

Pantheon Report

Generated at 2018-06-30 19:29:42 (UTC).

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

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.

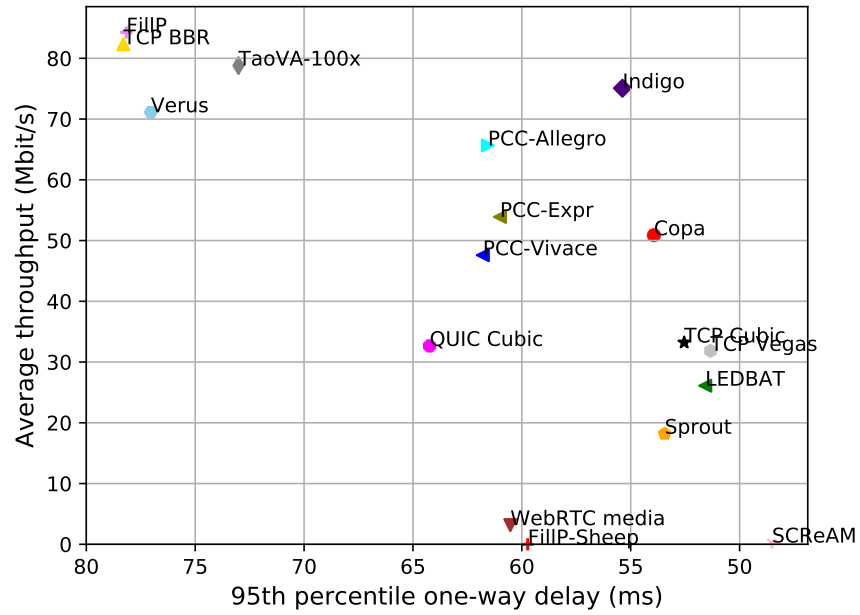
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

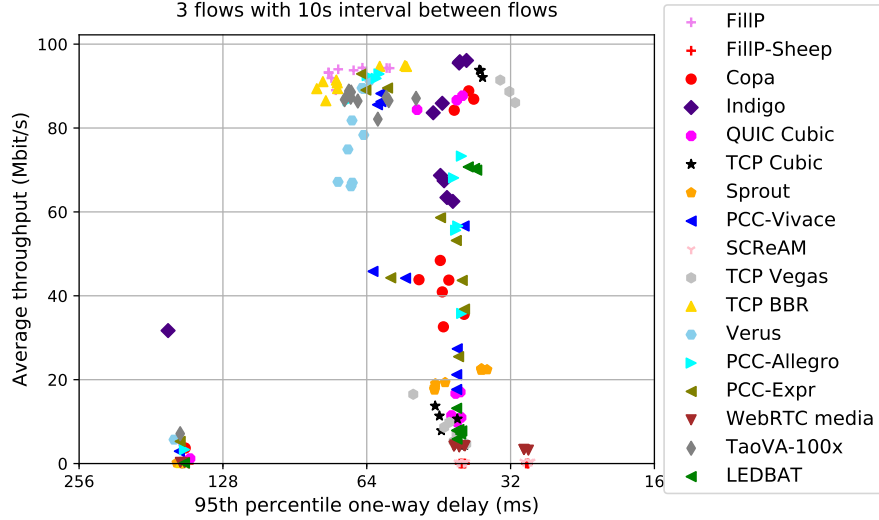
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf90c077e64d
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 Mexico to AWS California 2, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Mexico to AWS California 2, 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	50.74	34.46	26.36	74.32	79.75	83.68	6.67	8.90	8.62
Copa	10	28.79	22.18	22.12	53.39	54.89	54.81	3.74	5.12	4.42
TCP Cubic	10	19.16	14.73	12.94	51.67	52.34	52.89	4.39	3.33	5.80
FillP	10	50.17	36.29	30.19	77.01	74.07	74.77	5.65	8.02	7.81
FillP-Sheep	10	0.00	0.00	0.00	58.51	59.74	59.63	5.40	7.60	4.89
Indigo	10	46.99	28.64	27.79	54.67	55.88	55.31	4.81	3.67	6.02
LEDBAT	10	14.81	12.30	9.23	51.28	51.76	50.70	4.91	3.72	4.77
PCC-Allegro	10	41.61	24.15	24.35	60.31	59.72	64.98	4.77	4.77	5.83
PCC-Expr	10	32.69	23.95	16.04	59.94	57.46	59.03	4.59	4.28	4.47
QUIC Cubic	10	17.92	15.64	13.19	62.19	64.43	69.72	7.58	5.88	6.12
SCReAM	10	0.14	0.15	0.17	48.29	47.96	48.66	4.61	3.56	5.00
Sprout	10	9.19	9.13	8.93	53.59	53.15	52.91	5.34	3.74	5.06
TaoVA-100x	10	46.02	33.65	31.36	72.48	74.75	68.50	2.80	4.97	5.12
TCP Vegas	10	18.24	12.93	15.05	51.07	51.67	52.55	5.03	4.81	6.11
Verus	10	42.36	31.97	22.99	74.41	77.32	80.85	6.77	6.68	7.39
PCC-Vivace	10	29.59	21.08	12.15	59.82	62.02	57.90	4.03	4.66	4.96
WebRTC media	10	1.76	1.00	0.40	60.23	60.54	60.41	9.15	6.66	8.26

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 14:17:10

End at: 2018-06-30 14:17:40

Local clock offset: 0.567 ms

Remote clock offset: 3.372 ms

Below is generated by plot.py at 2018-06-30 19:15:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 79.061 ms

Loss rate: 3.94%

-- Flow 1:

Average throughput: 52.15 Mbit/s

95th percentile per-packet one-way delay: 77.852 ms

Loss rate: 3.27%

-- Flow 2:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 82.180 ms

Loss rate: 4.77%

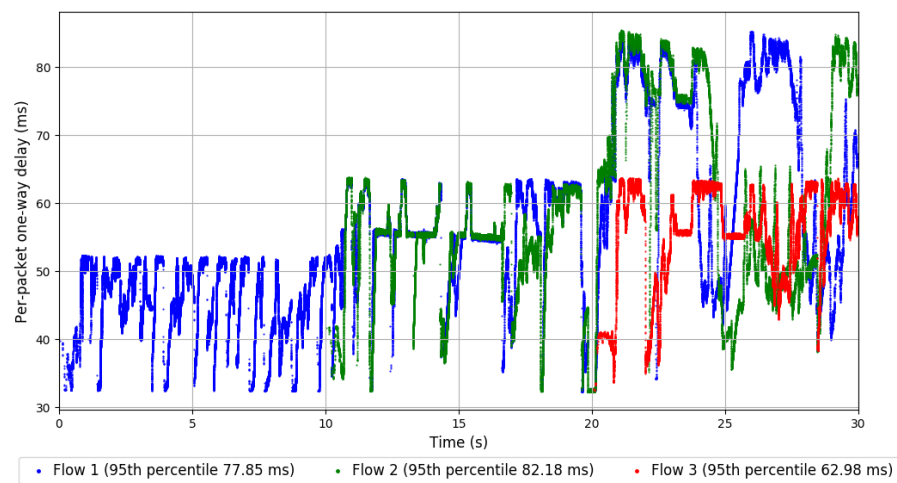
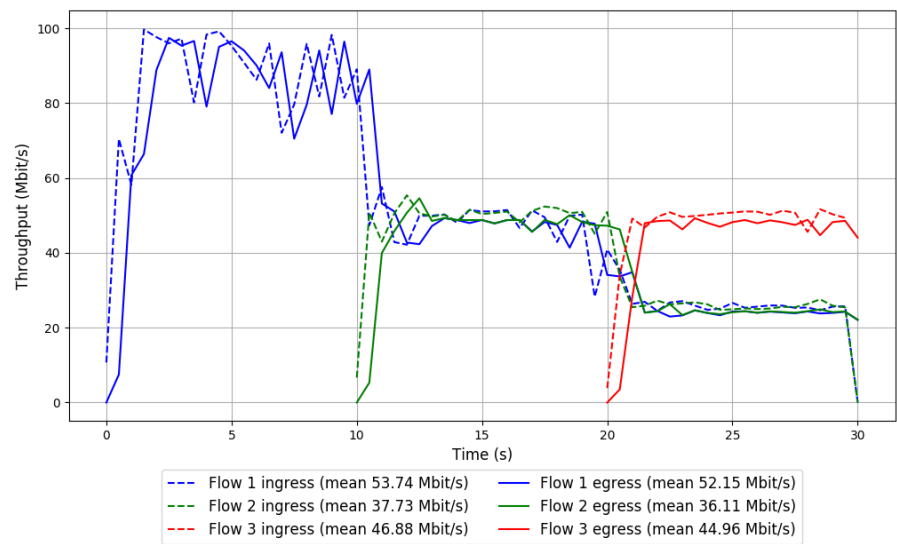
-- Flow 3:

Average throughput: 44.96 Mbit/s

95th percentile per-packet one-way delay: 62.975 ms

Loss rate: 4.86%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-30 14:44:33

End at: 2018-06-30 14:45:03

Local clock offset: 4.235 ms

Remote clock offset: 3.852 ms

Below is generated by plot.py at 2018-06-30 19:15:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.77 Mbit/s

95th percentile per-packet one-way delay: 73.772 ms

Loss rate: 4.06%

-- Flow 1:

Average throughput: 54.47 Mbit/s

95th percentile per-packet one-way delay: 72.928 ms

Loss rate: 3.32%

-- Flow 2:

Average throughput: 38.98 Mbit/s

95th percentile per-packet one-way delay: 73.671 ms

Loss rate: 4.36%

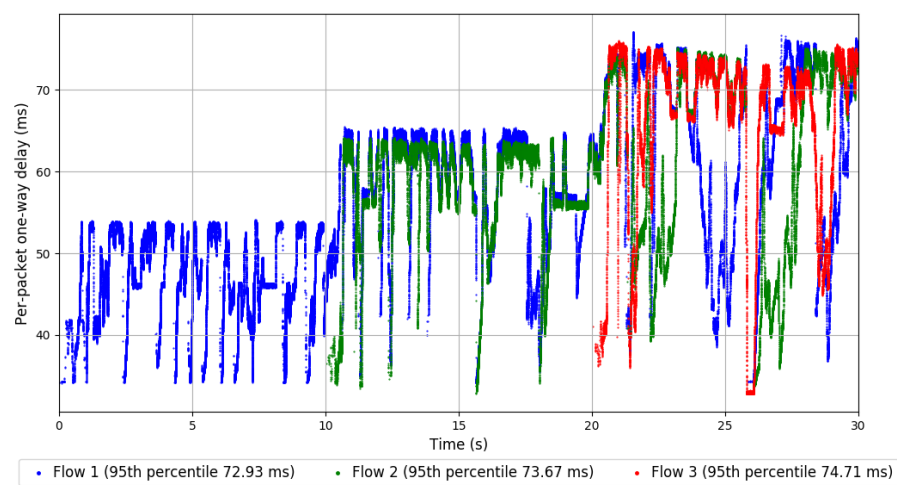
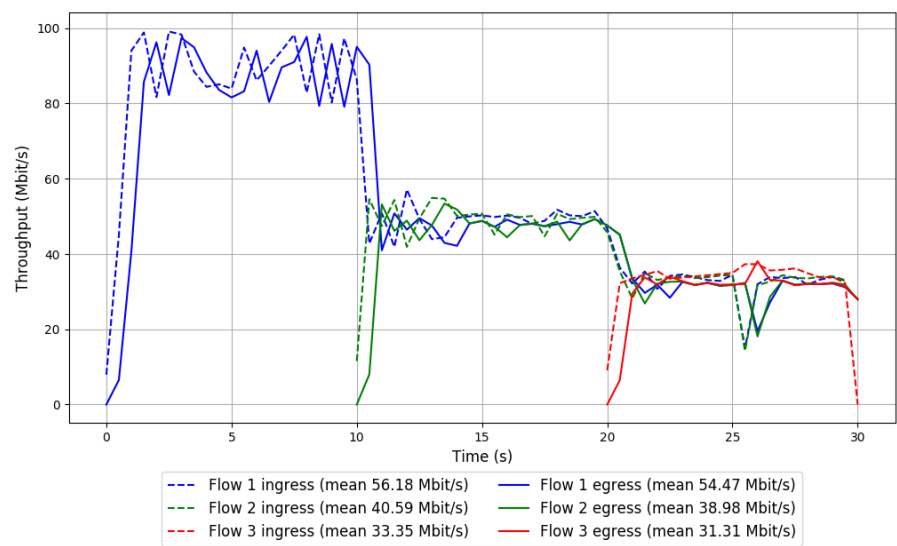
-- Flow 3:

Average throughput: 31.31 Mbit/s

95th percentile per-packet one-way delay: 74.706 ms

Loss rate: 7.07%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-30 15:12:15

End at: 2018-06-30 15:12:45

Local clock offset: 0.369 ms

Remote clock offset: 2.689 ms

Below is generated by plot.py at 2018-06-30 19:15:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.39 Mbit/s

95th percentile per-packet one-way delay: 81.427 ms

Loss rate: 4.23%

-- Flow 1:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 66.829 ms

Loss rate: 3.56%

-- Flow 2:

Average throughput: 45.33 Mbit/s

95th percentile per-packet one-way delay: 65.006 ms

Loss rate: 4.82%

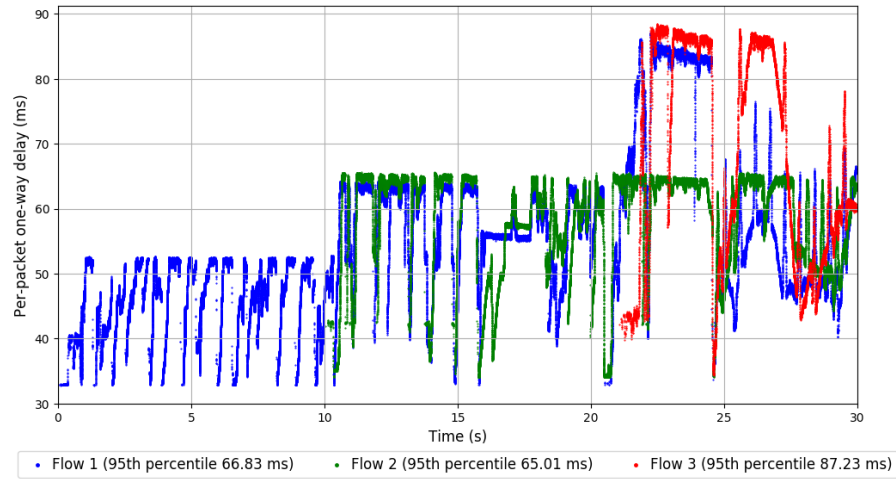
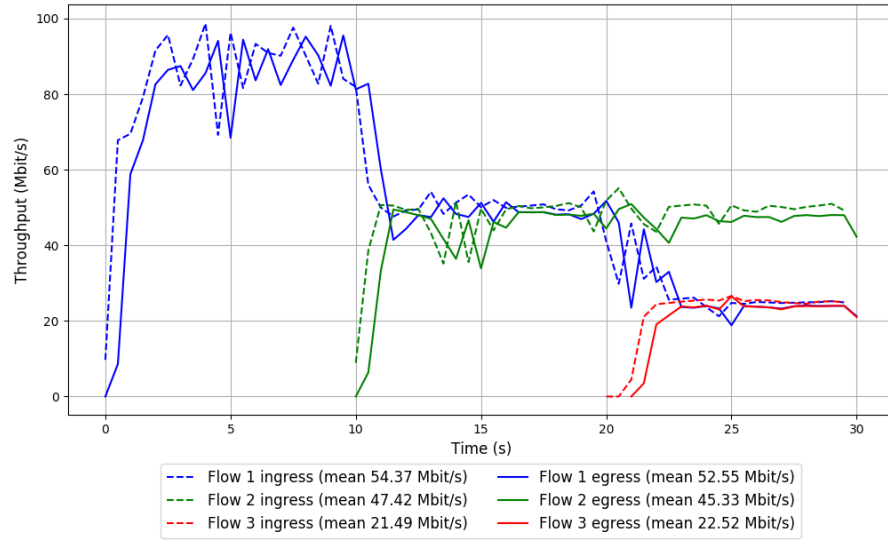
-- Flow 3:

Average throughput: 22.52 Mbit/s

95th percentile per-packet one-way delay: 87.229 ms

Loss rate: 6.68%

Run 3: Report of TCP BBR — Data Link

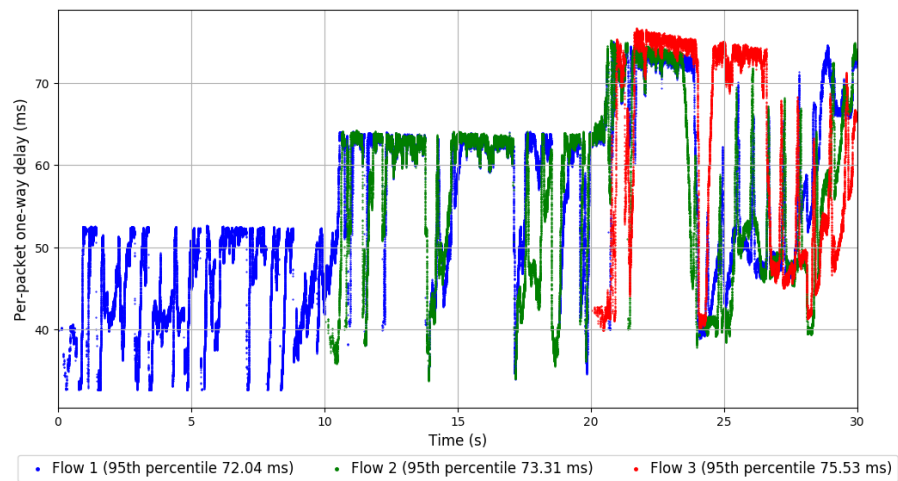
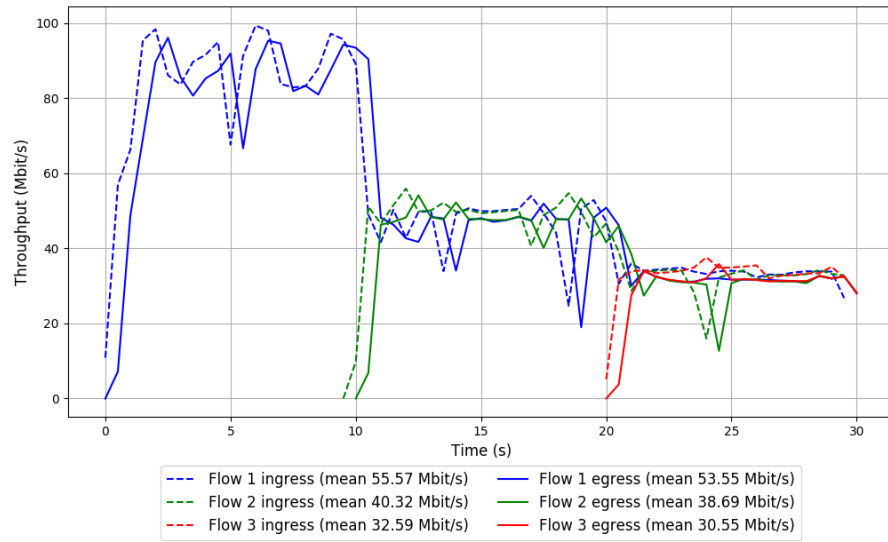


Run 4: Statistics of TCP BBR

Start at: 2018-06-30 15:41:07
End at: 2018-06-30 15:41:37
Local clock offset: 4.486 ms
Remote clock offset: -1.983 ms

Below is generated by plot.py at 2018-06-30 19:15:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.41 Mbit/s
95th percentile per-packet one-way delay: 73.654 ms
Loss rate: 4.23%
-- Flow 1:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 72.037 ms
Loss rate: 3.60%
-- Flow 2:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 73.315 ms
Loss rate: 4.40%
-- Flow 3:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 75.533 ms
Loss rate: 7.02%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-30 16:08:45

End at: 2018-06-30 16:09:15

Local clock offset: 0.96 ms

Remote clock offset: 2.063 ms

Below is generated by plot.py at 2018-06-30 19:15:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 77.949 ms

Loss rate: 4.75%

-- Flow 1:

Average throughput: 56.21 Mbit/s

95th percentile per-packet one-way delay: 63.610 ms

Loss rate: 4.17%

-- Flow 2:

Average throughput: 34.25 Mbit/s

95th percentile per-packet one-way delay: 80.719 ms

Loss rate: 5.55%

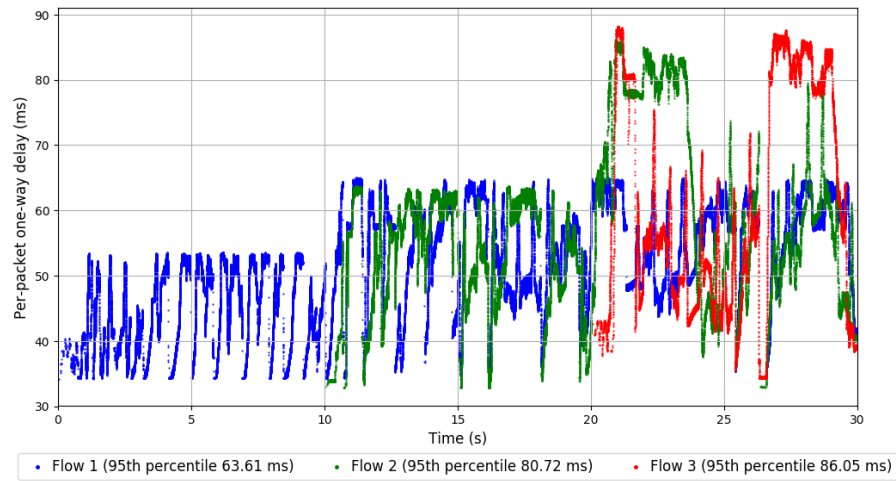
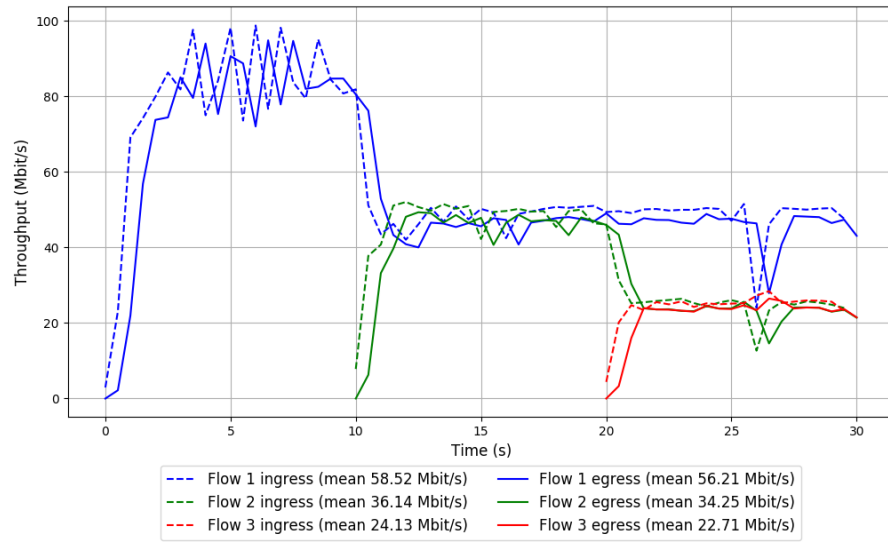
-- Flow 3:

Average throughput: 22.71 Mbit/s

95th percentile per-packet one-way delay: 86.053 ms

Loss rate: 6.61%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-30 16:36:29

End at: 2018-06-30 16:36:59

Local clock offset: 0.58 ms

Remote clock offset: 3.818 ms

Below is generated by plot.py at 2018-06-30 19:15:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.43 Mbit/s

95th percentile per-packet one-way delay: 74.093 ms

Loss rate: 3.68%

-- Flow 1:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 70.096 ms

Loss rate: 3.31%

-- Flow 2:

Average throughput: 38.91 Mbit/s

95th percentile per-packet one-way delay: 74.328 ms

Loss rate: 4.02%

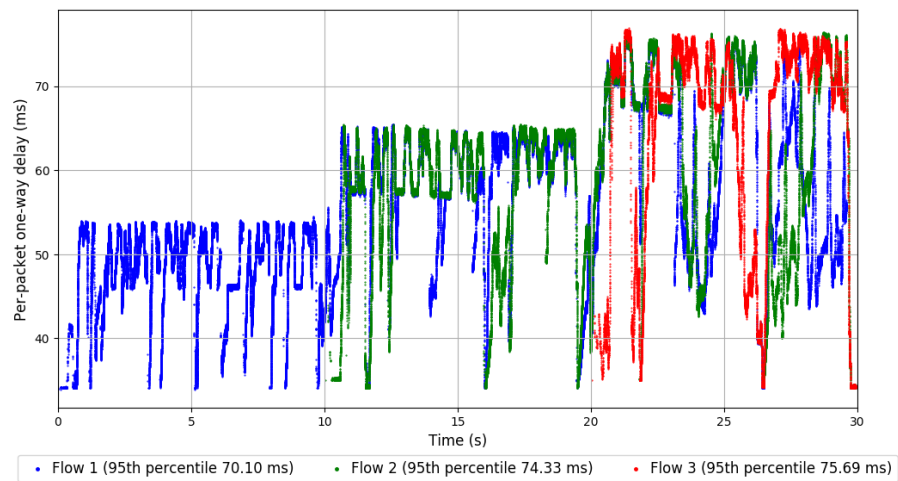
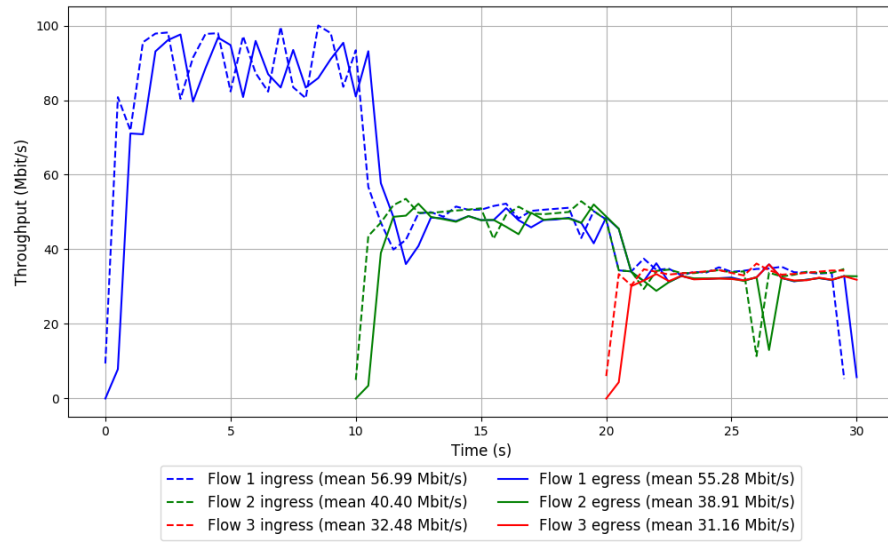
-- Flow 3:

Average throughput: 31.16 Mbit/s

95th percentile per-packet one-way delay: 75.695 ms

Loss rate: 4.78%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-30 17:31:23

End at: 2018-06-30 17:31:53

Local clock offset: 0.401 ms

Remote clock offset: 2.05 ms

Below is generated by plot.py at 2018-06-30 19:15:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 156.830 ms

Loss rate: 41.00%

-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 154.294 ms

Loss rate: 39.25%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 148.553 ms

Loss rate: 51.39%

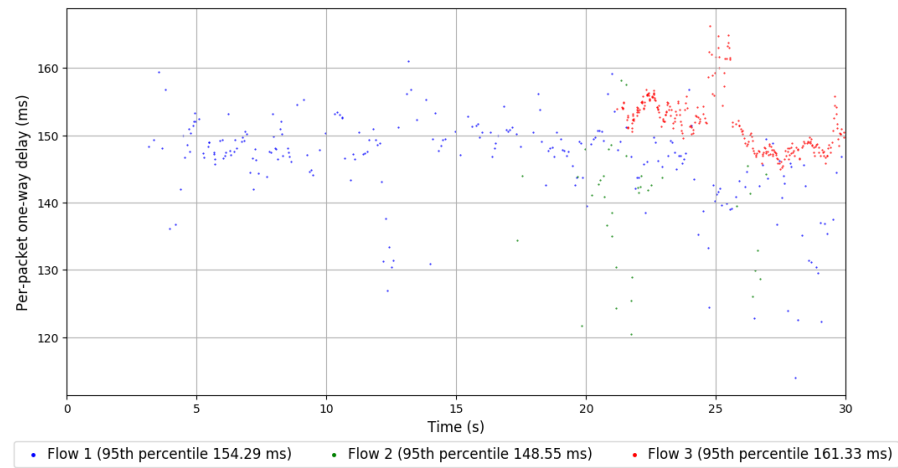
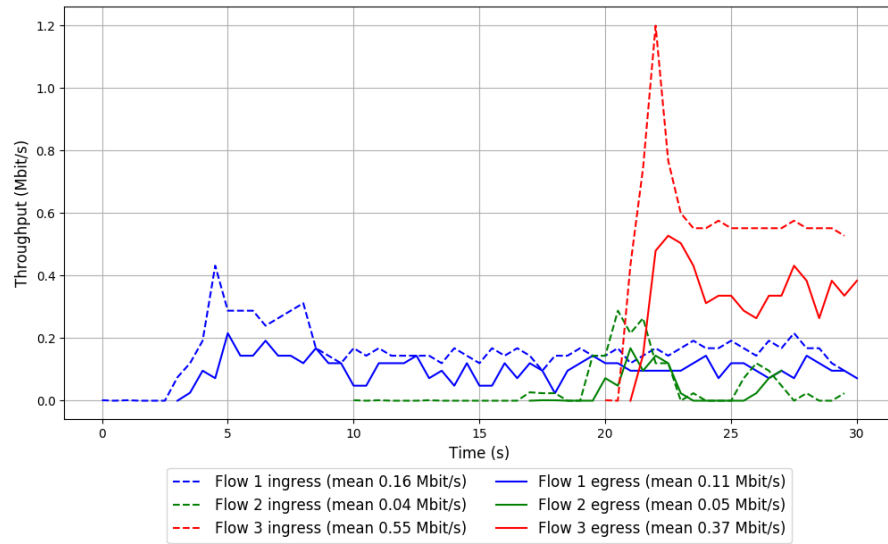
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 161.328 ms

Loss rate: 40.80%

Run 7: Report of TCP BBR — Data Link

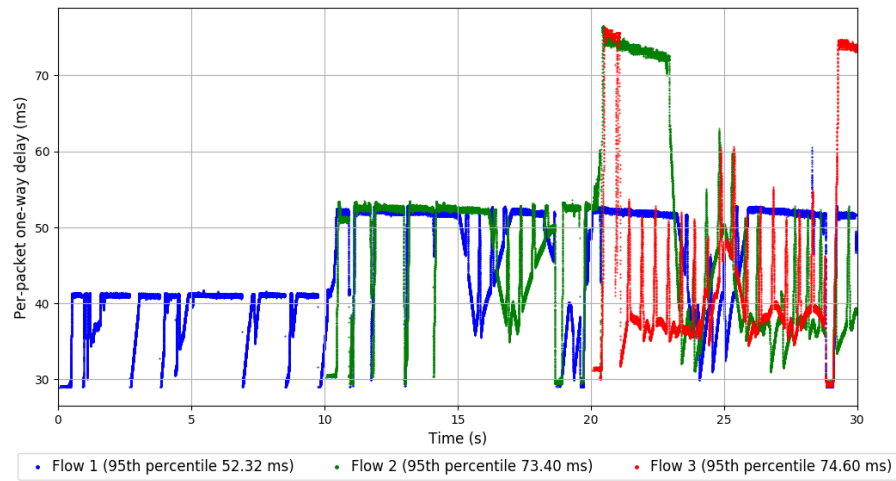
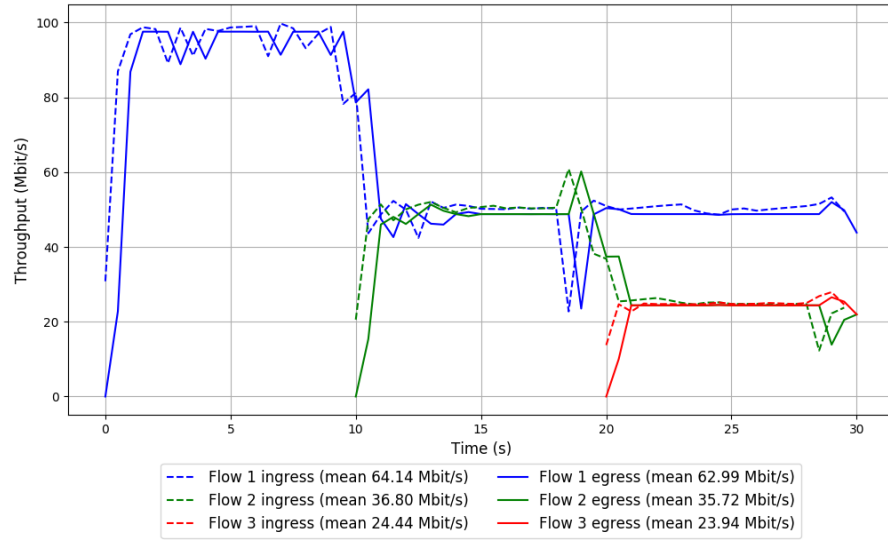


Run 8: Statistics of TCP BBR

Start at: 2018-06-30 18:10:04
End at: 2018-06-30 18:10:34
Local clock offset: 0.384 ms
Remote clock offset: -0.945 ms

Below is generated by plot.py at 2018-06-30 19:15:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 52.846 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 52.316 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 73.400 ms
Loss rate: 3.21%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 74.597 ms
Loss rate: 2.83%

Run 8: Report of TCP BBR — Data Link

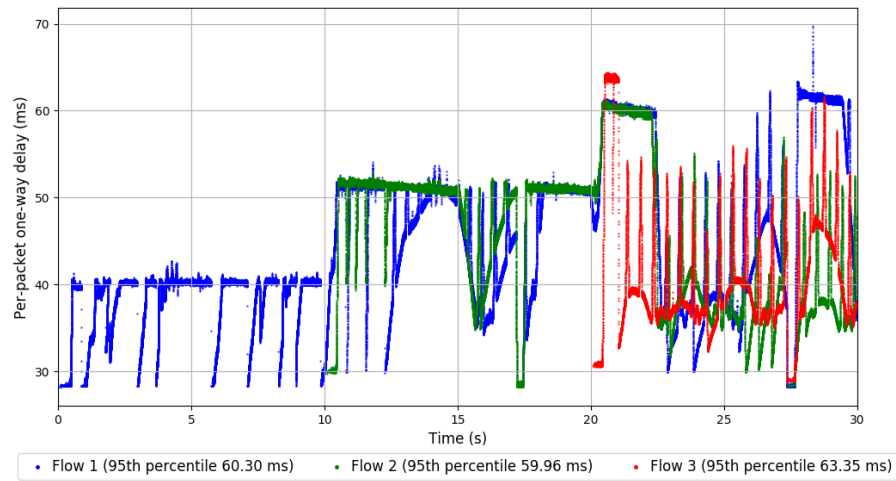
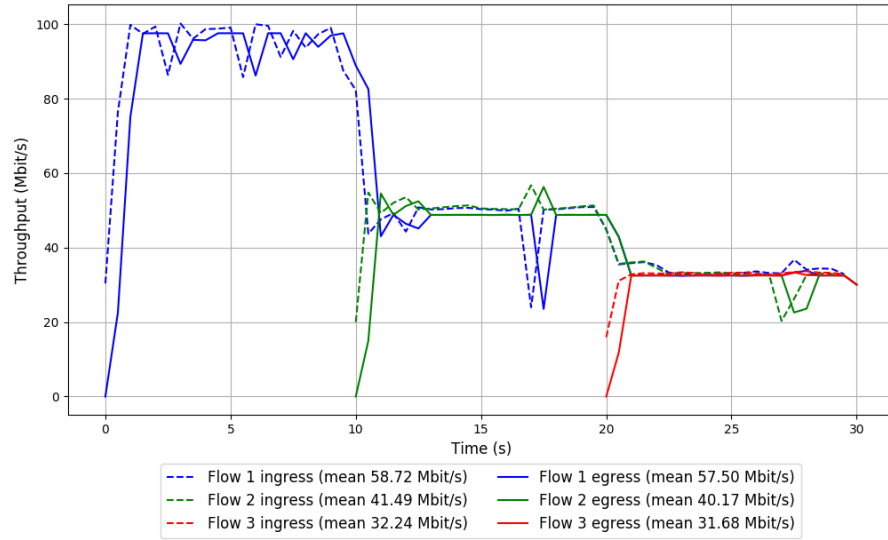


Run 9: Statistics of TCP BBR

Start at: 2018-06-30 18:32:57
End at: 2018-06-30 18:33:27
Local clock offset: 3.367 ms
Remote clock offset: -0.962 ms

Below is generated by plot.py at 2018-06-30 19:15:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 60.127 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 57.50 Mbit/s
95th percentile per-packet one-way delay: 60.299 ms
Loss rate: 2.28%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 59.961 ms
Loss rate: 3.46%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 63.350 ms
Loss rate: 2.32%

Run 9: Report of TCP BBR — Data Link

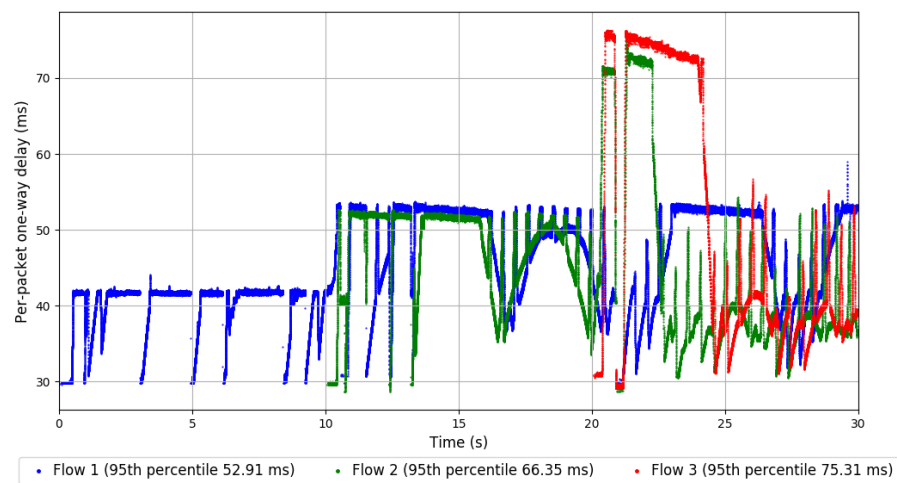
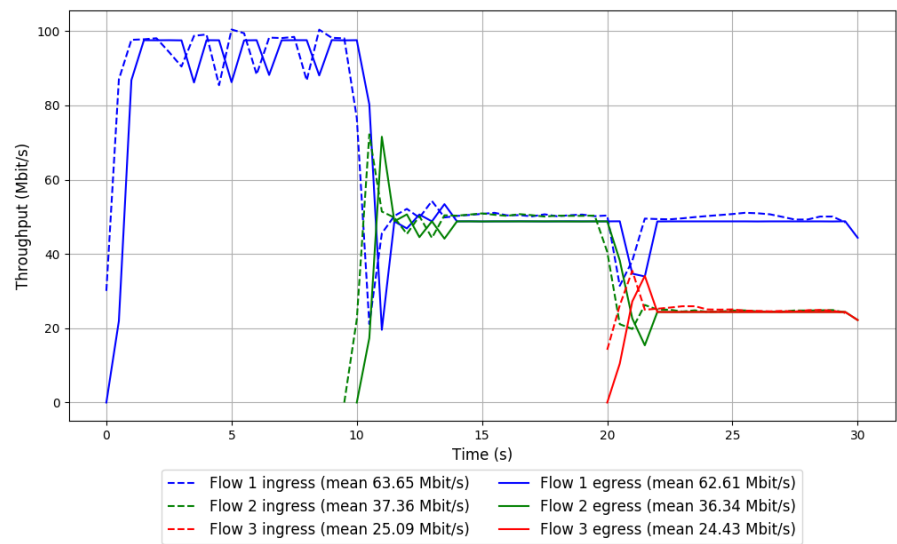


Run 10: Statistics of TCP BBR

Start at: 2018-06-30 18:55:46
End at: 2018-06-30 18:56:16
Local clock offset: 1.24 ms
Remote clock offset: -1.636 ms

Below is generated by plot.py at 2018-06-30 19:16:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 53.246 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 52.910 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 66.354 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 75.312 ms
Loss rate: 3.25%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-30 14:23:09

End at: 2018-06-30 14:23:39

Local clock offset: 2.224 ms

Remote clock offset: 2.826 ms

Below is generated by plot.py at 2018-06-30 19:16:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.93 Mbit/s

95th percentile per-packet one-way delay: 44.470 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 23.97 Mbit/s

95th percentile per-packet one-way delay: 42.597 ms

Loss rate: 1.94%

-- Flow 2:

Average throughput: 18.96 Mbit/s

95th percentile per-packet one-way delay: 50.004 ms

Loss rate: 2.01%

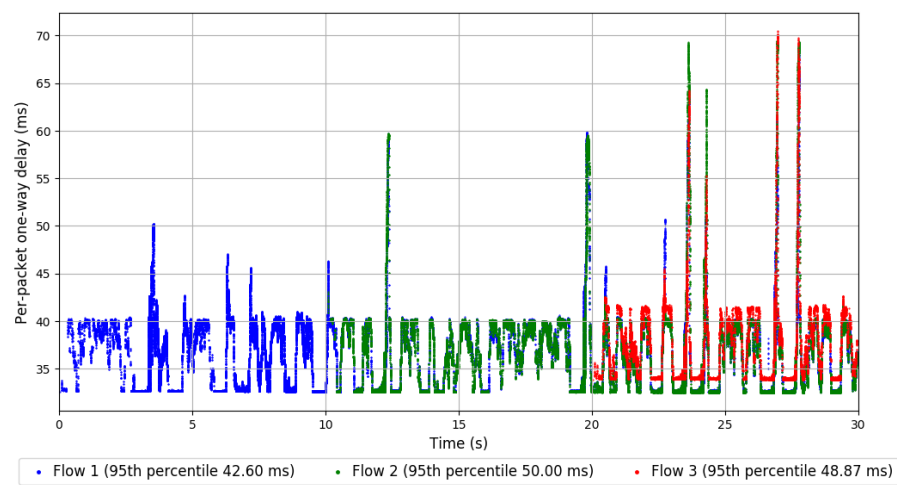
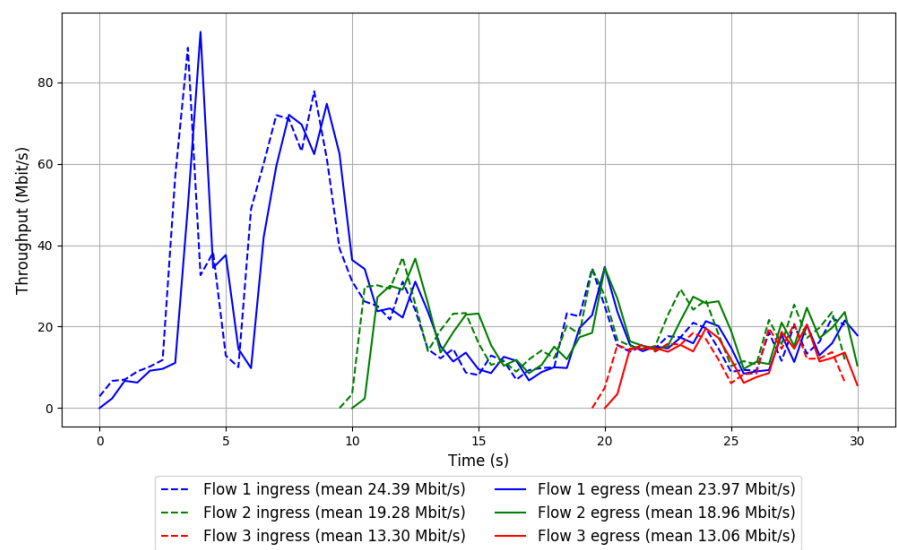
-- Flow 3:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 48.874 ms

Loss rate: 2.45%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-30 14:50:44

End at: 2018-06-30 14:51:14

Local clock offset: 2.572 ms

Remote clock offset: 3.207 ms

Below is generated by plot.py at 2018-06-30 19:16:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 49.760 ms

Loss rate: 1.51%

-- Flow 1:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 49.987 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 21.03 Mbit/s

95th percentile per-packet one-way delay: 44.483 ms

Loss rate: 1.81%

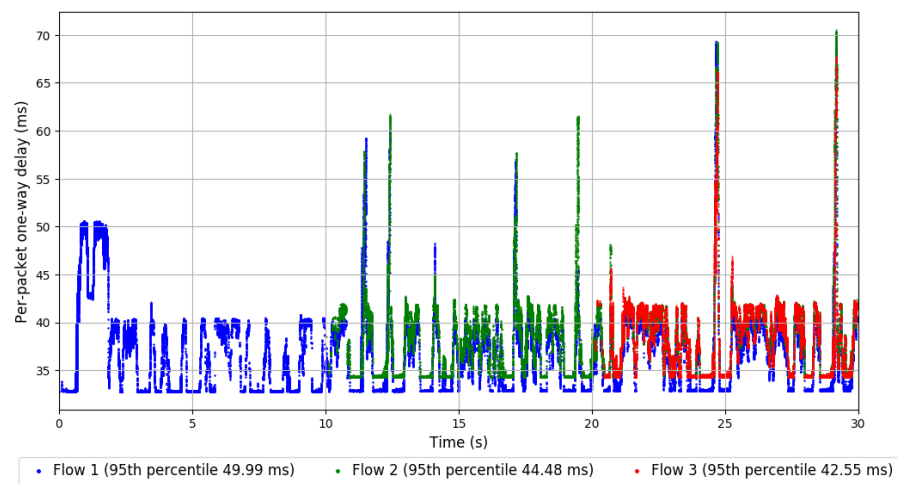
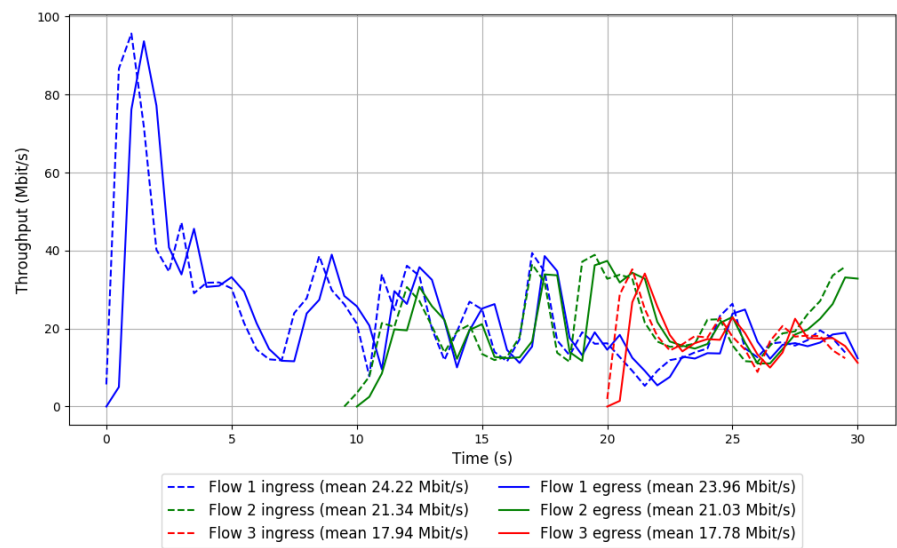
-- Flow 3:

Average throughput: 17.78 Mbit/s

95th percentile per-packet one-way delay: 42.553 ms

Loss rate: 1.64%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-30 15:18:58

End at: 2018-06-30 15:19:28

Local clock offset: 1.469 ms

Remote clock offset: 2.279 ms

Below is generated by plot.py at 2018-06-30 19:16:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.58 Mbit/s

95th percentile per-packet one-way delay: 40.028 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 20.06 Mbit/s

95th percentile per-packet one-way delay: 40.199 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 17.70 Mbit/s

95th percentile per-packet one-way delay: 39.995 ms

Loss rate: 1.62%

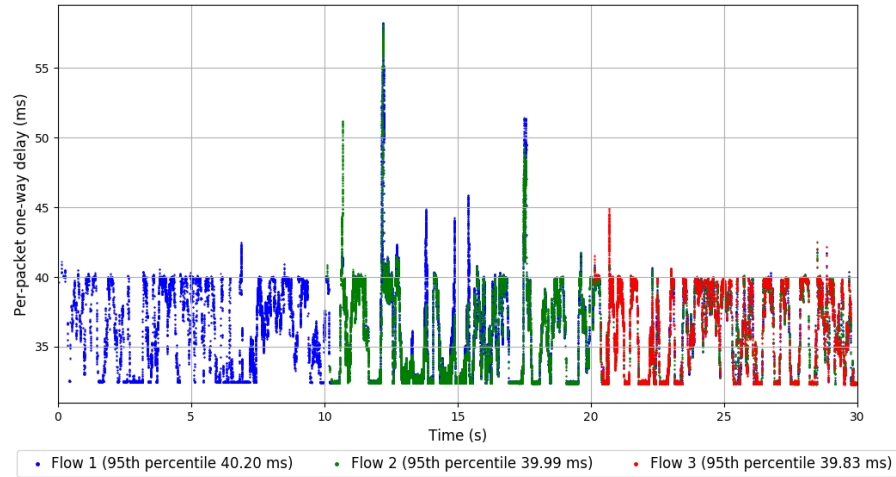
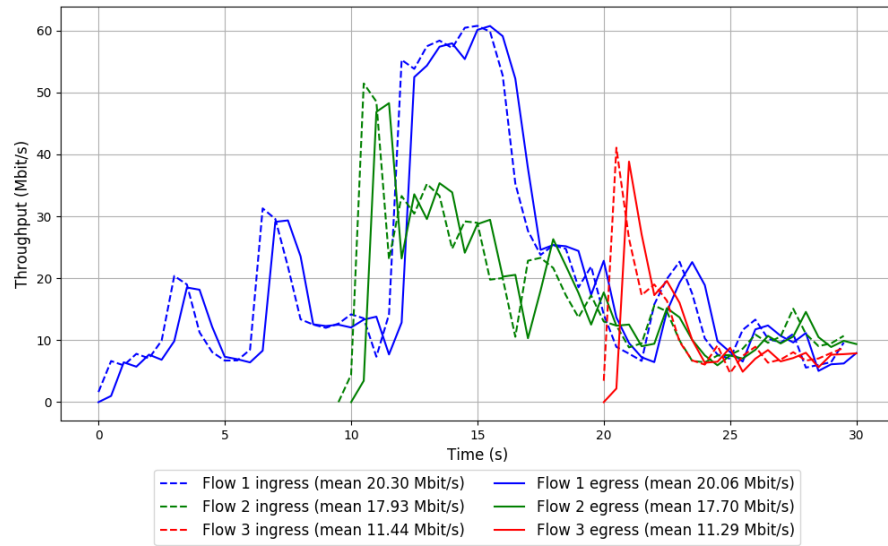
-- Flow 3:

Average throughput: 11.29 Mbit/s

95th percentile per-packet one-way delay: 39.829 ms

Loss rate: 2.01%

Run 3: Report of Copa — Data Link

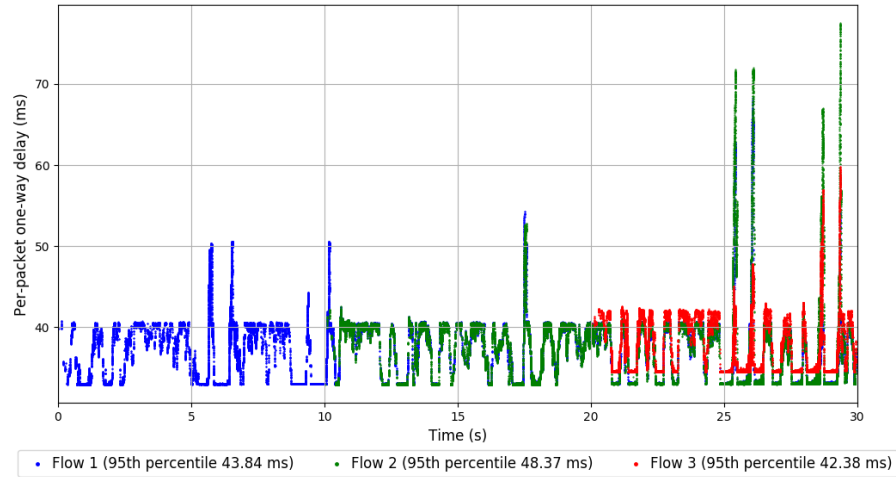
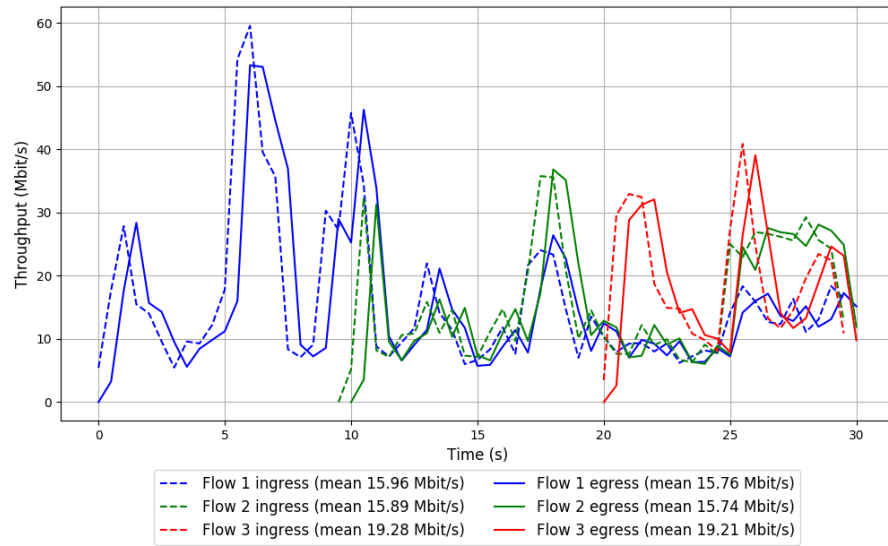


Run 4: Statistics of Copa

Start at: 2018-06-30 15:47:27
End at: 2018-06-30 15:47:57
Local clock offset: 3.98 ms
Remote clock offset: -3.004 ms

Below is generated by plot.py at 2018-06-30 19:16:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 44.232 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 43.840 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 48.369 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 19.21 Mbit/s
95th percentile per-packet one-way delay: 42.381 ms
Loss rate: 1.10%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-30 16:15:16

End at: 2018-06-30 16:15:46

Local clock offset: 0.721 ms

Remote clock offset: 2.889 ms

Below is generated by plot.py at 2018-06-30 19:16:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.43 Mbit/s

95th percentile per-packet one-way delay: 44.902 ms

Loss rate: 2.34%

-- Flow 1:

Average throughput: 27.21 Mbit/s

95th percentile per-packet one-way delay: 44.442 ms

Loss rate: 1.80%

-- Flow 2:

Average throughput: 16.51 Mbit/s

95th percentile per-packet one-way delay: 41.593 ms

Loss rate: 2.87%

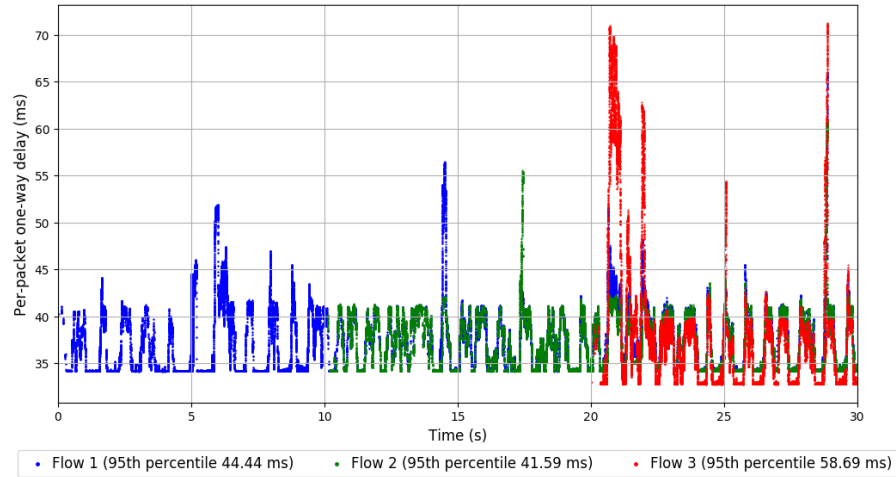
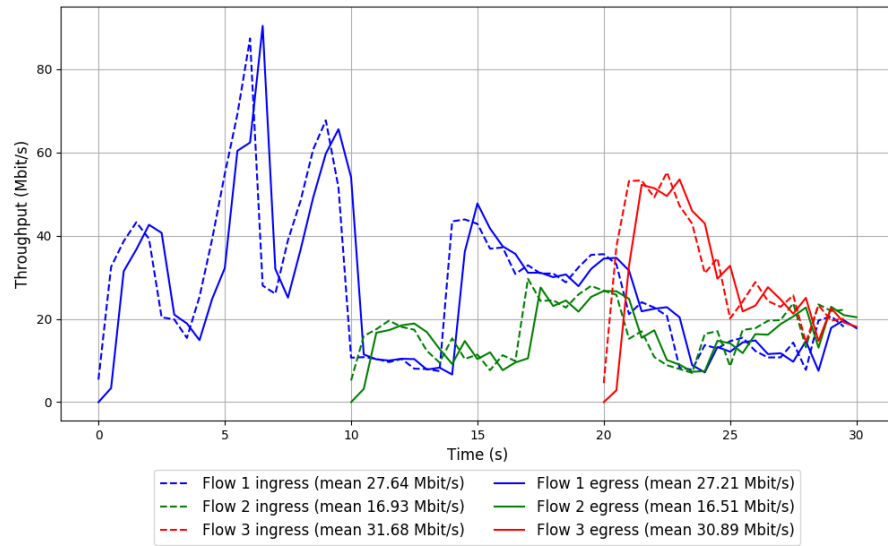
-- Flow 3:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 58.688 ms

Loss rate: 3.17%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-30 16:42:36

End at: 2018-06-30 16:43:06

Local clock offset: 0.558 ms

Remote clock offset: 3.923 ms

Below is generated by plot.py at 2018-06-30 19:16:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.74 Mbit/s

95th percentile per-packet one-way delay: 43.096 ms

Loss rate: 1.68%

-- Flow 1:

Average throughput: 26.25 Mbit/s

95th percentile per-packet one-way delay: 40.552 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 16.90 Mbit/s

95th percentile per-packet one-way delay: 48.942 ms

Loss rate: 1.54%

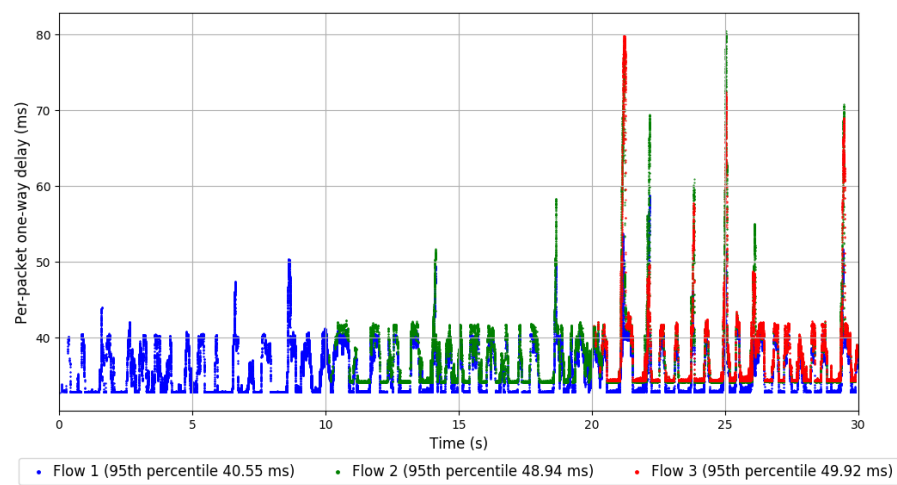
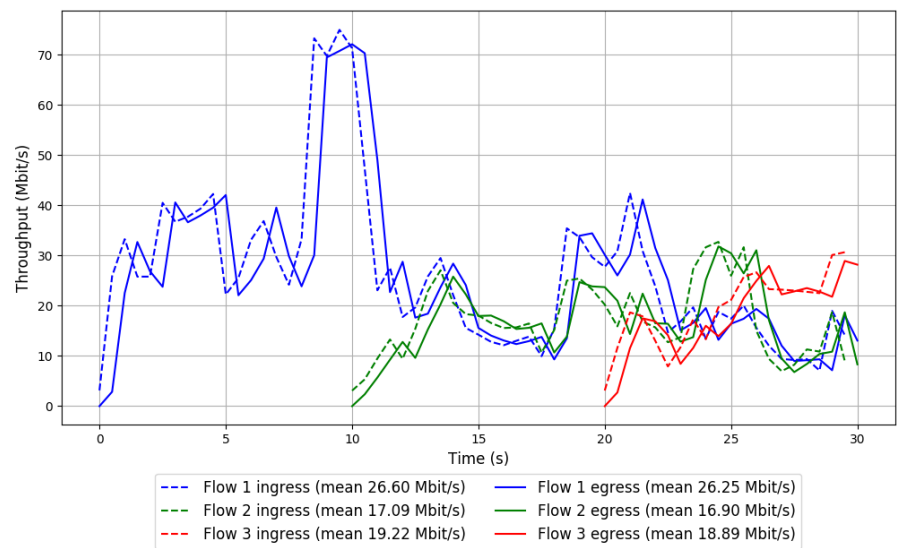
-- Flow 3:

Average throughput: 18.89 Mbit/s

95th percentile per-packet one-way delay: 49.921 ms

Loss rate: 2.49%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-30 17:39:59

End at: 2018-06-30 17:40:29

Local clock offset: 0.494 ms

Remote clock offset: 2.409 ms

Below is generated by plot.py at 2018-06-30 19:16:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.70 Mbit/s

95th percentile per-packet one-way delay: 153.509 ms

Loss rate: 33.46%

-- Flow 1:

Average throughput: 0.97 Mbit/s

95th percentile per-packet one-way delay: 153.357 ms

Loss rate: 27.49%

-- Flow 2:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 153.810 ms

Loss rate: 39.30%

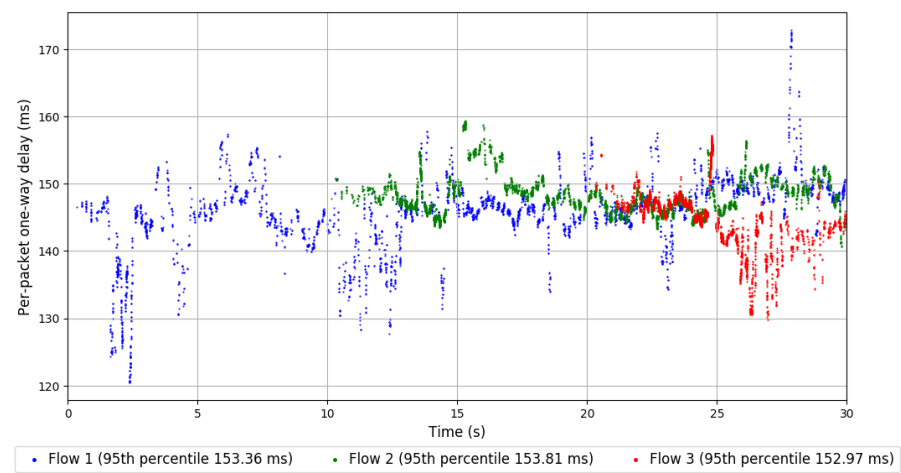
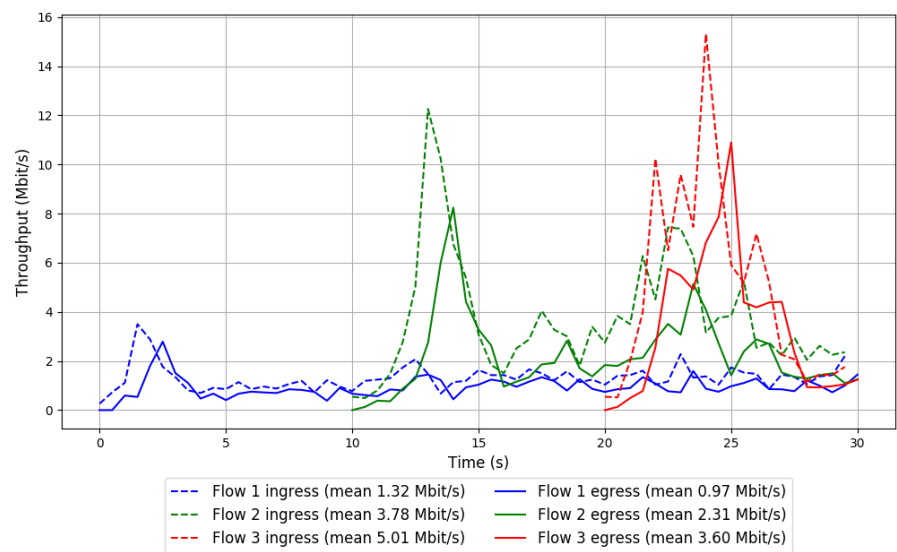
-- Flow 3:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 152.965 ms

Loss rate: 29.37%

Run 7: Report of Copa — Data Link

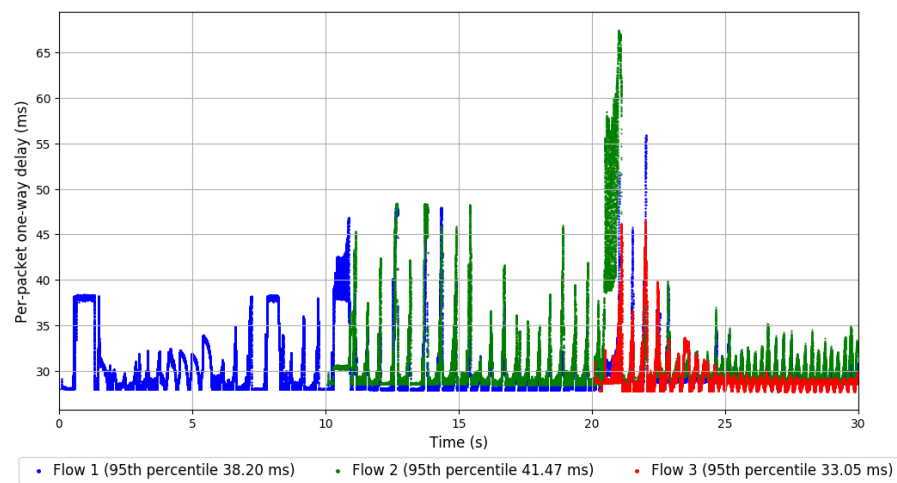
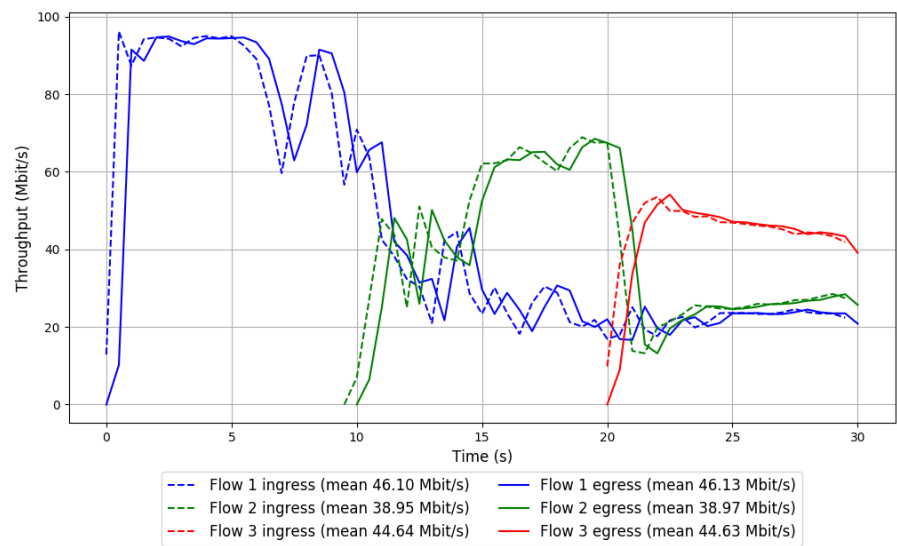


Run 8: Statistics of Copa

Start at: 2018-06-30 18:15:24
End at: 2018-06-30 18:15:54
Local clock offset: 0.327 ms
Remote clock offset: -1.052 ms

Below is generated by plot.py at 2018-06-30 19:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 38.223 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 38.203 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 41.466 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 44.63 Mbit/s
95th percentile per-packet one-way delay: 33.049 ms
Loss rate: 0.59%

Run 8: Report of Copa — Data Link

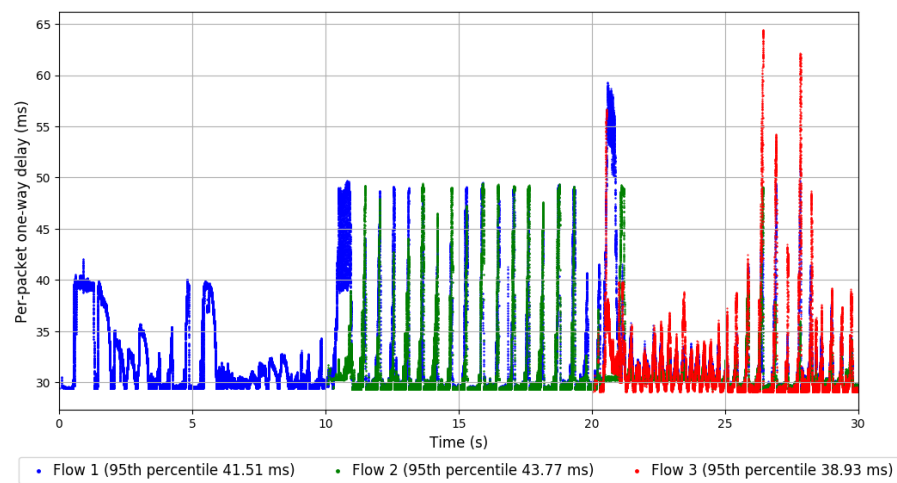
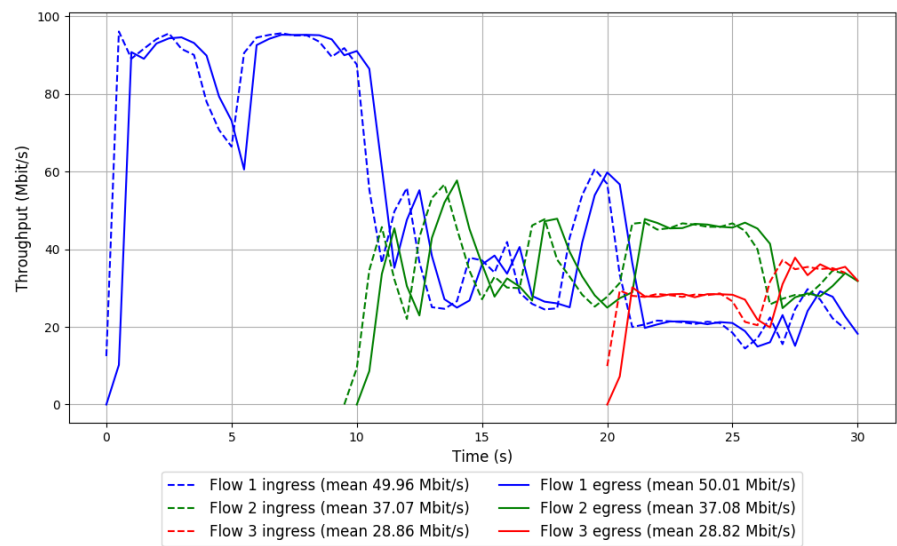


Run 9: Statistics of Copa

Start at: 2018-06-30 18:38:16
End at: 2018-06-30 18:38:46
Local clock offset: 3.747 ms
Remote clock offset: -1.313 ms

Below is generated by plot.py at 2018-06-30 19:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 41.984 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 41.510 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 43.772 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 38.933 ms
Loss rate: 0.75%

Run 9: Report of Copa — Data Link

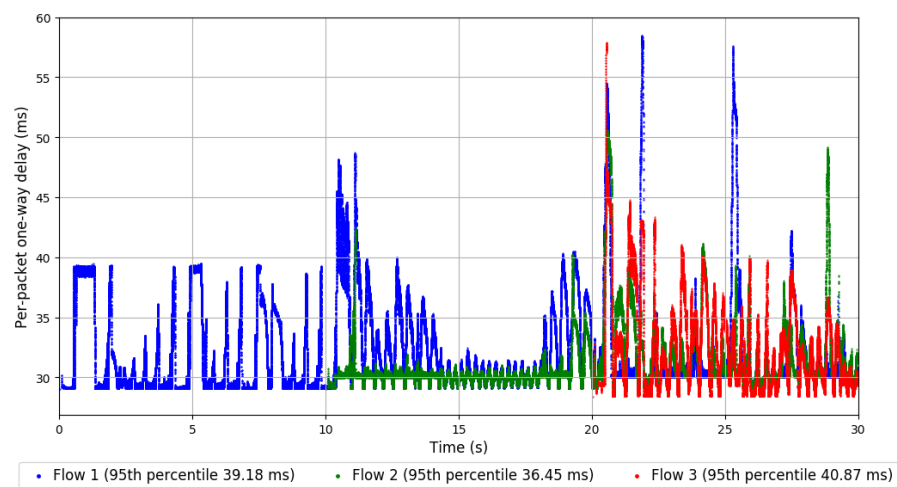
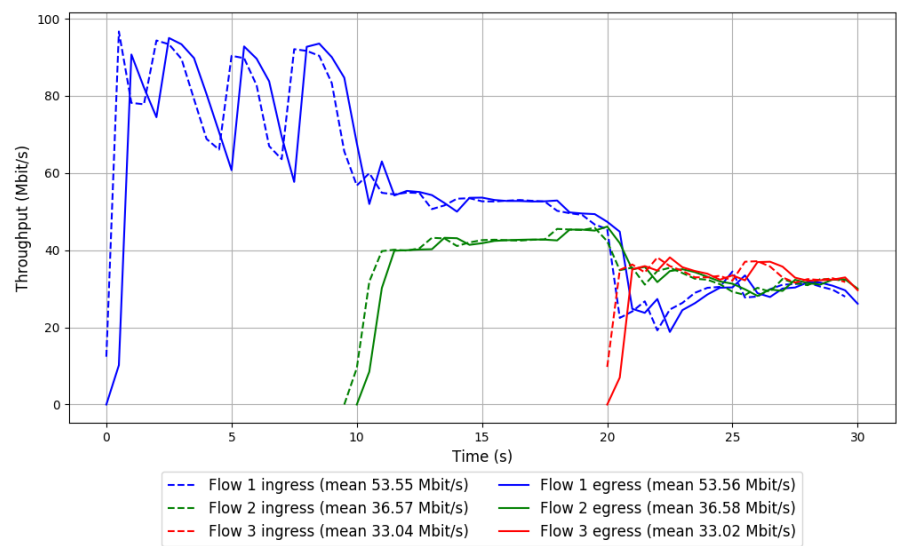


Run 10: Statistics of Copa

Start at: 2018-06-30 19:01:04
End at: 2018-06-30 19:01:34
Local clock offset: 0.507 ms
Remote clock offset: -1.165 ms

Below is generated by plot.py at 2018-06-30 19:18:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 39.151 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 39.176 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 36.447 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 33.02 Mbit/s
95th percentile per-packet one-way delay: 40.869 ms
Loss rate: 0.64%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 14:20:22

End at: 2018-06-30 14:20:52

Local clock offset: 1.581 ms

Remote clock offset: 3.019 ms

Below is generated by plot.py at 2018-06-30 19:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 41.358 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 3.02 Mbit/s

95th percentile per-packet one-way delay: 39.880 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 5.03 Mbit/s

95th percentile per-packet one-way delay: 41.450 ms

Loss rate: 1.18%

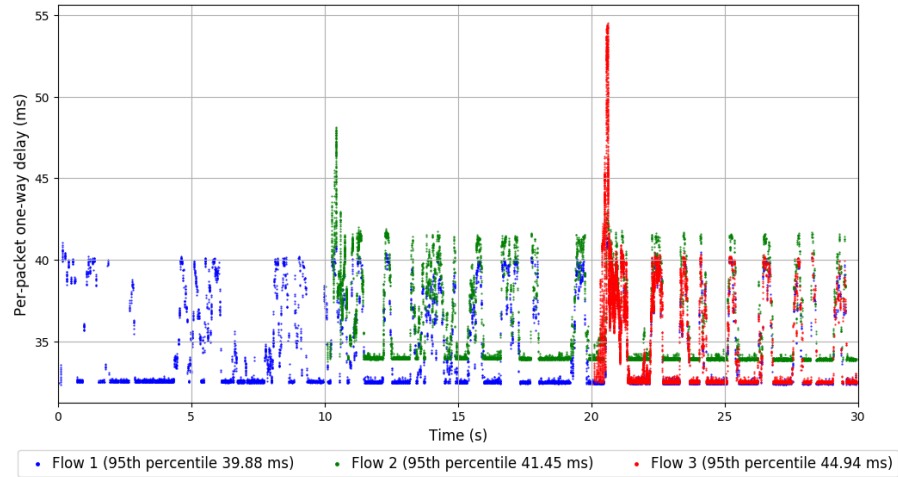
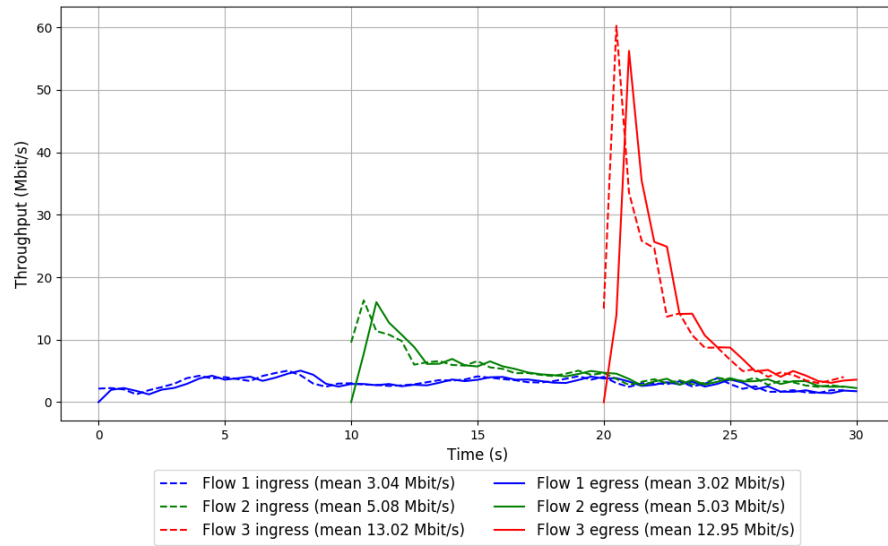
-- Flow 3:

Average throughput: 12.95 Mbit/s

95th percentile per-packet one-way delay: 44.939 ms

Loss rate: 1.23%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 14:47:52

End at: 2018-06-30 14:48:22

Local clock offset: 3.354 ms

Remote clock offset: 3.709 ms

Below is generated by plot.py at 2018-06-30 19:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 45.084 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 41.933 ms

Loss rate: 1.48%

-- Flow 2:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 48.831 ms

Loss rate: 1.99%

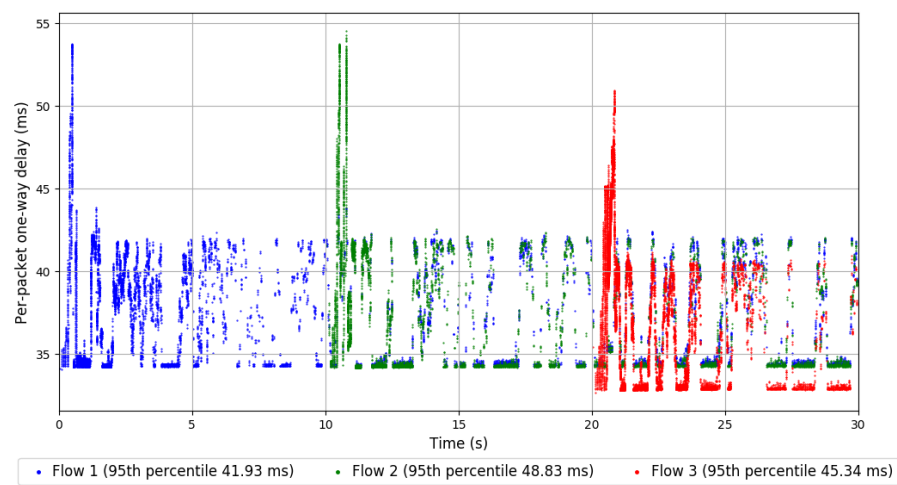
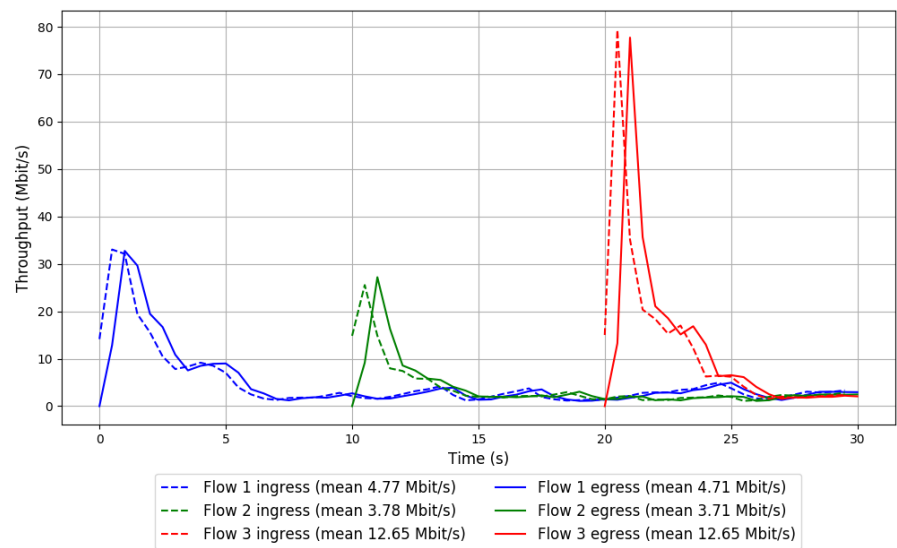
-- Flow 3:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 45.341 ms

Loss rate: 0.73%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 15:15:48

End at: 2018-06-30 15:16:18

Local clock offset: 0.389 ms

Remote clock offset: 2.511 ms

Below is generated by plot.py at 2018-06-30 19:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 39.926 ms

Loss rate: 1.96%

-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 39.930 ms

Loss rate: 1.79%

-- Flow 2:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 39.881 ms

Loss rate: 2.10%

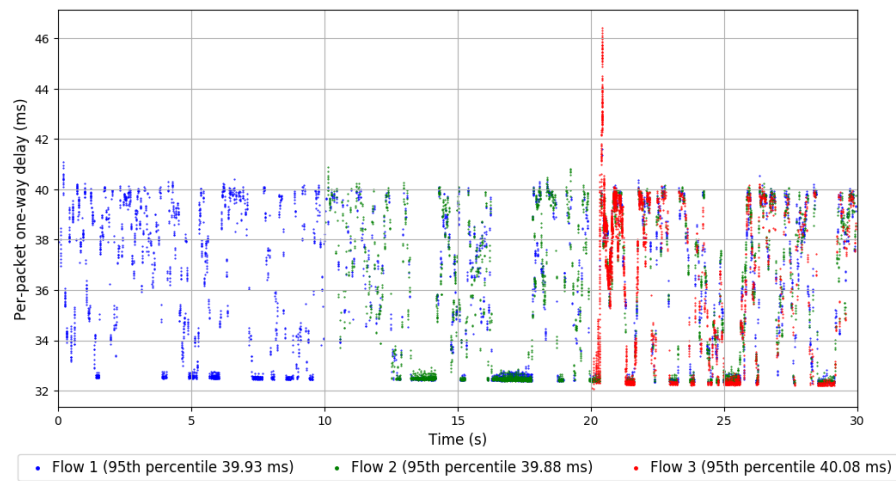
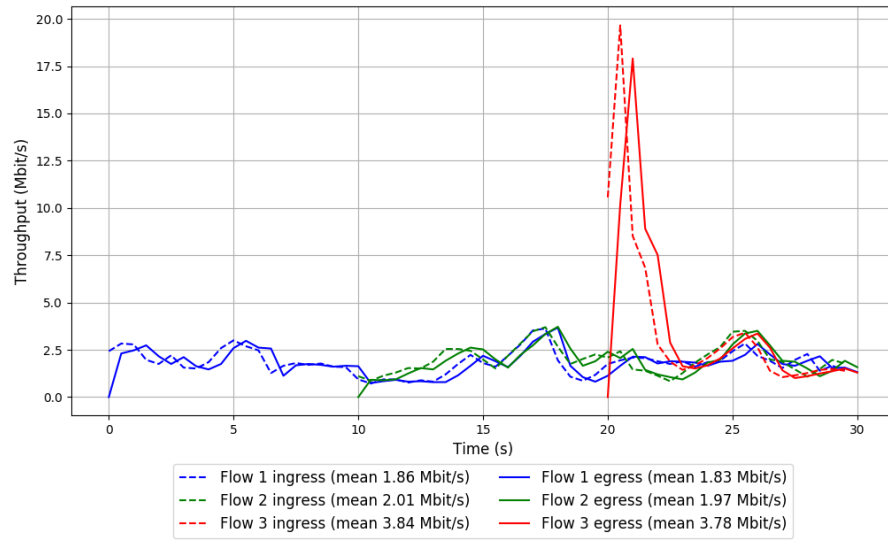
-- Flow 3:

Average throughput: 3.78 Mbit/s

95th percentile per-packet one-way delay: 40.077 ms

Loss rate: 2.07%

Run 3: Report of TCP Cubic — Data Link

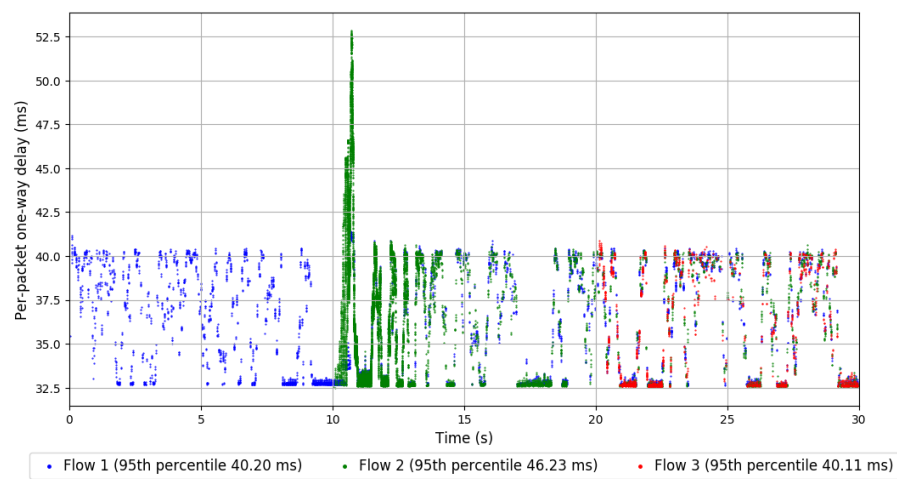
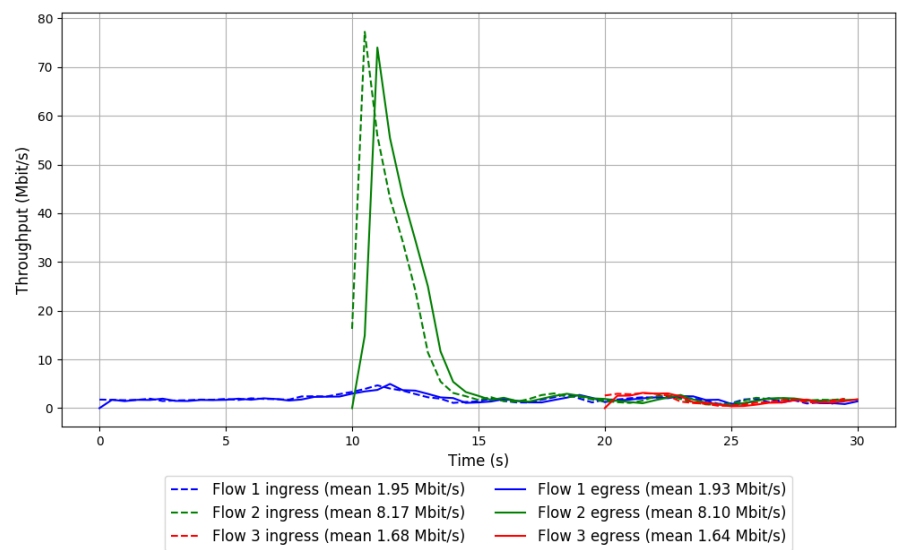


Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 15:44:22
End at: 2018-06-30 15:44:52
Local clock offset: 4.665 ms
Remote clock offset: -2.497 ms

Below is generated by plot.py at 2018-06-30 19:18:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 44.662 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 40.201 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 46.229 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 40.107 ms
Loss rate: 3.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-30 16:12:22

End at: 2018-06-30 16:12:52

Local clock offset: 0.828 ms

Remote clock offset: 2.622 ms

Below is generated by plot.py at 2018-06-30 19:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 41.670 ms

Loss rate: 1.83%

-- Flow 1:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 41.675 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 40.404 ms

Loss rate: 2.65%

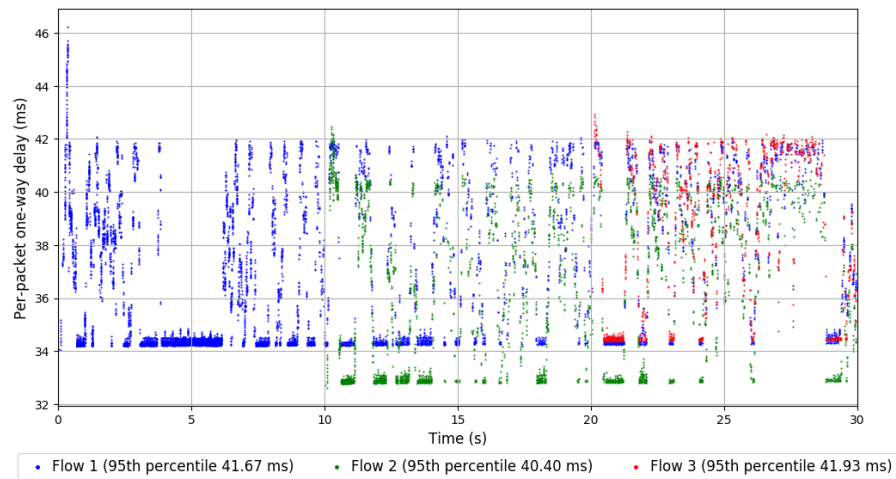
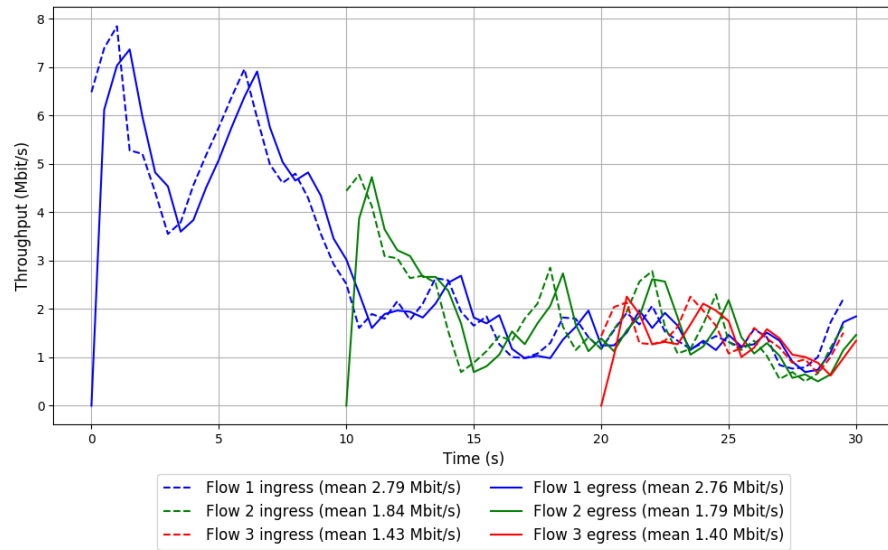
-- Flow 3:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 41.933 ms

Loss rate: 3.19%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-30 16:39:40

End at: 2018-06-30 16:40:10

Local clock offset: 0.618 ms

Remote clock offset: 3.961 ms

Below is generated by plot.py at 2018-06-30 19:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.73 Mbit/s

95th percentile per-packet one-way delay: 46.016 ms

Loss rate: 2.14%

-- Flow 1:

Average throughput: 5.96 Mbit/s

95th percentile per-packet one-way delay: 43.319 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 7.72 Mbit/s

95th percentile per-packet one-way delay: 46.649 ms

Loss rate: 2.16%

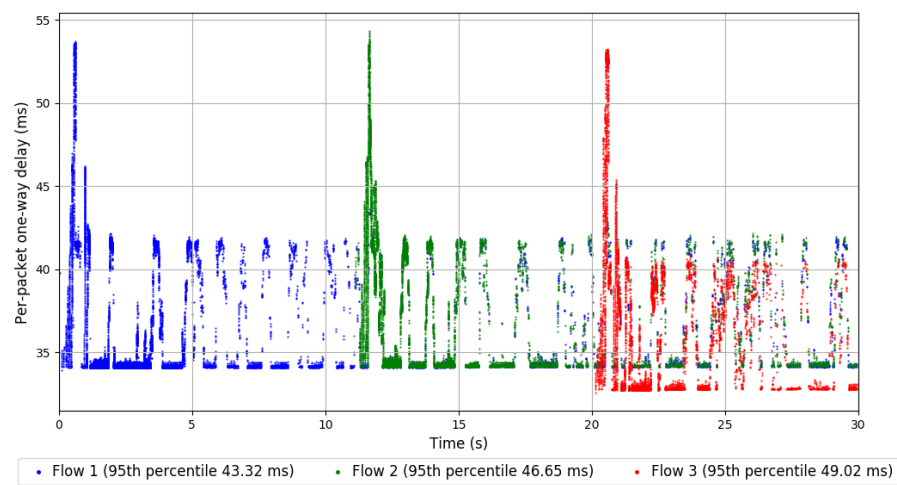
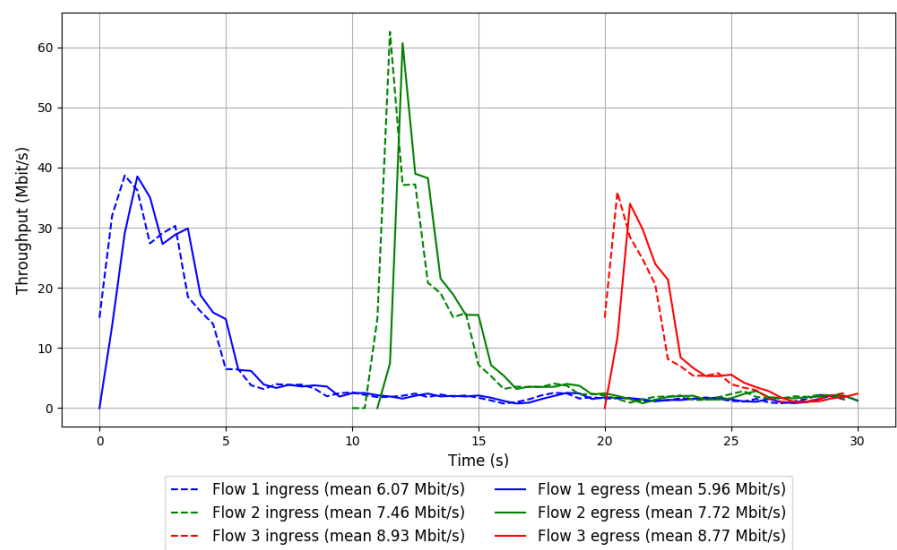
-- Flow 3:

Average throughput: 8.77 Mbit/s

95th percentile per-packet one-way delay: 49.019 ms

Loss rate: 2.50%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 17:35:54

End at: 2018-06-30 17:36:24

Local clock offset: 0.51 ms

Remote clock offset: 1.904 ms

Below is generated by plot.py at 2018-06-30 19:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 155.939 ms

Loss rate: 29.74%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 158.655 ms

Loss rate: 34.64%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 151.184 ms

Loss rate: 21.12%

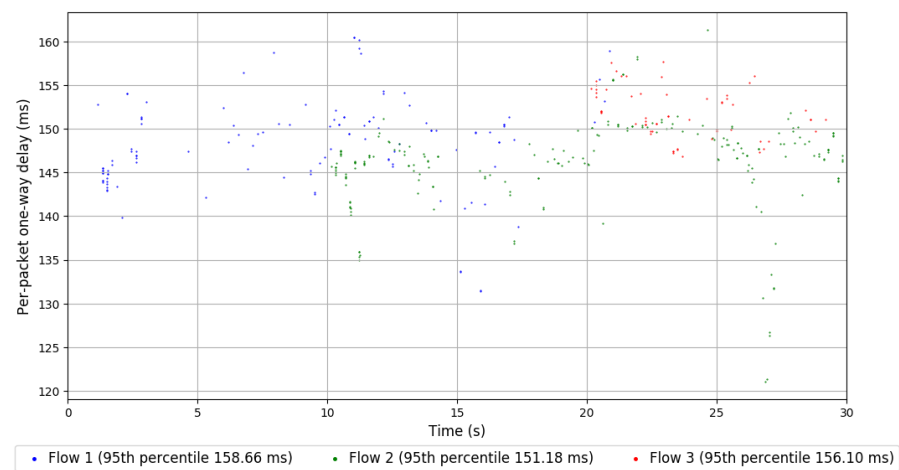
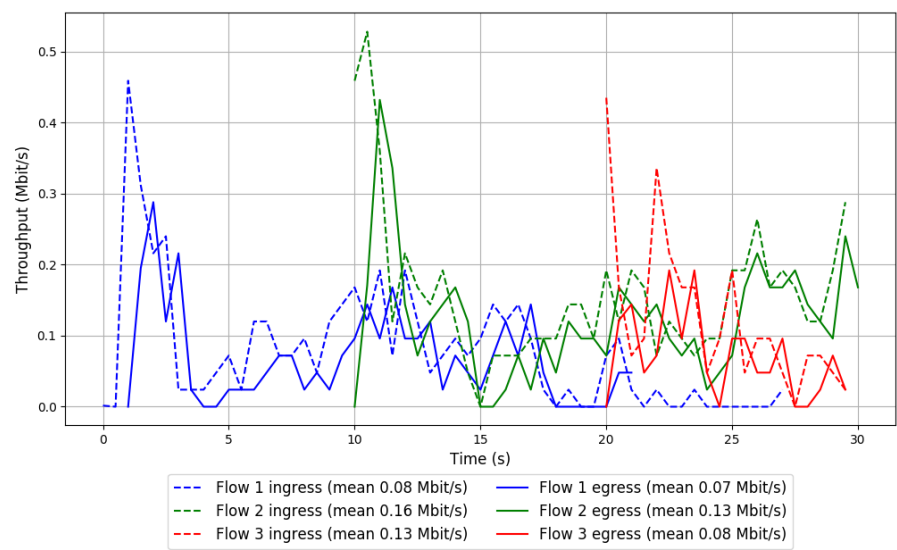
-- Flow 3:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 156.099 ms

Loss rate: 43.27%

Run 7: Report of TCP Cubic — Data Link

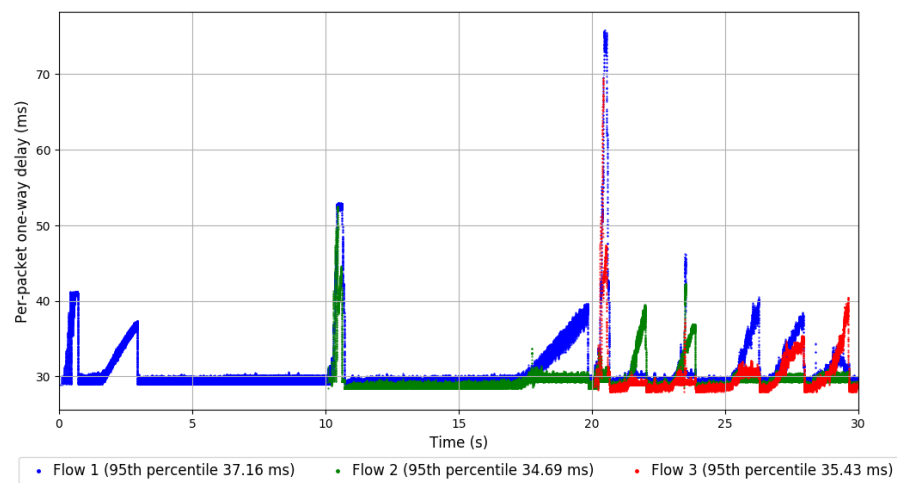
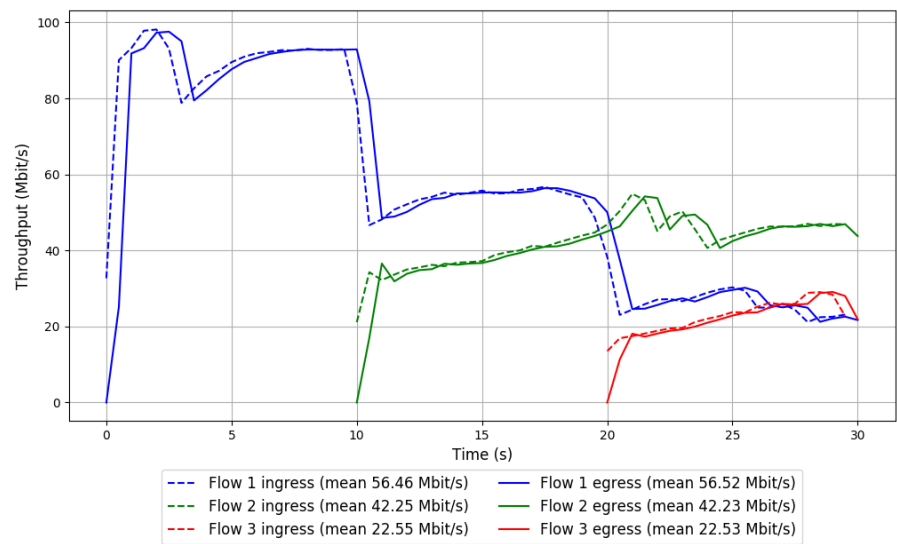


Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 18:12:43
End at: 2018-06-30 18:13:13
Local clock offset: 0.365 ms
Remote clock offset: -0.857 ms

Below is generated by plot.py at 2018-06-30 19:18:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 36.622 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 37.157 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 34.687 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 35.427 ms
Loss rate: 0.66%

Run 8: Report of TCP Cubic — Data Link

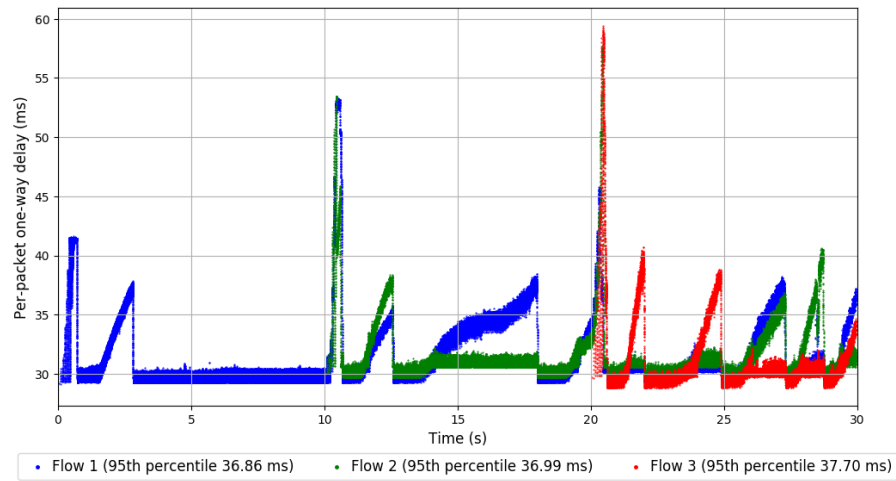
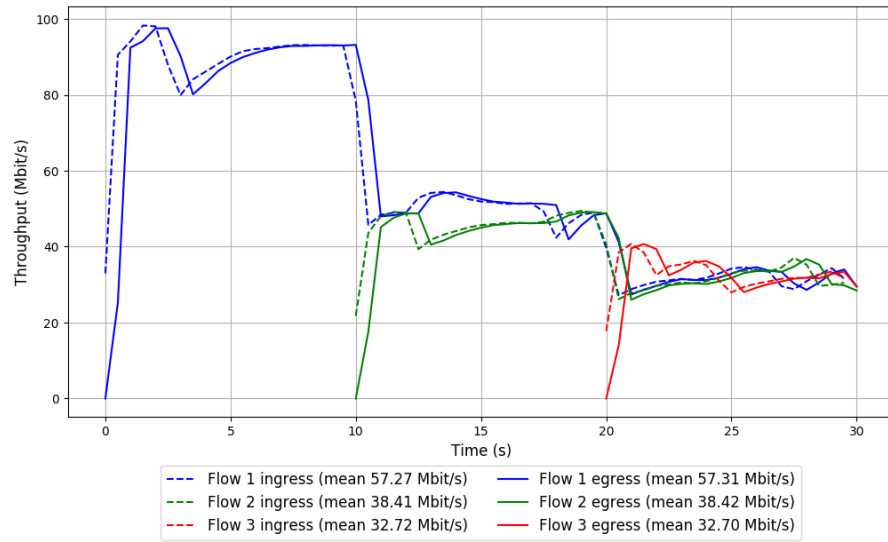


Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 18:35:36
End at: 2018-06-30 18:36:06
Local clock offset: 3.56 ms
Remote clock offset: -1.523 ms

Below is generated by plot.py at 2018-06-30 19:18:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 36.981 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 36.864 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 36.994 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 37.699 ms
Loss rate: 0.65%

Run 9: Report of TCP Cubic — Data Link

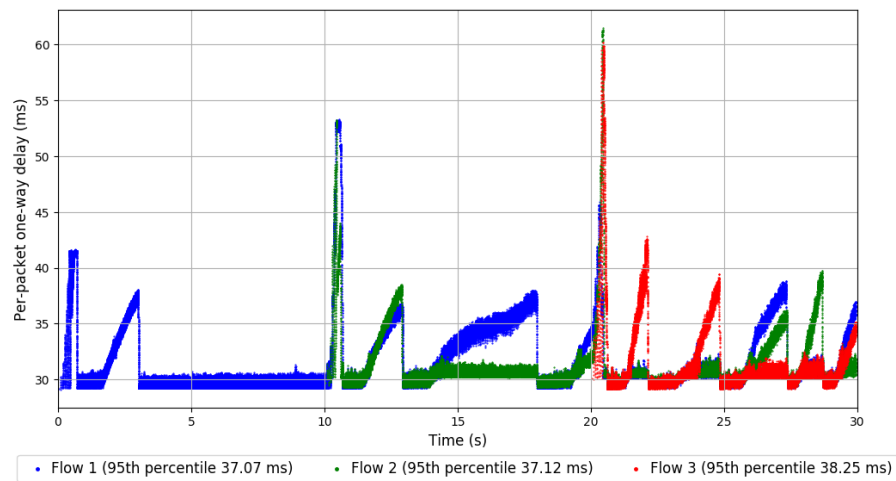
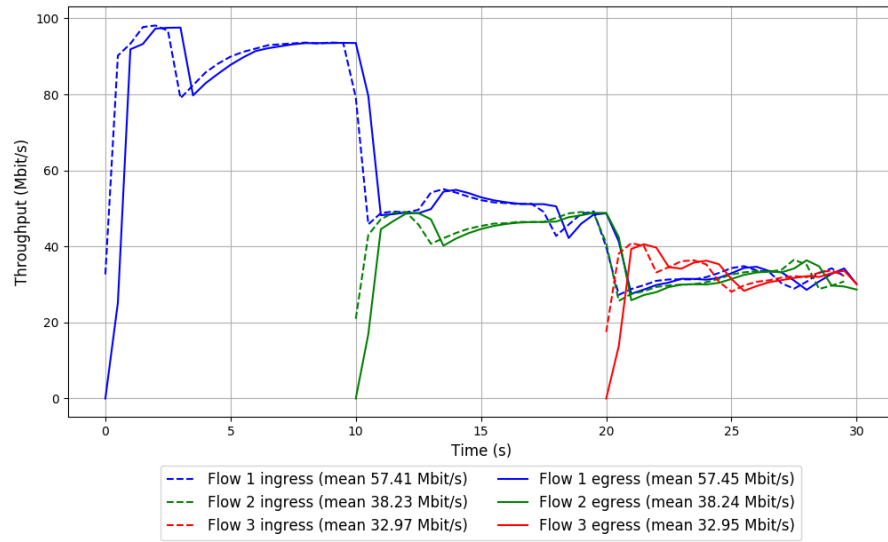


Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 18:58:24
End at: 2018-06-30 18:58:54
Local clock offset: 0.805 ms
Remote clock offset: -1.579 ms

Below is generated by plot.py at 2018-06-30 19:18:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 37.196 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 37.073 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 37.117 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 38.248 ms
Loss rate: 0.66%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-30 14:24:46

End at: 2018-06-30 14:25:16

Local clock offset: 2.521 ms

Remote clock offset: 2.906 ms

Below is generated by plot.py at 2018-06-30 19:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.76 Mbit/s

95th percentile per-packet one-way delay: 68.186 ms

Loss rate: 4.51%

-- Flow 1:

Average throughput: 58.09 Mbit/s

95th percentile per-packet one-way delay: 67.090 ms

Loss rate: 3.58%

-- Flow 2:

Average throughput: 38.53 Mbit/s

95th percentile per-packet one-way delay: 68.215 ms

Loss rate: 5.61%

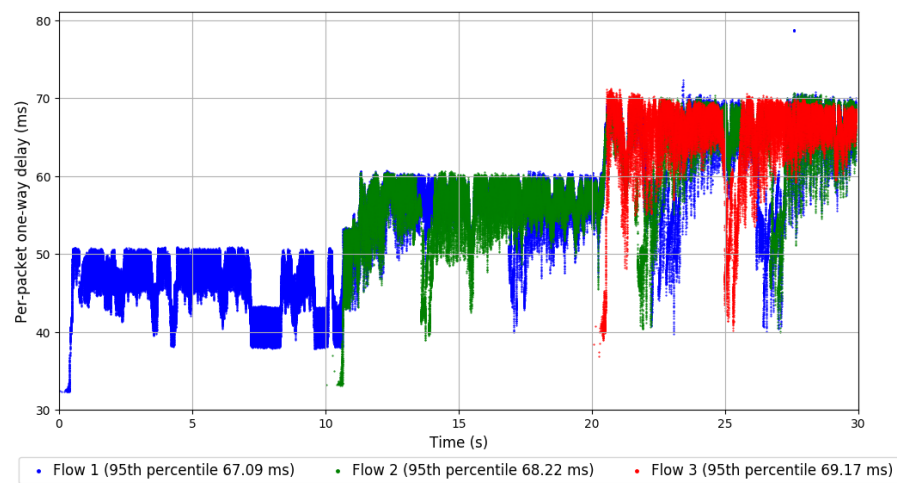
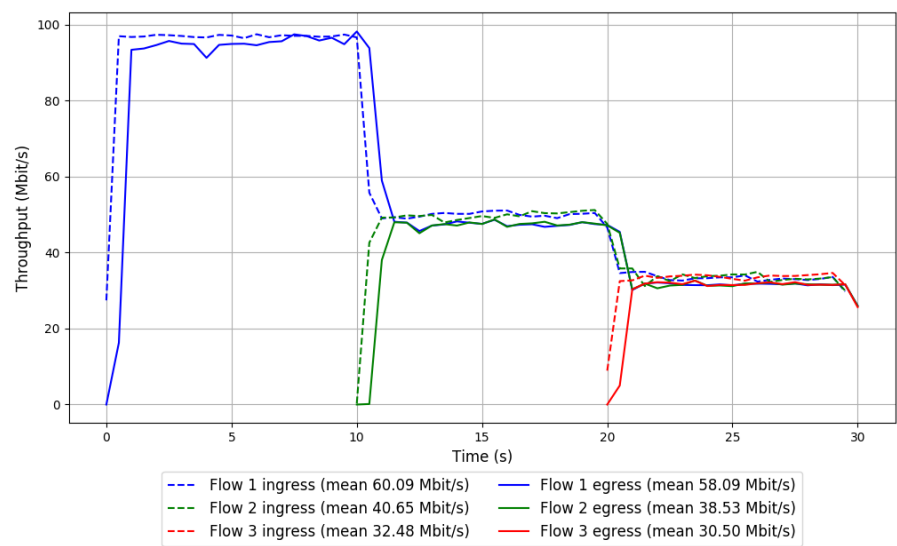
-- Flow 3:

Average throughput: 30.50 Mbit/s

95th percentile per-packet one-way delay: 69.170 ms

Loss rate: 6.95%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-30 14:52:23

End at: 2018-06-30 14:52:53

Local clock offset: 2.206 ms

Remote clock offset: 3.051 ms

Below is generated by plot.py at 2018-06-30 19:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 76.861 ms

Loss rate: 5.18%

-- Flow 1:

Average throughput: 54.90 Mbit/s

95th percentile per-packet one-way delay: 75.384 ms

Loss rate: 4.31%

-- Flow 2:

Average throughput: 46.25 Mbit/s

95th percentile per-packet one-way delay: 59.930 ms

Loss rate: 6.02%

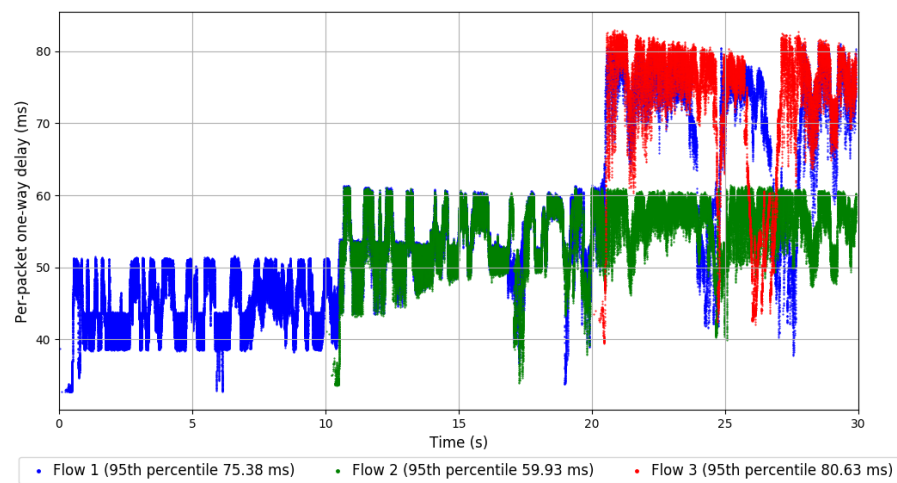
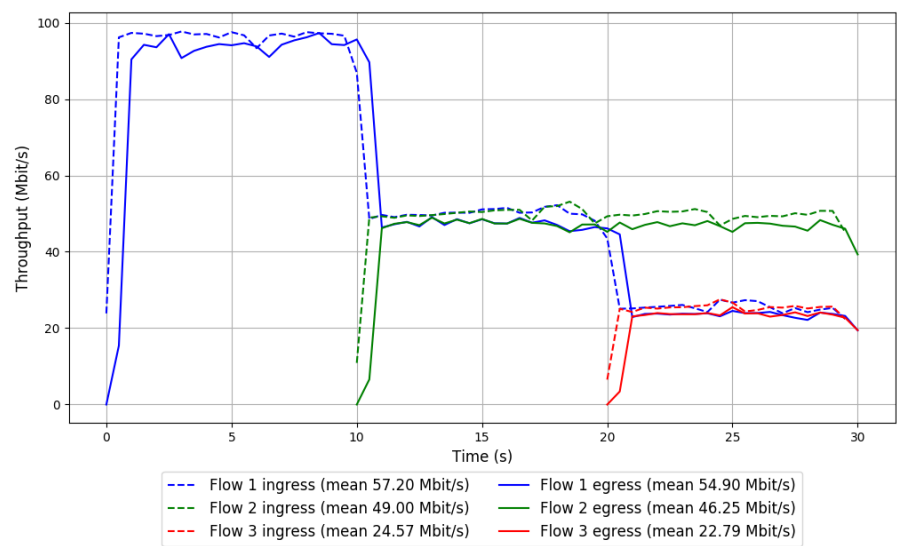
-- Flow 3:

Average throughput: 22.79 Mbit/s

95th percentile per-packet one-way delay: 80.632 ms

Loss rate: 7.97%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-30 15:20:48

End at: 2018-06-30 15:21:18

Local clock offset: 2.031 ms

Remote clock offset: 2.109 ms

Below is generated by plot.py at 2018-06-30 19:19:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 75.883 ms

Loss rate: 6.09%

-- Flow 1:

Average throughput: 54.43 Mbit/s

95th percentile per-packet one-way delay: 74.621 ms

Loss rate: 5.07%

-- Flow 2:

Average throughput: 34.49 Mbit/s

95th percentile per-packet one-way delay: 77.285 ms

Loss rate: 7.65%

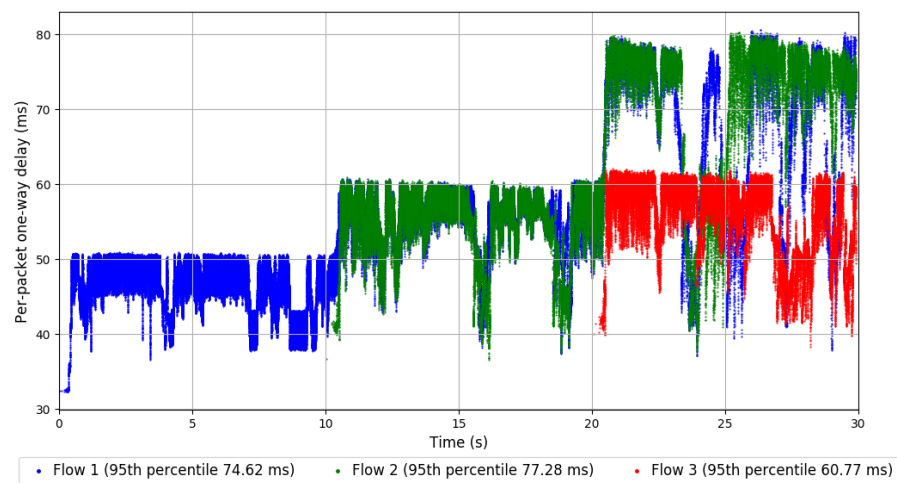
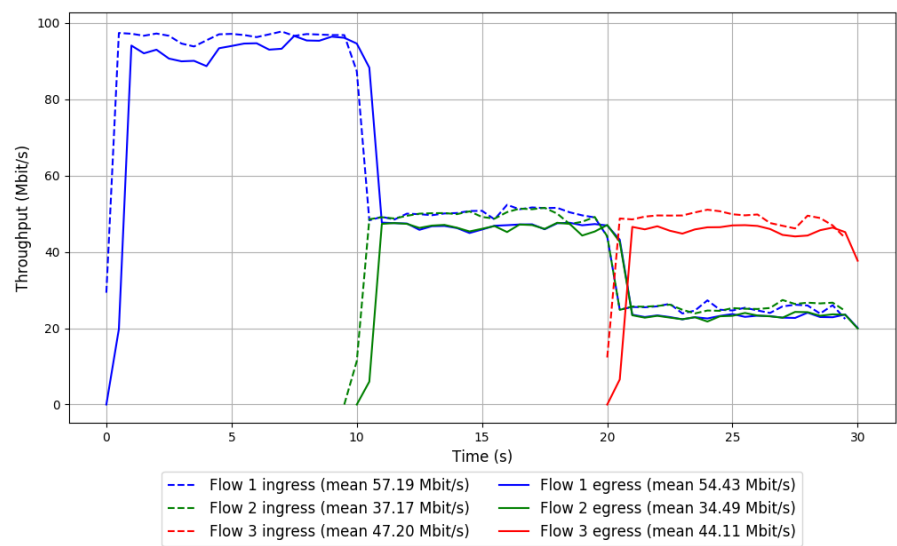
-- Flow 3:

Average throughput: 44.11 Mbit/s

95th percentile per-packet one-way delay: 60.765 ms

Loss rate: 7.34%

Run 3: Report of FillP — Data Link

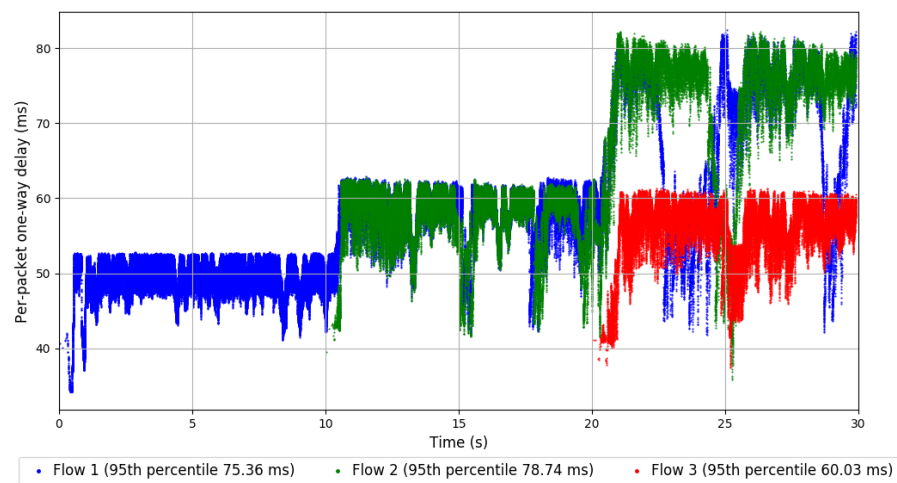
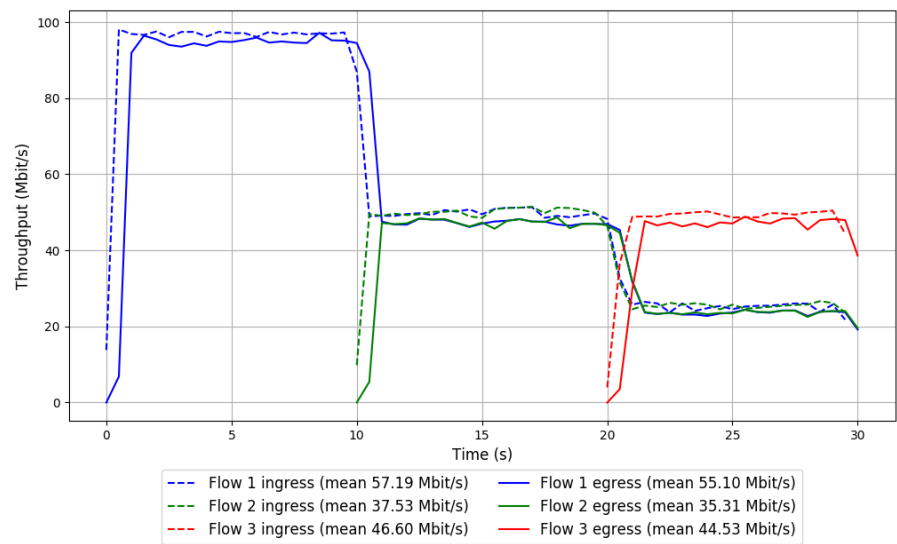


Run 4: Statistics of FillP

Start at: 2018-06-30 15:49:12
End at: 2018-06-30 15:49:42
Local clock offset: 3.416 ms
Remote clock offset: -3.254 ms

Below is generated by plot.py at 2018-06-30 19:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 76.976 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 55.10 Mbit/s
95th percentile per-packet one-way delay: 75.355 ms
Loss rate: 3.88%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 78.736 ms
Loss rate: 6.36%
-- Flow 3:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 60.034 ms
Loss rate: 5.25%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-30 16:17:14

End at: 2018-06-30 16:17:44

Local clock offset: 0.728 ms

Remote clock offset: 3.057 ms

Below is generated by plot.py at 2018-06-30 19:19:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.01 Mbit/s

95th percentile per-packet one-way delay: 74.301 ms

Loss rate: 5.40%

-- Flow 1:

Average throughput: 51.34 Mbit/s

95th percentile per-packet one-way delay: 73.757 ms

Loss rate: 4.73%

-- Flow 2:

Average throughput: 35.52 Mbit/s

95th percentile per-packet one-way delay: 76.138 ms

Loss rate: 6.74%

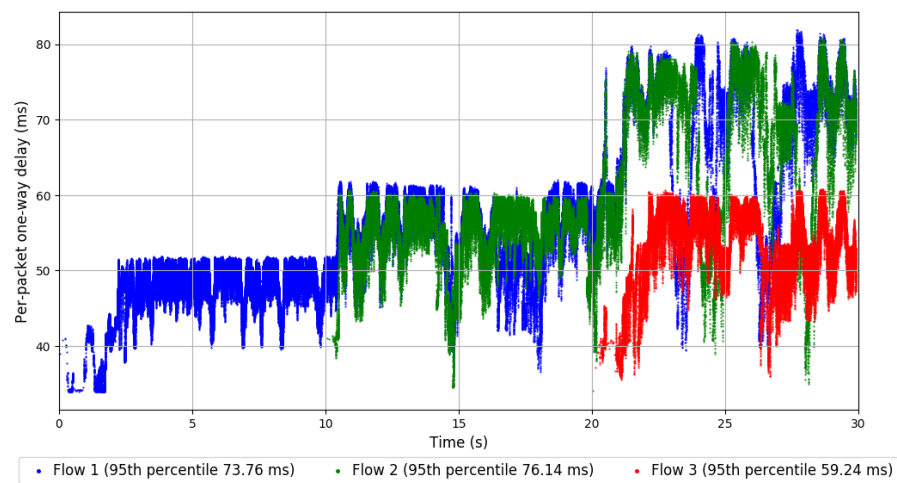
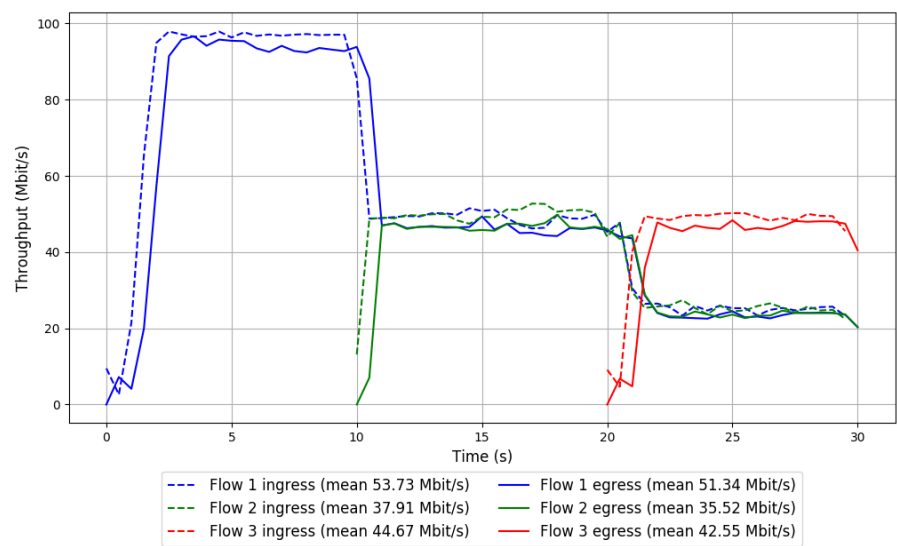
-- Flow 3:

Average throughput: 42.55 Mbit/s

95th percentile per-packet one-way delay: 59.239 ms

Loss rate: 5.53%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-30 16:44:17

End at: 2018-06-30 16:44:47

Local clock offset: 0.518 ms

Remote clock offset: 4.018 ms

Below is generated by plot.py at 2018-06-30 19:19:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.00 Mbit/s

95th percentile per-packet one-way delay: 73.440 ms

Loss rate: 4.26%

-- Flow 1:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 72.472 ms

Loss rate: 3.48%

-- Flow 2:

Average throughput: 46.69 Mbit/s

95th percentile per-packet one-way delay: 60.335 ms

Loss rate: 4.98%

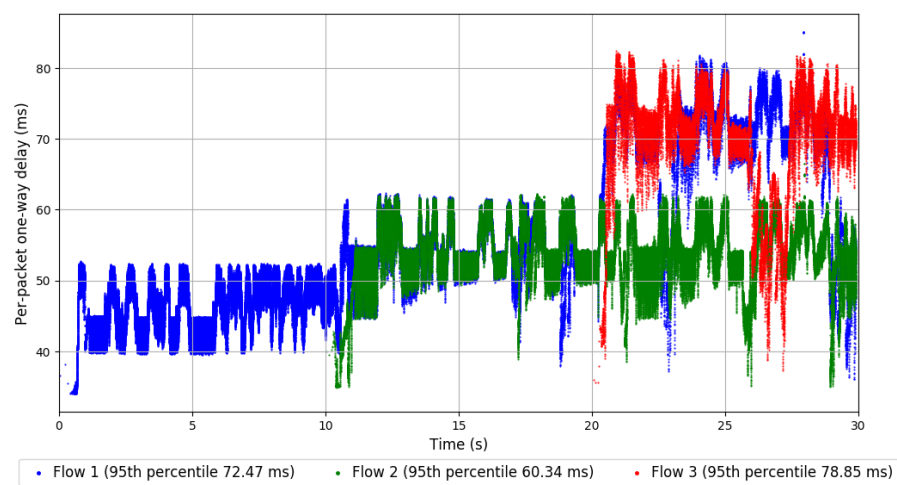
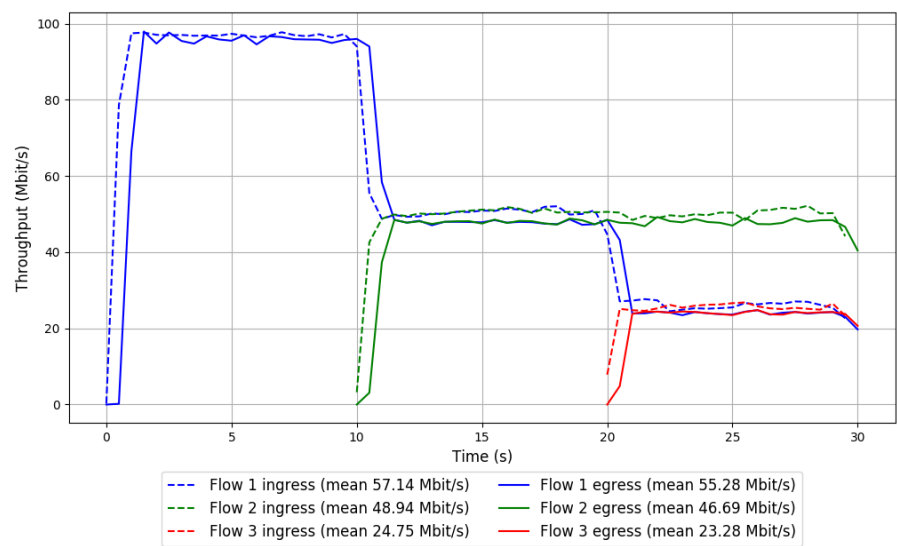
-- Flow 3:

Average throughput: 23.28 Mbit/s

95th percentile per-packet one-way delay: 78.854 ms

Loss rate: 6.75%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-30 17:44:45

End at: 2018-06-30 17:45:15

Local clock offset: 0.391 ms

Remote clock offset: 3.065 ms

Below is generated by plot.py at 2018-06-30 19:19:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 155.130 ms

Loss rate: 27.05%

-- Flow 1:

Average throughput: 0.95 Mbit/s

95th percentile per-packet one-way delay: 152.754 ms

Loss rate: 26.65%

-- Flow 2:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 156.832 ms

Loss rate: 32.63%

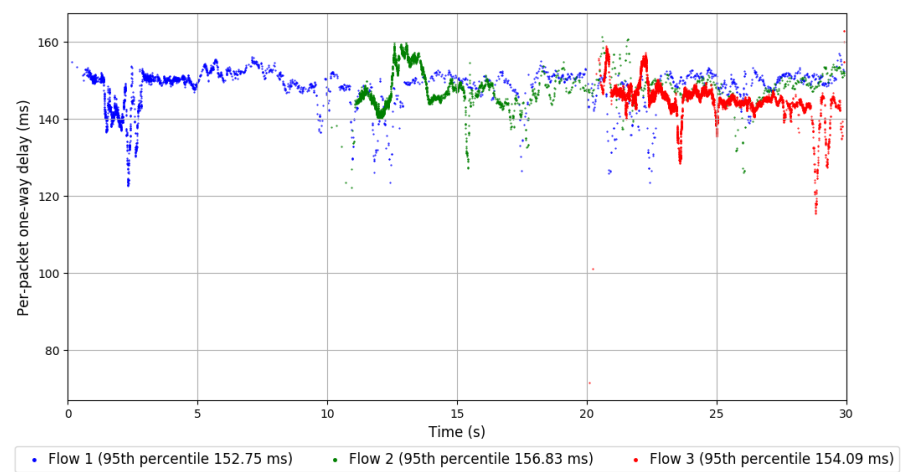
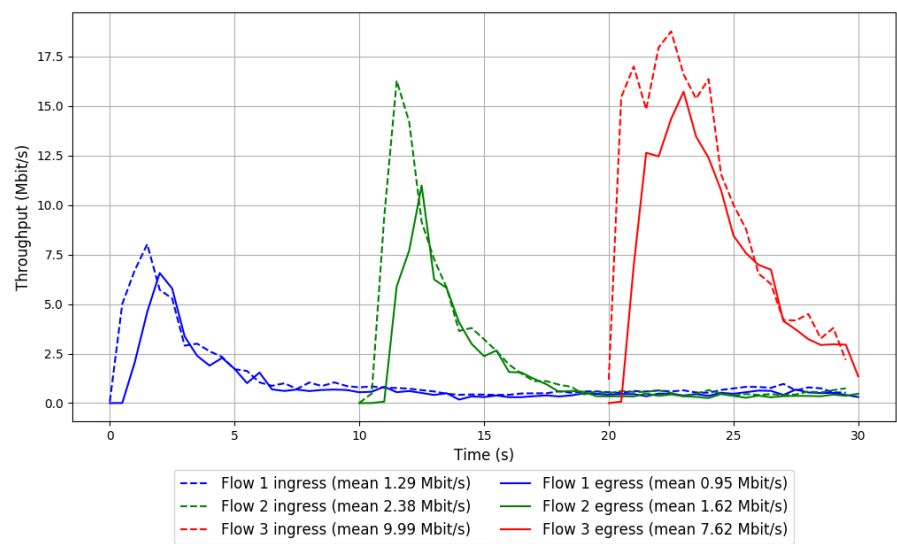
-- Flow 3:

Average throughput: 7.62 Mbit/s

95th percentile per-packet one-way delay: 154.087 ms

Loss rate: 24.54%

Run 7: Report of FillP — Data Link

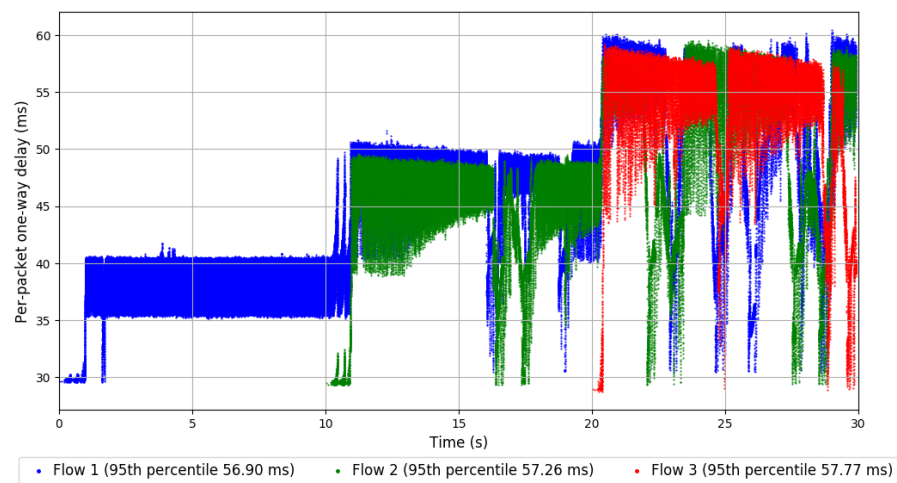
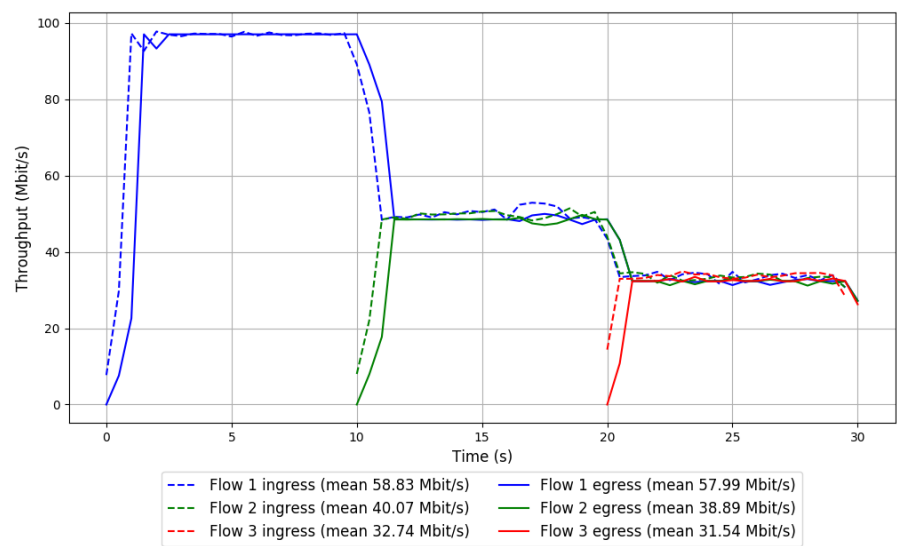


Run 8: Statistics of FillP

Start at: 2018-06-30 18:16:48
End at: 2018-06-30 18:17:18
Local clock offset: 0.771 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2018-06-30 19:19:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 57.331 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 56.900 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 57.257 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 57.774 ms
Loss rate: 4.25%

Run 8: Report of FillP — Data Link

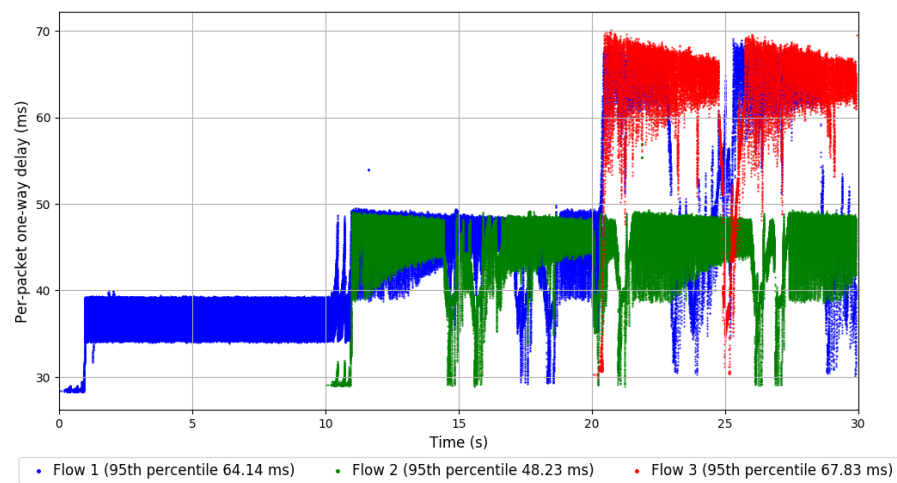
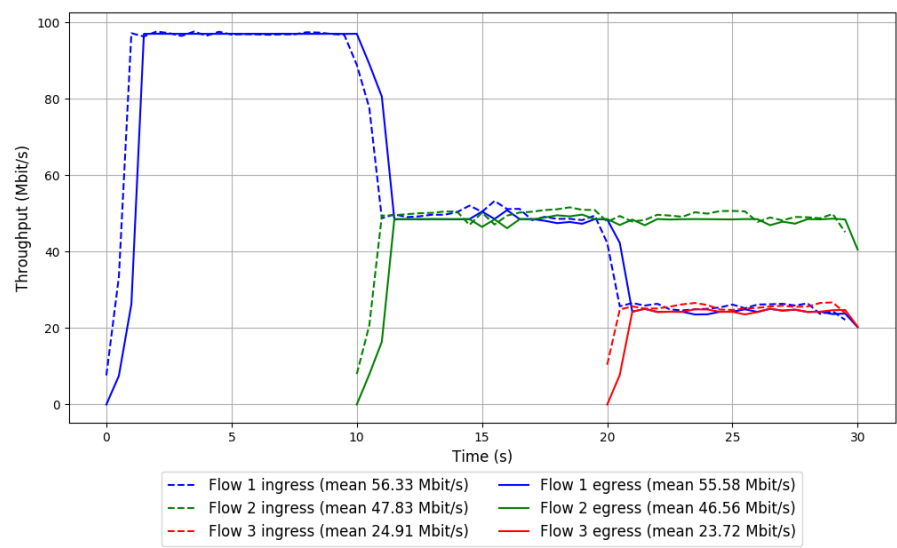


Run 9: Statistics of FillP

Start at: 2018-06-30 18:39:40
End at: 2018-06-30 18:40:10
Local clock offset: 3.843 ms
Remote clock offset: -1.027 ms

Below is generated by plot.py at 2018-06-30 19:19:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 65.354 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 64.136 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 48.225 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 67.830 ms
Loss rate: 5.44%

Run 9: Report of FillP — Data Link

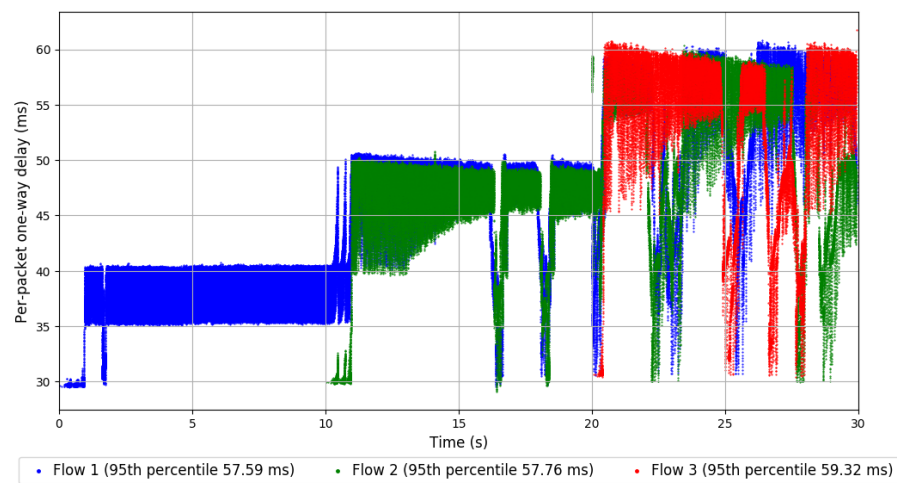
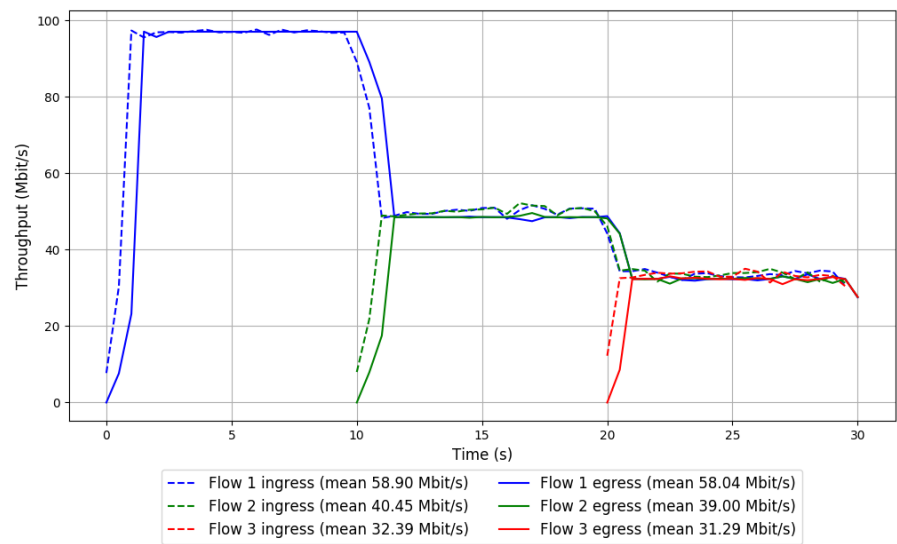


Run 10: Statistics of FillP

Start at: 2018-06-30 19:02:27
End at: 2018-06-30 19:02:57
Local clock offset: 0.479 ms
Remote clock offset: -1.607 ms

Below is generated by plot.py at 2018-06-30 19:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 58.155 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 58.04 Mbit/s
95th percentile per-packet one-way delay: 57.587 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 57.761 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 59.317 ms
Loss rate: 4.10%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-06-30 14:32:45

End at: 2018-06-30 14:33:15

Local clock offset: 3.527 ms

Remote clock offset: 2.974 ms

Below is generated by plot.py at 2018-06-30 19:19:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 40.906 ms

Loss rate: 6.04%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 41.370 ms

Loss rate: 6.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 40.175 ms

Loss rate: 8.00%

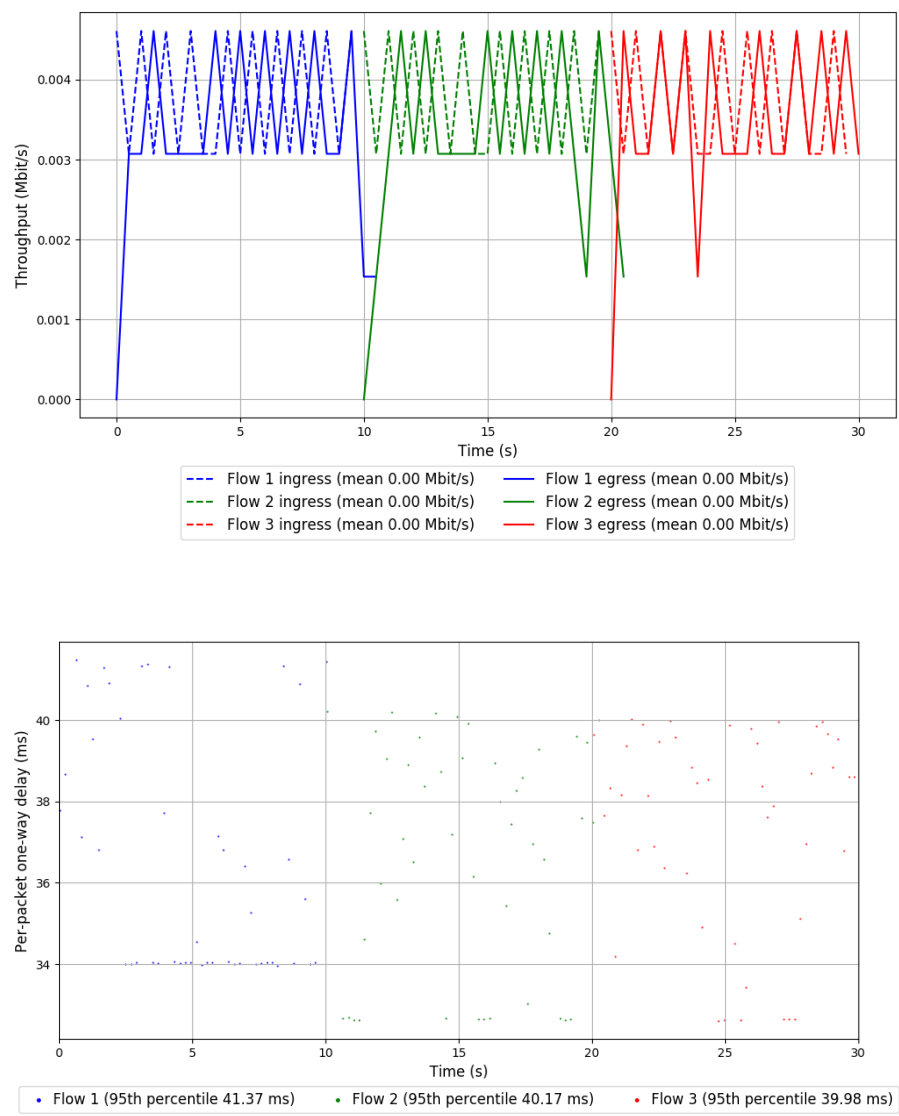
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.975 ms

Loss rate: 4.08%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-06-30 15:00:29

End at: 2018-06-30 15:00:59

Local clock offset: 0.997 ms

Remote clock offset: 2.833 ms

Below is generated by plot.py at 2018-06-30 19:19:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 40.019 ms

Loss rate: 2.68%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 40.042 ms

Loss rate: 4.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.932 ms

Loss rate: 4.00%

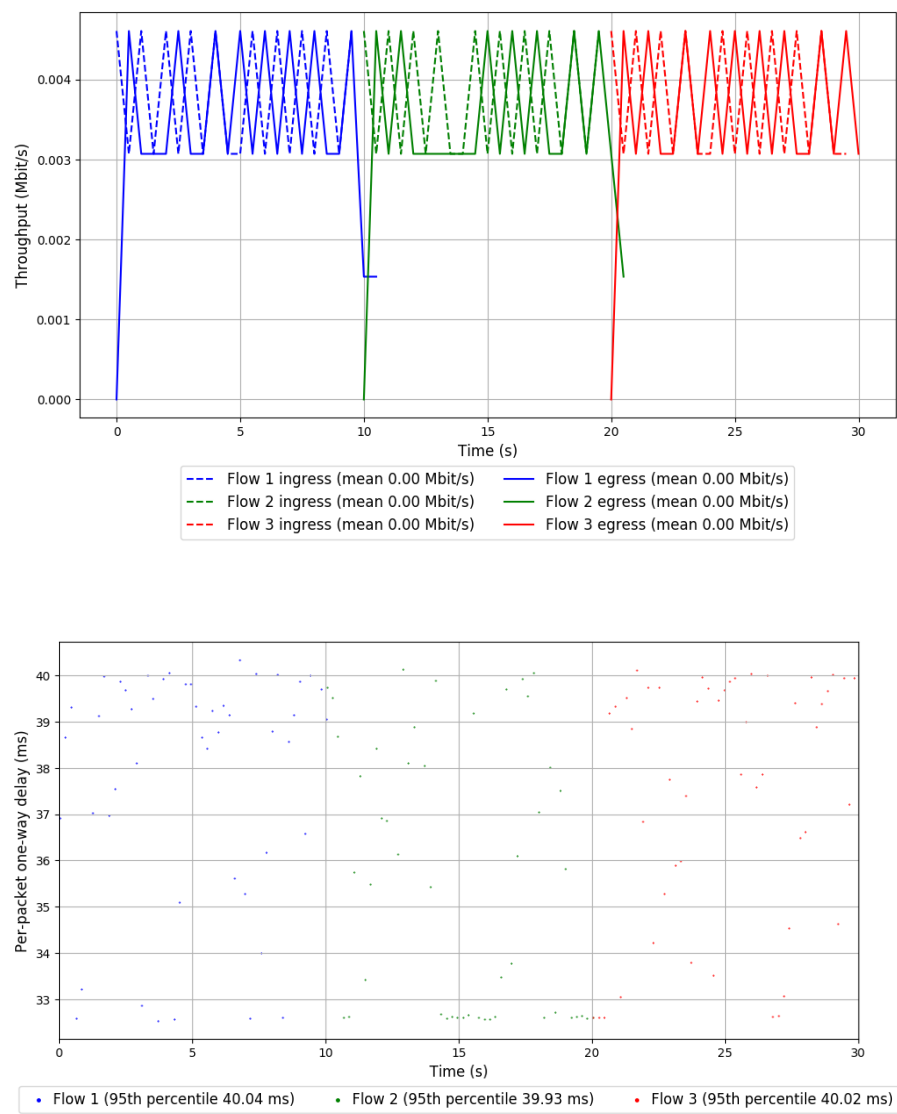
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 40.018 ms

Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-06-30 15:29:06

End at: 2018-06-30 15:29:36

Local clock offset: 3.423 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-06-30 19:19:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.838 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.978 ms

Loss rate: 4.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.878 ms

Loss rate: 0.00%

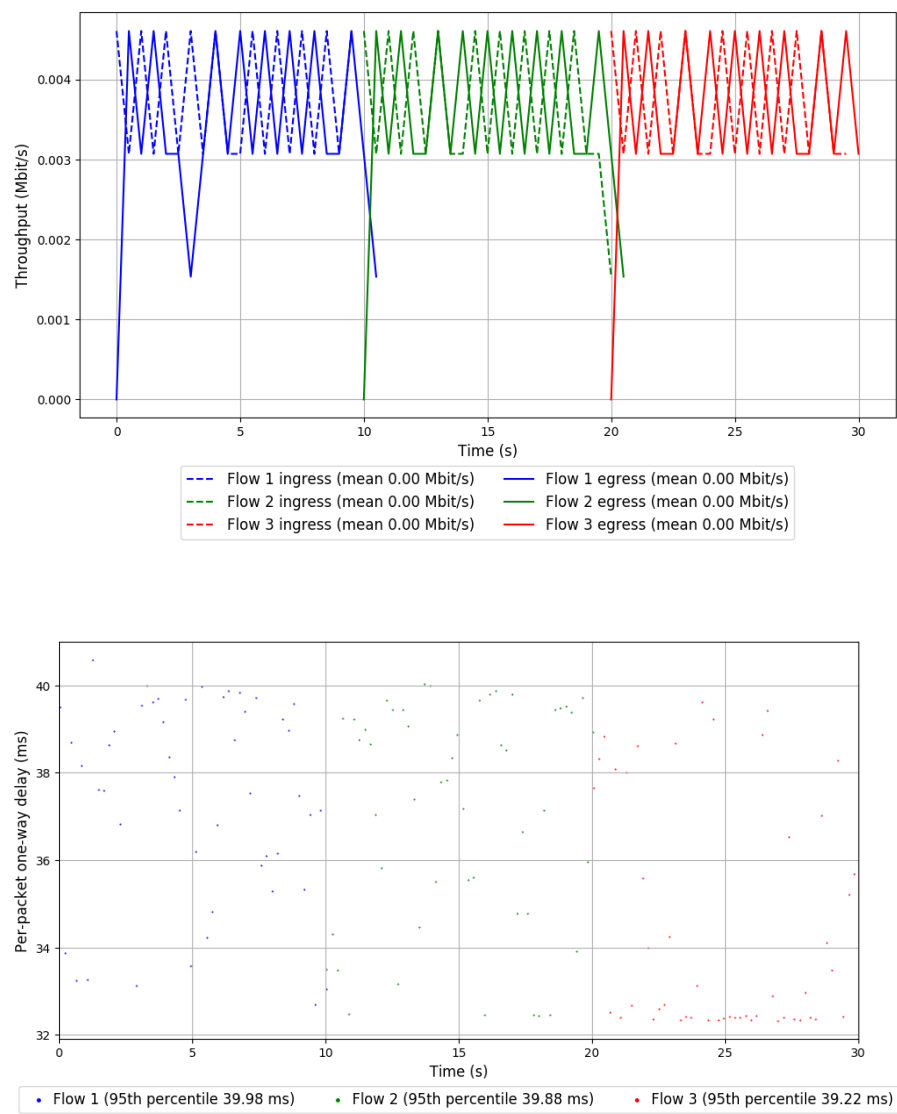
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.222 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

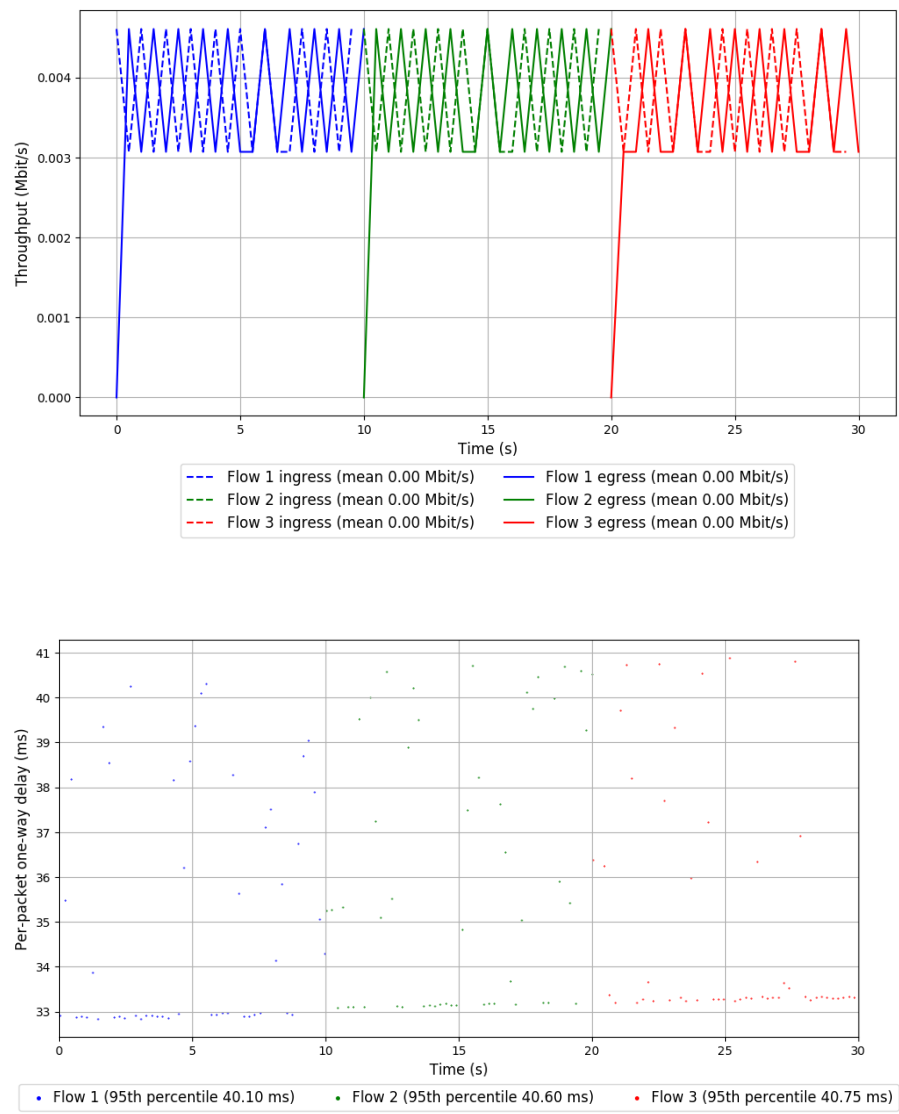


Run 4: Statistics of FillP-Sheep

Start at: 2018-06-30 15:57:18
End at: 2018-06-30 15:57:48
Local clock offset: 1.83 ms
Remote clock offset: -2.139 ms

Below is generated by plot.py at 2018-06-30 19:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.578 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.099 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.601 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 40.747 ms
Loss rate: 2.04%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-06-30 16:25:26

End at: 2018-06-30 16:25:56

Local clock offset: 0.761 ms

Remote clock offset: 3.417 ms

Below is generated by plot.py at 2018-06-30 19:19:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 40.440 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.306 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 40.546 ms

Loss rate: 2.00%

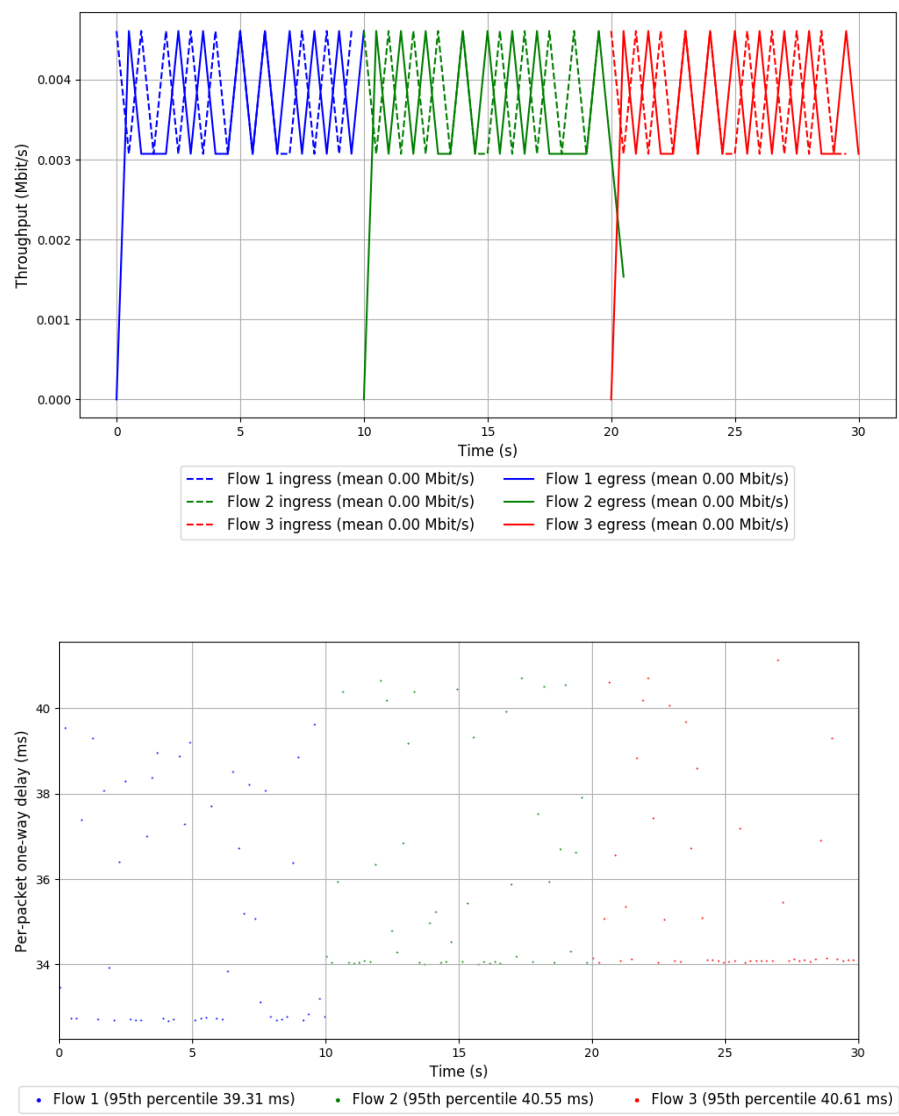
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 40.606 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-06-30 16:52:59

End at: 2018-06-30 16:53:29

Local clock offset: 0.729 ms

Remote clock offset: 3.418 ms

Below is generated by plot.py at 2018-06-30 19:19:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 156.065 ms

Loss rate: 23.49%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 148.023 ms

Loss rate: 24.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 159.007 ms

Loss rate: 32.00%

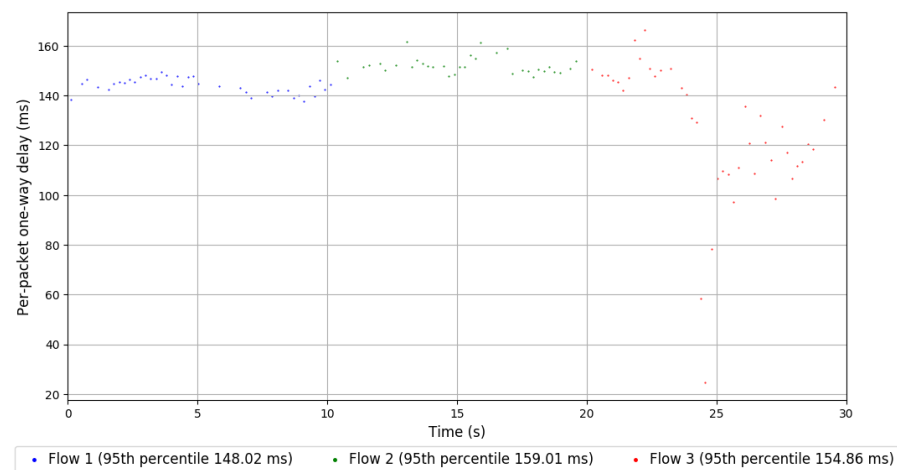
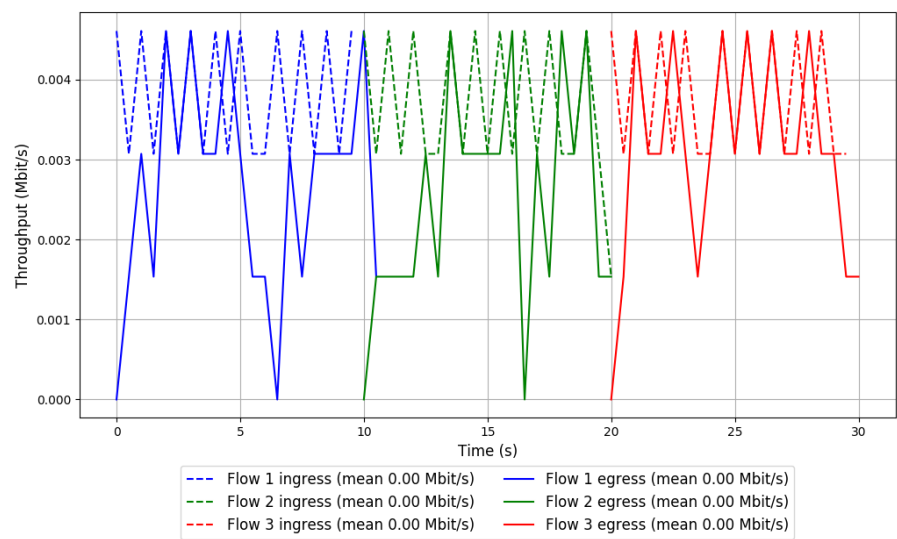
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 154.856 ms

Loss rate: 14.29%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-06-30 18:00:26

End at: 2018-06-30 18:00:56

Local clock offset: 0.483 ms

Remote clock offset: 3.892 ms

Below is generated by plot.py at 2018-06-30 19:19:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 150.908 ms

Loss rate: 23.49%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 148.108 ms

Loss rate: 14.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 149.694 ms

Loss rate: 30.00%

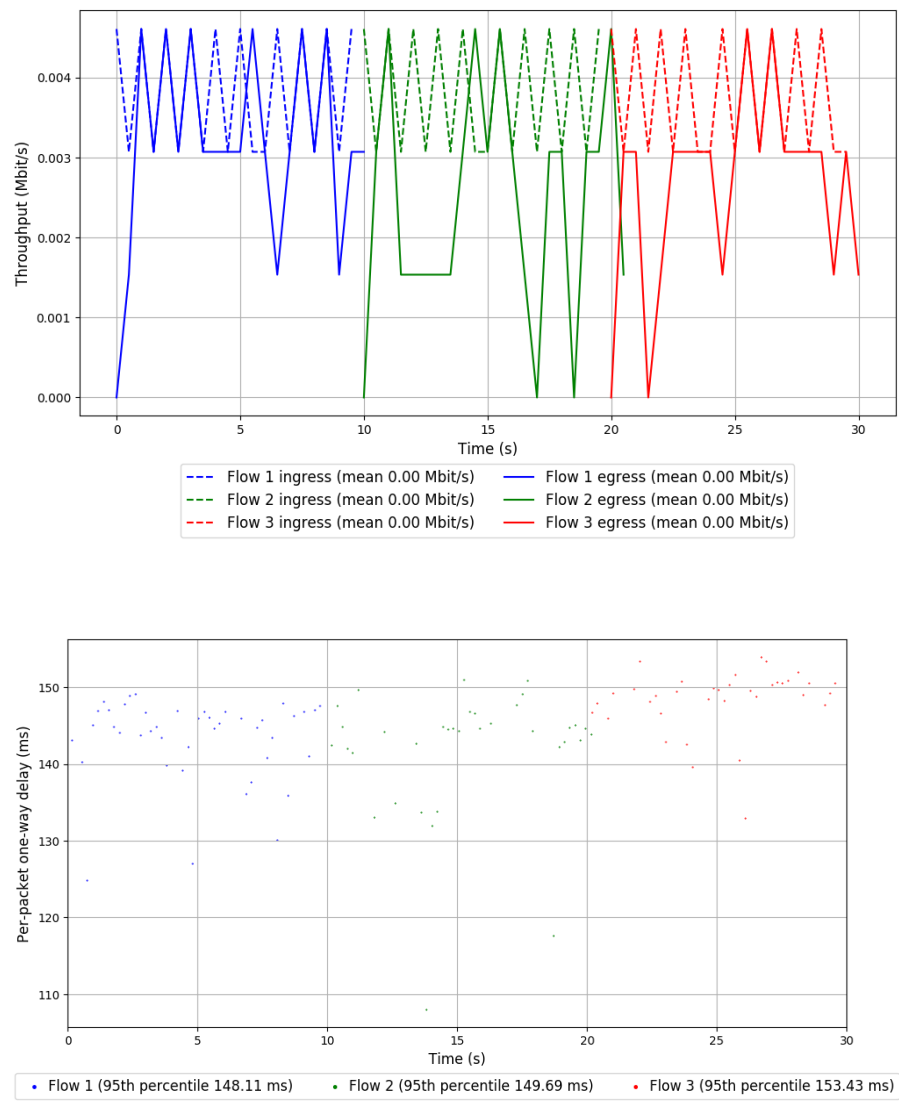
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 153.425 ms

Loss rate: 26.53%

Run 7: Report of FillP-Sheep — Data Link

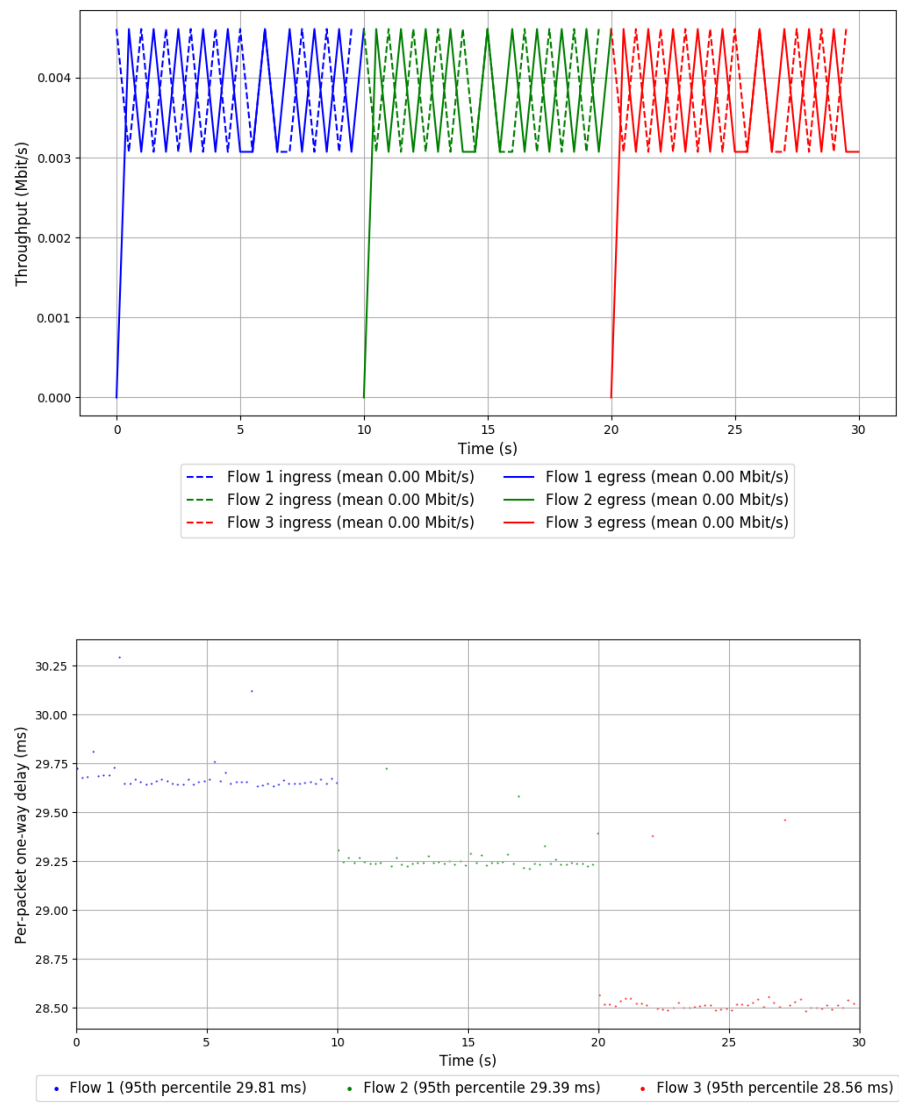


Run 8: Statistics of FillP-Sheep

Start at: 2018-06-30 18:23:29
End at: 2018-06-30 18:23:59
Local clock offset: 2.325 ms
Remote clock offset: -1.486 ms

Below is generated by plot.py at 2018-06-30 19:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.701 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.809 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.392 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 28.564 ms
Loss rate: 2.00%

Run 8: Report of FillP-Sheep — Data Link

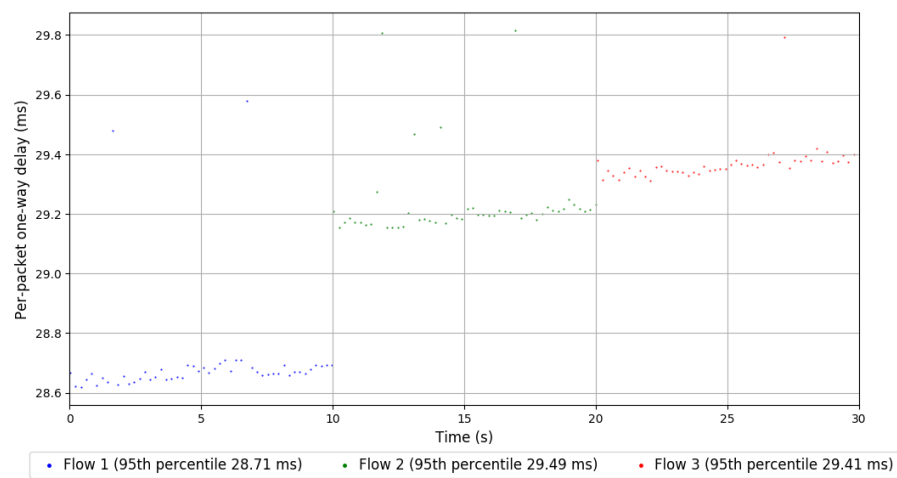
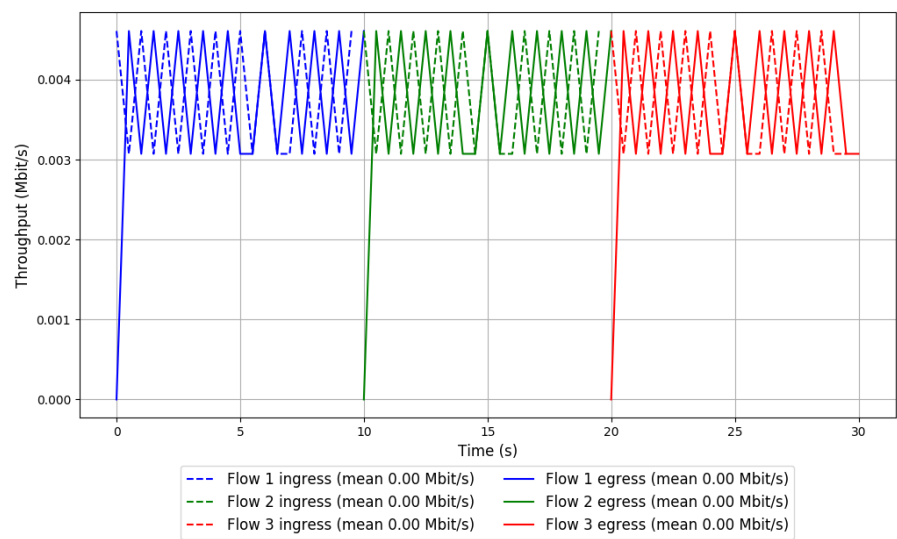


Run 9: Statistics of FillP-Sheep

Start at: 2018-06-30 18:46:20
End at: 2018-06-30 18:46:50
Local clock offset: 3.788 ms
Remote clock offset: -0.712 ms

Below is generated by plot.py at 2018-06-30 19:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 28.711 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.491 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.408 ms
Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link

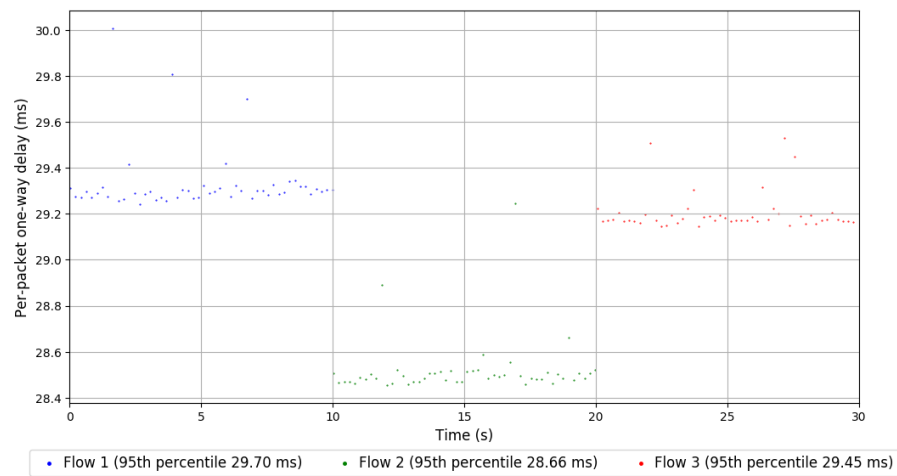
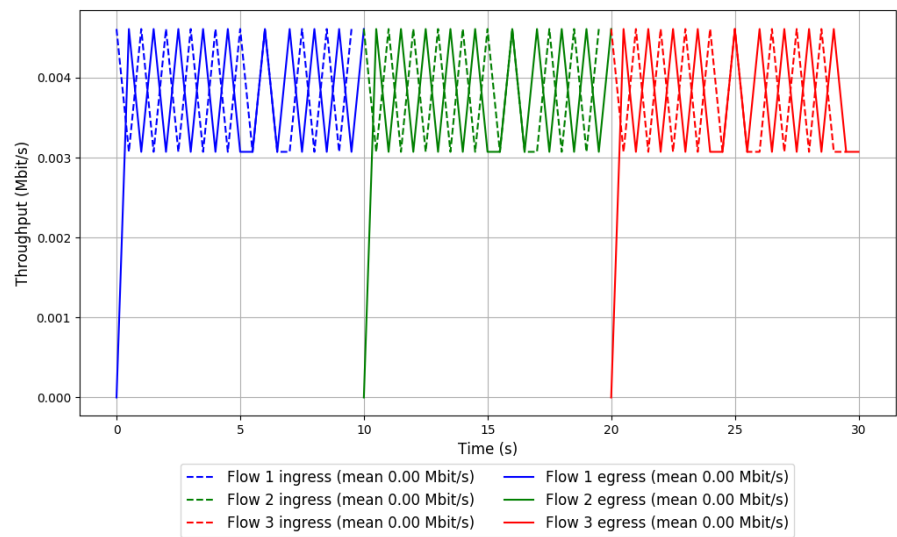


Run 10: Statistics of FillP-Sheep

Start at: 2018-06-30 19:09:07
End at: 2018-06-30 19:09:37
Local clock offset: 0.002 ms
Remote clock offset: -1.067 ms

Below is generated by plot.py at 2018-06-30 19:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.698 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 28.660 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.448 ms
Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

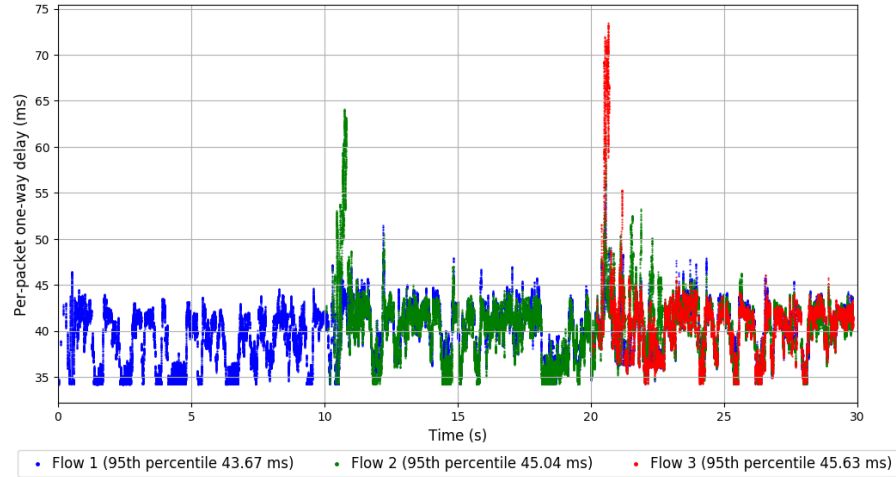
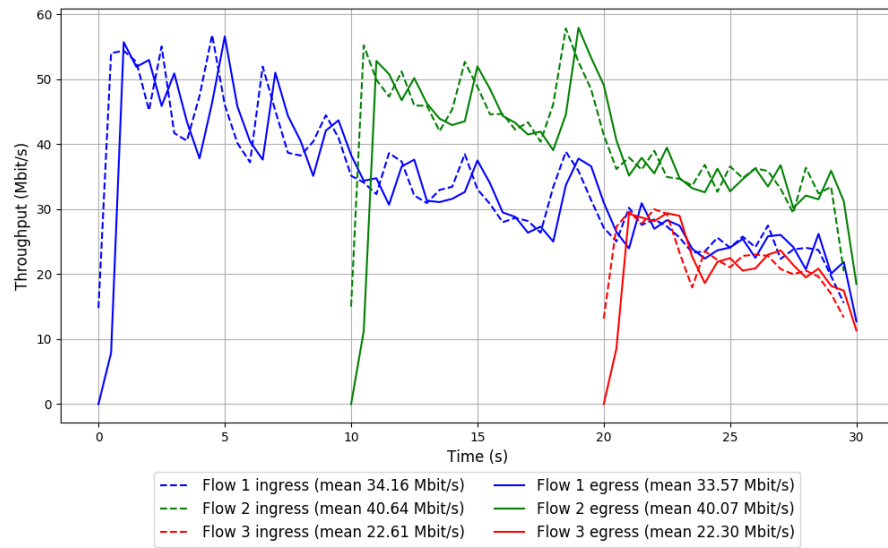


```
Run 1: Statistics of Indigo

Start at: 2018-06-30 14:10:38
End at: 2018-06-30 14:11:08
Local clock offset: -0.042 ms
Remote clock offset: 4.349 ms

# Below is generated by plot.py at 2018-06-30 19:19:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.42 Mbit/s
95th percentile per-packet one-way delay: 44.086 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 43.671 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 45.044 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 45.630 ms
Loss rate: 2.13%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-30 14:38:14

End at: 2018-06-30 14:38:44

Local clock offset: 3.896 ms

Remote clock offset: 3.294 ms

Below is generated by plot.py at 2018-06-30 19:20:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.43 Mbit/s

95th percentile per-packet one-way delay: 43.482 ms

Loss rate: 2.49%

-- Flow 1:

Average throughput: 37.18 Mbit/s

95th percentile per-packet one-way delay: 43.190 ms

Loss rate: 2.36%

-- Flow 2:

Average throughput: 22.97 Mbit/s

95th percentile per-packet one-way delay: 43.649 ms

Loss rate: 2.94%

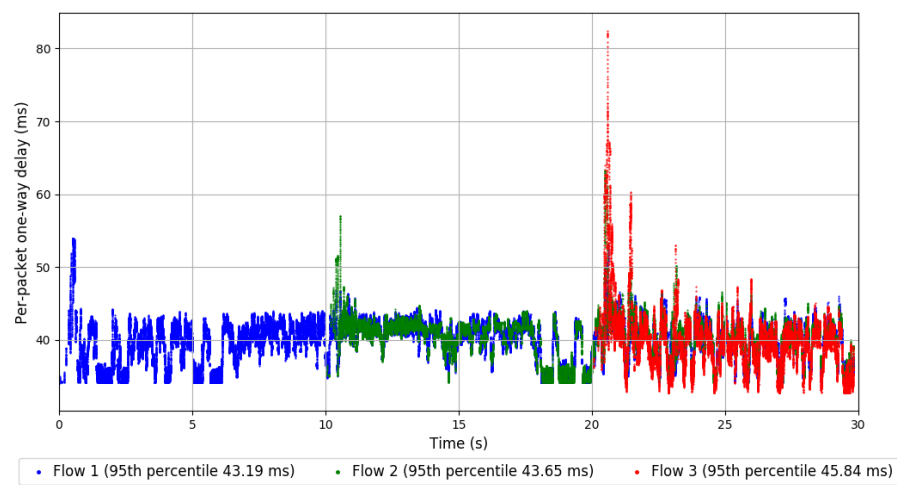
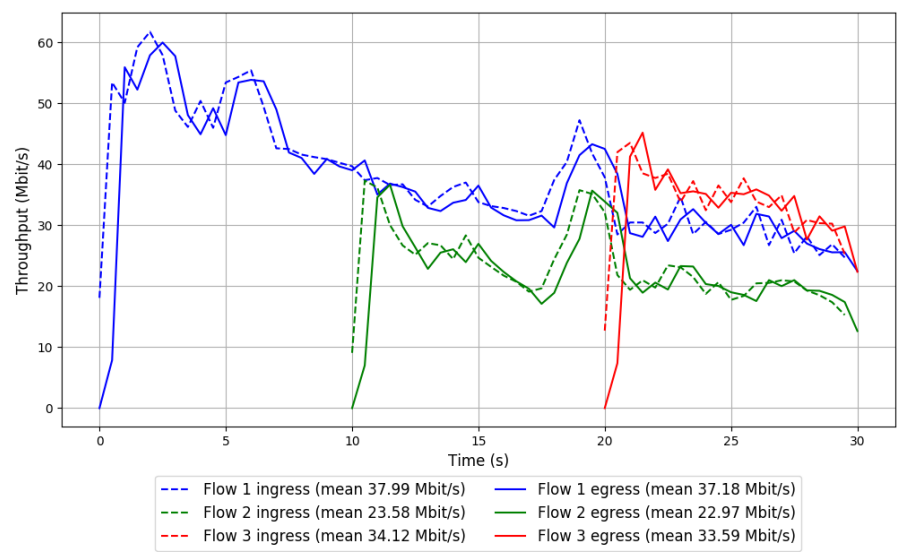
-- Flow 3:

Average throughput: 33.59 Mbit/s

95th percentile per-packet one-way delay: 45.838 ms

Loss rate: 2.31%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-30 15:05:40

End at: 2018-06-30 15:06:11

Local clock offset: 0.684 ms

Remote clock offset: 2.41 ms

Below is generated by plot.py at 2018-06-30 19:20:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.70 Mbit/s

95th percentile per-packet one-way delay: 44.870 ms

Loss rate: 2.19%

-- Flow 1:

Average throughput: 37.04 Mbit/s

95th percentile per-packet one-way delay: 44.084 ms

Loss rate: 2.22%

-- Flow 2:

Average throughput: 35.22 Mbit/s

95th percentile per-packet one-way delay: 45.958 ms

Loss rate: 2.06%

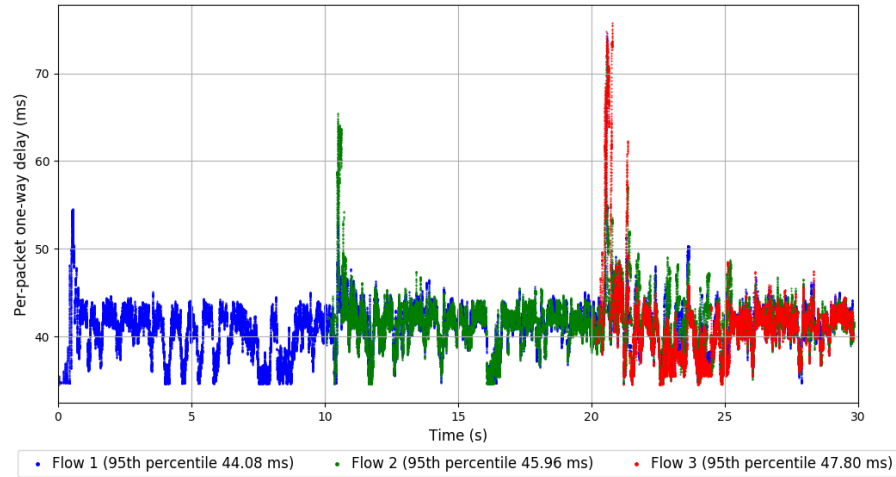
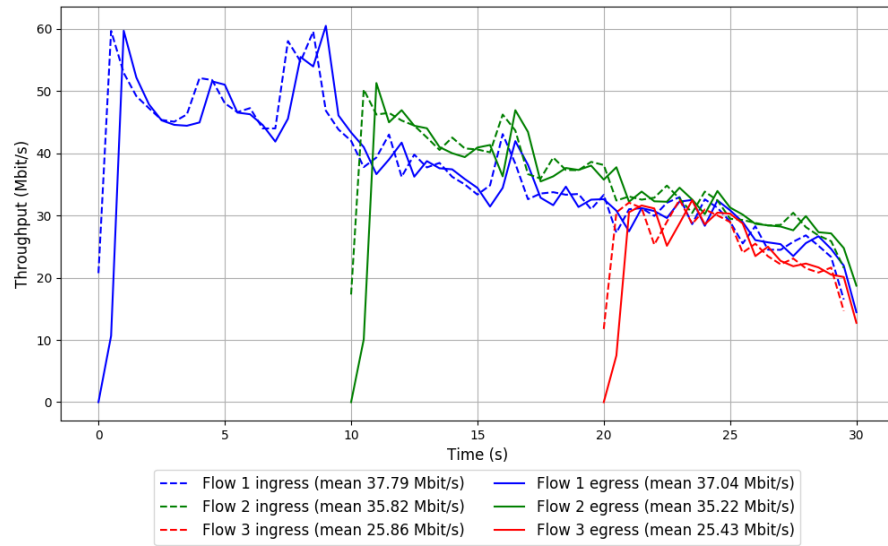
-- Flow 3:

Average throughput: 25.43 Mbit/s

95th percentile per-packet one-way delay: 47.801 ms

Loss rate: 2.44%

Run 3: Report of Indigo — Data Link

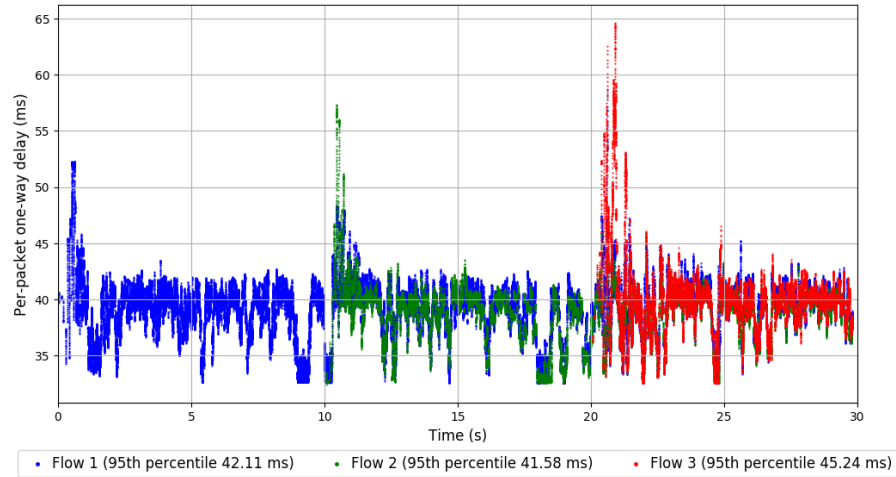
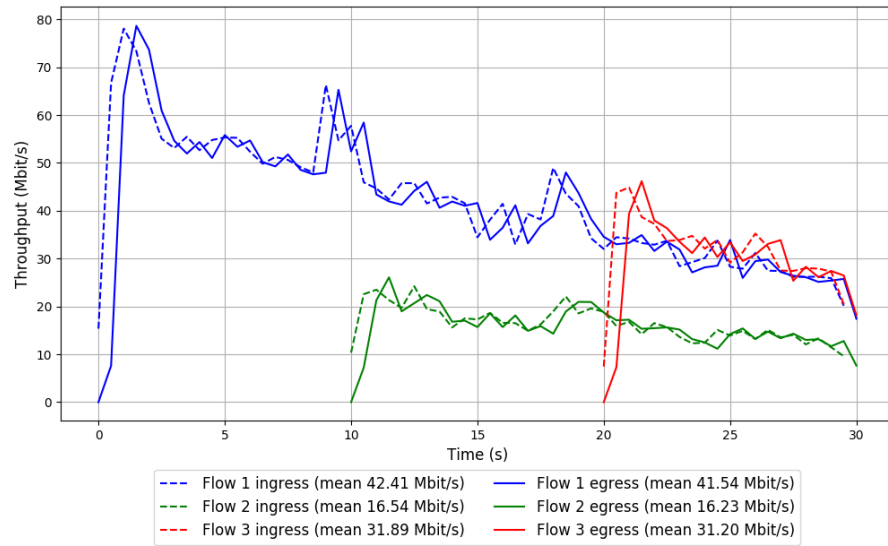


Run 4: Statistics of Indigo

Start at: 2018-06-30 15:34:27
End at: 2018-06-30 15:34:57
Local clock offset: 4.042 ms
Remote clock offset: -0.891 ms

Below is generated by plot.py at 2018-06-30 19:20:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 42.265 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 42.109 ms
Loss rate: 2.30%
-- Flow 2:
Average throughput: 16.23 Mbit/s
95th percentile per-packet one-way delay: 41.584 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 45.243 ms
Loss rate: 2.88%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-30 16:02:03

End at: 2018-06-30 16:02:33

Local clock offset: 1.34 ms

Remote clock offset: 0.326 ms

Below is generated by plot.py at 2018-06-30 19:20:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.64 Mbit/s

95th percentile per-packet one-way delay: 46.459 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 59.01 Mbit/s

95th percentile per-packet one-way delay: 47.490 ms

Loss rate: 1.33%

-- Flow 2:

Average throughput: 23.27 Mbit/s

95th percentile per-packet one-way delay: 43.702 ms

Loss rate: 1.52%

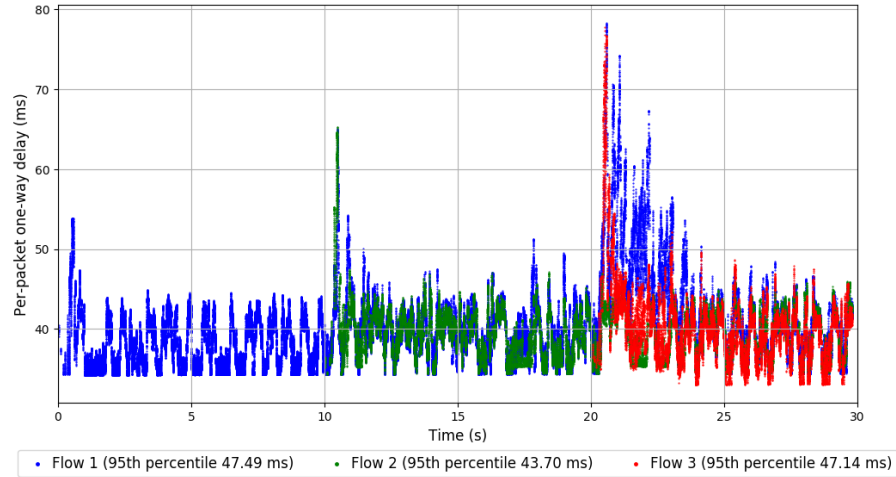
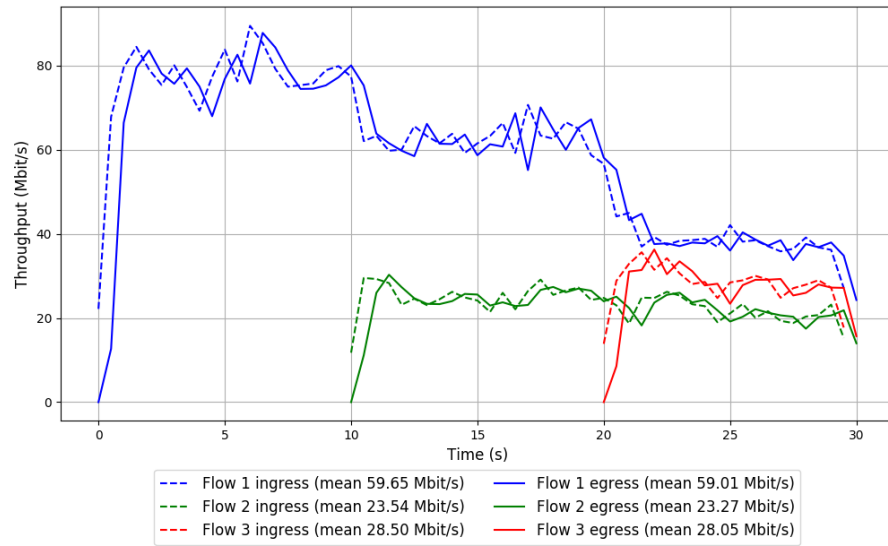
-- Flow 3:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 47.136 ms

Loss rate: 2.32%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-30 16:30:04

End at: 2018-06-30 16:30:34

Local clock offset: 0.662 ms

Remote clock offset: 3.592 ms

Below is generated by plot.py at 2018-06-30 19:20:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.90 Mbit/s

95th percentile per-packet one-way delay: 44.475 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 60.77 Mbit/s

95th percentile per-packet one-way delay: 44.785 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 26.40 Mbit/s

95th percentile per-packet one-way delay: 44.550 ms

Loss rate: 1.43%

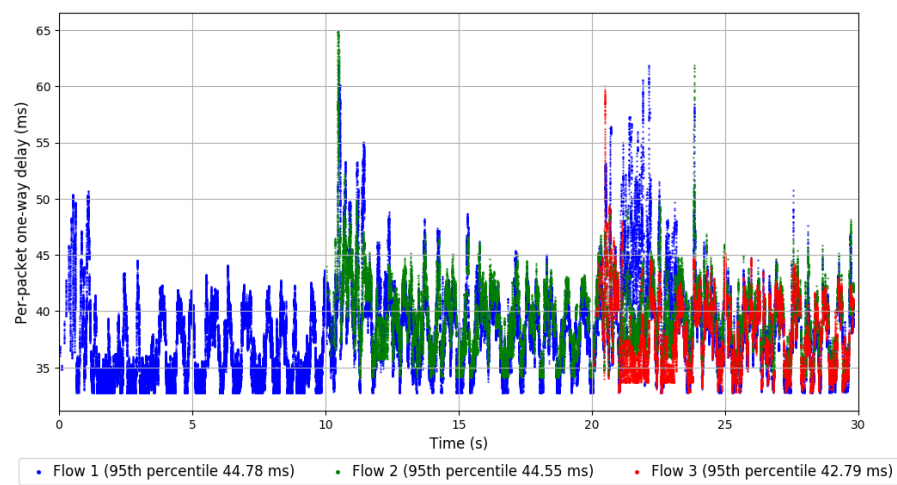
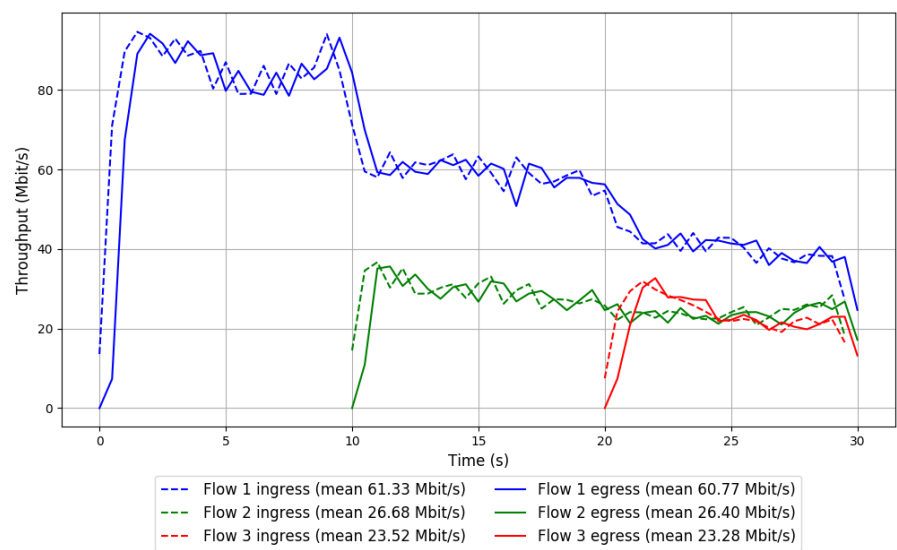
-- Flow 3:

Average throughput: 23.28 Mbit/s

95th percentile per-packet one-way delay: 42.791 ms

Loss rate: 1.73%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-30 17:03:10

End at: 2018-06-30 17:03:40

Local clock offset: 0.778 ms

Remote clock offset: 3.385 ms

Below is generated by plot.py at 2018-06-30 19:20:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.70 Mbit/s

95th percentile per-packet one-way delay: 166.724 ms

Loss rate: 37.77%

-- Flow 1:

Average throughput: 19.58 Mbit/s

95th percentile per-packet one-way delay: 168.336 ms

Loss rate: 36.33%

-- Flow 2:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 158.135 ms

Loss rate: 23.64%

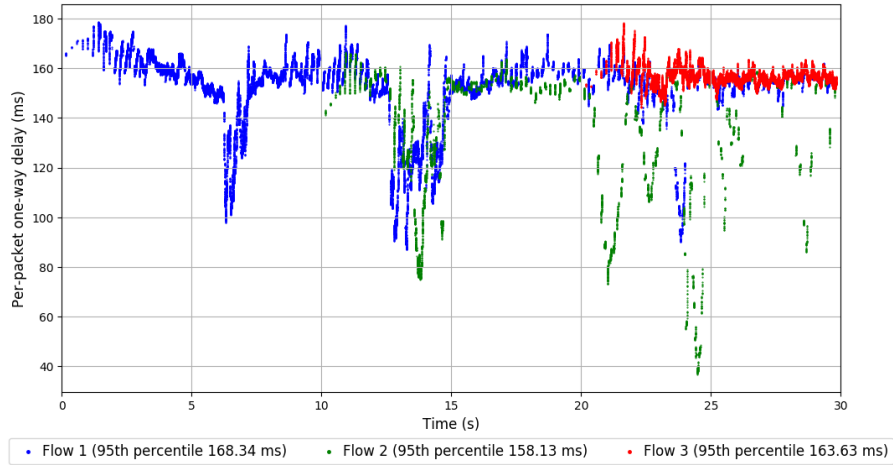
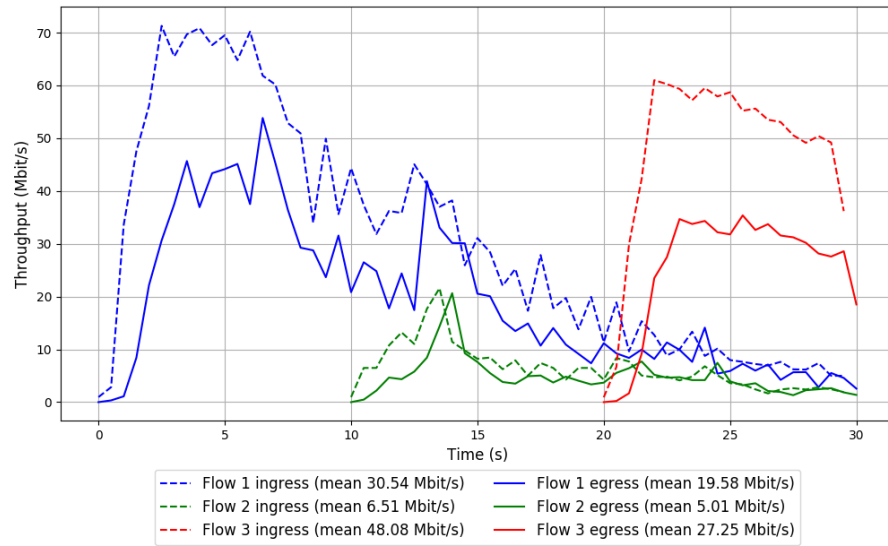
-- Flow 3:

Average throughput: 27.25 Mbit/s

95th percentile per-packet one-way delay: 163.630 ms

Loss rate: 44.40%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-30 18:04:35

End at: 2018-06-30 18:05:05

Local clock offset: 0.455 ms

Remote clock offset: -0.98 ms

Below is generated by plot.py at 2018-06-30 19:21:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 40.870 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 38.687 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 40.26 Mbit/s

95th percentile per-packet one-way delay: 45.106 ms

Loss rate: 0.41%

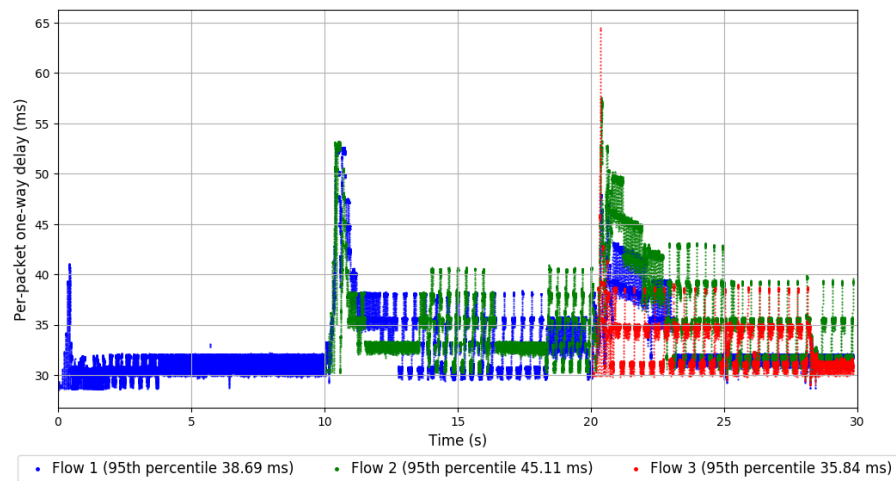
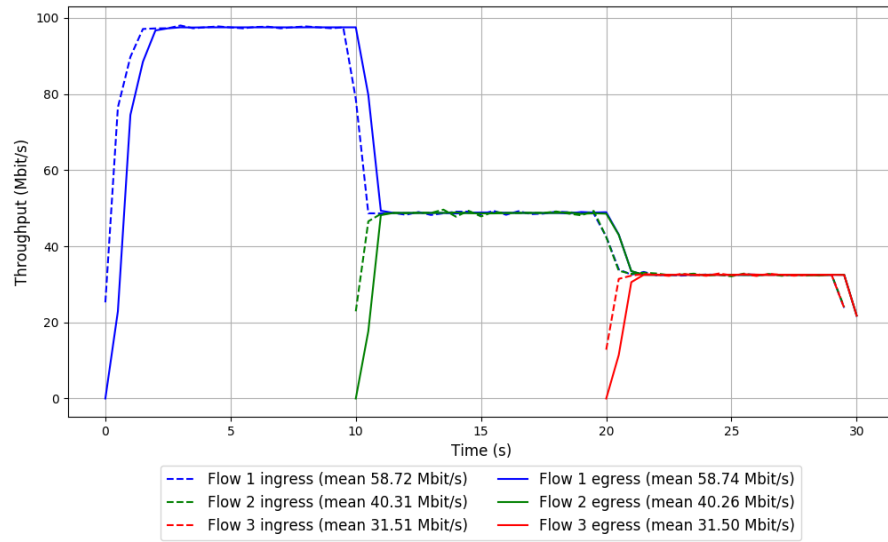
-- Flow 3:

Average throughput: 31.50 Mbit/s

95th percentile per-packet one-way delay: 35.844 ms

Loss rate: 0.65%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-30 18:27:27

End at: 2018-06-30 18:27:57

Local clock offset: 2.74 ms

Remote clock offset: -1.21 ms

Below is generated by plot.py at 2018-06-30 19:21:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 39.575 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 64.10 Mbit/s

95th percentile per-packet one-way delay: 35.197 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 36.62 Mbit/s

95th percentile per-packet one-way delay: 48.247 ms

Loss rate: 0.36%

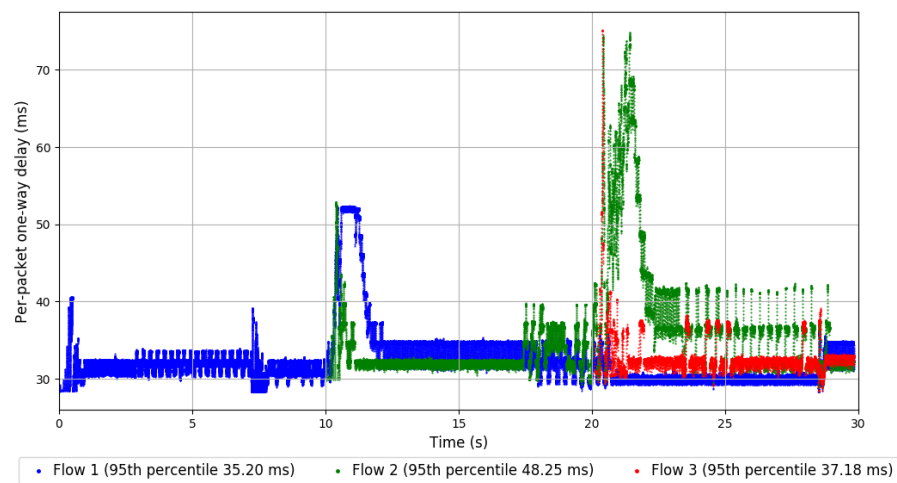
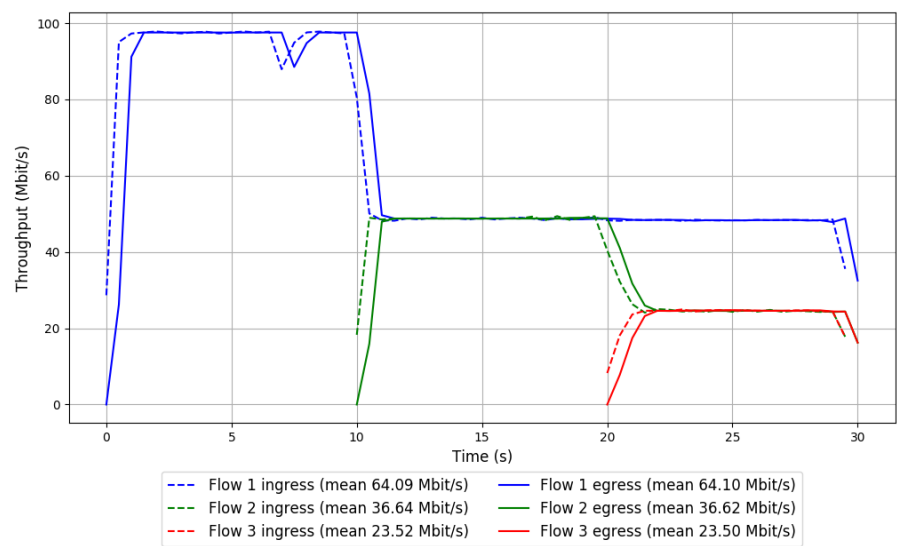
-- Flow 3:

Average throughput: 23.50 Mbit/s

95th percentile per-packet one-way delay: 37.176 ms

Loss rate: 0.71%

Run 9: Report of Indigo — Data Link

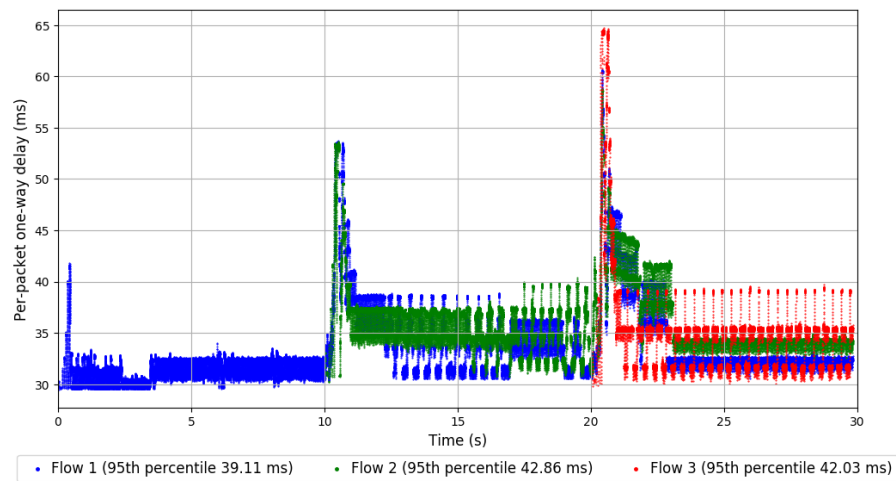
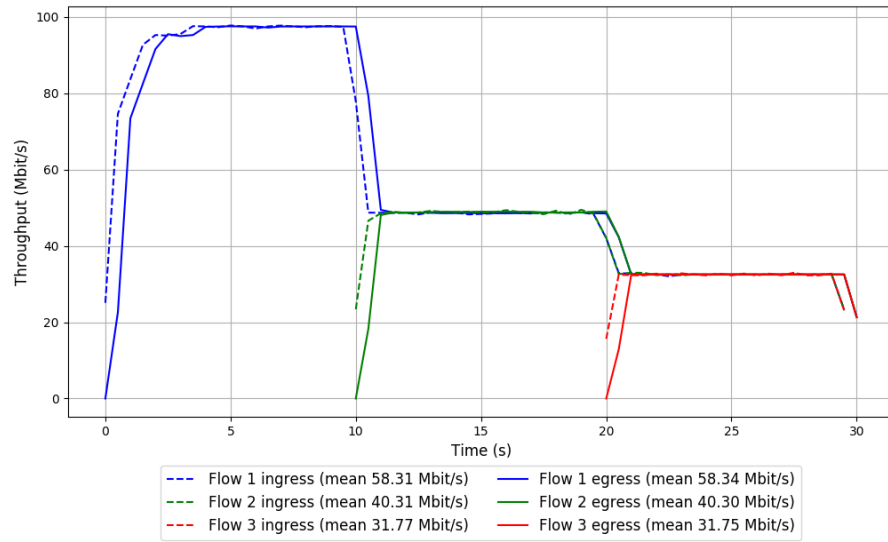


Run 10: Statistics of Indigo

Start at: 2018-06-30 18:50:18
End at: 2018-06-30 18:50:48
Local clock offset: 2.388 ms
Remote clock offset: -1.407 ms

Below is generated by plot.py at 2018-06-30 19:21:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 40.999 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 39.107 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 42.859 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 42.027 ms
Loss rate: 0.68%

Run 10: Report of Indigo — Data Link

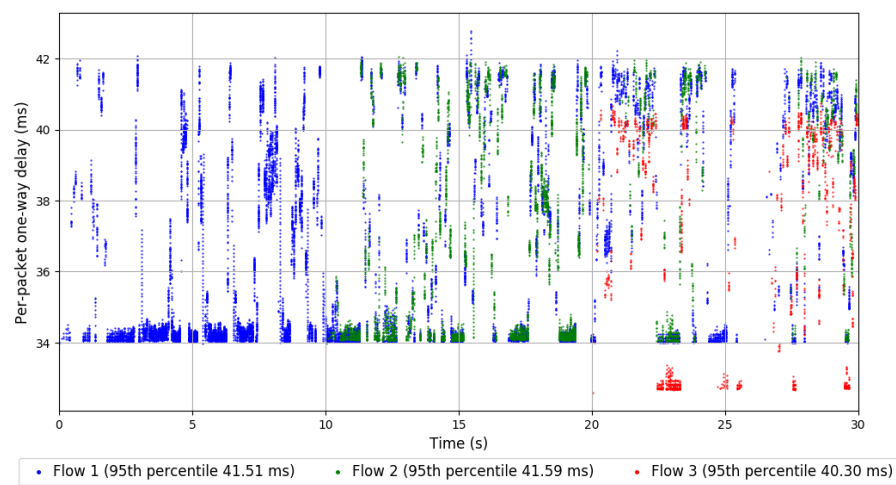
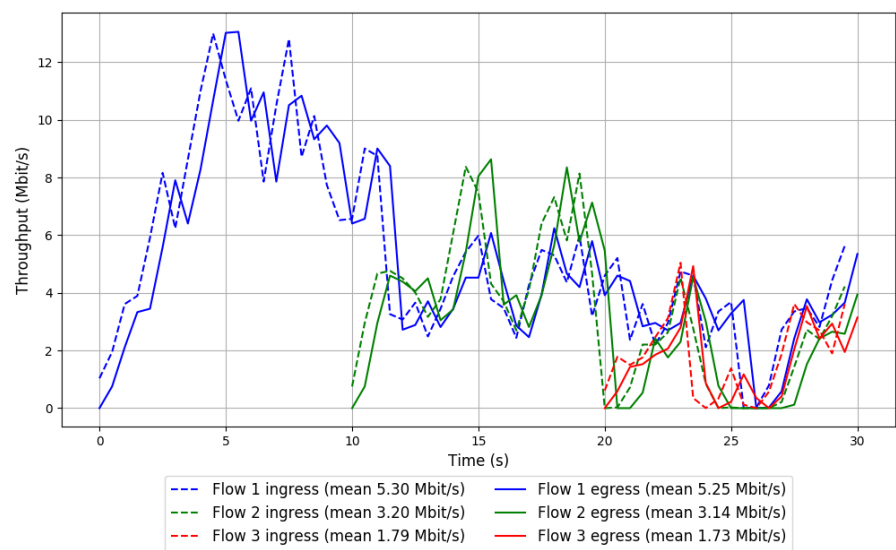


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-30 14:28:37
End at: 2018-06-30 14:29:07
Local clock offset: 3.005 ms
Remote clock offset: 2.767 ms

# Below is generated by plot.py at 2018-06-30 19:21:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 41.523 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 41.512 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 41.587 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 40.298 ms
Loss rate: 4.20%
```


Run 1: Report of LEDBAT — Data Link

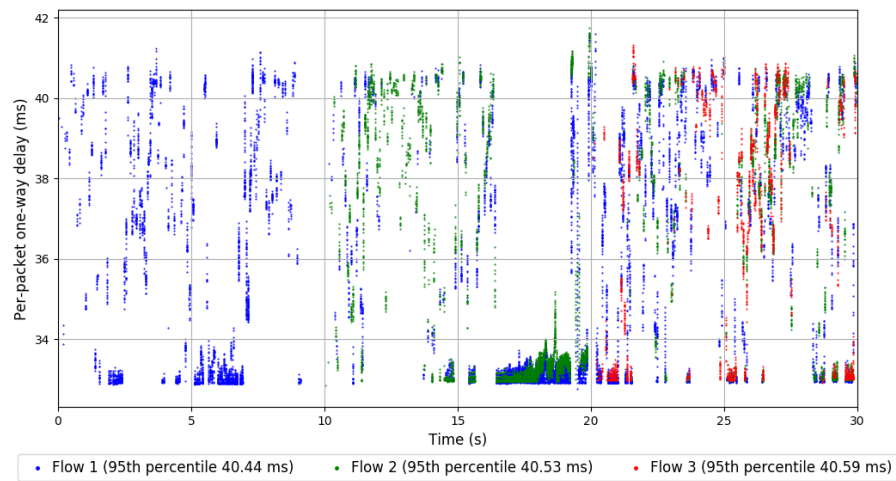
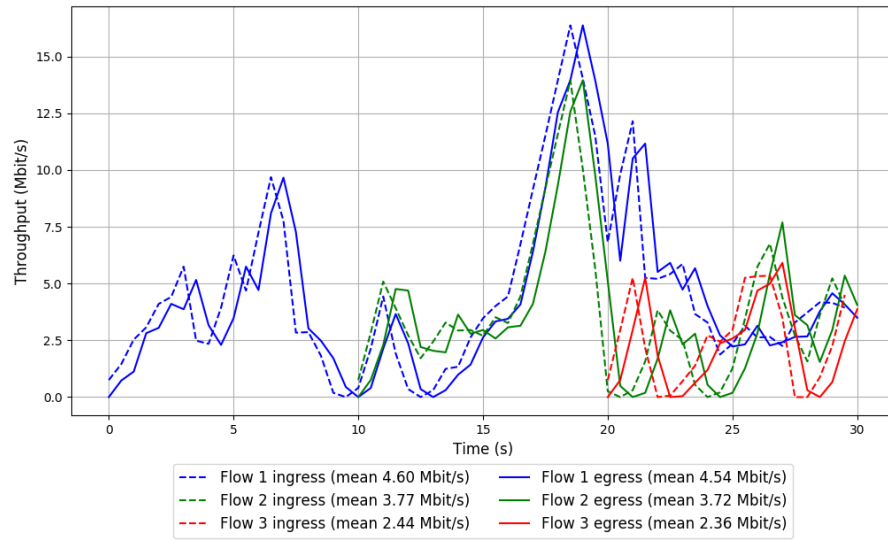


```
Run 2: Statistics of LEDBAT

Start at: 2018-06-30 14:56:22
End at: 2018-06-30 14:56:52
Local clock offset: 1.538 ms
Remote clock offset: 2.772 ms

# Below is generated by plot.py at 2018-06-30 19:21:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 40.491 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 40.441 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 40.531 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 40.591 ms
Loss rate: 3.97%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-30 15:24:59

End at: 2018-06-30 15:25:29

Local clock offset: 2.865 ms

Remote clock offset: 0.923 ms

Below is generated by plot.py at 2018-06-30 19:21:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.84 Mbit/s

95th percentile per-packet one-way delay: 41.429 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 41.458 ms

Loss rate: 2.35%

-- Flow 2:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 41.403 ms

Loss rate: 2.61%

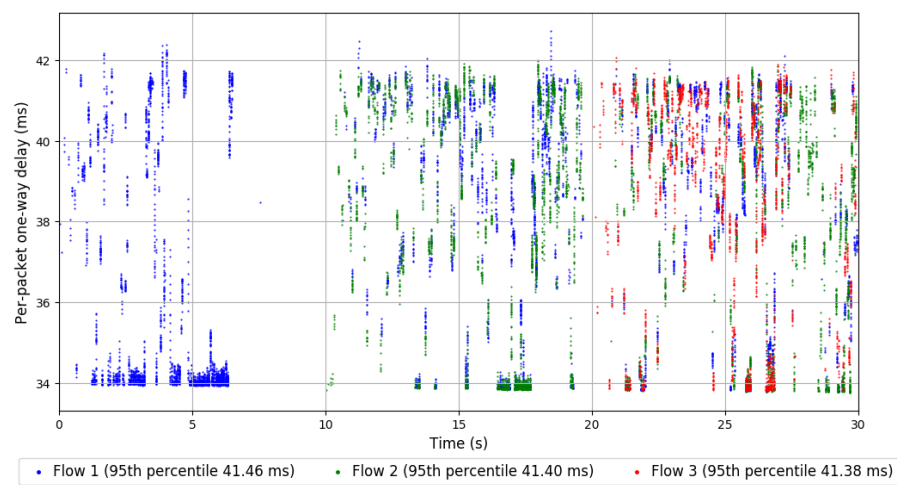
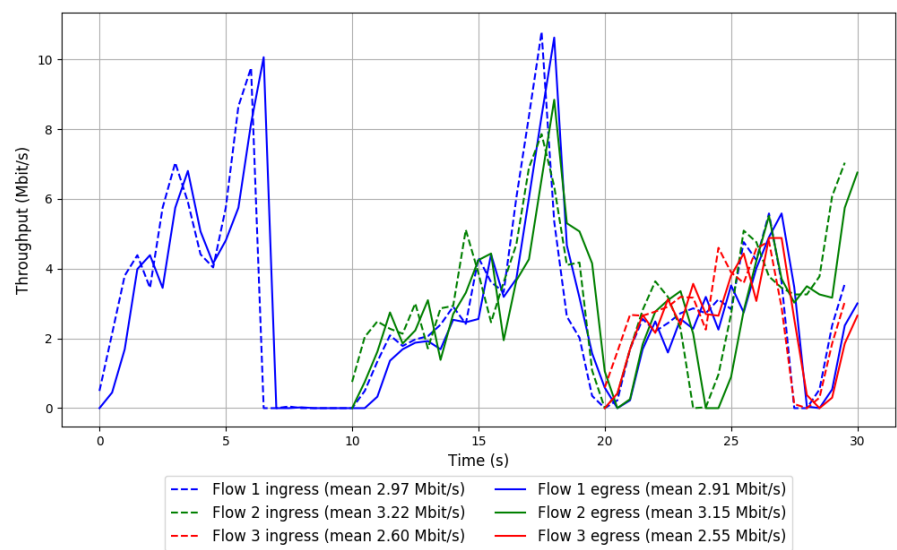
-- Flow 3:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 41.385 ms

Loss rate: 2.51%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-30 15:53:17

End at: 2018-06-30 15:53:47

Local clock offset: 2.46 ms

Remote clock offset: -3.85 ms

Below is generated by plot.py at 2018-06-30 19:21:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 40.719 ms

Loss rate: 1.63%

-- Flow 1:

Average throughput: 2.97 Mbit/s

95th percentile per-packet one-way delay: 40.508 ms

Loss rate: 2.31%

-- Flow 2:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 40.467 ms

Loss rate: 1.18%

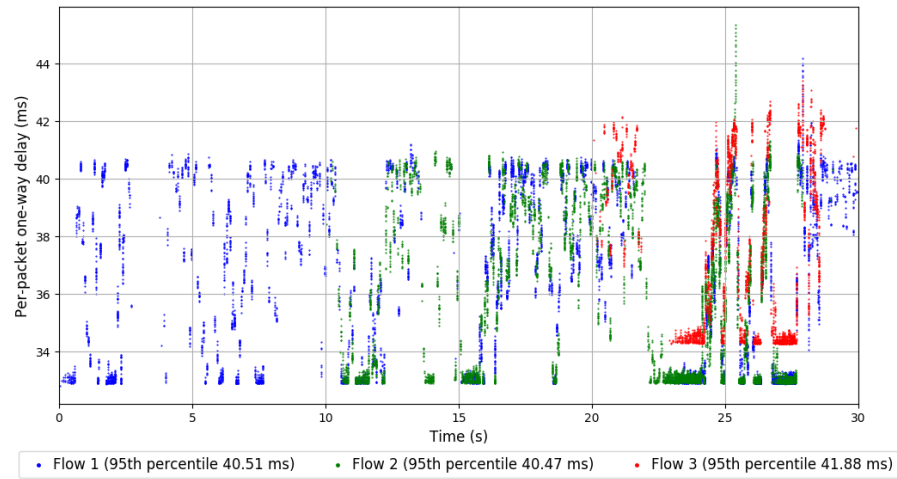
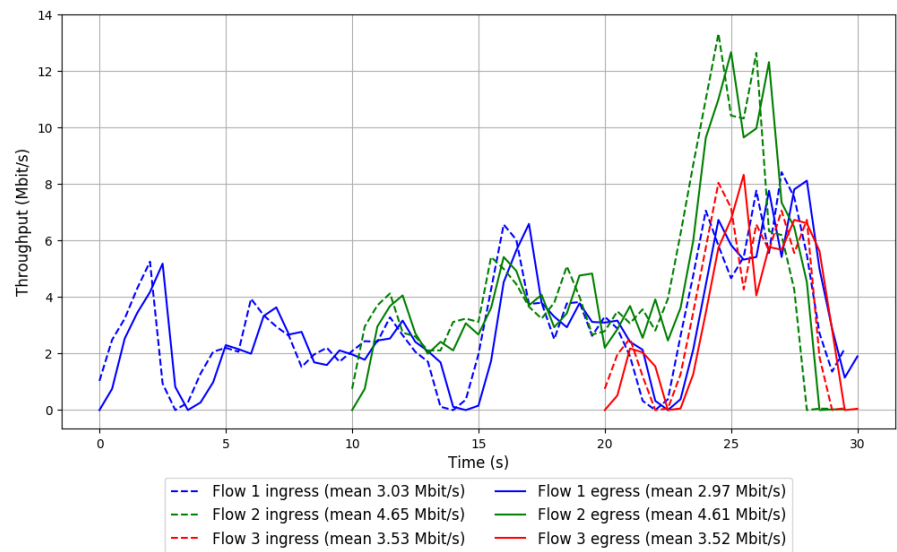
-- Flow 3:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 41.880 ms

Loss rate: 1.01%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-30 16:21:22

End at: 2018-06-30 16:21:52

Local clock offset: 0.679 ms

Remote clock offset: 3.232 ms

Below is generated by plot.py at 2018-06-30 19:21:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 41.055 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 41.133 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 41.139 ms

Loss rate: 1.57%

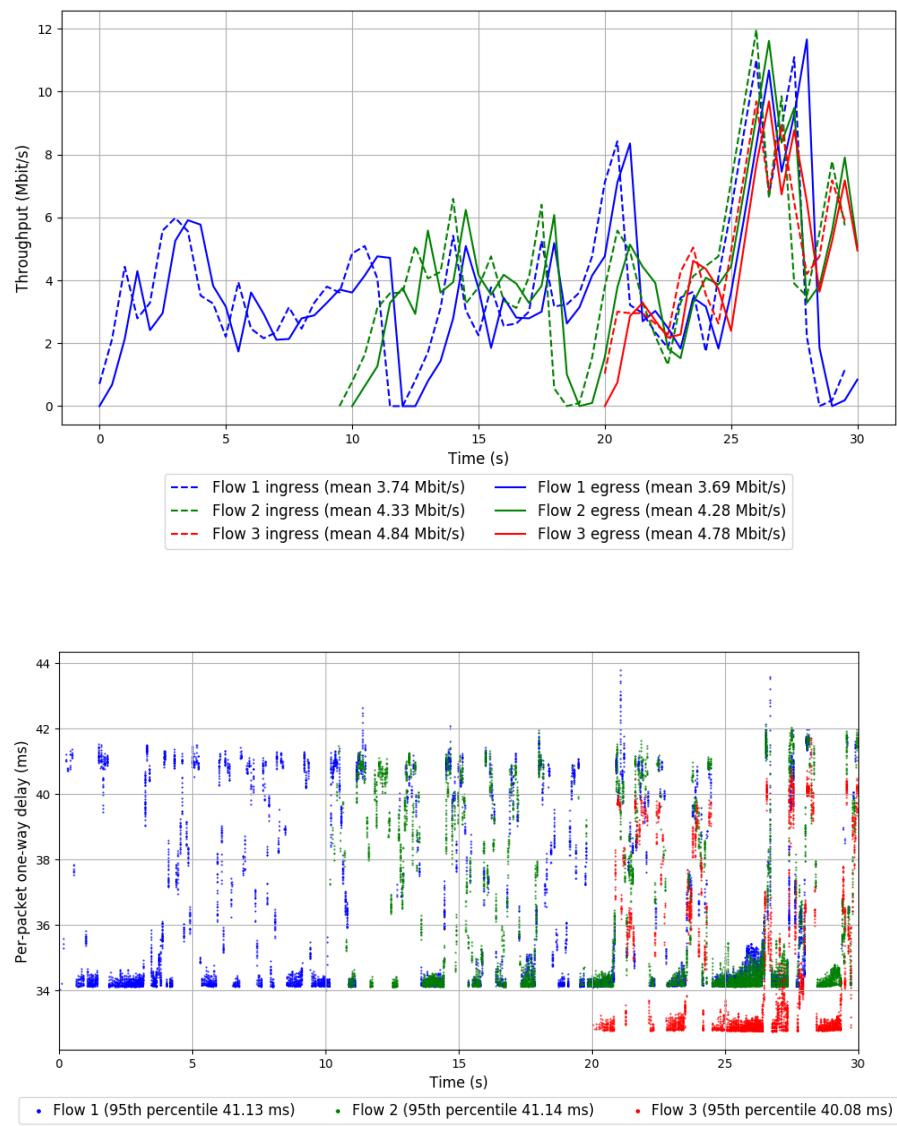
-- Flow 3:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 40.083 ms

Loss rate: 1.97%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-30 16:47:43

End at: 2018-06-30 16:48:13

Local clock offset: 0.608 ms

Remote clock offset: 3.992 ms

Below is generated by plot.py at 2018-06-30 19:21:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.18 Mbit/s

95th percentile per-packet one-way delay: 41.508 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 6.08 Mbit/s

95th percentile per-packet one-way delay: 41.581 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 5.99 Mbit/s

95th percentile per-packet one-way delay: 41.505 ms

Loss rate: 1.12%

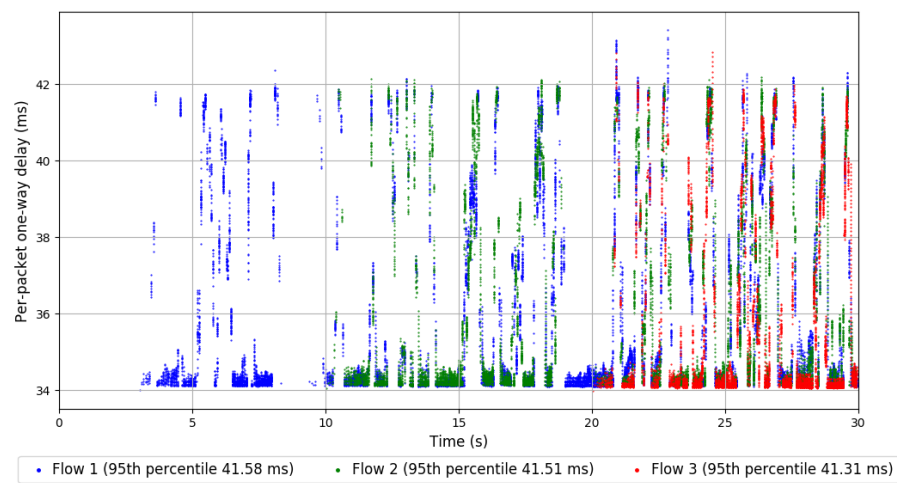
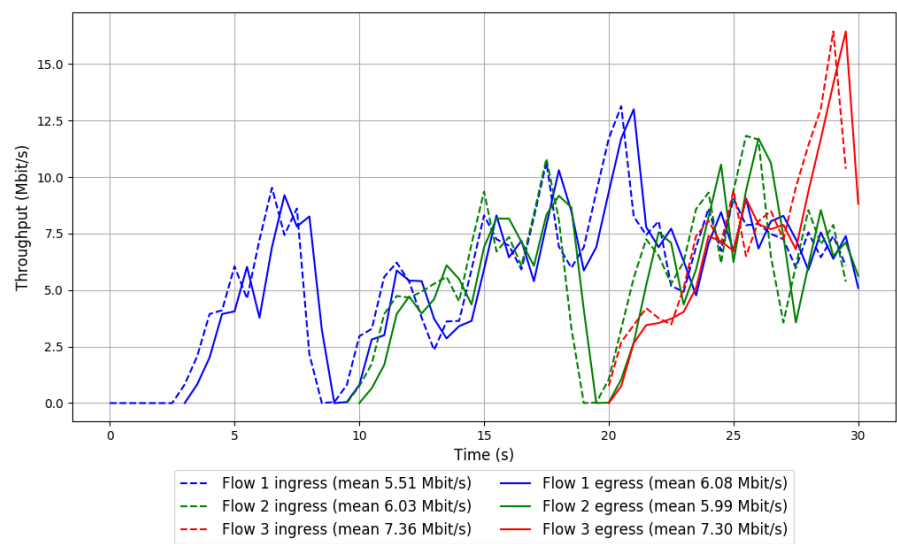
-- Flow 3:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 41.313 ms

Loss rate: 1.44%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-30 17:55:03

End at: 2018-06-30 17:55:33

Local clock offset: 0.495 ms

Remote clock offset: 3.679 ms

Below is generated by plot.py at 2018-06-30 19:21:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 154.085 ms

Loss rate: 31.21%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 151.147 ms

Loss rate: 38.32%

-- Flow 2:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 154.561 ms

Loss rate: 26.02%

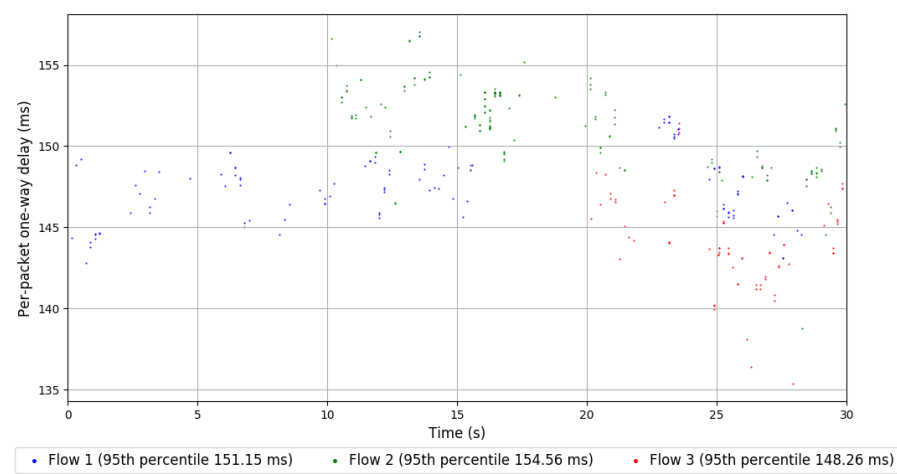
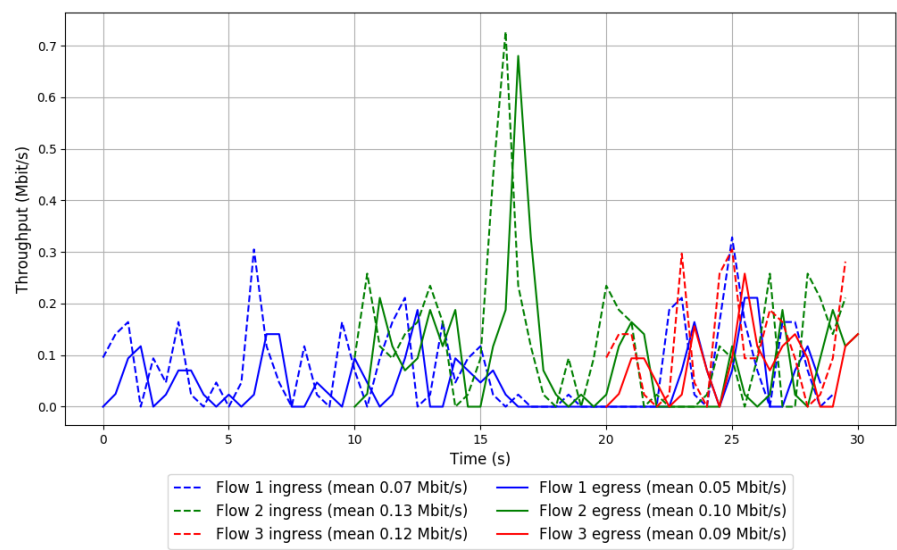
-- Flow 3:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 148.257 ms

Loss rate: 29.79%

Run 7: Report of LEDBAT — Data Link

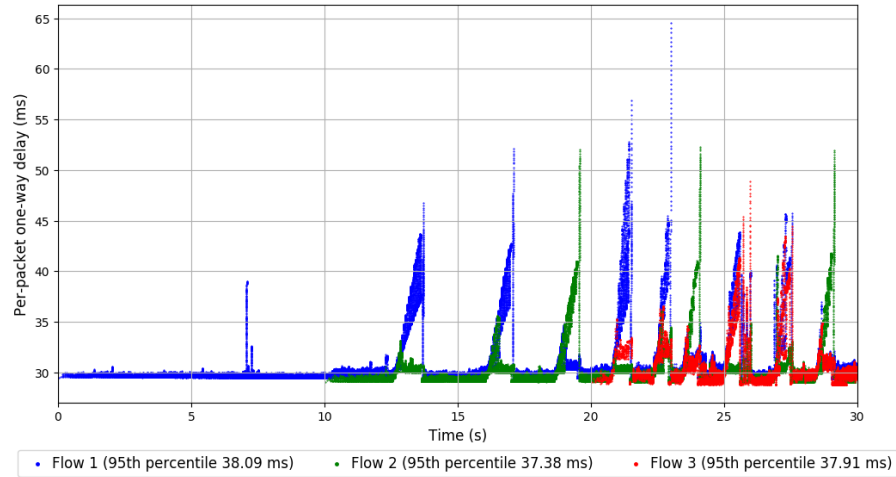
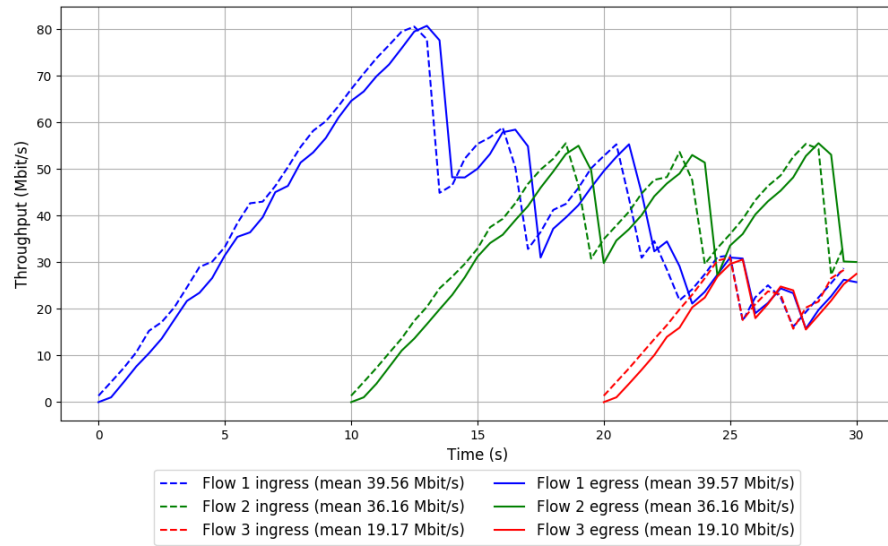


Run 8: Statistics of LEDBAT

Start at: 2018-06-30 18:19:30
End at: 2018-06-30 18:20:00
Local clock offset: 1.49 ms
Remote clock offset: -1.313 ms

Below is generated by plot.py at 2018-06-30 19:21:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.95 Mbit/s
95th percentile per-packet one-way delay: 37.679 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 38.089 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 37.383 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 19.10 Mbit/s
95th percentile per-packet one-way delay: 37.910 ms
Loss rate: 0.98%

Run 8: Report of LEDBAT — Data Link

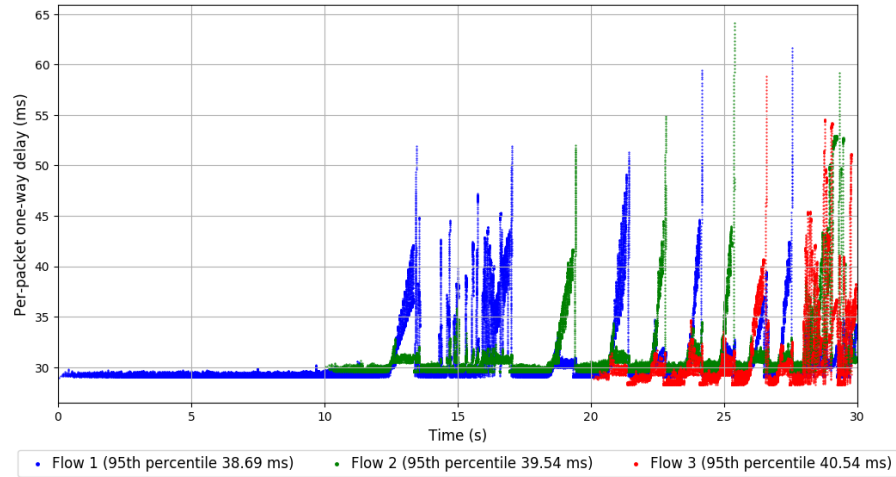
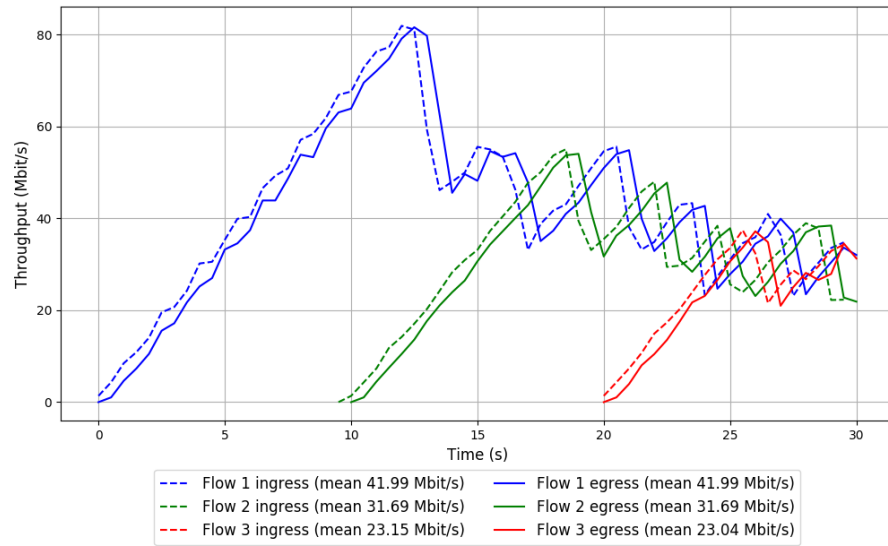


Run 9: Statistics of LEDBAT

Start at: 2018-06-30 18:42:22
End at: 2018-06-30 18:42:52
Local clock offset: 3.972 ms
Remote clock offset: -1.284 ms

Below is generated by plot.py at 2018-06-30 19:21:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 39.244 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 38.692 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 39.539 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 40.540 ms
Loss rate: 1.07%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-30 19:05:09

End at: 2018-06-30 19:05:39

Local clock offset: 0.262 ms

Remote clock offset: -1.59 ms

Below is generated by plot.py at 2018-06-30 19:21:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.36 Mbit/s

95th percentile per-packet one-way delay: 38.057 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 41.07 Mbit/s

95th percentile per-packet one-way delay: 38.221 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 30.14 Mbit/s

95th percentile per-packet one-way delay: 39.480 ms

Loss rate: 0.31%

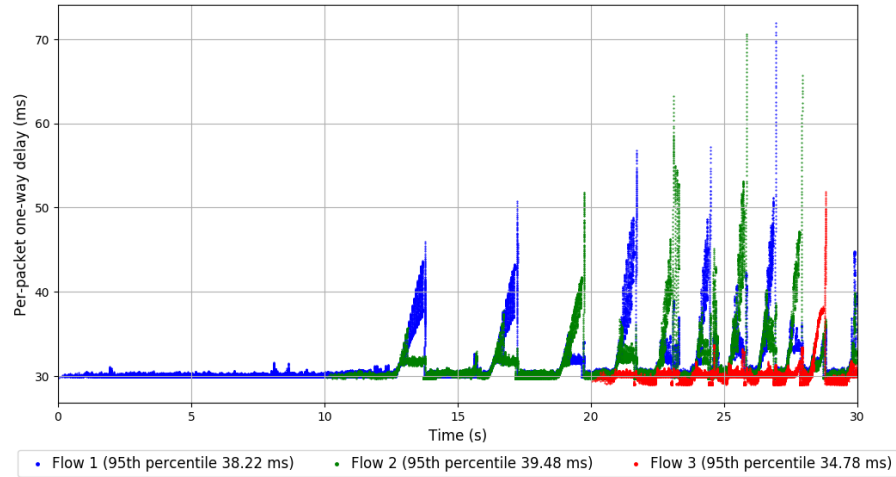
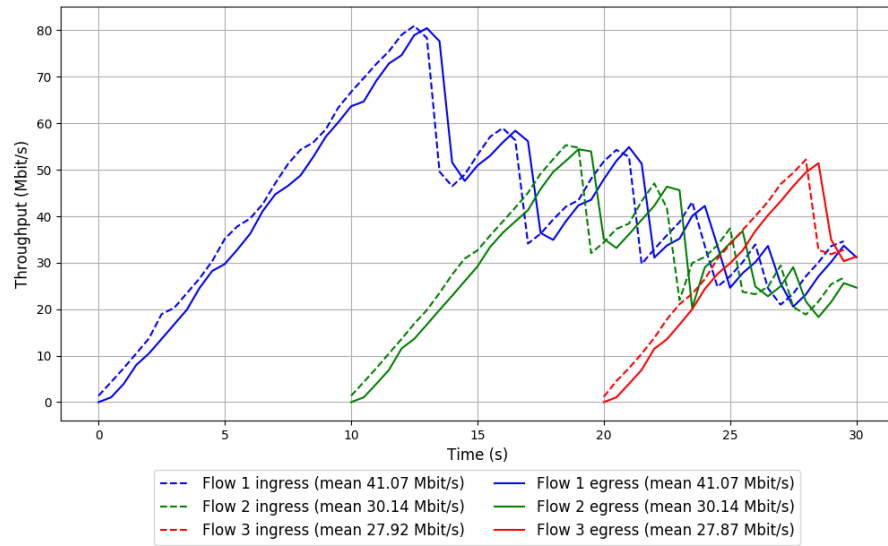
-- Flow 3:

Average throughput: 27.87 Mbit/s

95th percentile per-packet one-way delay: 34.777 ms

Loss rate: 0.78%

Run 10: Report of LEDBAT — Data Link

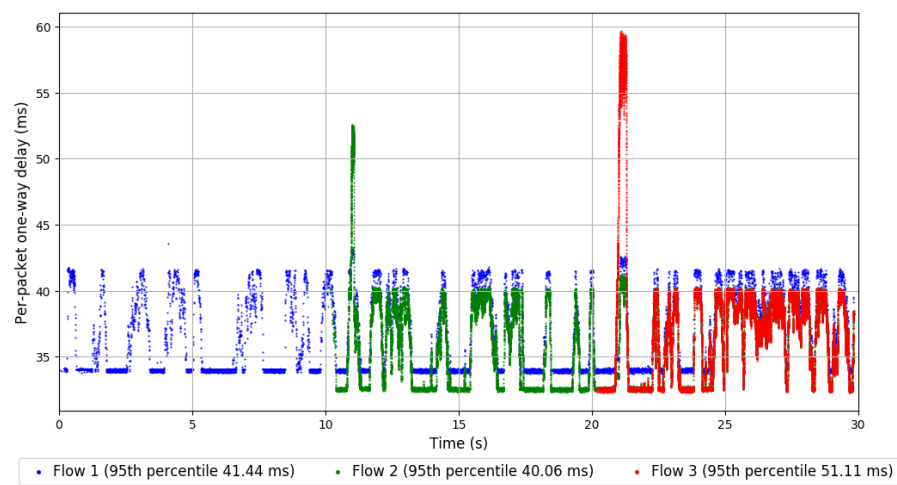
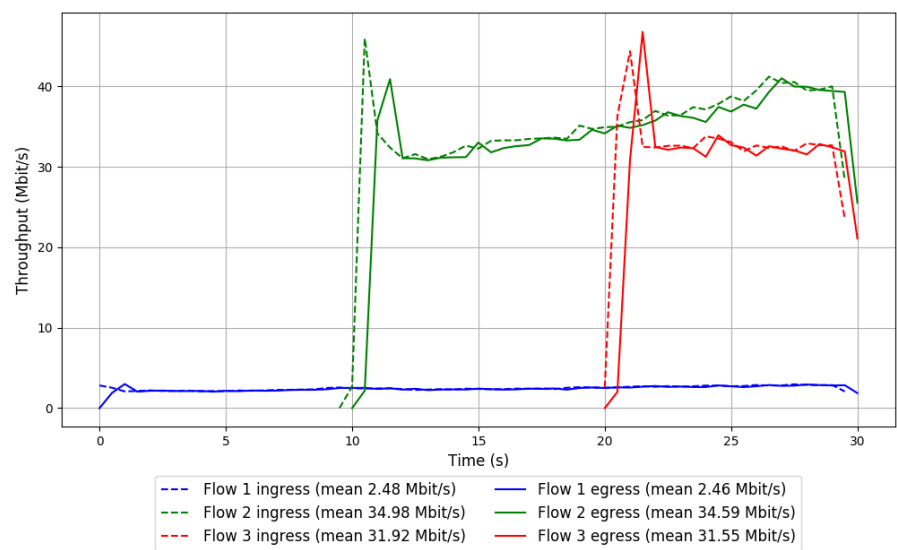


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 14:21:42
End at: 2018-06-30 14:22:12
Local clock offset: 1.91 ms
Remote clock offset: 2.858 ms

# Below is generated by plot.py at 2018-06-30 19:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 40.507 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 41.438 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 40.063 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 51.111 ms
Loss rate: 1.92%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 14:49:12

End at: 2018-06-30 14:49:42

Local clock offset: 3.029 ms

Remote clock offset: 3.425 ms

Below is generated by plot.py at 2018-06-30 19:21:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.11 Mbit/s

95th percentile per-packet one-way delay: 42.116 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 42.33 Mbit/s

95th percentile per-packet one-way delay: 43.221 ms

Loss rate: 1.74%

-- Flow 2:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 42.251 ms

Loss rate: 1.99%

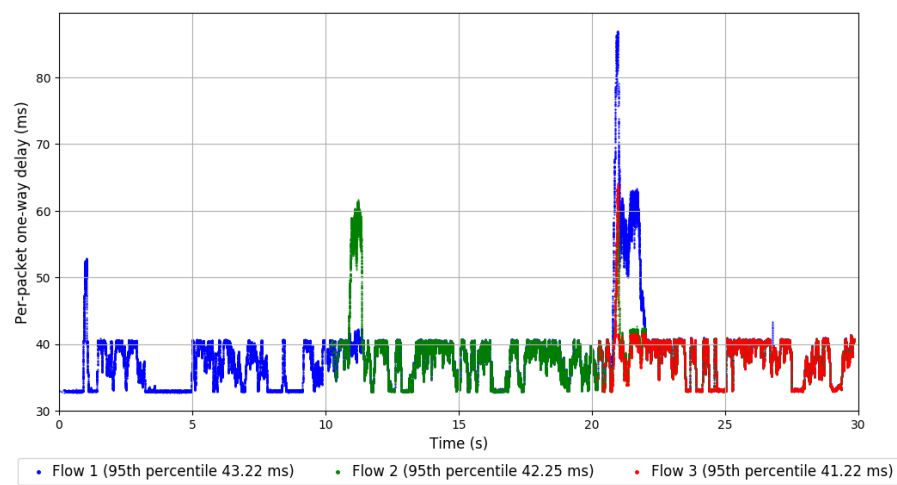
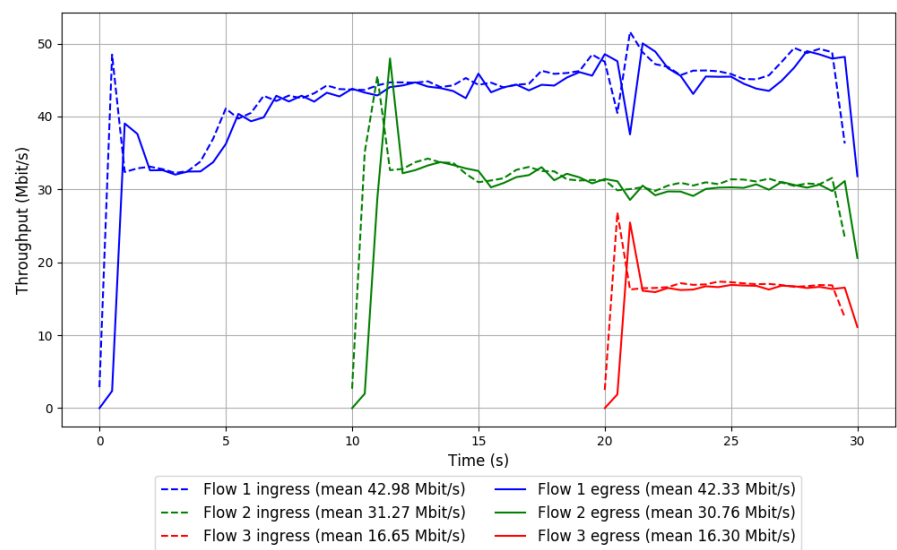
-- Flow 3:

Average throughput: 16.30 Mbit/s

95th percentile per-packet one-way delay: 41.224 ms

Loss rate: 2.86%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 15:17:10

End at: 2018-06-30 15:17:40

Local clock offset: 0.808 ms

Remote clock offset: 2.365 ms

Below is generated by plot.py at 2018-06-30 19:21:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 41.276 ms

Loss rate: 2.66%

-- Flow 1:

Average throughput: 35.97 Mbit/s

95th percentile per-packet one-way delay: 39.940 ms

Loss rate: 2.31%

-- Flow 2:

Average throughput: 15.75 Mbit/s

95th percentile per-packet one-way delay: 41.444 ms

Loss rate: 2.90%

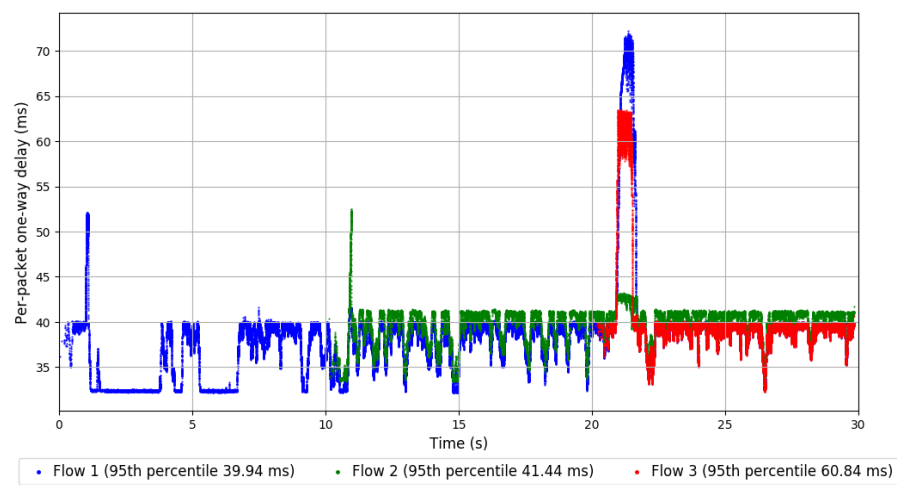
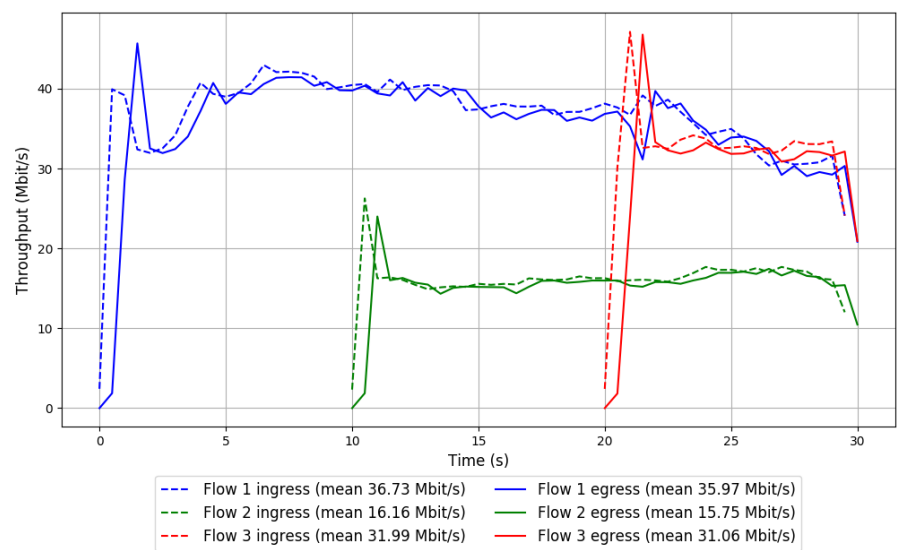
-- Flow 3:

Average throughput: 31.06 Mbit/s

95th percentile per-packet one-way delay: 60.839 ms

Loss rate: 3.65%

Run 3: Report of PCC-Allegro — Data Link

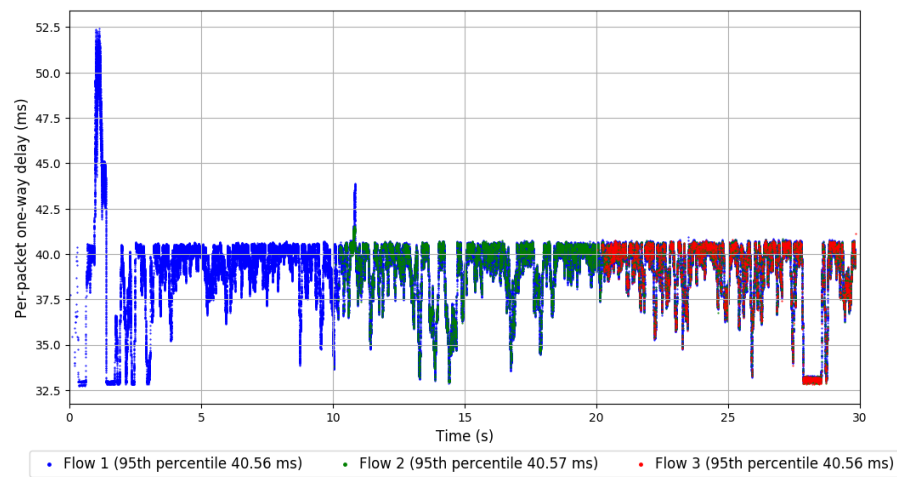
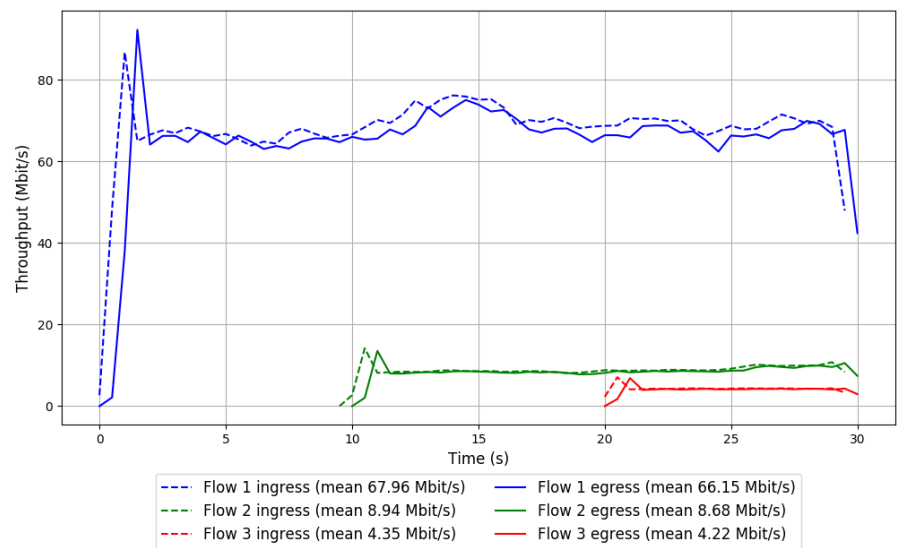


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 15:45:43
End at: 2018-06-30 15:46:13
Local clock offset: 4.537 ms
Remote clock offset: -2.745 ms

Below is generated by plot.py at 2018-06-30 19:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 40.561 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 66.15 Mbit/s
95th percentile per-packet one-way delay: 40.560 ms
Loss rate: 2.90%
-- Flow 2:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 40.570 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 40.561 ms
Loss rate: 3.70%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 16:13:41

End at: 2018-06-30 16:14:11

Local clock offset: 0.665 ms

Remote clock offset: 2.745 ms

Below is generated by plot.py at 2018-06-30 19:22:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.53 Mbit/s

95th percentile per-packet one-way delay: 69.998 ms

Loss rate: 3.91%

-- Flow 1:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 69.627 ms

Loss rate: 4.65%

-- Flow 2:

Average throughput: 32.42 Mbit/s

95th percentile per-packet one-way delay: 42.663 ms

Loss rate: 1.25%

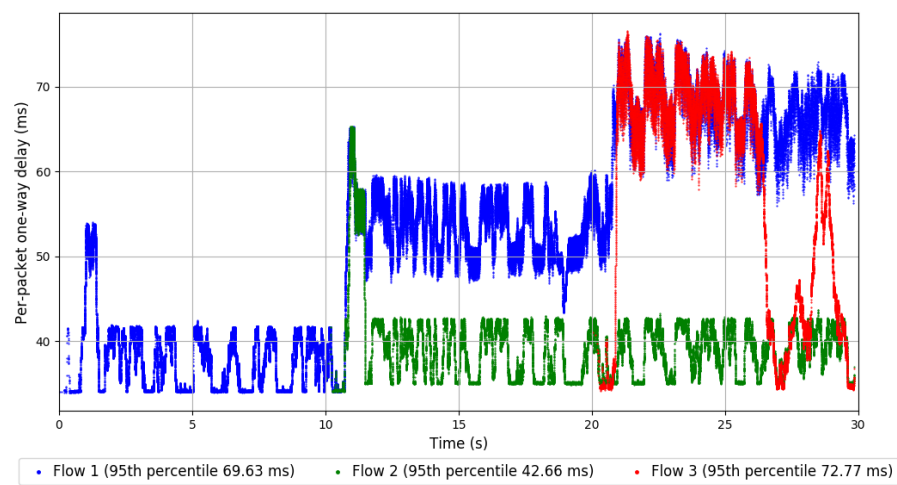
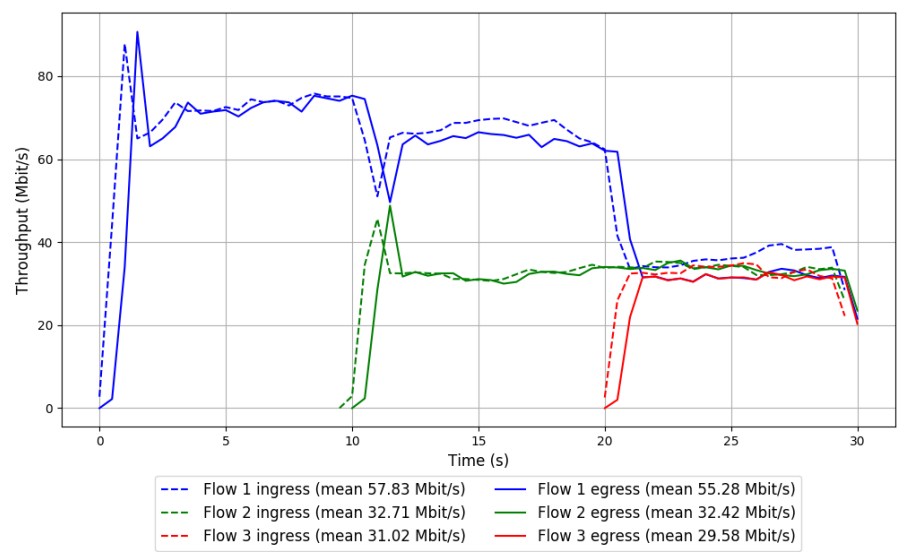
-- Flow 3:

Average throughput: 29.58 Mbit/s

95th percentile per-packet one-way delay: 72.769 ms

Loss rate: 5.38%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-30 16:41:03

End at: 2018-06-30 16:41:33

Local clock offset: 0.57 ms

Remote clock offset: 3.878 ms

Below is generated by plot.py at 2018-06-30 19:22:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.64 Mbit/s

95th percentile per-packet one-way delay: 41.707 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 40.62 Mbit/s

95th percentile per-packet one-way delay: 41.679 ms

Loss rate: 1.66%

-- Flow 2:

Average throughput: 8.20 Mbit/s

95th percentile per-packet one-way delay: 40.300 ms

Loss rate: 1.73%

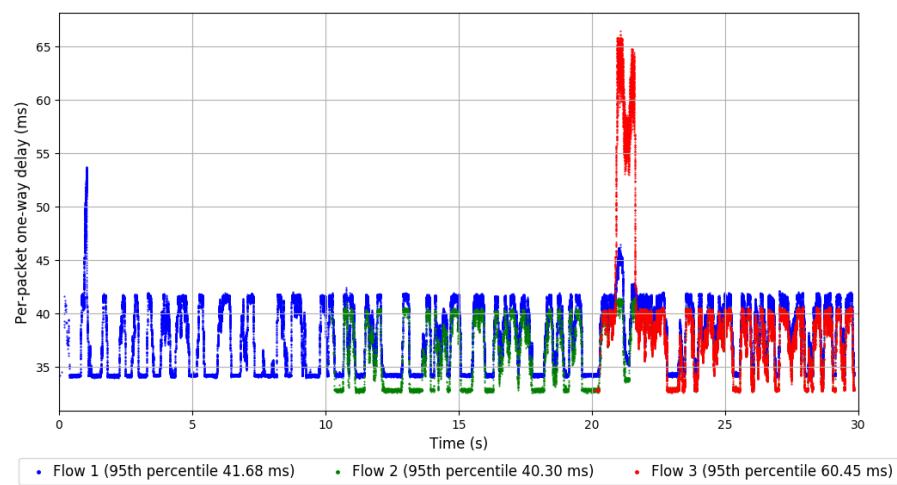
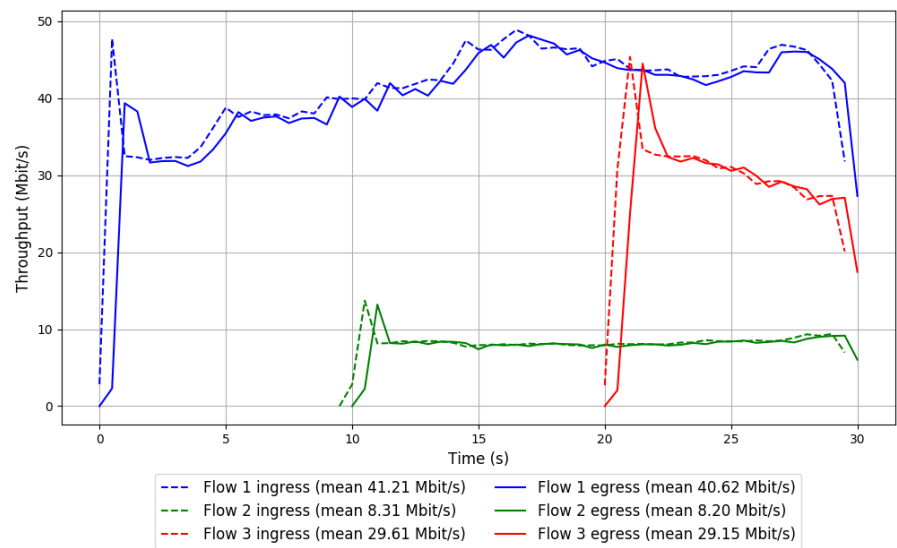
-- Flow 3:

Average throughput: 29.15 Mbit/s

95th percentile per-packet one-way delay: 60.453 ms

Loss rate: 2.25%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-30 17:37:31

End at: 2018-06-30 17:38:01

Local clock offset: 0.503 ms

Remote clock offset: 2.01 ms

Below is generated by plot.py at 2018-06-30 19:22:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 154.080 ms

Loss rate: 21.97%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 150.962 ms

Loss rate: 17.91%

-- Flow 2:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 157.950 ms

Loss rate: 23.12%

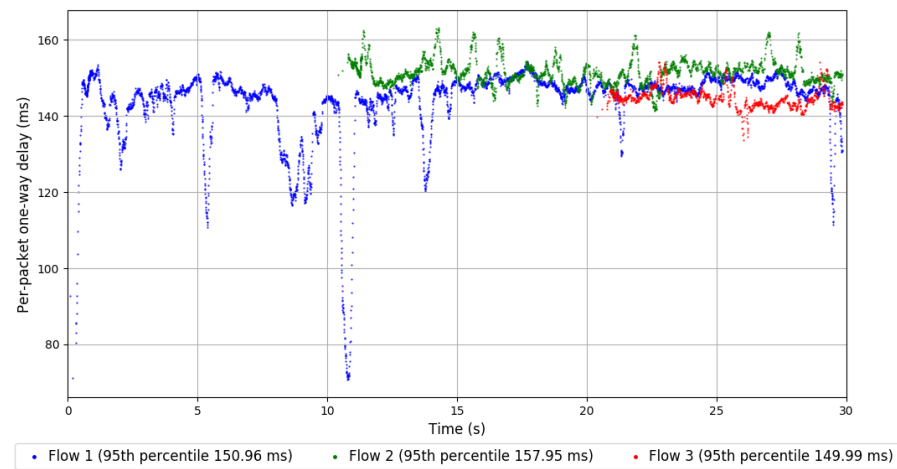
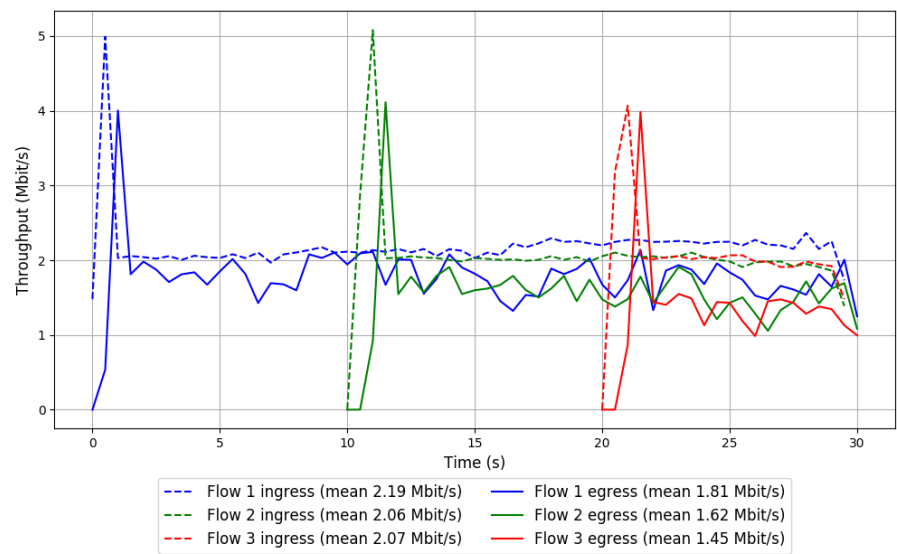
-- Flow 3:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 149.994 ms

Loss rate: 32.71%

Run 7: Report of PCC-Allegro — Data Link

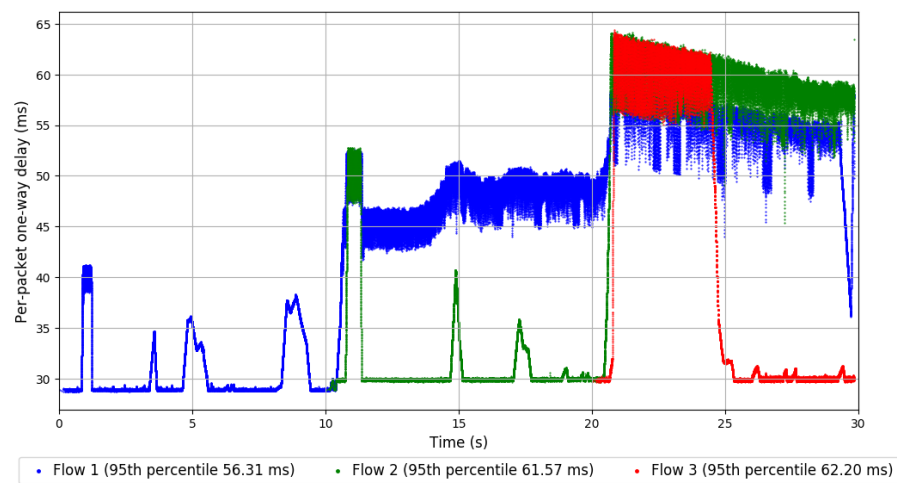
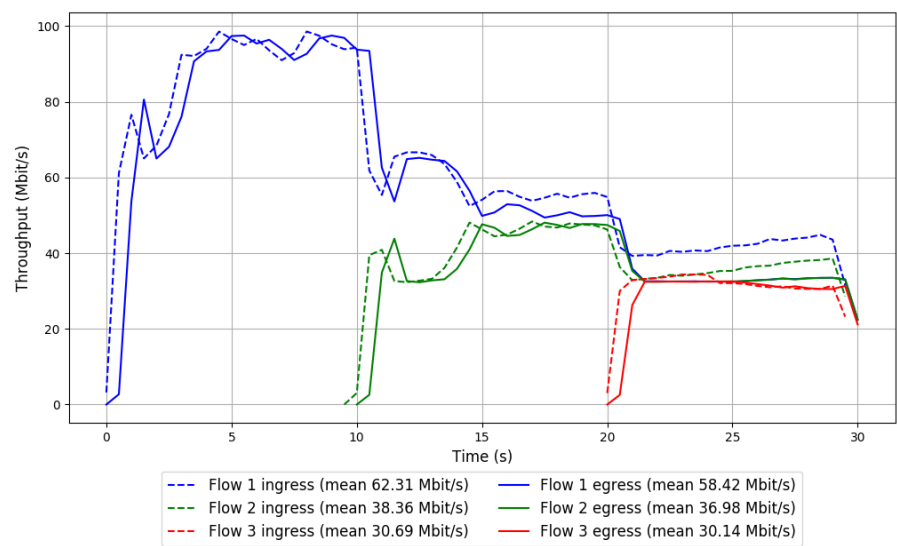


Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 18:14:04
End at: 2018-06-30 18:14:34
Local clock offset: 0.349 ms
Remote clock offset: -0.768 ms

Below is generated by plot.py at 2018-06-30 19:22:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 60.336 ms
Loss rate: 5.34%
-- Flow 1:
Average throughput: 58.42 Mbit/s
95th percentile per-packet one-way delay: 56.314 ms
Loss rate: 6.42%
-- Flow 2:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 61.567 ms
Loss rate: 3.90%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 62.199 ms
Loss rate: 2.40%

Run 8: Report of PCC-Allegro — Data Link

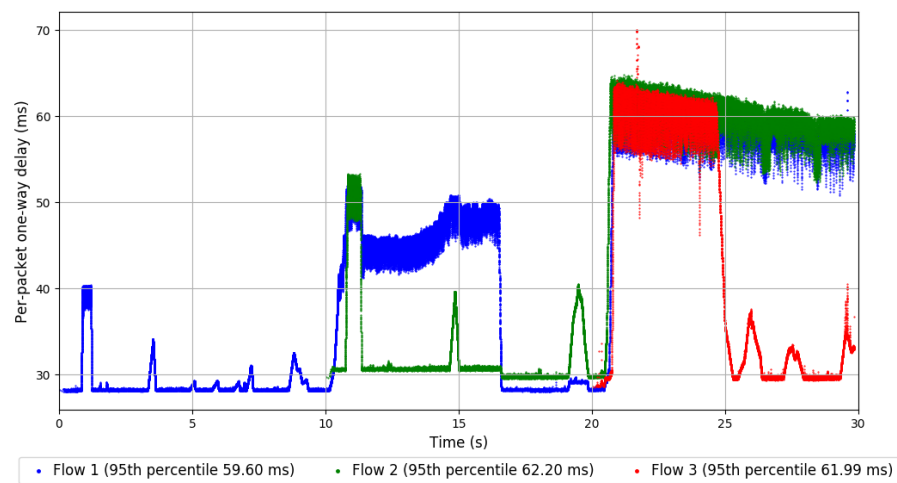
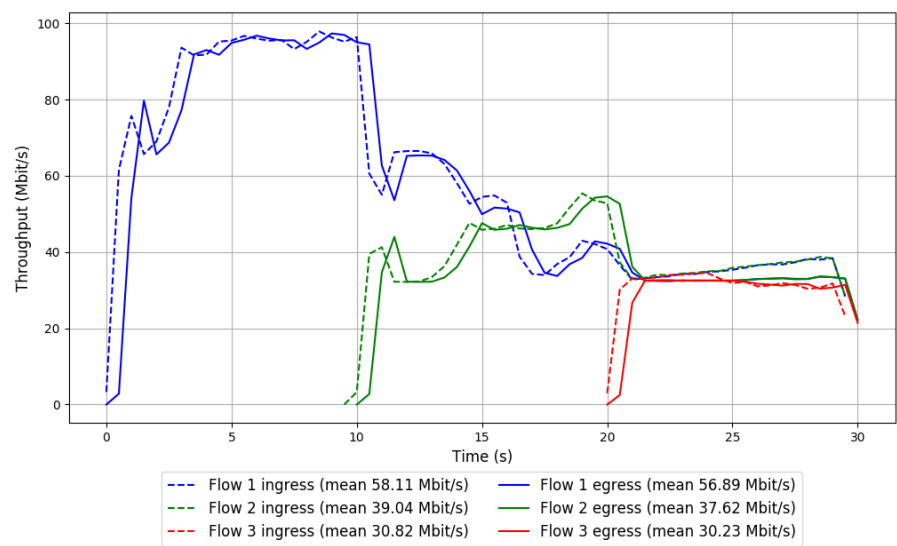


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 18:36:56
End at: 2018-06-30 18:37:26
Local clock offset: 3.564 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2018-06-30 19:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 61.163 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 59.600 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 62.198 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 61.990 ms
Loss rate: 2.48%

Run 9: Report of PCC-Allegro — Data Link

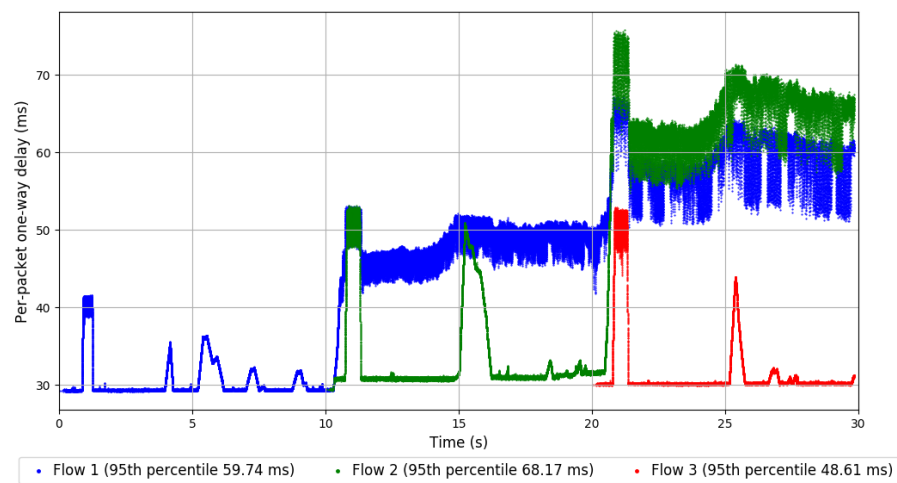
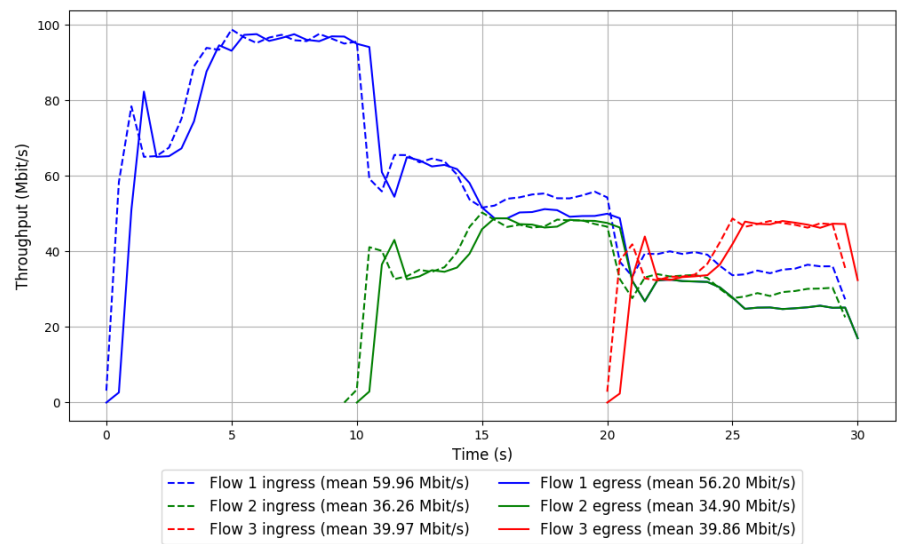


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 18:59:44
End at: 2018-06-30 19:00:14
Local clock offset: 0.651 ms
Remote clock offset: -1.202 ms

Below is generated by plot.py at 2018-06-30 19:22:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 63.861 ms
Loss rate: 5.13%
-- Flow 1:
Average throughput: 56.20 Mbit/s
95th percentile per-packet one-way delay: 59.742 ms
Loss rate: 6.49%
-- Flow 2:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 68.173 ms
Loss rate: 4.09%
-- Flow 3:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 48.612 ms
Loss rate: 0.90%

Run 10: Report of PCC-Allegro — Data Link

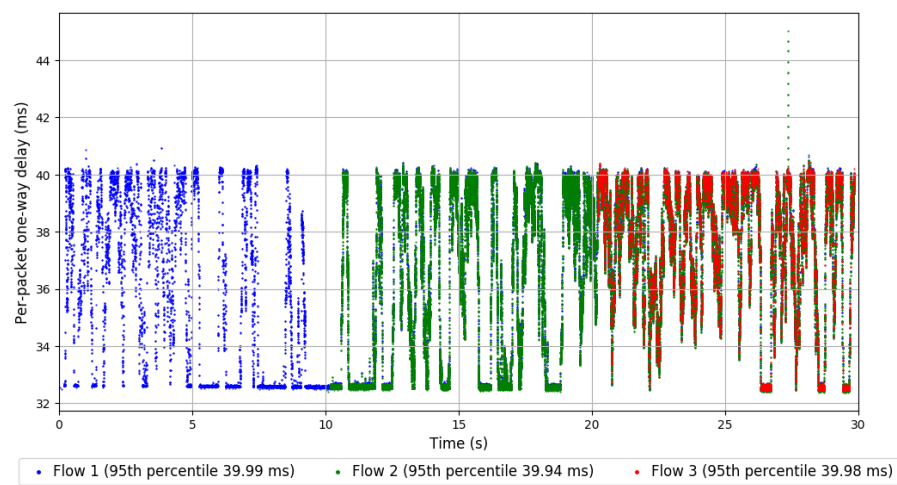
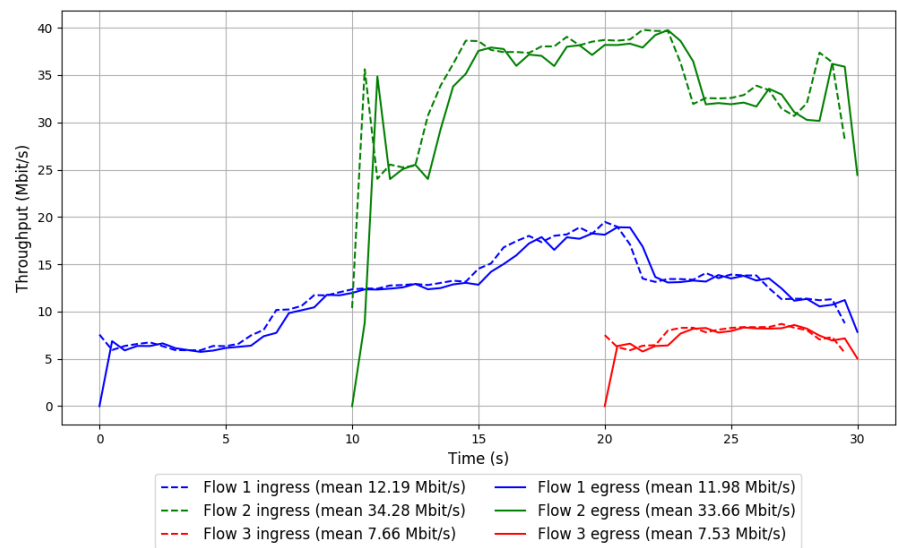


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 14:12:34
End at: 2018-06-30 14:13:04
Local clock offset: -0.134 ms
Remote clock offset: 4.414 ms

# Below is generated by plot.py at 2018-06-30 19:22:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 39.958 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 39.992 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 39.940 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 39.976 ms
Loss rate: 2.40%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 14:39:52

End at: 2018-06-30 14:40:22

Local clock offset: 4.008 ms

Remote clock offset: 3.466 ms

Below is generated by plot.py at 2018-06-30 19:23:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.18 Mbit/s

95th percentile per-packet one-way delay: 41.574 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 41.574 ms

Loss rate: 1.57%

-- Flow 2:

Average throughput: 13.94 Mbit/s

95th percentile per-packet one-way delay: 40.216 ms

Loss rate: 1.97%

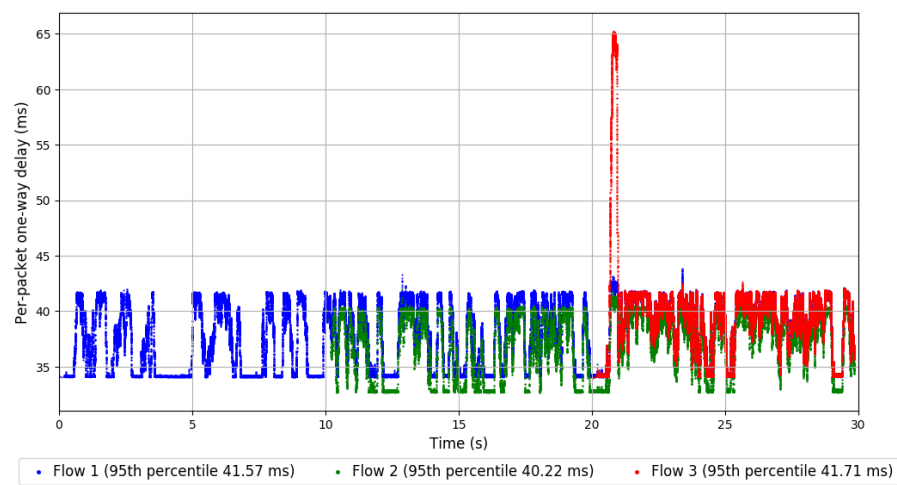
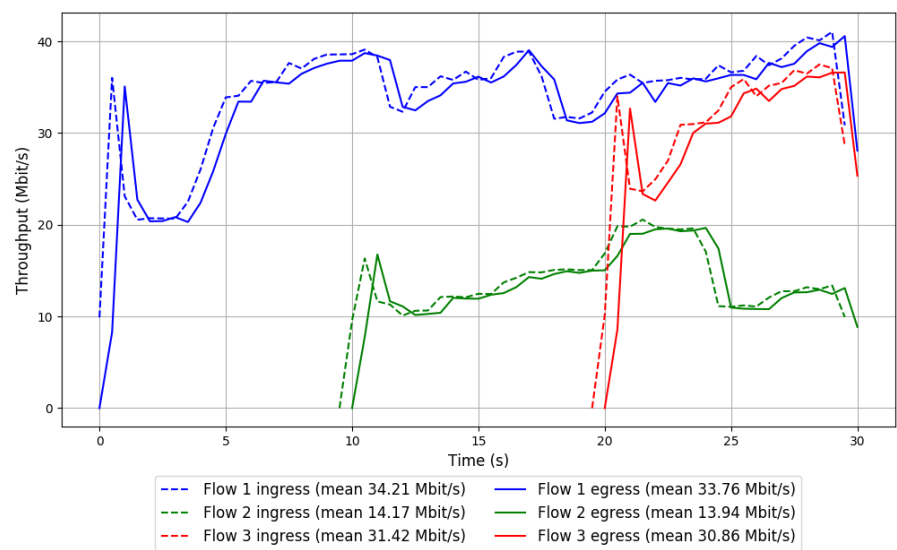
-- Flow 3:

Average throughput: 30.86 Mbit/s

95th percentile per-packet one-way delay: 41.712 ms

Loss rate: 2.50%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 15:07:32

End at: 2018-06-30 15:08:02

Local clock offset: 0.577 ms

Remote clock offset: 2.784 ms

Below is generated by plot.py at 2018-06-30 19:23:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.29 Mbit/s

95th percentile per-packet one-way delay: 57.020 ms

Loss rate: 2.18%

-- Flow 1:

Average throughput: 23.17 Mbit/s

95th percentile per-packet one-way delay: 59.088 ms

Loss rate: 2.19%

-- Flow 2:

Average throughput: 26.51 Mbit/s

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

Loss rate: 2.04%

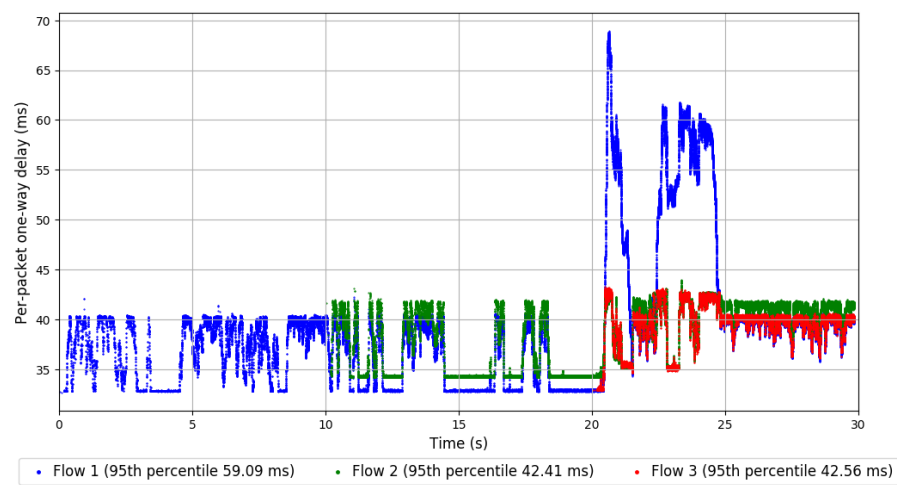
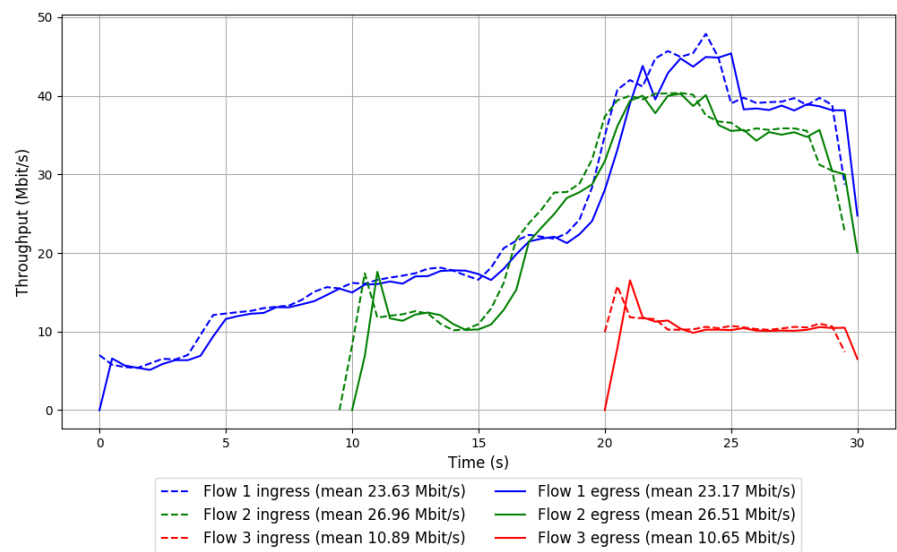
-- Flow 3:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 42.560 ms

Loss rate: 2.82%

Run 3: Report of PCC-Expr — Data Link

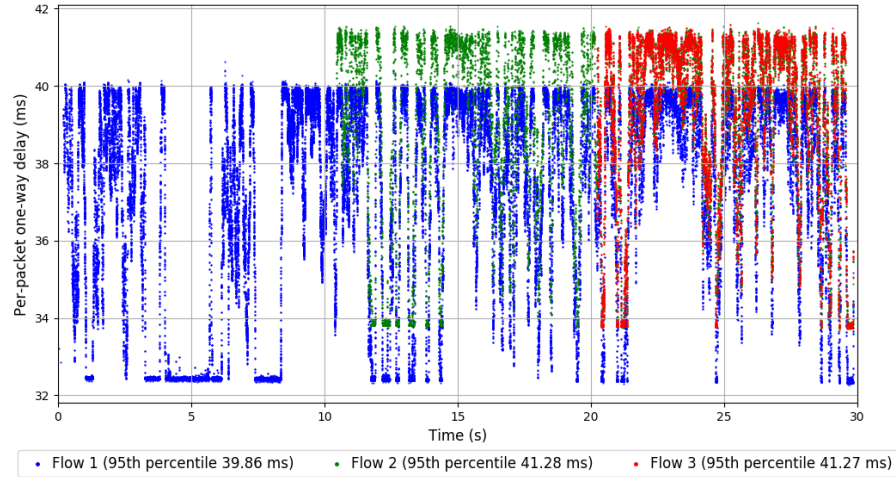
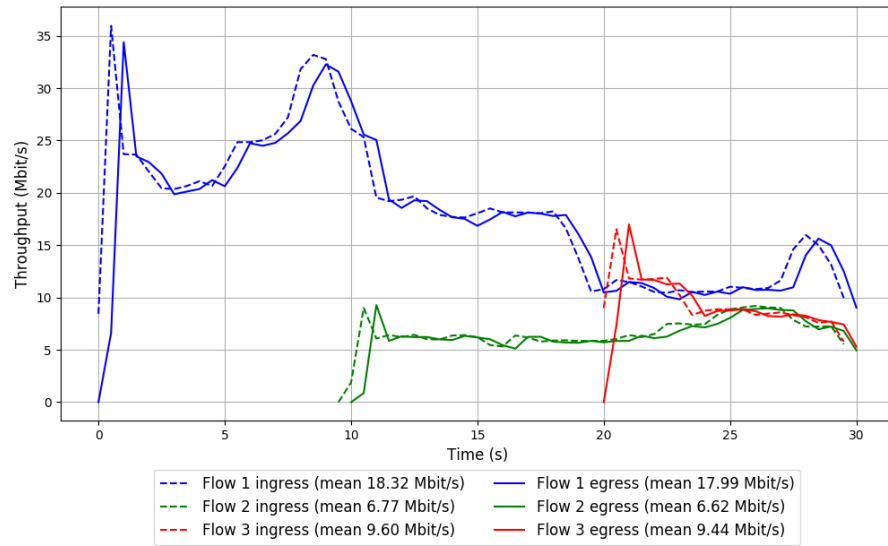


Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 15:36:27
End at: 2018-06-30 15:36:57
Local clock offset: 4.108 ms
Remote clock offset: -1.103 ms

Below is generated by plot.py at 2018-06-30 19:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 41.116 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 17.99 Mbit/s
95th percentile per-packet one-way delay: 39.862 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 41.284 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 41.270 ms
Loss rate: 2.38%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-30 16:03:45

End at: 2018-06-30 16:04:15

Local clock offset: 1.23 ms

Remote clock offset: 0.887 ms

Below is generated by plot.py at 2018-06-30 19:23:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.67 Mbit/s

95th percentile per-packet one-way delay: 40.405 ms

Loss rate: 1.59%

-- Flow 1:

Average throughput: 26.28 Mbit/s

95th percentile per-packet one-way delay: 40.382 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 22.43 Mbit/s

95th percentile per-packet one-way delay: 40.441 ms

Loss rate: 1.92%

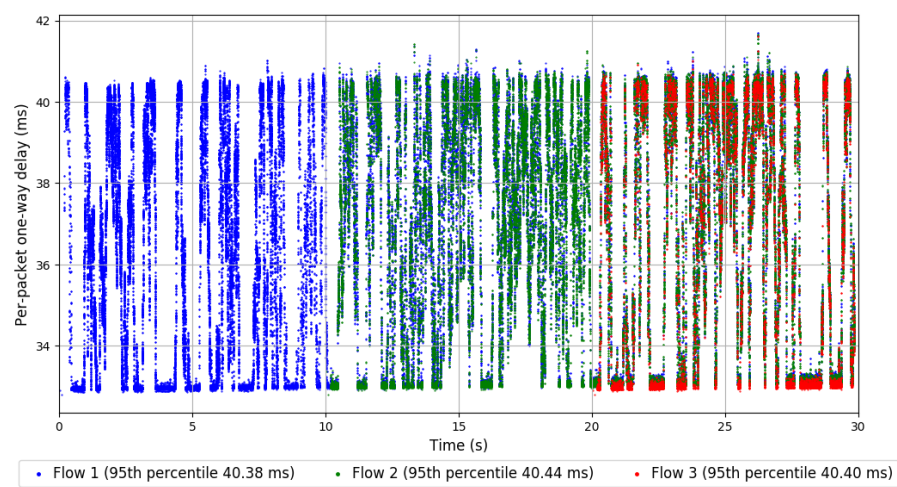
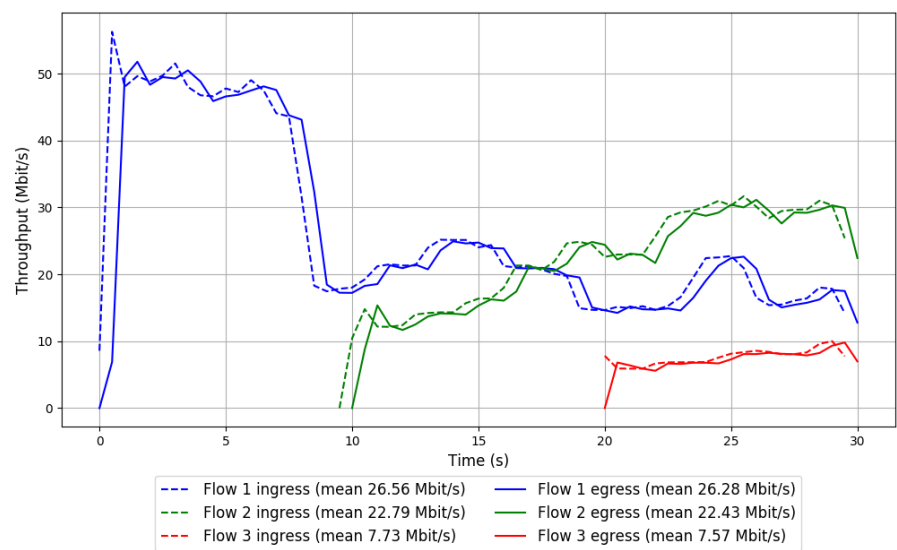
-- Flow 3:

Average throughput: 7.57 Mbit/s

95th percentile per-packet one-way delay: 40.400 ms

Loss rate: 2.73%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-30 16:31:48

End at: 2018-06-30 16:32:18

Local clock offset: 0.726 ms

Remote clock offset: 3.68 ms

Below is generated by plot.py at 2018-06-30 19:23:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.64 Mbit/s

95th percentile per-packet one-way delay: 44.855 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 43.64 Mbit/s

95th percentile per-packet one-way delay: 50.173 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 15.75 Mbit/s

95th percentile per-packet one-way delay: 40.289 ms

Loss rate: 1.44%

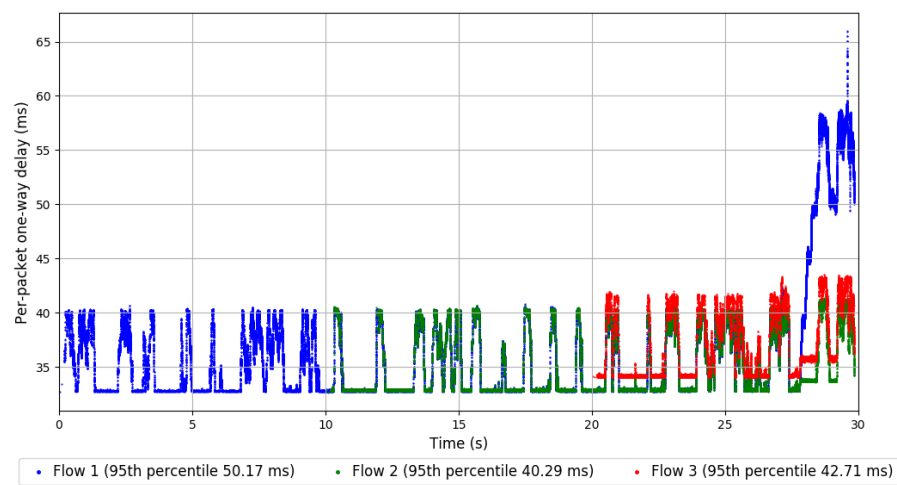
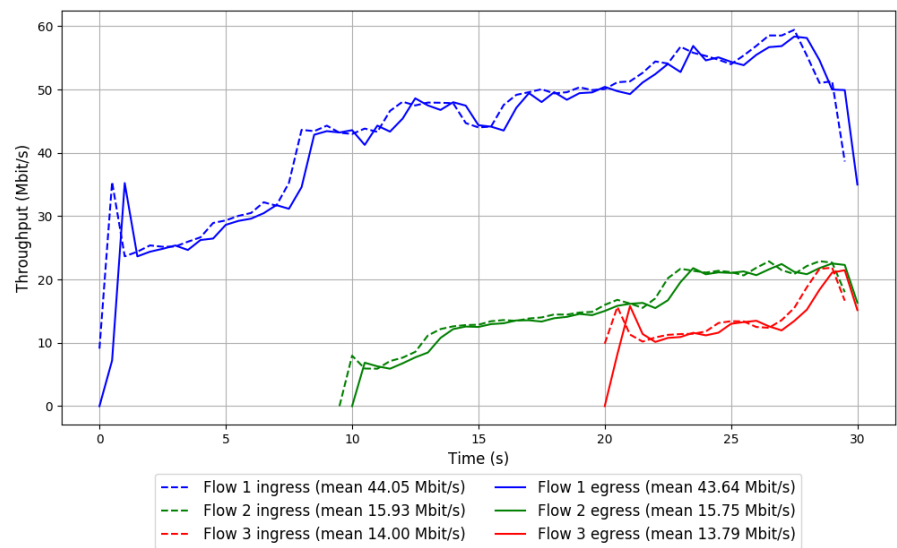
-- Flow 3:

Average throughput: 13.79 Mbit/s

95th percentile per-packet one-way delay: 42.713 ms

Loss rate: 2.13%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-30 17:21:13

End at: 2018-06-30 17:21:43

Local clock offset: 0.58 ms

Remote clock offset: 2.262 ms

Below is generated by plot.py at 2018-06-30 19:23:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: 157.313 ms

Loss rate: 29.43%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 156.688 ms

Loss rate: 34.37%

-- Flow 2:

Average throughput: 2.97 Mbit/s

95th percentile per-packet one-way delay: 158.900 ms

Loss rate: 27.72%

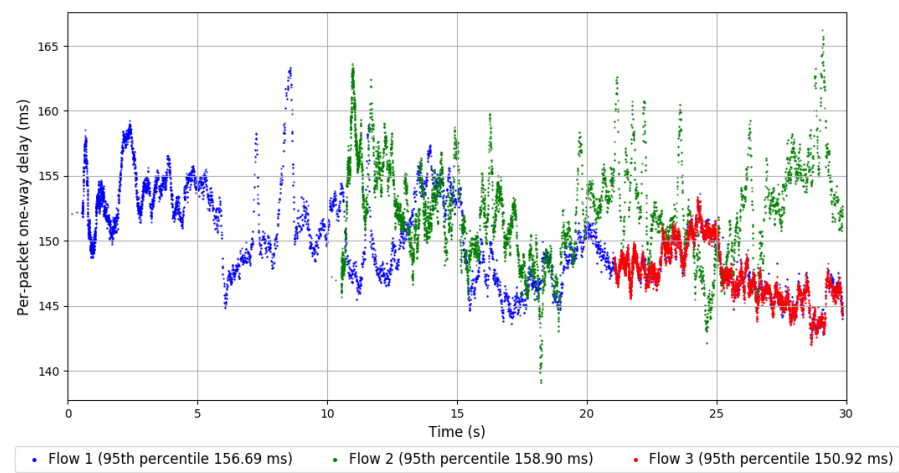
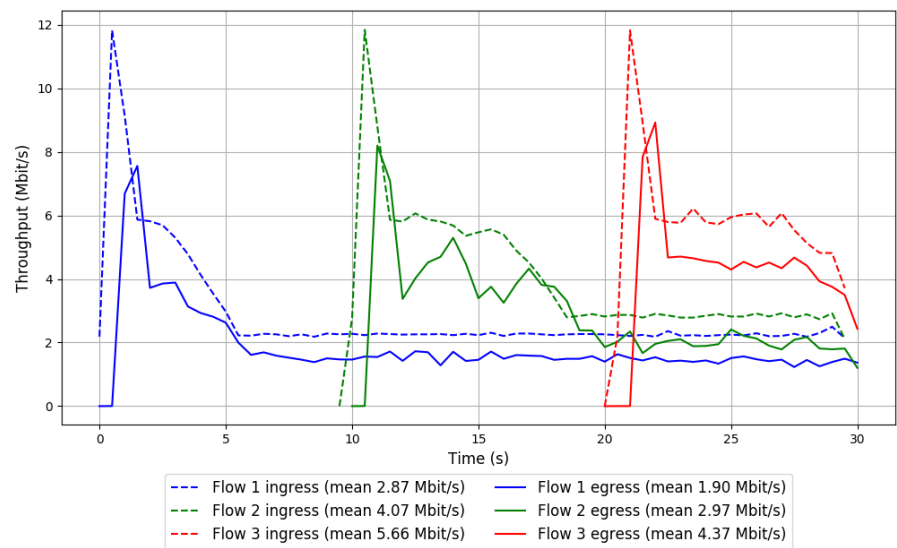
-- Flow 3:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 150.923 ms

Loss rate: 24.34%

Run 7: Report of PCC-Expr — Data Link

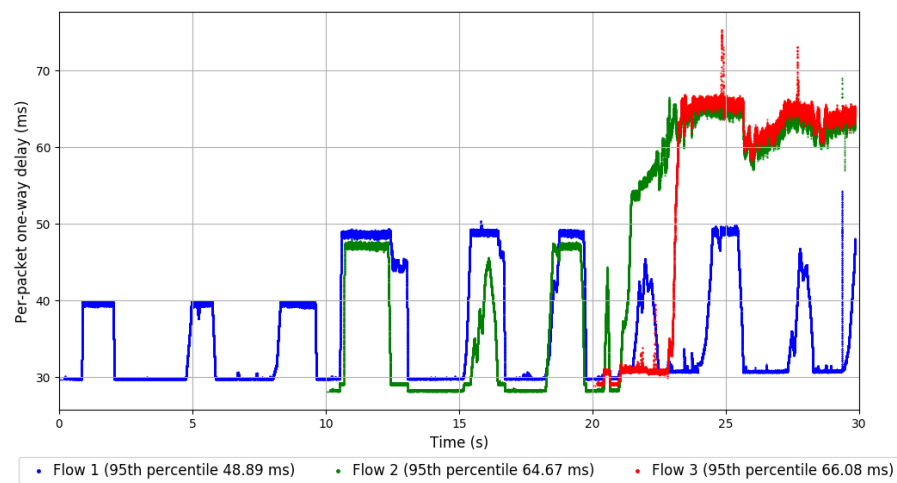
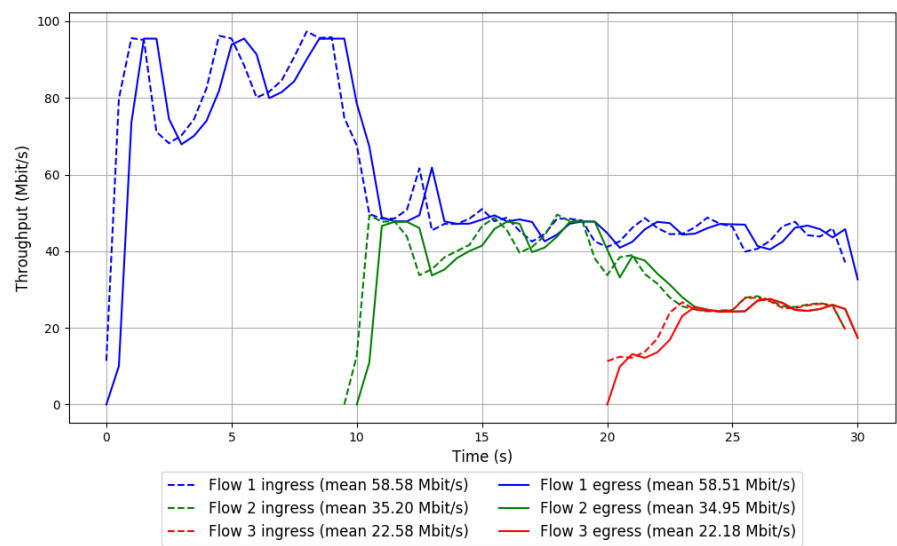


Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 18:05:57
End at: 2018-06-30 18:06:28
Local clock offset: 0.354 ms
Remote clock offset: -1.177 ms

Below is generated by plot.py at 2018-06-30 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 64.283 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 48.886 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 64.671 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 66.081 ms
Loss rate: 2.39%

Run 8: Report of PCC-Expr — Data Link

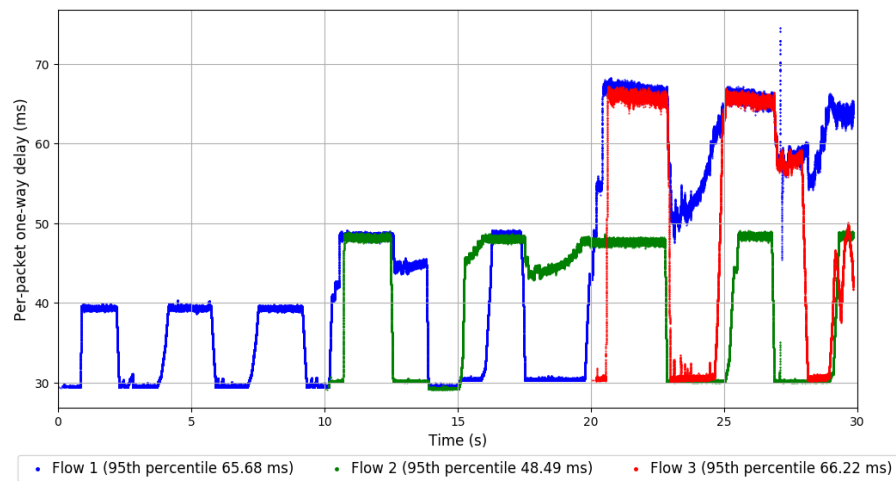
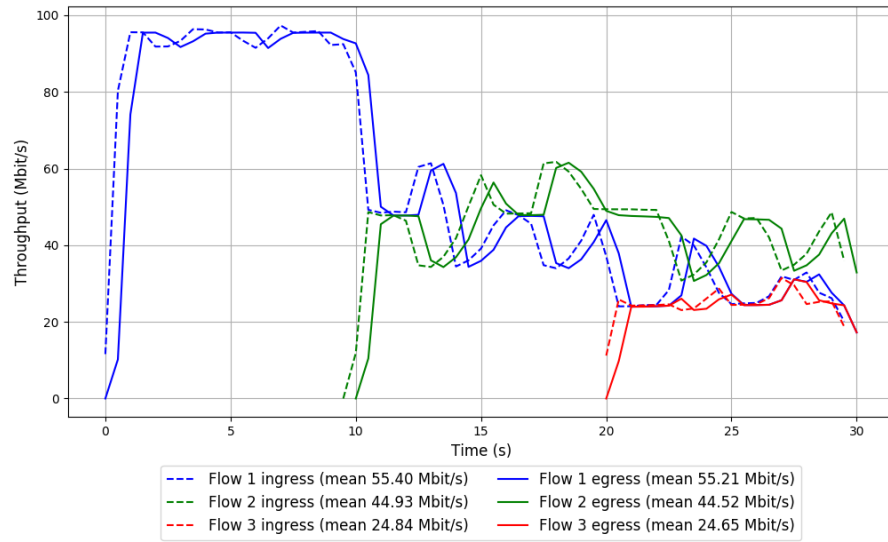


Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 18:28:50
End at: 2018-06-30 18:29:20
Local clock offset: 2.98 ms
Remote clock offset: -1.159 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 65.636 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 65.680 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 48.492 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 66.223 ms
Loss rate: 1.37%

Run 9: Report of PCC-Expr — Data Link

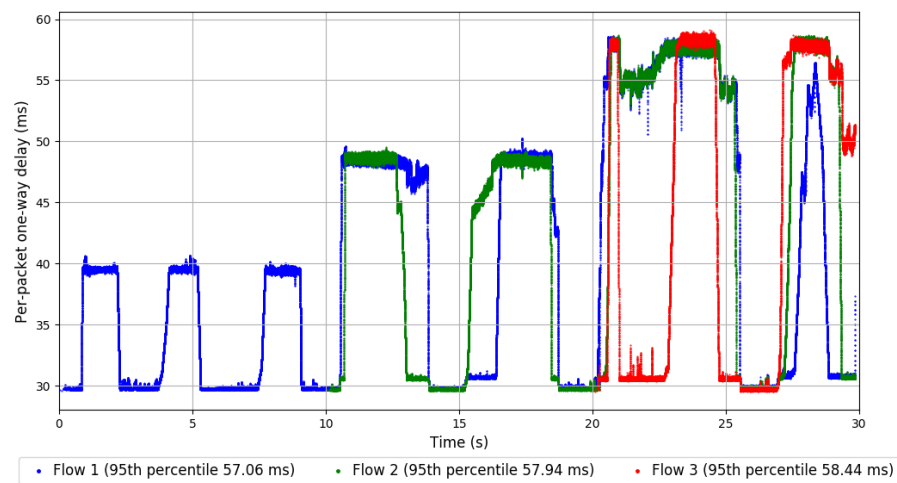
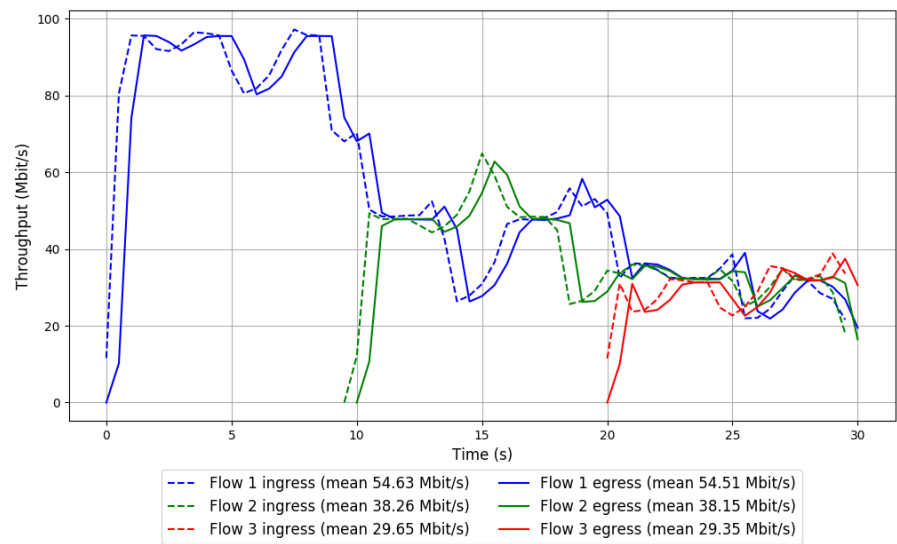


Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 18:51:40
End at: 2018-06-30 18:52:10
Local clock offset: 2.071 ms
Remote clock offset: -1.338 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 57.907 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 57.061 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 57.941 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 58.435 ms
Loss rate: 1.66%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 14:29:59

End at: 2018-06-30 14:30:29

Local clock offset: 3.163 ms

Remote clock offset: 2.814 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.69 Mbit/s

95th percentile per-packet one-way delay: 41.697 ms

Loss rate: 2.30%

-- Flow 1:

Average throughput: 6.50 Mbit/s

95th percentile per-packet one-way delay: 40.136 ms

Loss rate: 2.04%

-- Flow 2:

Average throughput: 8.59 Mbit/s

95th percentile per-packet one-way delay: 40.302 ms

Loss rate: 1.84%

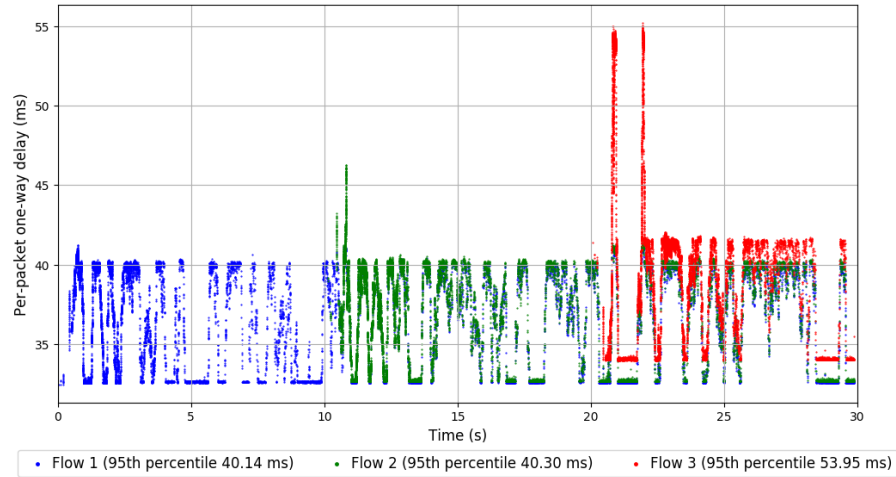
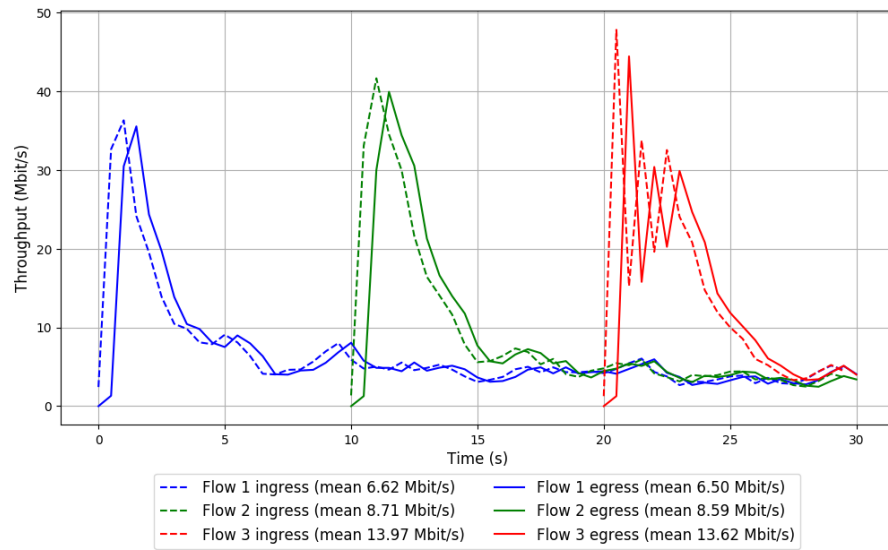
-- Flow 3:

Average throughput: 13.62 Mbit/s

95th percentile per-packet one-way delay: 53.951 ms

Loss rate: 3.23%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-30 14:57:45

End at: 2018-06-30 14:58:15

Local clock offset: 1.377 ms

Remote clock offset: 2.771 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.87 Mbit/s

95th percentile per-packet one-way delay: 41.472 ms

Loss rate: 2.15%

-- Flow 1:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 40.481 ms

Loss rate: 1.78%

-- Flow 2:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 41.866 ms

Loss rate: 2.41%

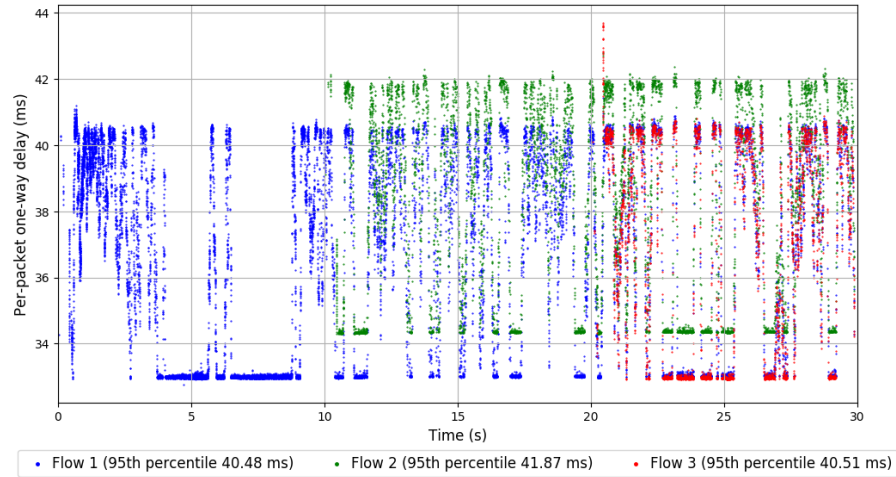
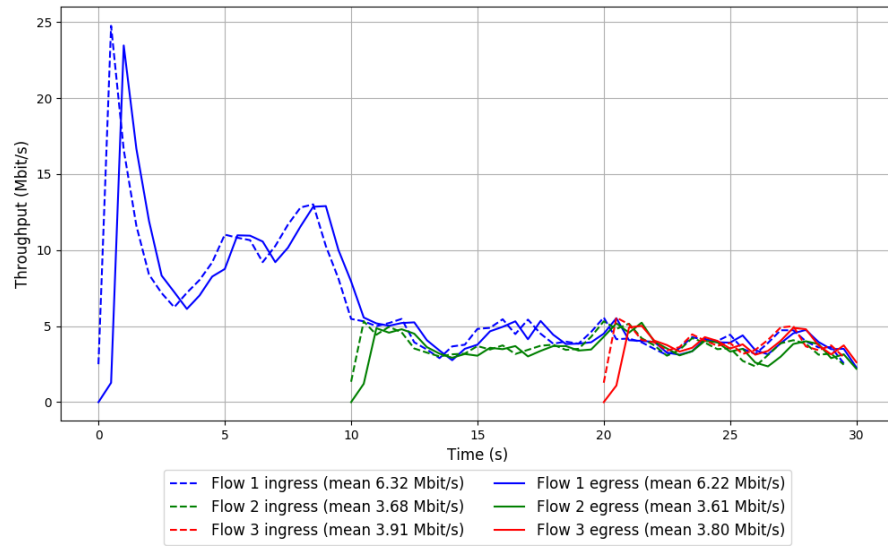
-- Flow 3:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 40.511 ms

Loss rate: 3.47%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 15:26:21

End at: 2018-06-30 15:26:51

Local clock offset: 3.156 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 40.610 ms

Loss rate: 2.65%

-- Flow 1:

Average throughput: 4.32 Mbit/s

95th percentile per-packet one-way delay: 40.602 ms

Loss rate: 2.32%

-- Flow 2:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 40.660 ms

Loss rate: 2.80%

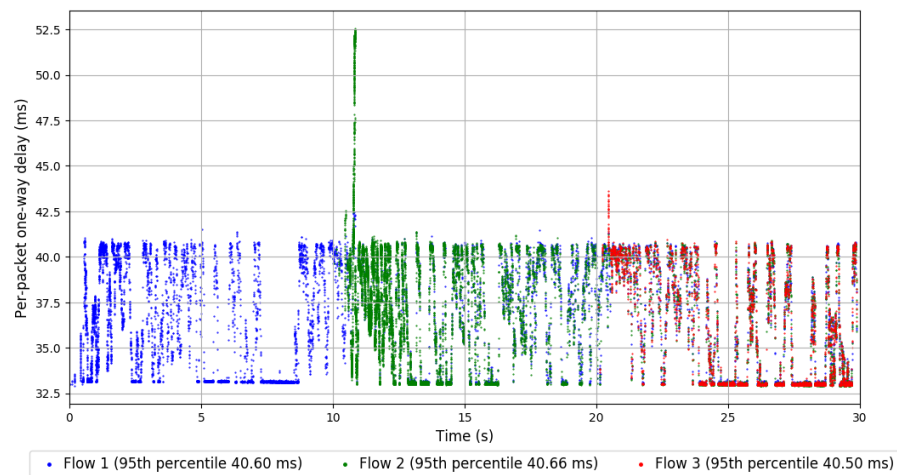
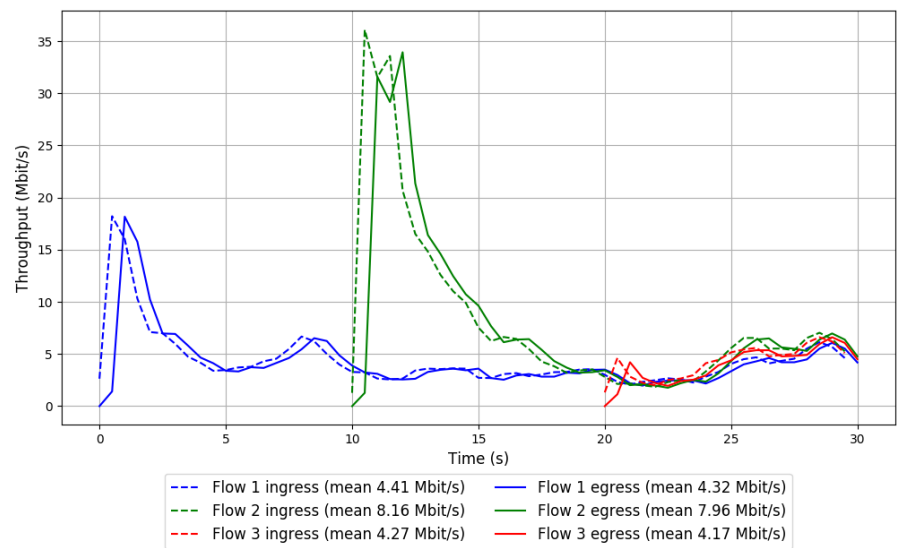
-- Flow 3:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 40.496 ms

Loss rate: 3.08%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 15:54:38

End at: 2018-06-30 15:55:08

Local clock offset: 2.181 ms

Remote clock offset: -4.63 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.47 Mbit/s

95th percentile per-packet one-way delay: 42.541 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 5.37 Mbit/s

95th percentile per-packet one-way delay: 42.745 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 41.439 ms

Loss rate: 1.43%

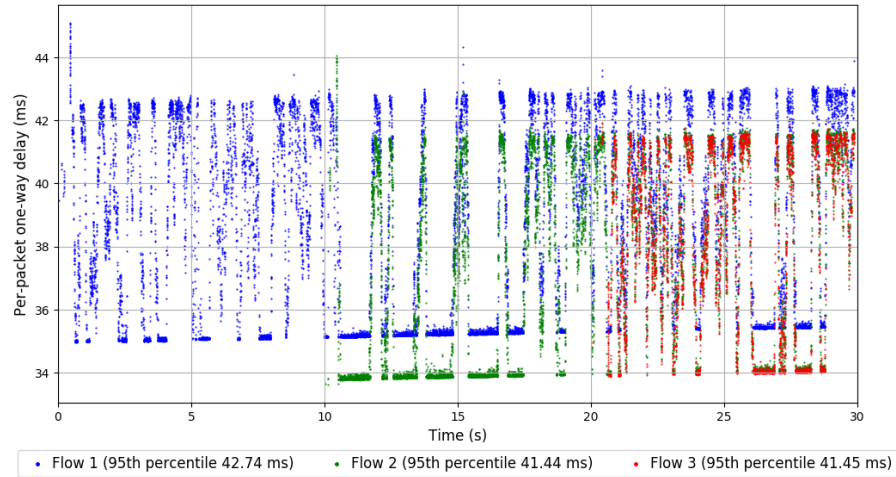
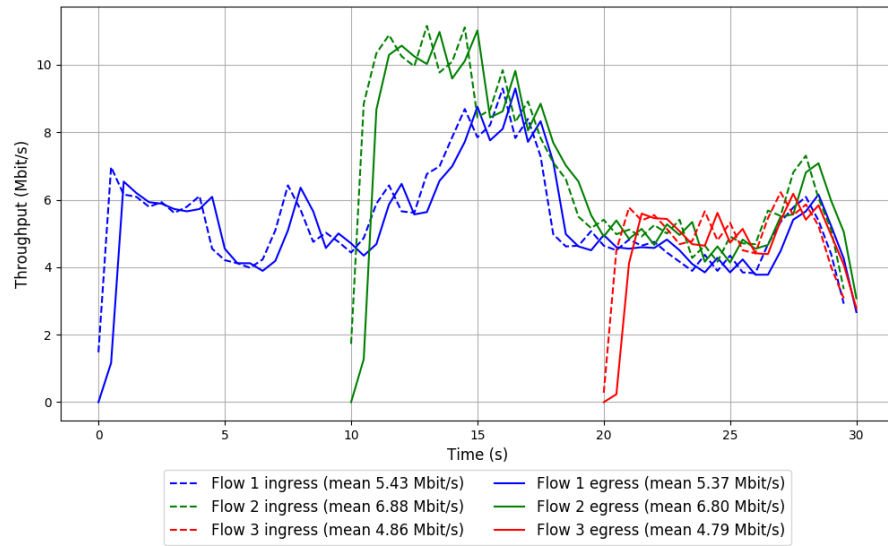
-- Flow 3:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 41.448 ms

Loss rate: 2.12%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-30 16:22:43

End at: 2018-06-30 16:23:13

Local clock offset: 0.772 ms

Remote clock offset: 3.342 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.05 Mbit/s

95th percentile per-packet one-way delay: 40.776 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 41.021 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 39.619 ms

Loss rate: 1.21%

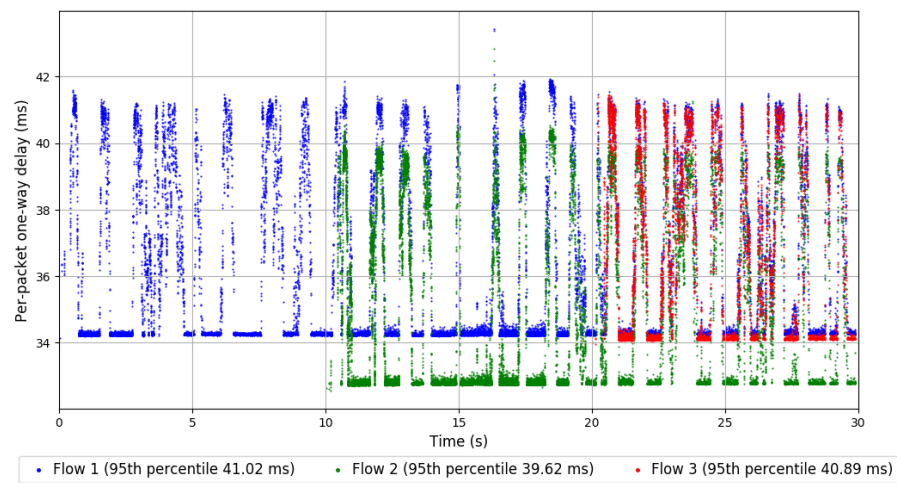
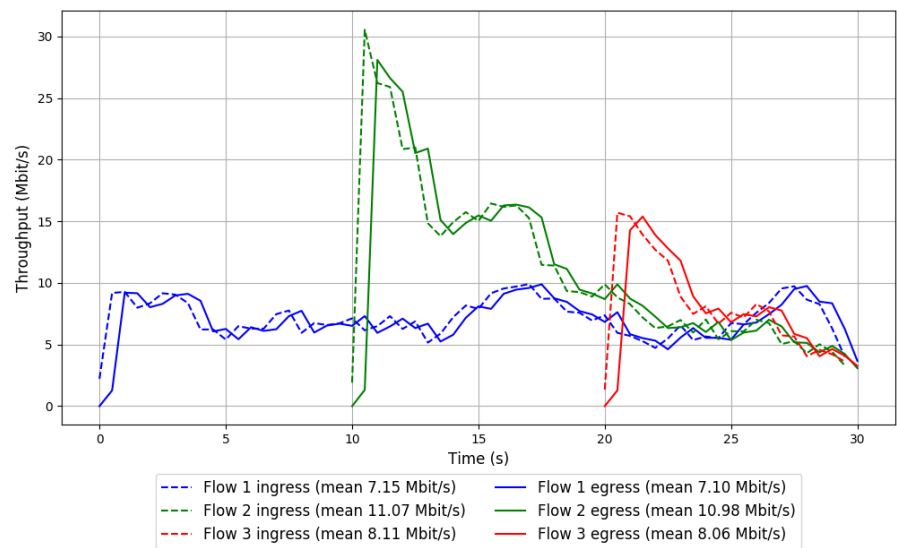
-- Flow 3:

Average throughput: 8.06 Mbit/s

95th percentile per-packet one-way delay: 40.890 ms

Loss rate: 1.28%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-30 16:49:12

End at: 2018-06-30 16:49:42

Local clock offset: 0.567 ms

Remote clock offset: 4.025 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 149.953 ms

Loss rate: 20.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 149.649 ms

Loss rate: 37.24%

-- Flow 2:

Average throughput: 0.92 Mbit/s

95th percentile per-packet one-way delay: 152.062 ms

Loss rate: 14.73%

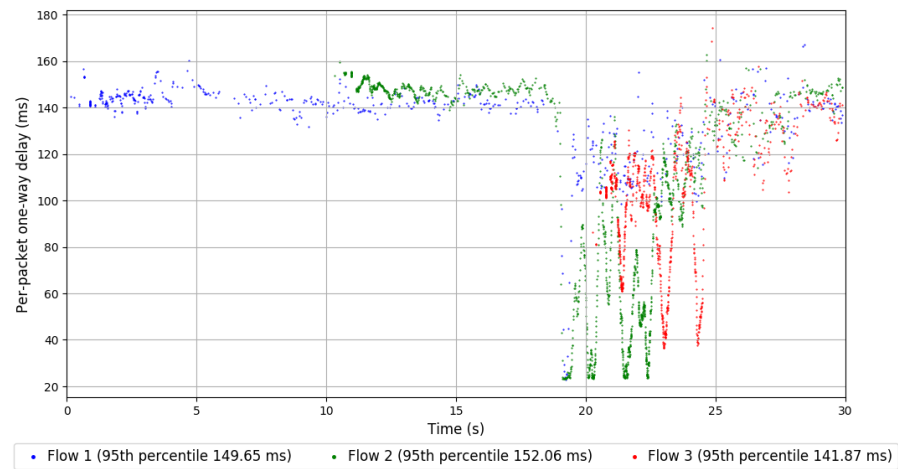
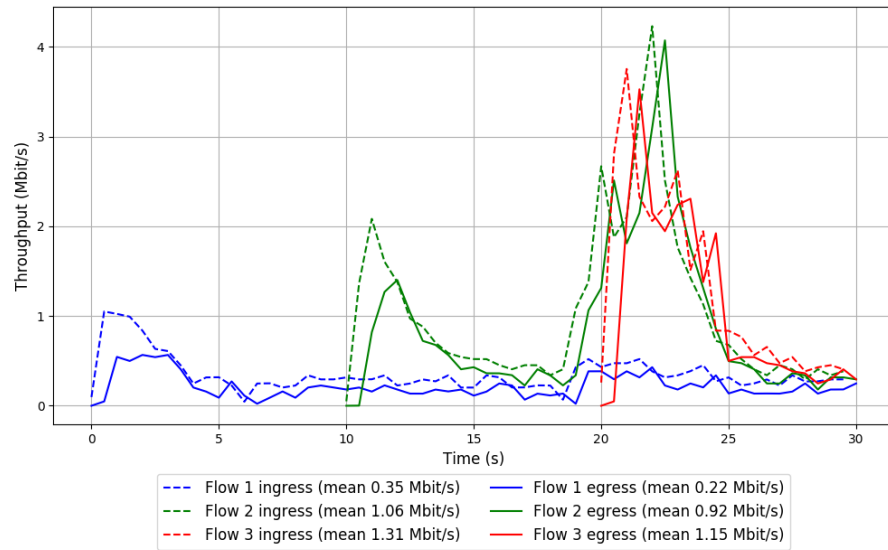
-- Flow 3:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 141.868 ms

Loss rate: 14.52%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 17:56:38

End at: 2018-06-30 17:57:08

Local clock offset: 0.479 ms

Remote clock offset: 3.773 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 153.287 ms

Loss rate: 31.05%

-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 146.263 ms

Loss rate: 29.72%

-- Flow 2:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 154.588 ms

Loss rate: 33.14%

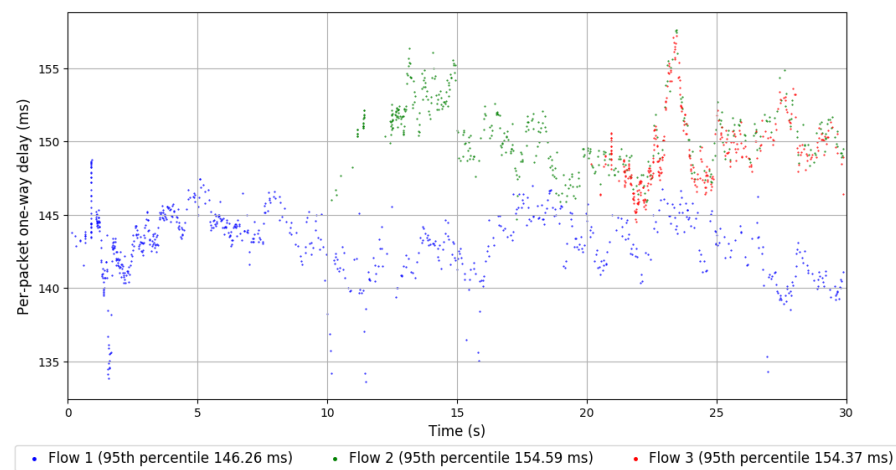
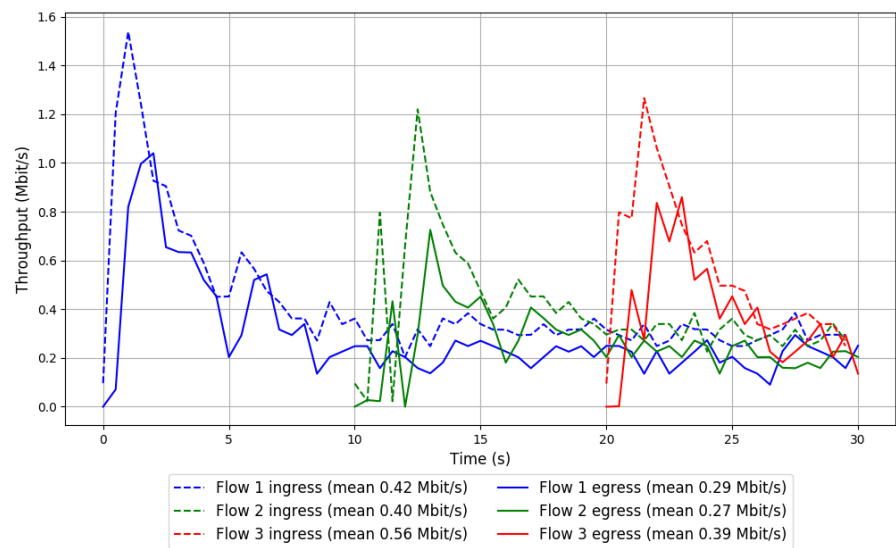
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 154.370 ms

Loss rate: 31.03%

Run 7: Report of QUIC Cubic — Data Link

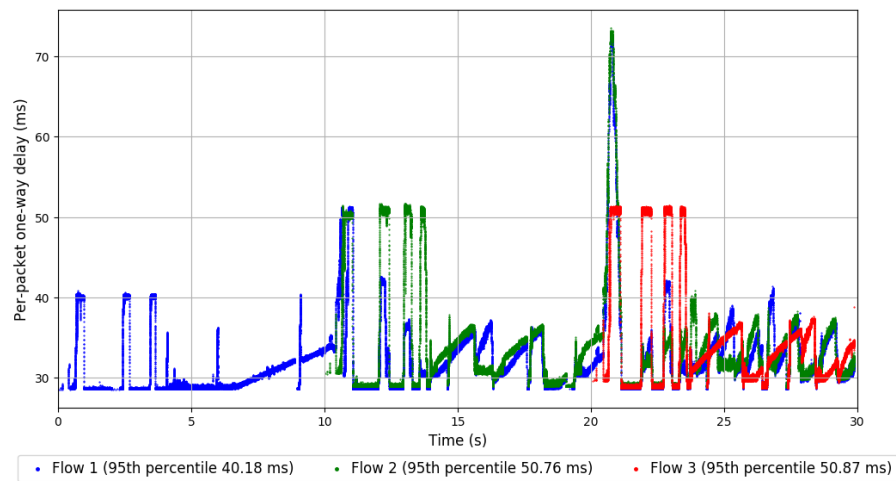
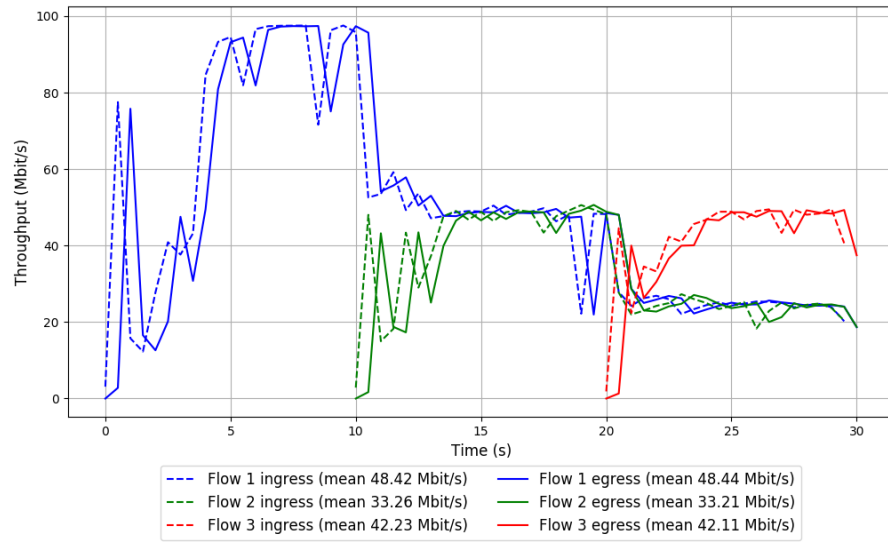


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 18:20:51
End at: 2018-06-30 18:21:21
Local clock offset: 1.715 ms
Remote clock offset: -1.486 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 50.215 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 40.181 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 50.758 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 42.11 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.85%

Run 8: Report of QUIC Cubic — Data Link

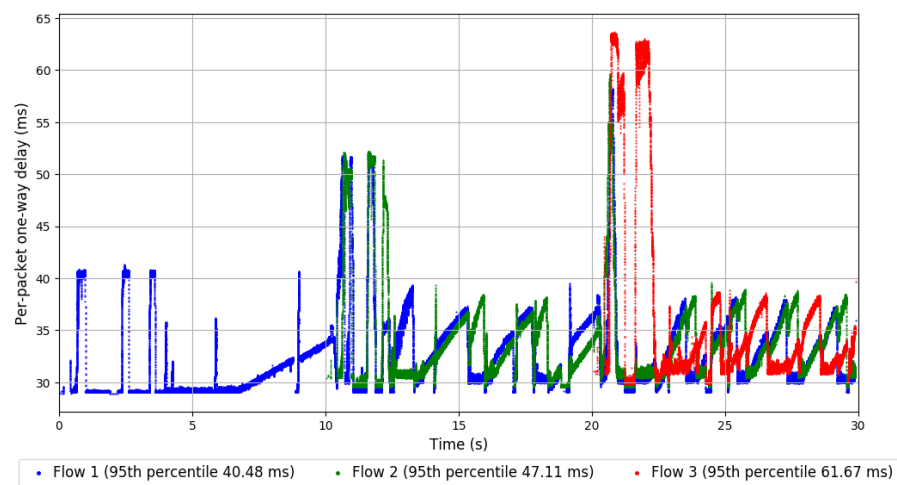
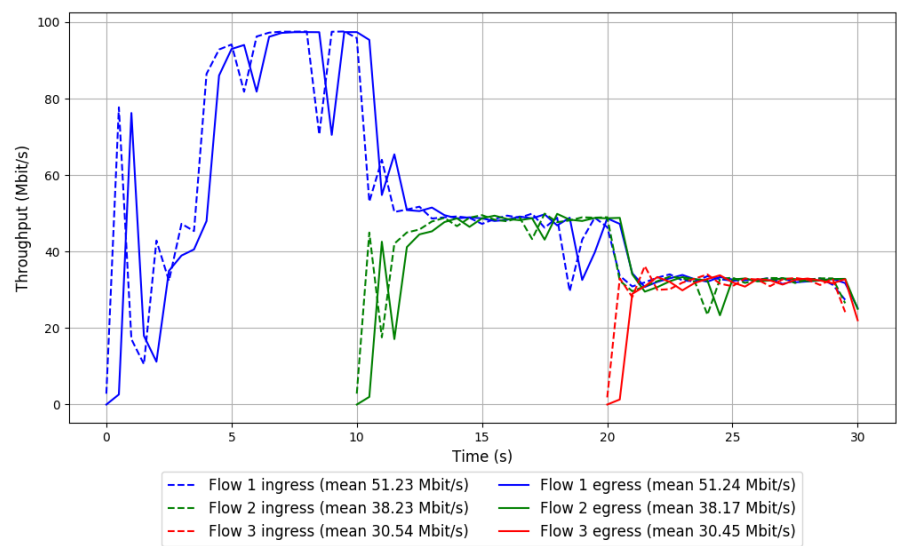


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 18:43:42
End at: 2018-06-30 18:44:12
Local clock offset: 4.075 ms
Remote clock offset: -1.213 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 41.473 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 51.24 Mbit/s
95th percentile per-packet one-way delay: 40.475 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 47.106 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 61.666 ms
Loss rate: 0.86%

Run 9: Report of QUIC Cubic — Data Link

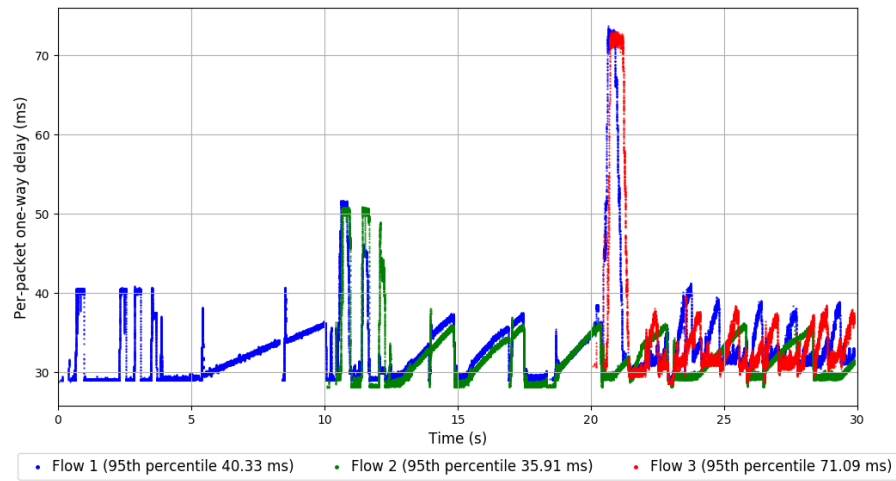
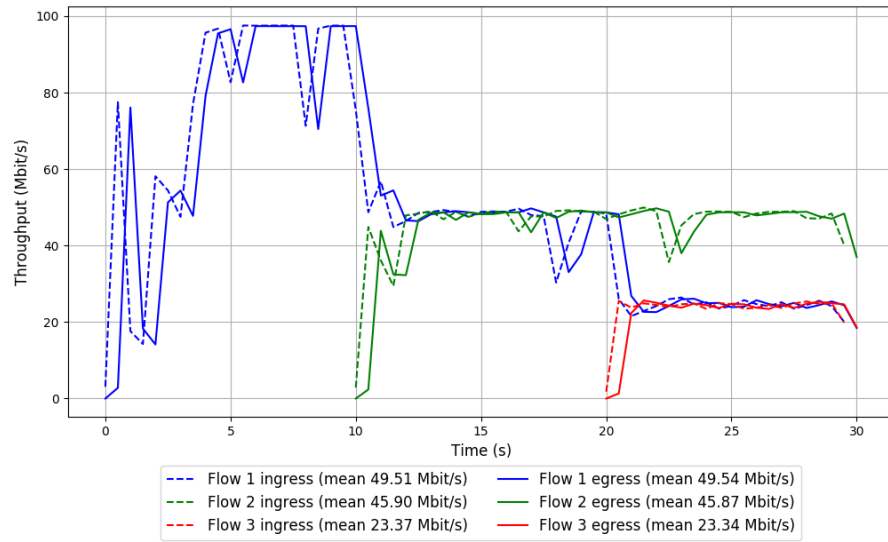


Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 19:06:30
End at: 2018-06-30 19:07:00
Local clock offset: 0.169 ms
Remote clock offset: -1.143 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 40.336 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 40.333 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 45.87 Mbit/s
95th percentile per-packet one-way delay: 35.909 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 71.094 ms
Loss rate: 0.75%

Run 10: Report of QUIC Cubic — Data Link

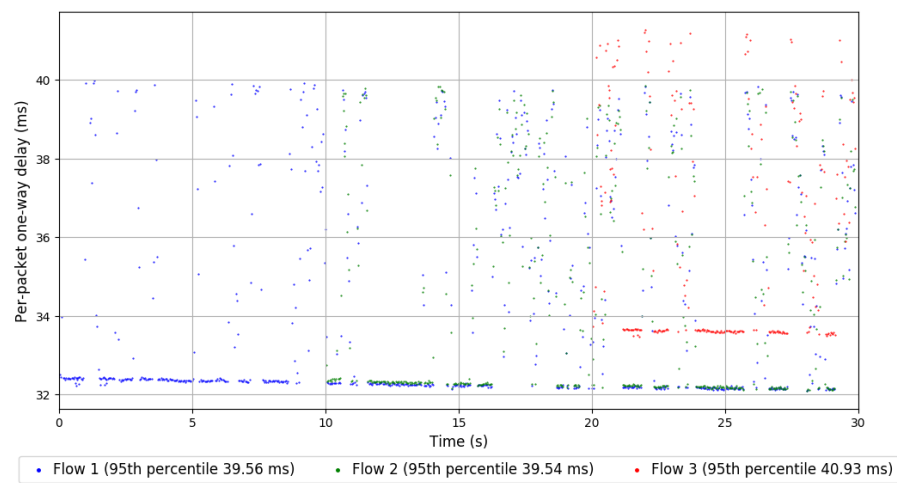
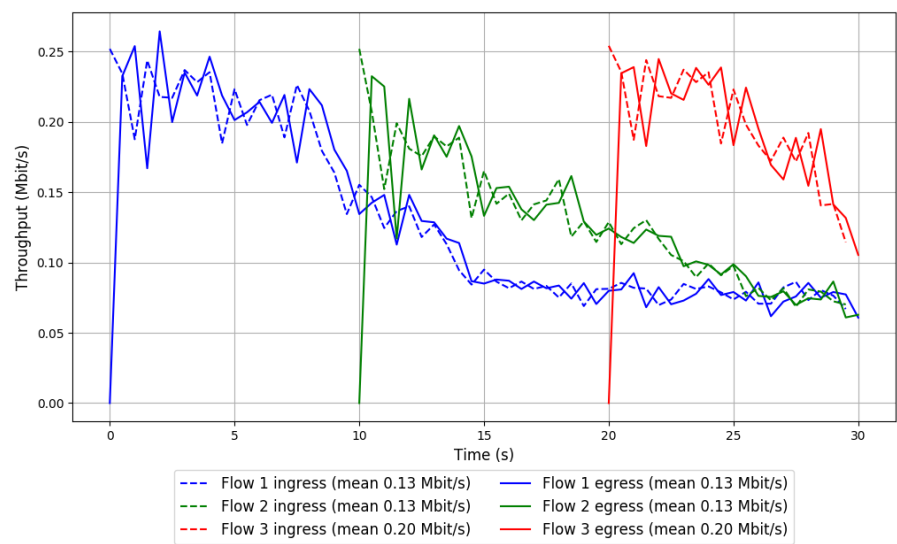


```
Run 1: Statistics of SCReAM

Start at: 2018-06-30 14:19:05
End at: 2018-06-30 14:19:35
Local clock offset: 1.09 ms
Remote clock offset: 3.126 ms

# Below is generated by plot.py at 2018-06-30 19:24:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 39.681 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 39.562 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 39.541 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 40.933 ms
Loss rate: 2.00%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-06-30 14:46:35

End at: 2018-06-30 14:47:05

Local clock offset: 3.855 ms

Remote clock offset: 4.012 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 40.930 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 40.119 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 41.615 ms

Loss rate: 1.10%

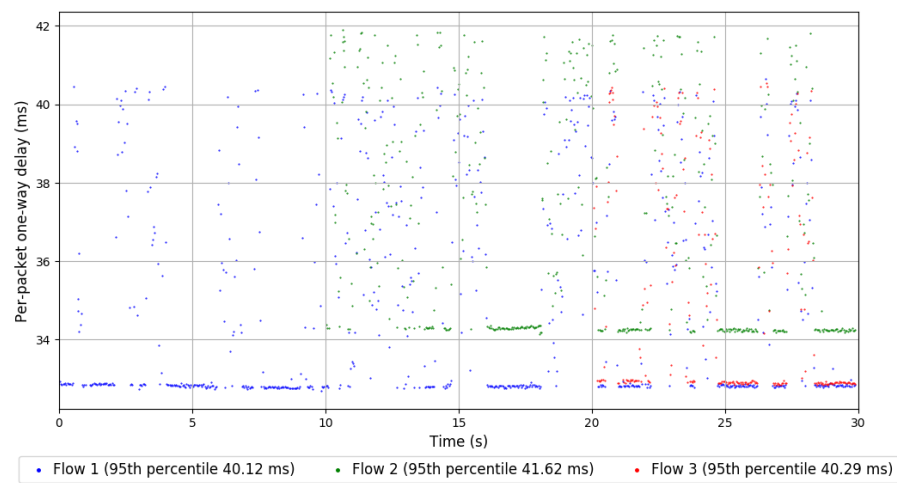
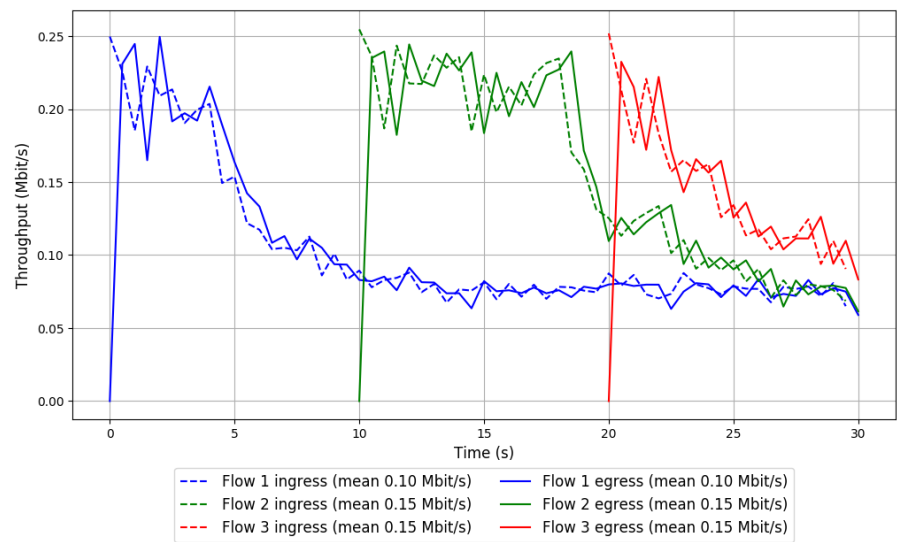
-- Flow 3:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 40.291 ms

Loss rate: 1.64%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-30 15:14:30

End at: 2018-06-30 15:15:00

Local clock offset: 0.197 ms

Remote clock offset: 2.568 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 40.038 ms

Loss rate: 3.34%

-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 40.040 ms

Loss rate: 3.89%

-- Flow 2:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 40.059 ms

Loss rate: 3.10%

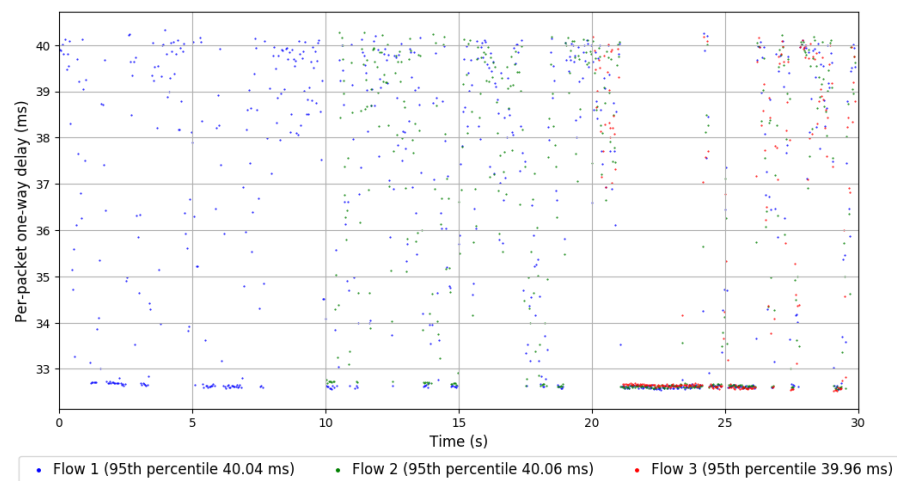
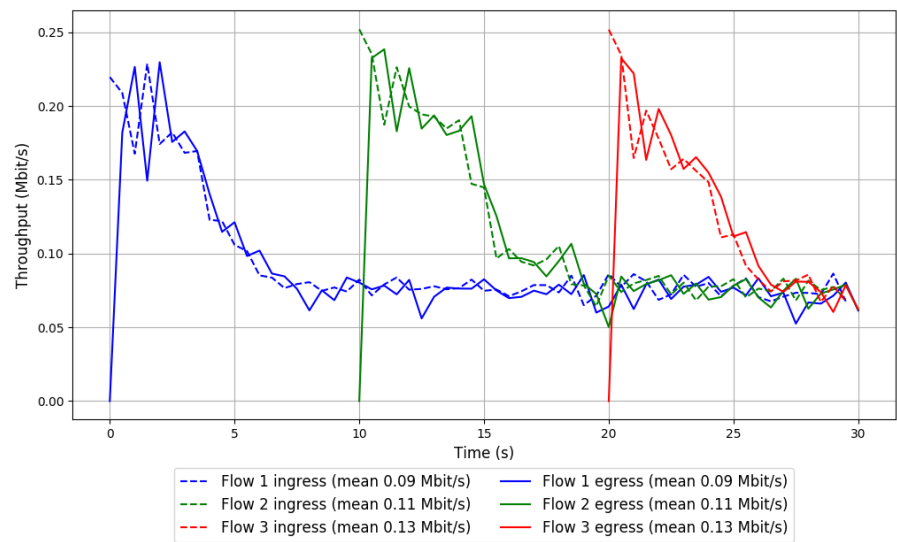
-- Flow 3:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 39.964 ms

Loss rate: 2.54%

Run 3: Report of SReAM — Data Link

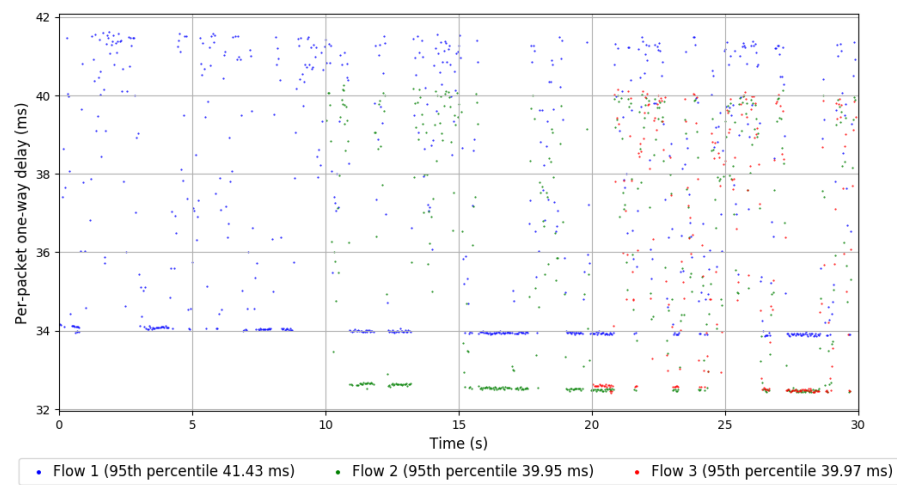
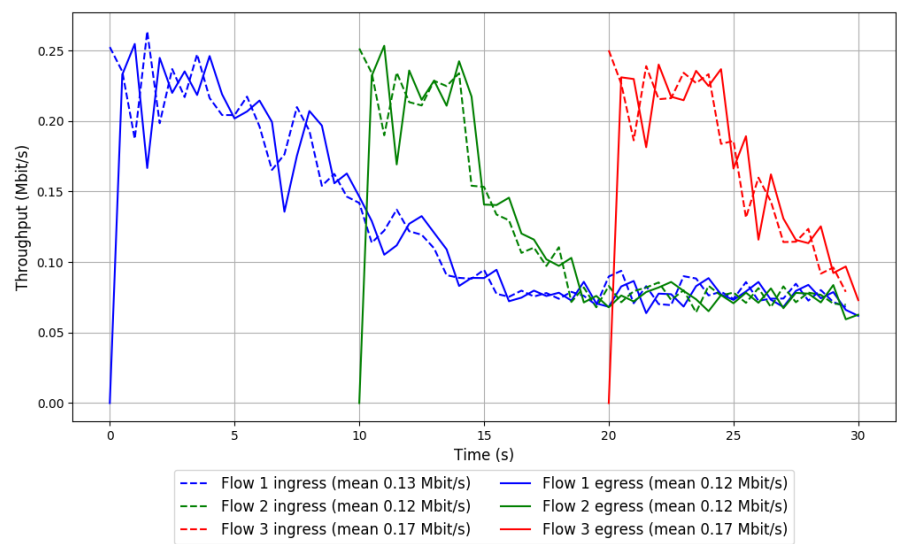


Run 4: Statistics of SCReAM

Start at: 2018-06-30 15:43:04
End at: 2018-06-30 15:43:34
Local clock offset: 4.591 ms
Remote clock offset: -2.245 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 41.276 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 41.429 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 39.953 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 39.968 ms
Loss rate: 1.69%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-06-30 16:10:37

End at: 2018-06-30 16:11:07

Local clock offset: 0.857 ms

Remote clock offset: 2.461 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 40.043 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 39.868 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 39.893 ms

Loss rate: 0.83%

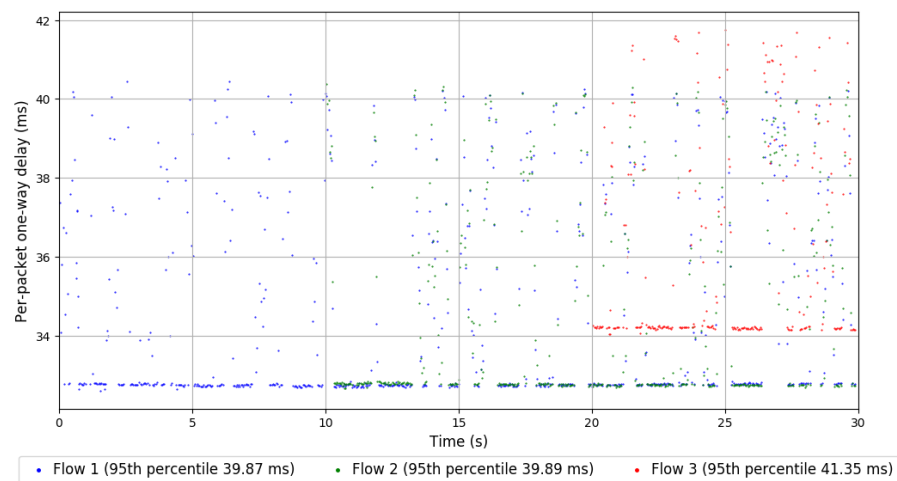
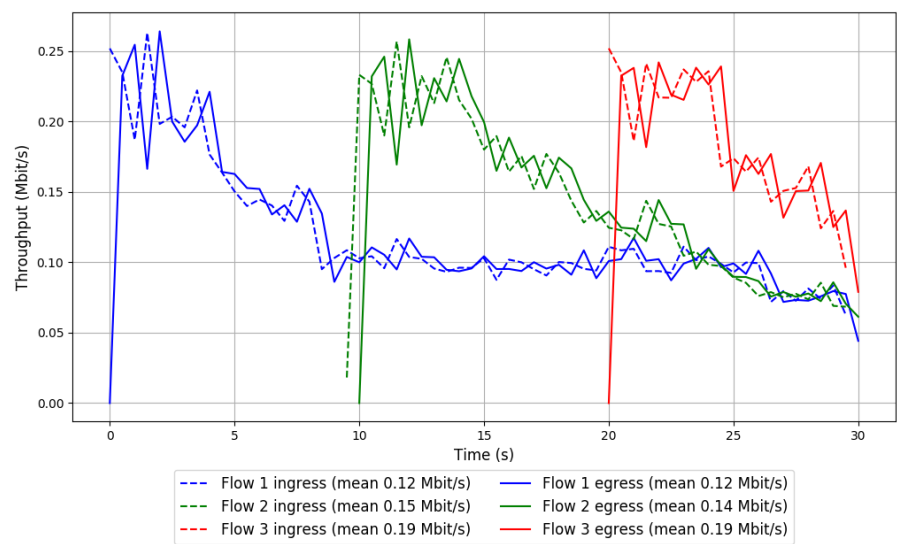
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 41.354 ms

Loss rate: 1.55%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-06-30 16:38:23

End at: 2018-06-30 16:38:53

Local clock offset: 0.636 ms

Remote clock offset: 3.854 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 40.020 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 39.982 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 40.061 ms

Loss rate: 2.06%

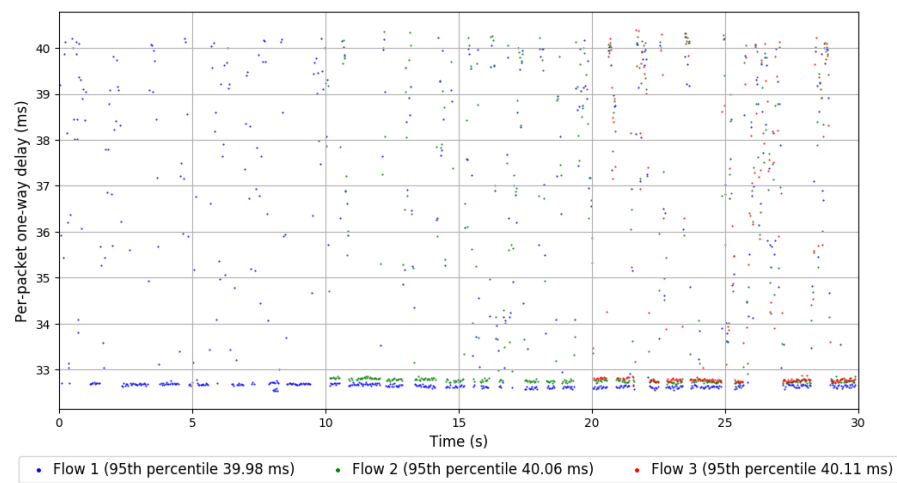
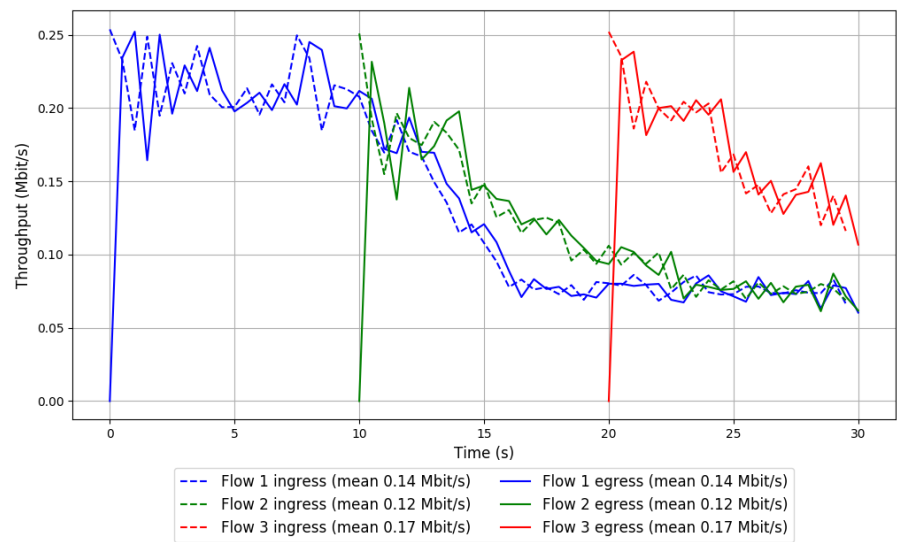
-- Flow 3:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 40.108 ms

Loss rate: 1.17%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-06-30 17:33:56

End at: 2018-06-30 17:34:26

Local clock offset: 0.431 ms

Remote clock offset: 1.985 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 154.982 ms

Loss rate: 31.97%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 155.187 ms

Loss rate: 35.81%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 150.556 ms

Loss rate: 23.89%

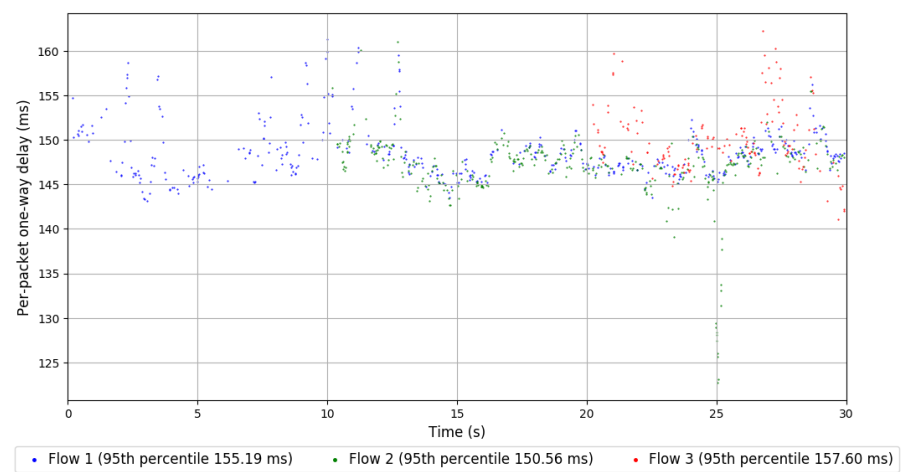
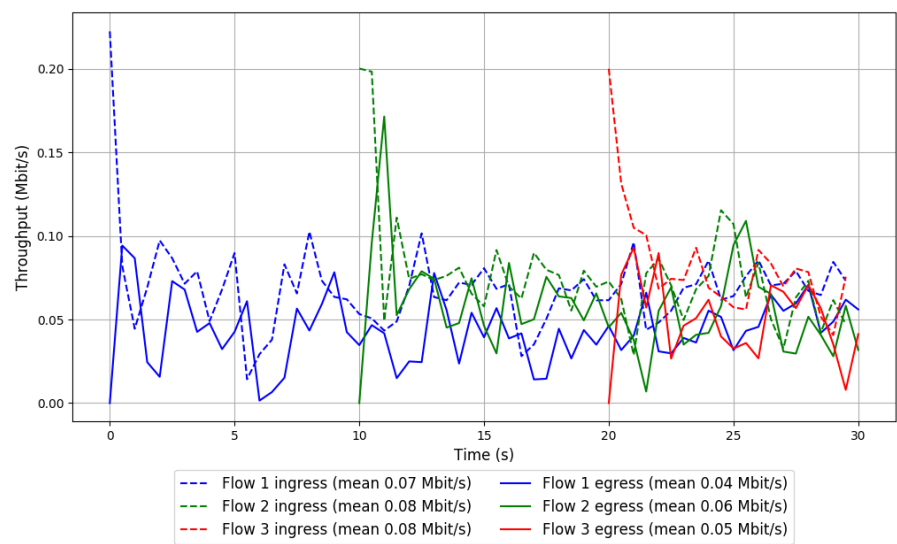
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 157.597 ms

Loss rate: 37.33%

Run 7: Report of SReAM — Data Link

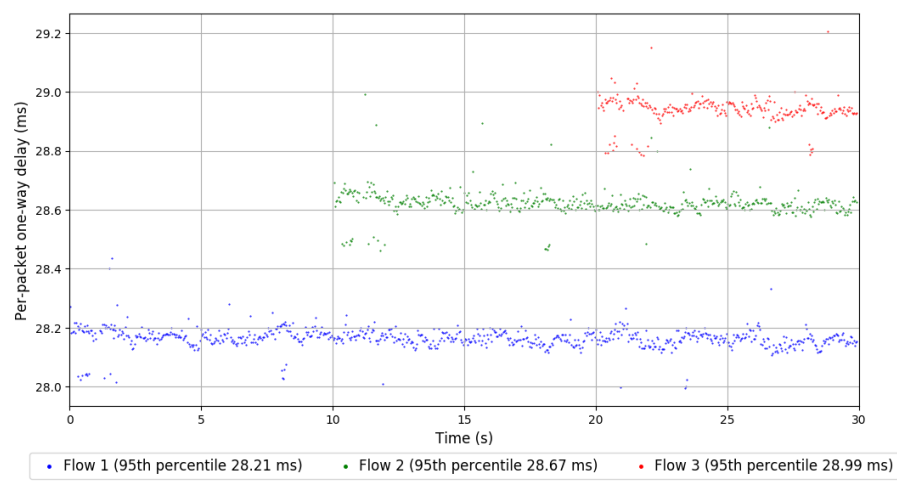
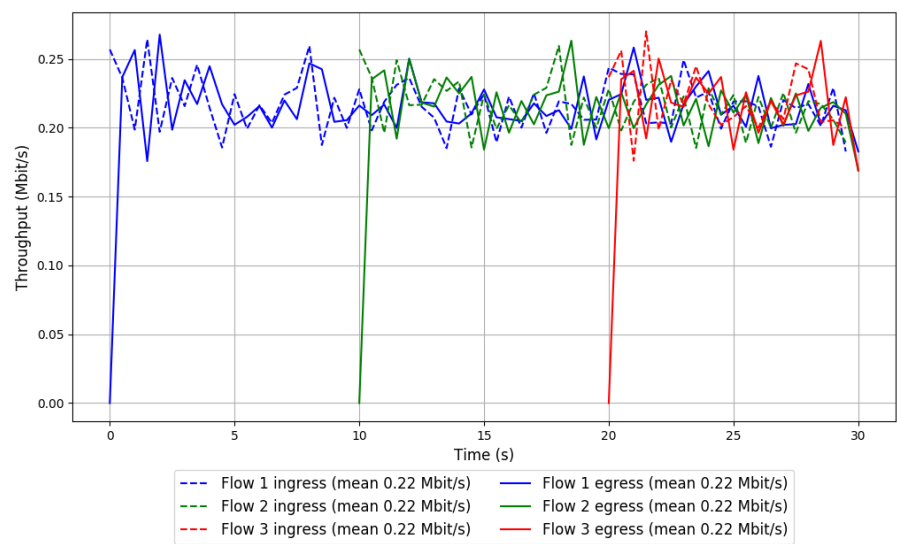


Run 8: Statistics of SReAM

Start at: 2018-06-30 18:11:26
End at: 2018-06-30 18:11:56
Local clock offset: 0.354 ms
Remote clock offset: -0.546 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.958 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.208 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.666 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.988 ms
Loss rate: 0.70%

Run 8: Report of SReAM — Data Link

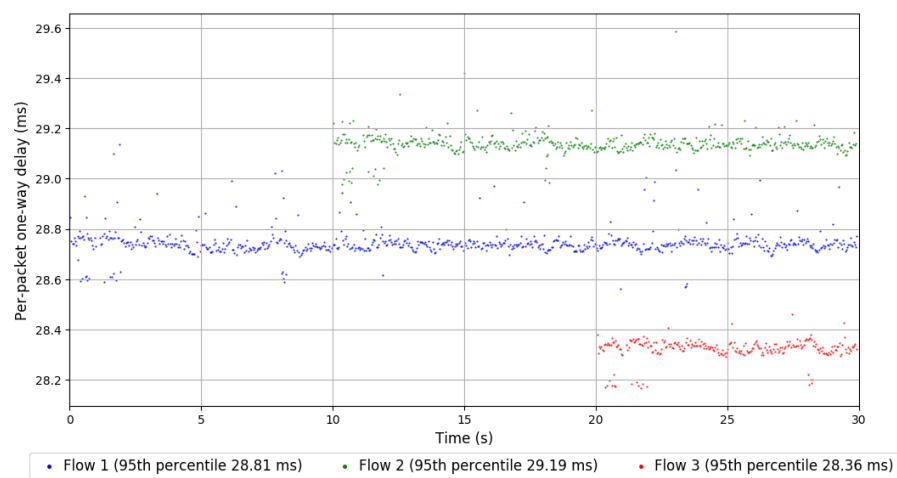
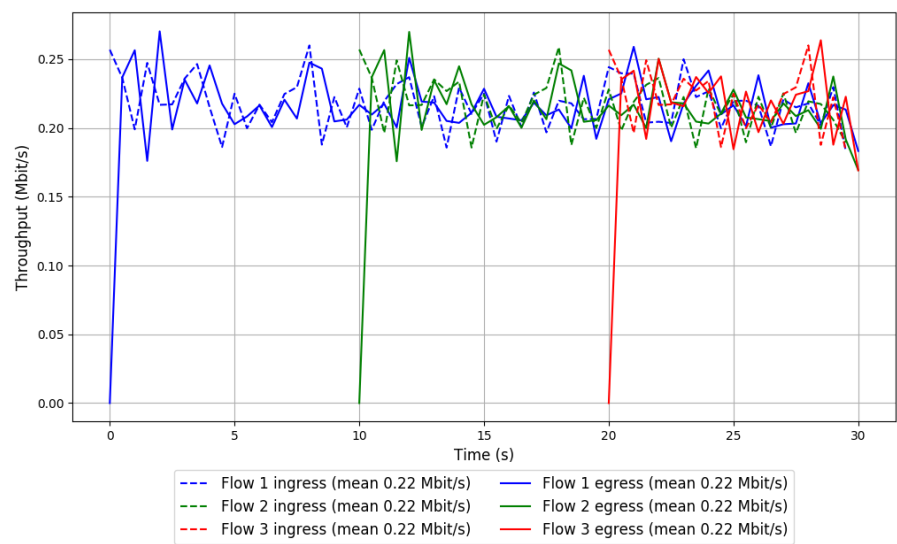


Run 9: Statistics of SReAM

Start at: 2018-06-30 18:34:19
End at: 2018-06-30 18:34:49
Local clock offset: 3.463 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 29.162 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.809 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.193 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.363 ms
Loss rate: 0.70%

Run 9: Report of SReAM — Data Link

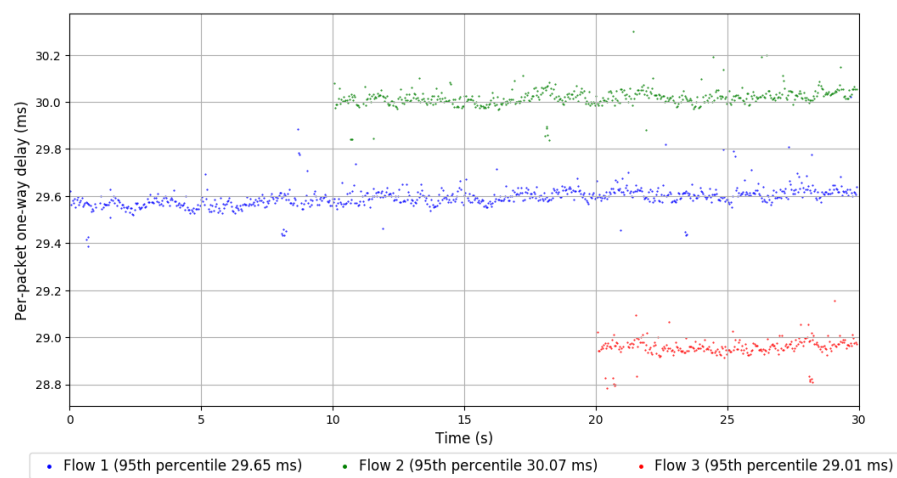
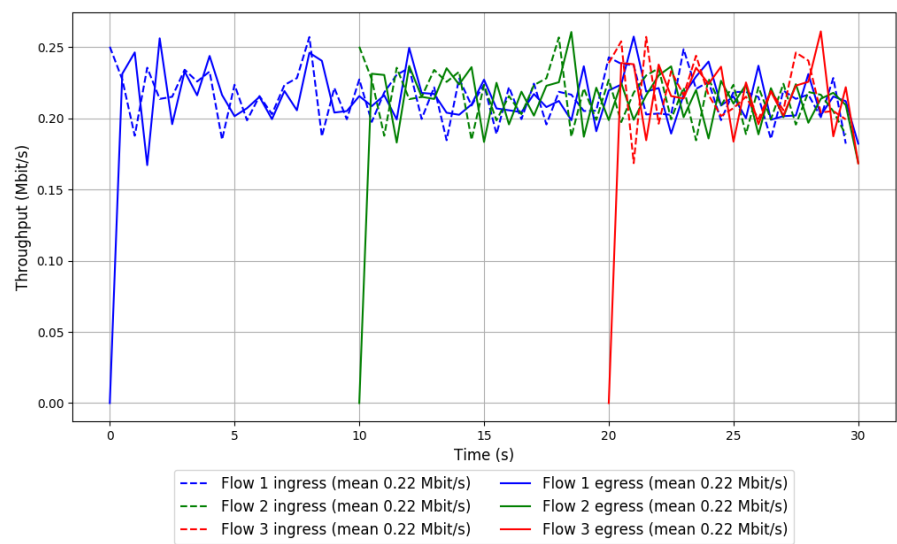


Run 10: Statistics of SReAM

Start at: 2018-06-30 18:57:08
End at: 2018-06-30 18:57:38
Local clock offset: 1.046 ms
Remote clock offset: -1.401 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.047 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.647 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.067 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.009 ms
Loss rate: 0.71%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-30 14:36:47

End at: 2018-06-30 14:37:17

Local clock offset: 3.817 ms

Remote clock offset: 3.136 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.19 Mbit/s

95th percentile per-packet one-way delay: 46.092 ms

Loss rate: 2.50%

-- Flow 1:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 46.575 ms

Loss rate: 2.70%

-- Flow 2:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 45.973 ms

Loss rate: 2.35%

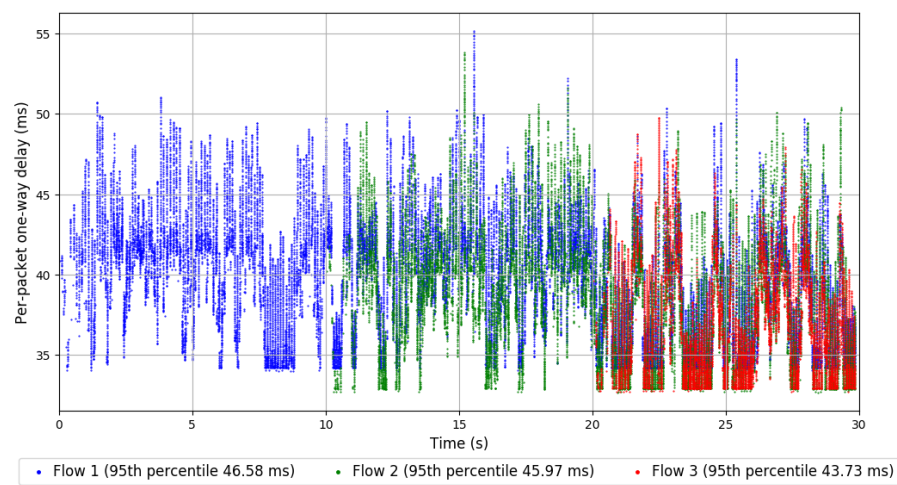
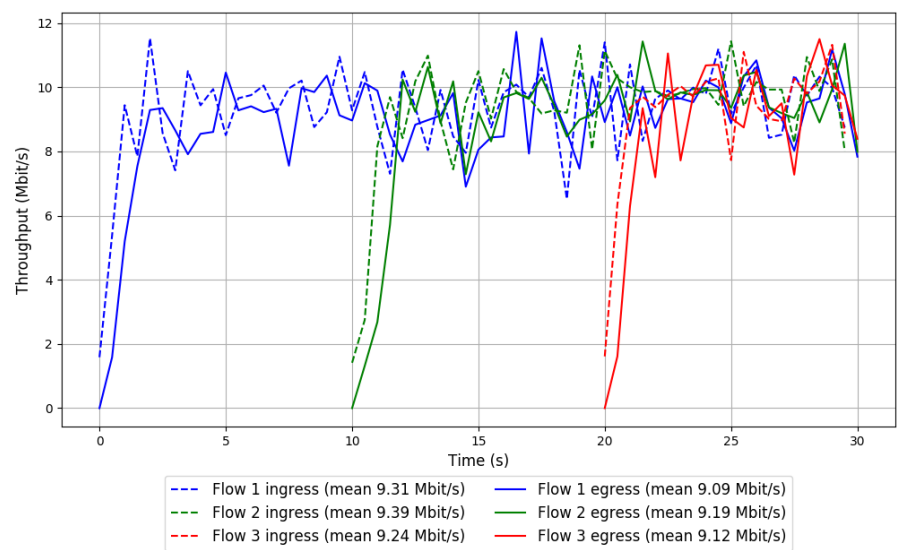
-- Flow 3:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 43.725 ms

Loss rate: 2.24%

Run 1: Report of Sprout — Data Link

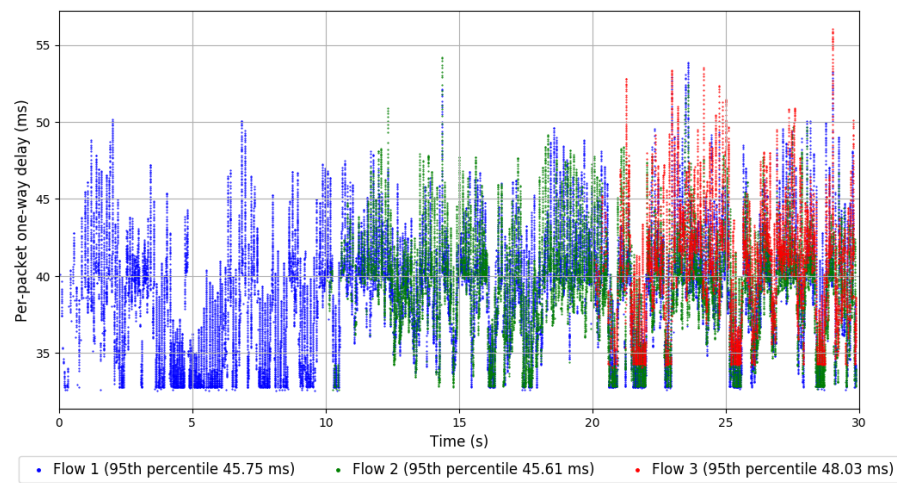
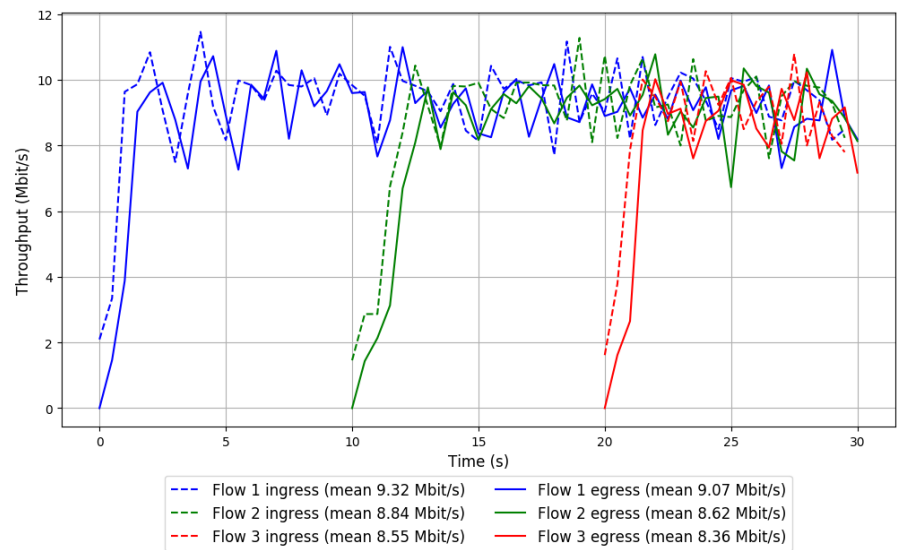


Run 2: Statistics of Sprout

Start at: 2018-06-30 15:04:11
End at: 2018-06-30 15:04:41
Local clock offset: 0.679 ms
Remote clock offset: 2.776 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 46.152 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 45.749 ms
Loss rate: 2.90%
-- Flow 2:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 45.609 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 48.028 ms
Loss rate: 2.95%

Run 2: Report of Sprout — Data Link

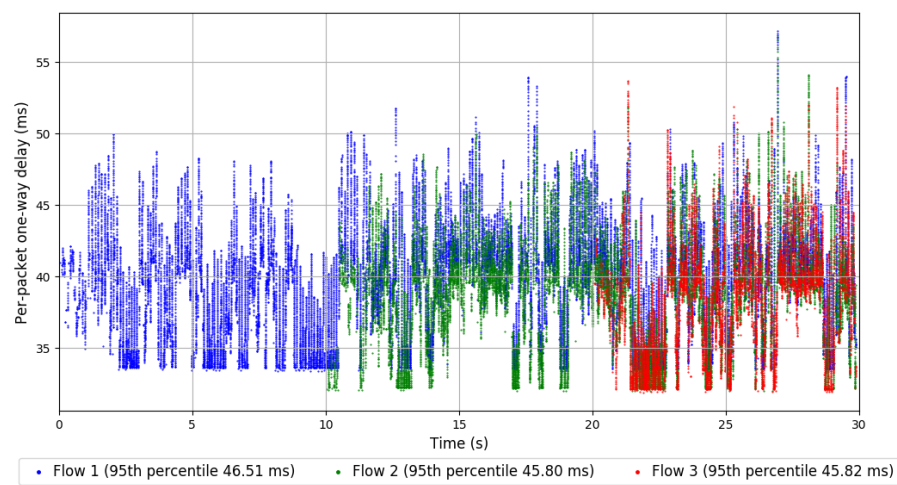
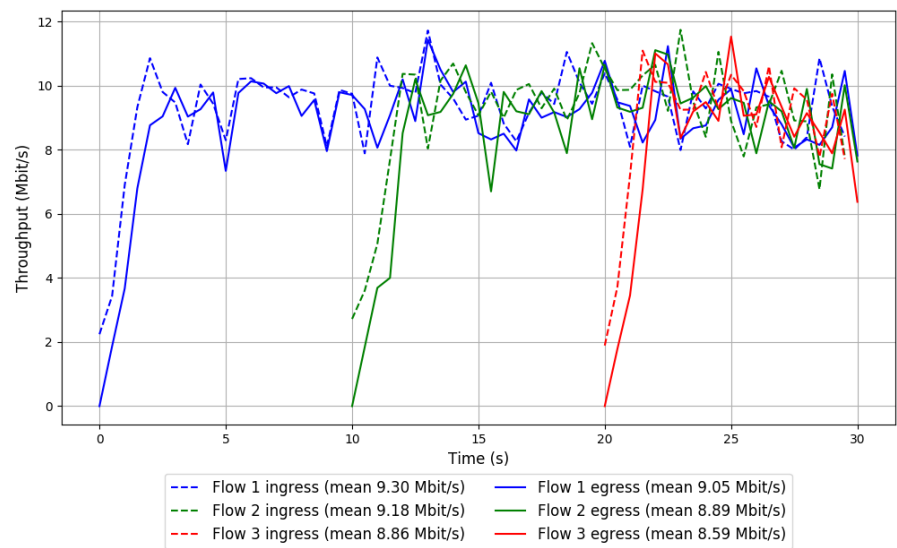


Run 3: Statistics of Sprout

Start at: 2018-06-30 15:32:55
End at: 2018-06-30 15:33:25
Local clock offset: 3.917 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.78 Mbit/s
95th percentile per-packet one-way delay: 46.193 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 9.05 Mbit/s
95th percentile per-packet one-way delay: 46.509 ms
Loss rate: 2.99%
-- Flow 2:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 45.797 ms
Loss rate: 3.46%
-- Flow 3:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 45.823 ms
Loss rate: 3.49%

Run 3: Report of Sprout — Data Link

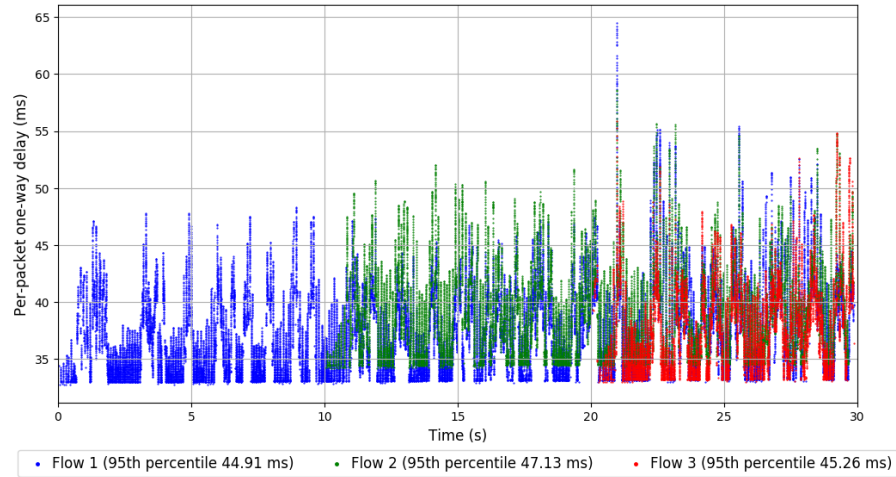
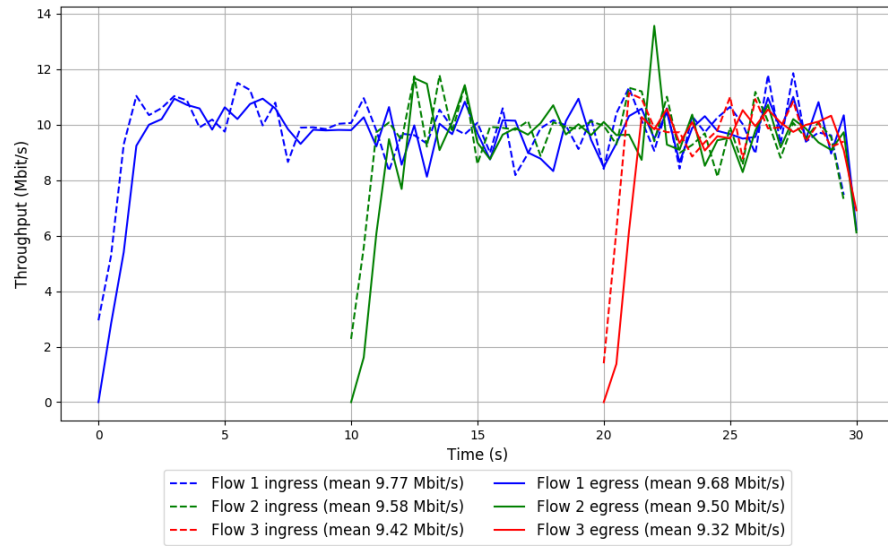


Run 4: Statistics of Sprout

Start at: 2018-06-30 16:00:38
End at: 2018-06-30 16:01:08
Local clock offset: 1.464 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.05 Mbit/s
95th percentile per-packet one-way delay: 45.980 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 44.913 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 47.126 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 45.264 ms
Loss rate: 1.79%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-30 16:28:38

End at: 2018-06-30 16:29:08

Local clock offset: 0.753 ms

Remote clock offset: 3.529 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.34 Mbit/s

95th percentile per-packet one-way delay: 43.865 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 9.83 Mbit/s

95th percentile per-packet one-way delay: 43.509 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 9.72 Mbit/s

95th percentile per-packet one-way delay: 44.383 ms

Loss rate: 1.38%

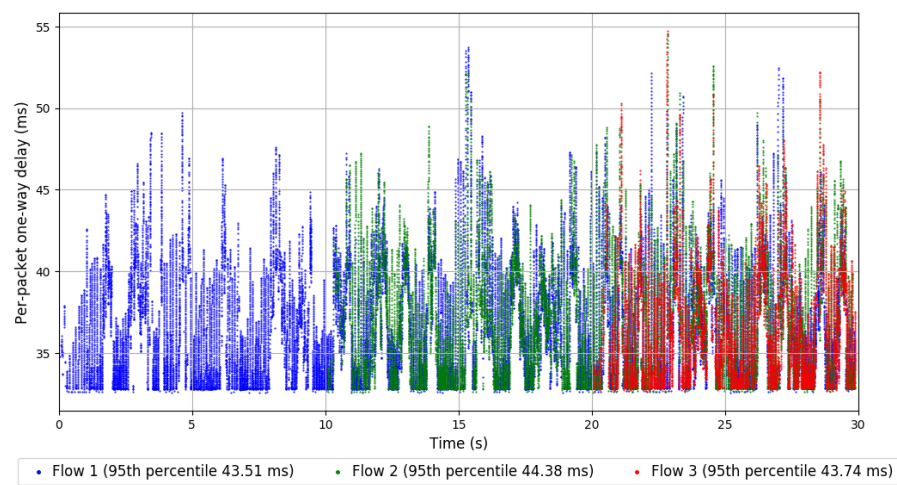
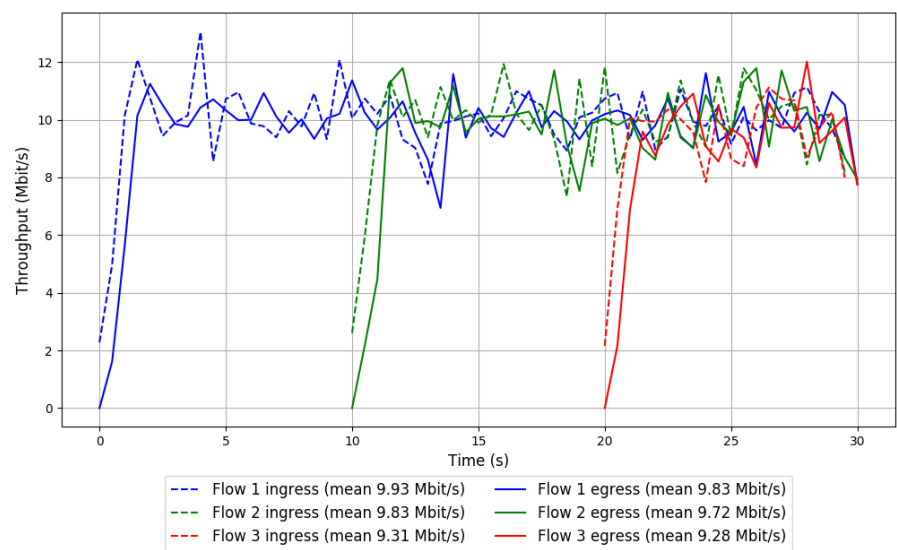
-- Flow 3:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 43.741 ms

Loss rate: 0.90%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-30 17:01:12

End at: 2018-06-30 17:01:42

Local clock offset: 0.779 ms

Remote clock offset: 3.433 ms

Below is generated by plot.py at 2018-06-30 19:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 159.799 ms

Loss rate: 34.49%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 162.810 ms

Loss rate: 41.29%

-- Flow 2:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 156.624 ms

Loss rate: 24.70%

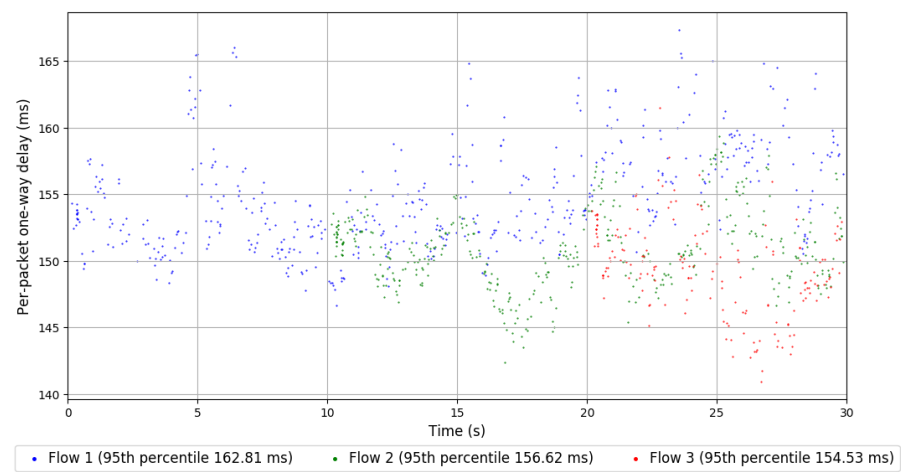
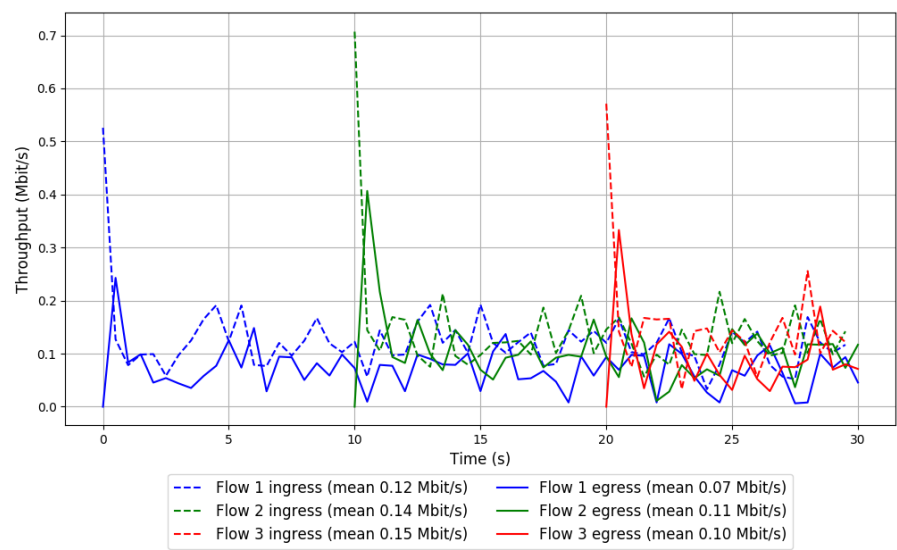
-- Flow 3:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 154.531 ms

Loss rate: 36.15%

Run 6: Report of Sprout — Data Link

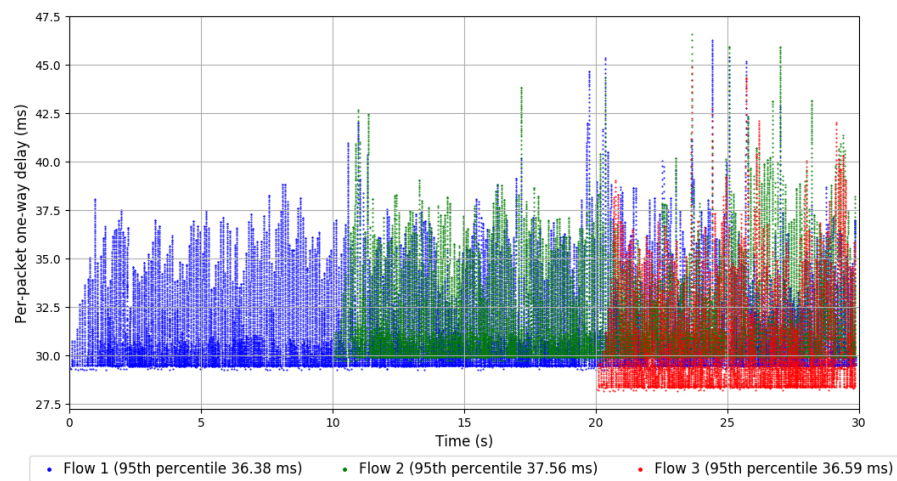
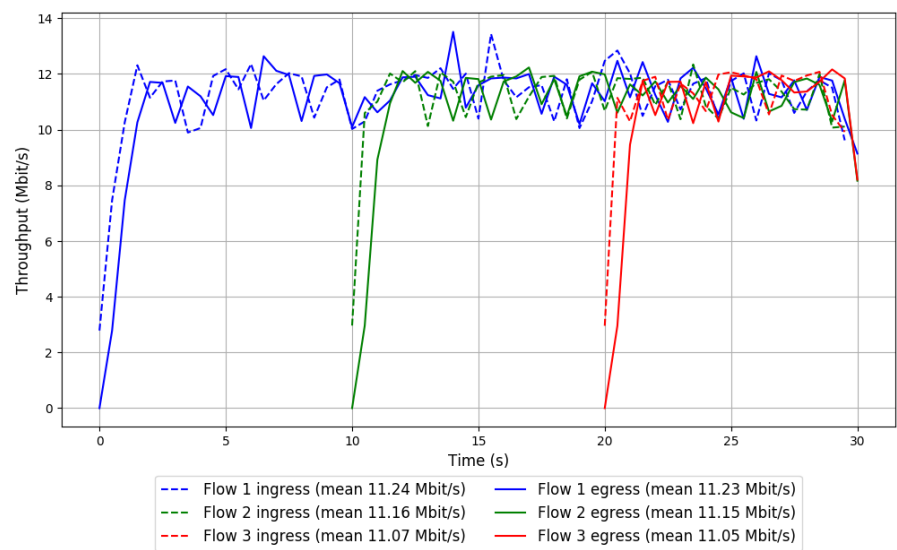


Run 7: Statistics of Sprout

Start at: 2018-06-30 18:03:17
End at: 2018-06-30 18:03:47
Local clock offset: 0.45 ms
Remote clock offset: -1.221 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 36.841 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 36.384 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.15 Mbit/s
95th percentile per-packet one-way delay: 37.564 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 36.594 ms
Loss rate: 0.90%

Run 7: Report of Sprout — Data Link

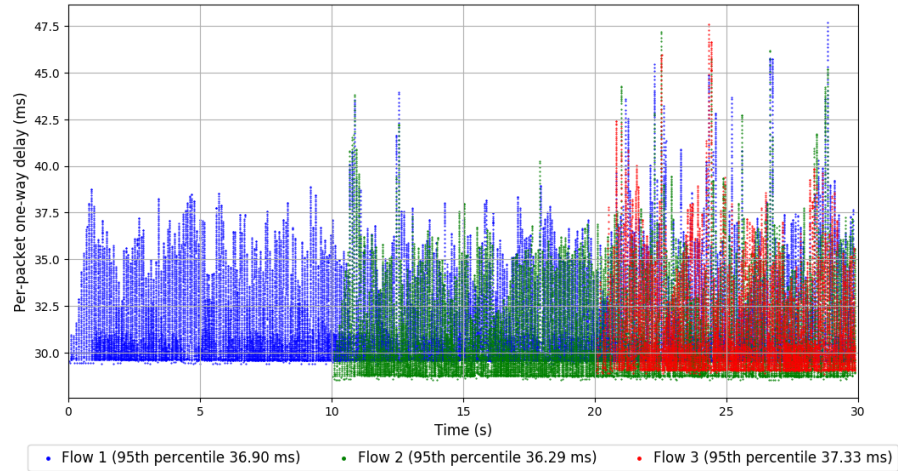
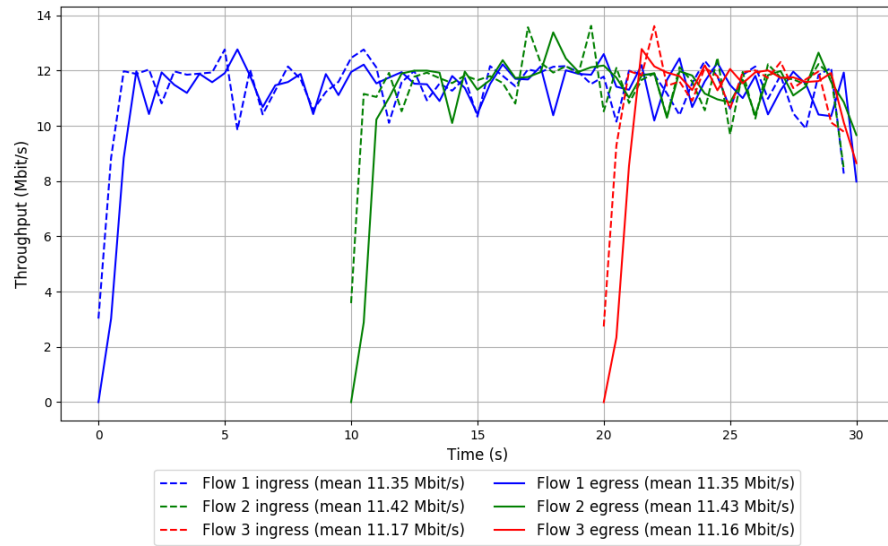


Run 8: Statistics of Sprout

Start at: 2018-06-30 18:26:09
End at: 2018-06-30 18:26:39
Local clock offset: 2.675 ms
Remote clock offset: -1.547 ms

```
# Below is generated by plot.py at 2018-06-30 19:24:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 36.815 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 11.35 Mbit/s
95th percentile per-packet one-way delay: 36.898 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 36.287 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 37.328 ms
Loss rate: 0.72%
```

Run 8: Report of Sprout — Data Link

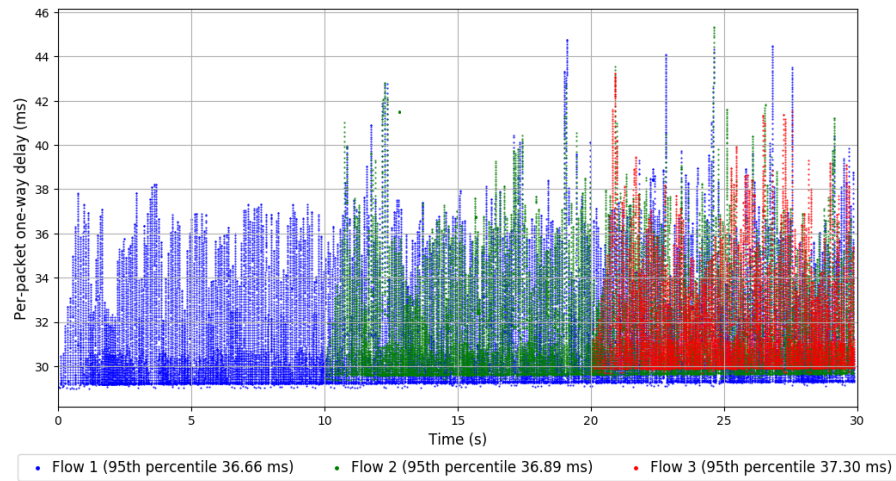
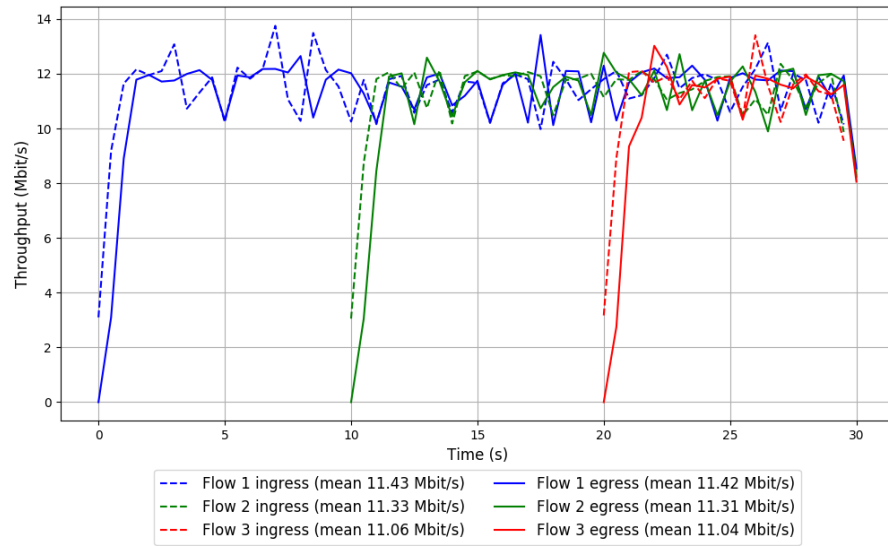


Run 9: Statistics of Sprout

Start at: 2018-06-30 18:49:00
End at: 2018-06-30 18:49:30
Local clock offset: 2.795 ms
Remote clock offset: -1.472 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.57 Mbit/s
95th percentile per-packet one-way delay: 36.823 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 36.659 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 36.890 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 37.304 ms
Loss rate: 0.75%

Run 9: Report of Sprout — Data Link

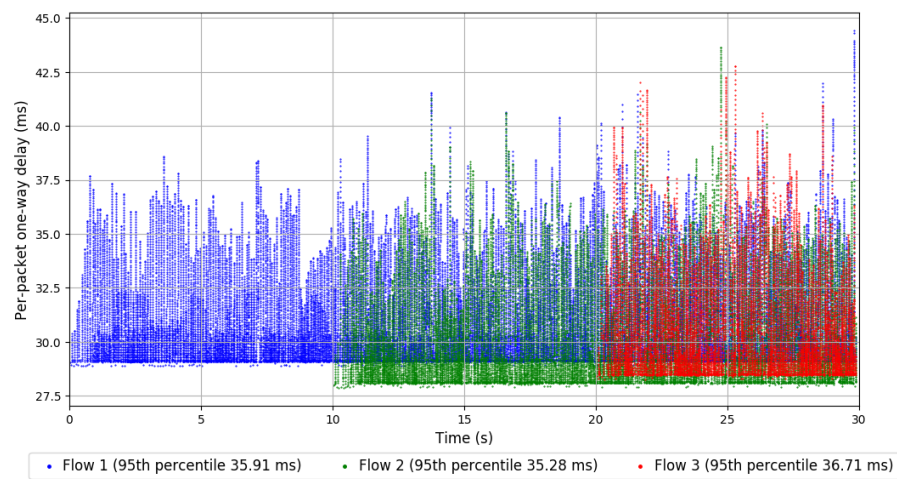
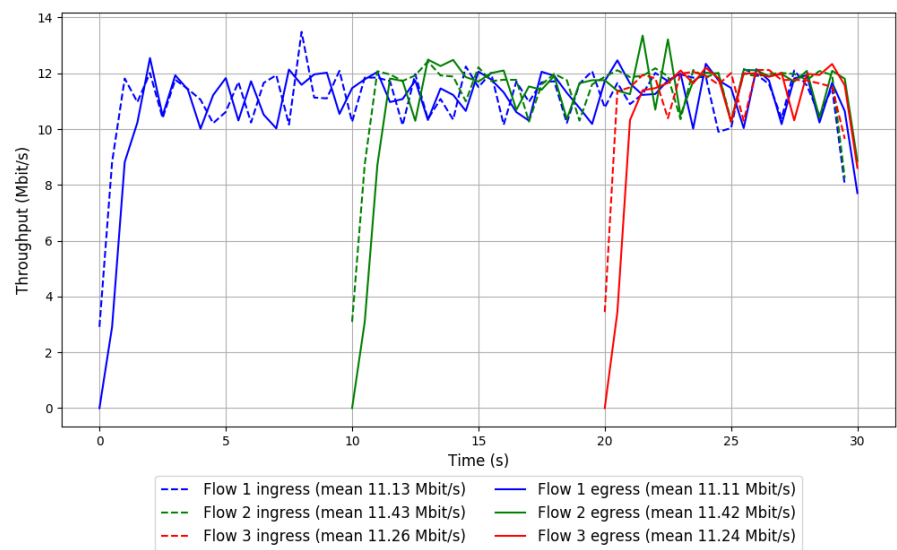


Run 10: Statistics of Sprout

Start at: 2018-06-30 19:11:47
End at: 2018-06-30 19:12:17
Local clock offset: -0.213 ms
Remote clock offset: -0.928 ms

Below is generated by plot.py at 2018-06-30 19:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 35.846 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 35.914 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 35.276 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 36.713 ms
Loss rate: 0.75%

Run 10: Report of Sprout — Data Link

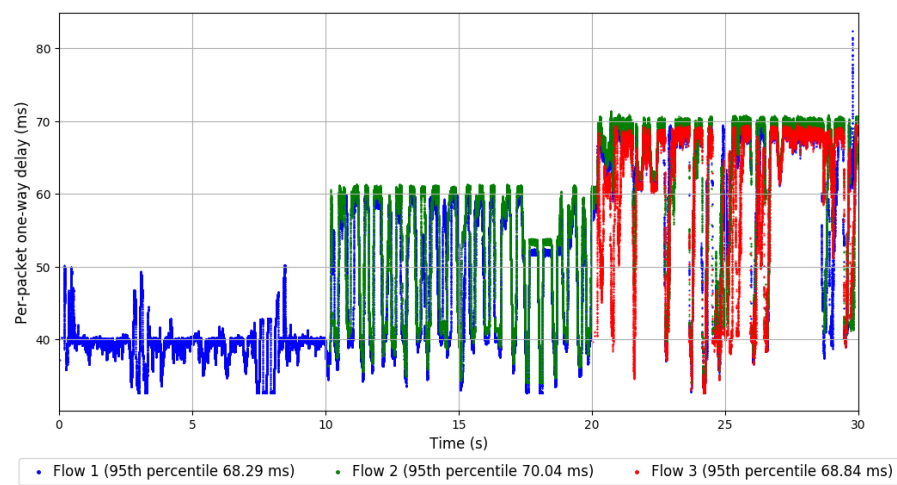
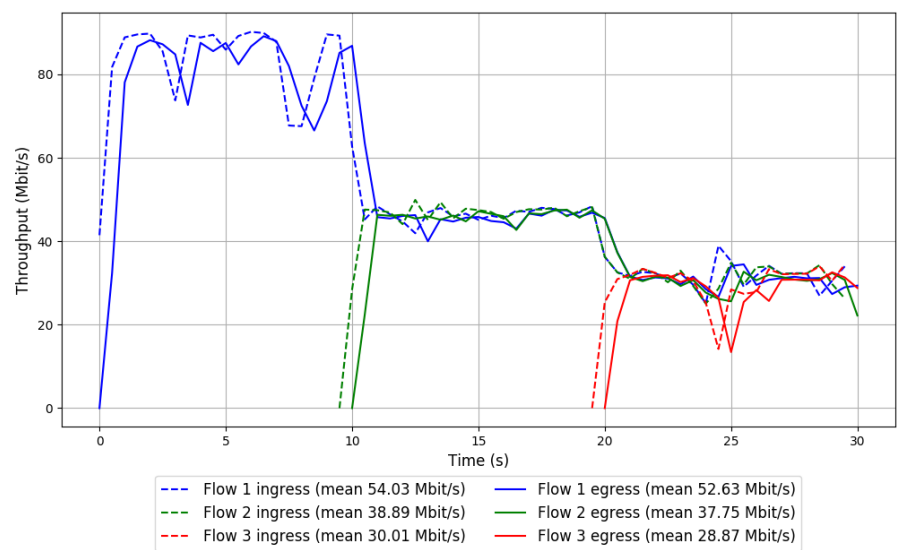


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 14:34:17
End at: 2018-06-30 14:34:47
Local clock offset: 3.648 ms
Remote clock offset: 3.094 ms

# Below is generated by plot.py at 2018-06-30 19:26:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 69.149 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 68.291 ms
Loss rate: 2.86%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 70.038 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 68.839 ms
Loss rate: 4.64%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 15:01:46

End at: 2018-06-30 15:02:16

Local clock offset: 0.967 ms

Remote clock offset: 2.816 ms

Below is generated by plot.py at 2018-06-30 19:26:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.11 Mbit/s

95th percentile per-packet one-way delay: 60.673 ms

Loss rate: 3.90%

-- Flow 1:

Average throughput: 46.55 Mbit/s

95th percentile per-packet one-way delay: 59.325 ms

Loss rate: 3.46%

-- Flow 2:

Average throughput: 26.69 Mbit/s

95th percentile per-packet one-way delay: 71.243 ms

Loss rate: 3.99%

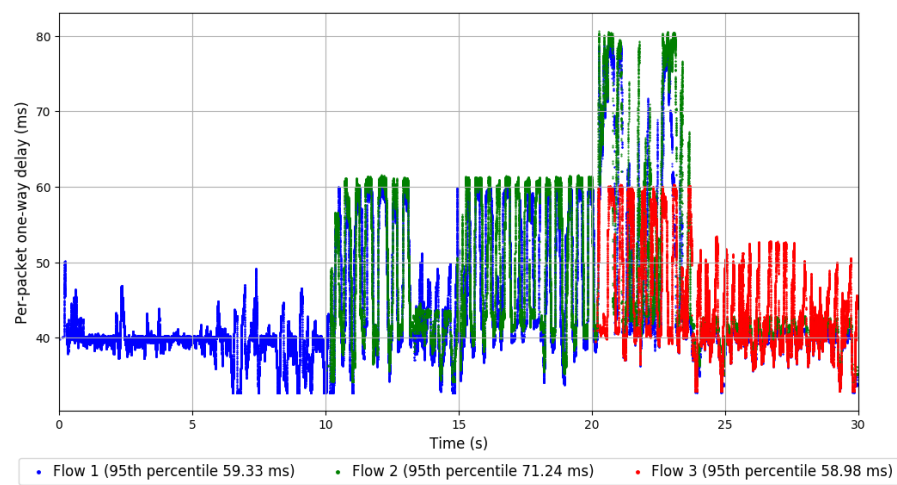
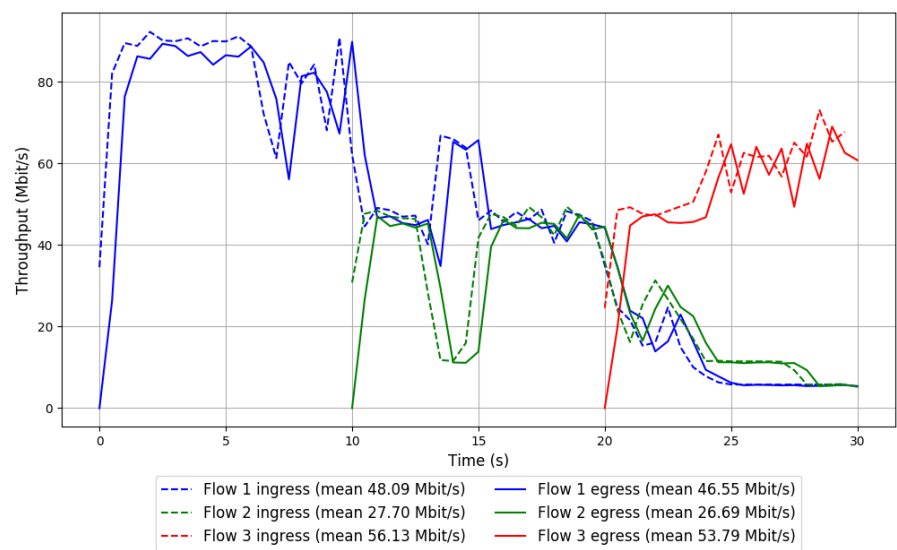
-- Flow 3:

Average throughput: 53.79 Mbit/s

95th percentile per-packet one-way delay: 58.978 ms

Loss rate: 4.92%

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

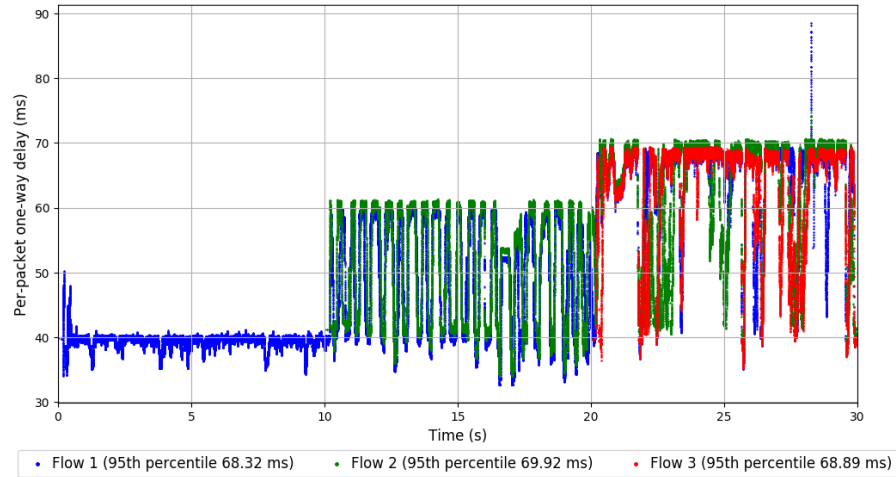
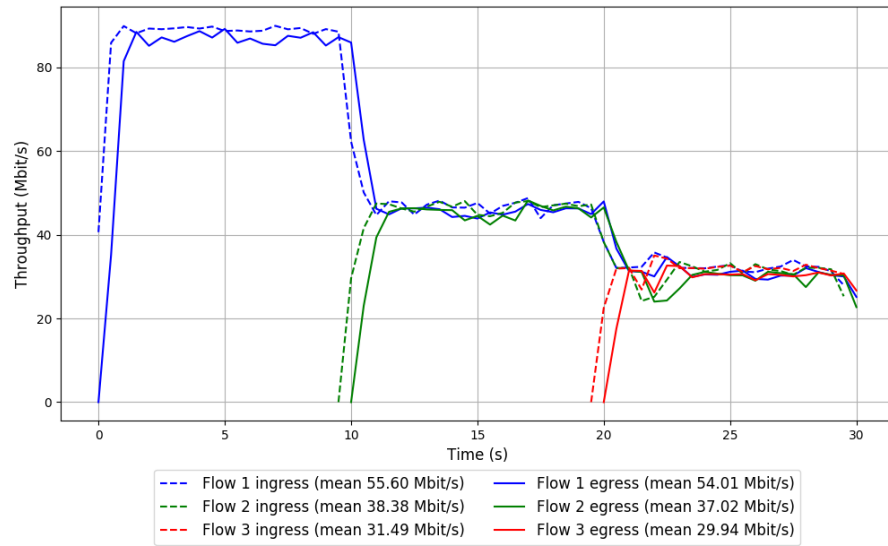


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 15:30:24
End at: 2018-06-30 15:30:54
Local clock offset: 3.67 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2018-06-30 19:26:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 68.994 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 54.01 Mbit/s
95th percentile per-packet one-way delay: 68.317 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 69.921 ms
Loss rate: 3.89%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 68.895 ms
Loss rate: 5.78%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 15:58:34

End at: 2018-06-30 15:59:04

Local clock offset: 1.682 ms

Remote clock offset: -1.41 ms

Below is generated by plot.py at 2018-06-30 19:26:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.80 Mbit/s

95th percentile per-packet one-way delay: 69.779 ms

Loss rate: 2.99%

-- Flow 1:

Average throughput: 53.14 Mbit/s

95th percentile per-packet one-way delay: 69.695 ms

Loss rate: 2.66%

-- Flow 2:

Average throughput: 38.20 Mbit/s

95th percentile per-packet one-way delay: 70.134 ms

Loss rate: 3.20%

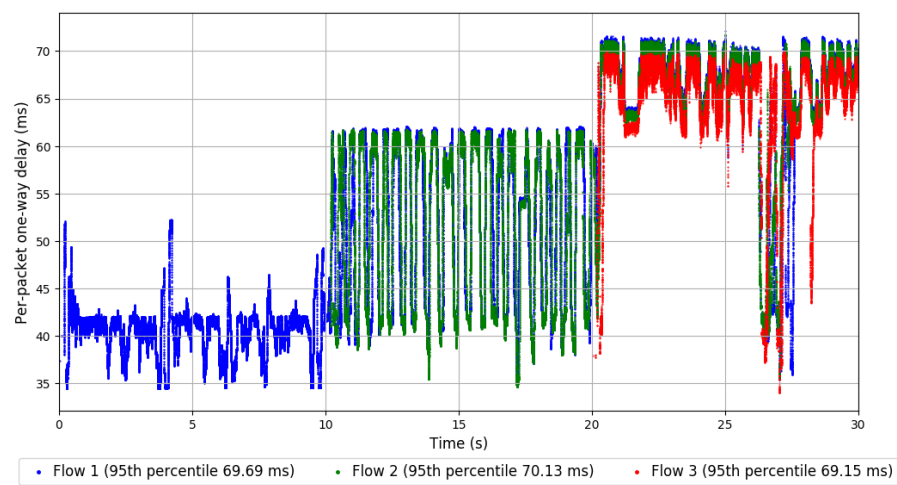
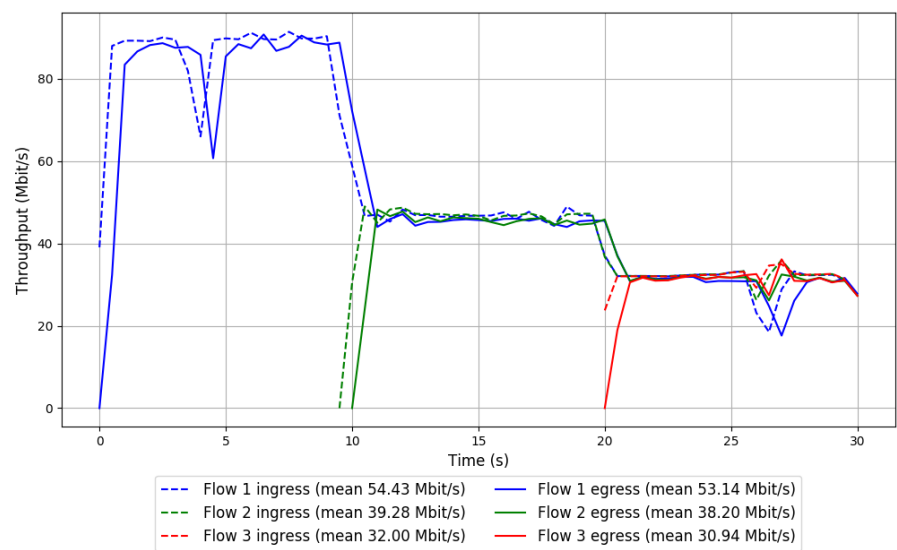
-- Flow 3:

Average throughput: 30.94 Mbit/s

95th percentile per-packet one-way delay: 69.147 ms

Loss rate: 4.17%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-30 16:26:44

End at: 2018-06-30 16:27:14

Local clock offset: 0.758 ms

Remote clock offset: 3.395 ms

Below is generated by plot.py at 2018-06-30 19:26:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.76 Mbit/s

95th percentile per-packet one-way delay: 71.215 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 70.965 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 34.71 Mbit/s

95th percentile per-packet one-way delay: 74.229 ms

Loss rate: 1.70%

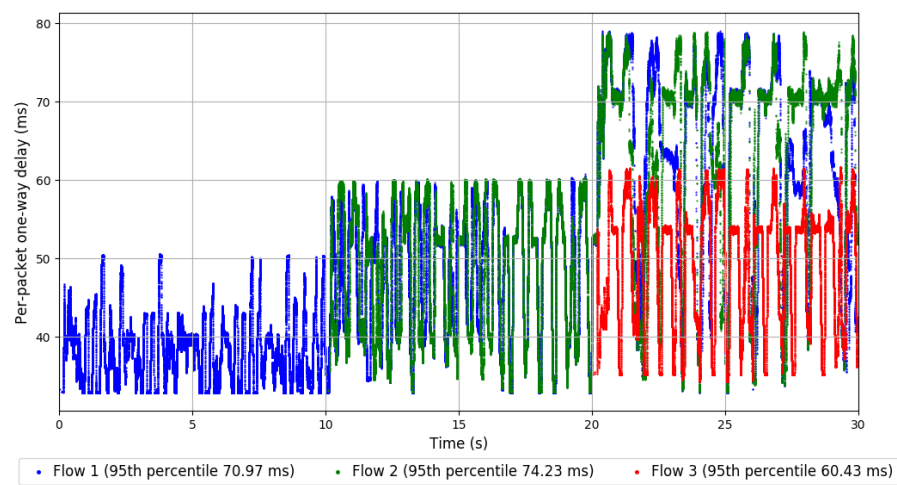
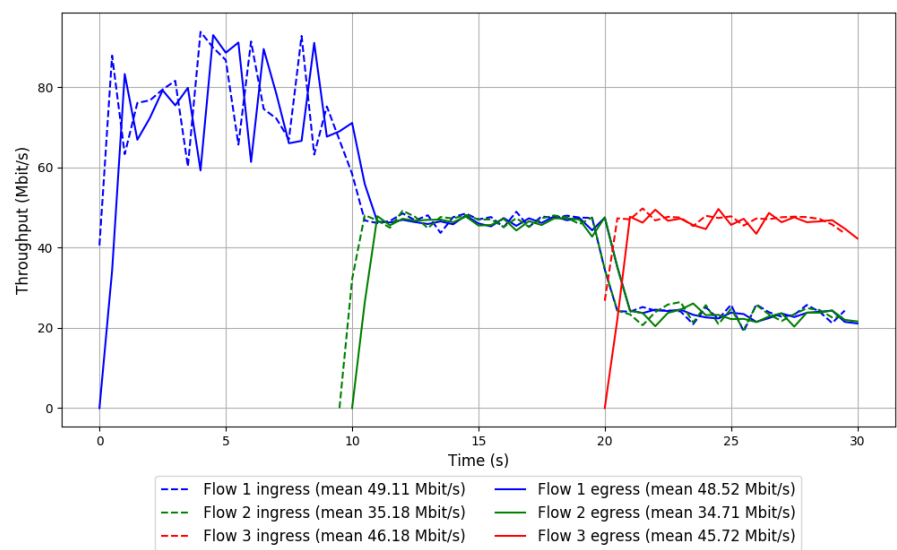
-- Flow 3:

Average throughput: 45.72 Mbit/s

95th percentile per-packet one-way delay: 60.430 ms

Loss rate: 1.70%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-30 16:54:35

End at: 2018-06-30 16:55:05

Local clock offset: 0.665 ms

Remote clock offset: 3.395 ms

Below is generated by plot.py at 2018-06-30 19:26:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 157.270 ms

Loss rate: 18.32%

-- Flow 1:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 156.103 ms

Loss rate: 11.87%

-- Flow 2:

Average throughput: 2.84 Mbit/s

95th percentile per-packet one-way delay: 158.318 ms

Loss rate: 28.87%

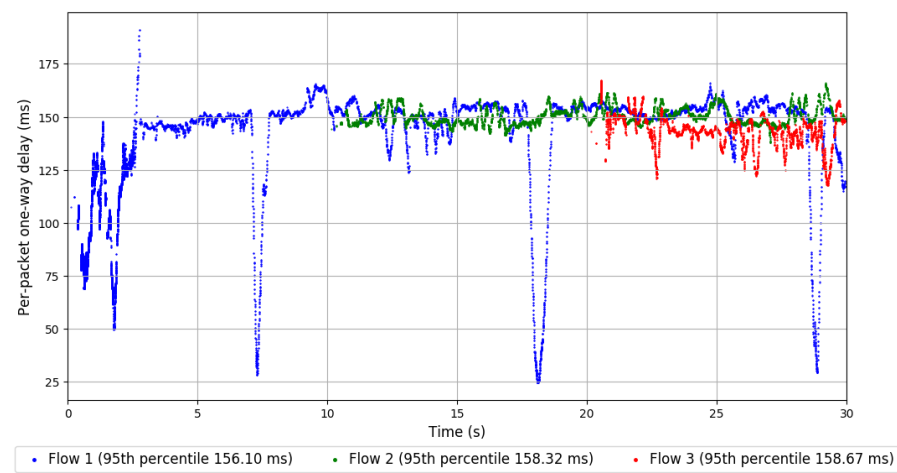
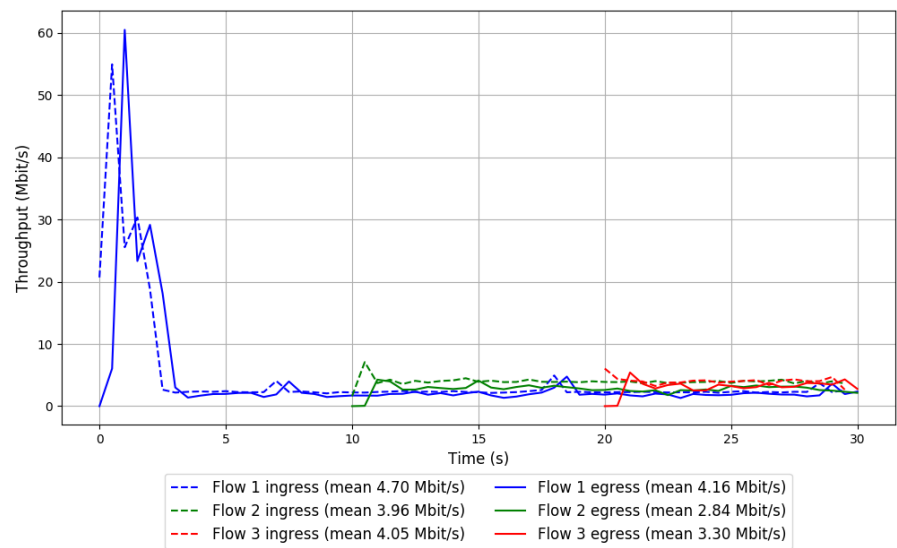
-- Flow 3:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 158.669 ms

Loss rate: 20.17%

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

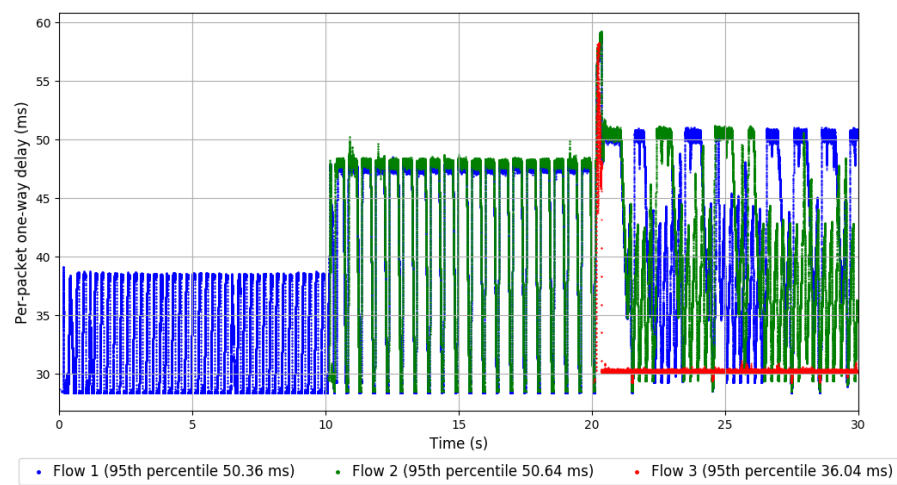
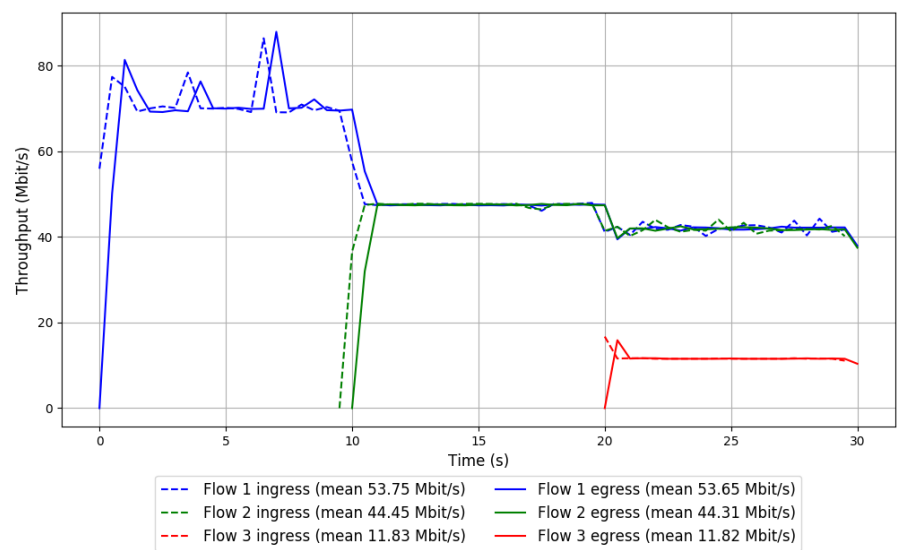


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 18:01:49
End at: 2018-06-30 18:02:19
Local clock offset: 0.366 ms
Remote clock offset: -1.072 ms

Below is generated by plot.py at 2018-06-30 19:26:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 50.460 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 53.65 Mbit/s
95th percentile per-packet one-way delay: 50.364 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 50.638 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 36.037 ms
Loss rate: 0.67%

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

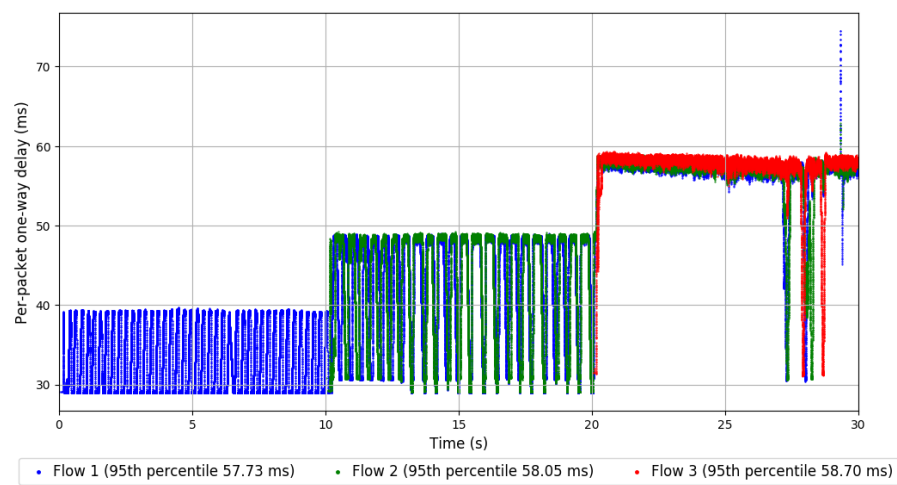
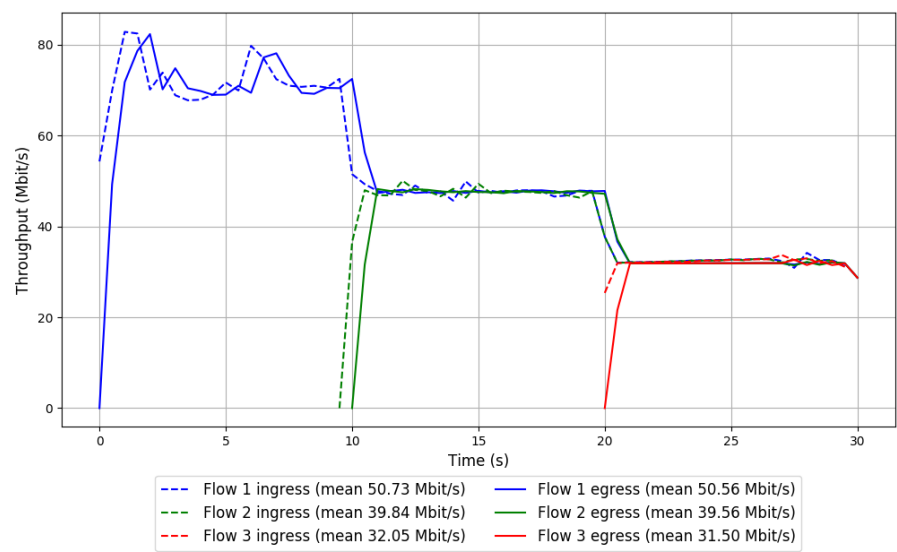


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 18:24:46
End at: 2018-06-30 18:25:16
Local clock offset: 2.491 ms
Remote clock offset: -1.703 ms

Below is generated by plot.py at 2018-06-30 19:26:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 58.220 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 50.56 Mbit/s
95th percentile per-packet one-way delay: 57.734 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 58.046 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 58.703 ms
Loss rate: 2.47%

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

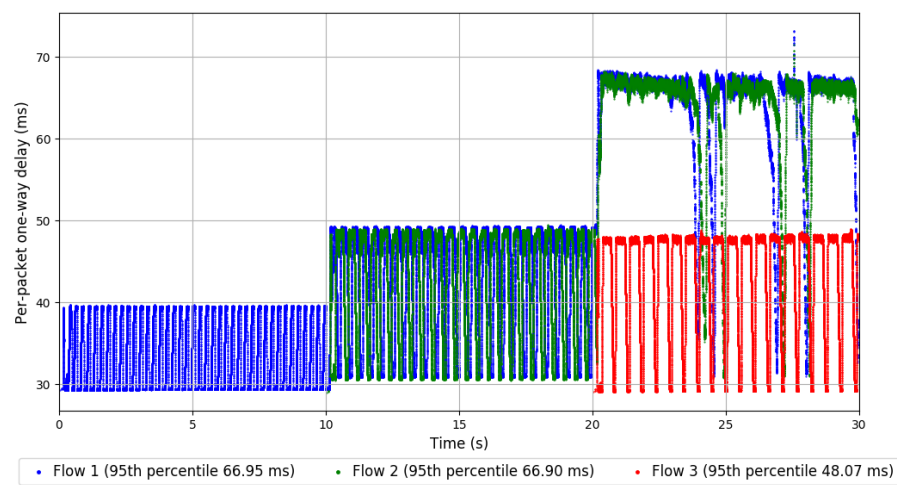
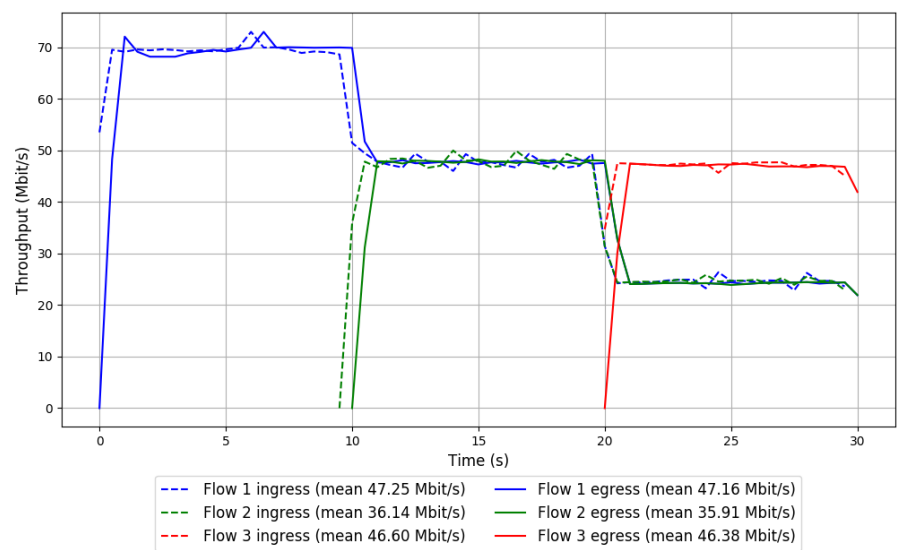


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 18:47:36
End at: 2018-06-30 18:48:06
Local clock offset: 3.276 ms
Remote clock offset: -0.871 ms

Below is generated by plot.py at 2018-06-30 19:27:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 66.825 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 66.947 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 66.896 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 48.066 ms
Loss rate: 1.17%

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

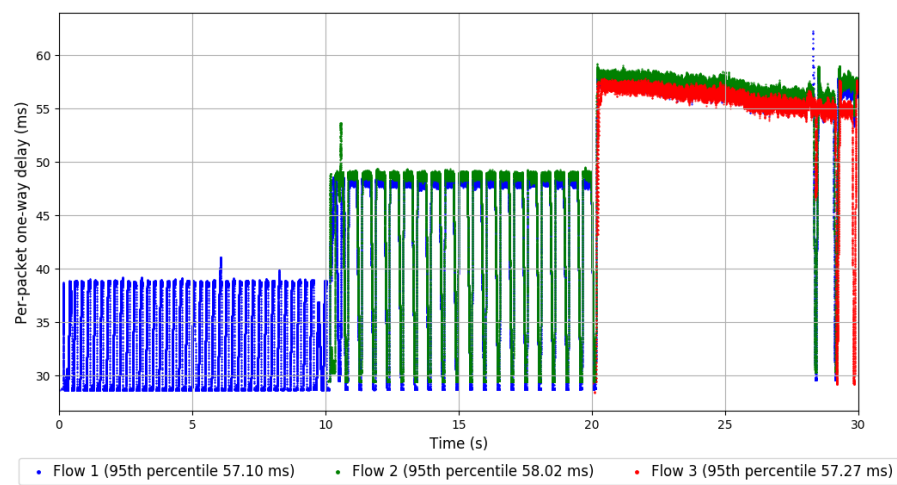
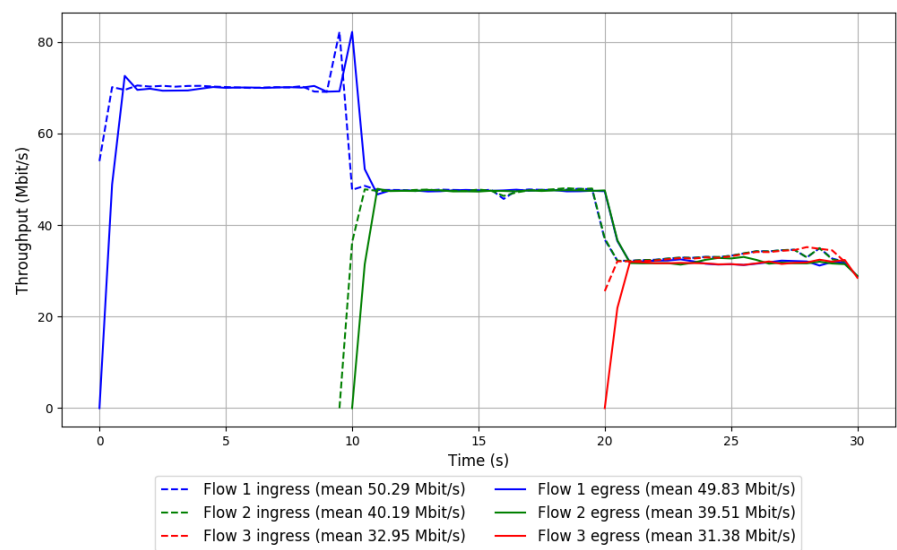


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 19:10:23
End at: 2018-06-30 19:10:53
Local clock offset: -0.144 ms
Remote clock offset: -1.214 ms

Below is generated by plot.py at 2018-06-30 19:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 57.559 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 57.103 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 58.016 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 57.268 ms
Loss rate: 5.46%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 14:15:50

End at: 2018-06-30 14:16:20

Local clock offset: -0.058 ms

Remote clock offset: 3.478 ms

Below is generated by plot.py at 2018-06-30 19:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.85 Mbit/s

95th percentile per-packet one-way delay: 42.991 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 39.829 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 5.43 Mbit/s

95th percentile per-packet one-way delay: 50.902 ms

Loss rate: 1.33%

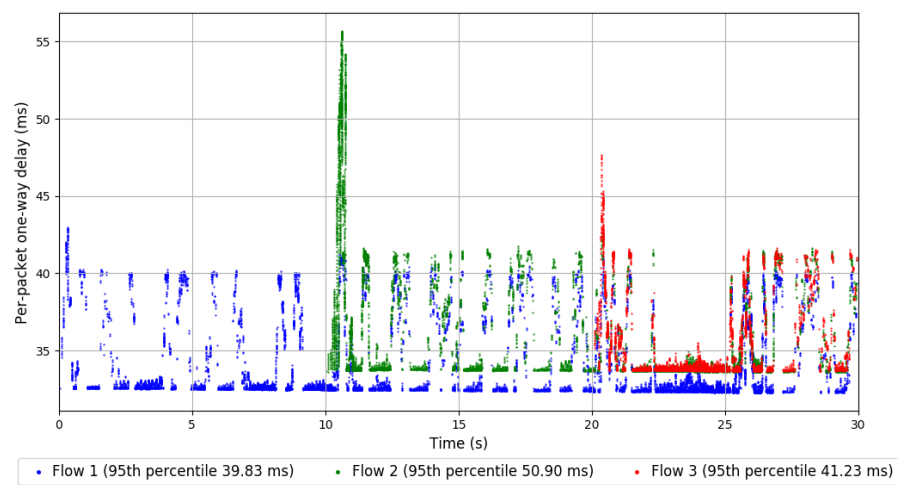
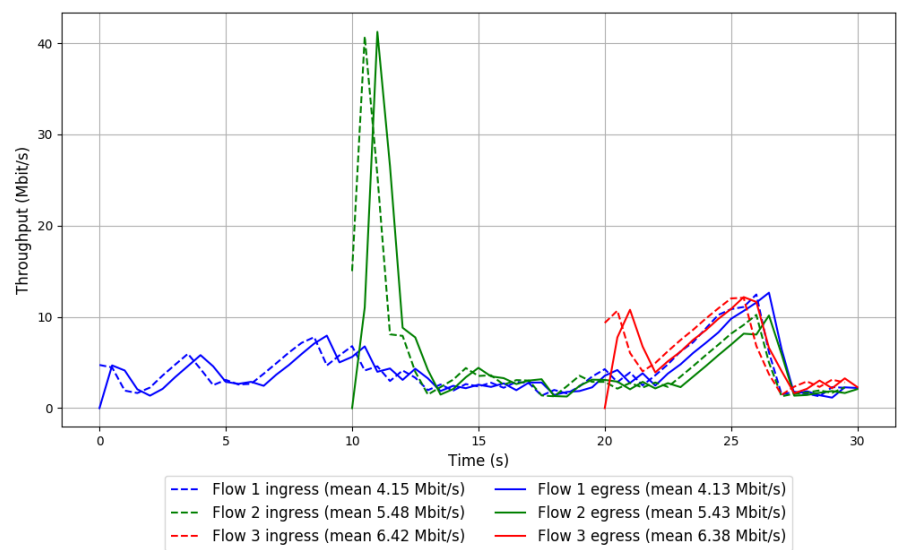
-- Flow 3:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 41.227 ms

Loss rate: 1.22%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 14:43:11

End at: 2018-06-30 14:43:41

Local clock offset: 4.164 ms

Remote clock offset: 3.725 ms

Below is generated by plot.py at 2018-06-30 19:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.52 Mbit/s

95th percentile per-packet one-way delay: 51.153 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 50.205 ms

Loss rate: 1.51%

-- Flow 2:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 52.125 ms

Loss rate: 1.75%

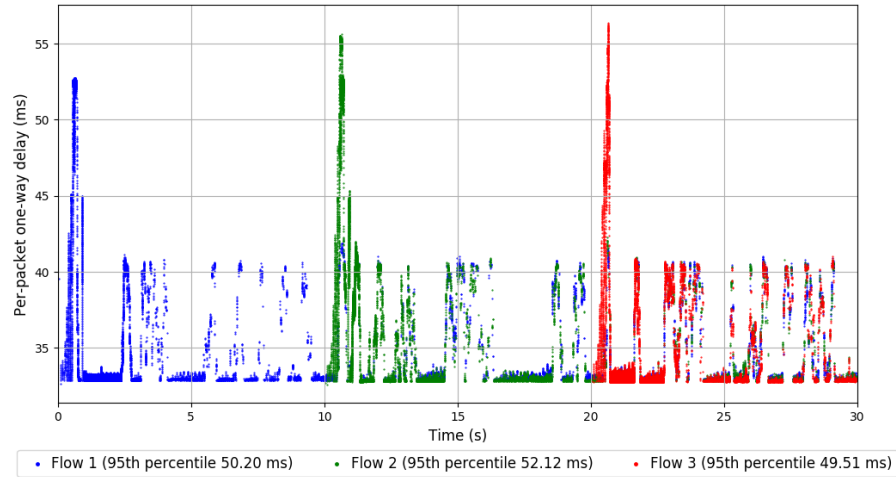
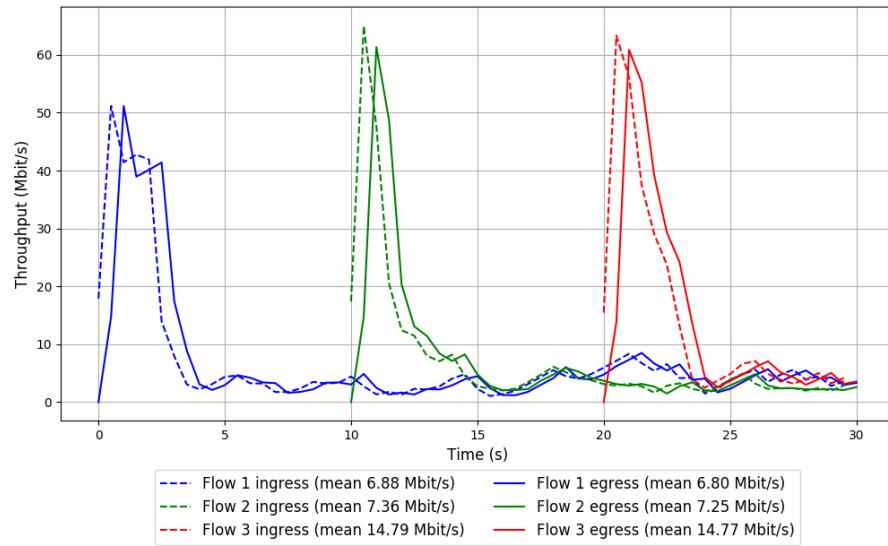
-- Flow 3:

Average throughput: 14.77 Mbit/s

95th percentile per-packet one-way delay: 49.507 ms

Loss rate: 0.83%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 15:10:55

End at: 2018-06-30 15:11:25

Local clock offset: 0.339 ms

Remote clock offset: 2.659 ms

Below is generated by plot.py at 2018-06-30 19:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 42.090 ms

Loss rate: 2.69%

-- Flow 1:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 43.292 ms

Loss rate: 2.86%

-- Flow 2:

Average throughput: 2.72 Mbit/s

95th percentile per-packet one-way delay: 42.608 ms

Loss rate: 2.74%

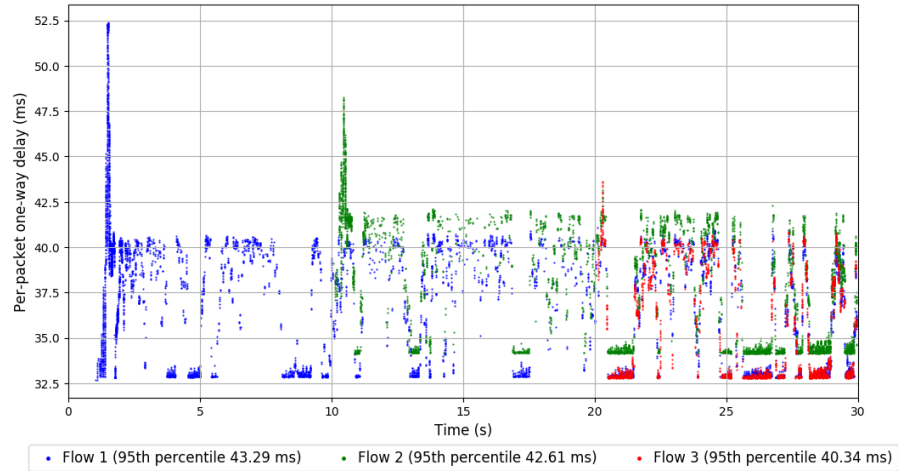
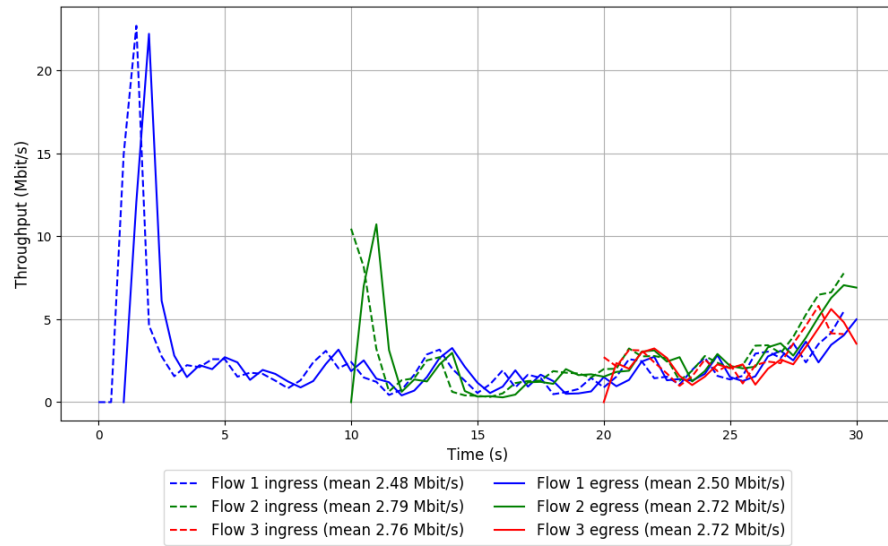
-- Flow 3:

Average throughput: 2.72 Mbit/s

95th percentile per-packet one-way delay: 40.345 ms

Loss rate: 2.14%

Run 3: Report of TCP Vegas — Data Link

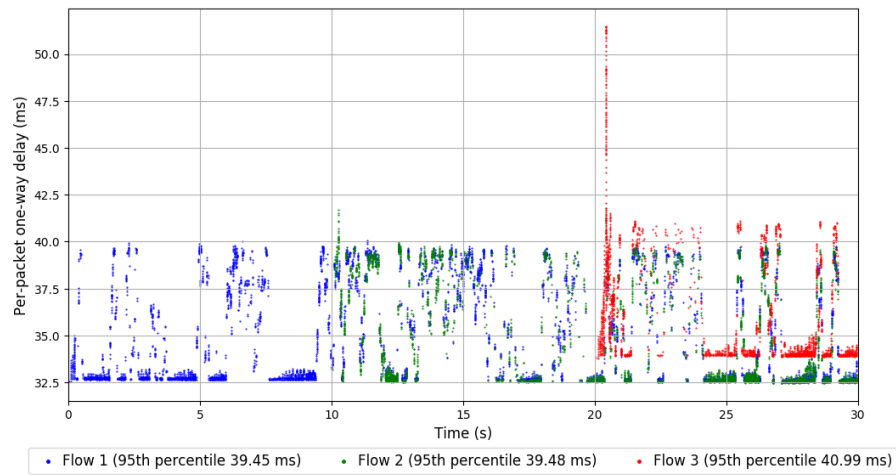
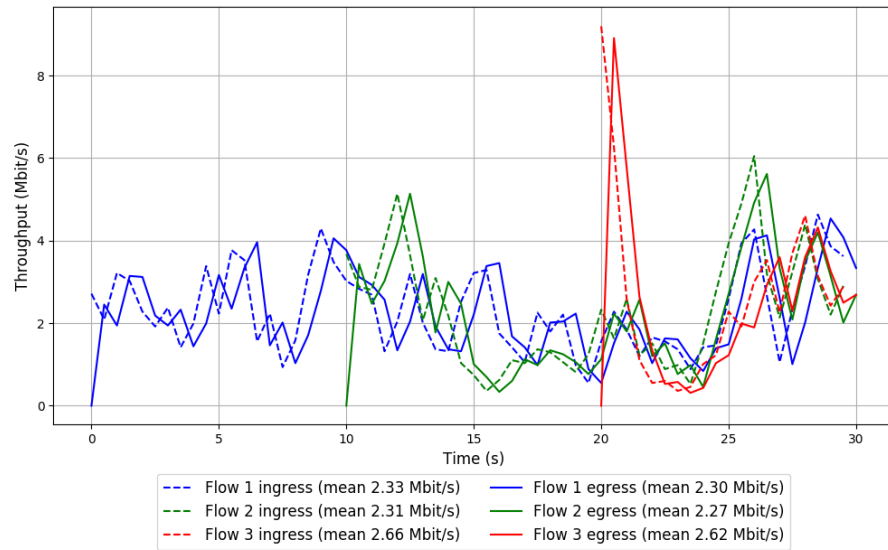


Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 15:39:47
End at: 2018-06-30 15:40:17
Local clock offset: 4.414 ms
Remote clock offset: -1.674 ms

Below is generated by plot.py at 2018-06-30 19:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 39.627 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 39.446 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 39.480 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 40.989 ms
Loss rate: 2.31%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-30 16:07:25

End at: 2018-06-30 16:07:55

Local clock offset: 1.0 ms

Remote clock offset: 1.812 ms

Below is generated by plot.py at 2018-06-30 19:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 41.508 ms

Loss rate: 1.59%

-- Flow 1:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 42.524 ms

Loss rate: 1.74%

-- Flow 2:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 41.283 ms

Loss rate: 1.24%

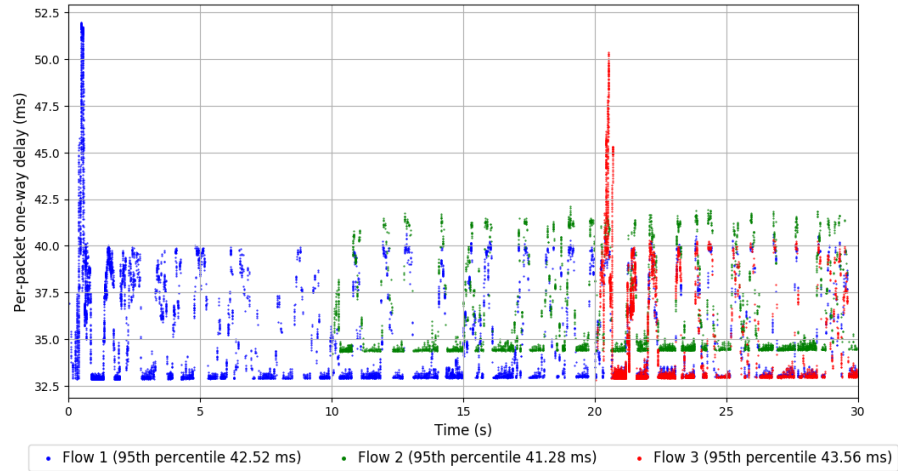
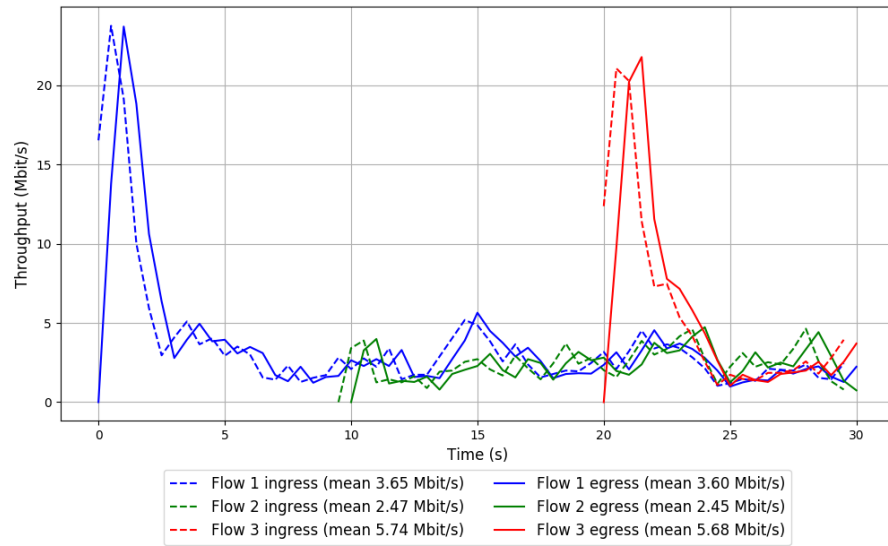
-- Flow 3:

Average throughput: 5.68 Mbit/s

95th percentile per-packet one-way delay: 43.560 ms

Loss rate: 1.62%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-30 16:35:09

End at: 2018-06-30 16:35:39

Local clock offset: 0.606 ms

Remote clock offset: 3.774 ms

Below is generated by plot.py at 2018-06-30 19:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.65 Mbit/s

95th percentile per-packet one-way delay: 44.066 ms

Loss rate: 2.15%

-- Flow 1:

Average throughput: 4.99 Mbit/s

95th percentile per-packet one-way delay: 46.972 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 3.75 Mbit/s

95th percentile per-packet one-way delay: 41.840 ms

Loss rate: 2.92%

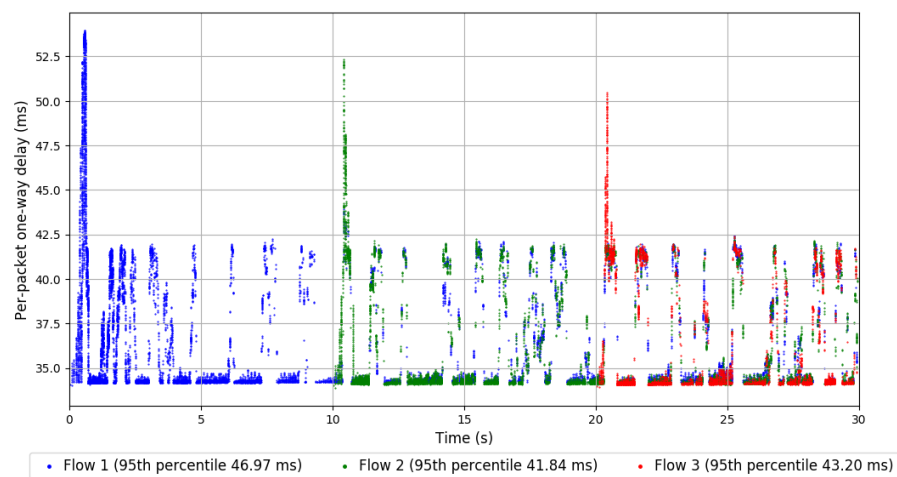
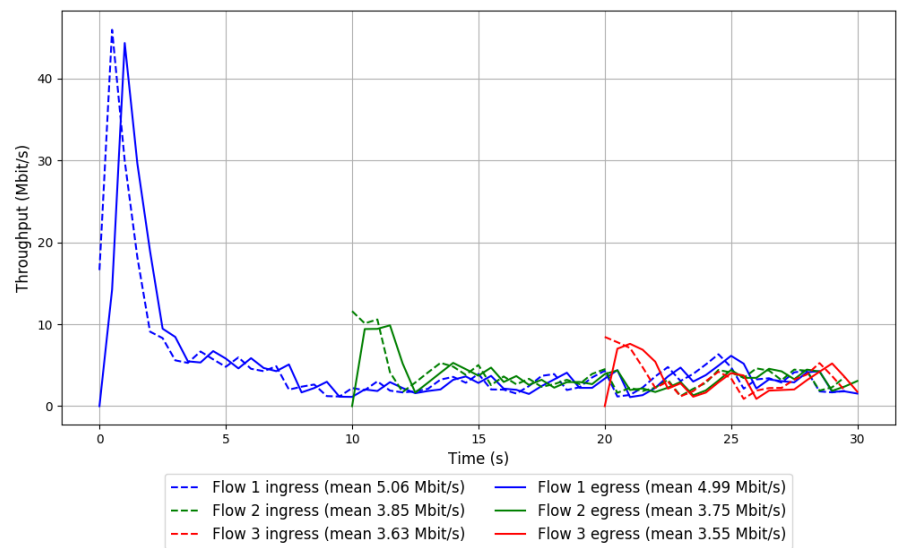
-- Flow 3:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 43.199 ms

Loss rate: 3.03%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-30 17:29:45

End at: 2018-06-30 17:30:15

Local clock offset: 0.431 ms

Remote clock offset: 2.049 ms

Below is generated by plot.py at 2018-06-30 19:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 154.810 ms

Loss rate: 39.19%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 149.102 ms

Loss rate: 39.66%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 154.046 ms

Loss rate: 35.50%

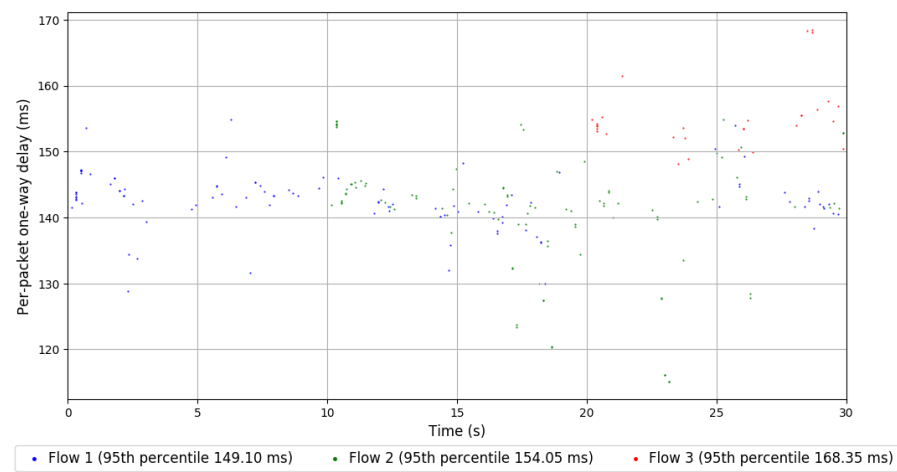
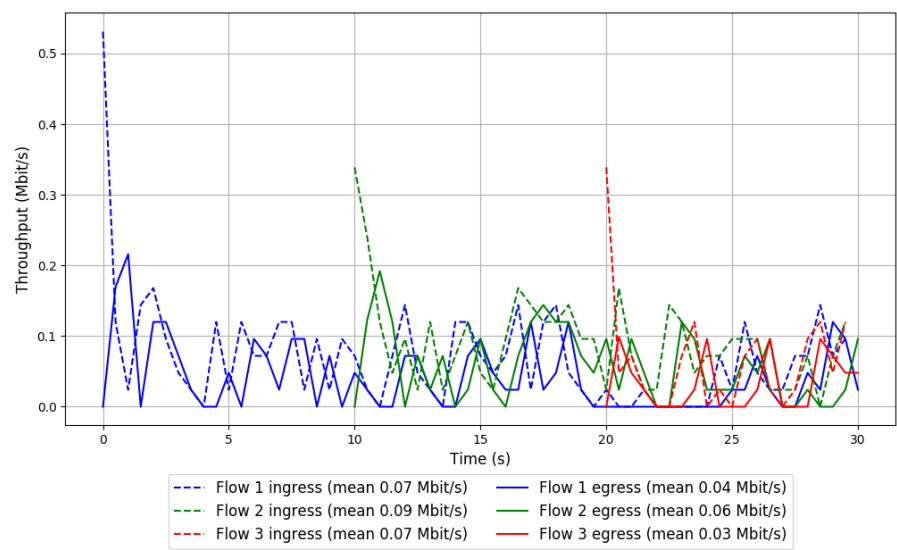
-- Flow 3:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 168.354 ms

Loss rate: 48.04%

Run 7: Report of TCP Vegas — Data Link

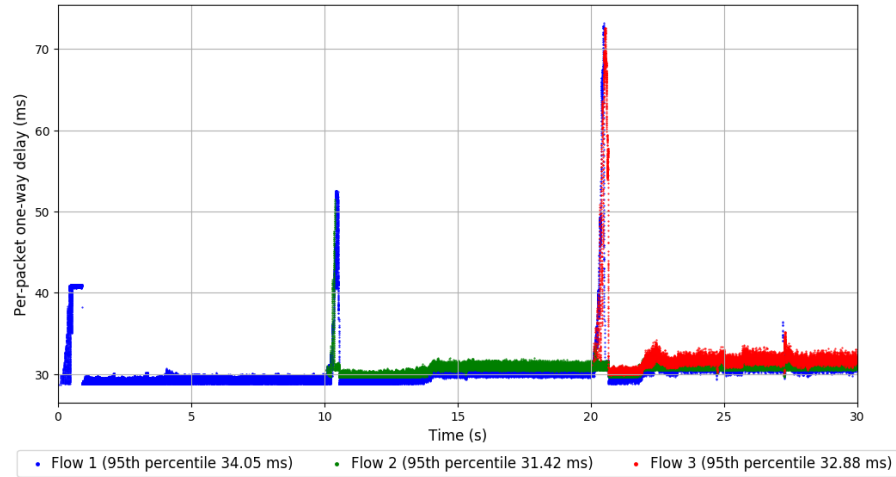
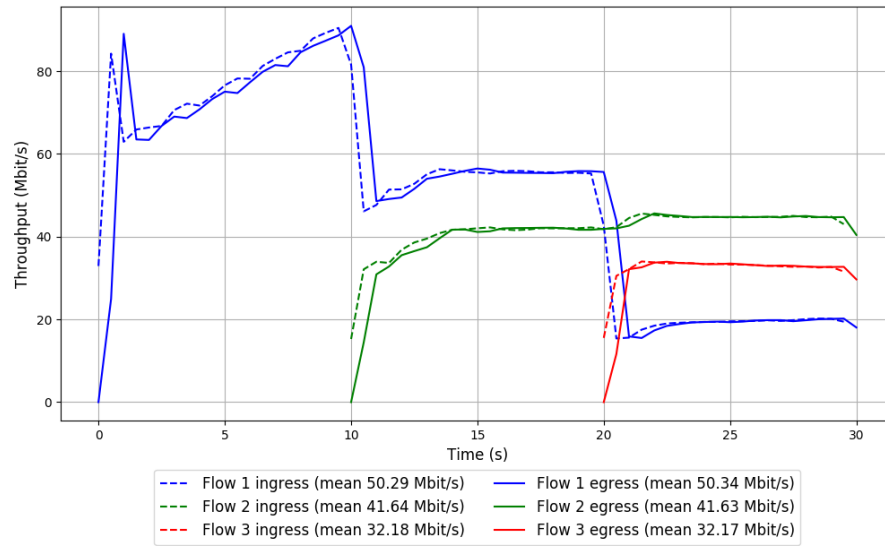


Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 18:08:44
End at: 2018-06-30 18:09:14
Local clock offset: 0.403 ms
Remote clock offset: -1.125 ms

Below is generated by plot.py at 2018-06-30 19:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.69 Mbit/s
95th percentile per-packet one-way delay: 32.192 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 34.048 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 41.63 Mbit/s
95th percentile per-packet one-way delay: 31.422 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 32.879 ms
Loss rate: 0.64%

Run 8: Report of TCP Vegas — Data Link

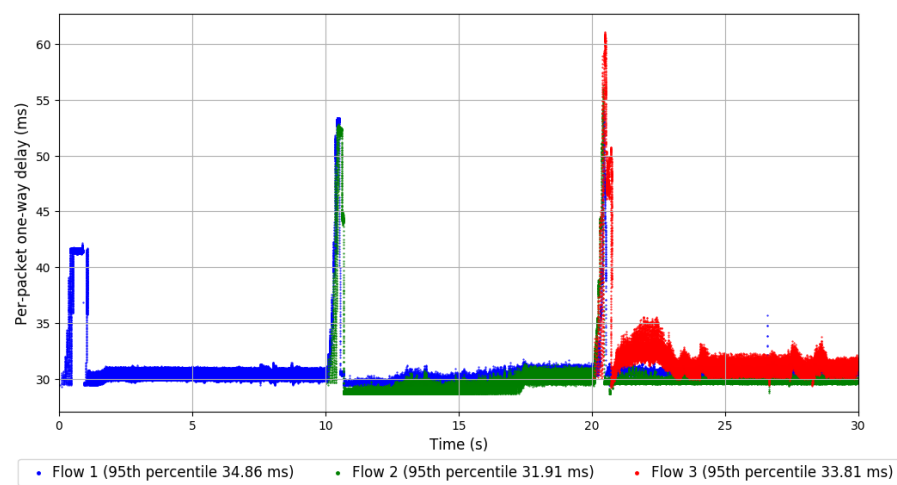
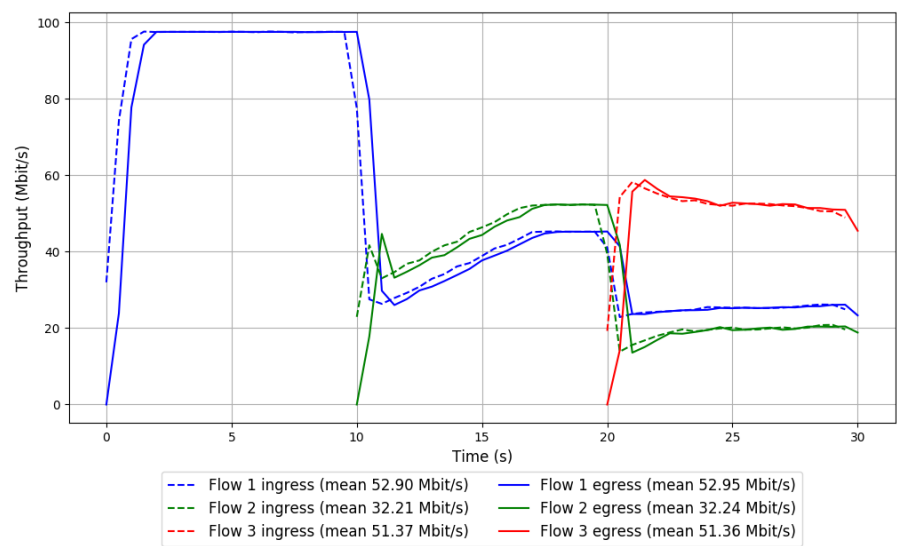


Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 18:31:37
End at: 2018-06-30 18:32:07
Local clock offset: 3.248 ms
Remote clock offset: -1.483 ms

Below is generated by plot.py at 2018-06-30 19:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 33.632 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 34.863 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 31.911 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 33.809 ms
Loss rate: 0.61%

Run 9: Report of TCP Vegas — Data Link

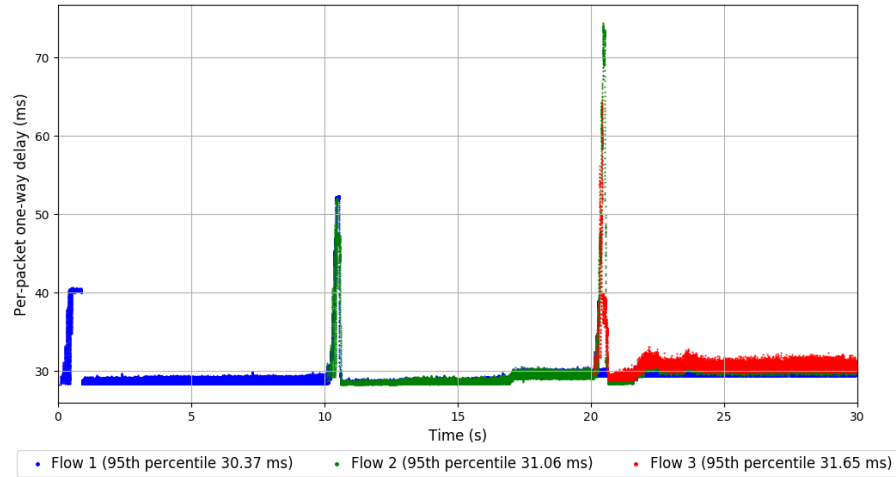
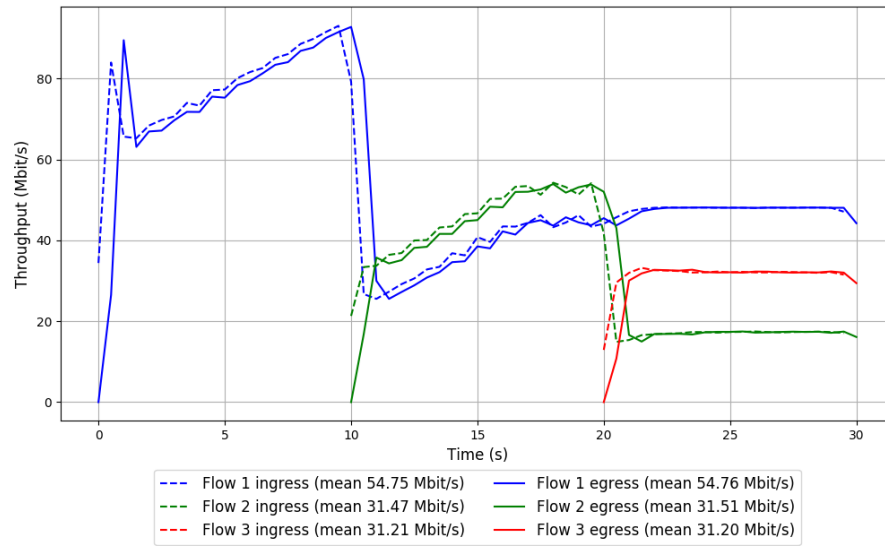


Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 18:54:25
End at: 2018-06-30 18:54:55
Local clock offset: 1.398 ms
Remote clock offset: -1.348 ms

Below is generated by plot.py at 2018-06-30 19:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.05 Mbit/s
95th percentile per-packet one-way delay: 31.310 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 54.76 Mbit/s
95th percentile per-packet one-way delay: 30.372 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 31.059 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 31.651 ms
Loss rate: 0.64%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-30 14:26:37

End at: 2018-06-30 14:27:07

Local clock offset: 2.819 ms

Remote clock offset: 2.721 ms

Below is generated by plot.py at 2018-06-30 19:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.34 Mbit/s

95th percentile per-packet one-way delay: 64.927 ms

Loss rate: 2.26%

-- Flow 1:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 64.989 ms

Loss rate: 2.14%

-- Flow 2:

Average throughput: 39.64 Mbit/s

95th percentile per-packet one-way delay: 63.469 ms

Loss rate: 2.48%

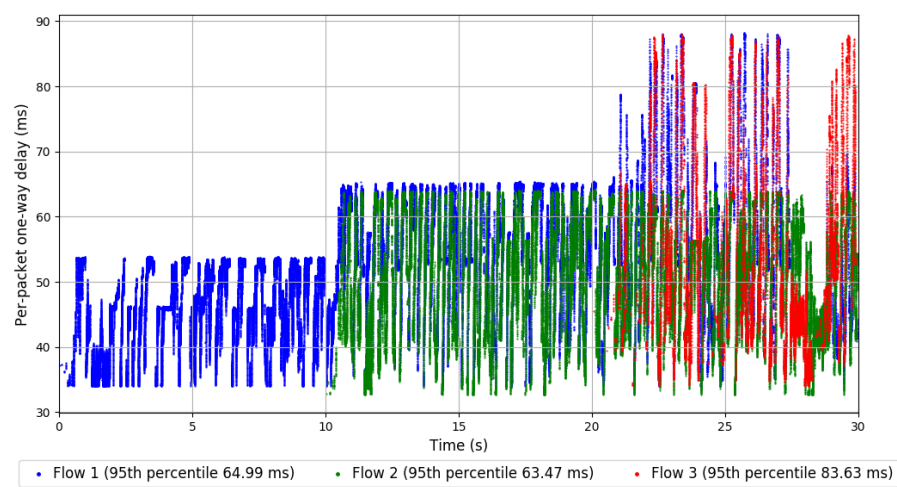
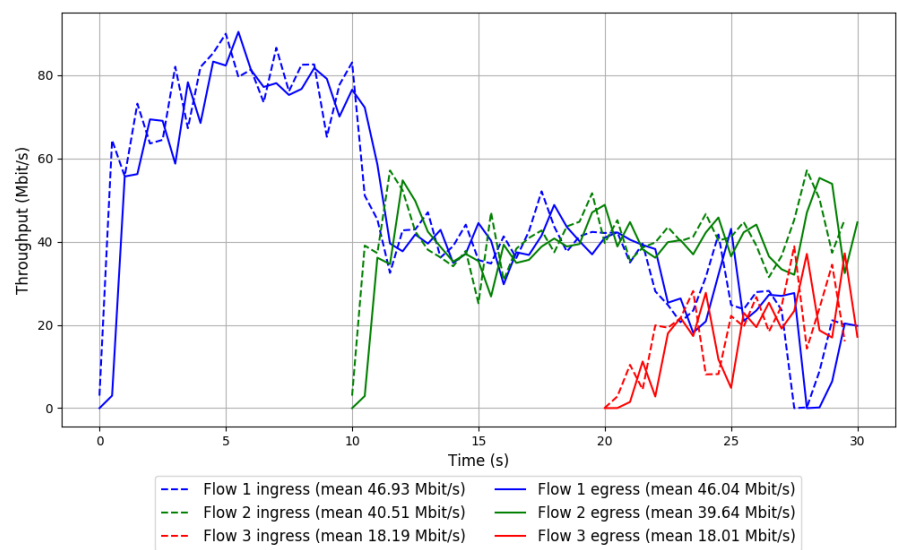
-- Flow 3:

Average throughput: 18.01 Mbit/s

95th percentile per-packet one-way delay: 83.628 ms

Loss rate: 2.25%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-30 14:54:22

End at: 2018-06-30 14:54:52

Local clock offset: 1.853 ms

Remote clock offset: 2.862 ms

Below is generated by plot.py at 2018-06-30 19:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.90 Mbit/s

95th percentile per-packet one-way delay: 70.098 ms

Loss rate: 3.15%

-- Flow 1:

Average throughput: 45.23 Mbit/s

95th percentile per-packet one-way delay: 66.974 ms

Loss rate: 2.95%

-- Flow 2:

Average throughput: 30.16 Mbit/s

95th percentile per-packet one-way delay: 77.786 ms

Loss rate: 3.48%

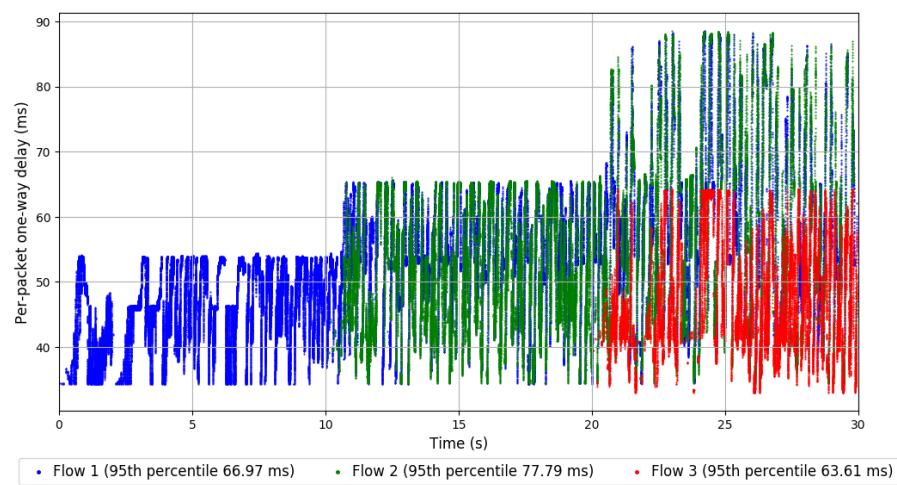
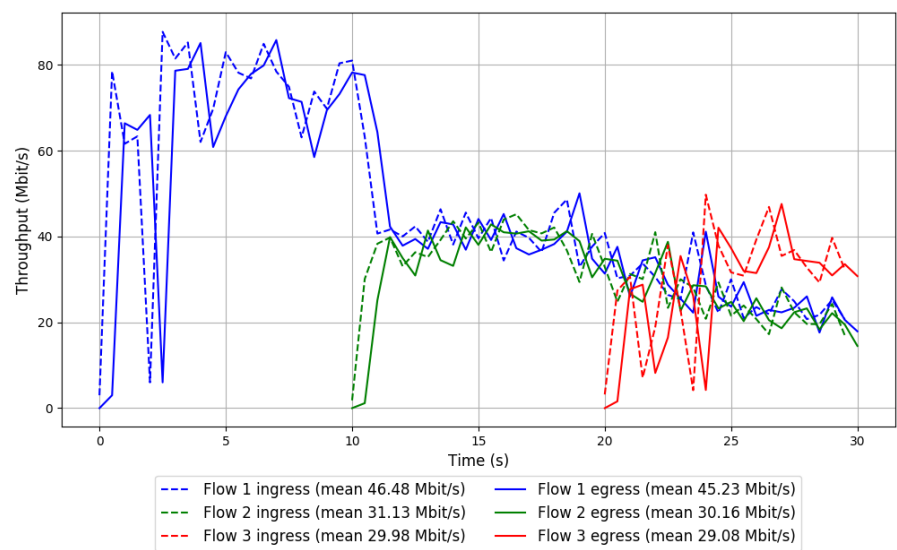
-- Flow 3:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 63.607 ms

Loss rate: 3.42%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-30 15:22:49

End at: 2018-06-30 15:23:19

Local clock offset: 2.56 ms

Remote clock offset: 0.864 ms

Below is generated by plot.py at 2018-06-30 19:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.11 Mbit/s

95th percentile per-packet one-way delay: 69.041 ms

Loss rate: 4.29%

-- Flow 1:

Average throughput: 41.53 Mbit/s

95th percentile per-packet one-way delay: 63.252 ms

Loss rate: 4.34%

-- Flow 2:

Average throughput: 28.80 Mbit/s

95th percentile per-packet one-way delay: 77.735 ms

Loss rate: 3.92%

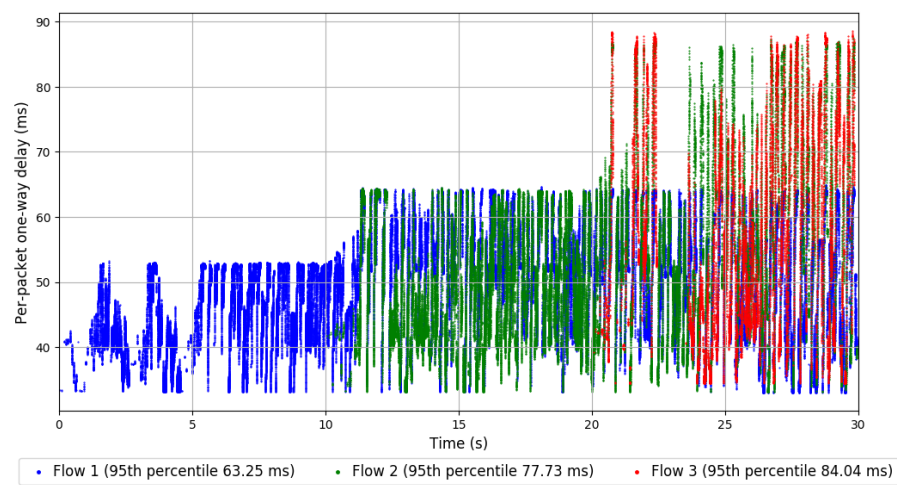
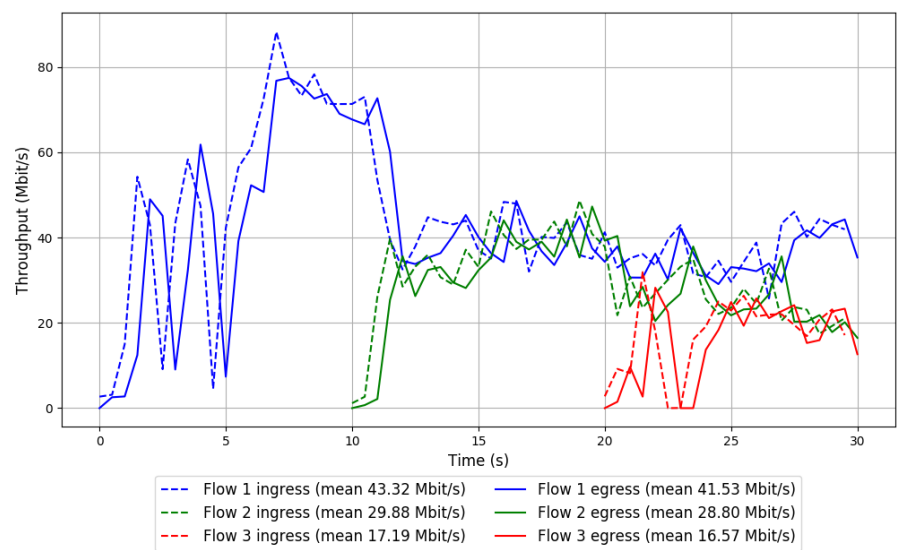
-- Flow 3:

Average throughput: 16.57 Mbit/s

95th percentile per-packet one-way delay: 84.044 ms

Loss rate: 5.28%

Run 3: Report of Verus — Data Link

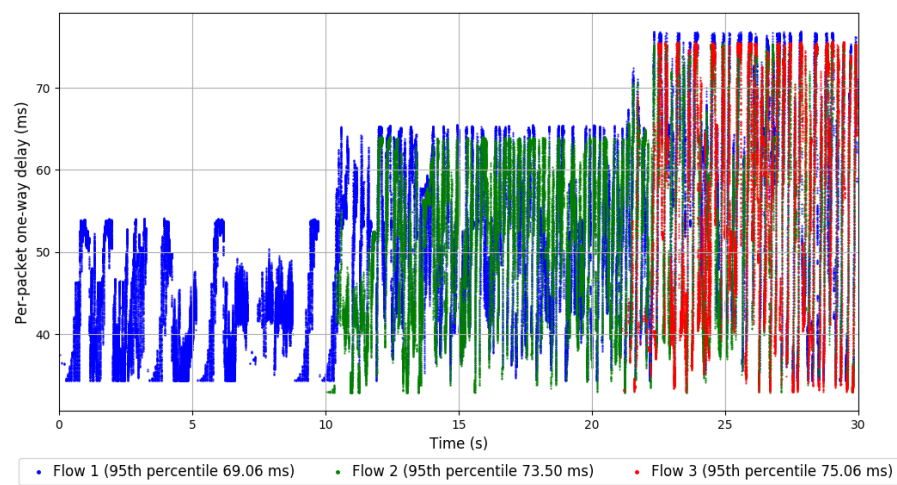
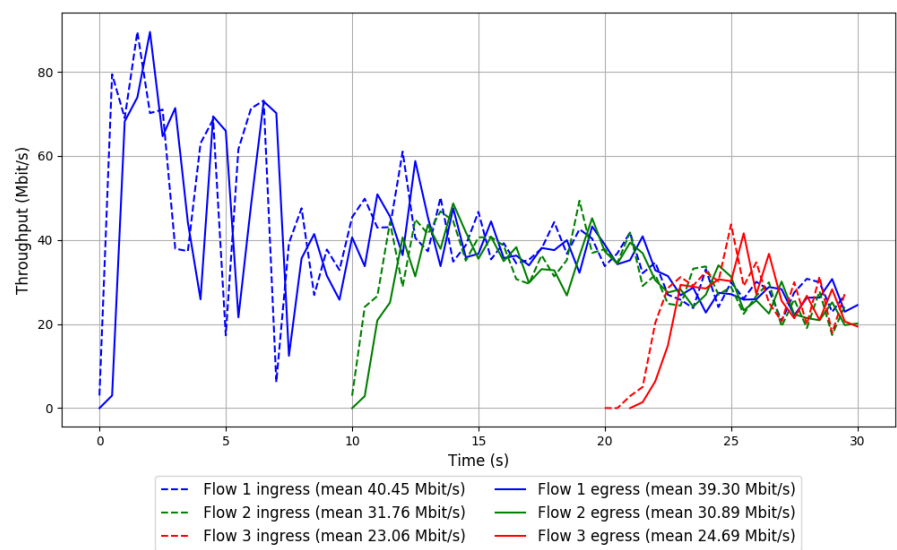


Run 4: Statistics of Verus

Start at: 2018-06-30 15:51:19
End at: 2018-06-30 15:51:49
Local clock offset: 2.873 ms
Remote clock offset: -3.541 ms

Below is generated by plot.py at 2018-06-30 19:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.16 Mbit/s
95th percentile per-packet one-way delay: 73.507 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 69.060 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 30.89 Mbit/s
95th percentile per-packet one-way delay: 73.500 ms
Loss rate: 3.22%
-- Flow 3:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 75.057 ms
Loss rate: 4.48%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-30 16:19:17

End at: 2018-06-30 16:19:47

Local clock offset: 0.756 ms

Remote clock offset: 3.132 ms

Below is generated by plot.py at 2018-06-30 19:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.96 Mbit/s

95th percentile per-packet one-way delay: 68.626 ms

Loss rate: 3.11%

-- Flow 1:

Average throughput: 43.43 Mbit/s

95th percentile per-packet one-way delay: 62.546 ms

Loss rate: 3.00%

-- Flow 2:

Average throughput: 25.73 Mbit/s

95th percentile per-packet one-way delay: 78.168 ms

Loss rate: 2.92%

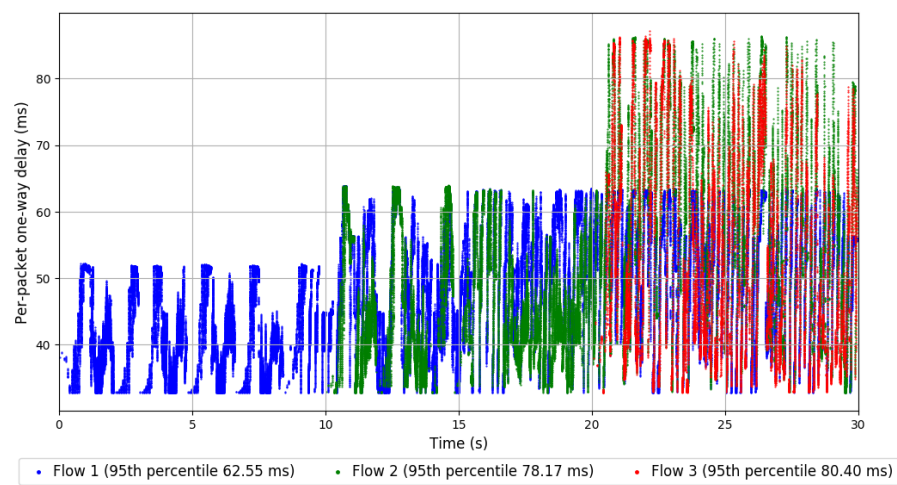
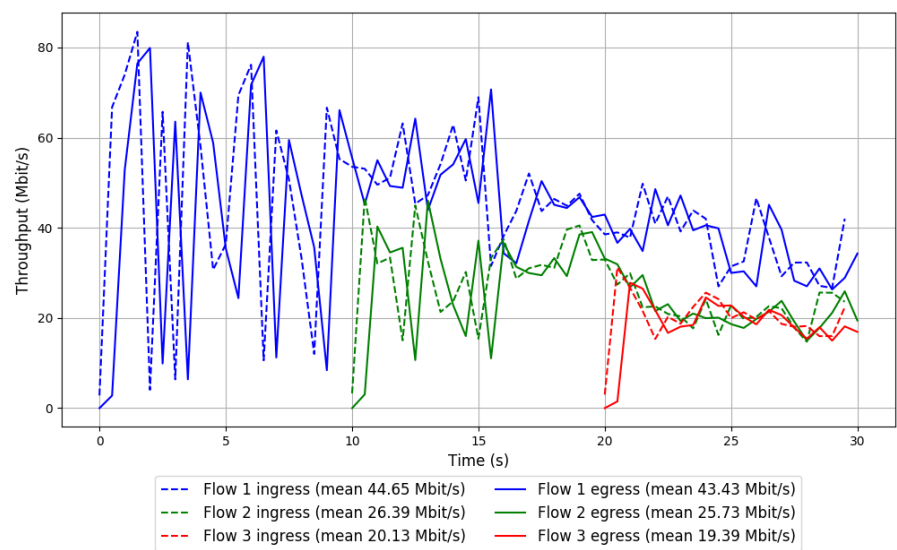
-- Flow 3:

Average throughput: 19.39 Mbit/s

95th percentile per-packet one-way delay: 80.397 ms

Loss rate: 4.36%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-30 16:46:02

End at: 2018-06-30 16:46:32

Local clock offset: 0.45 ms

Remote clock offset: 3.937 ms

Below is generated by plot.py at 2018-06-30 19:28:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.80 Mbit/s

95th percentile per-packet one-way delay: 68.722 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 45.40 Mbit/s

95th percentile per-packet one-way delay: 68.741 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 43.34 Mbit/s

95th percentile per-packet one-way delay: 64.478 ms

Loss rate: 1.55%

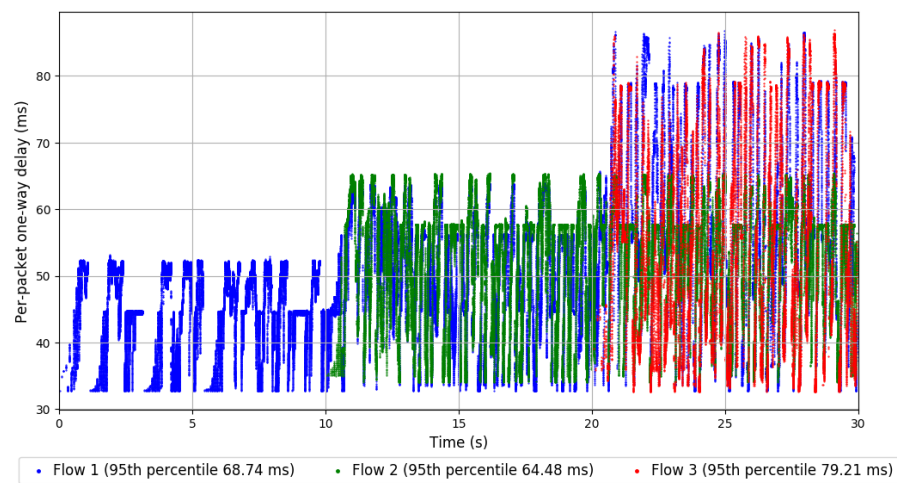
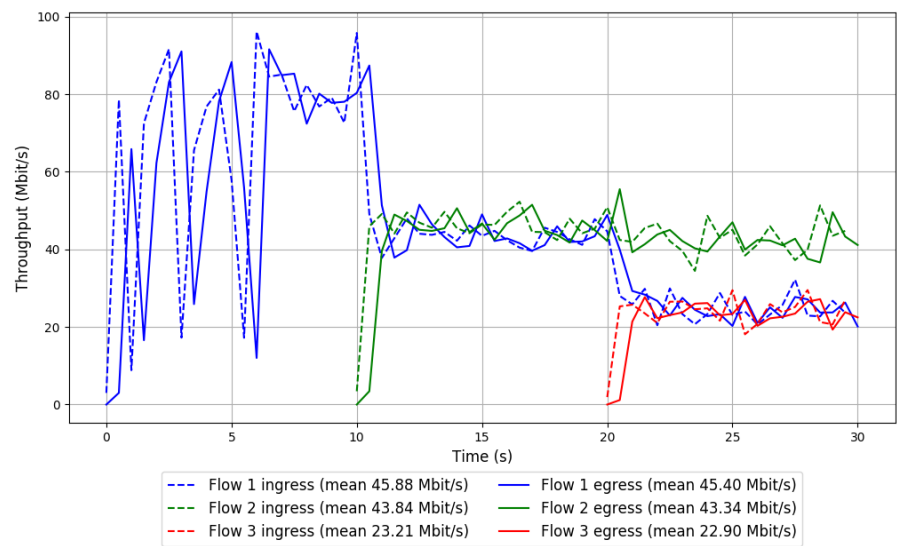
-- Flow 3:

Average throughput: 22.90 Mbit/s

95th percentile per-packet one-way delay: 79.212 ms

Loss rate: 2.27%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-30 17:48:48

End at: 2018-06-30 17:49:18

Local clock offset: 0.481 ms

Remote clock offset: 3.306 ms

Below is generated by plot.py at 2018-06-30 19:28:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.71 Mbit/s

95th percentile per-packet one-way delay: 161.967 ms

Loss rate: 49.80%

-- Flow 1:

Average throughput: 5.62 Mbit/s

95th percentile per-packet one-way delay: 162.009 ms

Loss rate: 49.90%

-- Flow 2:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 148.840 ms

Loss rate: 47.64%

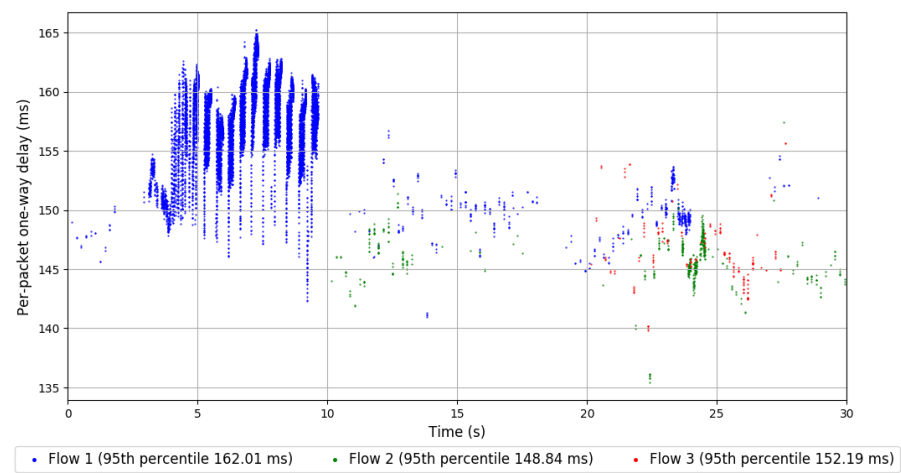
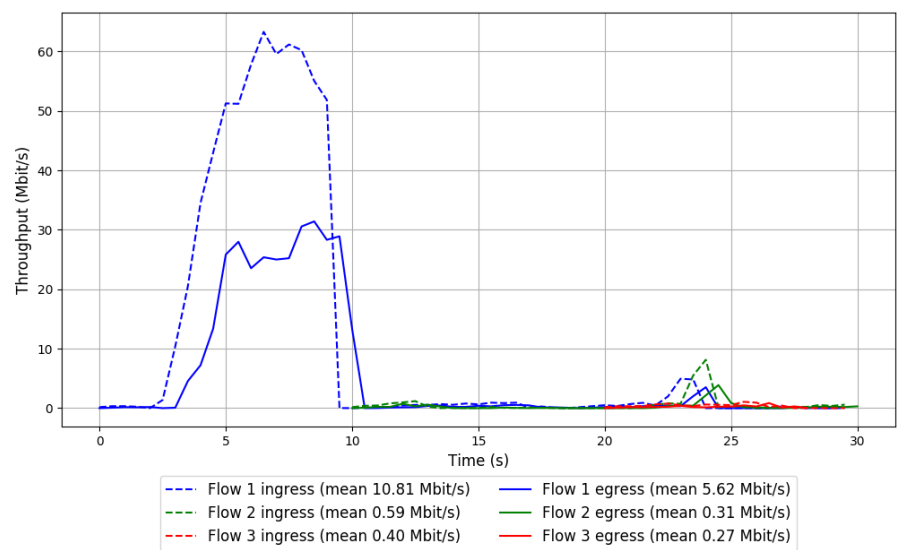
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 152.188 ms

Loss rate: 47.42%

Run 7: Report of Verus — Data Link

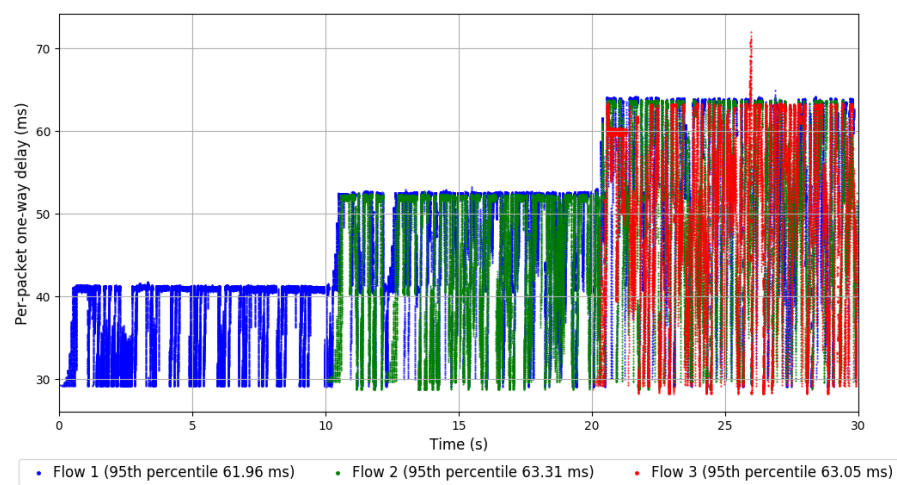
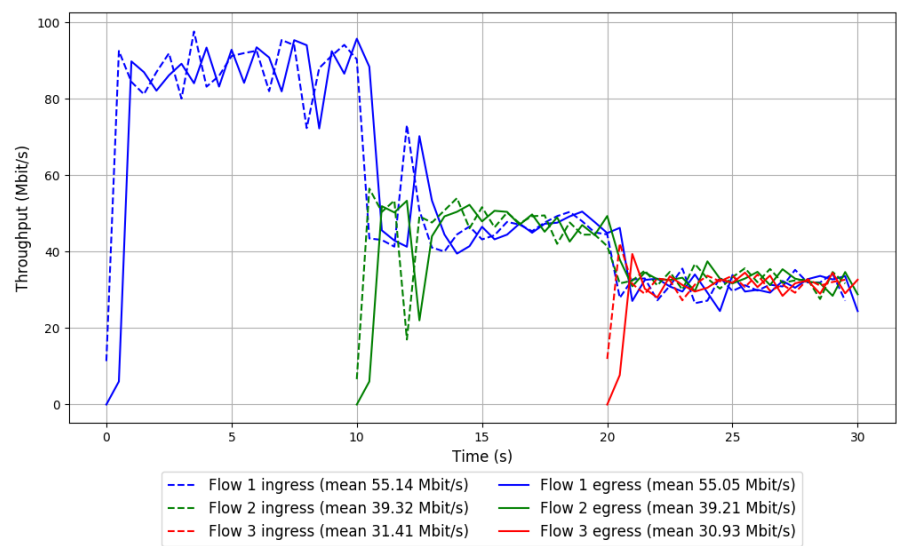


Run 8: Statistics of Verus

Start at: 2018-06-30 18:18:08
End at: 2018-06-30 18:18:38
Local clock offset: 1.177 ms
Remote clock offset: -1.163 ms

Below is generated by plot.py at 2018-06-30 19:29:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 63.088 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 61.958 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 63.312 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 63.055 ms
Loss rate: 1.68%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-30 18:41:00

End at: 2018-06-30 18:41:30

Local clock offset: 3.818 ms

Remote clock offset: -1.25 ms

Below is generated by plot.py at 2018-06-30 19:29:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.54 Mbit/s

95th percentile per-packet one-way delay: 65.449 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 62.401 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 46.24 Mbit/s

95th percentile per-packet one-way delay: 52.476 ms

Loss rate: 0.54%

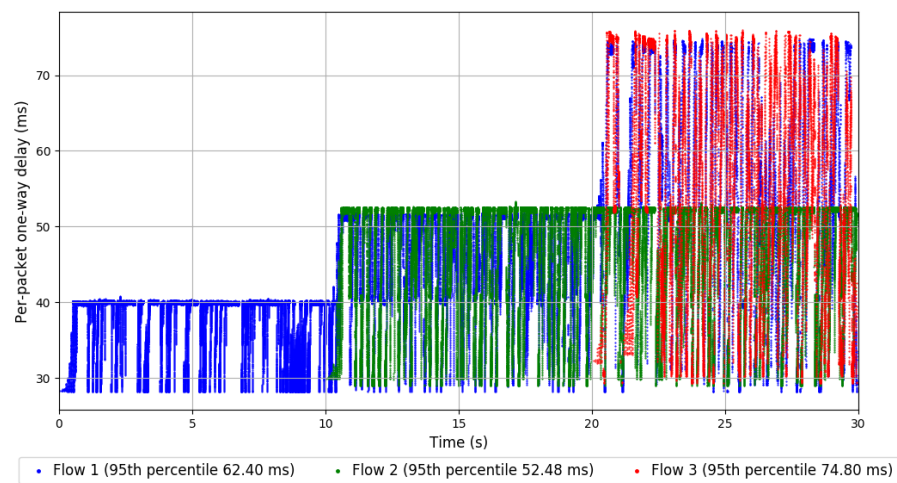
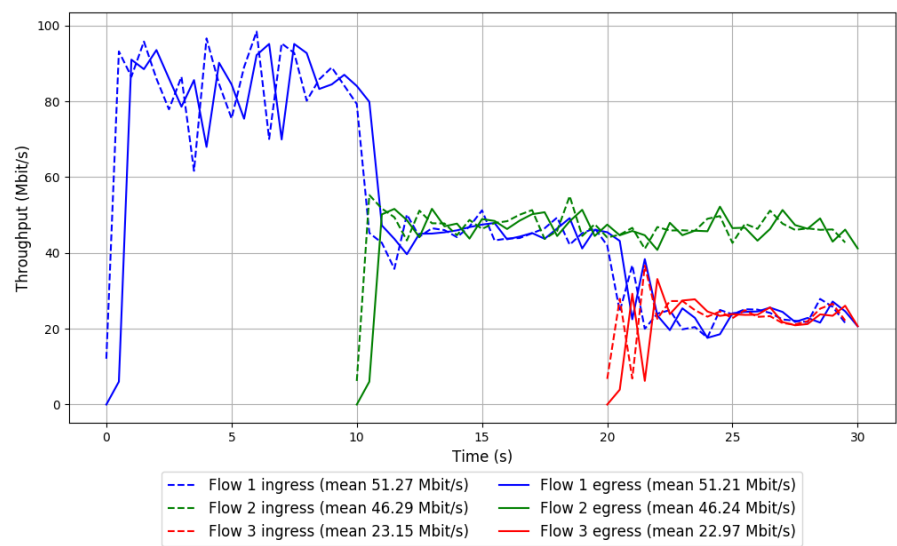
-- Flow 3:

Average throughput: 22.97 Mbit/s

95th percentile per-packet one-way delay: 74.798 ms

Loss rate: 1.42%

Run 9: Report of Verus — Data Link

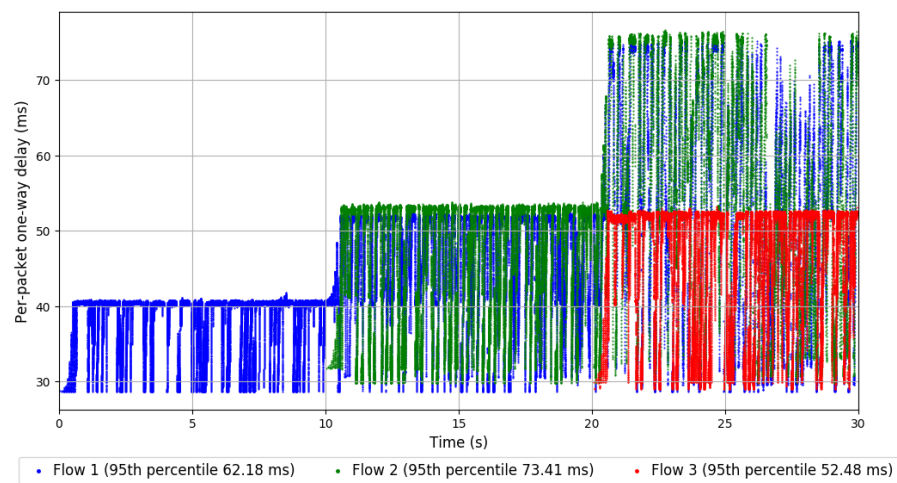
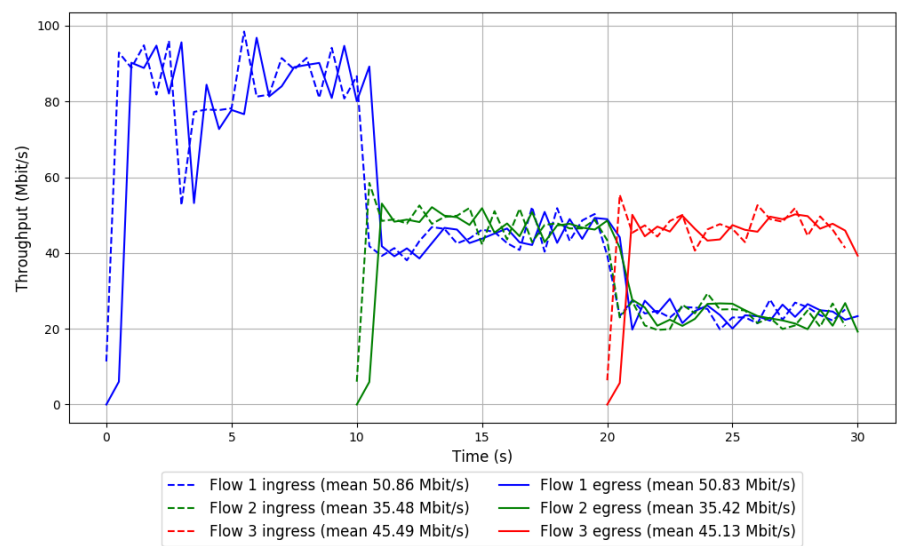


Run 10: Statistics of Verus

Start at: 2018-06-30 19:03:48
End at: 2018-06-30 19:04:18
Local clock offset: 0.269 ms
Remote clock offset: -1.401 ms

Below is generated by plot.py at 2018-06-30 19:29:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 64.953 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 62.178 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 73.410 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 45.13 Mbit/s
95th percentile per-packet one-way delay: 52.476 ms
Loss rate: 1.28%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 14:14:13

End at: 2018-06-30 14:14:43

Local clock offset: -0.093 ms

Remote clock offset: 3.932 ms

Below is generated by plot.py at 2018-06-30 19:29:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.82 Mbit/s

95th percentile per-packet one-way delay: 62.121 ms

Loss rate: 2.28%

-- Flow 1:

Average throughput: 27.99 Mbit/s

95th percentile per-packet one-way delay: 61.679 ms

Loss rate: 2.23%

-- Flow 2:

Average throughput: 25.71 Mbit/s

95th percentile per-packet one-way delay: 62.730 ms

Loss rate: 2.33%

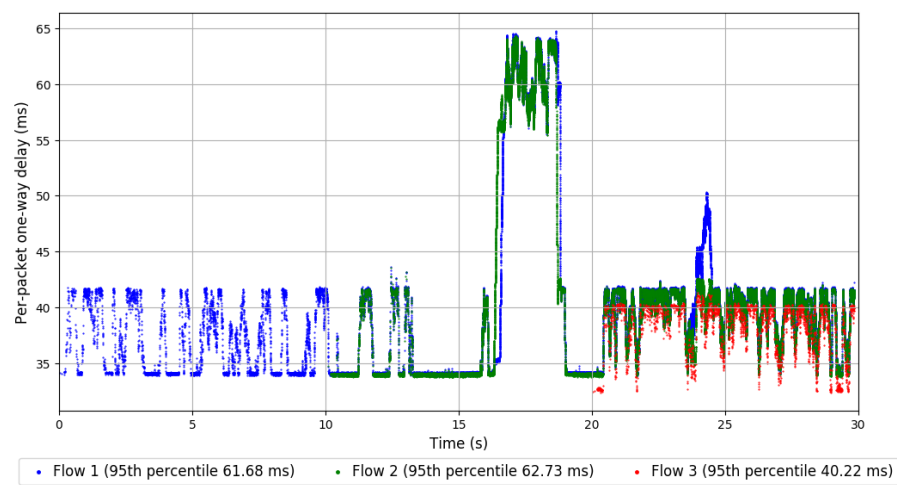
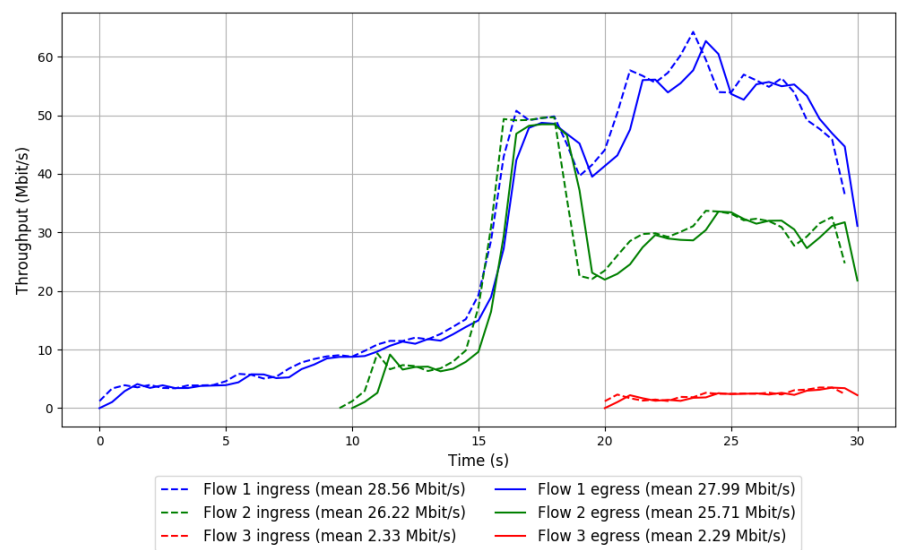
-- Flow 3:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 40.215 ms

Loss rate: 2.71%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 14:41:42

End at: 2018-06-30 14:42:12

Local clock offset: 4.121 ms

Remote clock offset: 3.55 ms

Below is generated by plot.py at 2018-06-30 19:29:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.19 Mbit/s

95th percentile per-packet one-way delay: 41.498 ms

Loss rate: 1.87%

-- Flow 1:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 40.285 ms

Loss rate: 1.78%

-- Flow 2:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 41.755 ms

Loss rate: 1.82%

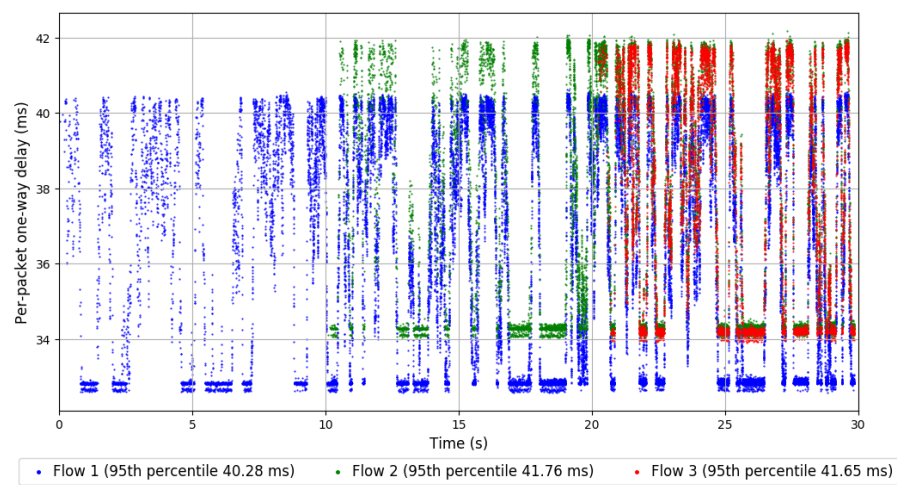
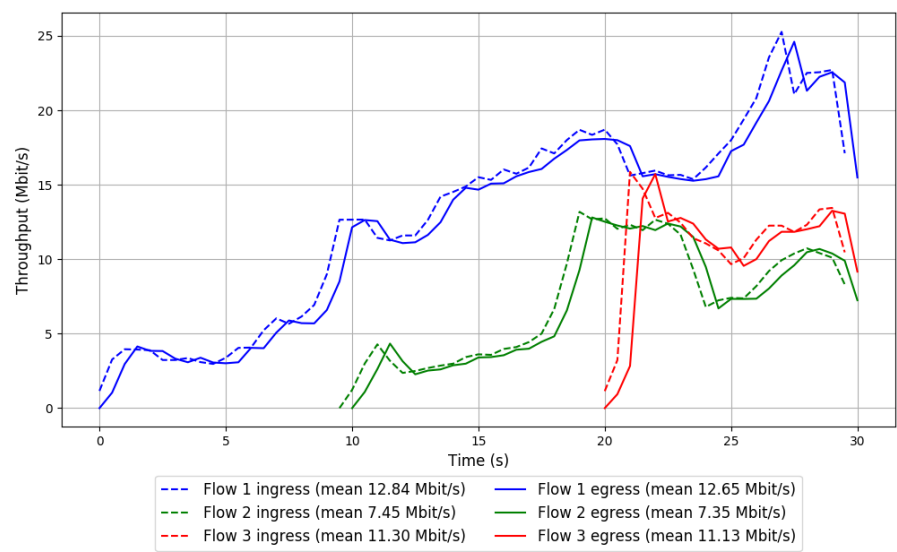
-- Flow 3:

Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 41.646 ms

Loss rate: 2.28%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 15:09:27

End at: 2018-06-30 15:09:57

Local clock offset: 0.482 ms

Remote clock offset: 2.809 ms

Below is generated by plot.py at 2018-06-30 19:29:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.67 Mbit/s

95th percentile per-packet one-way delay: 41.498 ms

Loss rate: 1.91%

-- Flow 1:

Average throughput: 9.86 Mbit/s

95th percentile per-packet one-way delay: 40.161 ms

Loss rate: 1.69%

-- Flow 2:

Average throughput: 8.67 Mbit/s

95th percentile per-packet one-way delay: 41.623 ms

Loss rate: 2.10%

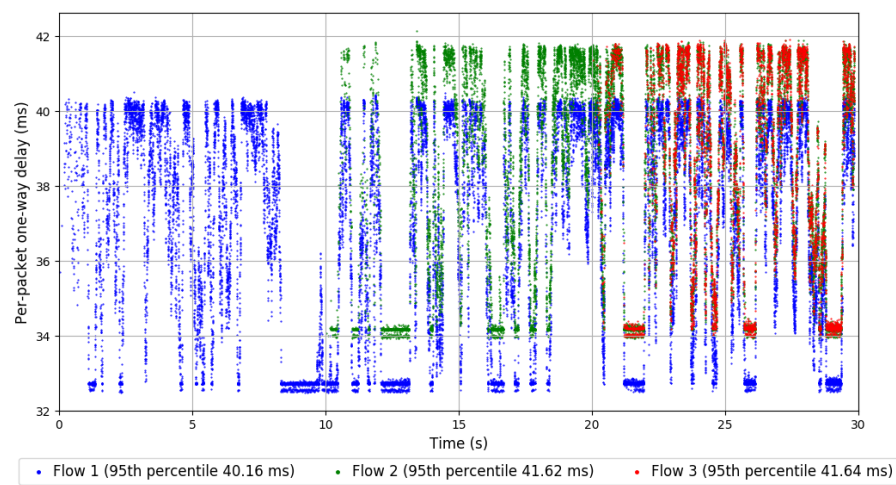
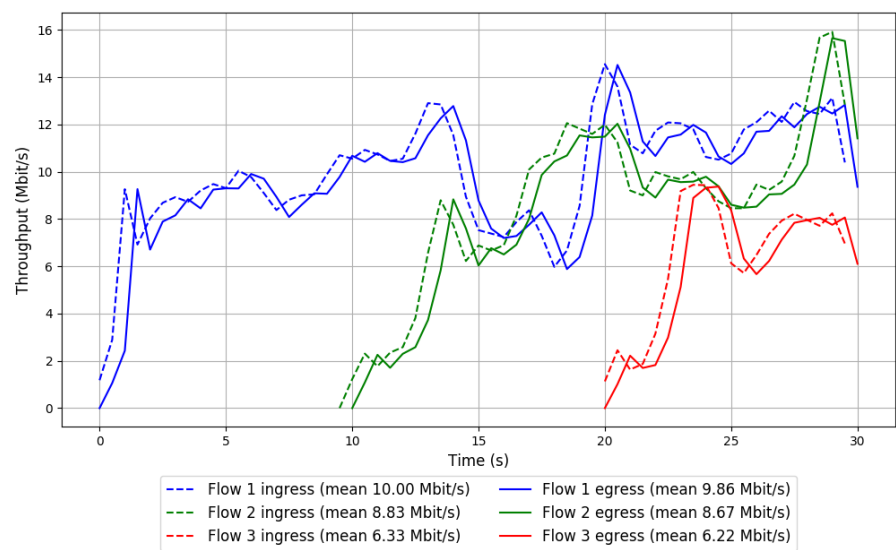
-- Flow 3:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 41.642 ms

Loss rate: 2.42%

Run 3: Report of PCC-Vivace — Data Link

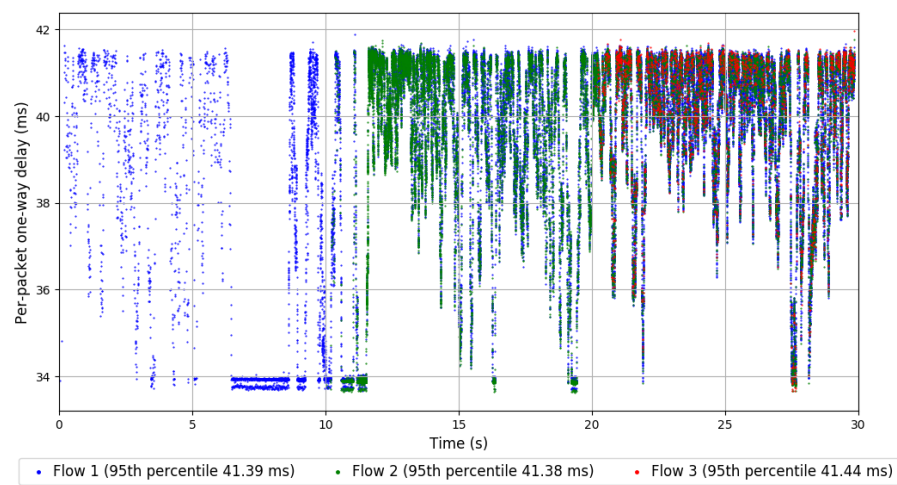
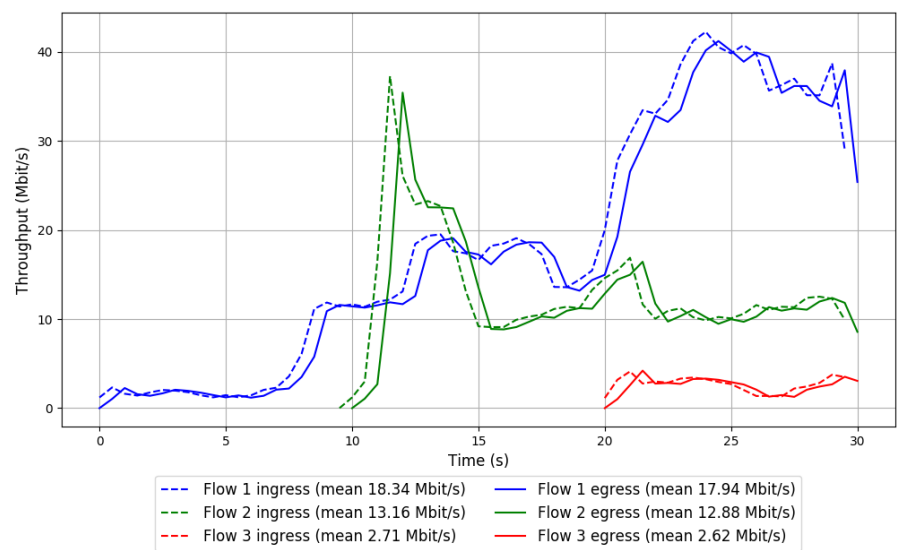


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 15:38:09
End at: 2018-06-30 15:38:39
Local clock offset: 4.213 ms
Remote clock offset: -1.482 ms

Below is generated by plot.py at 2018-06-30 19:29:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.36 Mbit/s
95th percentile per-packet one-way delay: 41.391 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 17.94 Mbit/s
95th percentile per-packet one-way delay: 41.393 ms
Loss rate: 2.40%
-- Flow 2:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 41.381 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 41.435 ms
Loss rate: 4.09%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 16:05:33

End at: 2018-06-30 16:06:03

Local clock offset: 1.027 ms

Remote clock offset: 1.433 ms

Below is generated by plot.py at 2018-06-30 19:29:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.64 Mbit/s

95th percentile per-packet one-way delay: 40.039 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 49.04 Mbit/s

95th percentile per-packet one-way delay: 39.791 ms

Loss rate: 1.79%

-- Flow 2:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 41.005 ms

Loss rate: 2.53%

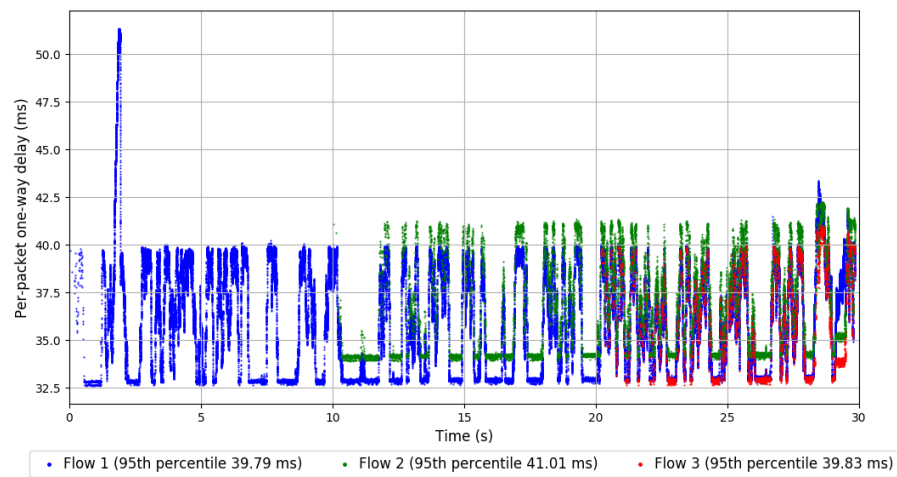
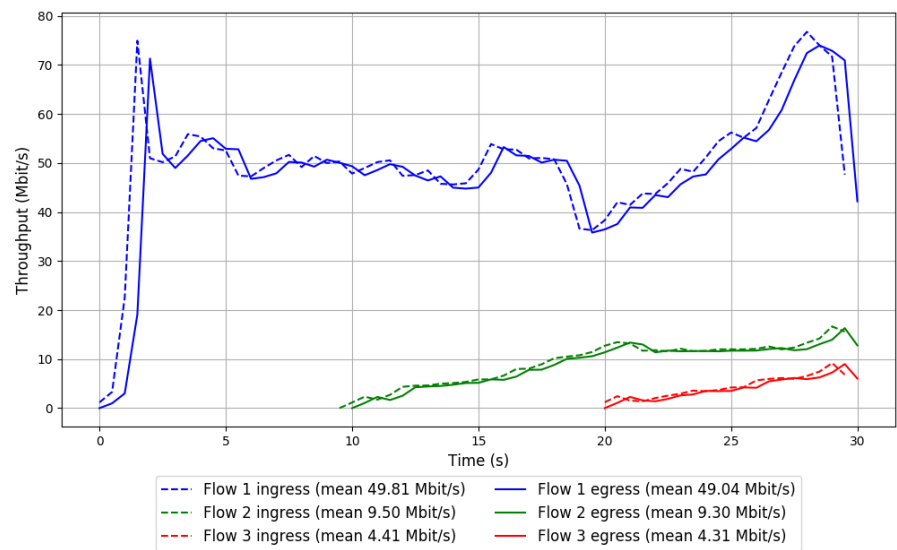
-- Flow 3:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 39.832 ms

Loss rate: 3.05%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-30 16:33:34

End at: 2018-06-30 16:34:04

Local clock offset: 0.707 ms

Remote clock offset: 3.79 ms

Below is generated by plot.py at 2018-06-30 19:29:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.20 Mbit/s

95th percentile per-packet one-way delay: 53.094 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 15.27 Mbit/s

95th percentile per-packet one-way delay: 41.852 ms

Loss rate: 1.76%

-- Flow 2:

Average throughput: 41.38 Mbit/s

95th percentile per-packet one-way delay: 54.560 ms

Loss rate: 2.13%

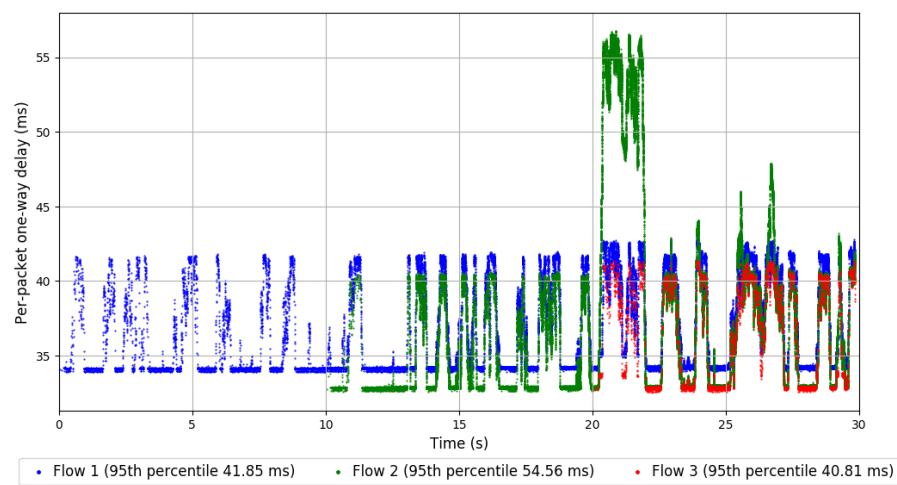
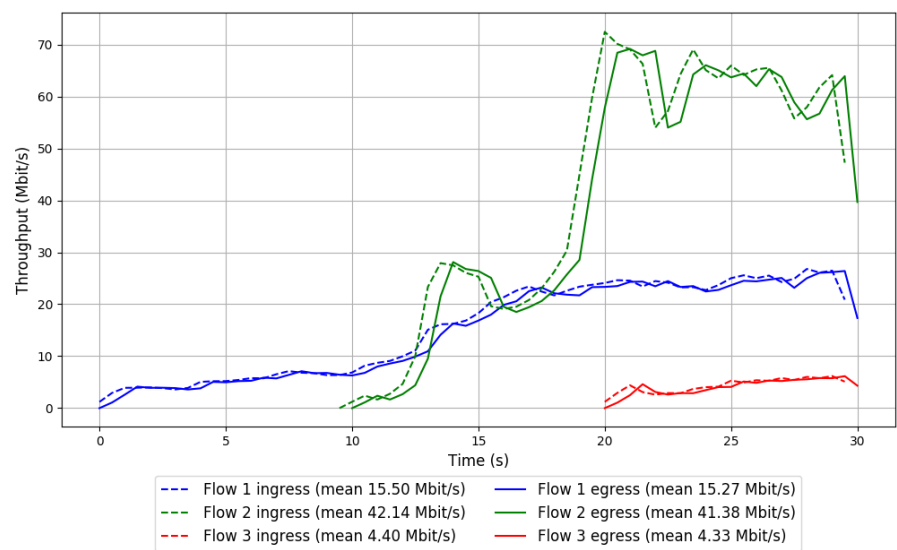
-- Flow 3:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 40.810 ms

Loss rate: 2.47%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-30 17:26:37

End at: 2018-06-30 17:27:08

Local clock offset: 0.534 ms

Remote clock offset: 2.12 ms

Below is generated by plot.py at 2018-06-30 19:29:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 157.924 ms

Loss rate: 26.66%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 158.685 ms

Loss rate: 24.96%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 151.701 ms

Loss rate: 29.85%

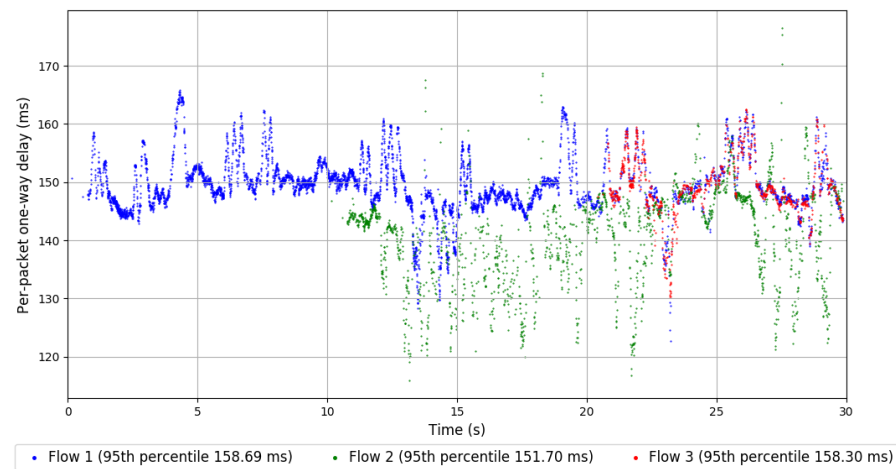
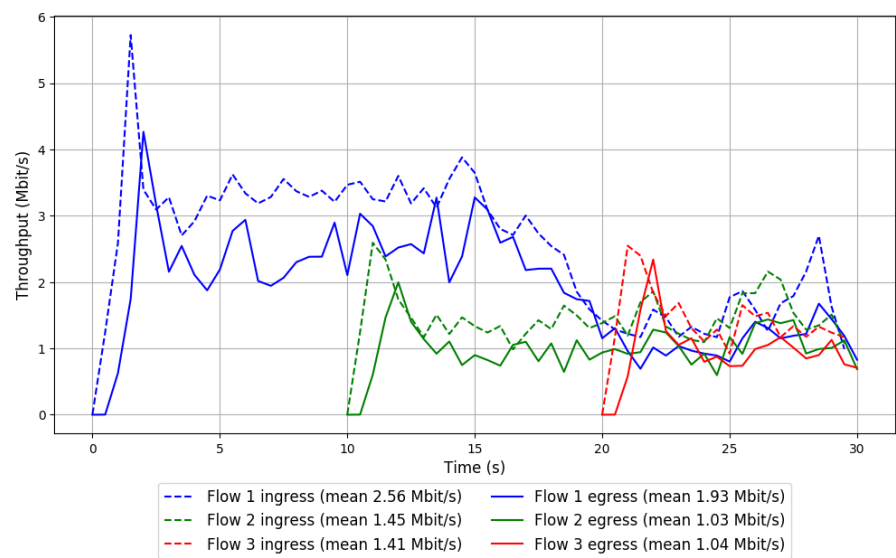
-- Flow 3:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 158.304 ms

Loss rate: 29.32%

Run 7: Report of PCC-Vivace — Data Link

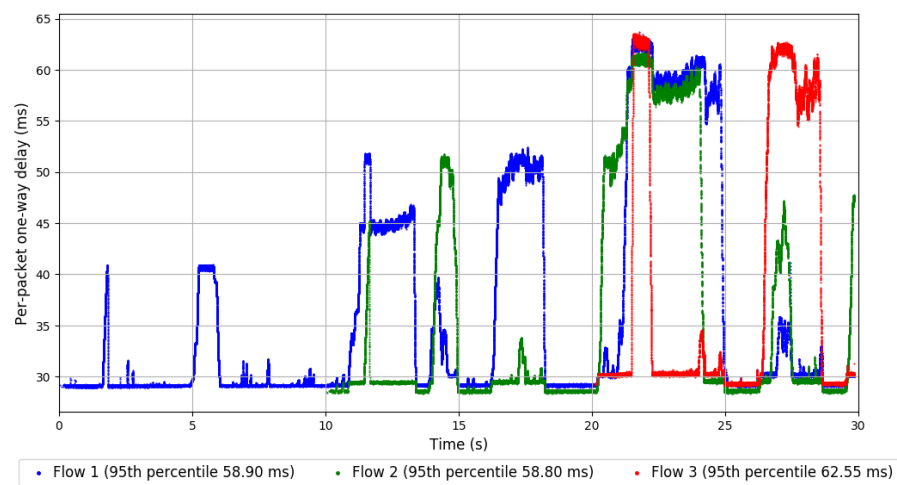
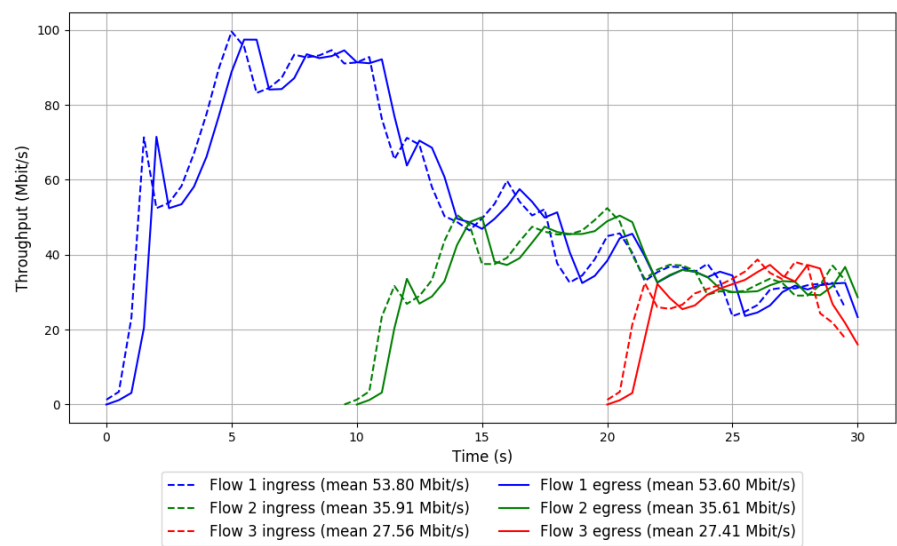


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 18:07:21
End at: 2018-06-30 18:07:51
Local clock offset: 0.325 ms
Remote clock offset: -0.956 ms

Below is generated by plot.py at 2018-06-30 19:29:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 59.784 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 58.902 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 58.804 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 27.41 Mbit/s
95th percentile per-packet one-way delay: 62.551 ms
Loss rate: 1.13%

Run 8: Report of PCC-Vivace — Data Link

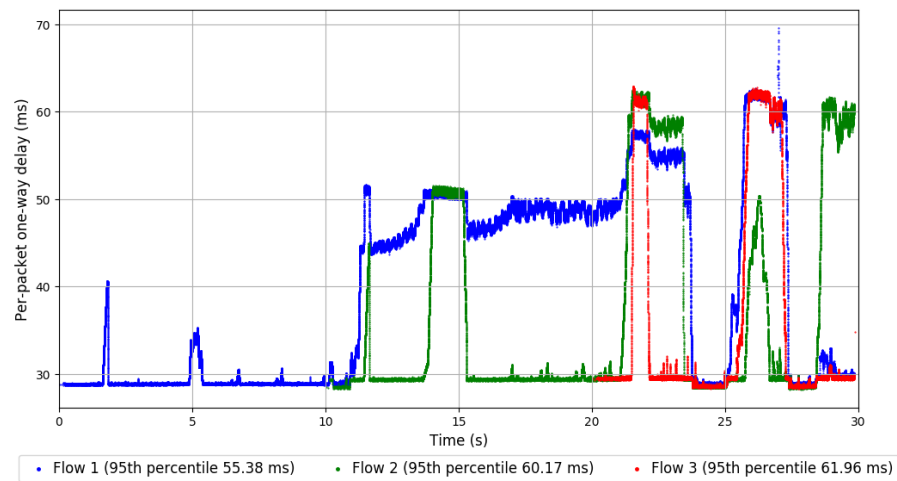
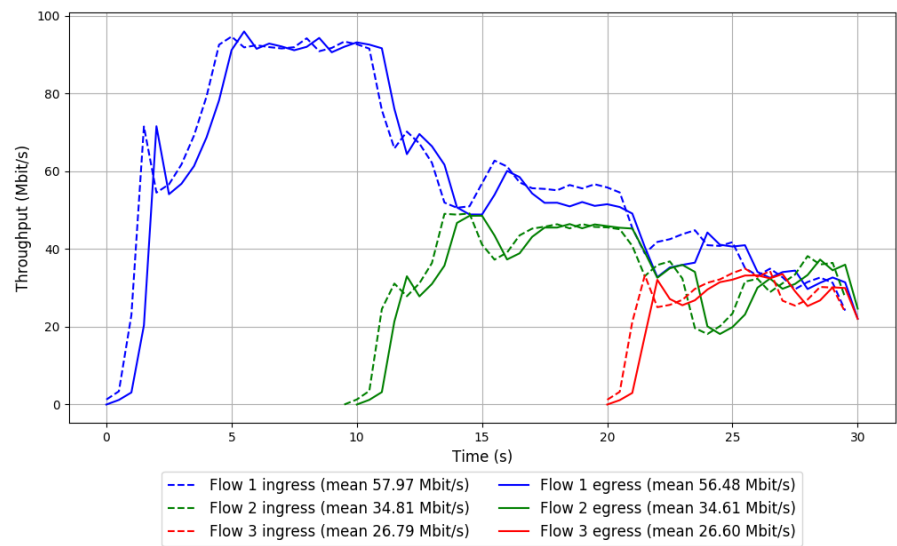


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 18:30:14
End at: 2018-06-30 18:30:44
Local clock offset: 3.127 ms
Remote clock offset: -1.201 ms

Below is generated by plot.py at 2018-06-30 19:29:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.22 Mbit/s
95th percentile per-packet one-way delay: 59.801 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 55.377 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 60.168 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 26.60 Mbit/s
95th percentile per-packet one-way delay: 61.960 ms
Loss rate: 1.27%

Run 9: Report of PCC-Vivace — Data Link

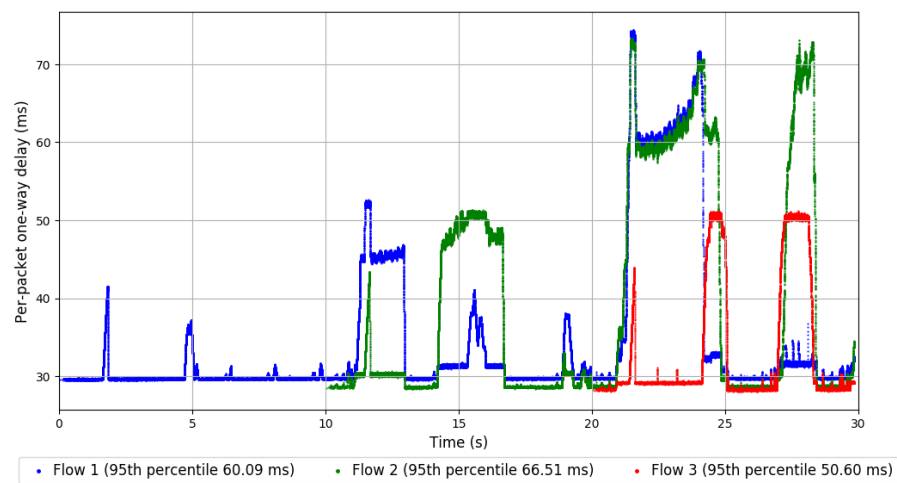
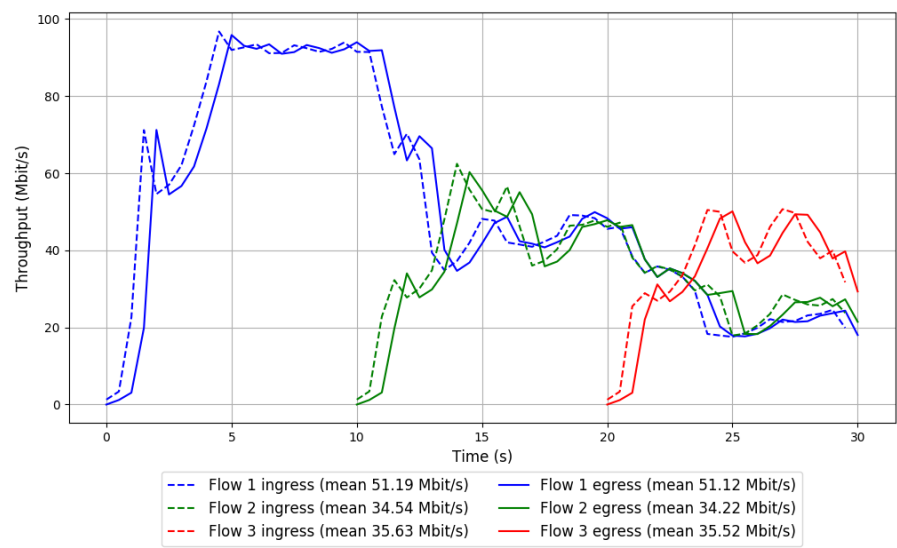


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 18:53:03
End at: 2018-06-30 18:53:33
Local clock offset: 1.649 ms
Remote clock offset: -1.184 ms

Below is generated by plot.py at 2018-06-30 19:29:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 60.778 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 60.088 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 66.511 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 50.600 ms
Loss rate: 0.90%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-30 14:31:25

End at: 2018-06-30 14:31:55

Local clock offset: 3.399 ms

Remote clock offset: 2.265 ms

Below is generated by plot.py at 2018-06-30 19:29:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 40.981 ms

Loss rate: 2.51%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 40.998 ms

Loss rate: 2.46%

-- Flow 2:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 40.991 ms

Loss rate: 2.47%

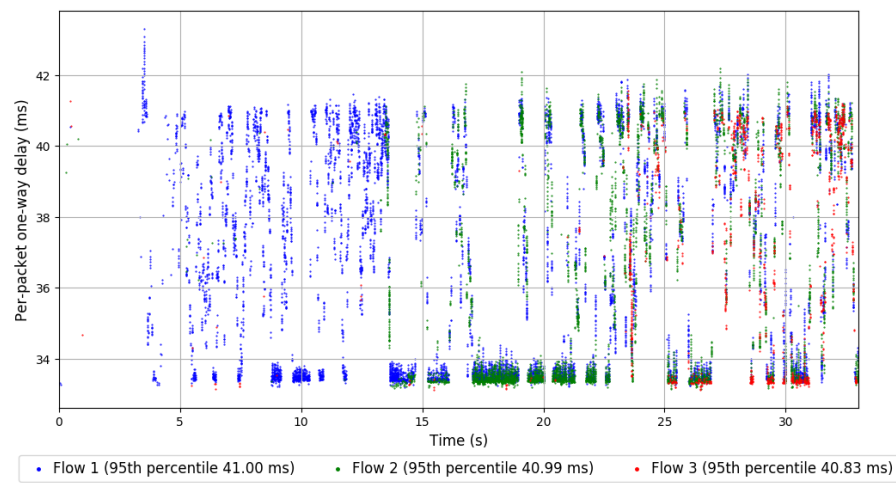
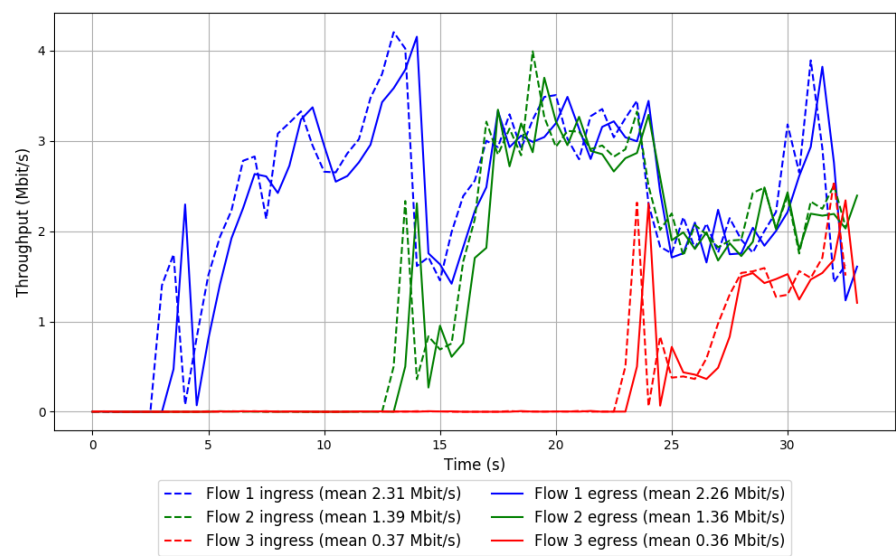
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 40.834 ms

Loss rate: 3.02%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-30 14:59:08

End at: 2018-06-30 14:59:38

Local clock offset: 1.131 ms

Remote clock offset: 2.791 ms

Below is generated by plot.py at 2018-06-30 19:29:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 41.871 ms

Loss rate: 3.76%

-- Flow 1:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 41.929 ms

Loss rate: 3.65%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 40.634 ms

Loss rate: 3.97%

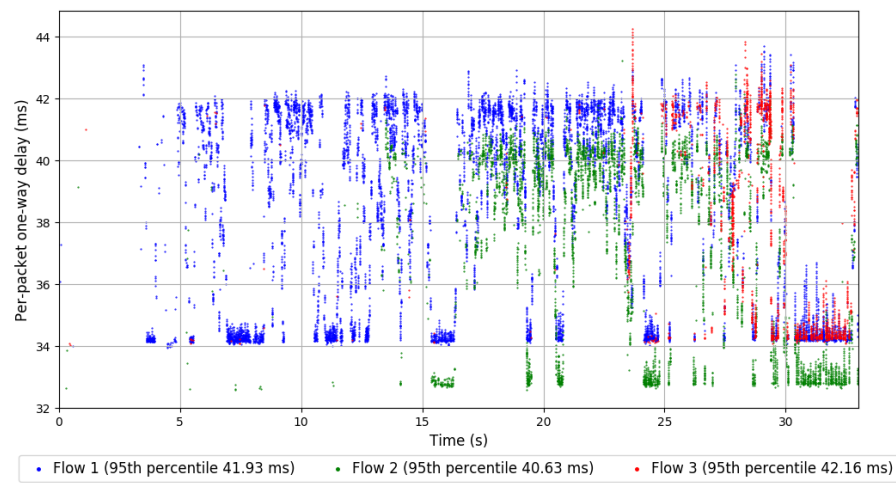
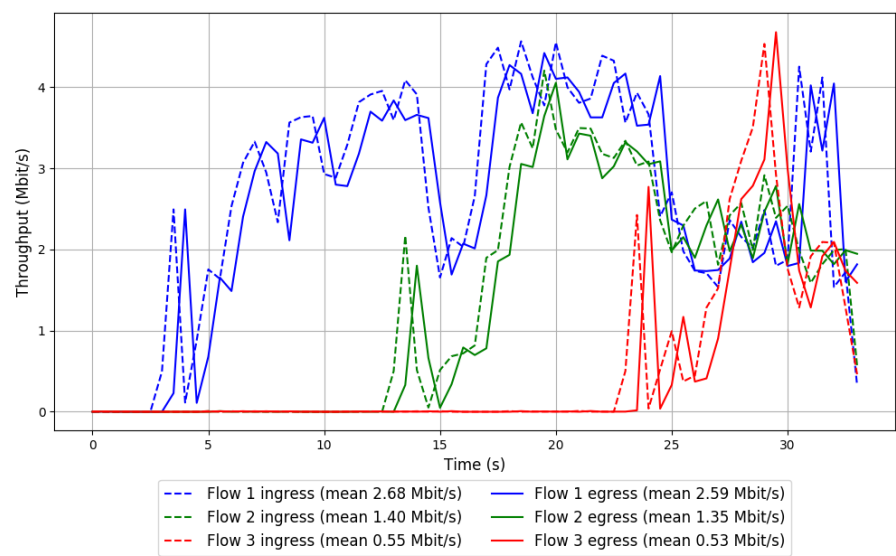
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 42.161 ms

Loss rate: 3.78%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-30 15:27:46

End at: 2018-06-30 15:28:16

Local clock offset: 3.296 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-06-30 19:29:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 40.062 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 40.104 ms

Loss rate: 1.86%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 40.022 ms

Loss rate: 2.07%

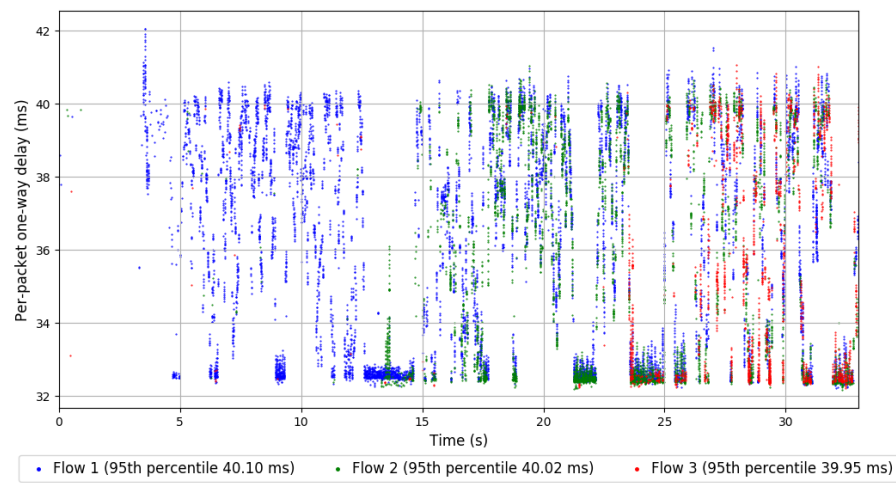
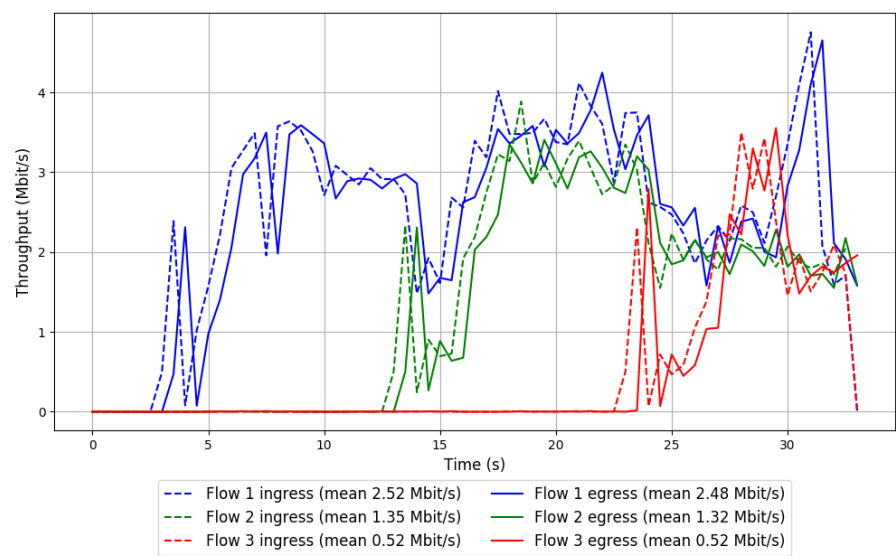
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 39.955 ms

Loss rate: 0.94%

Run 3: Report of WebRTC media — Data Link

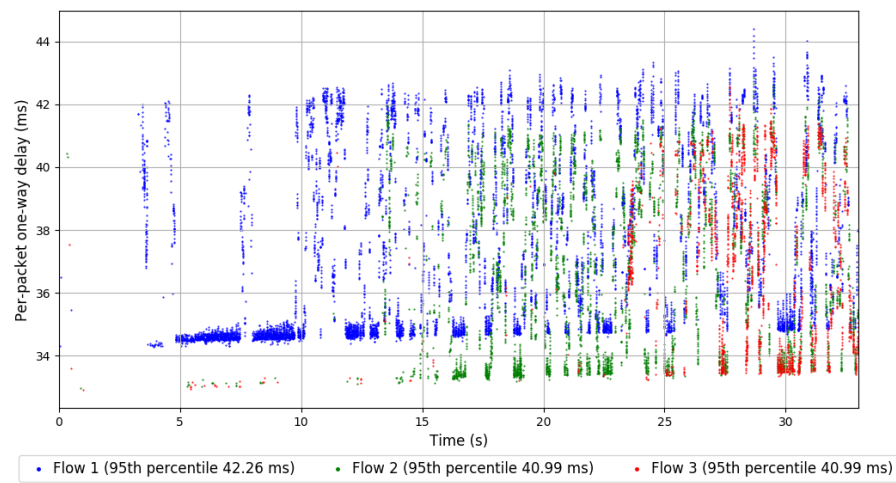
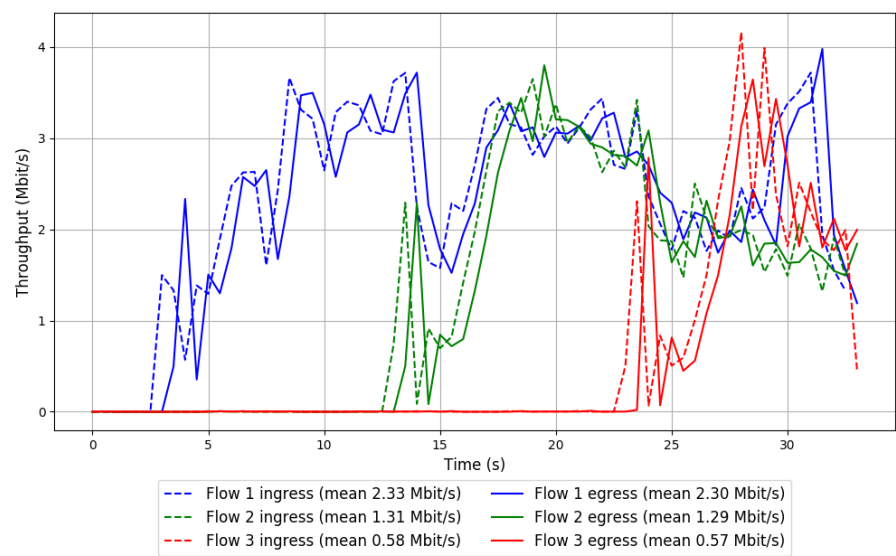


Run 4: Statistics of WebRTC media

Start at: 2018-06-30 15:55:58
End at: 2018-06-30 15:56:28
Local clock offset: 1.989 ms
Remote clock offset: -3.125 ms

Below is generated by plot.py at 2018-06-30 19:29:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 42.041 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 42.260 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 40.991 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 40.992 ms
Loss rate: 2.44%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-30 16:24:07

End at: 2018-06-30 16:24:37

Local clock offset: 0.683 ms

Remote clock offset: 3.38 ms

Below is generated by plot.py at 2018-06-30 19:29:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 39.872 ms

Loss rate: 2.04%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 39.632 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 39.701 ms

Loss rate: 2.06%

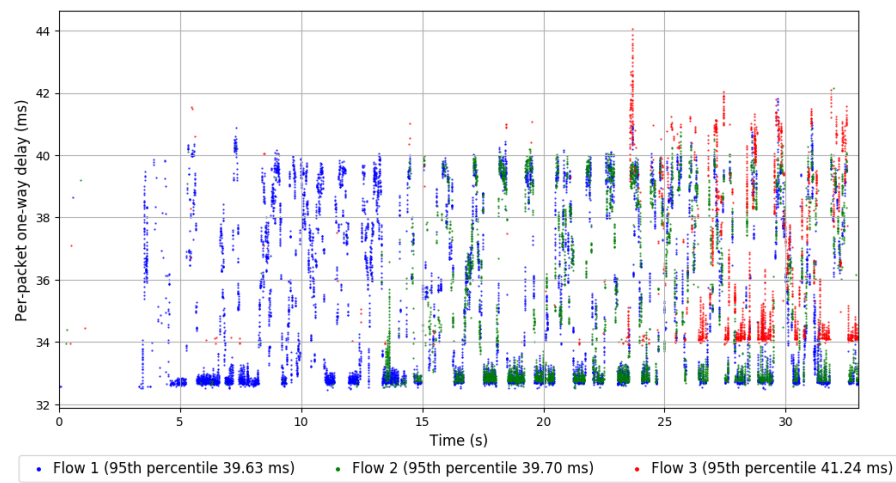
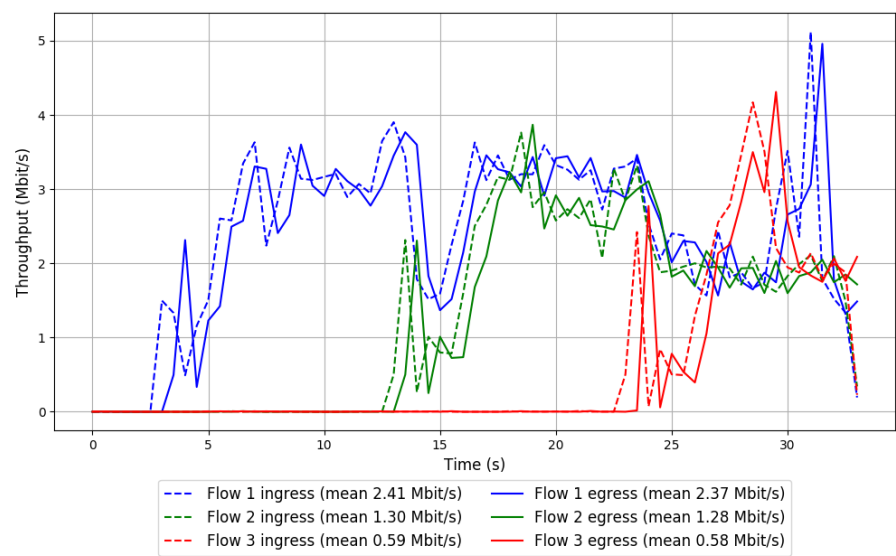
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 41.237 ms

Loss rate: 2.31%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-30 16:51:10

End at: 2018-06-30 16:51:40

Local clock offset: 0.716 ms

Remote clock offset: 3.402 ms

Below is generated by plot.py at 2018-06-30 19:29:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 154.016 ms

Loss rate: 34.35%

-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 153.508 ms

Loss rate: 38.24%

-- Flow 2:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 157.014 ms

Loss rate: 28.42%

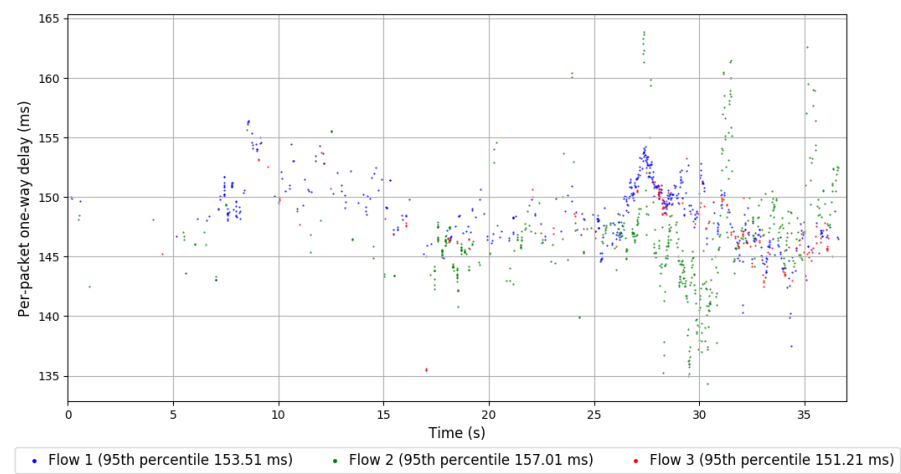
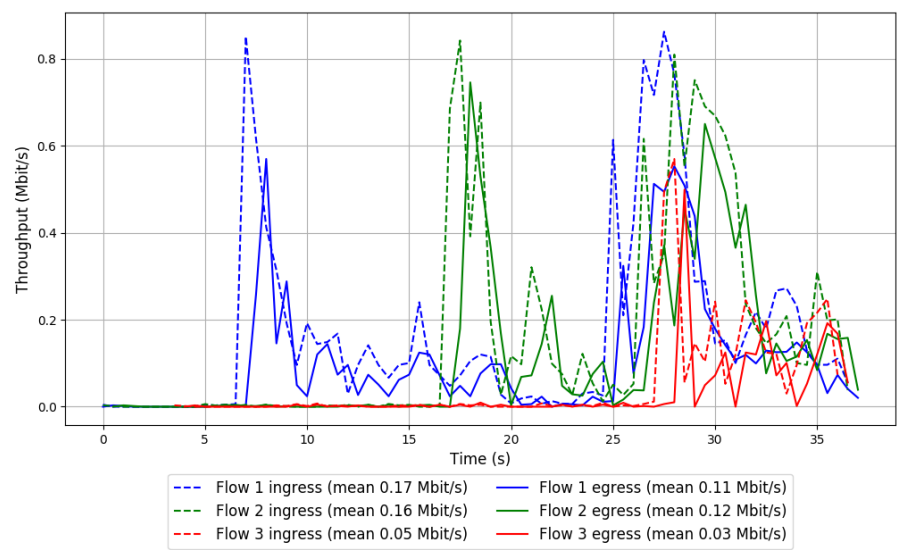
-- Flow 3:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 151.206 ms

Loss rate: 40.71%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-30 17:58:42

End at: 2018-06-30 17:59:12

Local clock offset: 0.483 ms

Remote clock offset: 3.831 ms

Below is generated by plot.py at 2018-06-30 19:29:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 157.092 ms

Loss rate: 31.16%

-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 154.712 ms

Loss rate: 41.76%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 156.891 ms

Loss rate: 25.09%

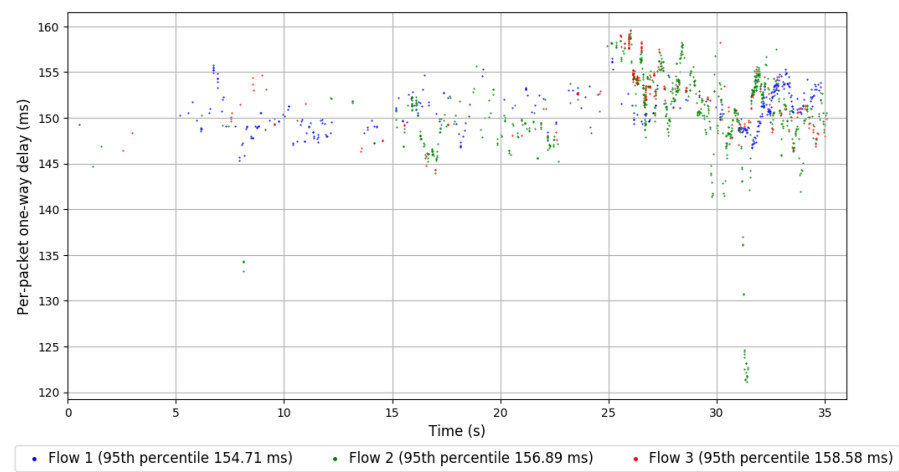
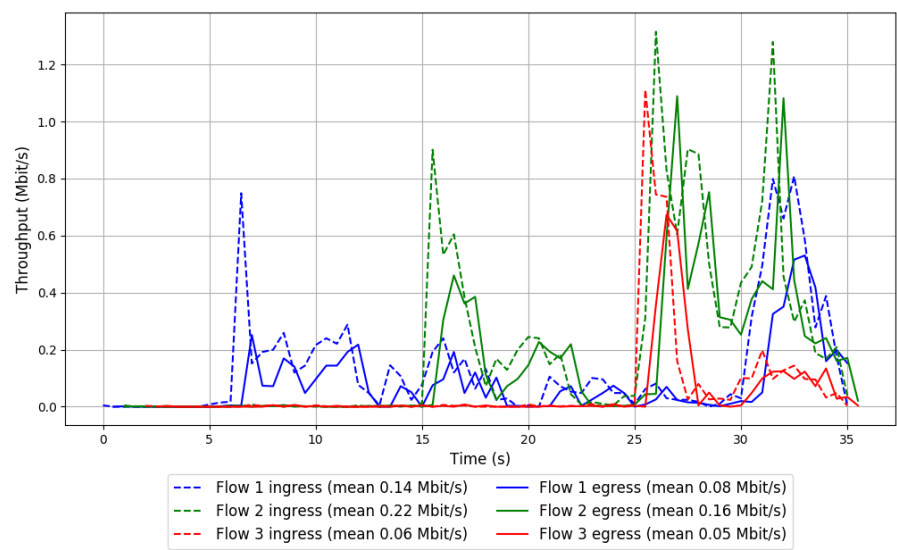
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 158.582 ms

Loss rate: 27.96%

Run 7: Report of WebRTC media — Data Link

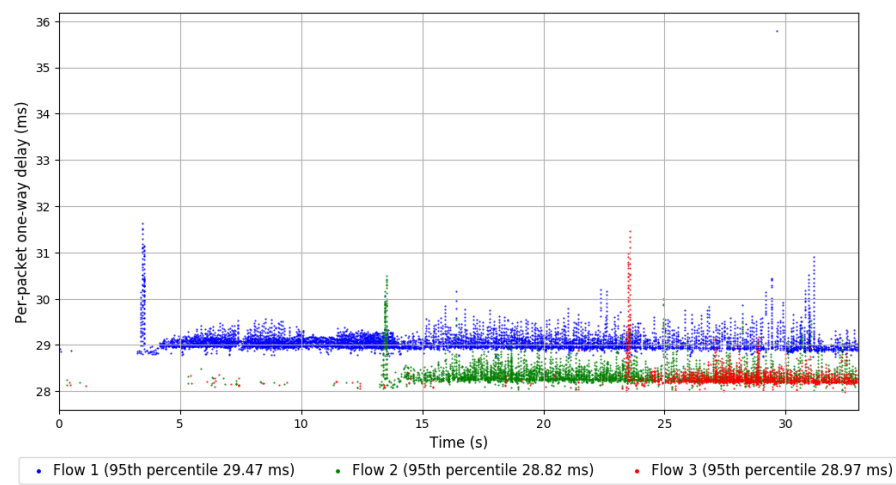
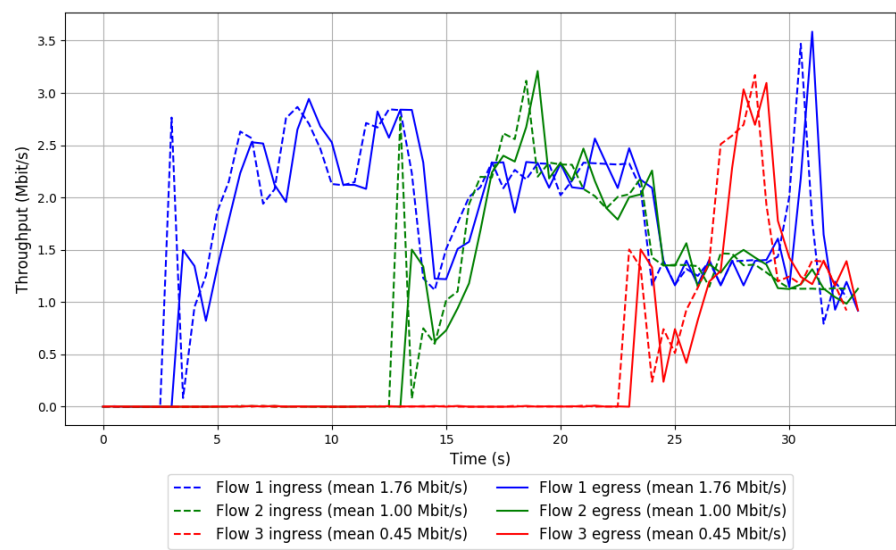


Run 8: Statistics of WebRTC media

Start at: 2018-06-30 18:22:12
End at: 2018-06-30 18:22:42
Local clock offset: 1.98 ms
Remote clock offset: -1.255 ms

Below is generated by plot.py at 2018-06-30 19:29:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 29.367 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 29.466 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 28.816 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 28.973 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

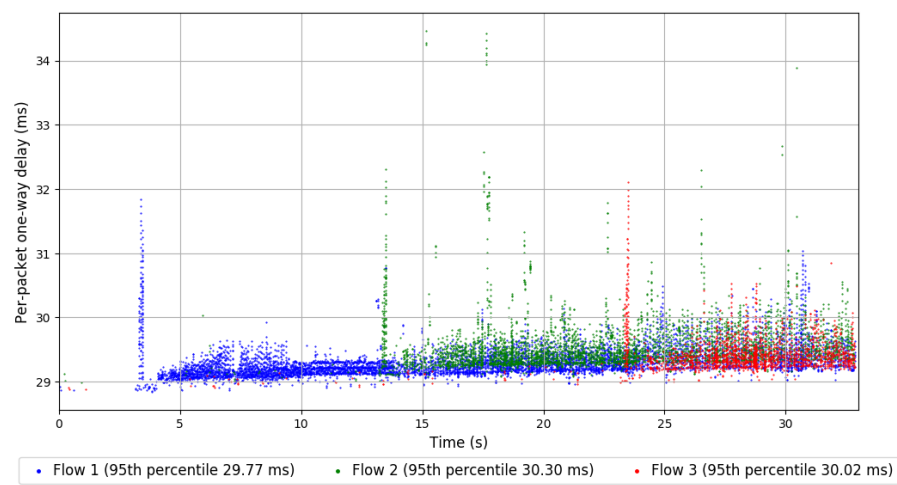
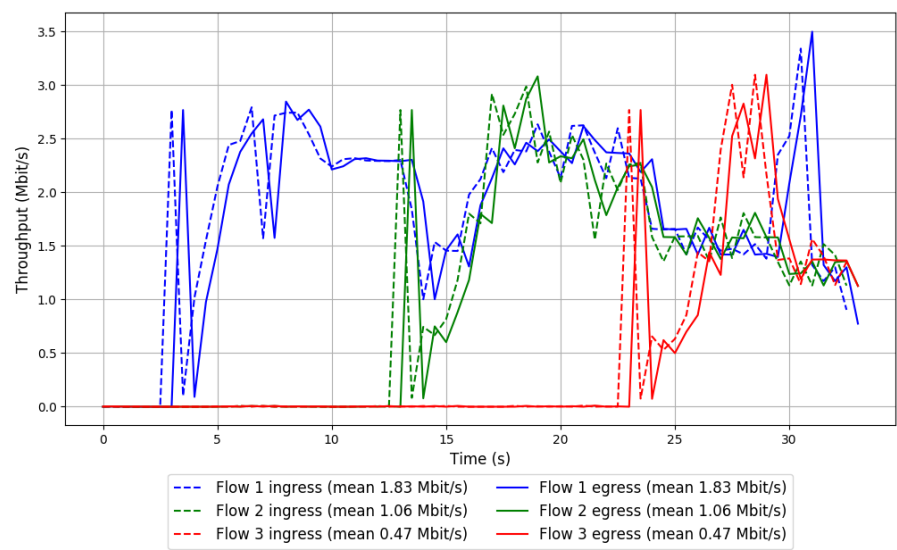


Run 9: Statistics of WebRTC media

Start at: 2018-06-30 18:45:03
End at: 2018-06-30 18:45:33
Local clock offset: 4.034 ms
Remote clock offset: -1.447 ms

Below is generated by plot.py at 2018-06-30 19:29:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 30.002 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 29.766 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 30.302 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 30.020 ms
Loss rate: 0.74%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 19:07:50
End at: 2018-06-30 19:08:20
Local clock offset: 0.073 ms
Remote clock offset: -1.305 ms

Below is generated by plot.py at 2018-06-30 19:29:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 29.992 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 29.886 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 30.064 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 30.106 ms
Loss rate: 0.73%

Run 10: Report of WebRTC media — Data Link

