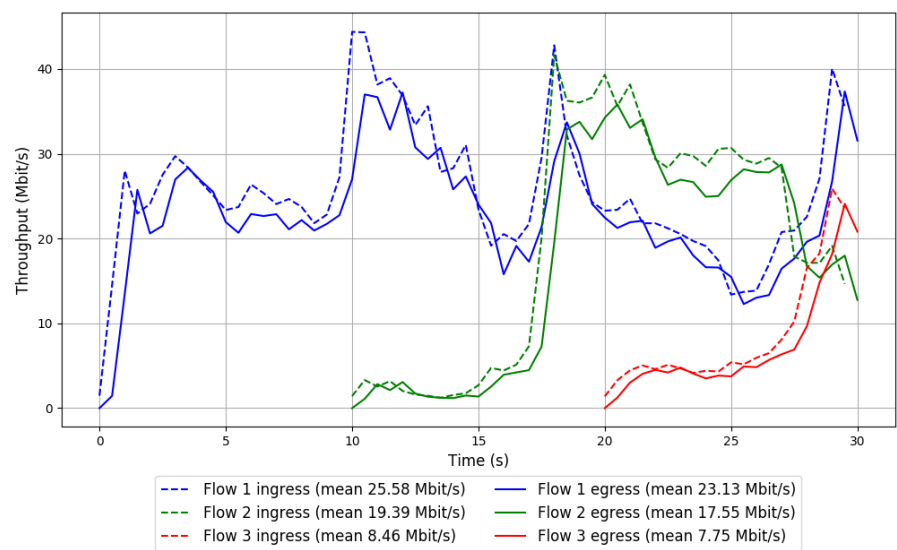


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-17 17:17:21
End at: 2018-07-17 17:17:51
Local clock offset: 0.799 ms
Remote clock offset: -7.339 ms

Below is generated by plot.py at 2018-07-17 20:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 8.501 ms
Loss rate: 9.46%
-- Flow 1:
Average throughput: 23.13 Mbit/s
95th percentile per-packet one-way delay: 8.503 ms
Loss rate: 9.57%
-- Flow 2:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 8.490 ms
Loss rate: 9.50%
-- Flow 3:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 8.541 ms
Loss rate: 8.25%

Run 3: Report of PCC-Vivace — Data Link

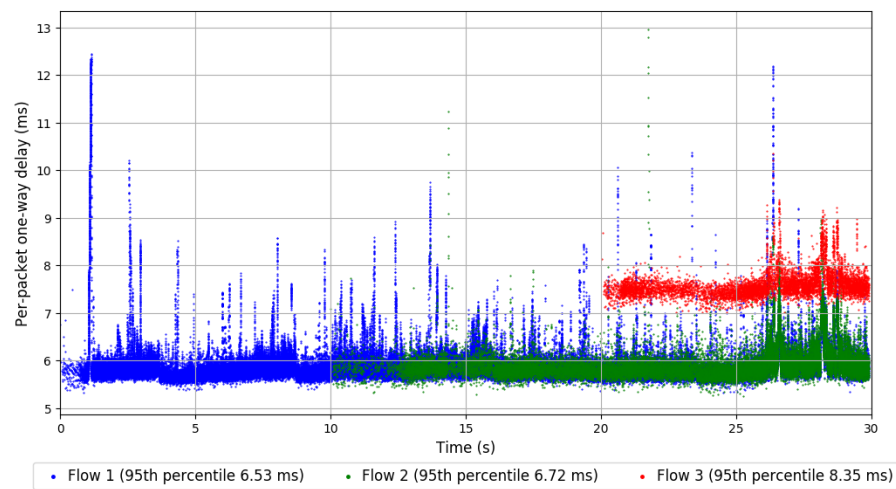
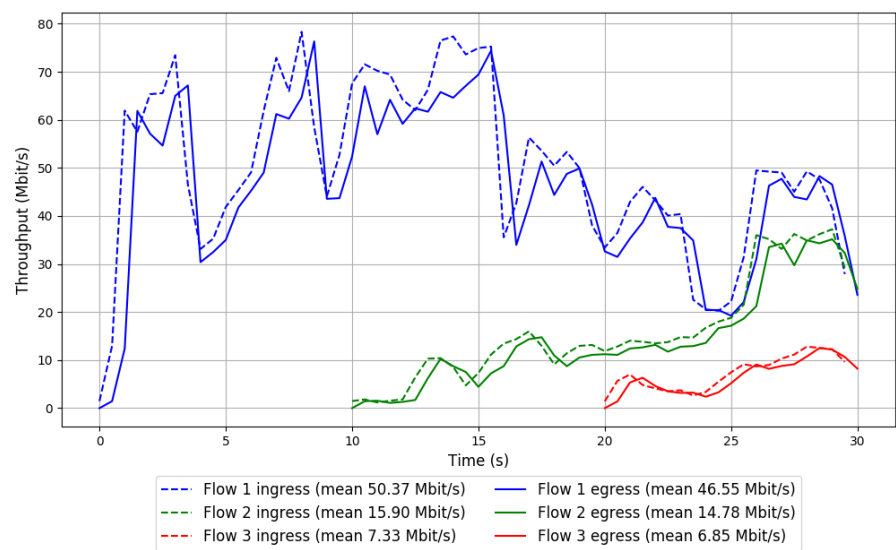


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-17 17:37:26
End at: 2018-07-17 17:37:56
Local clock offset: 1.891 ms
Remote clock offset: -4.057 ms

Below is generated by plot.py at 2018-07-17 20:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 7.381 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 6.528 ms
Loss rate: 7.58%
-- Flow 2:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 6.723 ms
Loss rate: 7.07%
-- Flow 3:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 8.346 ms
Loss rate: 6.51%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-17 17:57:10

End at: 2018-07-17 17:57:40

Local clock offset: 2.122 ms

Remote clock offset: 5.099 ms

Below is generated by plot.py at 2018-07-17 20:19:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.40 Mbit/s

95th percentile per-packet one-way delay: 6.745 ms

Loss rate: 8.97%

-- Flow 1:

Average throughput: 38.13 Mbit/s

95th percentile per-packet one-way delay: 6.766 ms

Loss rate: 9.03%

-- Flow 2:

Average throughput: 22.77 Mbit/s

95th percentile per-packet one-way delay: 5.812 ms

Loss rate: 8.73%

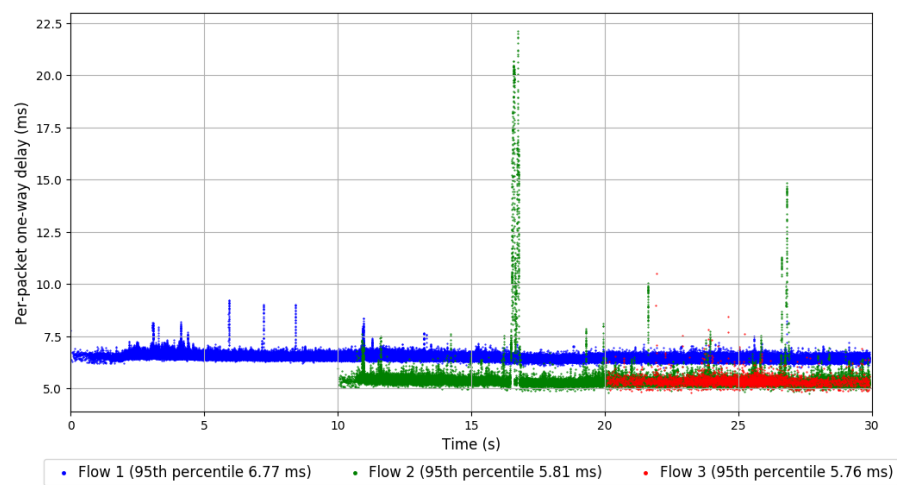
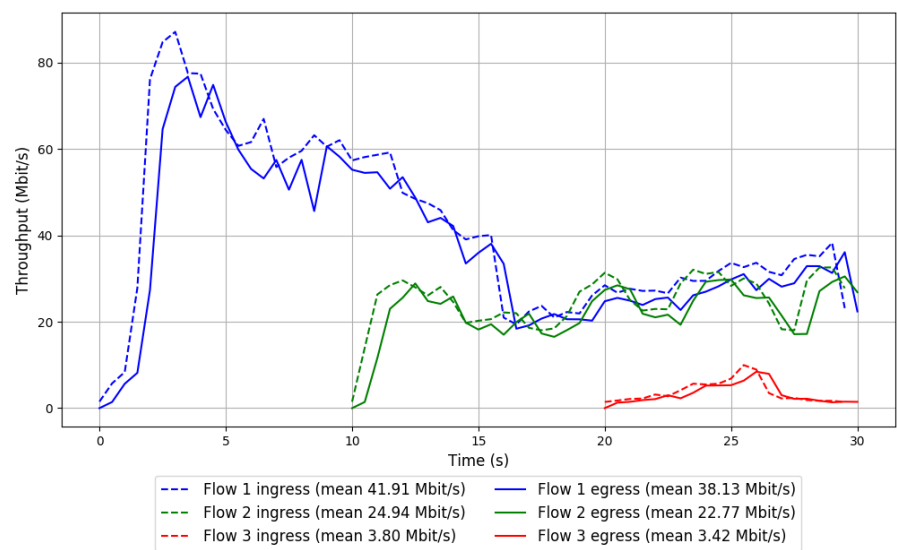
-- Flow 3:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 5.756 ms

Loss rate: 10.08%

Run 5: Report of PCC-Vivace — Data Link

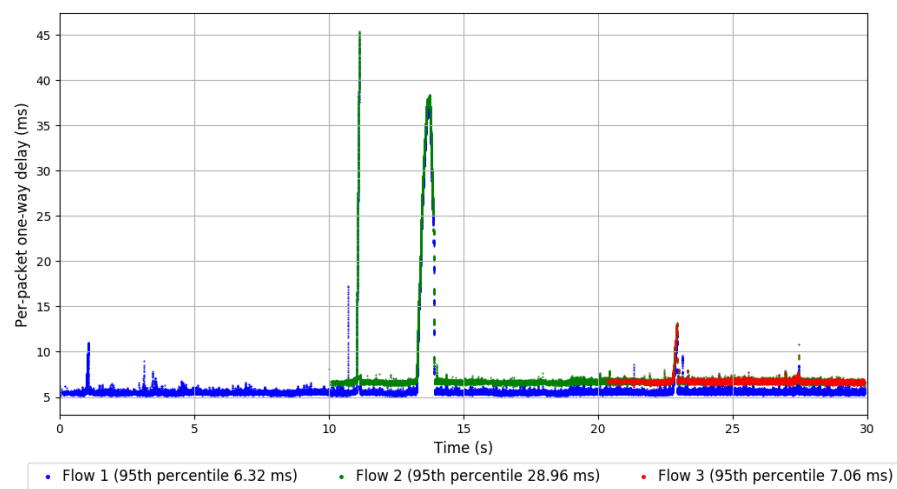
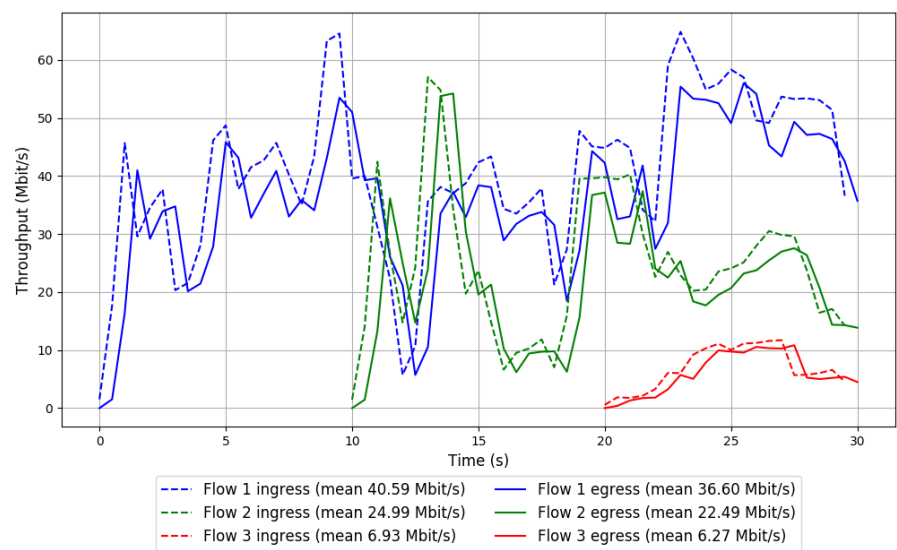


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-17 18:17:04
End at: 2018-07-17 18:17:34
Local clock offset: 1.509 ms
Remote clock offset: 10.077 ms

Below is generated by plot.py at 2018-07-17 20:19:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.63 Mbit/s
95th percentile per-packet one-way delay: 9.652 ms
Loss rate: 9.86%
-- Flow 1:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 6.318 ms
Loss rate: 9.83%
-- Flow 2:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 28.957 ms
Loss rate: 10.00%
-- Flow 3:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 7.060 ms
Loss rate: 9.48%

Run 6: Report of PCC-Vivace — Data Link

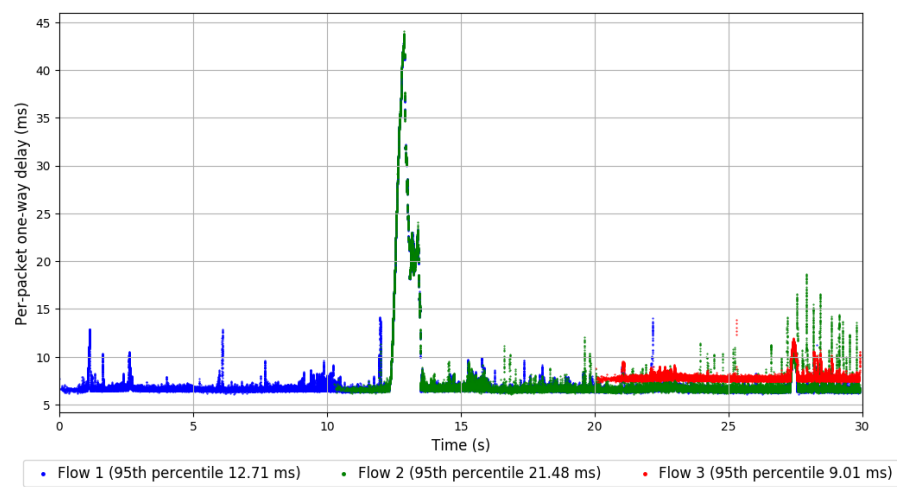
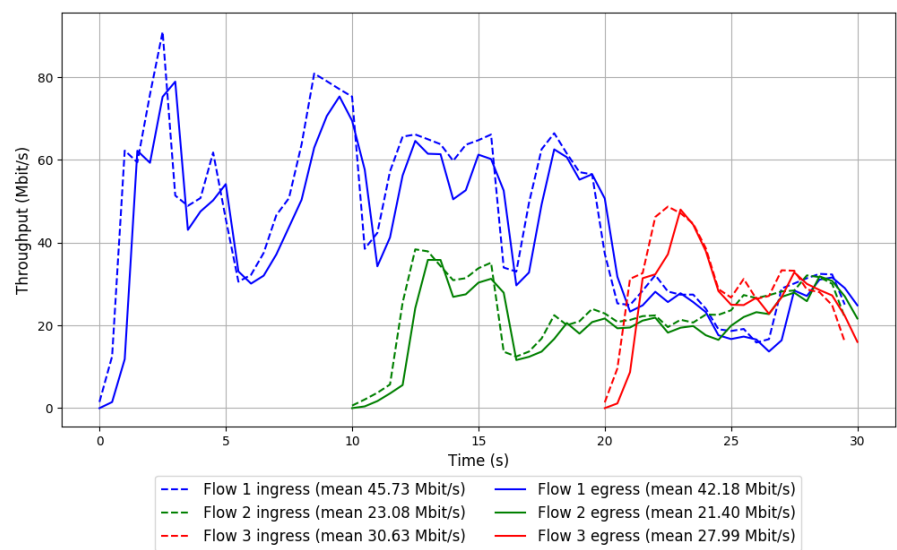


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-17 18:37:11
End at: 2018-07-17 18:37:41
Local clock offset: -4.217 ms
Remote clock offset: 14.486 ms

Below is generated by plot.py at 2018-07-17 20:19:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.47 Mbit/s
95th percentile per-packet one-way delay: 14.083 ms
Loss rate: 8.04%
-- Flow 1:
Average throughput: 42.18 Mbit/s
95th percentile per-packet one-way delay: 12.709 ms
Loss rate: 7.77%
-- Flow 2:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 21.482 ms
Loss rate: 8.47%
-- Flow 3:
Average throughput: 27.99 Mbit/s
95th percentile per-packet one-way delay: 9.013 ms
Loss rate: 8.60%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-17 18:57:24

End at: 2018-07-17 18:57:54

Local clock offset: -9.76 ms

Remote clock offset: 2.168 ms

Below is generated by plot.py at 2018-07-17 20:19:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.98 Mbit/s

95th percentile per-packet one-way delay: 11.821 ms

Loss rate: 10.64%

-- Flow 1:

Average throughput: 31.00 Mbit/s

95th percentile per-packet one-way delay: 10.785 ms

Loss rate: 9.73%

-- Flow 2:

Average throughput: 16.54 Mbit/s

95th percentile per-packet one-way delay: 11.942 ms

Loss rate: 12.74%

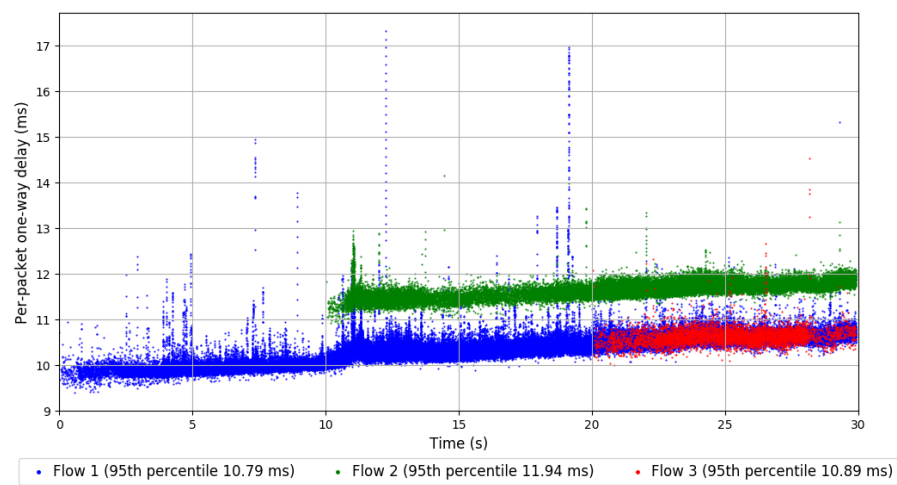
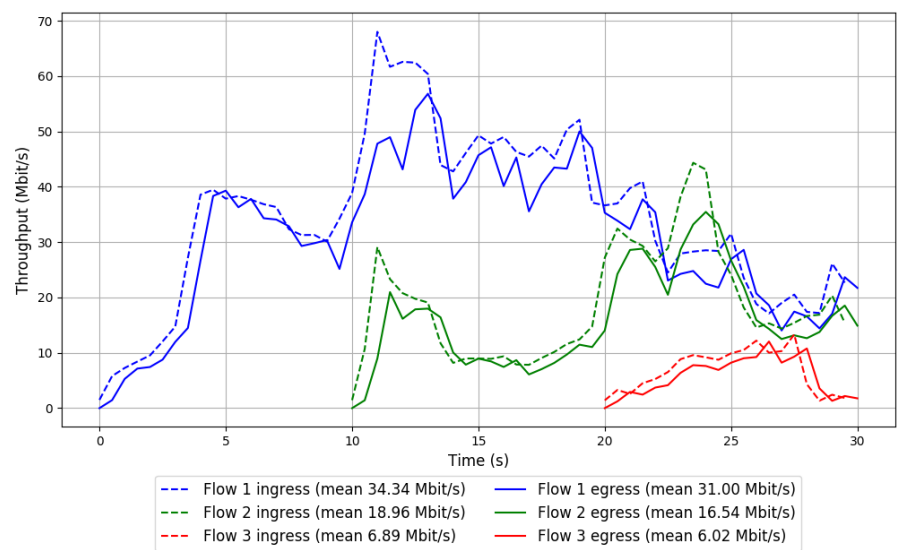
-- Flow 3:

Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 10.891 ms

Loss rate: 12.69%

Run 8: Report of PCC-Vivace — Data Link

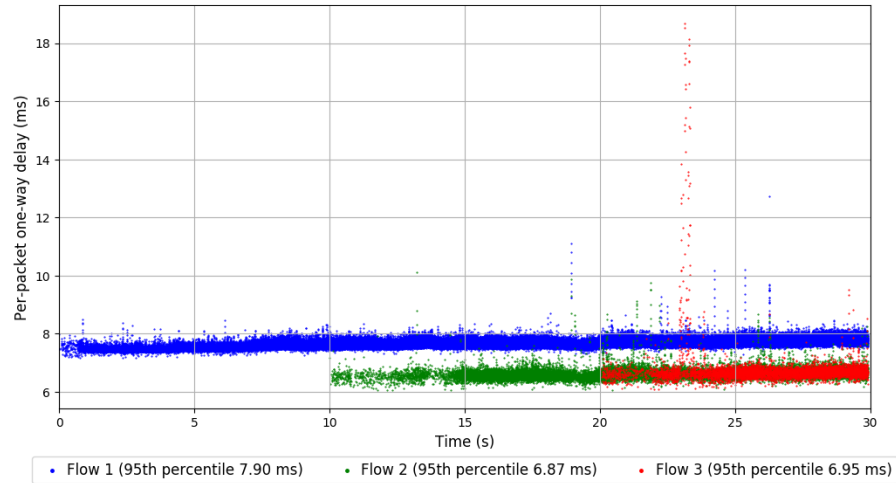
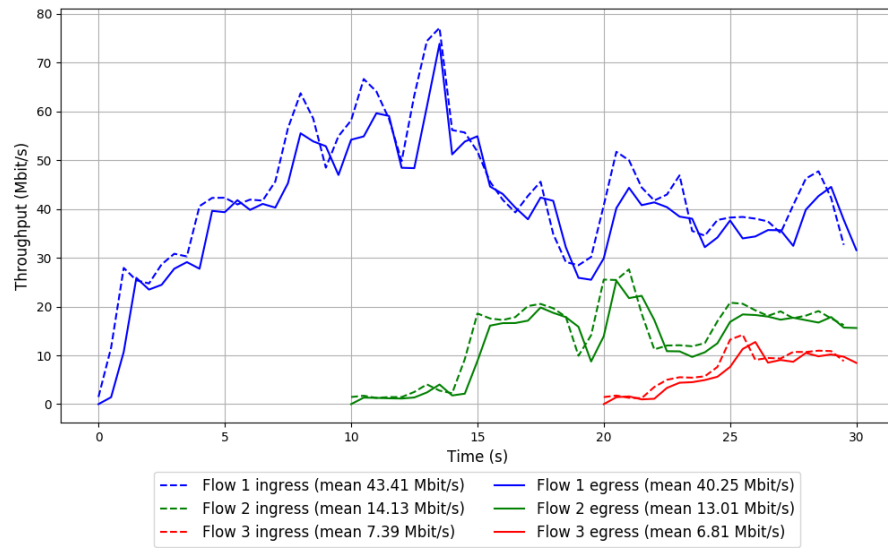


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-17 19:17:40
End at: 2018-07-17 19:18:10
Local clock offset: -7.315 ms
Remote clock offset: -14.455 ms

Below is generated by plot.py at 2018-07-17 20:19:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 7.878 ms
Loss rate: 7.42%
-- Flow 1:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 7.896 ms
Loss rate: 7.29%
-- Flow 2:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 6.869 ms
Loss rate: 7.90%
-- Flow 3:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 6.947 ms
Loss rate: 7.83%

Run 9: Report of PCC-Vivace — Data Link

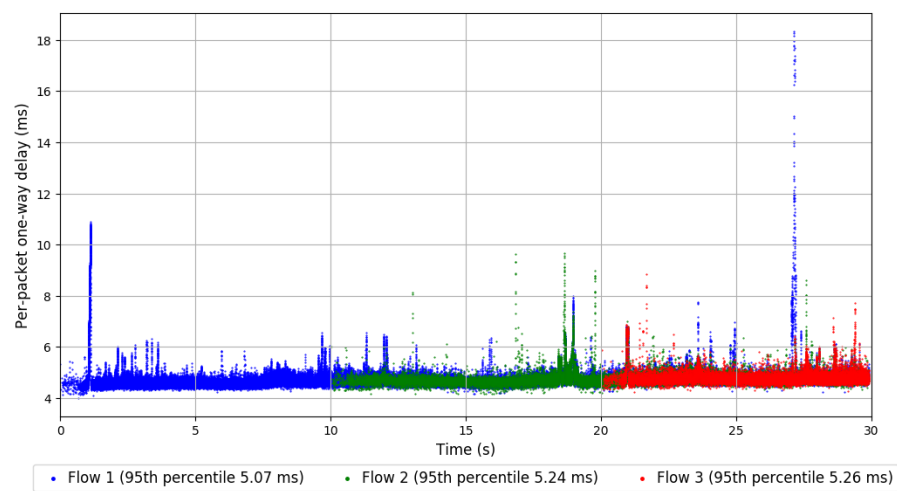
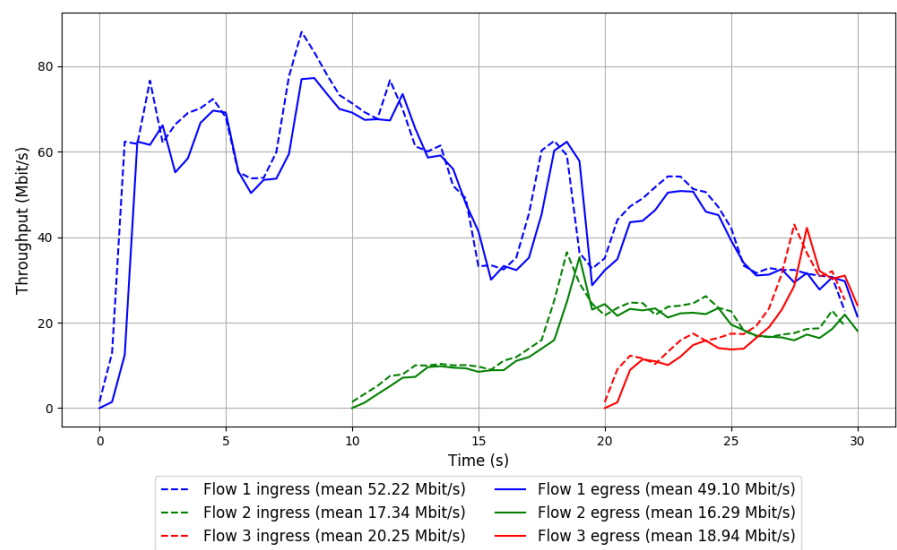


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-17 19:38:11
End at: 2018-07-17 19:38:41
Local clock offset: -2.167 ms
Remote clock offset: -18.292 ms

Below is generated by plot.py at 2018-07-17 20:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.18 Mbit/s
95th percentile per-packet one-way delay: 5.124 ms
Loss rate: 6.04%
-- Flow 1:
Average throughput: 49.10 Mbit/s
95th percentile per-packet one-way delay: 5.071 ms
Loss rate: 5.97%
-- Flow 2:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 5.238 ms
Loss rate: 6.09%
-- Flow 3:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 5.262 ms
Loss rate: 6.45%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-17 16:37:48

End at: 2018-07-17 16:38:18

Local clock offset: -1.644 ms

Remote clock offset: -8.82 ms

Below is generated by plot.py at 2018-07-17 20:19:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.07 Mbit/s

95th percentile per-packet one-way delay: 14.094 ms

Loss rate: 2.34%

-- Flow 1:

Average throughput: 2.75 Mbit/s

95th percentile per-packet one-way delay: 13.433 ms

Loss rate: 2.11%

-- Flow 2:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 14.782 ms

Loss rate: 2.39%

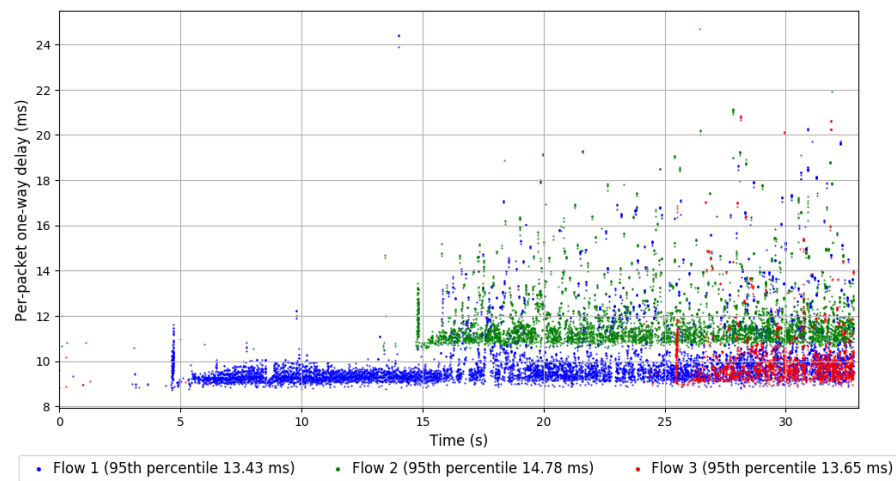
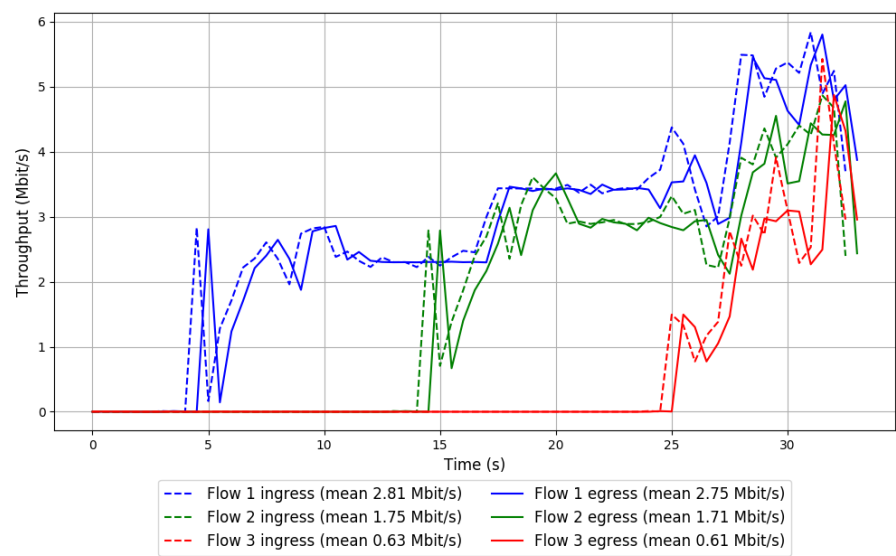
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 13.654 ms

Loss rate: 3.23%

Run 1: Report of WebRTC media — Data Link

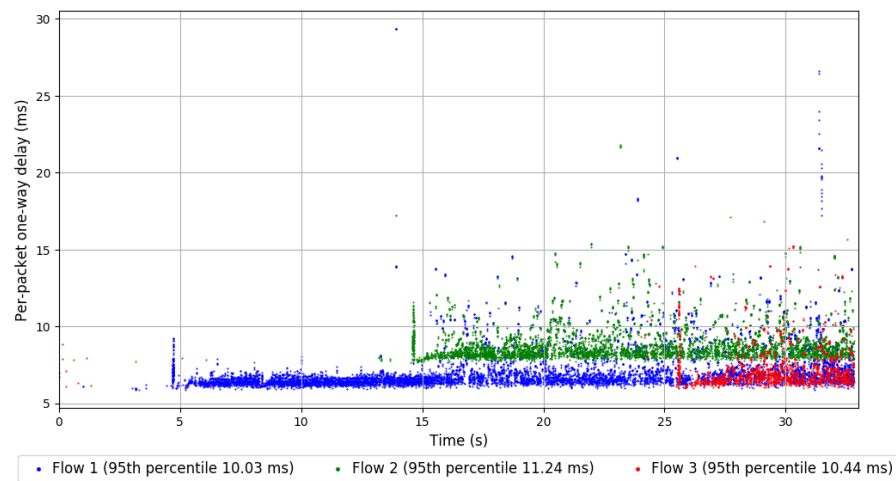
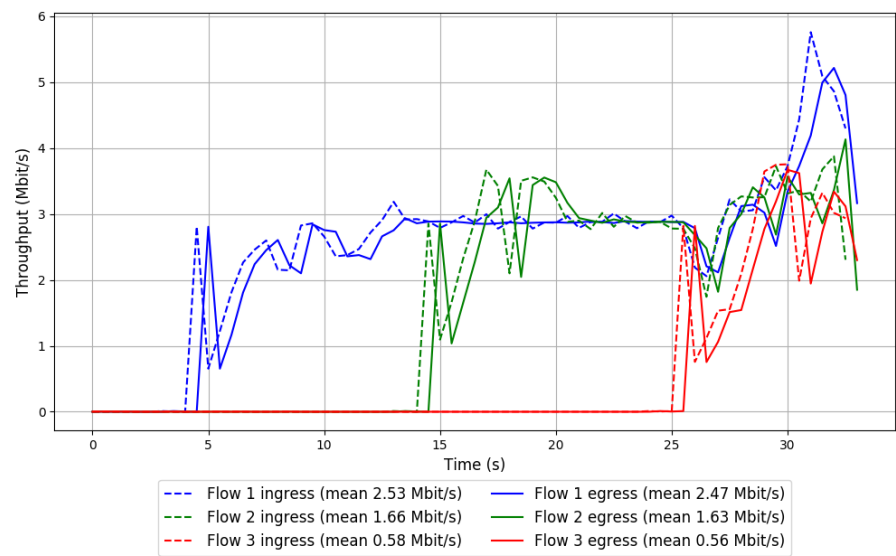


Run 2: Statistics of WebRTC media

Start at: 2018-07-17 16:58:06
End at: 2018-07-17 16:58:36
Local clock offset: 0.045 ms
Remote clock offset: -11.135 ms

Below is generated by plot.py at 2018-07-17 20:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 10.687 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 10.033 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 11.243 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 10.437 ms
Loss rate: 3.82%

Run 2: Report of WebRTC media — Data Link

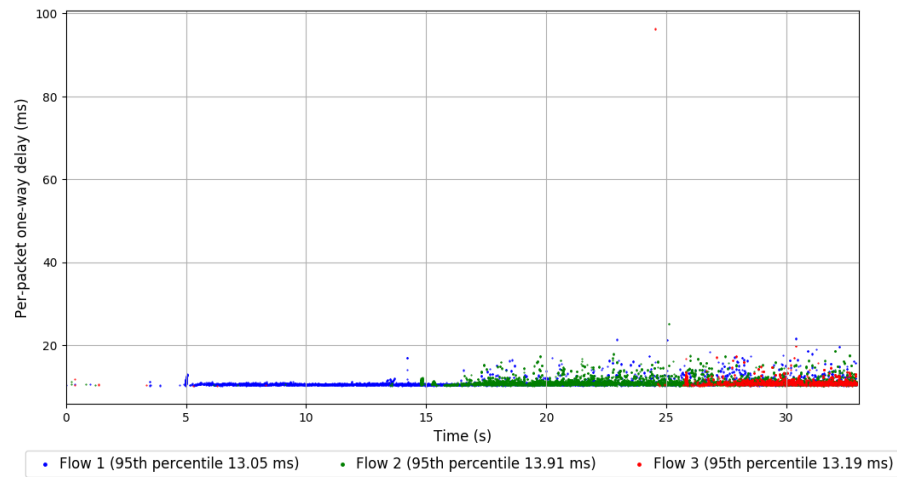
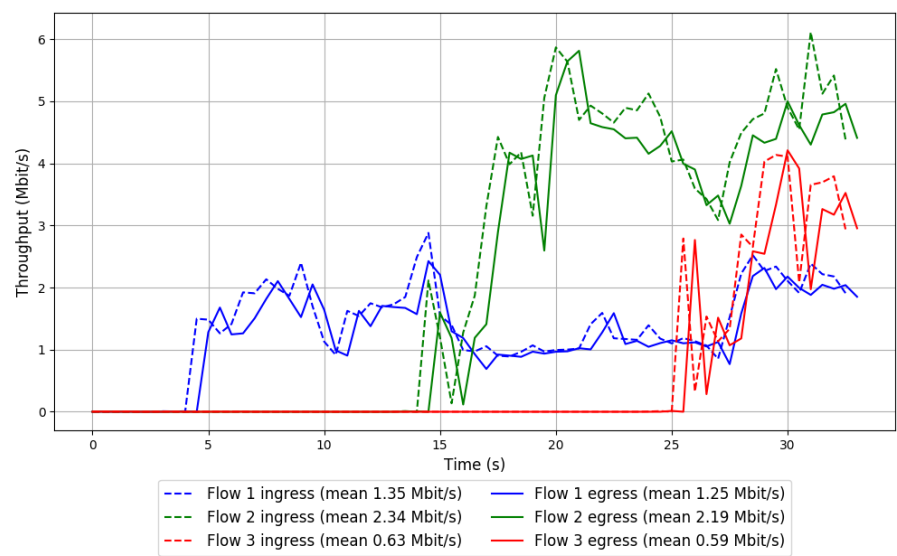


Run 3: Statistics of WebRTC media

Start at: 2018-07-17 17:18:30
End at: 2018-07-17 17:19:00
Local clock offset: -0.96 ms
Remote clock offset: -6.597 ms

Below is generated by plot.py at 2018-07-17 20:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 13.564 ms
Loss rate: 6.92%
-- Flow 1:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 13.049 ms
Loss rate: 7.41%
-- Flow 2:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 13.913 ms
Loss rate: 6.69%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 13.189 ms
Loss rate: 6.74%

Run 3: Report of WebRTC media — Data Link

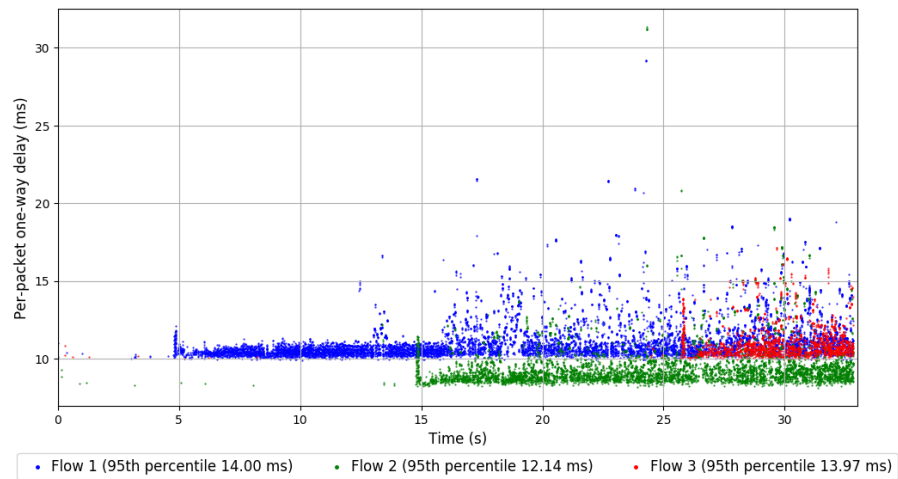
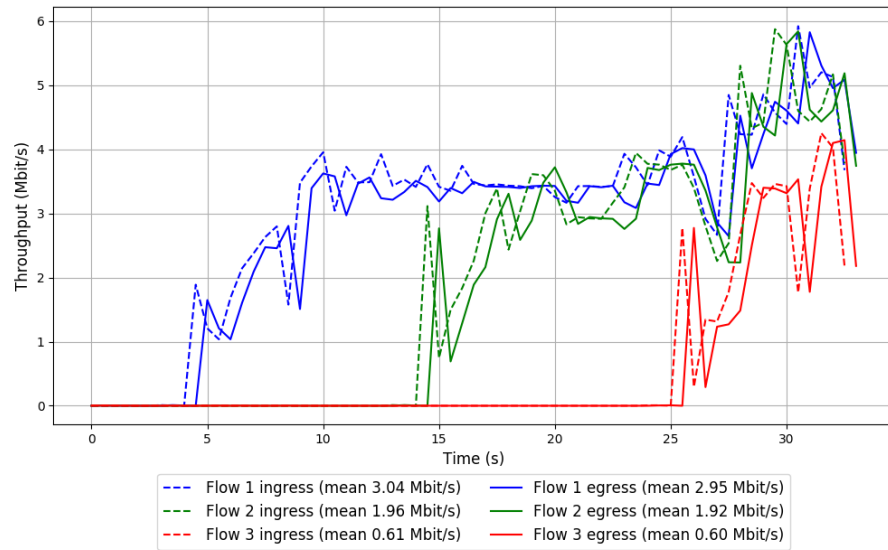


Run 4: Statistics of WebRTC media

Start at: 2018-07-17 17:38:37
End at: 2018-07-17 17:39:07
Local clock offset: -0.438 ms
Remote clock offset: -3.401 ms

Below is generated by plot.py at 2018-07-17 20:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 13.663 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 13.996 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 12.144 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 13.966 ms
Loss rate: 1.47%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-17 17:58:20

End at: 2018-07-17 17:58:50

Local clock offset: 0.122 ms

Remote clock offset: 4.959 ms

Below is generated by plot.py at 2018-07-17 20:19:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 10.266 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 9.428 ms

Loss rate: 2.29%

-- Flow 2:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 10.876 ms

Loss rate: 0.89%

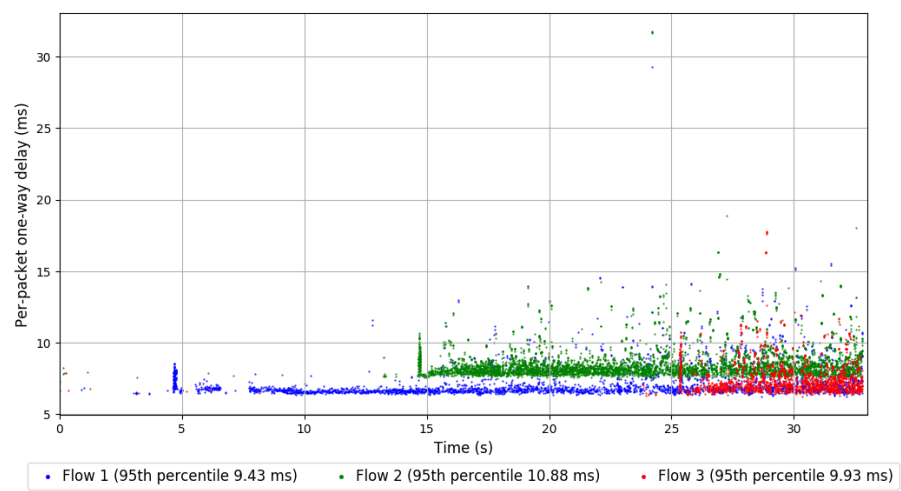
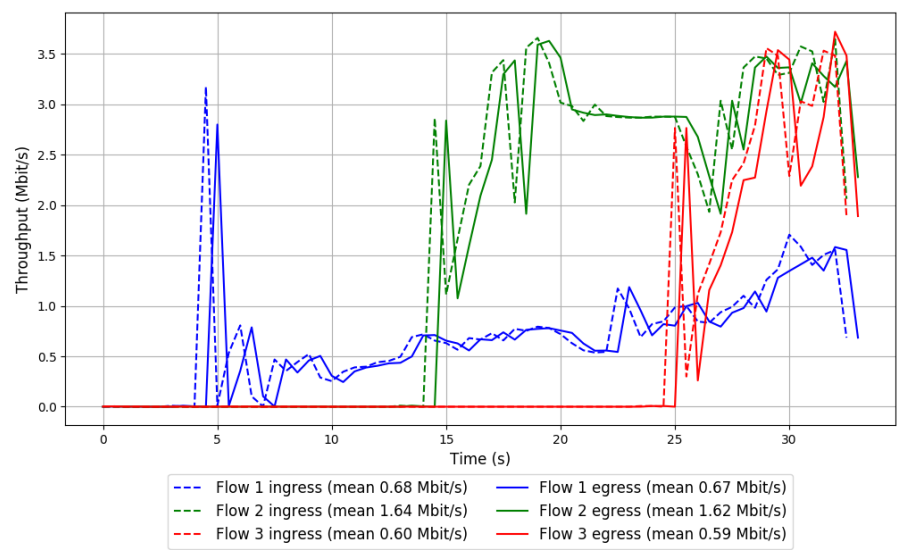
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 9.926 ms

Loss rate: 1.89%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-17 18:18:14

End at: 2018-07-17 18:18:44

Local clock offset: -2.565 ms

Remote clock offset: 3.624 ms

Below is generated by plot.py at 2018-07-17 20:19:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 6.774 ms

Loss rate: 3.09%

-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 7.187 ms

Loss rate: 2.45%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 5.751 ms

Loss rate: 2.85%

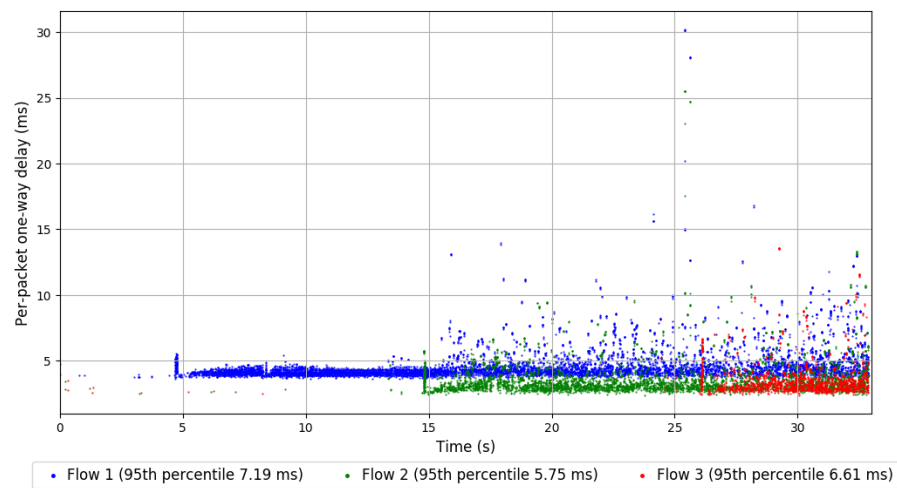
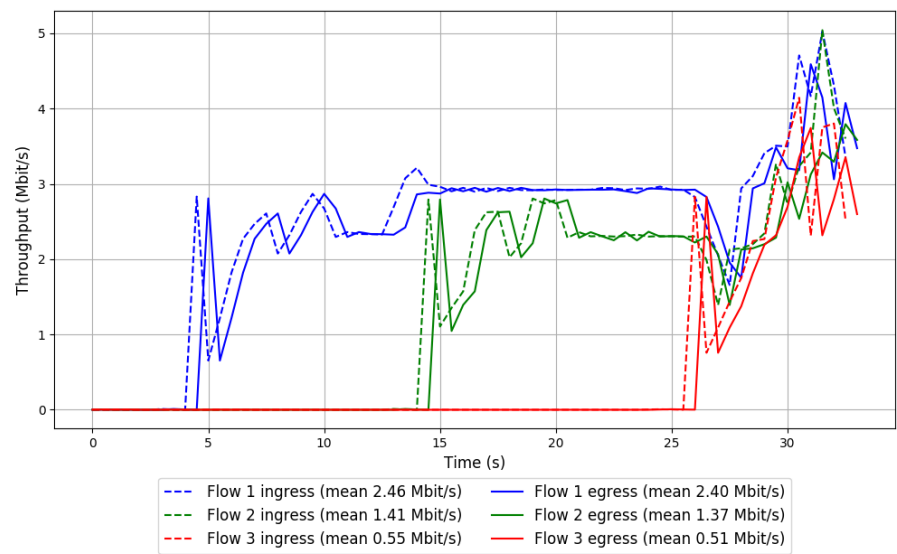
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 6.611 ms

Loss rate: 6.57%

Run 6: Report of WebRTC media — Data Link

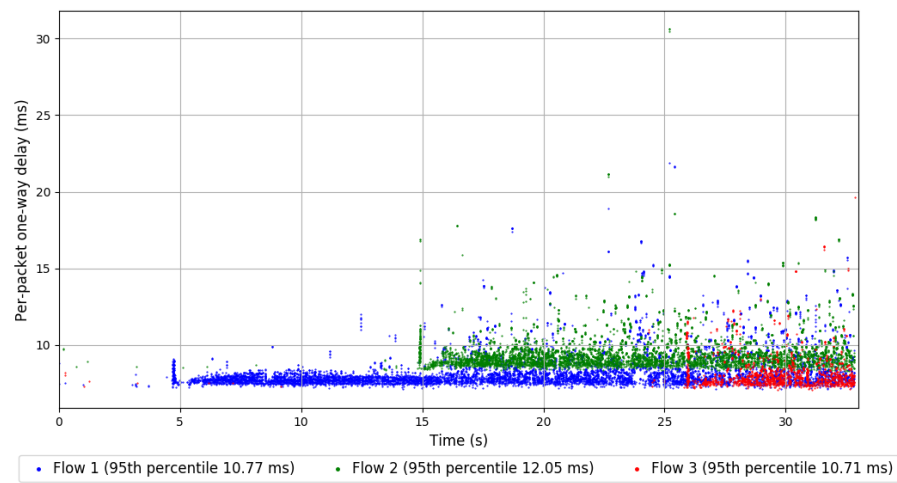
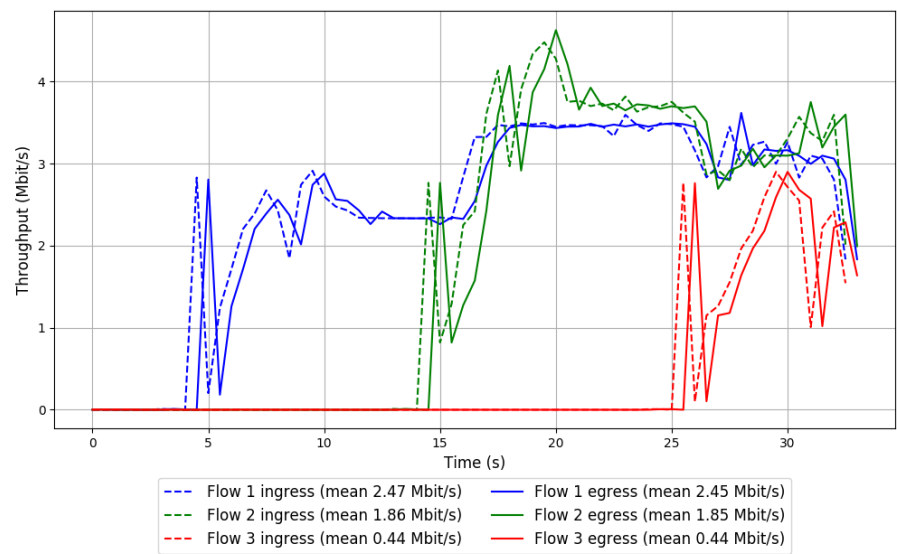


Run 7: Statistics of WebRTC media

Start at: 2018-07-17 18:38:22
End at: 2018-07-17 18:38:52
Local clock offset: -5.575 ms
Remote clock offset: 14.627 ms

Below is generated by plot.py at 2018-07-17 20:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 11.329 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 10.765 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 12.048 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 10.707 ms
Loss rate: 0.13%

Run 7: Report of WebRTC media — Data Link

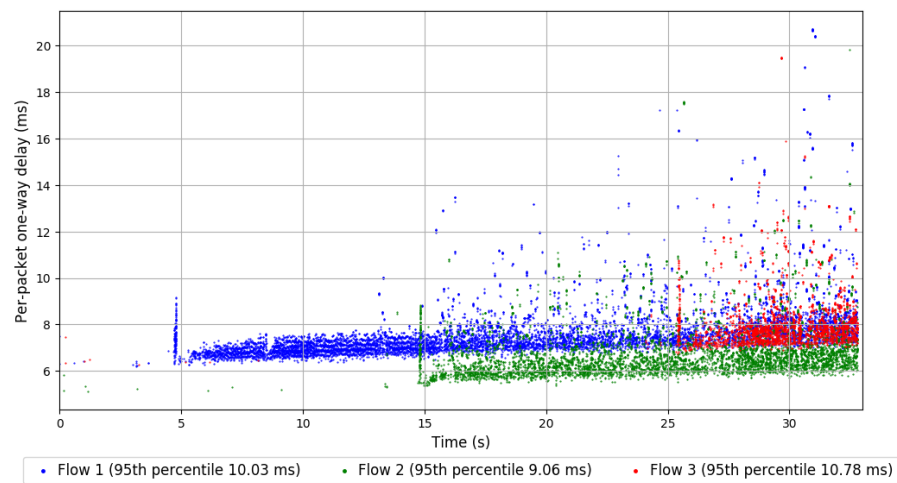
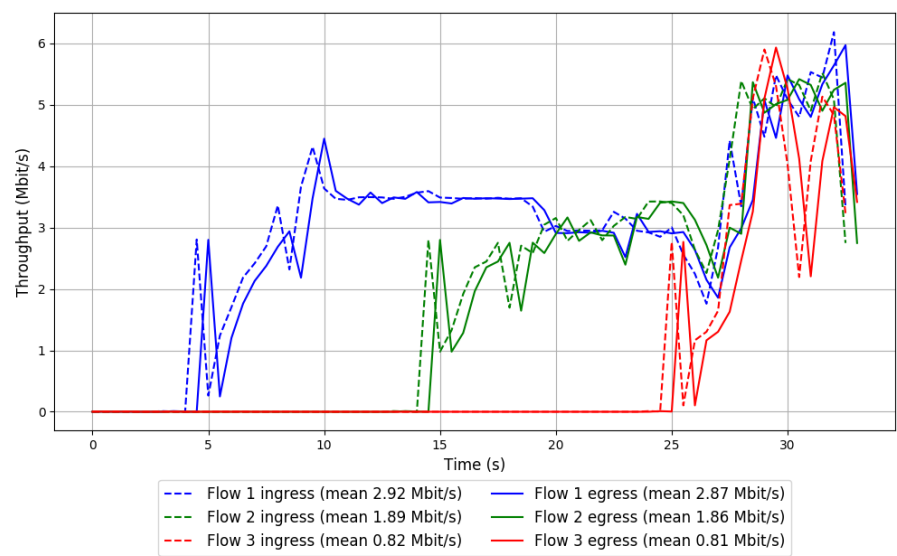


Run 8: Statistics of WebRTC media

Start at: 2018-07-17 18:58:34
End at: 2018-07-17 18:59:04
Local clock offset: -5.983 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-07-17 20:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.52 Mbit/s
95th percentile per-packet one-way delay: 9.824 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 10.025 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 9.057 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 10.780 ms
Loss rate: 1.78%

Run 8: Report of WebRTC media — Data Link

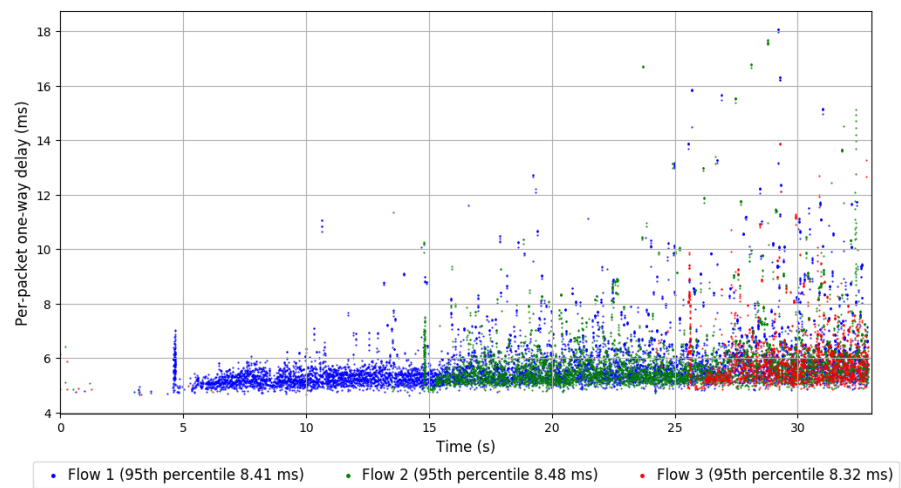
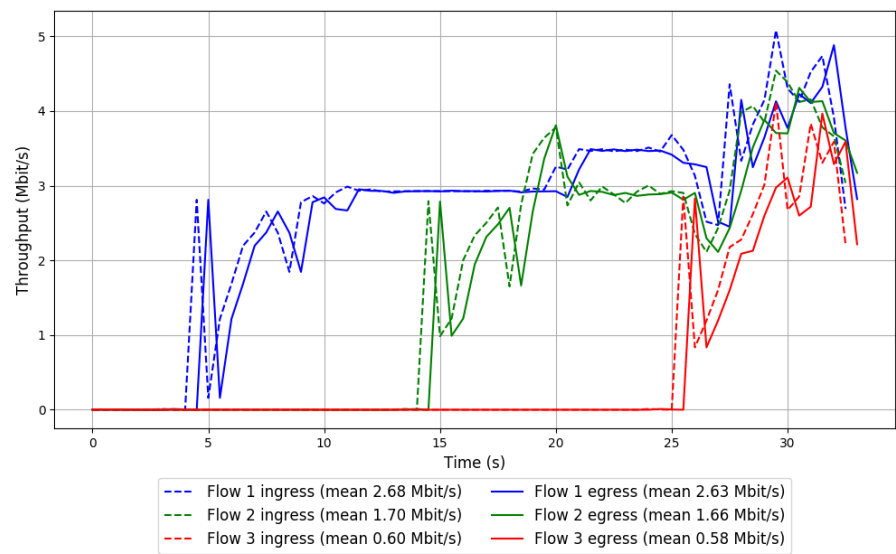


Run 9: Statistics of WebRTC media

Start at: 2018-07-17 19:18:52
End at: 2018-07-17 19:19:22
Local clock offset: -5.877 ms
Remote clock offset: -14.747 ms

Below is generated by plot.py at 2018-07-17 20:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 8.413 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 8.415 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 8.478 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 8.318 ms
Loss rate: 3.64%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-17 19:39:25
End at: 2018-07-17 19:39:55
Local clock offset: -3.455 ms
Remote clock offset: -19.083 ms

Below is generated by plot.py at 2018-07-17 20:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 8.817 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 8.812 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 8.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 9.246 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

