

Pantheon Report

Generated at 2018-01-26 17:51:25 (UTC).

Data path: China Ethernet (*remote*) → AWS Korea Ethernet (*local*).

Repeated the test of 15 congestion control schemes 10 times.

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

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

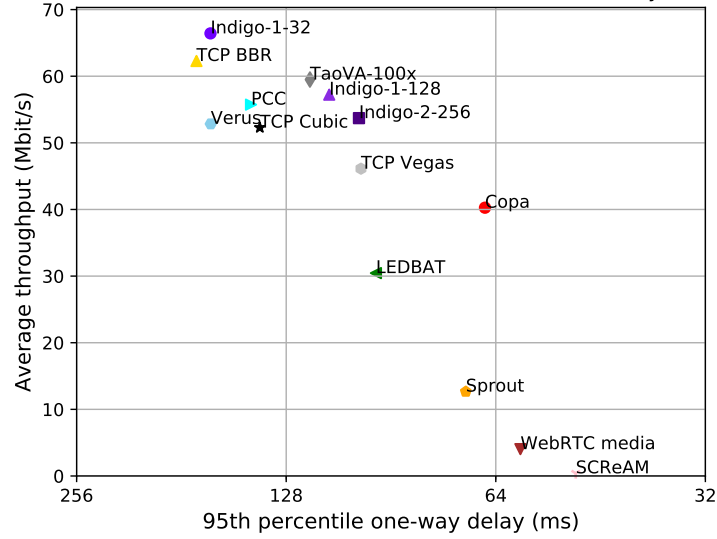
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

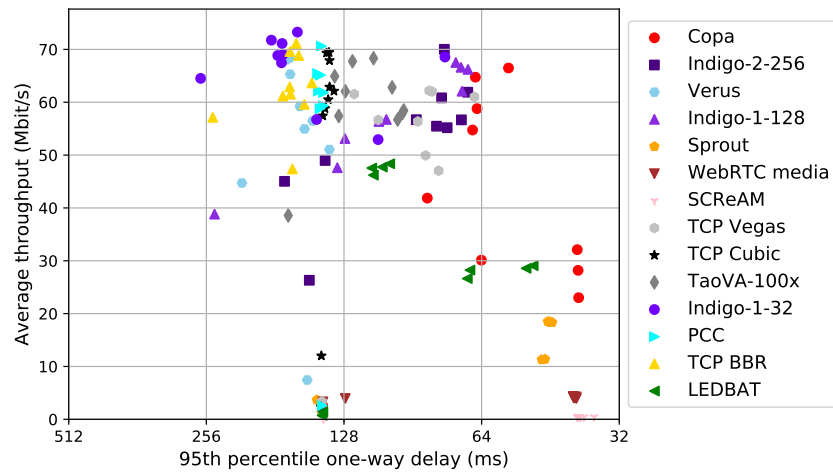
Git summary:

```
branch: master @ f23294ec38436c9f802847d477a41b7343ec76e6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



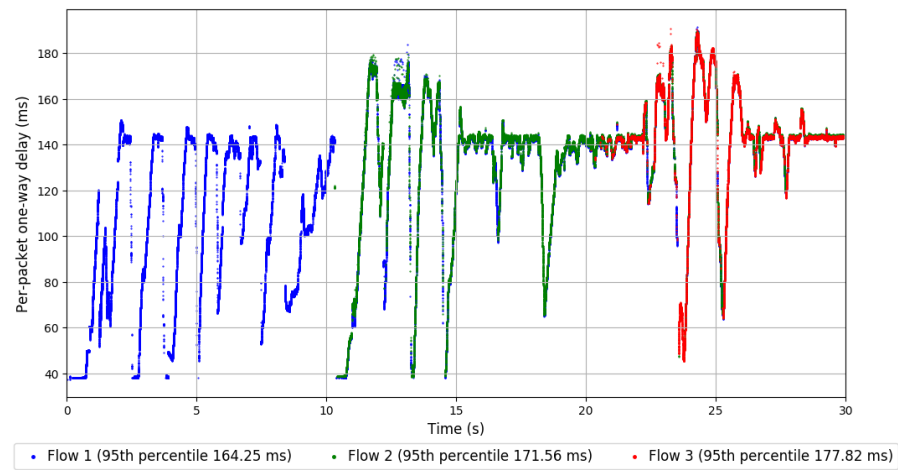
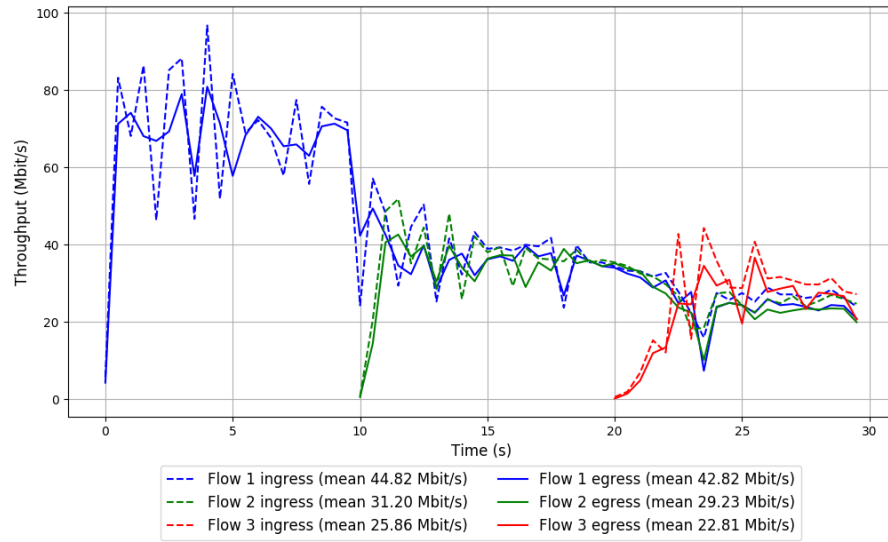
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	39.66	25.62	17.66	166.28	174.87	179.26	5.48	7.53	13.67
TCP Cubic	10	37.23	14.77	16.10	139.22	139.91	140.94	1.06	1.34	1.98
LEDBAT	10	21.04	12.06	4.37	93.09	96.88	100.61	1.04	2.01	6.17
PCC	8	51.87	3.15	5.48	143.73	144.08	143.75	7.45	8.97	6.74
QUIC Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCReAM	10	0.20	0.20	0.20	48.93	49.08	49.01	2.93	2.42	3.61
WebRTC media	10	2.17	1.40	0.47	58.48	58.92	59.46	0.85	1.00	5.52
Sprout	8	6.36	6.31	6.34	70.73	70.49	70.77	0.96	2.88	2.07
TaoVA-100x	10	34.78	23.28	35.50	112.35	121.84	122.51	0.58	1.07	2.91
TCP Vegas	10	26.51	21.76	15.69	88.95	108.42	103.81	0.50	0.98	1.76
Verus	9	33.21	23.18	13.60	156.38	171.00	166.38	3.11	9.43	8.81
Copa	10	25.84	16.22	14.48	64.79	67.85	65.55	2.46	0.48	1.46
Indigo-2-256	10	34.15	19.17	20.96	91.03	100.95	108.92	0.57	1.74	6.69
Indigo-1-32	10	45.99	22.67	16.15	163.57	164.64	168.34	12.78	15.31	16.07
Indigo-1-128	9	36.19	22.86	17.86	106.26	108.48	111.94	0.57	3.04	1.59

Run 1: Statistics of TCP BBR

Start at: 2018-01-26 10:36:11
End at: 2018-01-26 10:36:41
Local clock offset: -0.461 ms
Remote clock offset: -7.286 ms

Below is generated by plot.py at 2018-01-26 17:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 168.109 ms
Loss rate: 6.44%
-- Flow 1:
Average throughput: 42.82 Mbit/s
95th percentile per-packet one-way delay: 164.254 ms
Loss rate: 4.73%
-- Flow 2:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 171.565 ms
Loss rate: 7.20%
-- Flow 3:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 177.821 ms
Loss rate: 13.55%

Run 1: Report of TCP BBR — Data Link

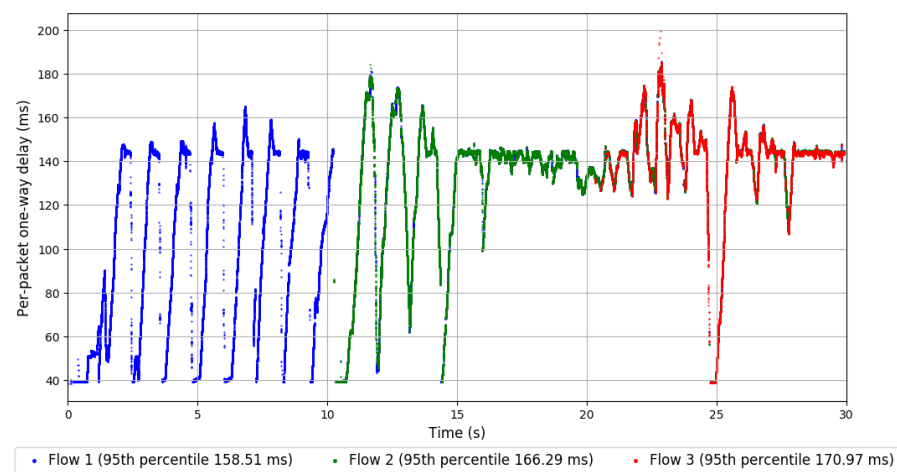
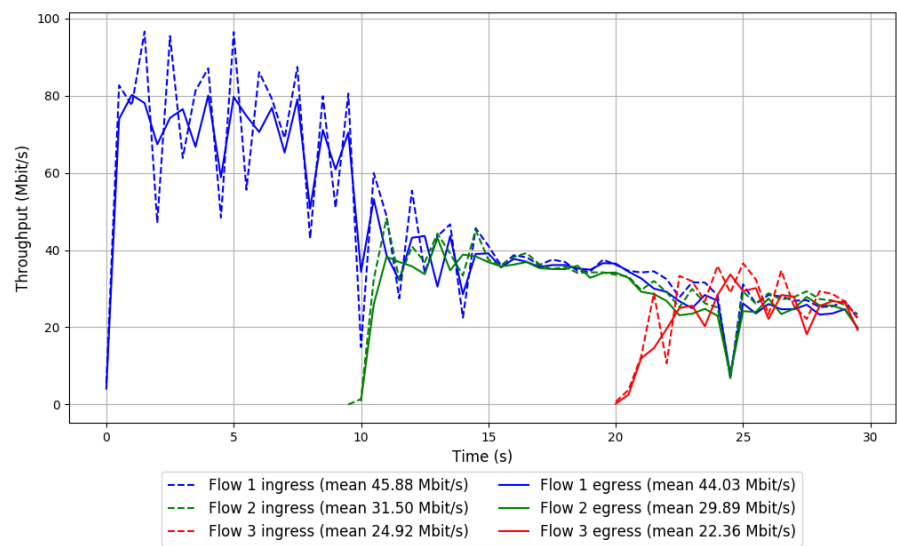


Run 2: Statistics of TCP BBR

Start at: 2018-01-26 10:55:56
End at: 2018-01-26 10:56:26
Local clock offset: -0.062 ms
Remote clock offset: -6.987 ms

Below is generated by plot.py at 2018-01-26 17:39:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.12 Mbit/s
95th percentile per-packet one-way delay: 162.782 ms
Loss rate: 5.63%
-- Flow 1:
Average throughput: 44.03 Mbit/s
95th percentile per-packet one-way delay: 158.514 ms
Loss rate: 4.32%
-- Flow 2:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 166.289 ms
Loss rate: 6.00%
-- Flow 3:
Average throughput: 22.36 Mbit/s
95th percentile per-packet one-way delay: 170.971 ms
Loss rate: 11.92%

Run 2: Report of TCP BBR — Data Link

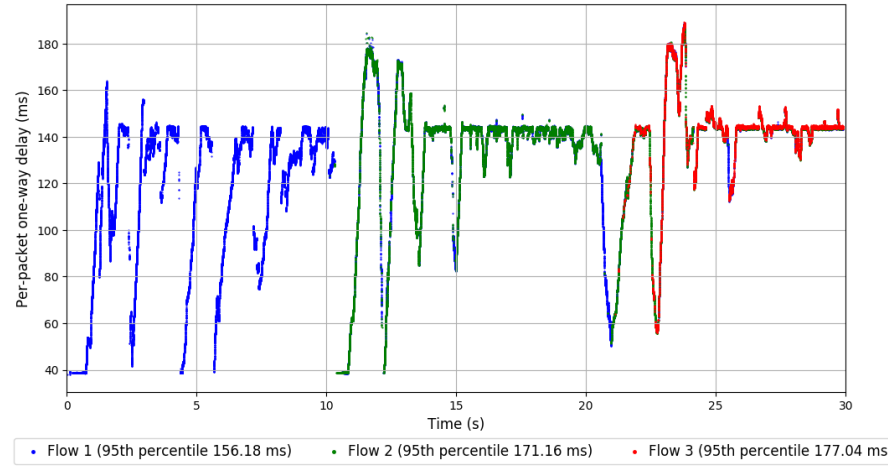
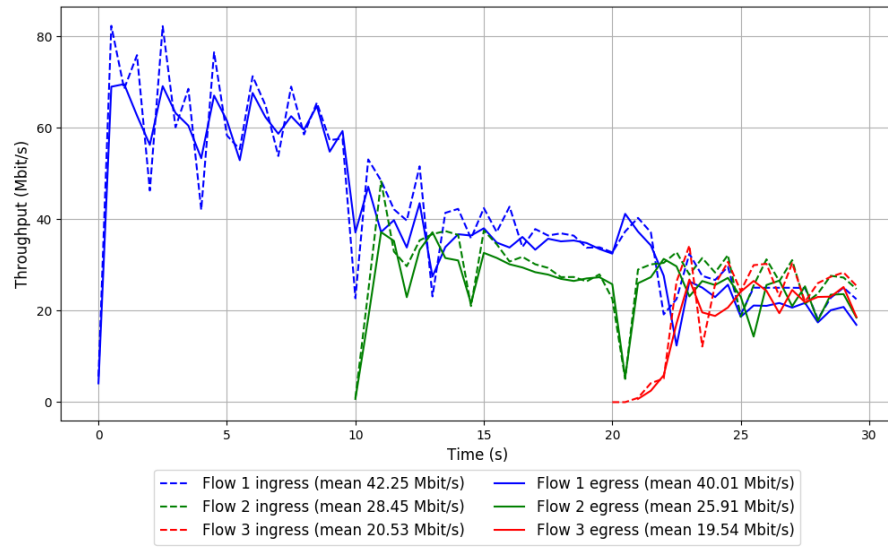


Run 3: Statistics of TCP BBR

Start at: 2018-01-26 11:15:49
End at: 2018-01-26 11:16:19
Local clock offset: -0.424 ms
Remote clock offset: -6.371 ms

Below is generated by plot.py at 2018-01-26 17:39:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 168.217 ms
Loss rate: 7.75%
-- Flow 1:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 156.181 ms
Loss rate: 5.60%
-- Flow 2:
Average throughput: 25.91 Mbit/s
95th percentile per-packet one-way delay: 171.161 ms
Loss rate: 9.70%
-- Flow 3:
Average throughput: 19.54 Mbit/s
95th percentile per-packet one-way delay: 177.041 ms
Loss rate: 15.66%

Run 3: Report of TCP BBR — Data Link

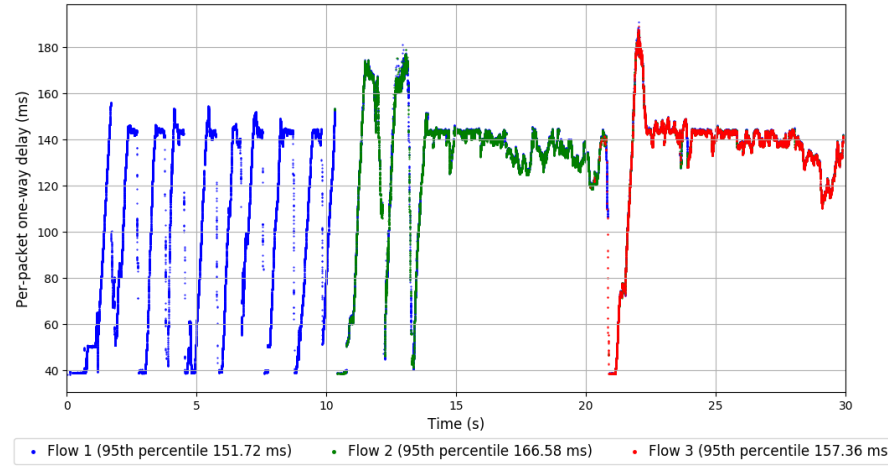
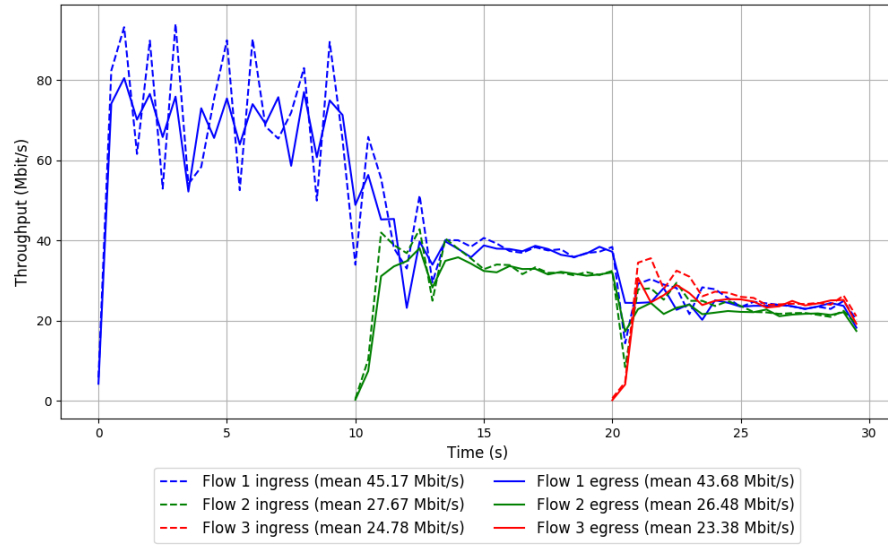


Run 4: Statistics of TCP BBR

Start at: 2018-01-26 11:35:53
End at: 2018-01-26 11:36:23
Local clock offset: -0.477 ms
Remote clock offset: -5.591 ms

Below is generated by plot.py at 2018-01-26 17:39:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.85 Mbit/s
95th percentile per-packet one-way delay: 160.785 ms
Loss rate: 4.36%
-- Flow 1:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 151.725 ms
Loss rate: 3.57%
-- Flow 2:
Average throughput: 26.48 Mbit/s
95th percentile per-packet one-way delay: 166.576 ms
Loss rate: 5.03%
-- Flow 3:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 157.362 ms
Loss rate: 7.22%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-26 11:55:51

End at: 2018-01-26 11:56:21

Local clock offset: -0.402 ms

Remote clock offset: -4.41 ms

Below is generated by plot.py at 2018-01-26 17:39:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.65 Mbit/s

95th percentile per-packet one-way delay: 150.472 ms

Loss rate: 6.33%

-- Flow 1:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 148.431 ms

Loss rate: 5.21%

-- Flow 2:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 150.434 ms

Loss rate: 7.44%

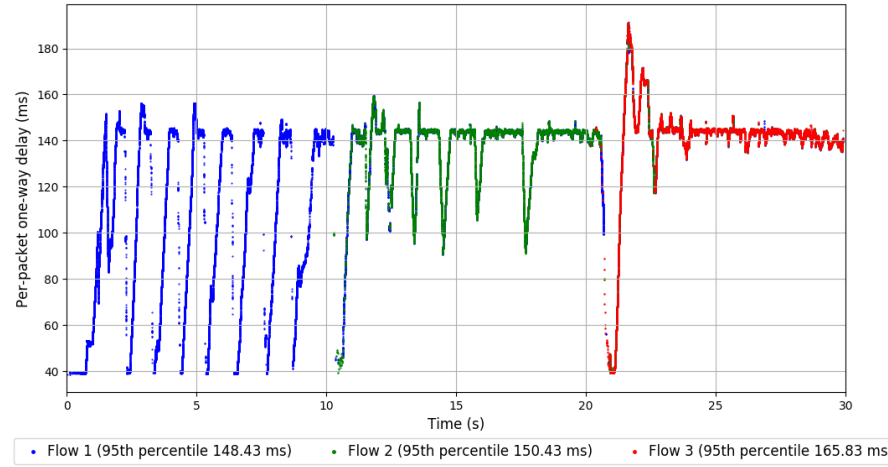
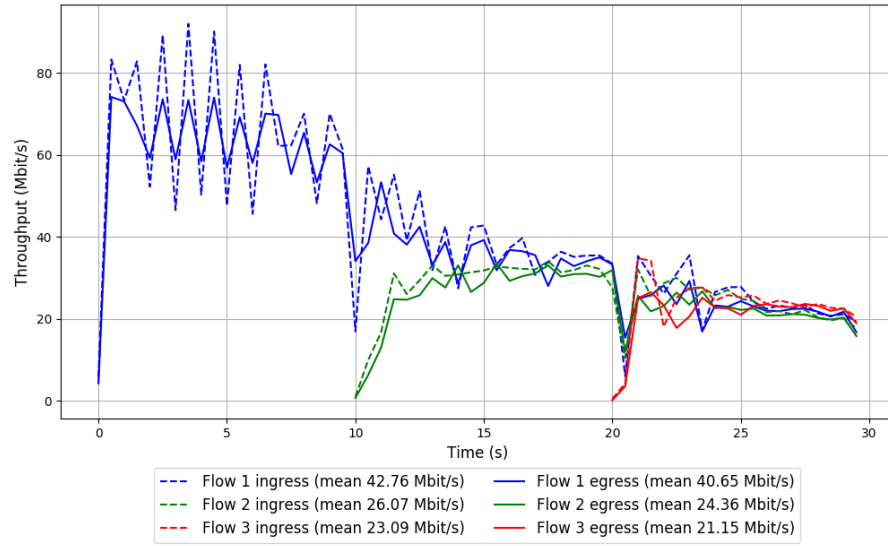
-- Flow 3:

Average throughput: 21.15 Mbit/s

95th percentile per-packet one-way delay: 165.829 ms

Loss rate: 10.06%

Run 5: Report of TCP BBR — Data Link

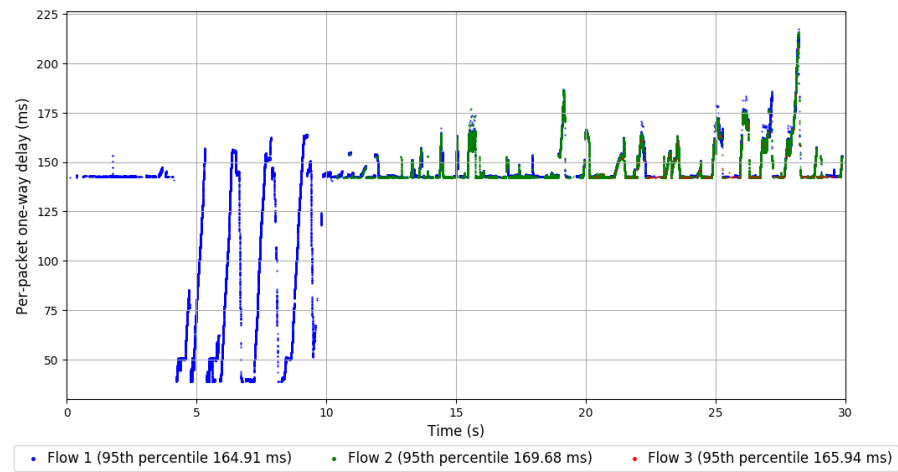
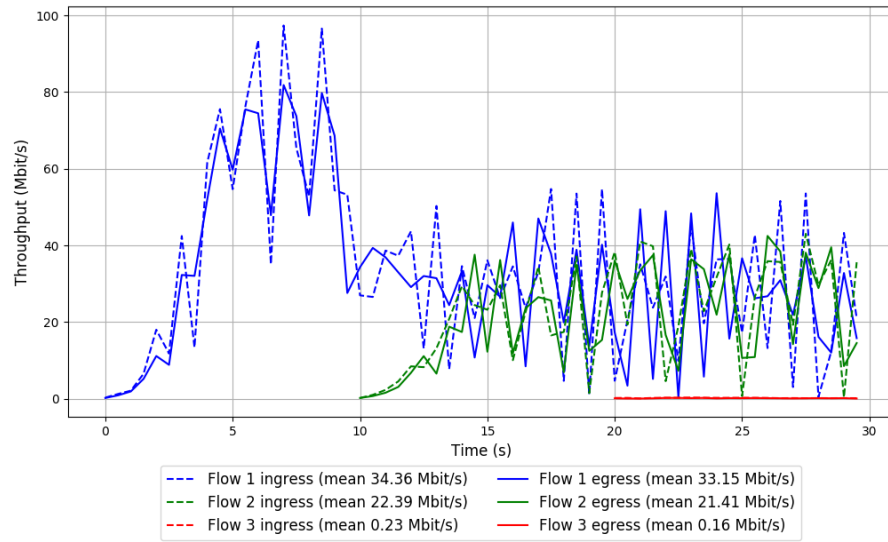


Run 6: Statistics of TCP BBR

Start at: 2018-01-26 12:23:01
End at: 2018-01-26 12:23:31
Local clock offset: -0.378 ms
Remote clock offset: -3.504 ms

Below is generated by plot.py at 2018-01-26 17:39:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.38 Mbit/s
95th percentile per-packet one-way delay: 165.953 ms
Loss rate: 4.68%
-- Flow 1:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 164.910 ms
Loss rate: 4.27%
-- Flow 2:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 169.680 ms
Loss rate: 5.50%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 165.942 ms
Loss rate: 32.19%

Run 6: Report of TCP BBR — Data Link

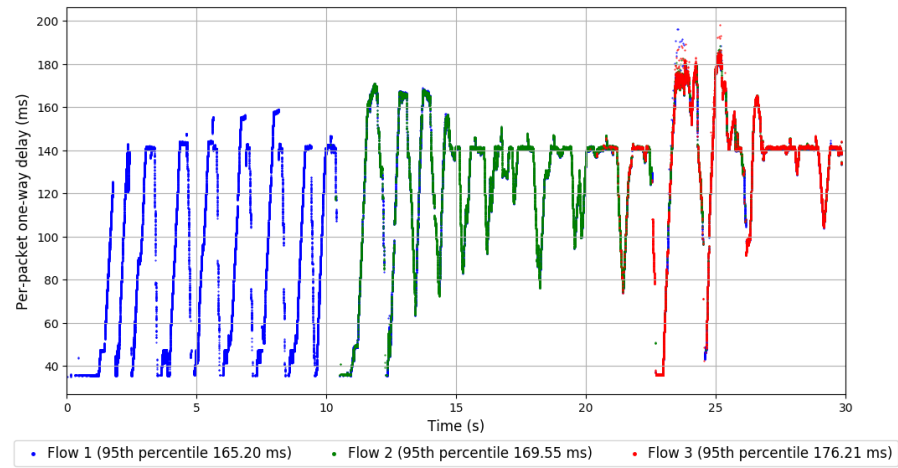
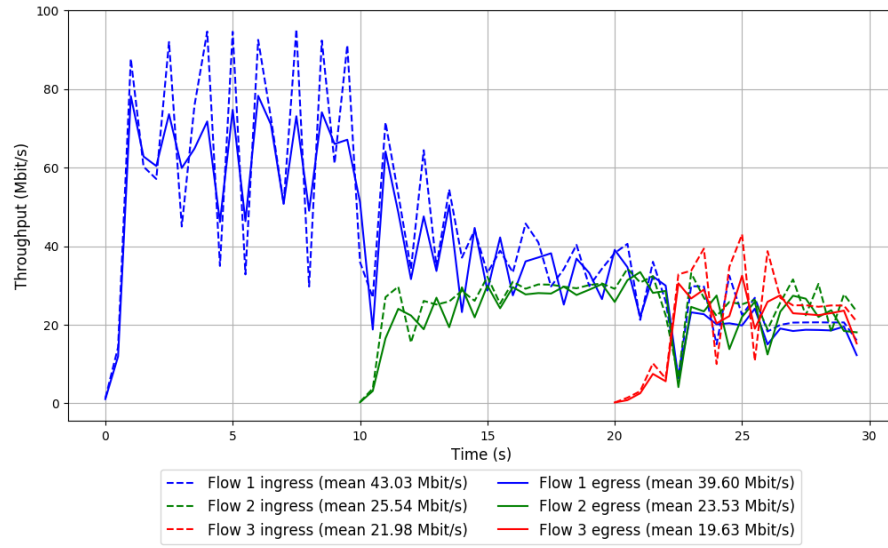


Run 7: Statistics of TCP BBR

Start at: 2018-01-26 12:44:17
End at: 2018-01-26 12:44:47
Local clock offset: -2.956 ms
Remote clock offset: -2.841 ms

Below is generated by plot.py at 2018-01-26 17:39:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.52 Mbit/s
95th percentile per-packet one-way delay: 167.598 ms
Loss rate: 8.99%
-- Flow 1:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 165.199 ms
Loss rate: 8.31%
-- Flow 2:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 169.553 ms
Loss rate: 9.02%
-- Flow 3:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 176.205 ms
Loss rate: 12.90%

Run 7: Report of TCP BBR — Data Link

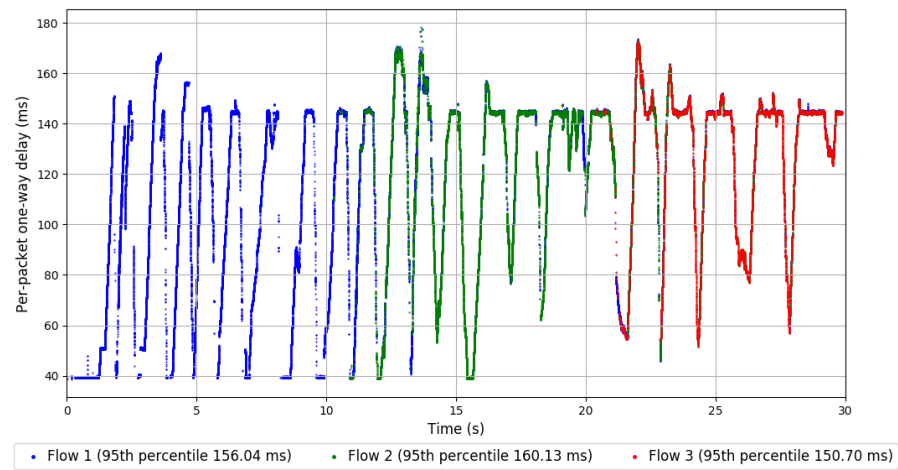
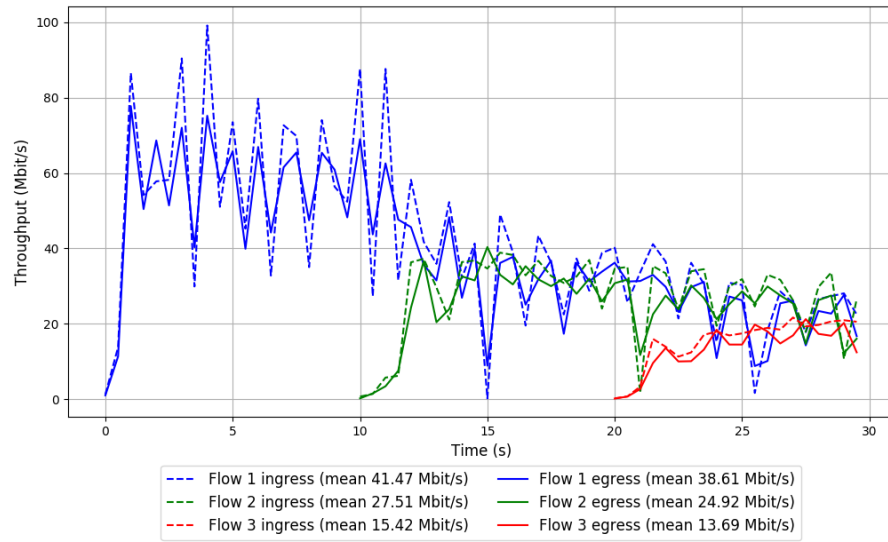


Run 8: Statistics of TCP BBR

Start at: 2018-01-26 13:04:57
End at: 2018-01-26 13:05:27
Local clock offset: 0.639 ms
Remote clock offset: -2.687 ms

Below is generated by plot.py at 2018-01-26 17:39:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 156.291 ms
Loss rate: 8.55%
-- Flow 1:
Average throughput: 38.61 Mbit/s
95th percentile per-packet one-way delay: 156.036 ms
Loss rate: 7.25%
-- Flow 2:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 160.135 ms
Loss rate: 10.16%
-- Flow 3:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 150.699 ms
Loss rate: 13.36%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-26 13:25:49

End at: 2018-01-26 13:26:19

Local clock offset: -1.648 ms

Remote clock offset: -3.22 ms

Below is generated by plot.py at 2018-01-26 17:40:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 174.140 ms

Loss rate: 8.92%

-- Flow 1:

Average throughput: 37.79 Mbit/s

95th percentile per-packet one-way delay: 169.901 ms

Loss rate: 7.56%

-- Flow 2:

Average throughput: 25.97 Mbit/s

95th percentile per-packet one-way delay: 175.424 ms

Loss rate: 9.81%

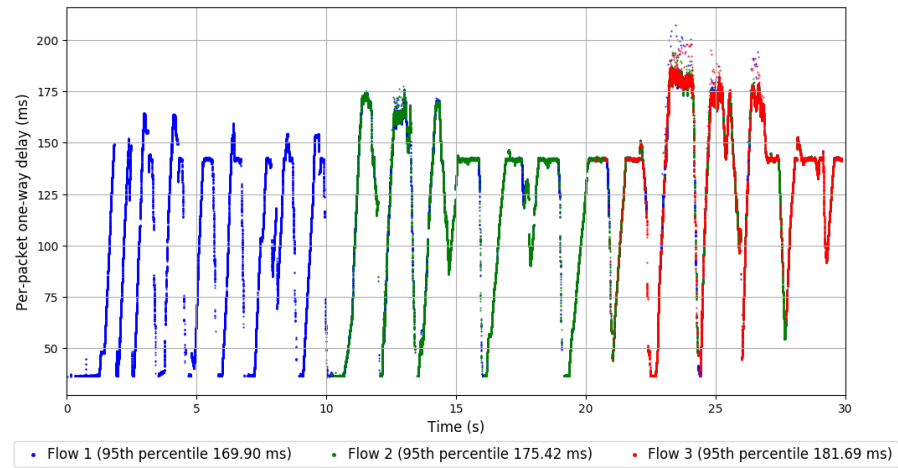
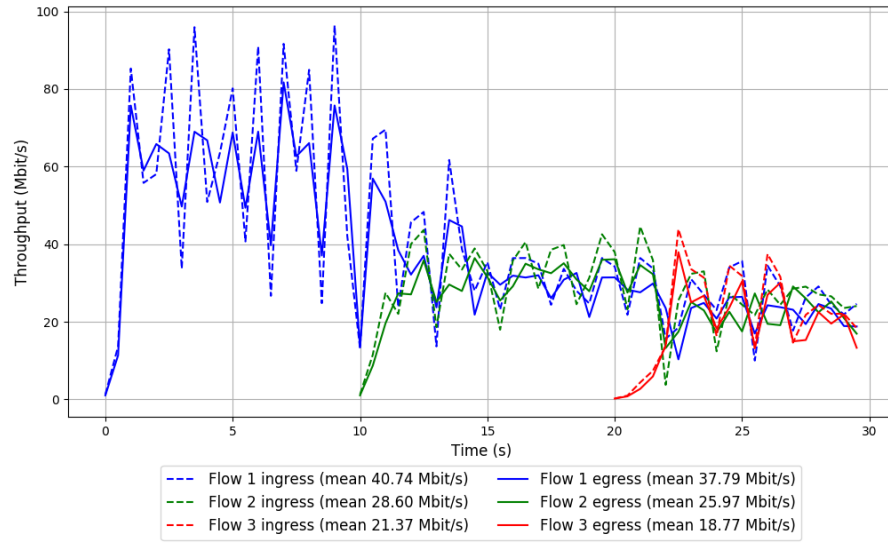
-- Flow 3:

Average throughput: 18.77 Mbit/s

95th percentile per-packet one-way delay: 181.688 ms

Loss rate: 14.29%

Run 9: Report of TCP BBR — Data Link

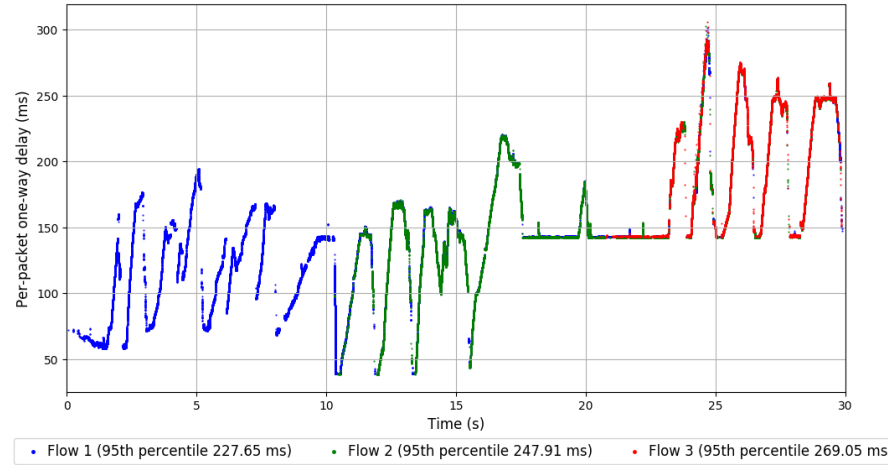
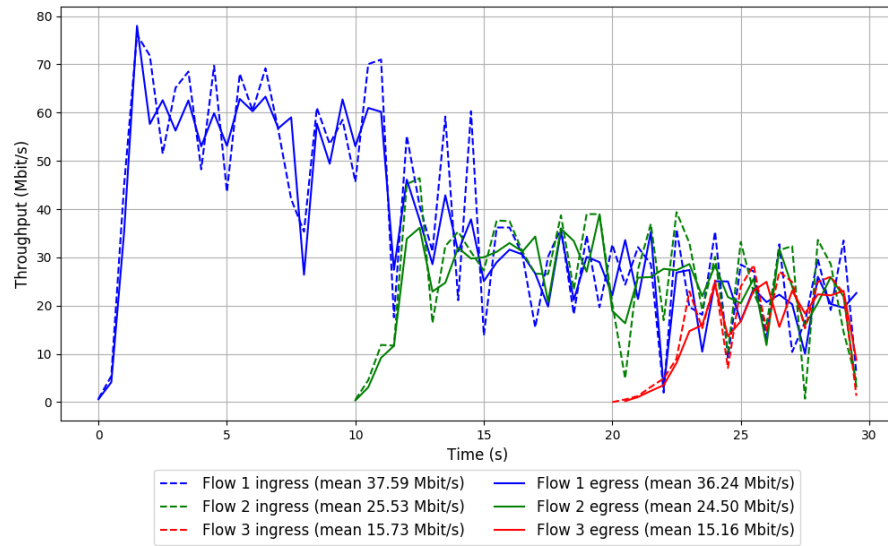


Run 10: Statistics of TCP BBR

Start at: 2018-01-26 13:46:26
End at: 2018-01-26 13:46:56
Local clock offset: 1.743 ms
Remote clock offset: -3.699 ms

Below is generated by plot.py at 2018-01-26 17:40:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 247.891 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 227.648 ms
Loss rate: 3.97%
-- Flow 2:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 247.906 ms
Loss rate: 5.45%
-- Flow 3:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 269.048 ms
Loss rate: 5.53%

Run 10: Report of TCP BBR — Data Link

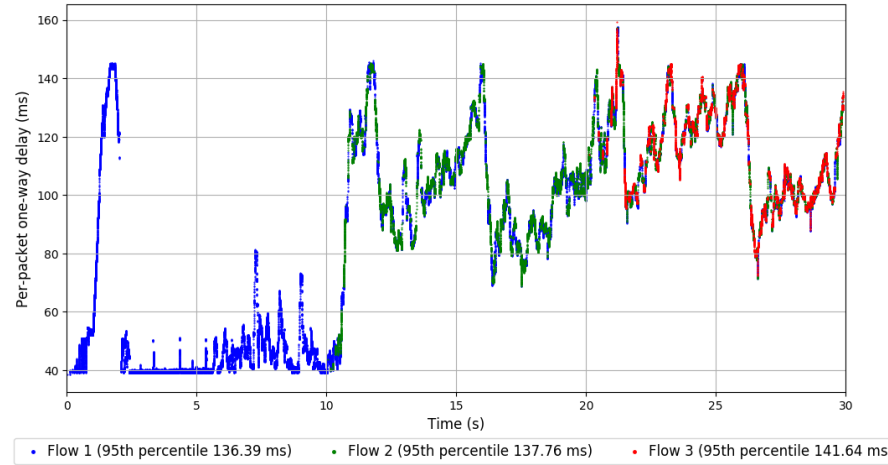
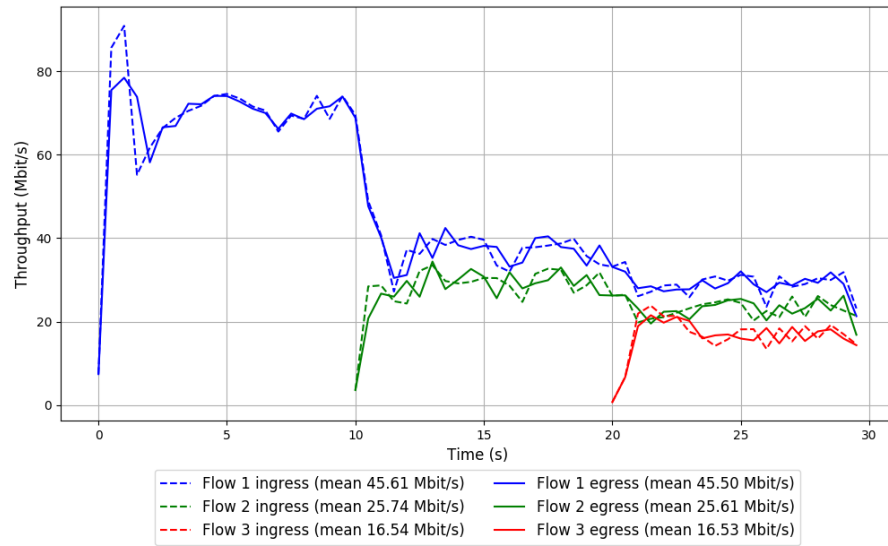


Run 1: Statistics of TCP Cubic

Start at: 2018-01-26 10:38:43
End at: 2018-01-26 10:39:13
Local clock offset: 0.338 ms
Remote clock offset: -7.257 ms

Below is generated by plot.py at 2018-01-26 17:40:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.90 Mbit/s
95th percentile per-packet one-way delay: 137.661 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 45.50 Mbit/s
95th percentile per-packet one-way delay: 136.390 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 25.61 Mbit/s
95th percentile per-packet one-way delay: 137.756 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 16.53 Mbit/s
95th percentile per-packet one-way delay: 141.644 ms
Loss rate: 1.66%

Run 1: Report of TCP Cubic — Data Link

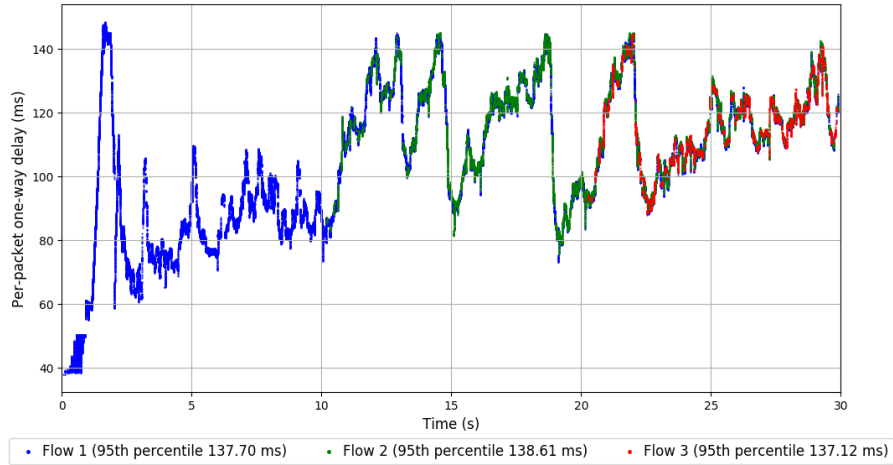
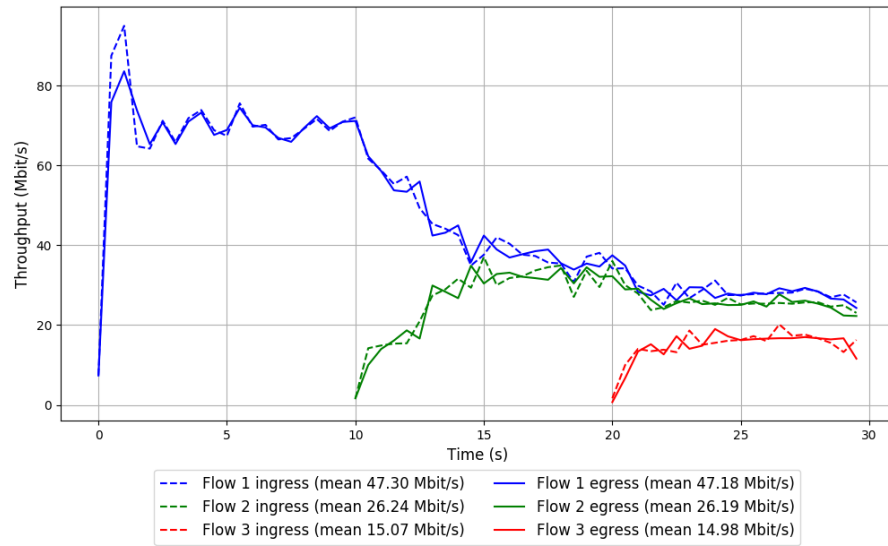


Run 2: Statistics of TCP Cubic

Start at: 2018-01-26 10:58:28
End at: 2018-01-26 10:58:58
Local clock offset: -0.186 ms
Remote clock offset: -6.916 ms

Below is generated by plot.py at 2018-01-26 17:40:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.44 Mbit/s
95th percentile per-packet one-way delay: 138.002 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 47.18 Mbit/s
95th percentile per-packet one-way delay: 137.697 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 138.607 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 137.116 ms
Loss rate: 1.96%

Run 2: Report of TCP Cubic — Data Link

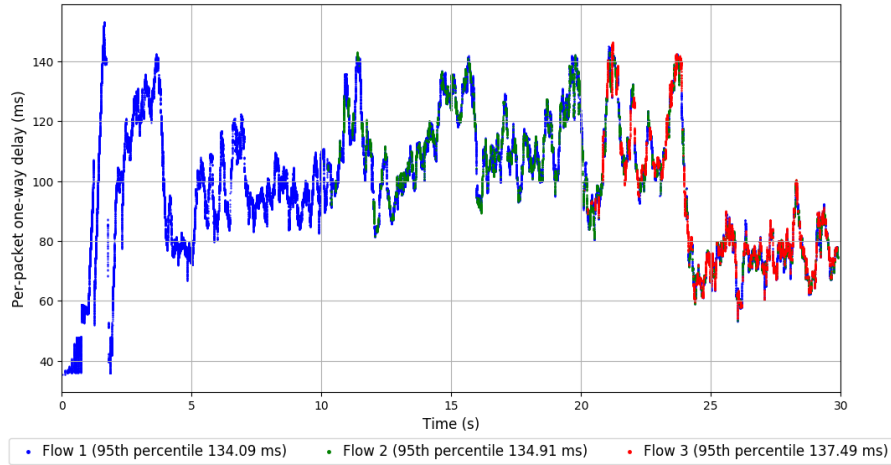
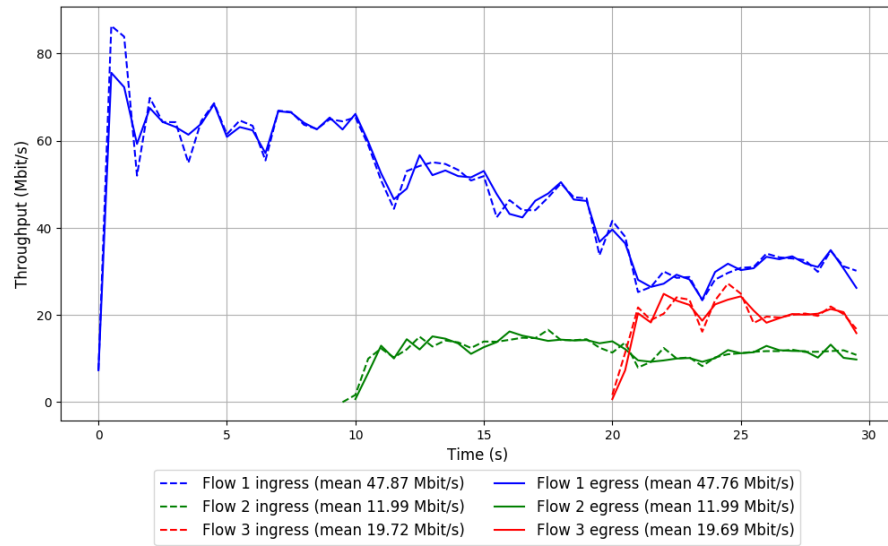


Run 3: Statistics of TCP Cubic

Start at: 2018-01-26 11:18:20
End at: 2018-01-26 11:18:50
Local clock offset: -2.834 ms
Remote clock offset: -6.379 ms

Below is generated by plot.py at 2018-01-26 17:40:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 134.634 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 134.094 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 134.908 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 19.69 Mbit/s
95th percentile per-packet one-way delay: 137.487 ms
Loss rate: 1.62%

Run 3: Report of TCP Cubic — Data Link

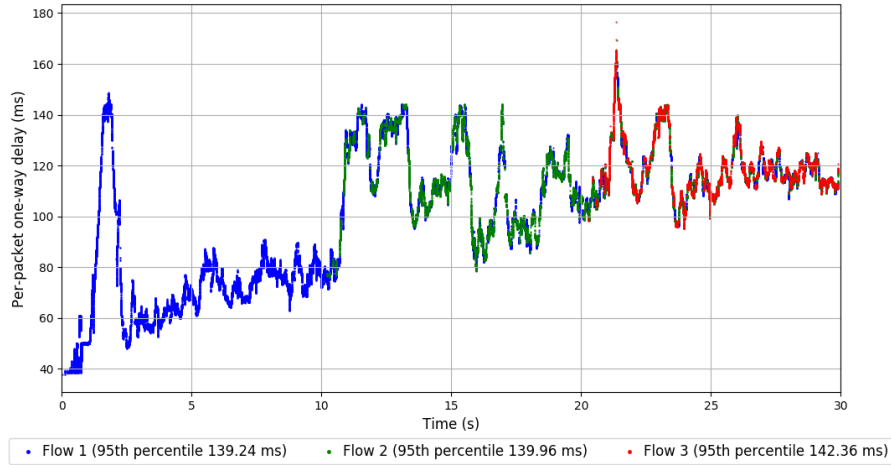
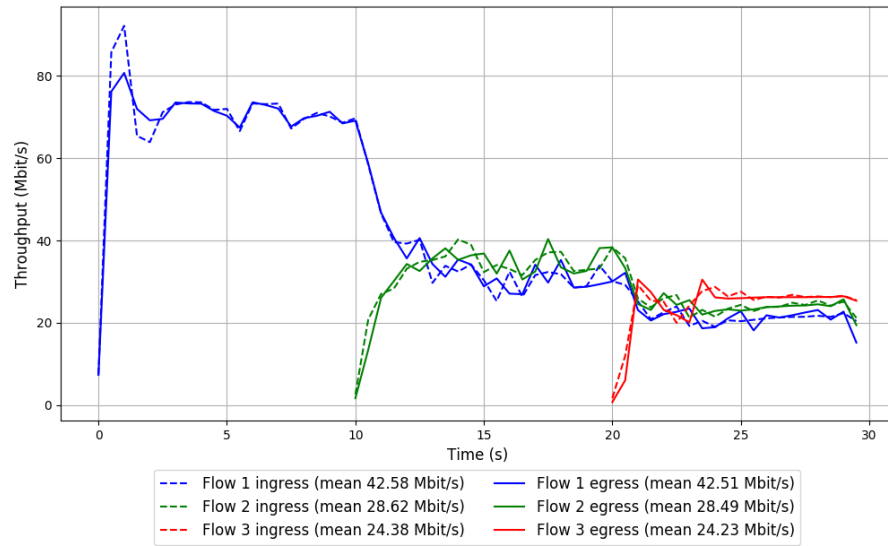


Run 4: Statistics of TCP Cubic

Start at: 2018-01-26 11:38:25
End at: 2018-01-26 11:38:55
Local clock offset: -1.025 ms
Remote clock offset: -5.416 ms

Below is generated by plot.py at 2018-01-26 17:40:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.33 Mbit/s
95th percentile per-packet one-way delay: 139.746 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 139.244 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 139.955 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 142.357 ms
Loss rate: 2.07%

Run 4: Report of TCP Cubic — Data Link

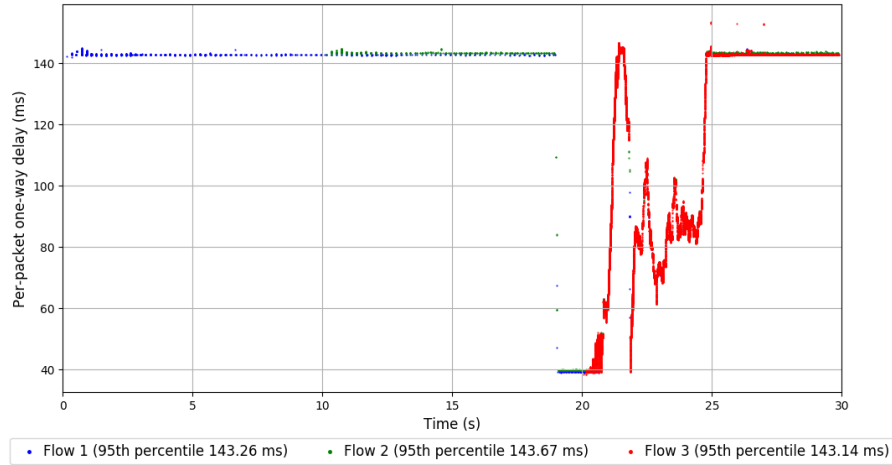
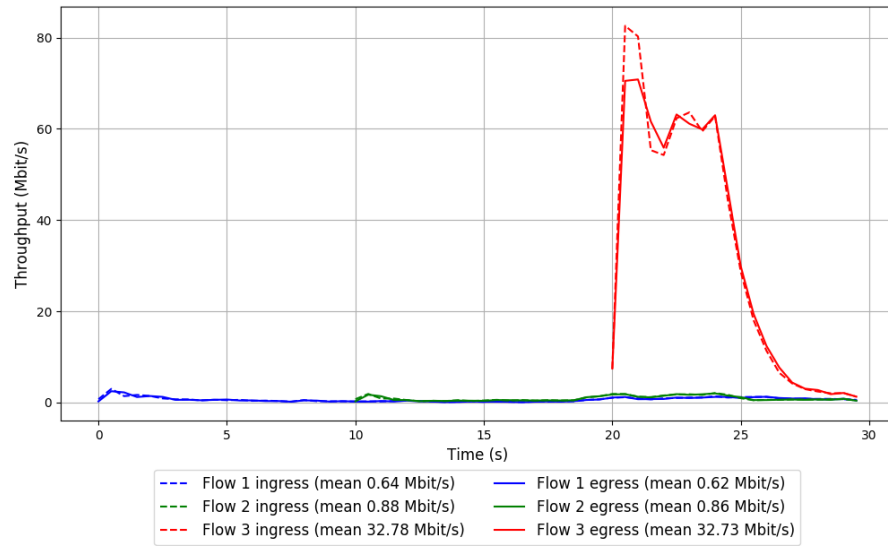


Run 5: Statistics of TCP Cubic

Start at: 2018-01-26 11:58:23
End at: 2018-01-26 11:58:53
Local clock offset: -0.222 ms
Remote clock offset: -4.362 ms

Below is generated by plot.py at 2018-01-26 17:40:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 143.441 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 143.265 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 143.671 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 143.137 ms
Loss rate: 1.09%

Run 5: Report of TCP Cubic — Data Link

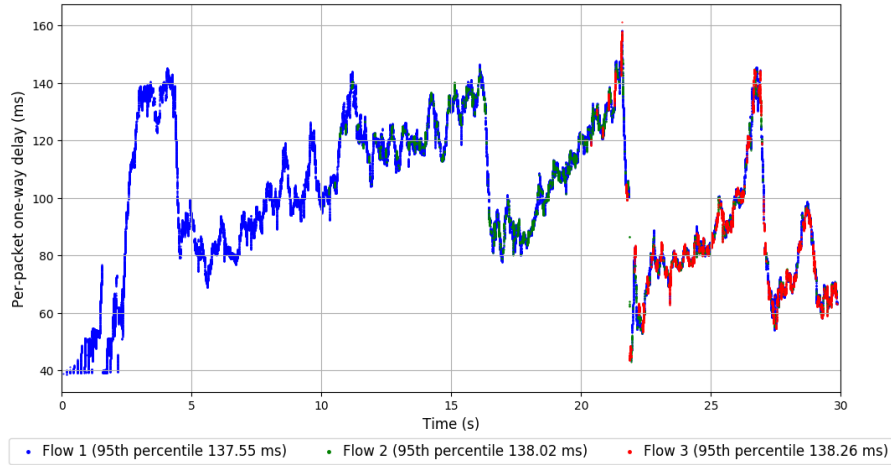
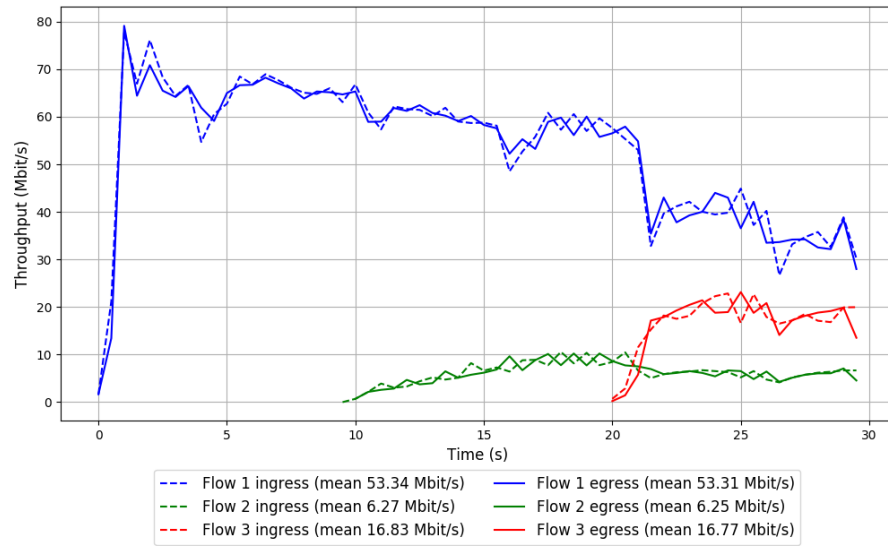


Run 6: Statistics of TCP Cubic

Start at: 2018-01-26 12:26:28
End at: 2018-01-26 12:26:58
Local clock offset: -0.461 ms
Remote clock offset: -3.557 ms

Below is generated by plot.py at 2018-01-26 17:40:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 137.621 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 53.31 Mbit/s
95th percentile per-packet one-way delay: 137.552 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 138.022 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 138.257 ms
Loss rate: 2.57%

Run 6: Report of TCP Cubic — Data Link

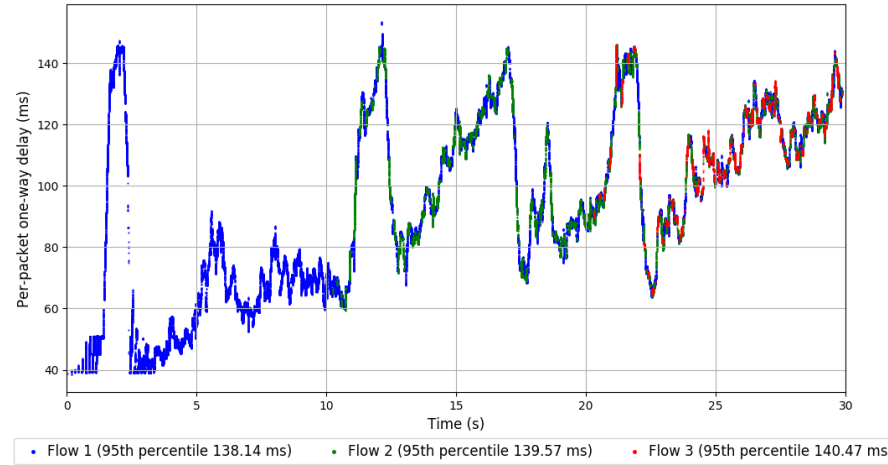
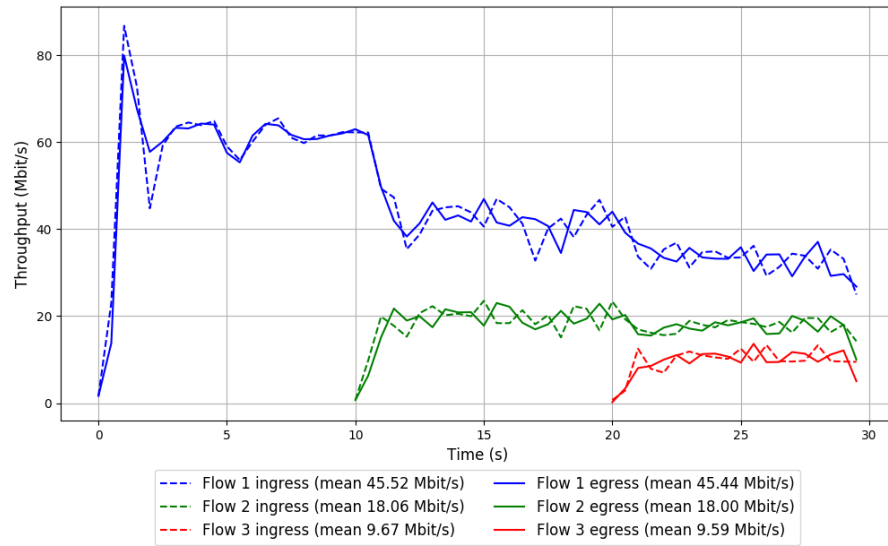


Run 7: Statistics of TCP Cubic

Start at: 2018-01-26 12:46:55
End at: 2018-01-26 12:47:25
Local clock offset: 0.175 ms
Remote clock offset: -2.803 ms

Below is generated by plot.py at 2018-01-26 17:40:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 138.554 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 138.136 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 18.00 Mbit/s
95th percentile per-packet one-way delay: 139.570 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 140.469 ms
Loss rate: 2.78%

Run 7: Report of TCP Cubic — Data Link

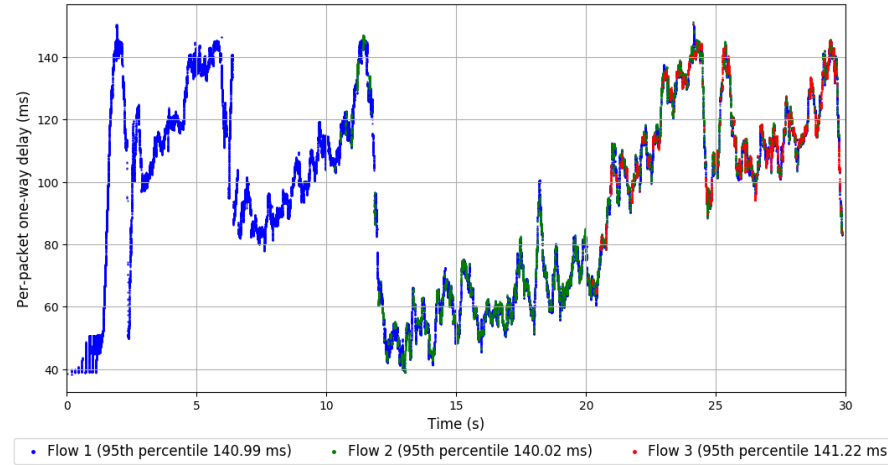
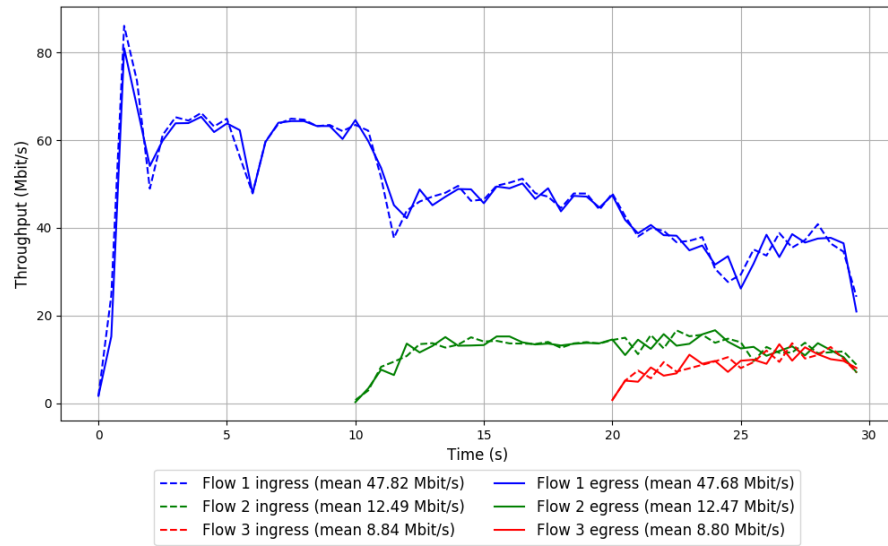


Run 8: Statistics of TCP Cubic

Start at: 2018-01-26 13:07:34
End at: 2018-01-26 13:08:04
Local clock offset: 0.506 ms
Remote clock offset: -2.741 ms

Below is generated by plot.py at 2018-01-26 17:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 140.871 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 140.990 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 140.024 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 141.225 ms
Loss rate: 2.14%

Run 8: Report of TCP Cubic — Data Link

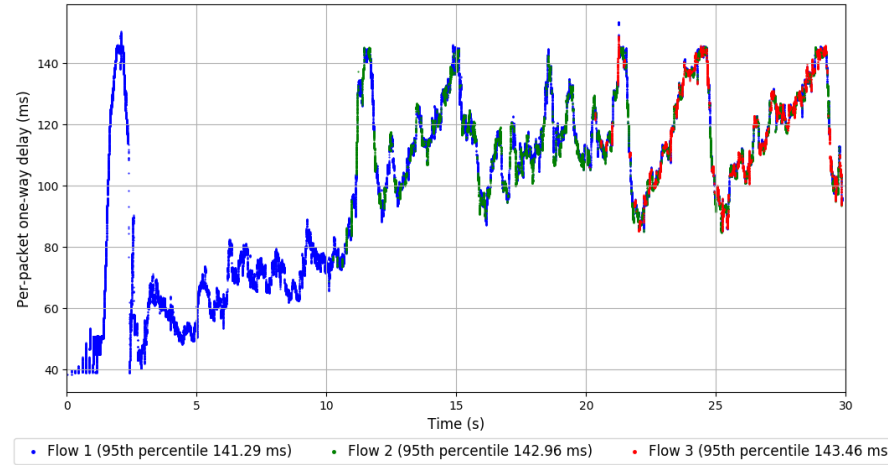
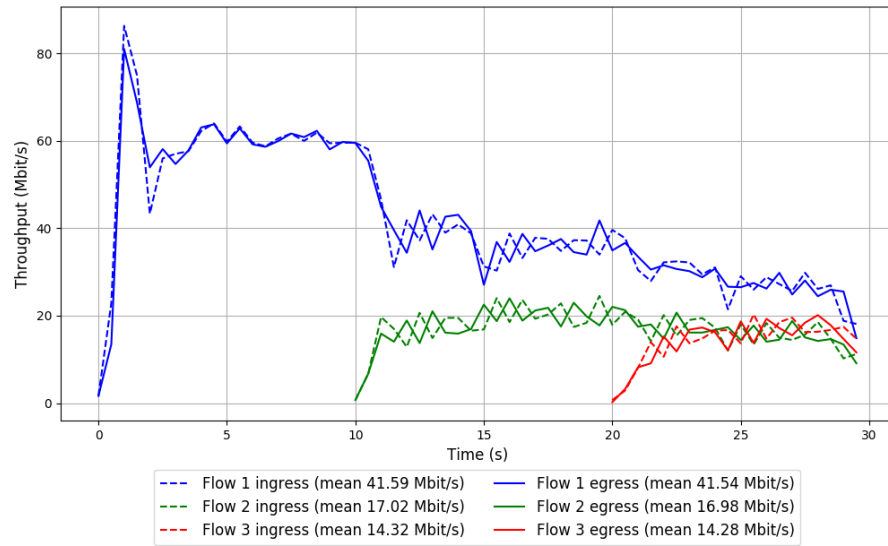


Run 9: Statistics of TCP Cubic

Start at: 2018-01-26 13:28:37
End at: 2018-01-26 13:29:07
Local clock offset: 1.337 ms
Remote clock offset: -3.295 ms

Below is generated by plot.py at 2018-01-26 17:41:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 142.457 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 141.288 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 16.98 Mbit/s
95th percentile per-packet one-way delay: 142.962 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 14.28 Mbit/s
95th percentile per-packet one-way delay: 143.459 ms
Loss rate: 2.31%

Run 9: Report of TCP Cubic — Data Link

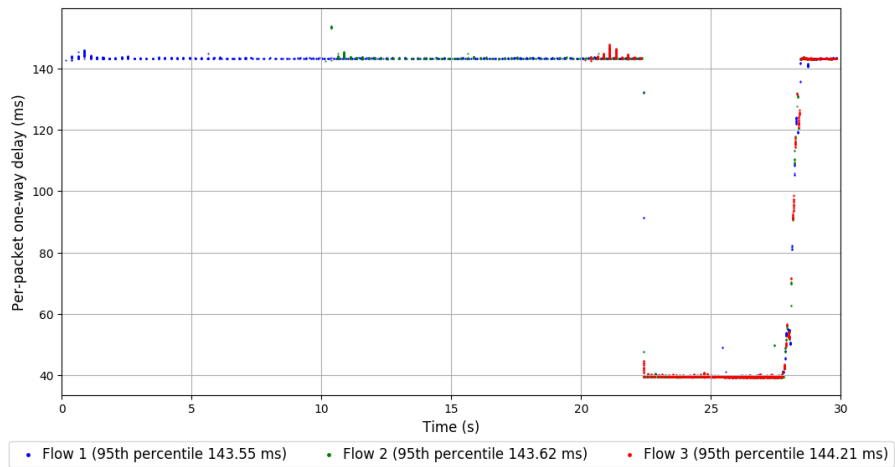
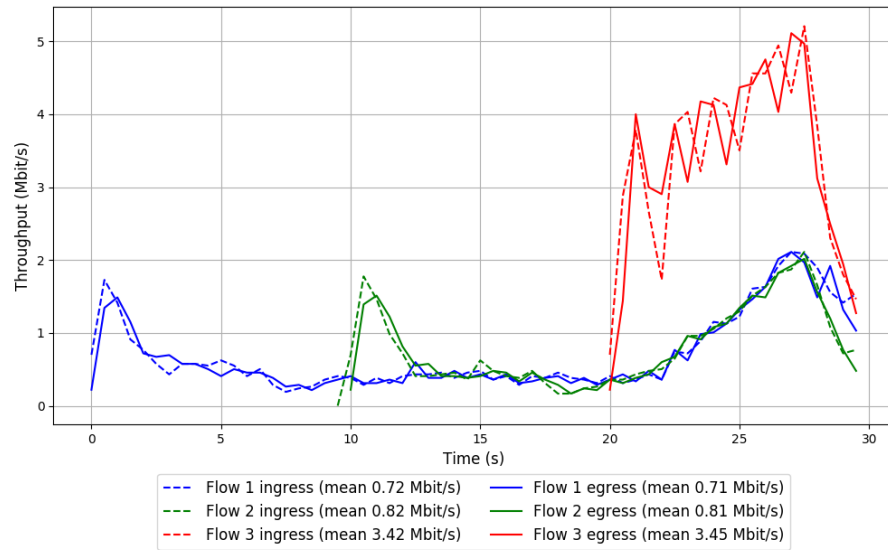


Run 10: Statistics of TCP Cubic

Start at: 2018-01-26 13:51:30
End at: 2018-01-26 13:52:00
Local clock offset: 2.047 ms
Remote clock offset: -3.839 ms

Below is generated by plot.py at 2018-01-26 17:41:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 143.744 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 143.553 ms
Loss rate: 3.27%
-- Flow 2:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 143.623 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 144.206 ms
Loss rate: 1.63%

Run 10: Report of TCP Cubic — Data Link

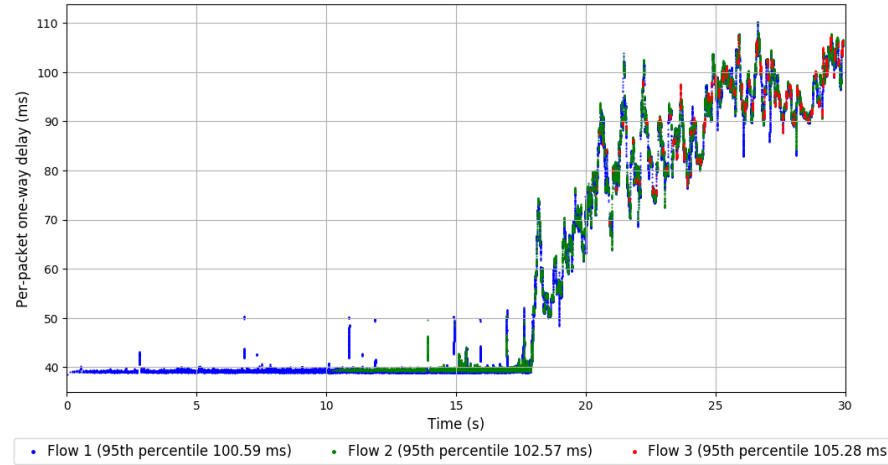
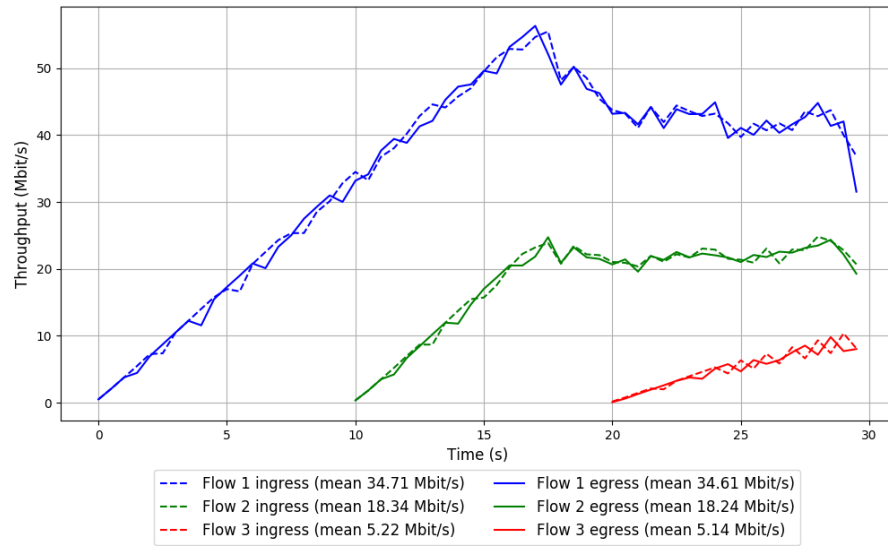


Run 1: Statistics of LEDBAT

Start at: 2018-01-26 10:39:58
End at: 2018-01-26 10:40:28
Local clock offset: 0.185 ms
Remote clock offset: -7.209 ms

Below is generated by plot.py at 2018-01-26 17:41:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: 101.676 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 100.594 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 102.566 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 5.14 Mbit/s
95th percentile per-packet one-way delay: 105.280 ms
Loss rate: 2.67%

Run 1: Report of LEDBAT — Data Link

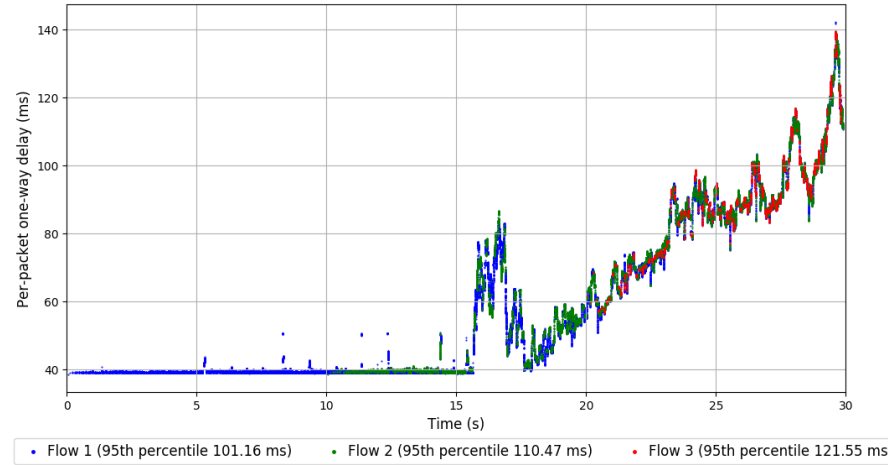
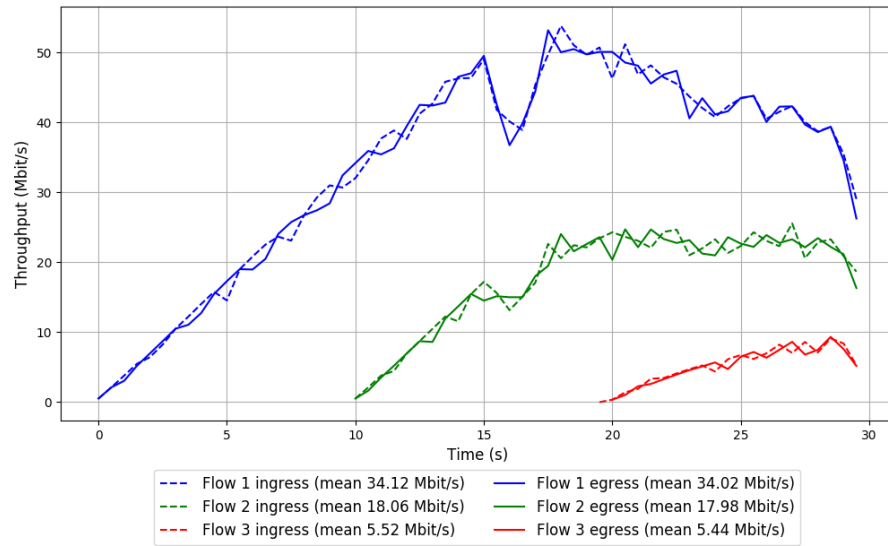


Run 2: Statistics of LEDBAT

Start at: 2018-01-26 10:59:42
End at: 2018-01-26 11:00:12
Local clock offset: -0.292 ms
Remote clock offset: -6.805 ms

Below is generated by plot.py at 2018-01-26 17:41:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.74 Mbit/s
95th percentile per-packet one-way delay: 105.520 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 101.160 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 17.98 Mbit/s
95th percentile per-packet one-way delay: 110.474 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 121.553 ms
Loss rate: 2.42%

Run 2: Report of LEDBAT — Data Link

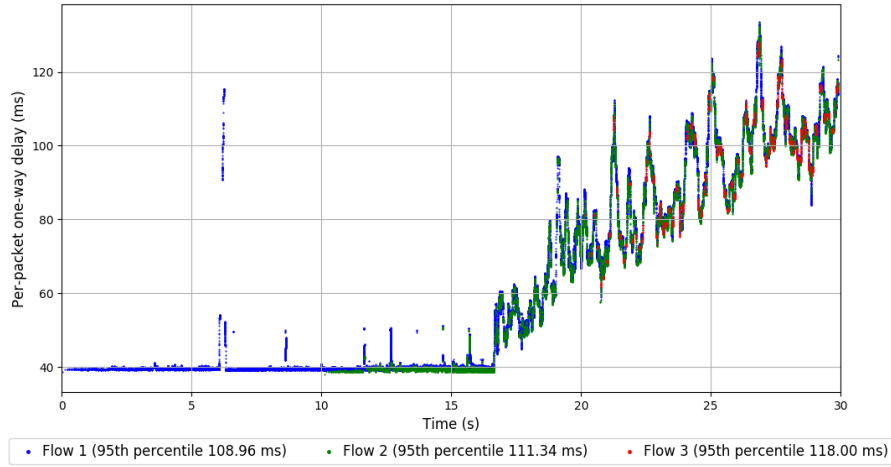
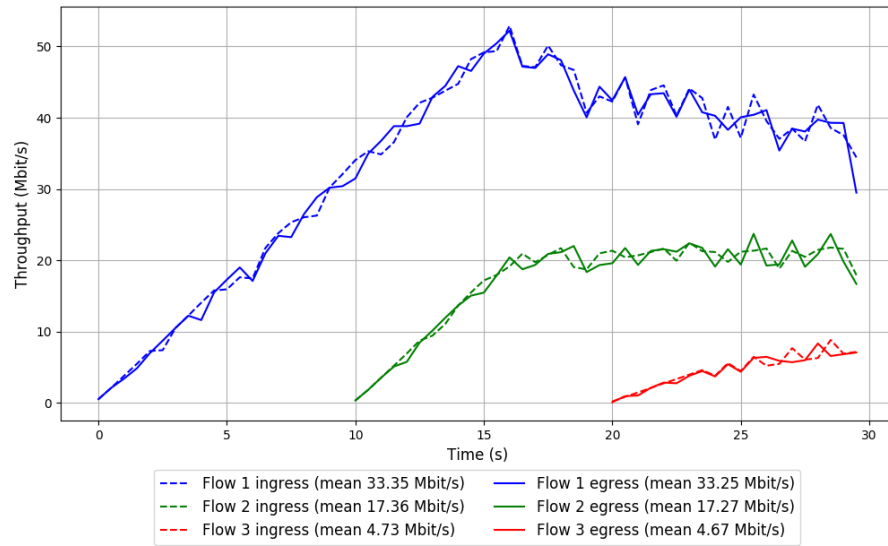


Run 3: Statistics of LEDBAT

Start at: 2018-01-26 11:19:34
End at: 2018-01-26 11:20:04
Local clock offset: -0.224 ms
Remote clock offset: -6.279 ms

Below is generated by plot.py at 2018-01-26 17:41:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 110.402 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 108.956 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 111.337 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 117.999 ms
Loss rate: 2.60%

Run 3: Report of LEDBAT — Data Link

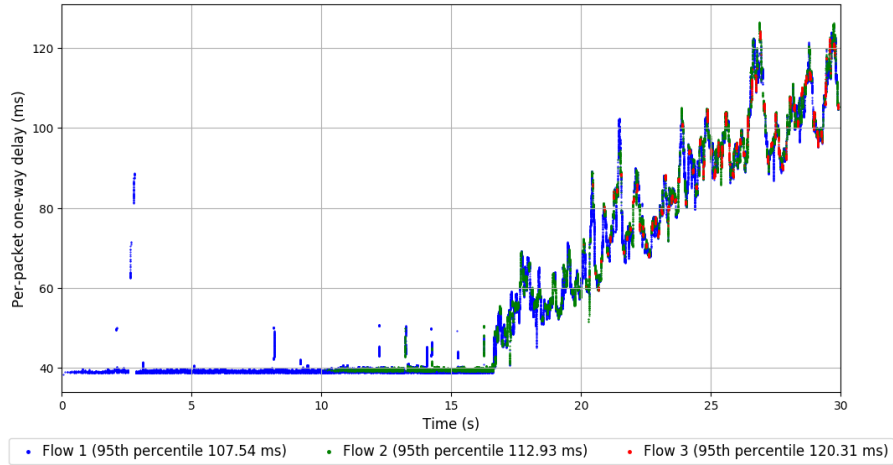
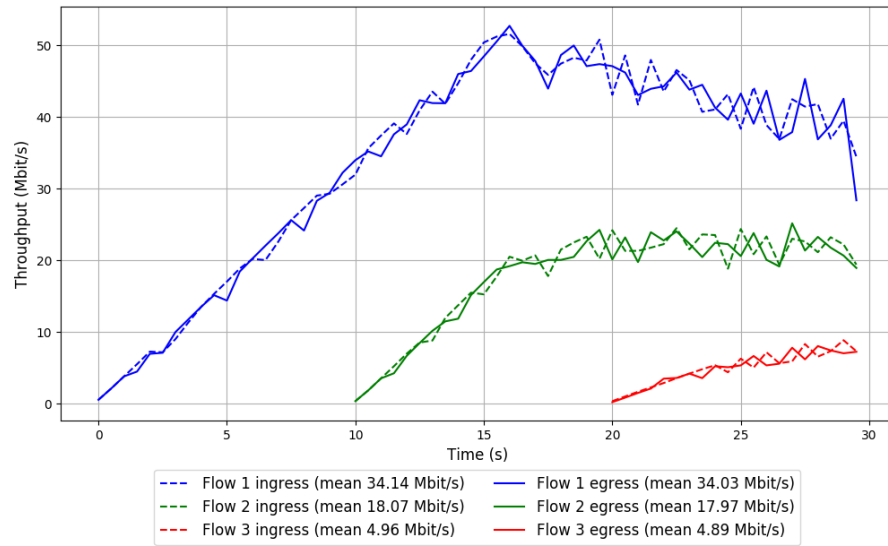


Run 4: Statistics of LEDBAT

Start at: 2018-01-26 11:39:39
End at: 2018-01-26 11:40:09
Local clock offset: -0.383 ms
Remote clock offset: -5.279 ms

Below is generated by plot.py at 2018-01-26 17:41:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.55 Mbit/s
95th percentile per-packet one-way delay: 111.271 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 34.03 Mbit/s
95th percentile per-packet one-way delay: 107.539 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 17.97 Mbit/s
95th percentile per-packet one-way delay: 112.934 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 120.305 ms
Loss rate: 2.50%

Run 4: Report of LEDBAT — Data Link

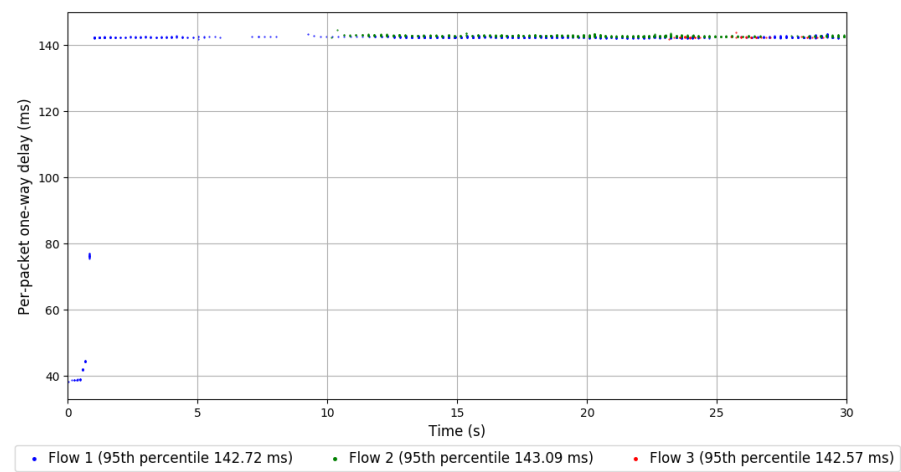
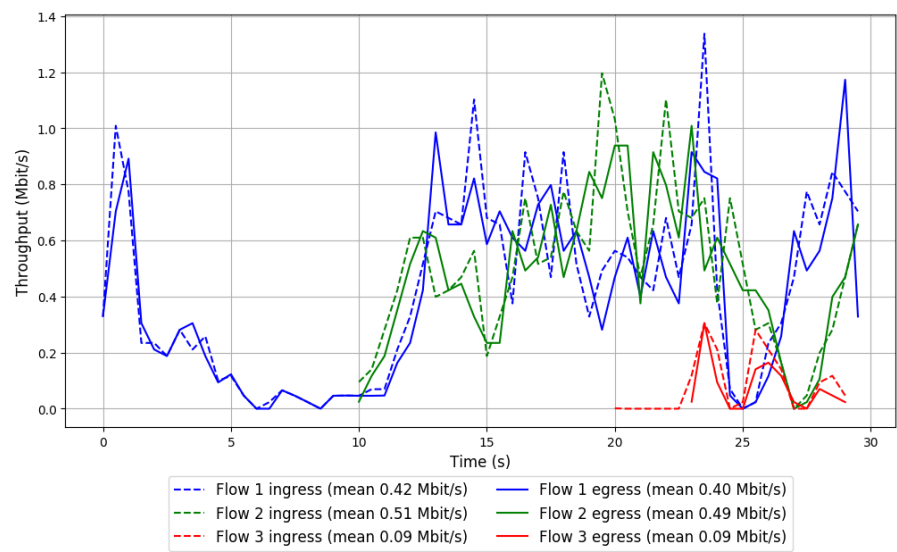


Run 5: Statistics of LEDBAT

Start at: 2018-01-26 11:59:57
End at: 2018-01-26 12:00:27
Local clock offset: -0.431 ms
Remote clock offset: -4.207 ms

Below is generated by plot.py at 2018-01-26 17:41:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 143.005 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 142.716 ms
Loss rate: 4.42%
-- Flow 2:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 143.085 ms
Loss rate: 3.50%
-- Flow 3:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 142.570 ms
Loss rate: 34.87%

Run 5: Report of LEDBAT — Data Link

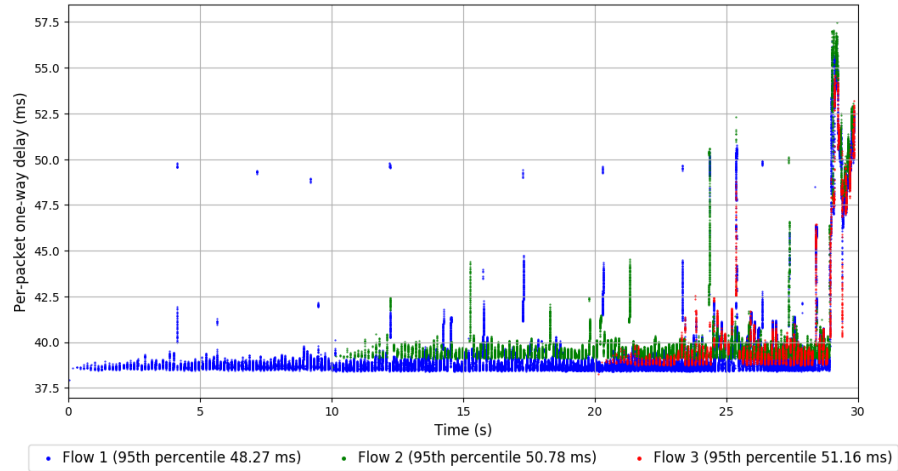
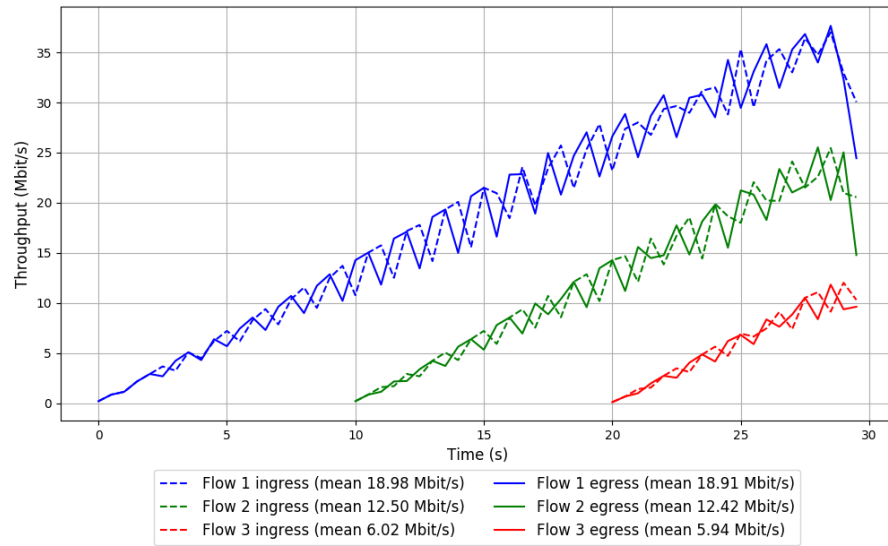


Run 6: Statistics of LEDBAT

Start at: 2018-01-26 12:27:45
End at: 2018-01-26 12:28:15
Local clock offset: -0.38 ms
Remote clock offset: -3.402 ms

Below is generated by plot.py at 2018-01-26 17:41:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 49.361 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 18.91 Mbit/s
95th percentile per-packet one-way delay: 48.275 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 50.785 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 51.161 ms
Loss rate: 2.81%

Run 6: Report of LEDBAT — Data Link

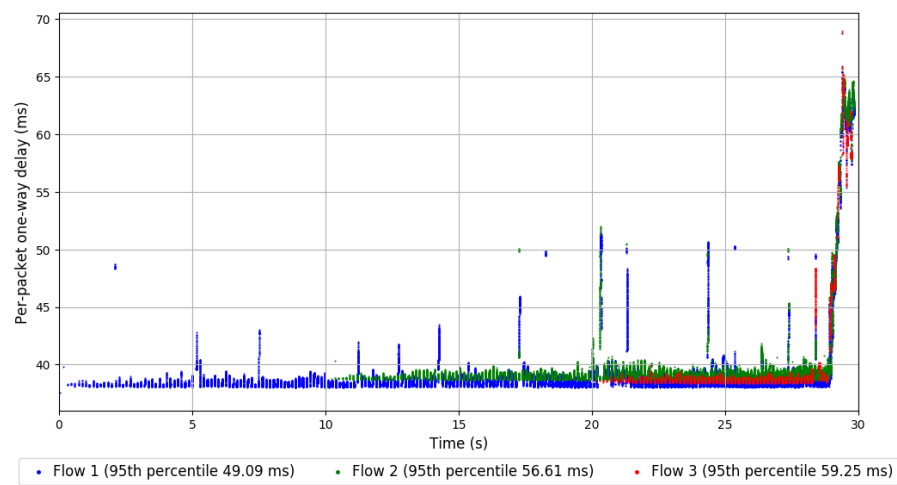
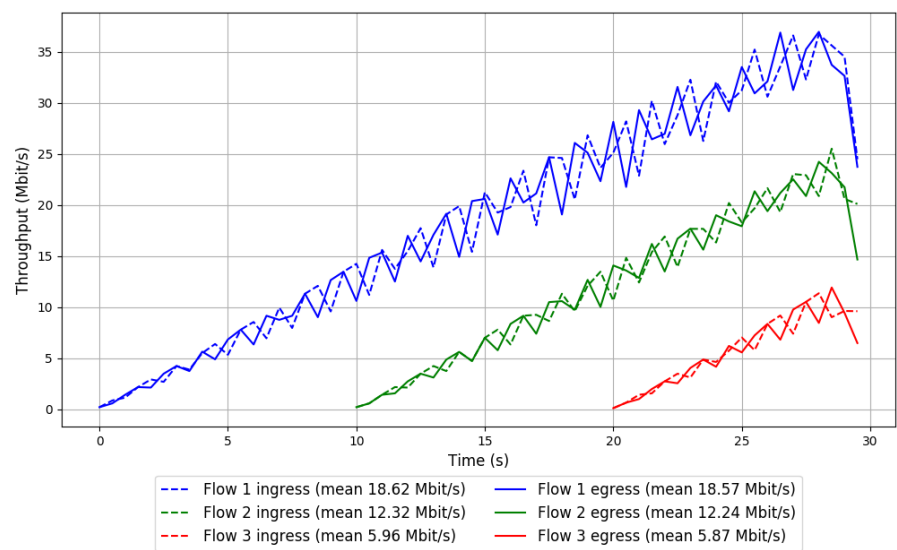


Run 7: Statistics of LEDBAT

Start at: 2018-01-26 12:48:13
End at: 2018-01-26 12:48:43
Local clock offset: -0.531 ms
Remote clock offset: -2.757 ms

Below is generated by plot.py at 2018-01-26 17:41:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 51.154 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 49.092 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 12.24 Mbit/s
95th percentile per-packet one-way delay: 56.610 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 59.254 ms
Loss rate: 2.85%

Run 7: Report of LEDBAT — Data Link

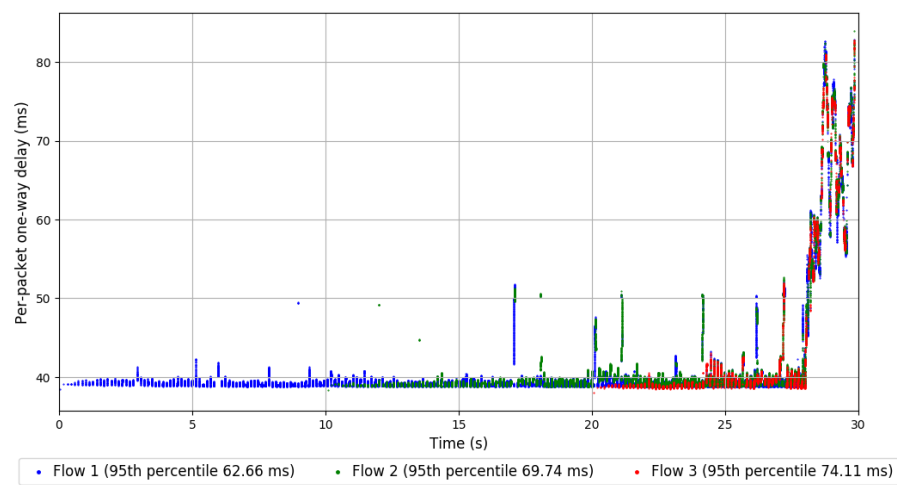
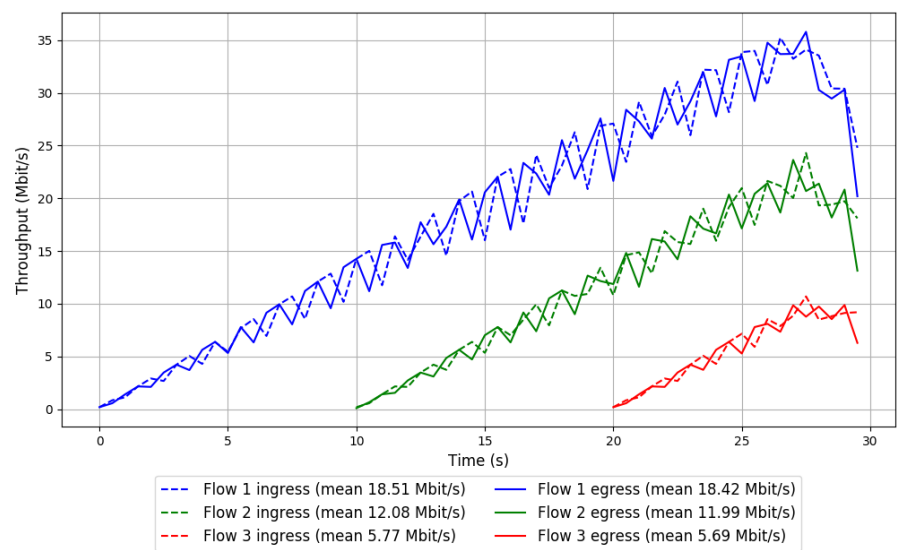


Run 8: Statistics of LEDBAT

Start at: 2018-01-26 13:08:52
End at: 2018-01-26 13:09:22
Local clock offset: 0.464 ms
Remote clock offset: -2.786 ms

Below is generated by plot.py at 2018-01-26 17:41:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 67.867 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 62.657 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 69.738 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 5.69 Mbit/s
95th percentile per-packet one-way delay: 74.111 ms
Loss rate: 2.72%

Run 8: Report of LEDBAT — Data Link

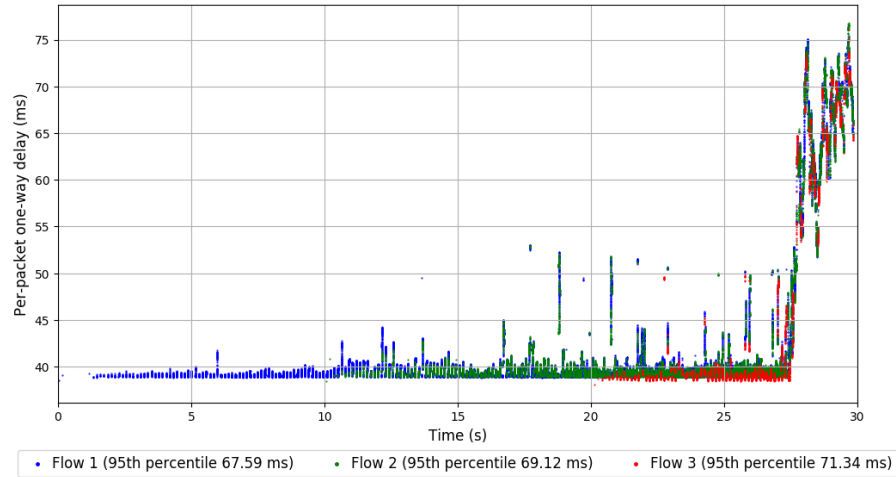
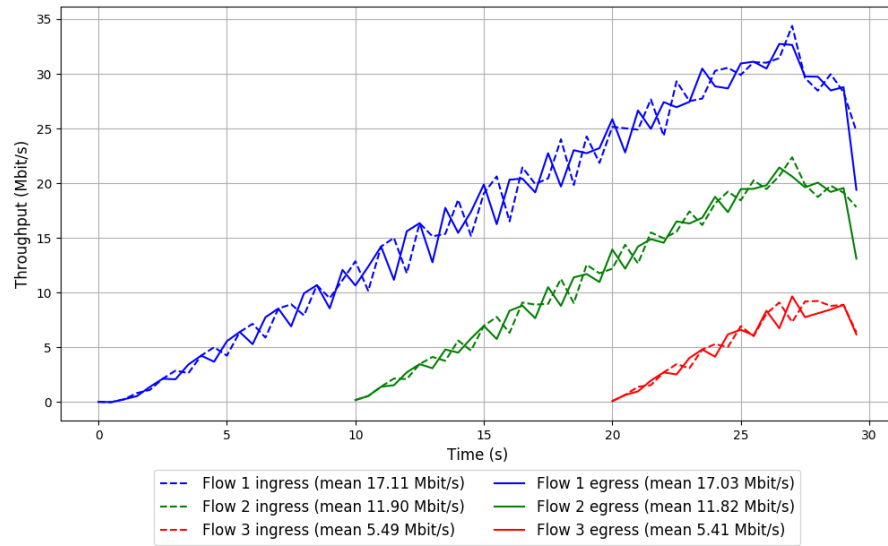


Run 9: Statistics of LEDBAT

Start at: 2018-01-26 13:29:54
End at: 2018-01-26 13:30:24
Local clock offset: 1.188 ms
Remote clock offset: -3.256 ms

Below is generated by plot.py at 2018-01-26 17:41:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 68.793 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 67.586 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 69.121 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 71.338 ms
Loss rate: 2.84%

Run 9: Report of LEDBAT — Data Link

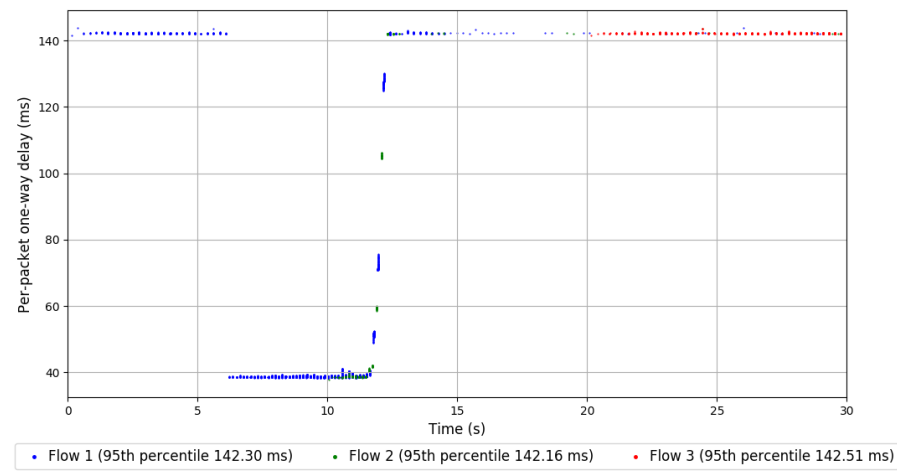
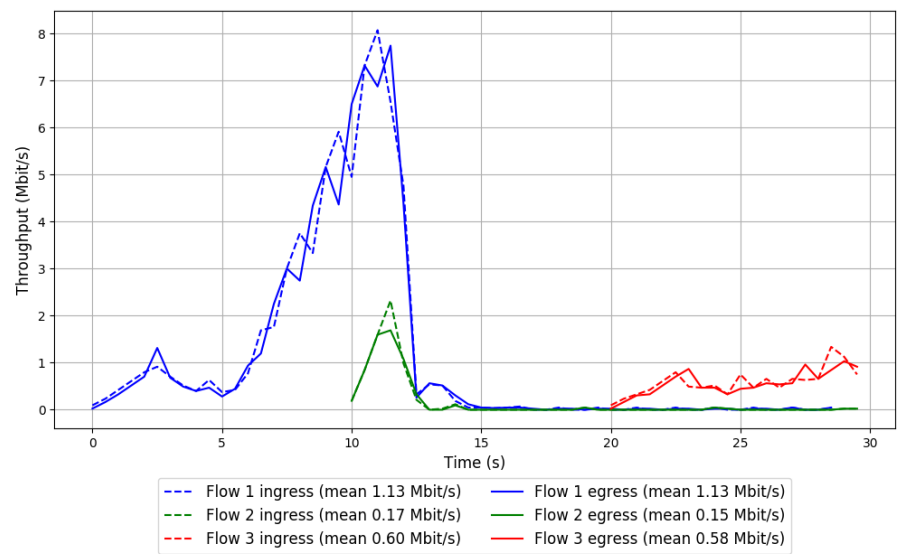


Run 10: Statistics of LEDBAT

Start at: 2018-01-26 13:52:56
End at: 2018-01-26 13:53:26
Local clock offset: 1.726 ms
Remote clock offset: -3.878 ms

Below is generated by plot.py at 2018-01-26 17:41:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 142.357 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 142.297 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 142.163 ms
Loss rate: 7.27%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 142.506 ms
Loss rate: 5.37%

Run 10: Report of LEDBAT — Data Link

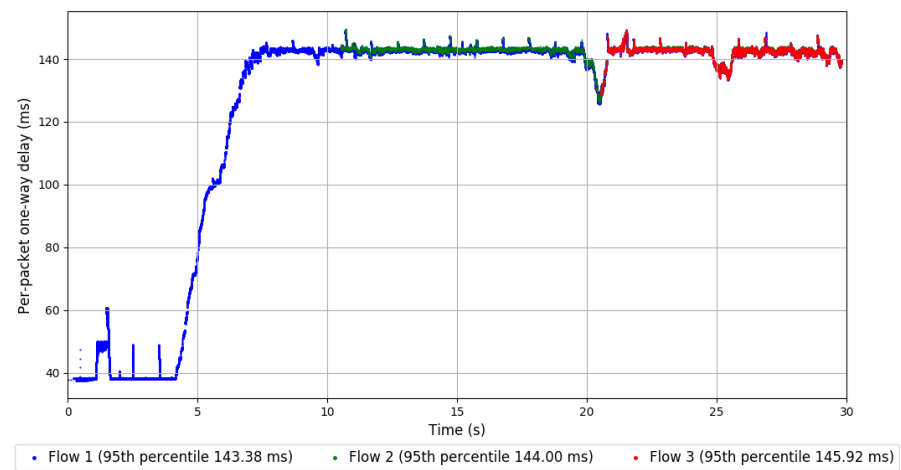
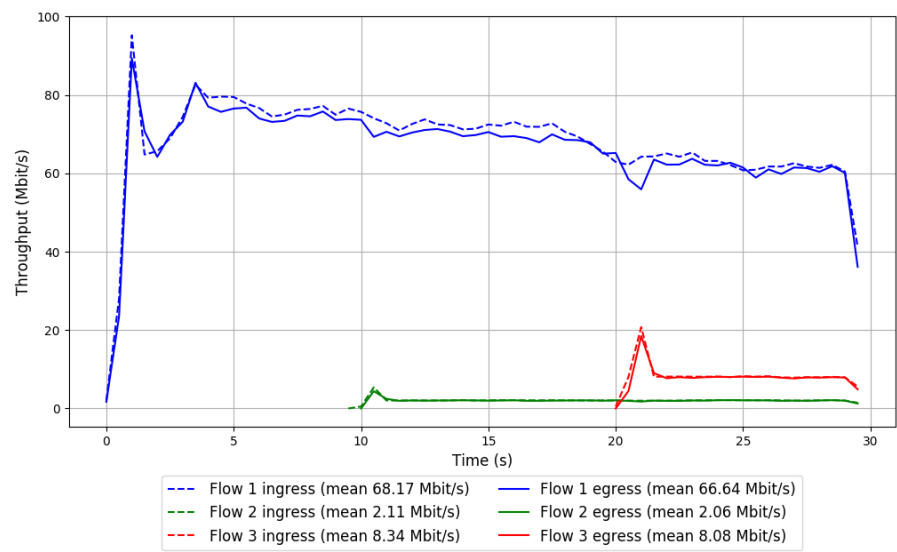


Run 1: Statistics of PCC

Start at: 2018-01-26 10:52:14
End at: 2018-01-26 10:52:44
Local clock offset: -0.637 ms
Remote clock offset: -7.099 ms

Below is generated by plot.py at 2018-01-26 17:42:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.61 Mbit/s
95th percentile per-packet one-way delay: 143.442 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 143.378 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 144.000 ms
Loss rate: 3.44%
-- Flow 3:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 145.919 ms
Loss rate: 4.96%

Run 1: Report of PCC — Data Link

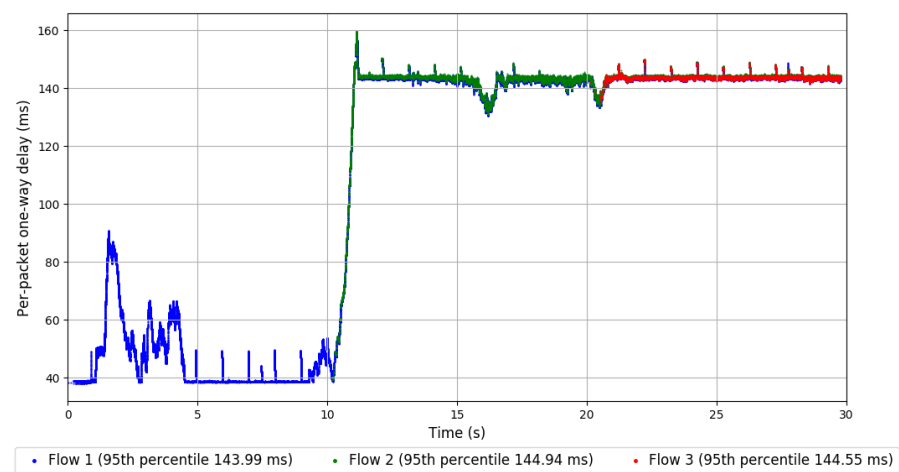
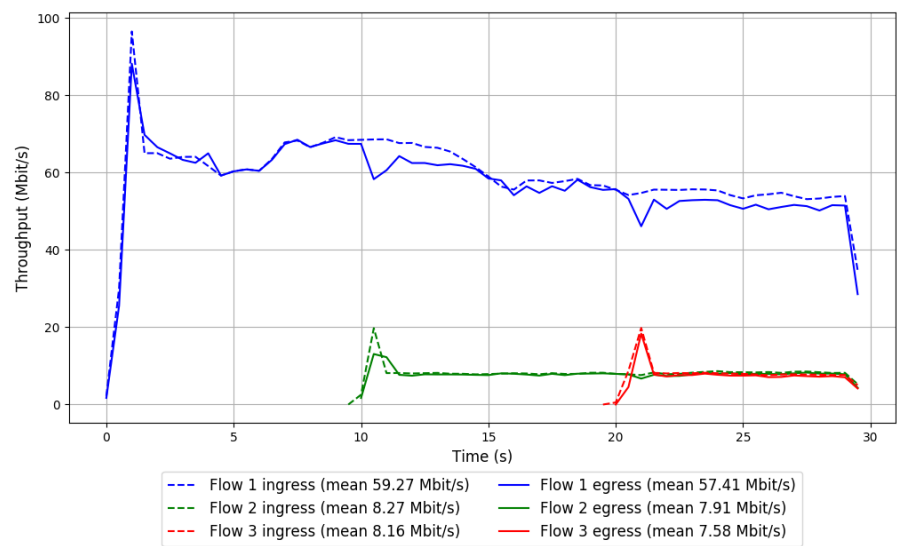


Run 2: Statistics of PCC

Start at: 2018-01-26 11:12:09
End at: 2018-01-26 11:12:39
Local clock offset: 0.001 ms
Remote clock offset: -6.511 ms

Below is generated by plot.py at 2018-01-26 17:42:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 144.142 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 57.41 Mbit/s
95th percentile per-packet one-way delay: 143.989 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 144.945 ms
Loss rate: 4.82%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 144.550 ms
Loss rate: 8.93%

Run 2: Report of PCC — Data Link

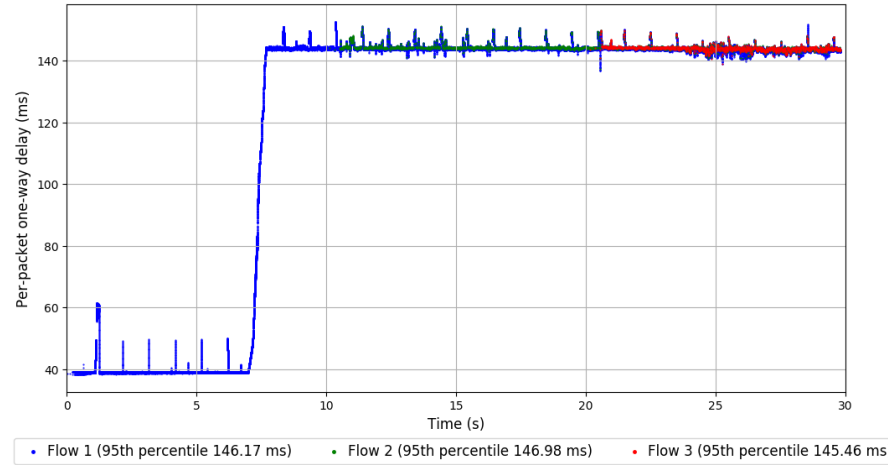
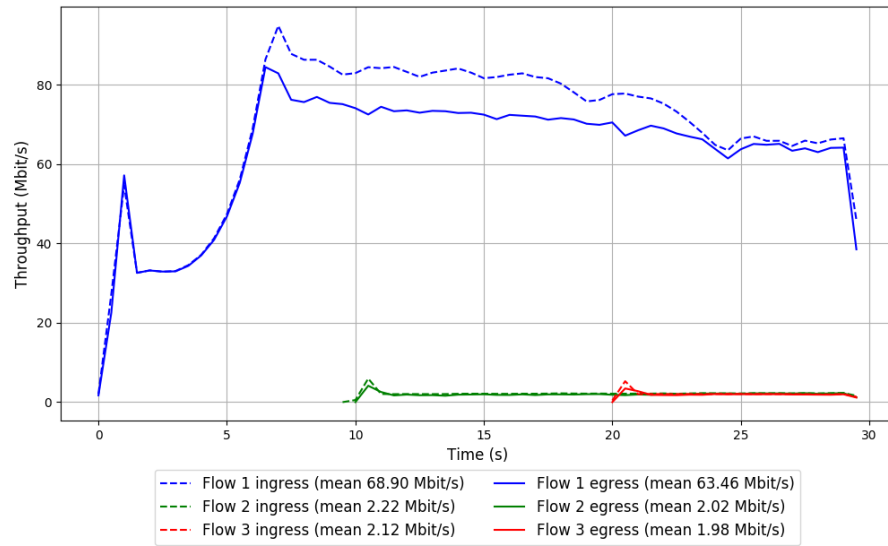


Run 3: Statistics of PCC

Start at: 2018-01-26 11:32:11
End at: 2018-01-26 11:32:41
Local clock offset: -0.217 ms
Remote clock offset: -5.845 ms

Below is generated by plot.py at 2018-01-26 17:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.44 Mbit/s
95th percentile per-packet one-way delay: 146.191 ms
Loss rate: 8.19%
-- Flow 1:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 146.167 ms
Loss rate: 8.15%
-- Flow 2:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 146.983 ms
Loss rate: 9.91%
-- Flow 3:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 145.461 ms
Loss rate: 8.44%

Run 3: Report of PCC — Data Link

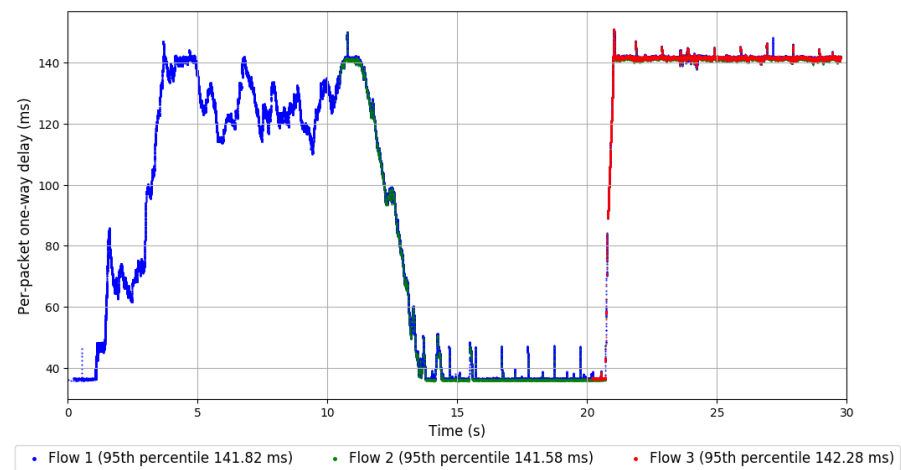
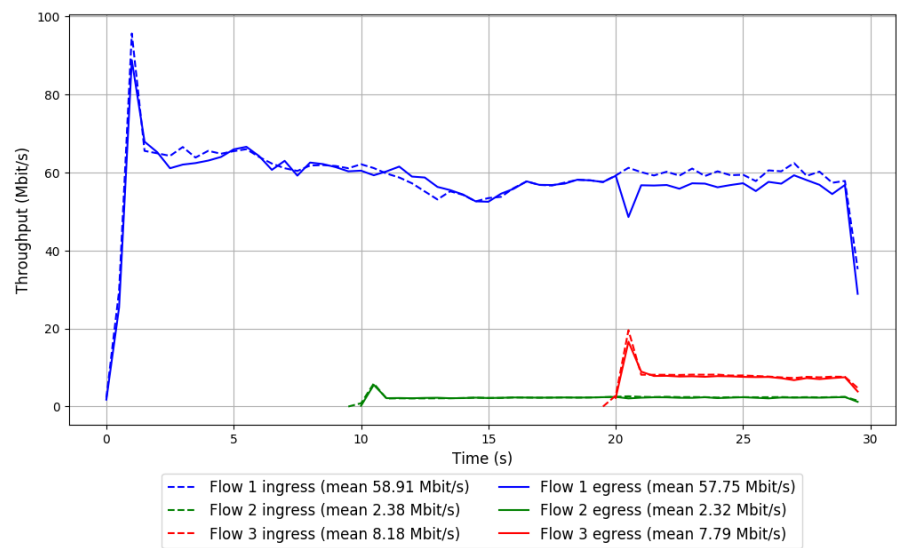


Run 4: Statistics of PCC

Start at: 2018-01-26 11:52:11
End at: 2018-01-26 11:52:41
Local clock offset: -3.228 ms
Remote clock offset: -4.604 ms

Below is generated by plot.py at 2018-01-26 17:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 141.846 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 141.823 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 141.583 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 142.278 ms
Loss rate: 5.59%

Run 4: Report of PCC — Data Link

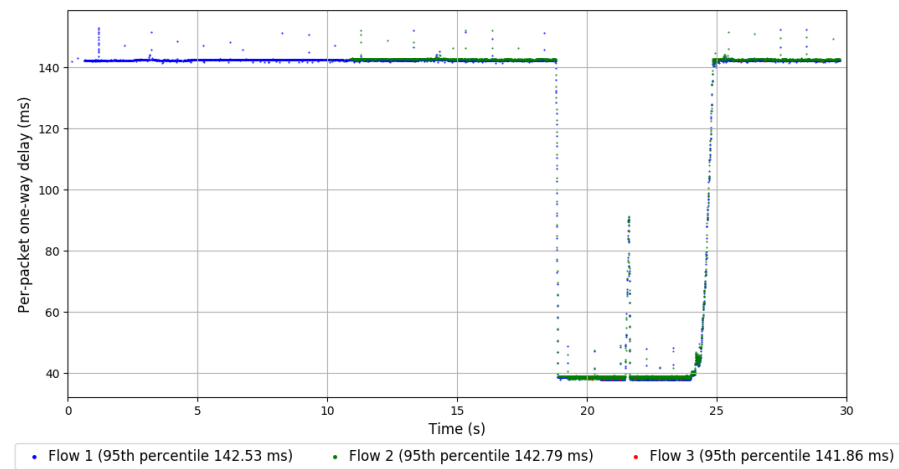
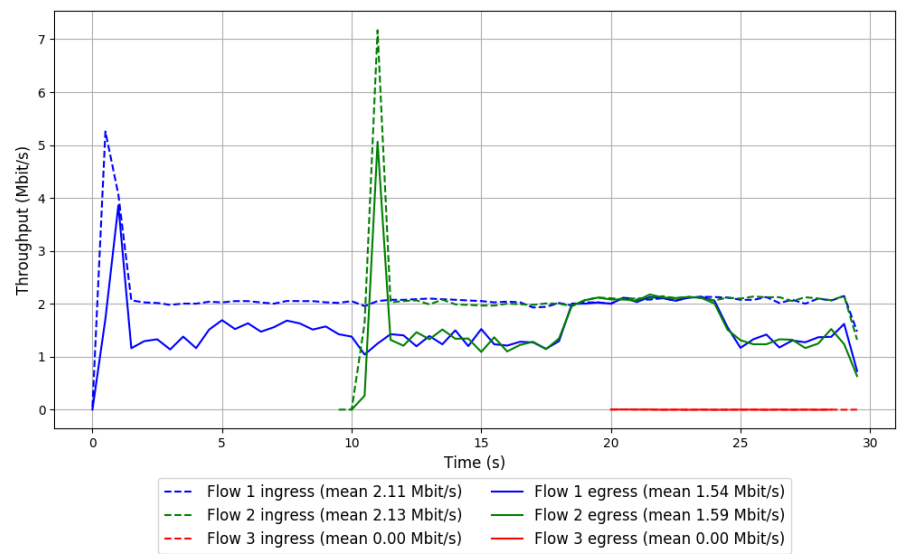


Run 5: Statistics of PCC

Start at: 2018-01-26 12:18:41
End at: 2018-01-26 12:19:11
Local clock offset: -0.489 ms
Remote clock offset: -3.614 ms

Below is generated by plot.py at 2018-01-26 17:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 142.732 ms
Loss rate: 26.89%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 142.531 ms
Loss rate: 27.27%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 142.786 ms
Loss rate: 26.33%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 141.857 ms
Loss rate: 6.01%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

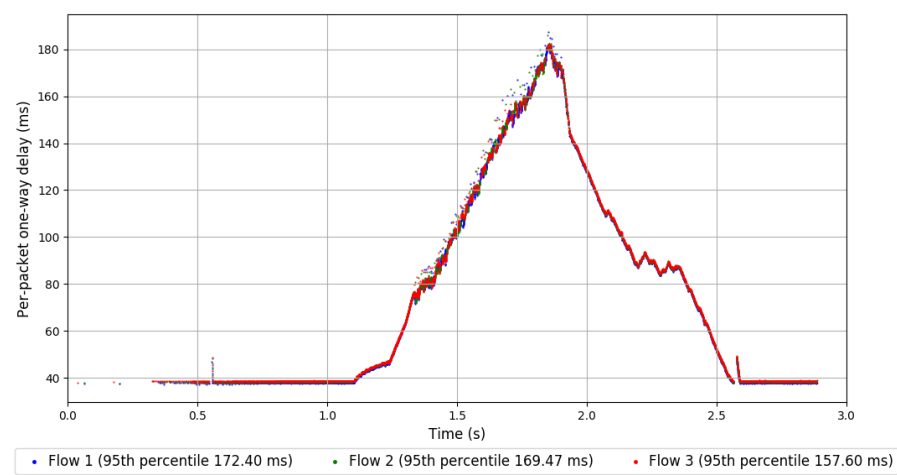
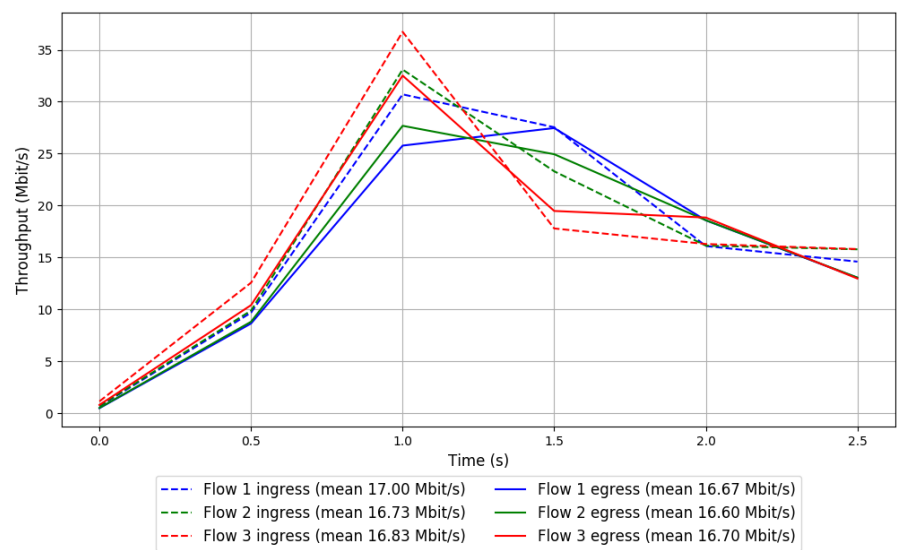
Start at: 2018-01-26 12:40:32

End at: 2018-01-26 12:41:02

Local clock offset: -0.76 ms

Remote clock offset: -2.957 ms

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

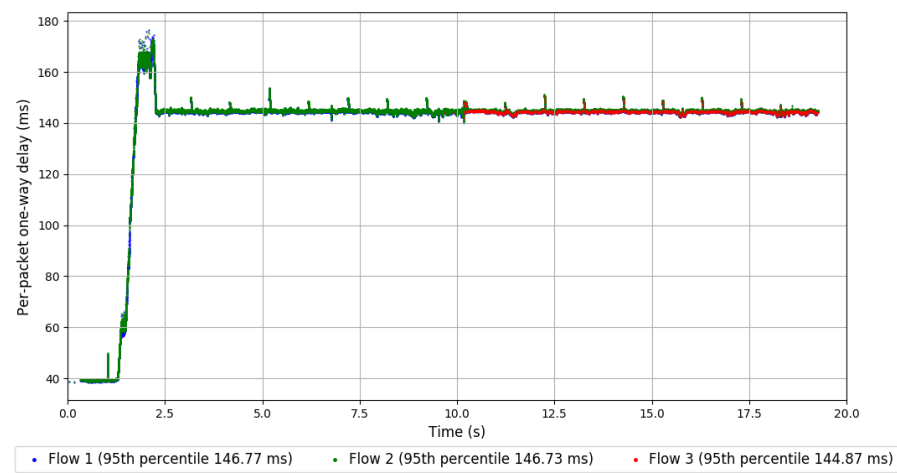
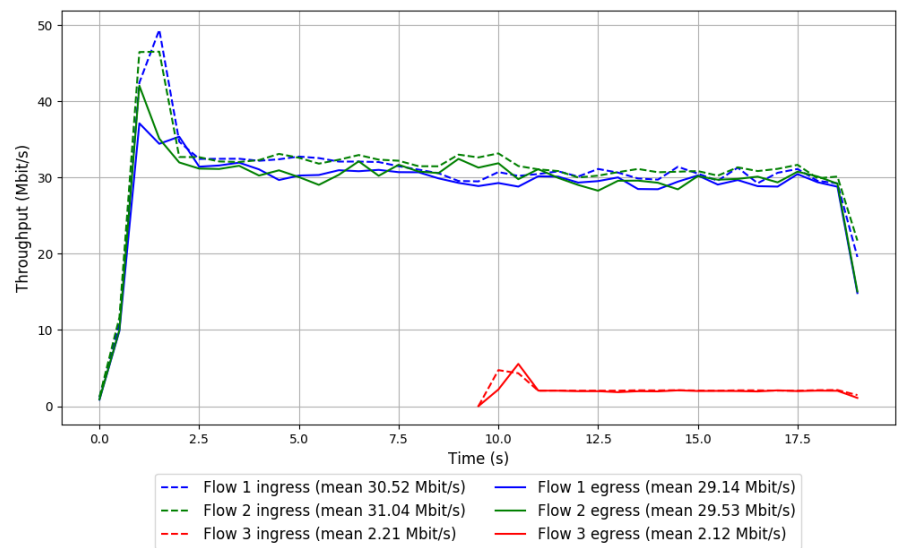
Start at: 2018-01-26 13:01:11

End at: 2018-01-26 13:01:41

Local clock offset: 0.429 ms

Remote clock offset: -2.586 ms

Run 7: Report of PCC — Data Link

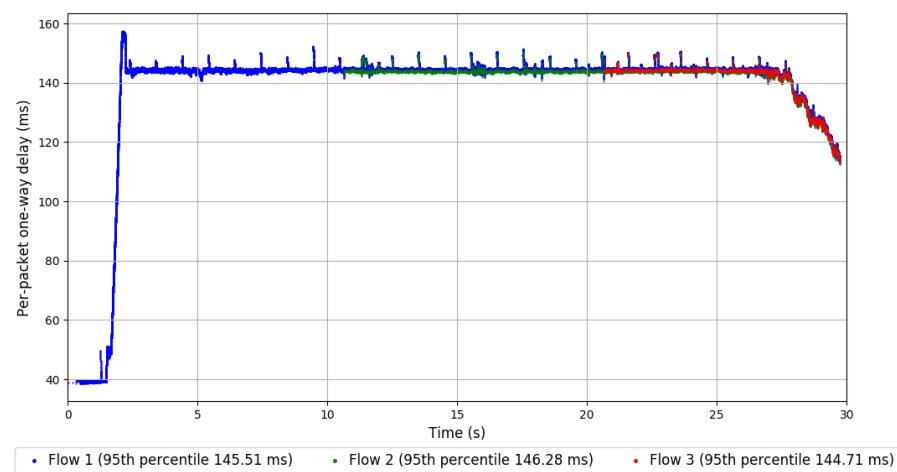
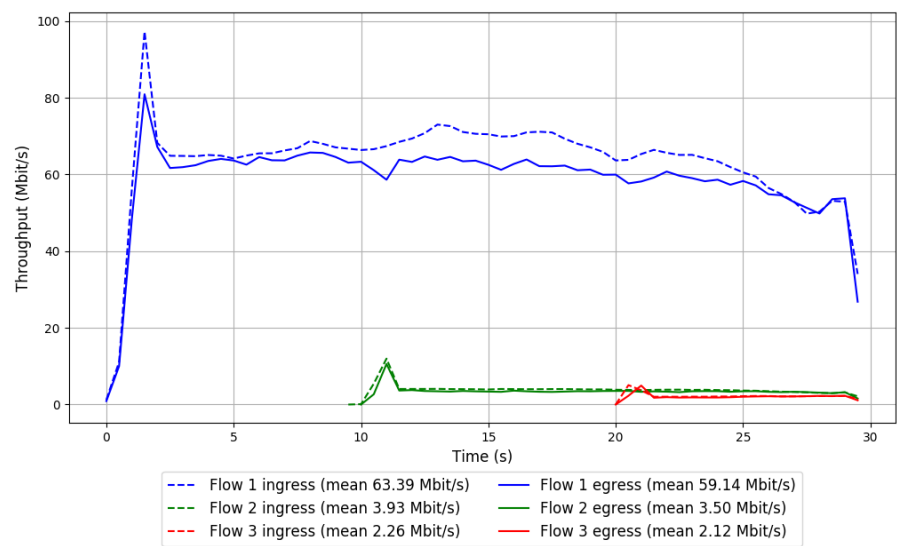


Run 8: Statistics of PCC

Start at: 2018-01-26 13:22:01
End at: 2018-01-26 13:22:31
Local clock offset: 0.938 ms
Remote clock offset: -3.131 ms

Below is generated by plot.py at 2018-01-26 17:42:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 145.512 ms
Loss rate: 7.27%
-- Flow 1:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 145.510 ms
Loss rate: 7.07%
-- Flow 2:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 146.284 ms
Loss rate: 11.87%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 144.713 ms
Loss rate: 8.25%

Run 8: Report of PCC — Data Link

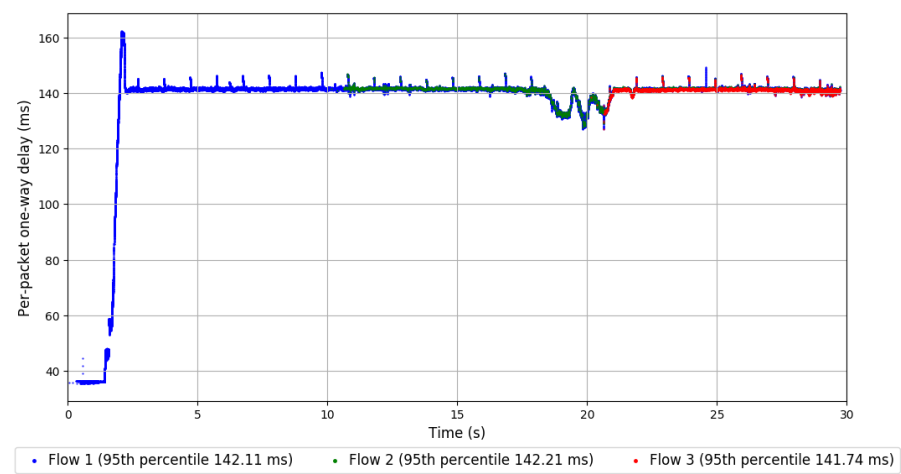
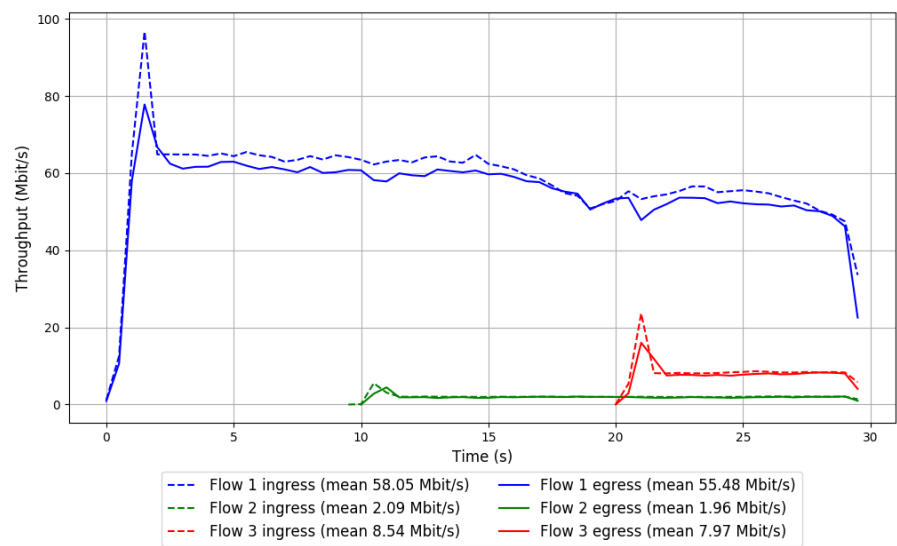


Run 9: Statistics of PCC

Start at: 2018-01-26 13:42:39
End at: 2018-01-26 13:43:09
Local clock offset: -1.221 ms
Remote clock offset: -3.719 ms

Below is generated by plot.py at 2018-01-26 17:42:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.34 Mbit/s
95th percentile per-packet one-way delay: 142.101 ms
Loss rate: 5.13%
-- Flow 1:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 142.106 ms
Loss rate: 4.90%
-- Flow 2:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 142.205 ms
Loss rate: 7.28%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 141.735 ms
Loss rate: 8.97%

Run 9: Report of PCC — Data Link

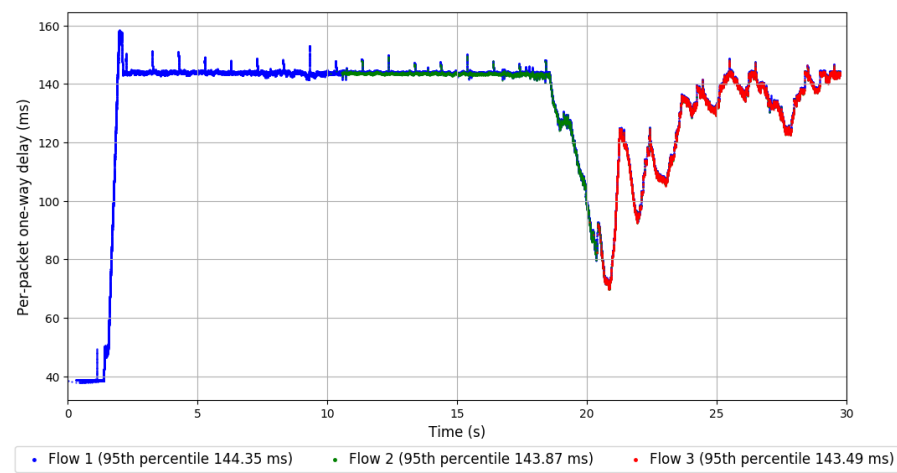
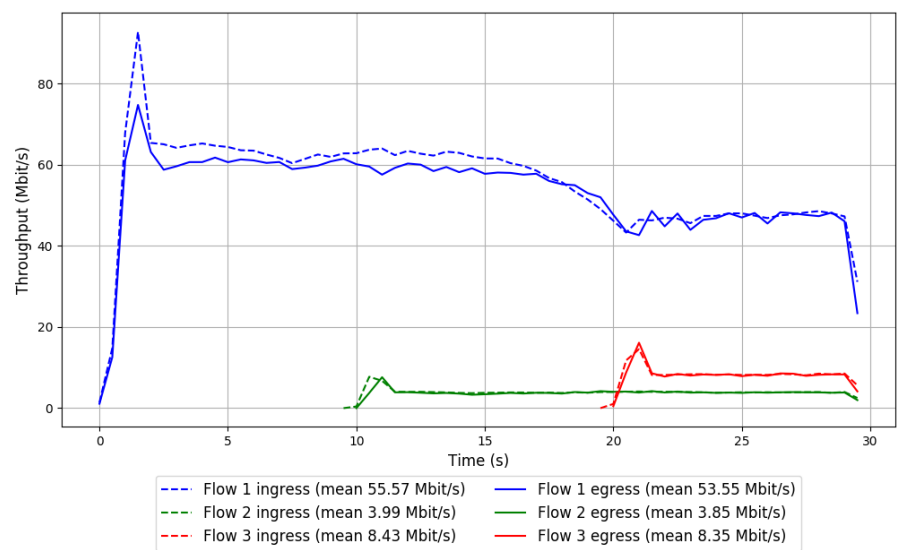


Run 10: Statistics of PCC

Start at: 2018-01-26 14:08:23
End at: 2018-01-26 14:08:53
Local clock offset: 2.348 ms
Remote clock offset: -4.362 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 144.316 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 144.348 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 143.865 ms
Loss rate: 4.47%
-- Flow 3:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 143.494 ms
Loss rate: 2.75%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

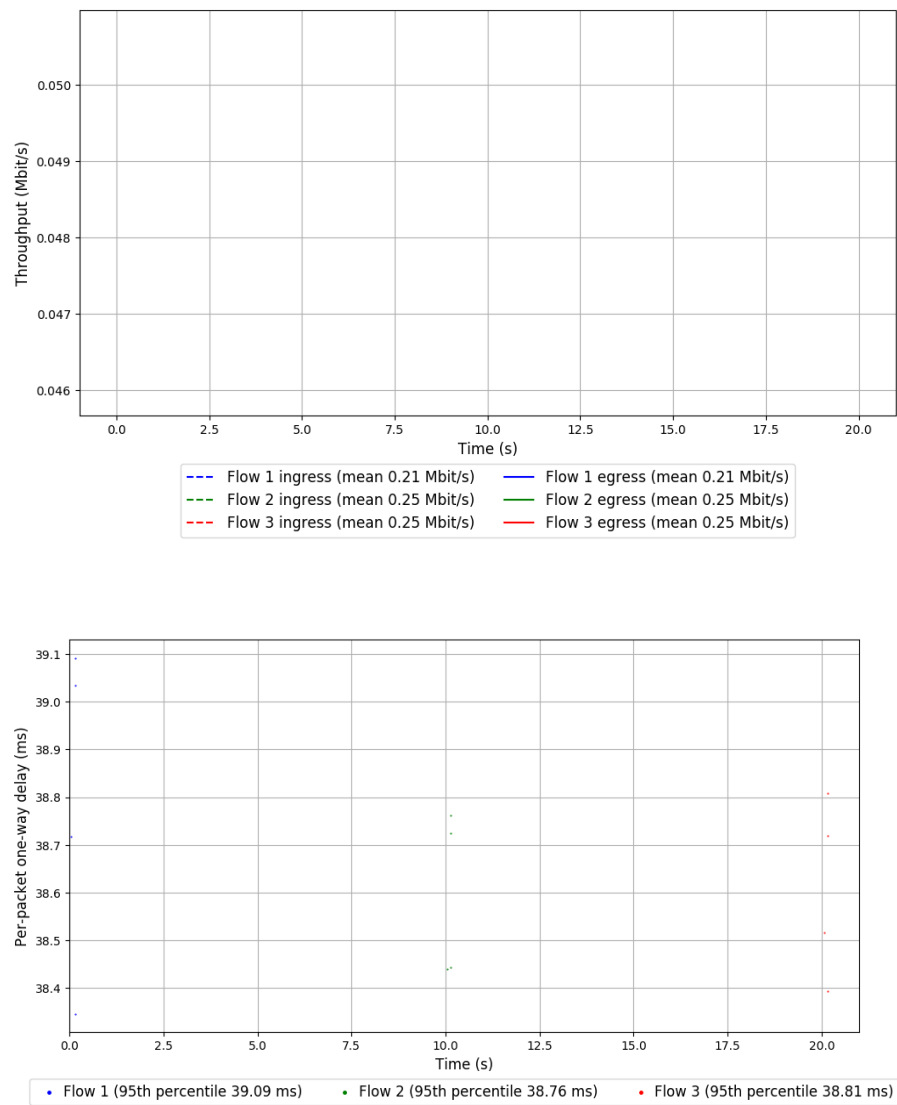
Start at: 2018-01-26 10:49:48

End at: 2018-01-26 10:50:18

Local clock offset: 0.135 ms

Remote clock offset: -7.172 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

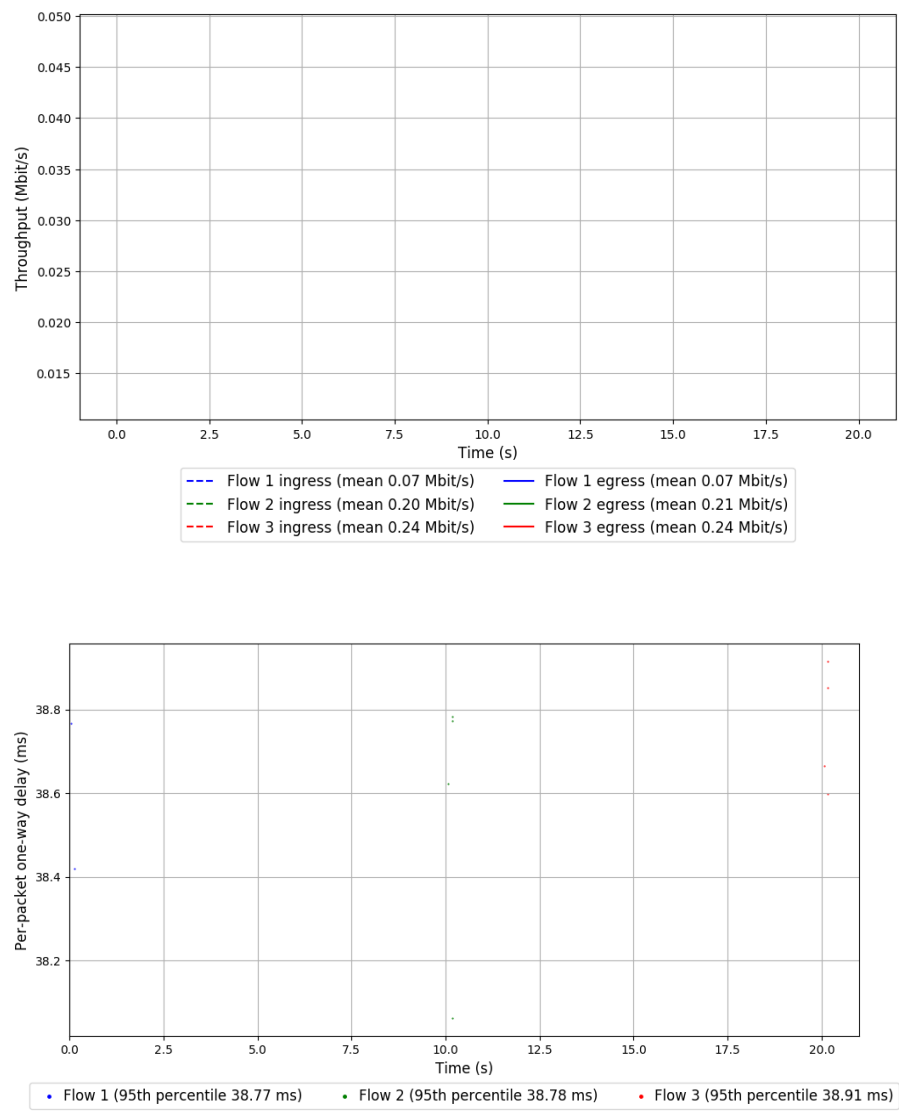
Start at: 2018-01-26 11:09:32

End at: 2018-01-26 11:10:02

Local clock offset: -0.018 ms

Remote clock offset: -6.601 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

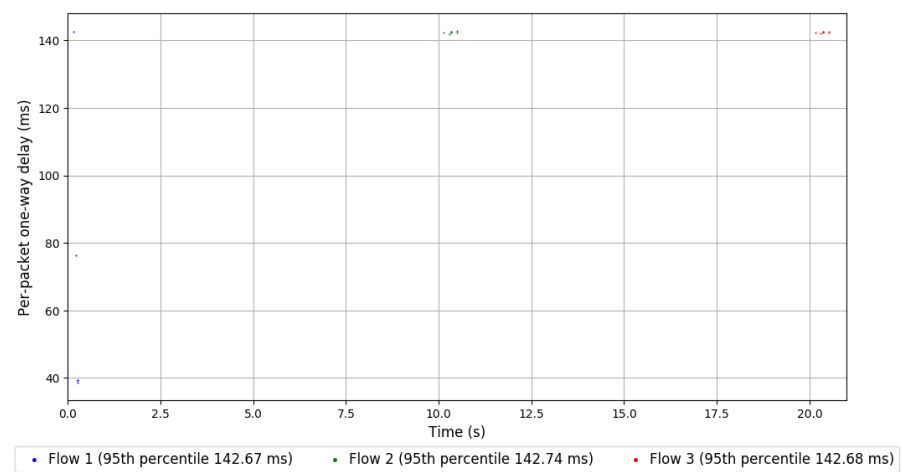
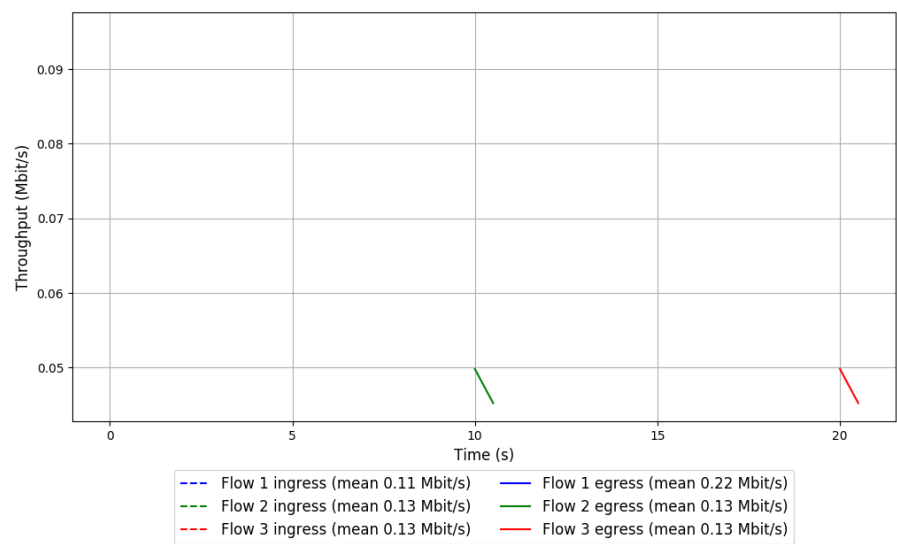
Start at: 2018-01-26 11:29:37

End at: 2018-01-26 11:30:07

Local clock offset: -0.336 ms

Remote clock offset: -6.038 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

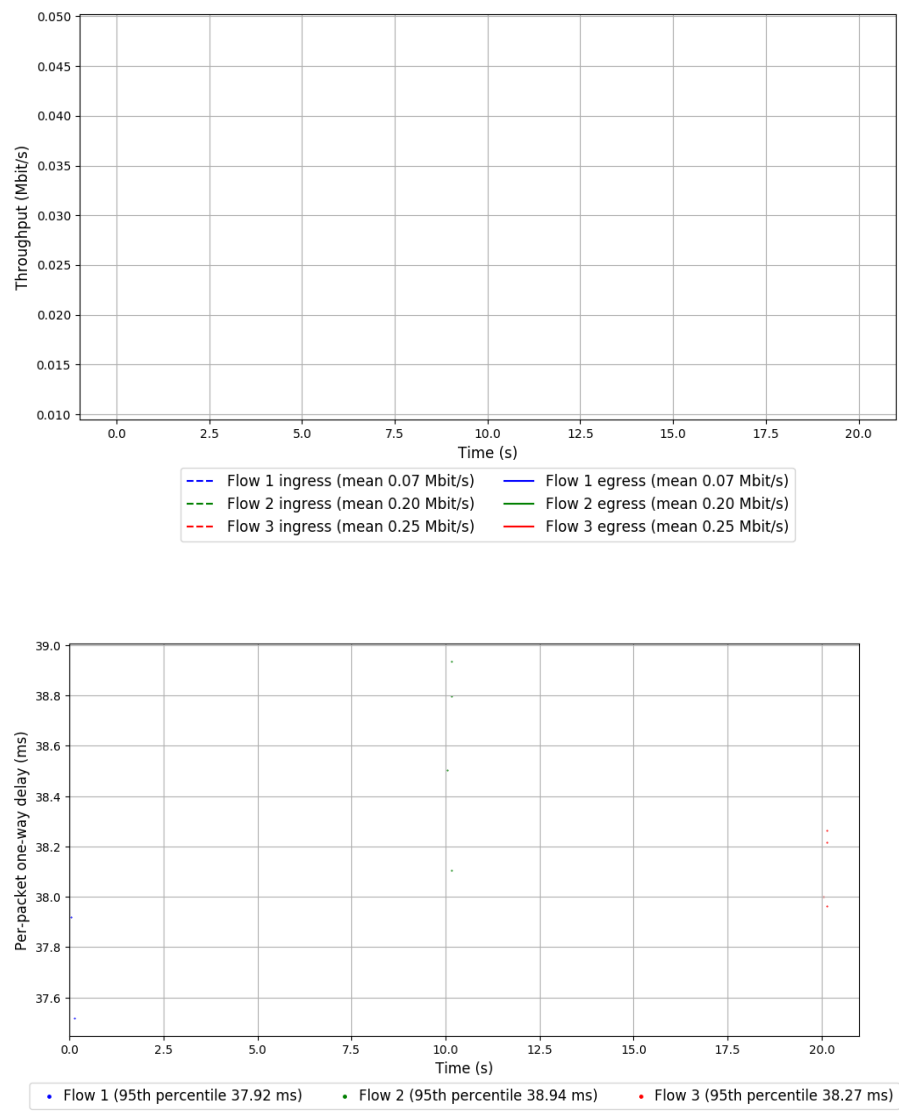
Start at: 2018-01-26 11:49:36

End at: 2018-01-26 11:50:06

Local clock offset: -0.92 ms

Remote clock offset: -4.78 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

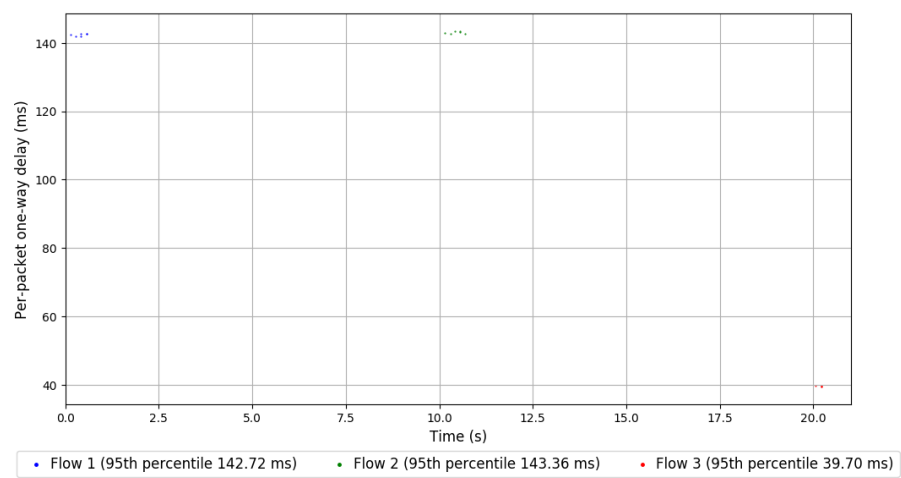
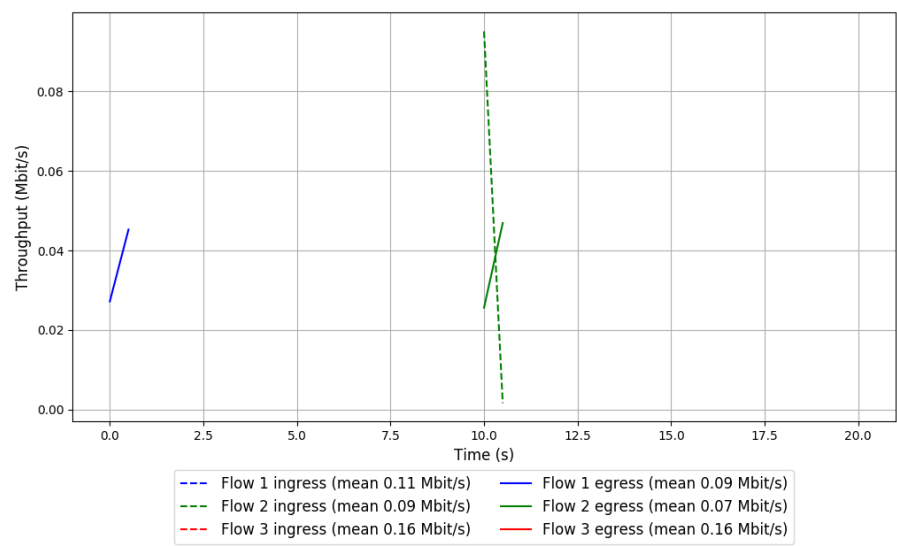
Start at: 2018-01-26 12:13:37

End at: 2018-01-26 12:14:07

Local clock offset: -0.214 ms

Remote clock offset: -3.775 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

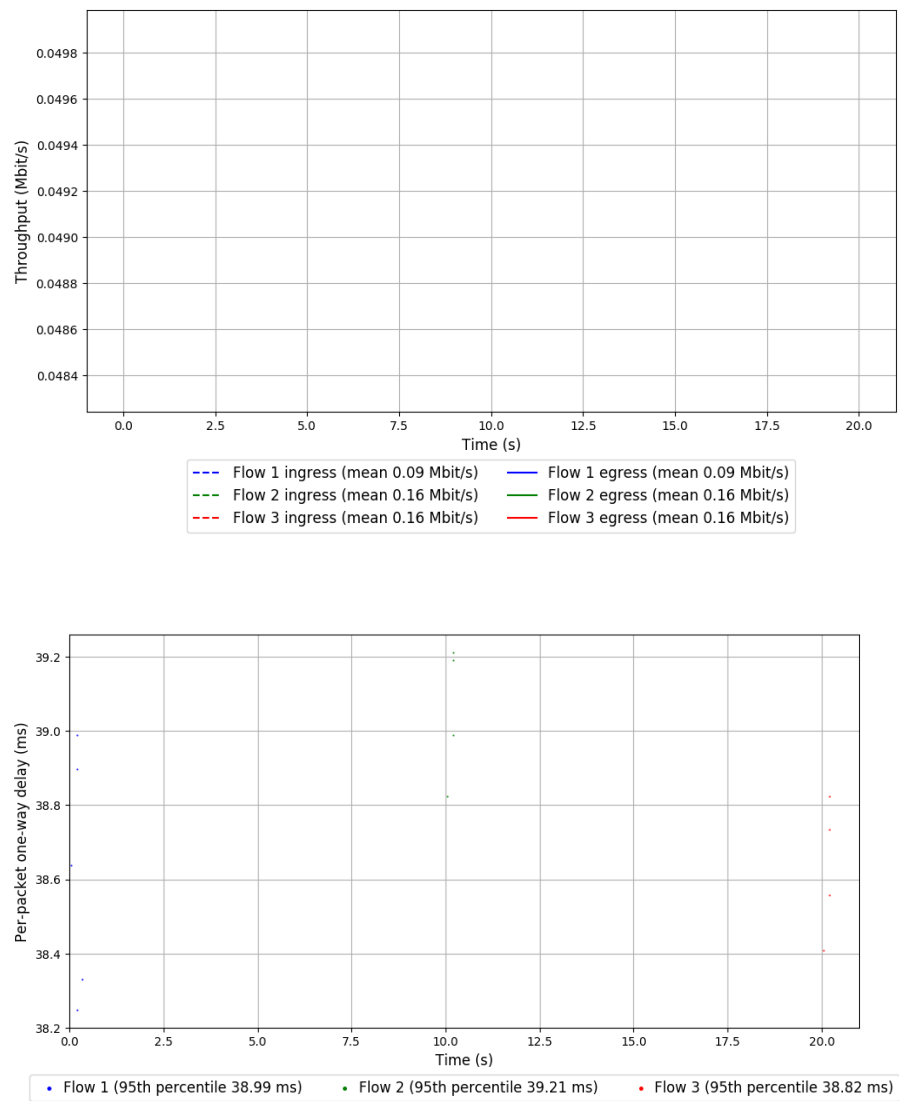
Start at: 2018-01-26 12:37:59

End at: 2018-01-26 12:38:29

Local clock offset: -0.068 ms

Remote clock offset: -3.115 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

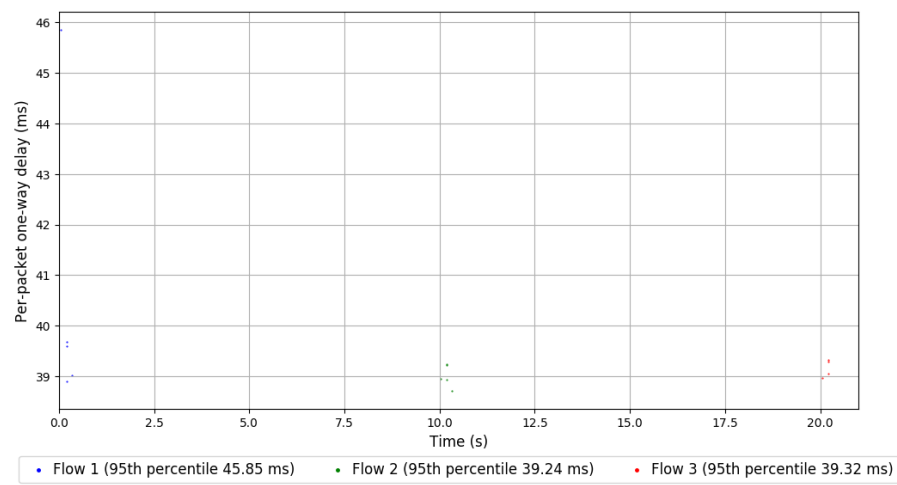
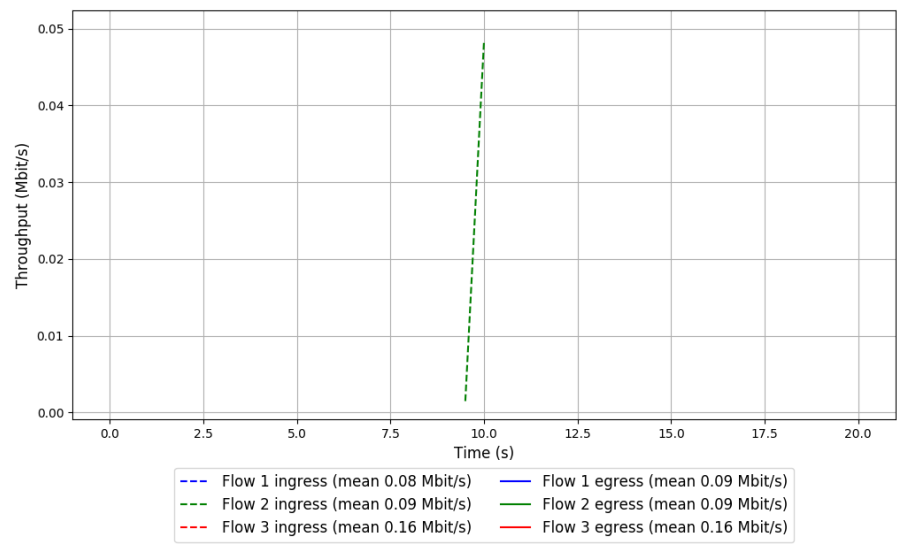
Start at: 2018-01-26 12:58:30

End at: 2018-01-26 12:59:00

Local clock offset: 0.468 ms

Remote clock offset: -2.542 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

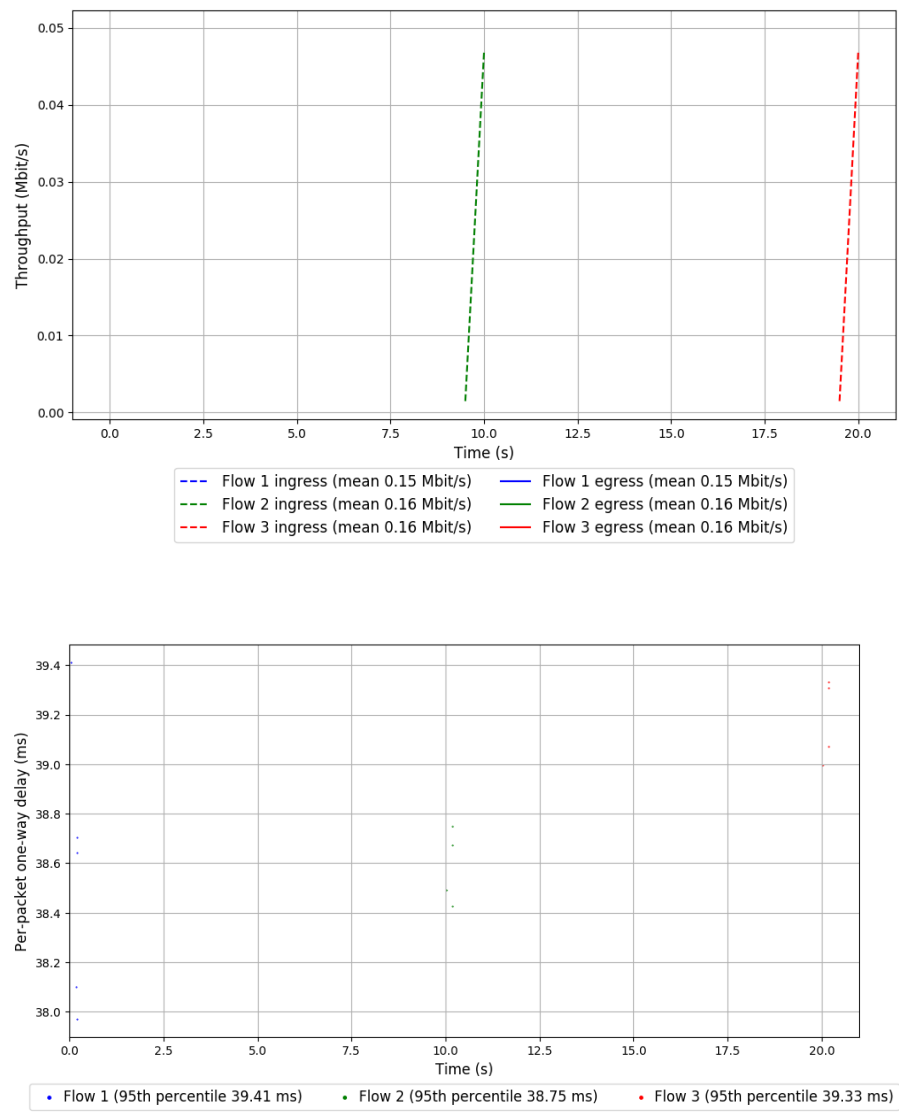
Start at: 2018-01-26 13:19:20

End at: 2018-01-26 13:19:50

Local clock offset: 0.896 ms

Remote clock offset: -3.096 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

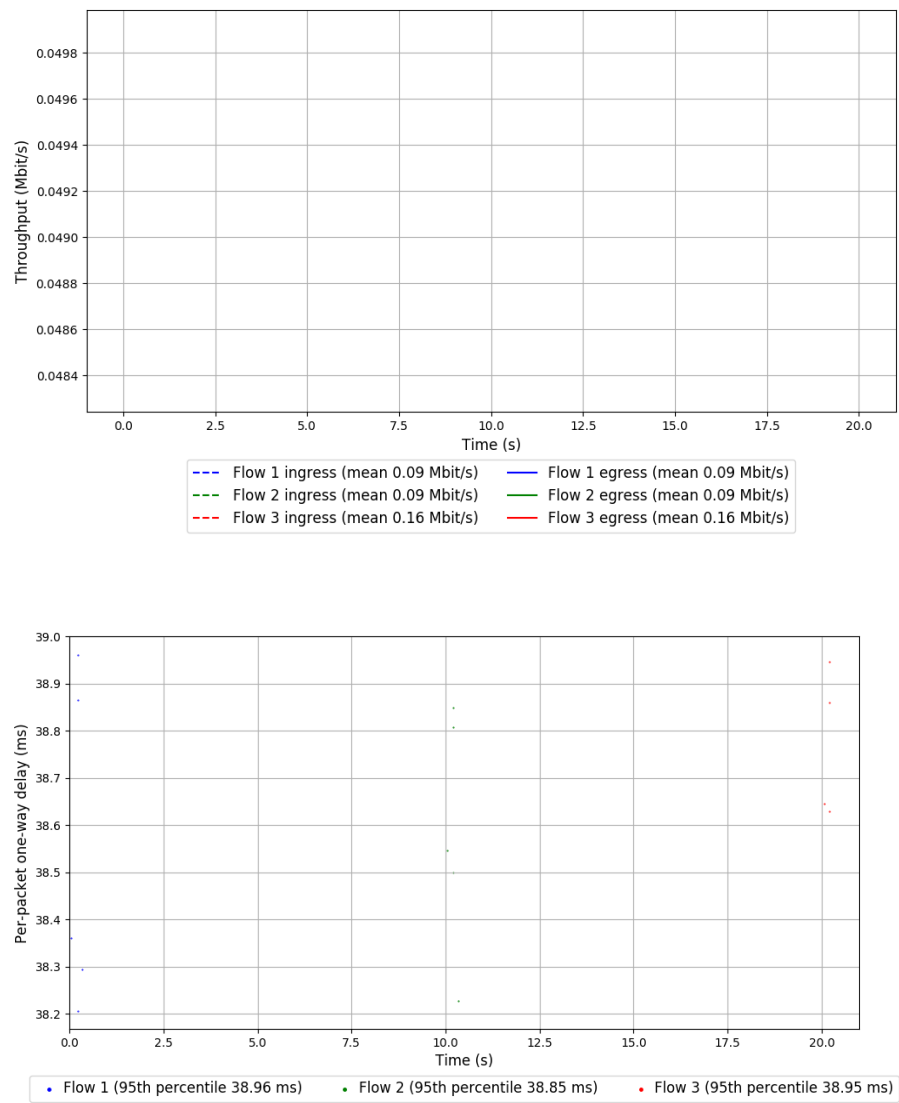
Start at: 2018-01-26 13:40:07

End at: 2018-01-26 13:40:37

Local clock offset: 1.376 ms

Remote clock offset: -3.572 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

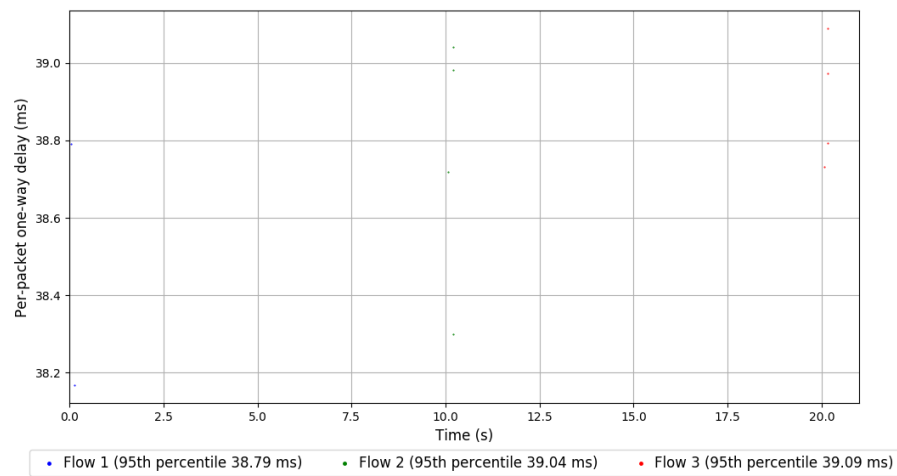
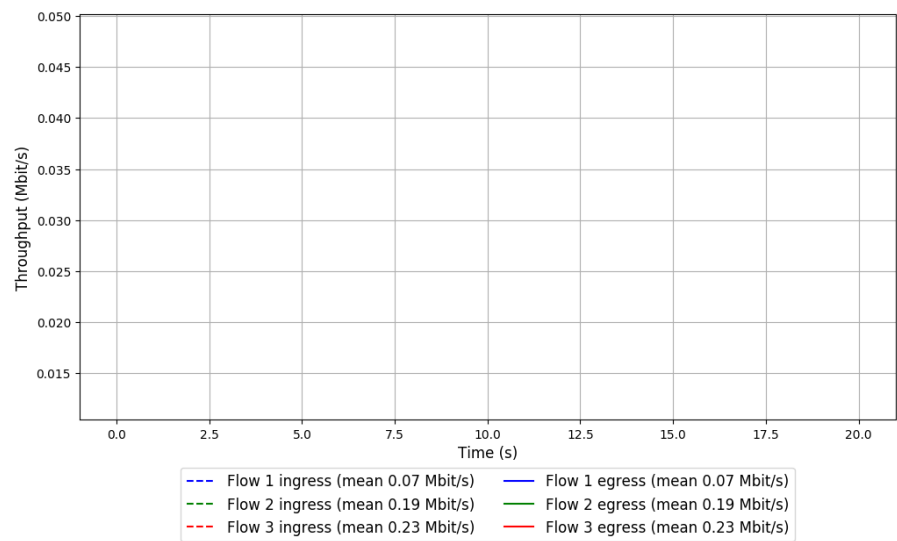
Start at: 2018-01-26 14:05:57

End at: 2018-01-26 14:06:27

Local clock offset: 2.648 ms

Remote clock offset: -4.313 ms

Run 10: Report of QUIC Cubic — Data Link

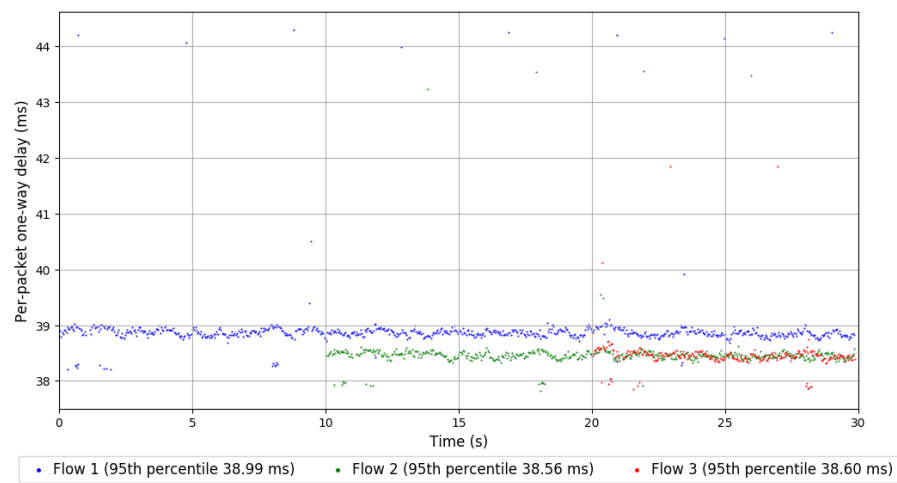
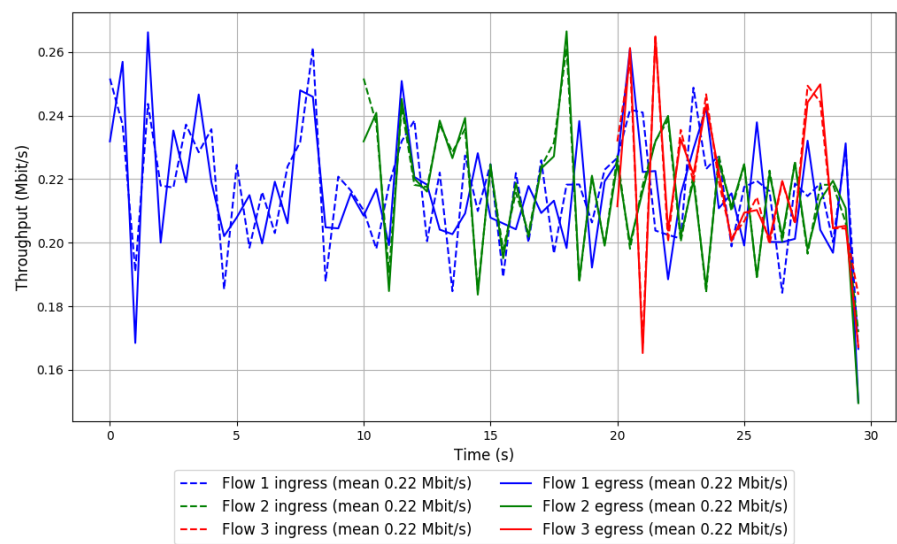


Run 1: Statistics of SCReAM

Start at: 2018-01-26 10:35:01
End at: 2018-01-26 10:35:31
Local clock offset: 0.003 ms
Remote clock offset: -7.306 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 38.969 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.991 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.562 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.600 ms
Loss rate: 0.73%

Run 1: Report of SReAM — Data Link

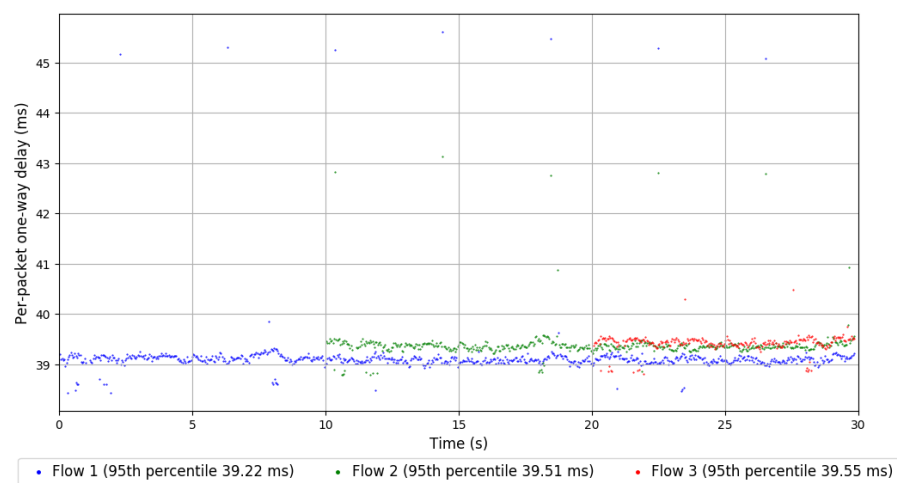
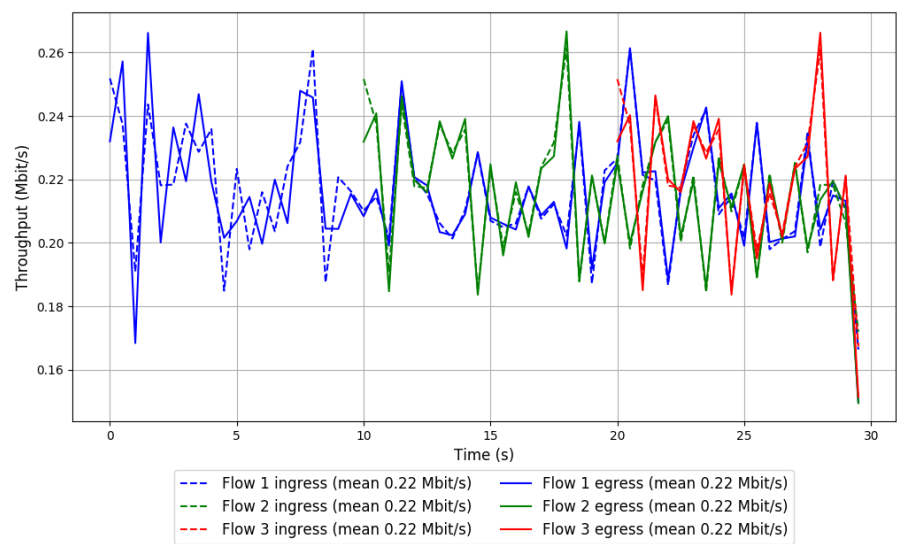


Run 2: Statistics of SReAM

Start at: 2018-01-26 10:54:45
End at: 2018-01-26 10:55:15
Local clock offset: -0.176 ms
Remote clock offset: -7.676 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 39.512 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.222 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.511 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.546 ms
Loss rate: 0.73%

Run 2: Report of SReAM — Data Link

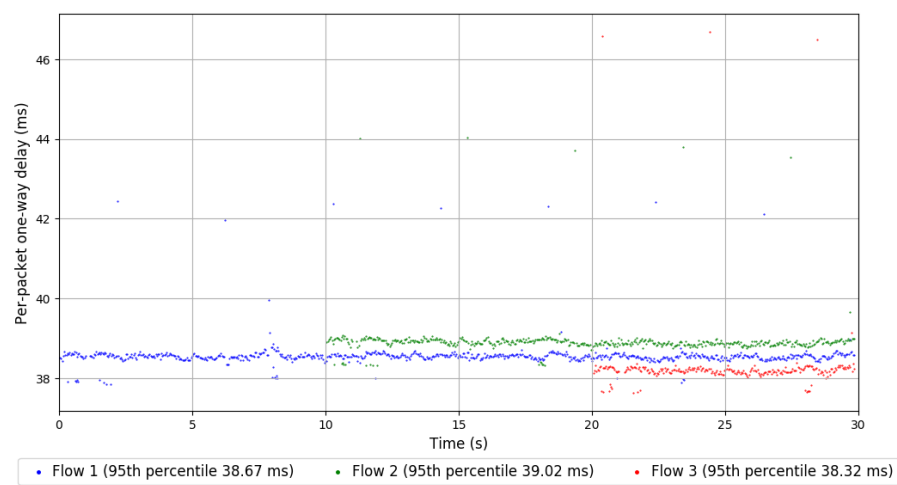
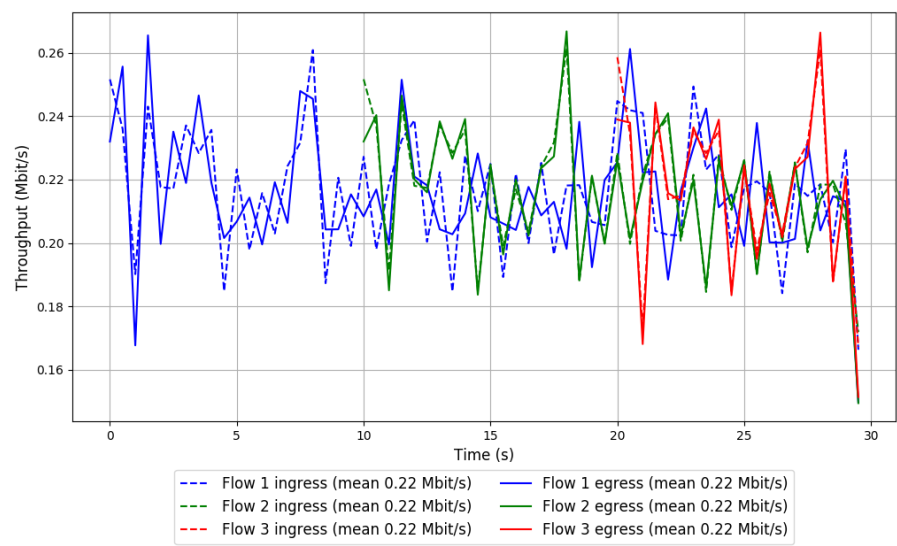


Run 3: Statistics of SReAM

Start at: 2018-01-26 11:14:39
End at: 2018-01-26 11:15:09
Local clock offset: -0.532 ms
Remote clock offset: -6.401 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 38.987 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.668 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.020 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.322 ms
Loss rate: 0.74%

Run 3: Report of SReAM — Data Link

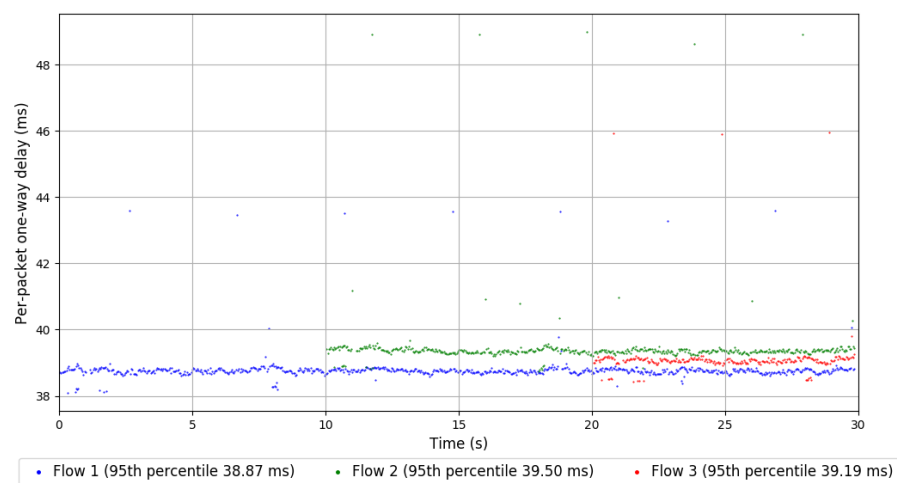
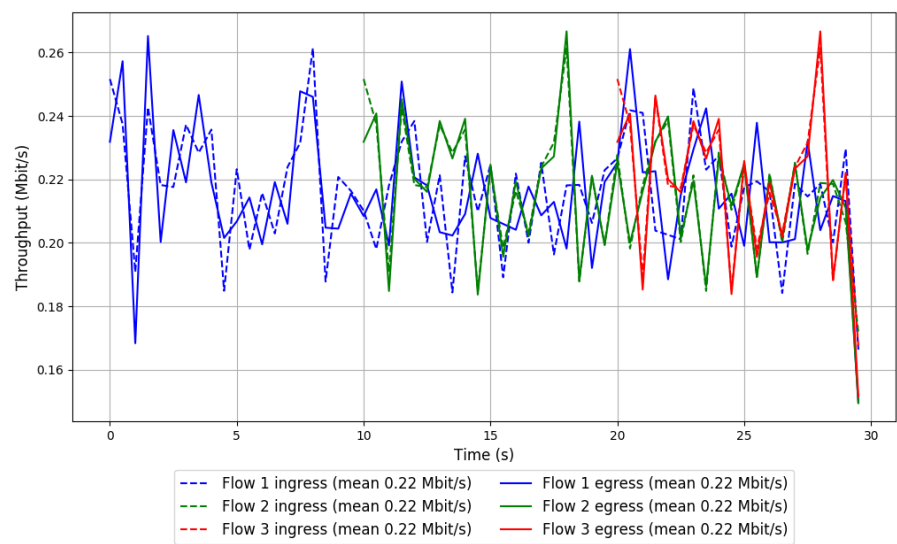


Run 4: Statistics of SReAM

Start at: 2018-01-26 11:34:42
End at: 2018-01-26 11:35:12
Local clock offset: -0.242 ms
Remote clock offset: -5.691 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 39.453 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.872 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.498 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.185 ms
Loss rate: 0.73%

Run 4: Report of SReAM — Data Link

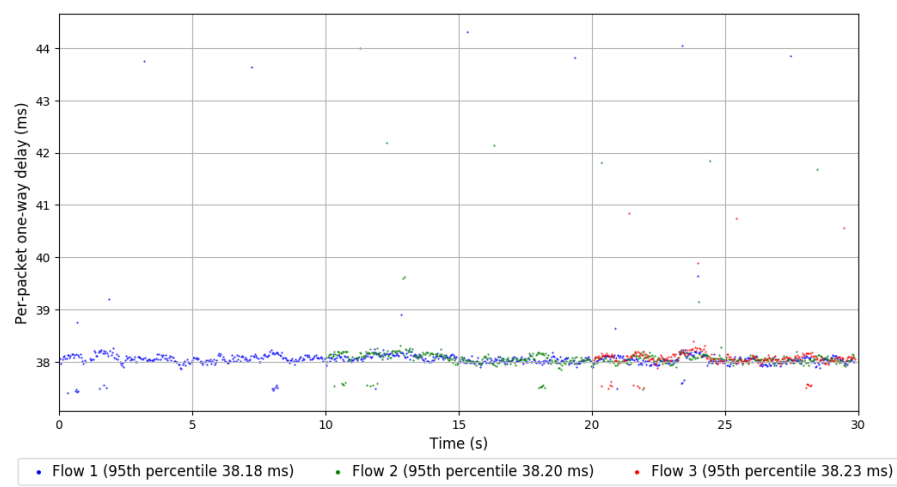
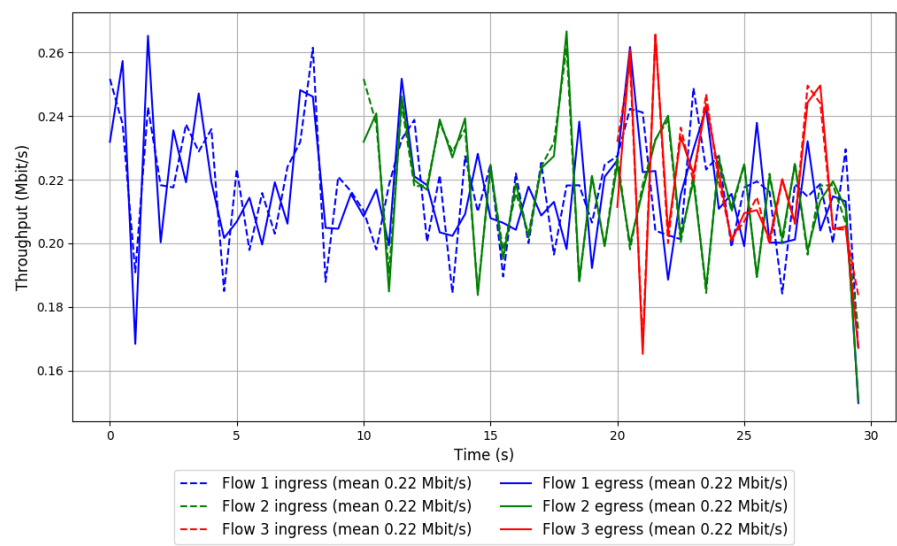


Run 5: Statistics of SReAM

Start at: 2018-01-26 11:54:41
End at: 2018-01-26 11:55:11
Local clock offset: -0.993 ms
Remote clock offset: -4.447 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 38.195 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.177 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.200 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.235 ms
Loss rate: 0.73%

Run 5: Report of SReAM — Data Link

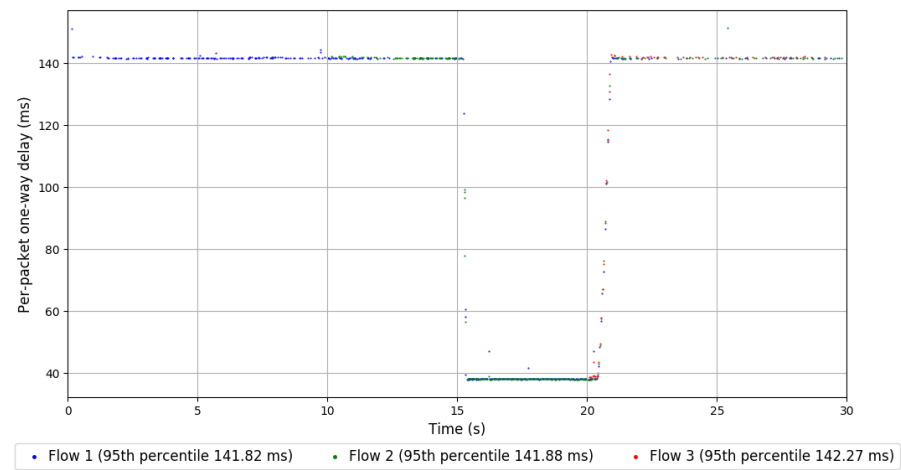
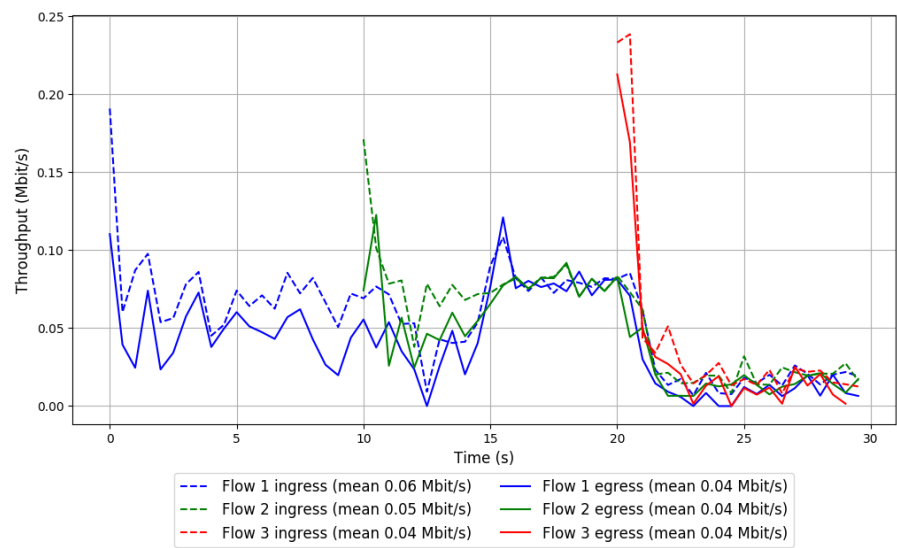


Run 6: Statistics of SCReAM

Start at: 2018-01-26 12:21:40
End at: 2018-01-26 12:22:10
Local clock offset: -0.546 ms
Remote clock offset: -3.533 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 141.957 ms
Loss rate: 24.17%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 141.823 ms
Loss rate: 26.48%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 141.878 ms
Loss rate: 19.63%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 142.272 ms
Loss rate: 26.57%

Run 6: Report of SReAM — Data Link

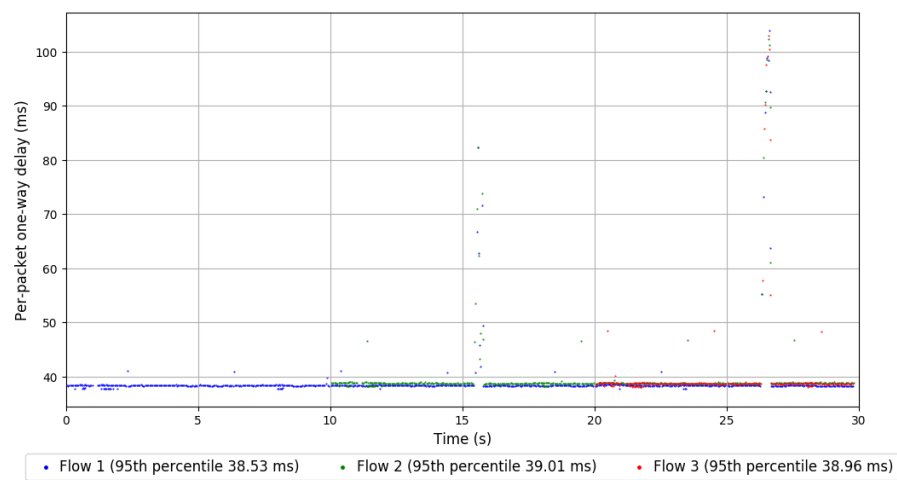
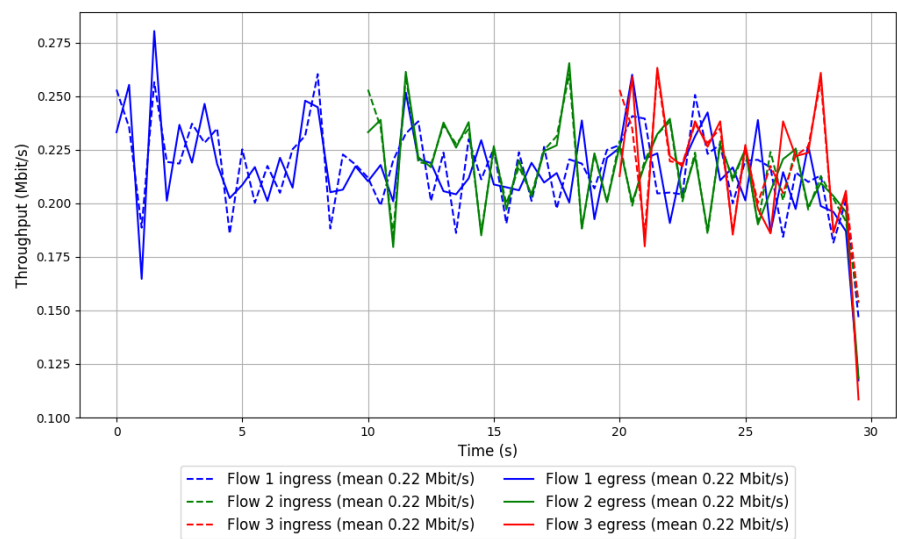


Run 7: Statistics of SReAM

Start at: 2018-01-26 12:43:03
End at: 2018-01-26 12:43:33
Local clock offset: -0.589 ms
Remote clock offset: -2.913 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 38.946 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.528 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.011 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.958 ms
Loss rate: 1.38%

Run 7: Report of SReAM — Data Link

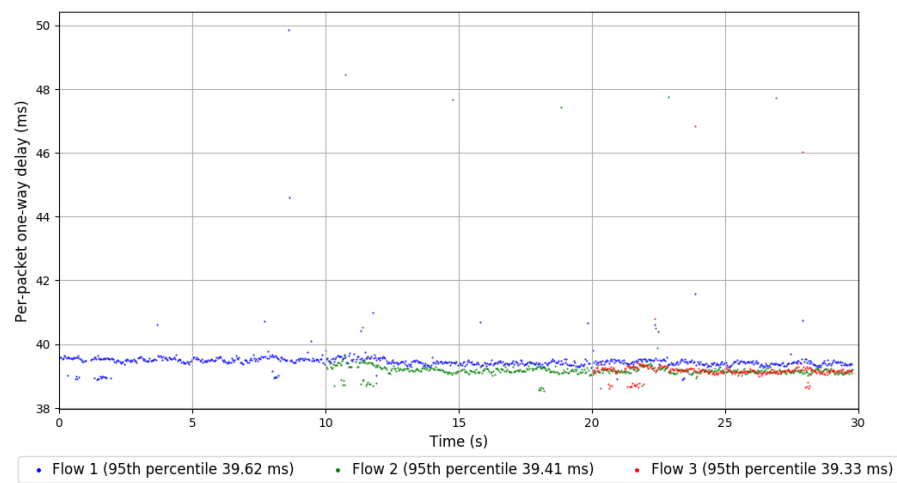
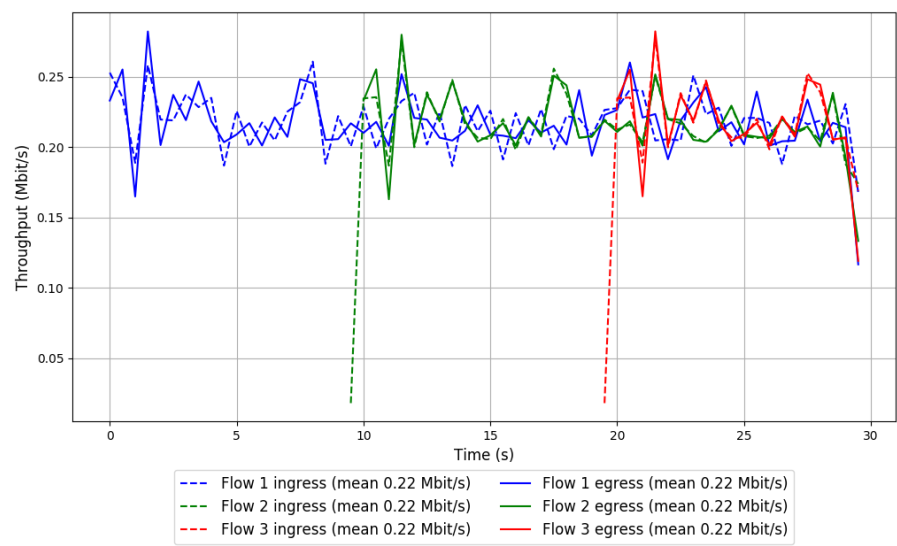


Run 8: Statistics of SReAM

Start at: 2018-01-26 13:03:43
End at: 2018-01-26 13:04:13
Local clock offset: 0.565 ms
Remote clock offset: -2.593 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 39.594 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.625 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.410 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.325 ms
Loss rate: 1.50%

Run 8: Report of SReAM — Data Link

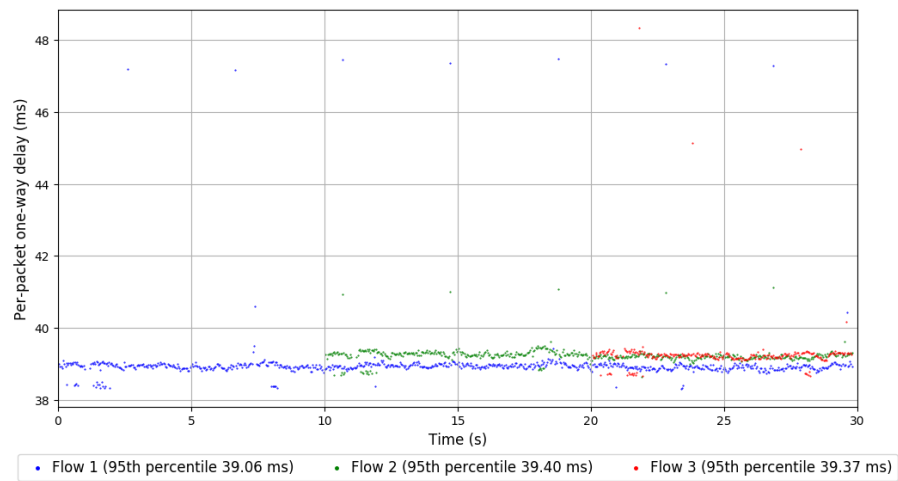
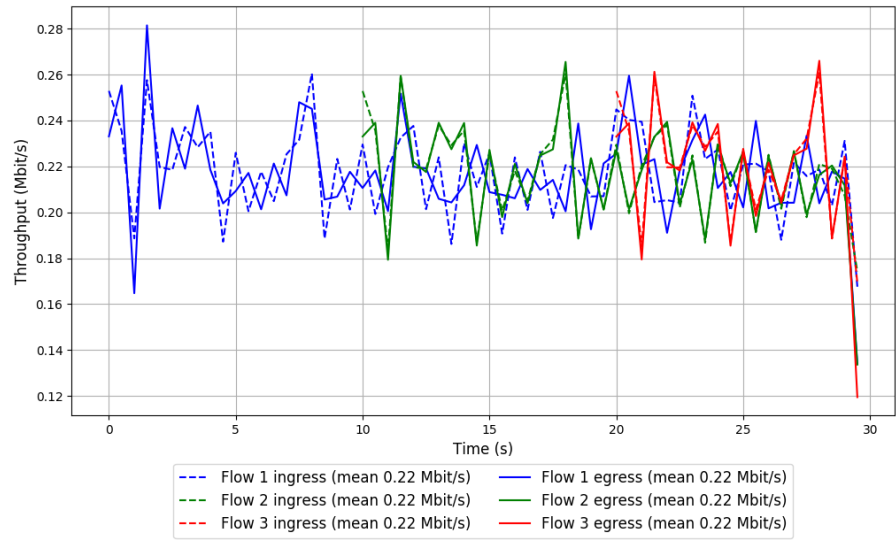


Run 9: Statistics of SReAM

Start at: 2018-01-26 13:24:36
End at: 2018-01-26 13:25:06
Local clock offset: 1.03 ms
Remote clock offset: -3.185 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 39.360 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.056 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.402 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.368 ms
Loss rate: 1.50%

Run 9: Report of SReAM — Data Link

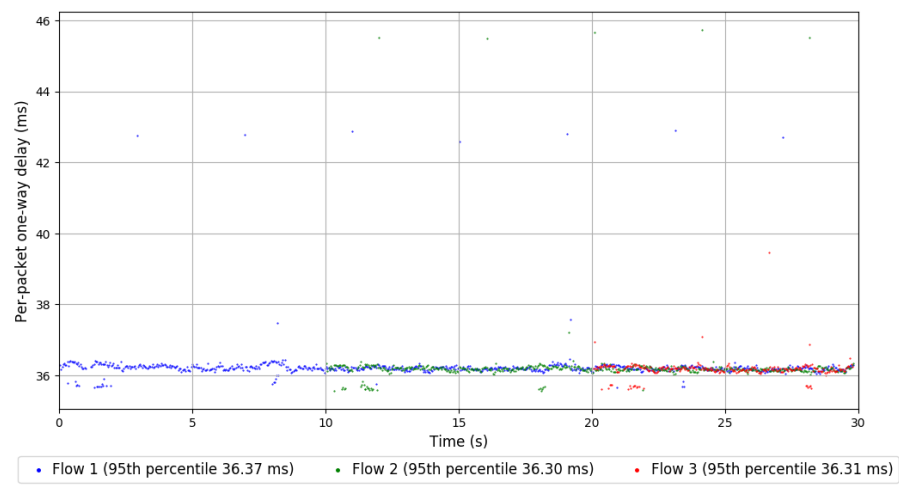
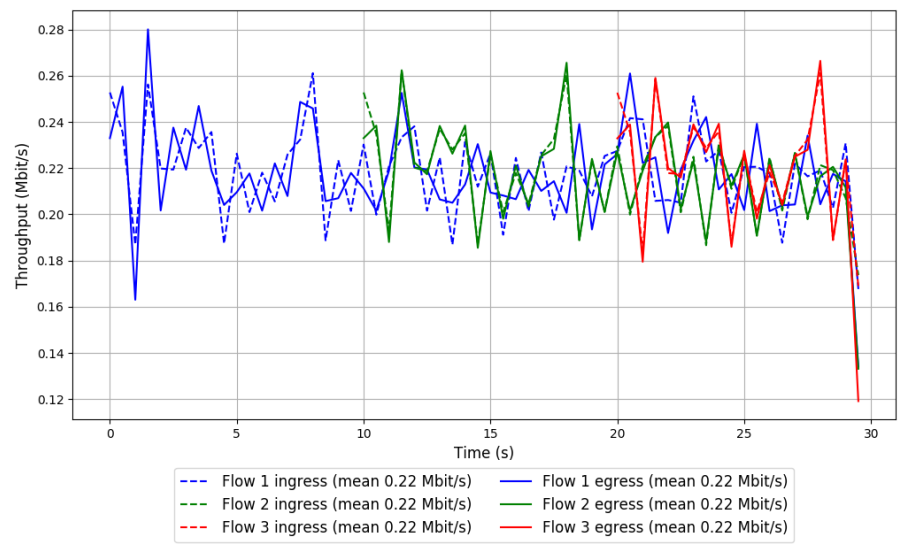


Run 10: Statistics of SReAM

Start at: 2018-01-26 13:45:13
End at: 2018-01-26 13:45:43
Local clock offset: -1.098 ms
Remote clock offset: -3.651 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 36.329 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.367 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.296 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.309 ms
Loss rate: 1.50%

Run 10: Report of SReAM — Data Link

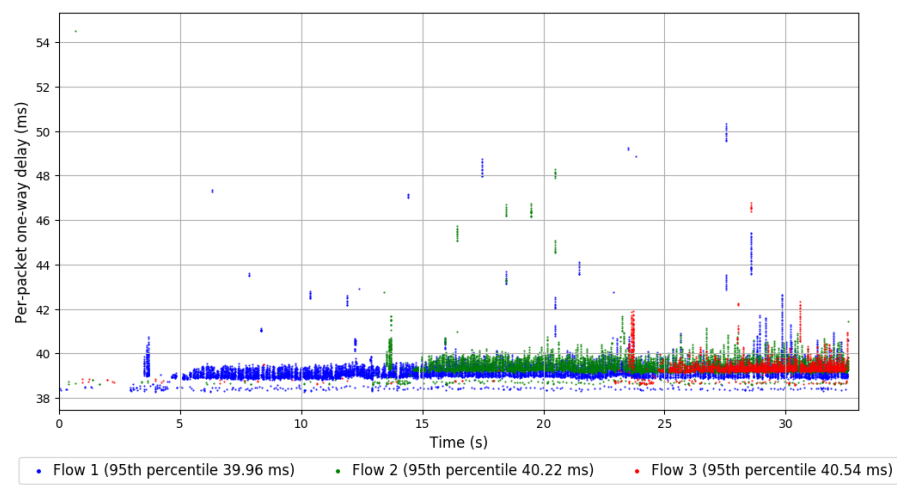
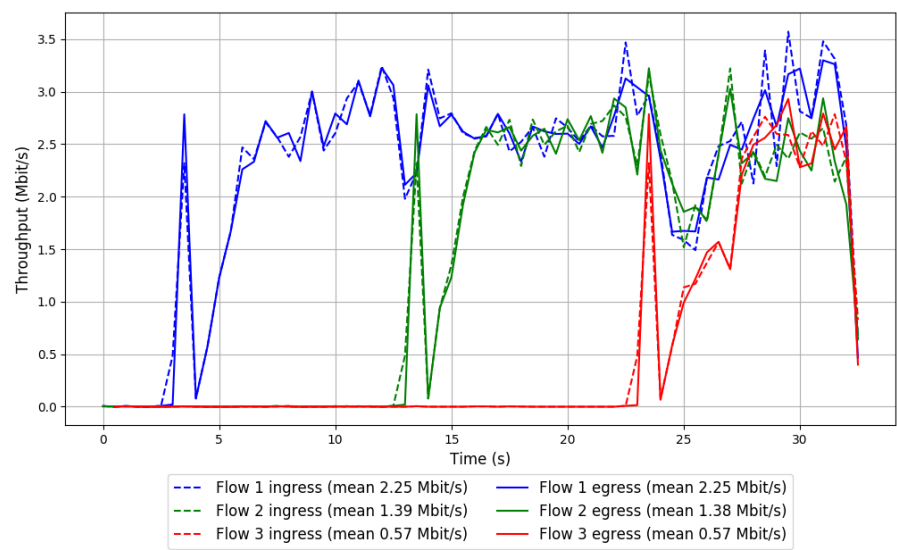


Run 1: Statistics of WebRTC media

Start at: 2018-01-26 10:48:37
End at: 2018-01-26 10:49:07
Local clock offset: 0.144 ms
Remote clock offset: -7.145 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 40.163 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 39.961 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 40.220 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 40.544 ms
Loss rate: 1.19%

Run 1: Report of WebRTC media — Data Link

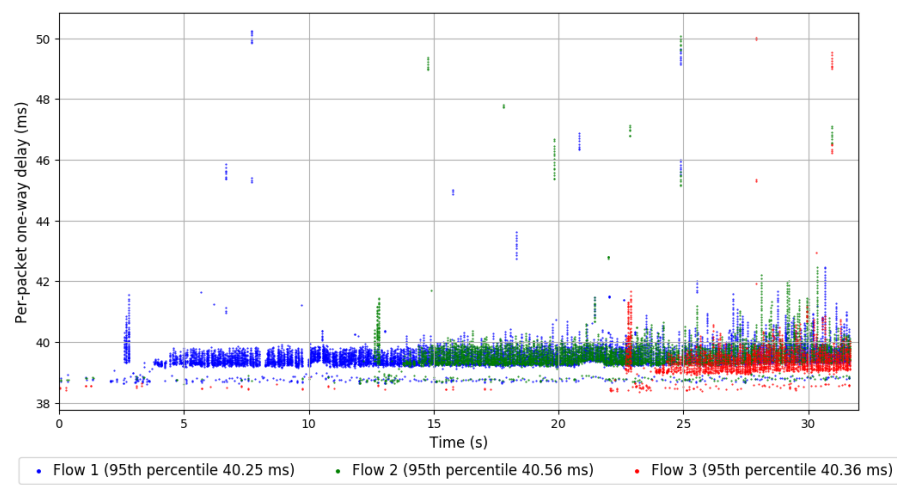
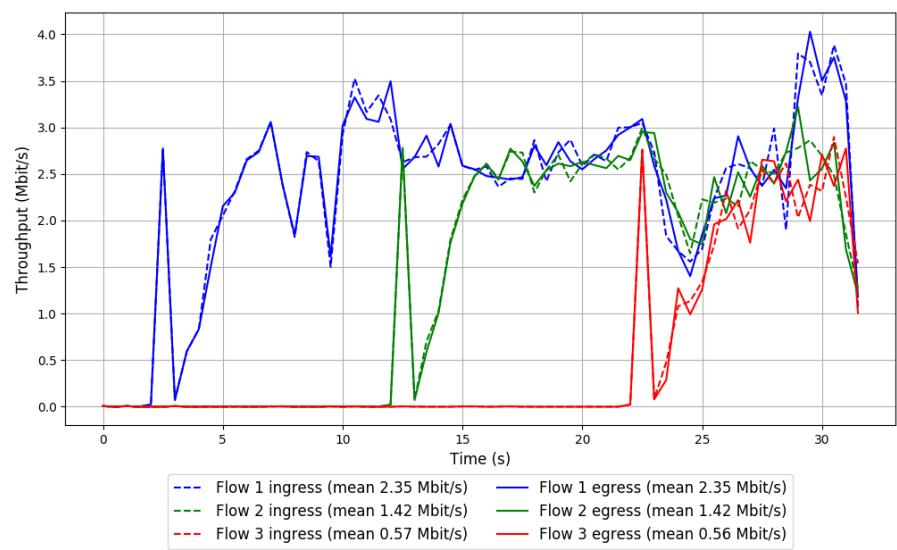


Run 2: Statistics of WebRTC media

Start at: 2018-01-26 11:08:21
End at: 2018-01-26 11:08:51
Local clock offset: -0.033 ms
Remote clock offset: -6.654 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 40.347 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 40.252 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 40.562 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 40.362 ms
Loss rate: 1.48%

Run 2: Report of WebRTC media — Data Link

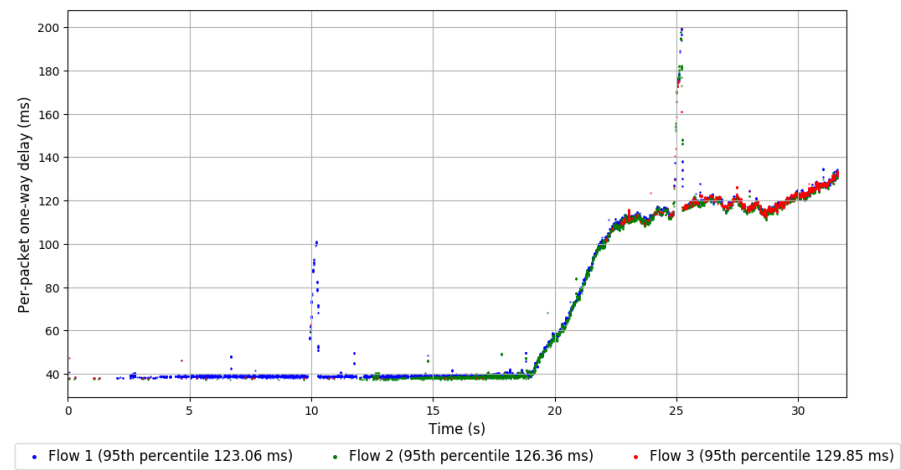
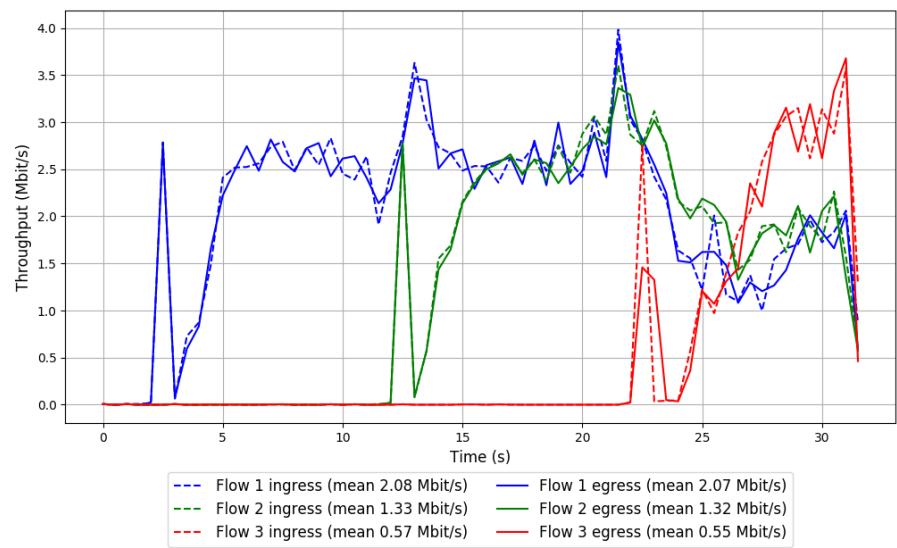


Run 3: Statistics of WebRTC media

Start at: 2018-01-26 11:28:20
End at: 2018-01-26 11:28:50
Local clock offset: -0.794 ms
Remote clock offset: -6.168 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 127.186 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 123.061 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 126.356 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 129.855 ms
Loss rate: 3.71%

Run 3: Report of WebRTC media — Data Link

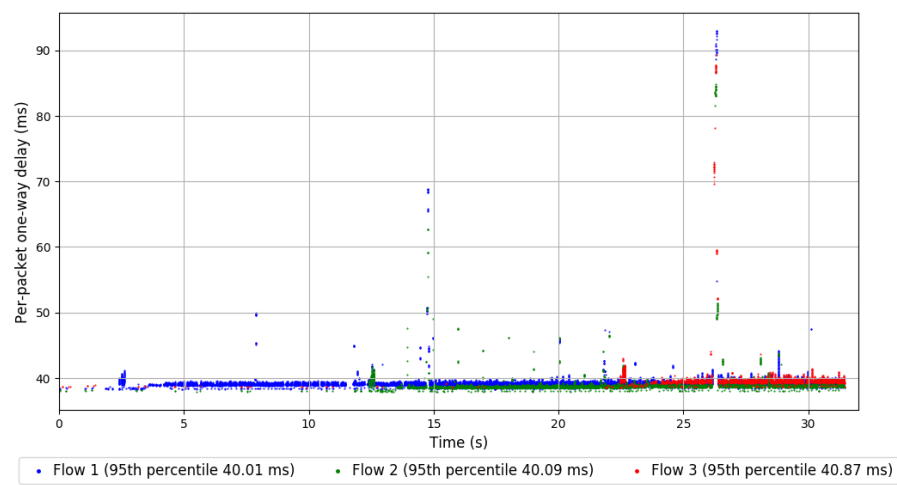
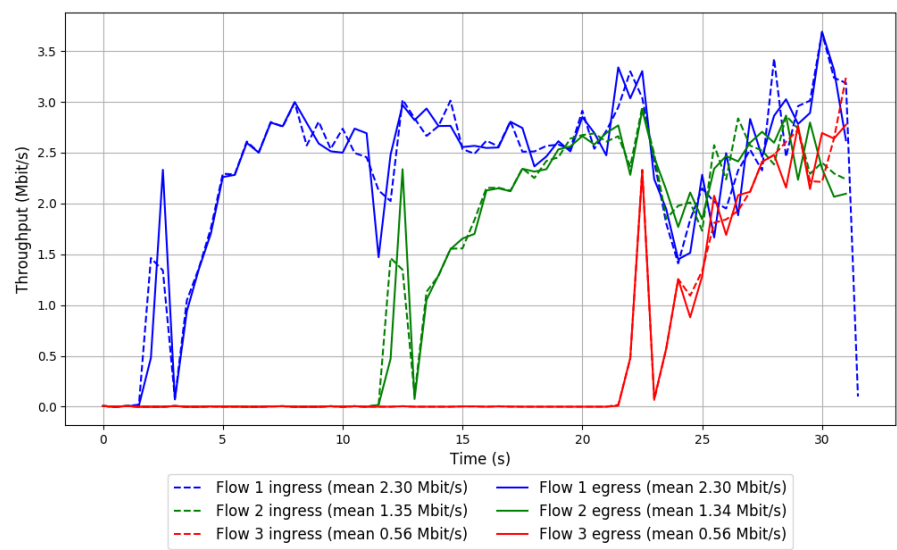


Run 4: Statistics of WebRTC media

Start at: 2018-01-26 11:48:25
End at: 2018-01-26 11:48:55
Local clock offset: -0.409 ms
Remote clock offset: -4.815 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 40.220 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 40.007 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 40.085 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 40.872 ms
Loss rate: 1.32%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-26 12:12:08

End at: 2018-01-26 12:12:39

Local clock offset: -1.018 ms

Remote clock offset: -3.82 ms

Below is generated by plot.py at 2018-01-26 17:42:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 142.310 ms

Loss rate: 4.49%

-- Flow 1:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 142.298 ms

Loss rate: 3.56%

-- Flow 2:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 142.314 ms

Loss rate: 4.44%

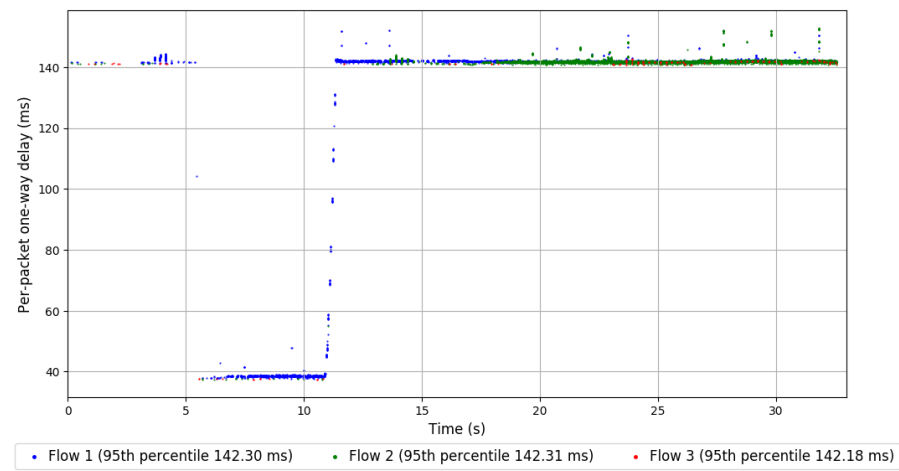
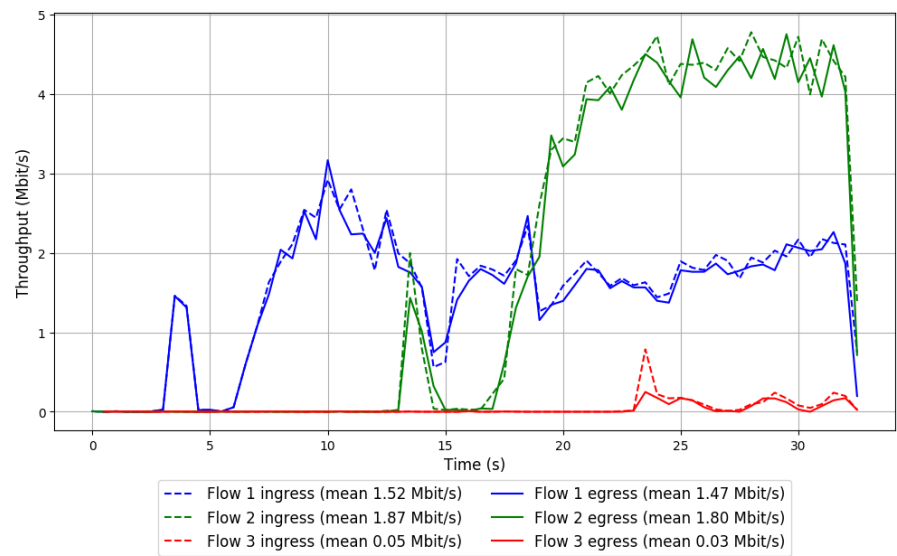
-- Flow 3:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 142.177 ms

Loss rate: 36.17%

Run 5: Report of WebRTC media — Data Link

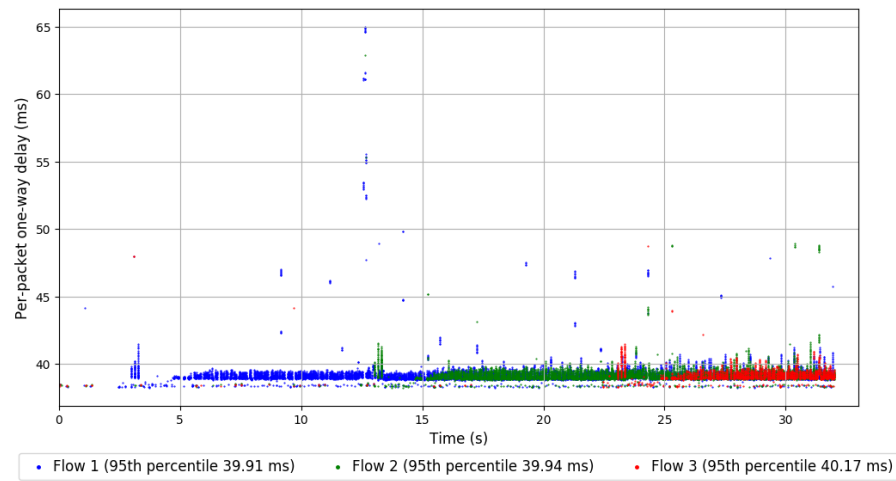
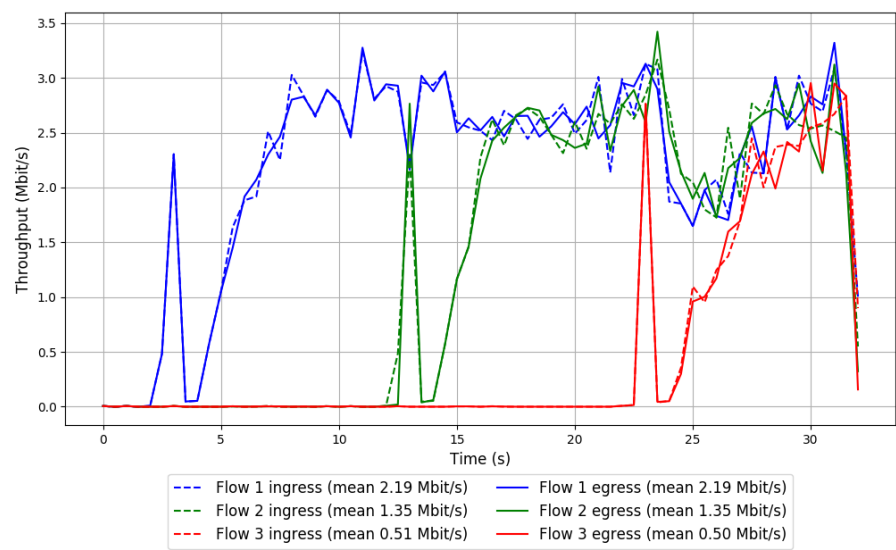


Run 6: Statistics of WebRTC media

Start at: 2018-01-26 12:36:45
End at: 2018-01-26 12:37:15
Local clock offset: -0.11 ms
Remote clock offset: -3.108 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 39.959 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 39.907 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 39.936 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 40.172 ms
Loss rate: 2.74%

Run 6: Report of WebRTC media — Data Link

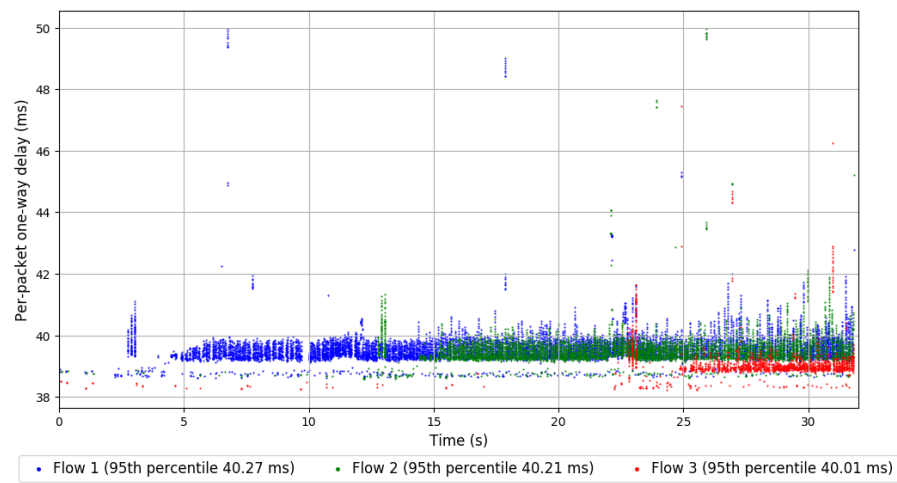
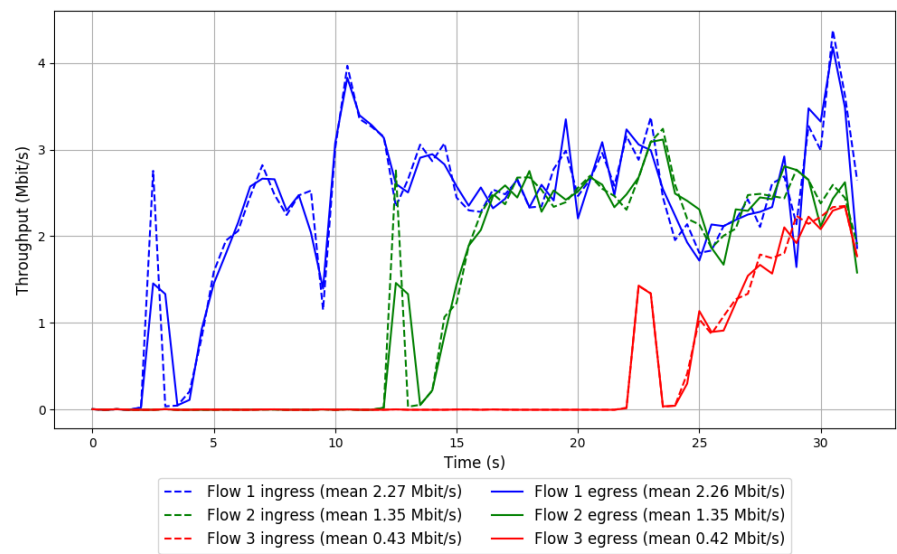


Run 7: Statistics of WebRTC media

Start at: 2018-01-26 12:57:15
End at: 2018-01-26 12:57:45
Local clock offset: 0.207 ms
Remote clock offset: -2.524 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 40.242 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 40.271 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 40.208 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 40.010 ms
Loss rate: 1.48%

Run 7: Report of WebRTC media — Data Link

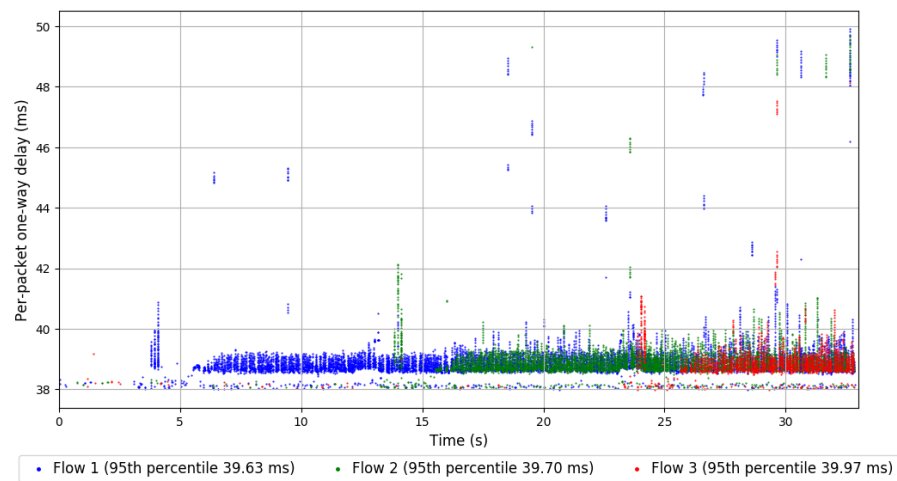
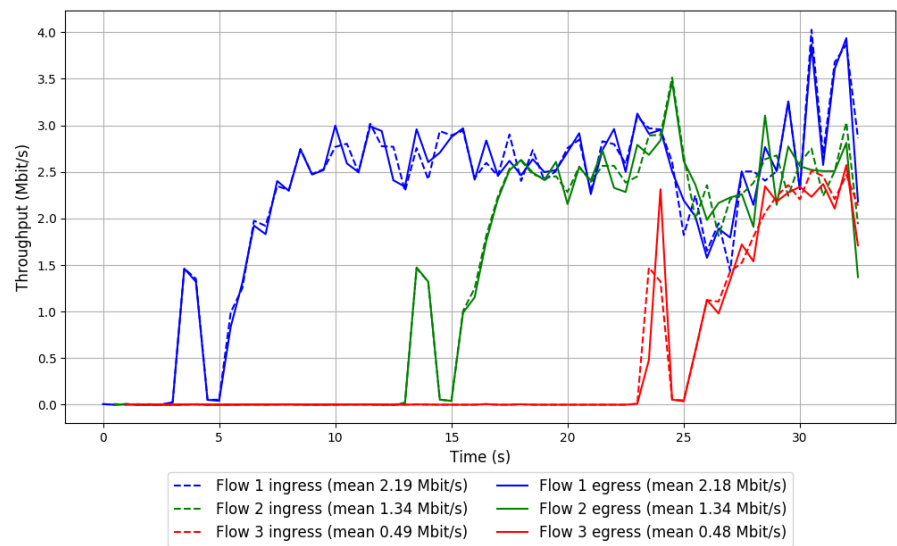


Run 8: Statistics of WebRTC media

Start at: 2018-01-26 13:18:06
End at: 2018-01-26 13:18:36
Local clock offset: 0.836 ms
Remote clock offset: -2.882 ms

Below is generated by plot.py at 2018-01-26 17:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 39.700 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 39.632 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 39.697 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 39.970 ms
Loss rate: 2.53%

Run 8: Report of WebRTC media — Data Link

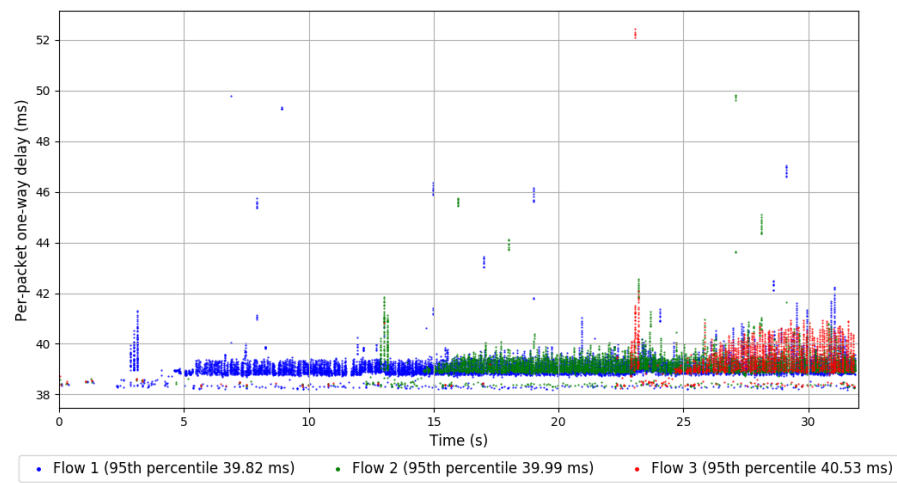
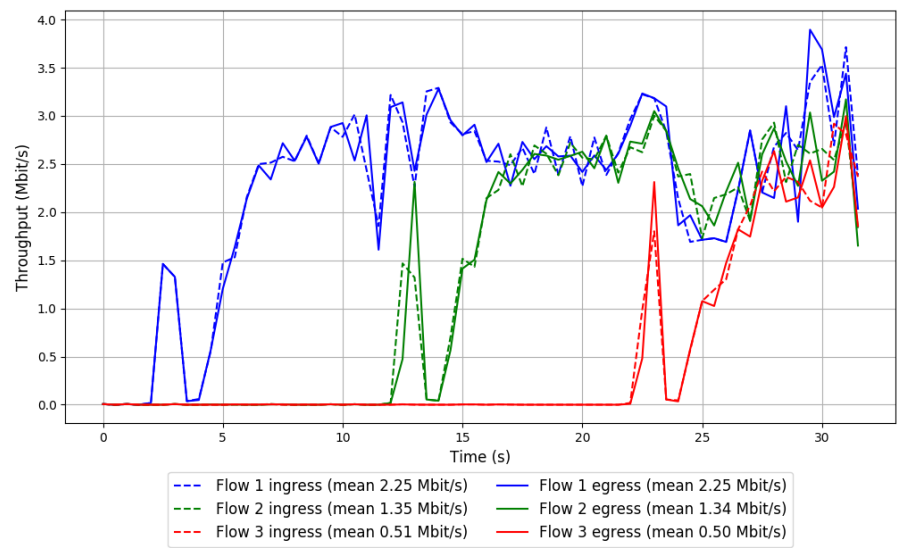


Run 9: Statistics of WebRTC media

Start at: 2018-01-26 13:38:53
End at: 2018-01-26 13:39:23
Local clock offset: 1.469 ms
Remote clock offset: -3.585 ms

Below is generated by plot.py at 2018-01-26 17:42:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 40.129 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 39.817 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 39.995 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 40.526 ms
Loss rate: 3.01%

Run 9: Report of WebRTC media — Data Link

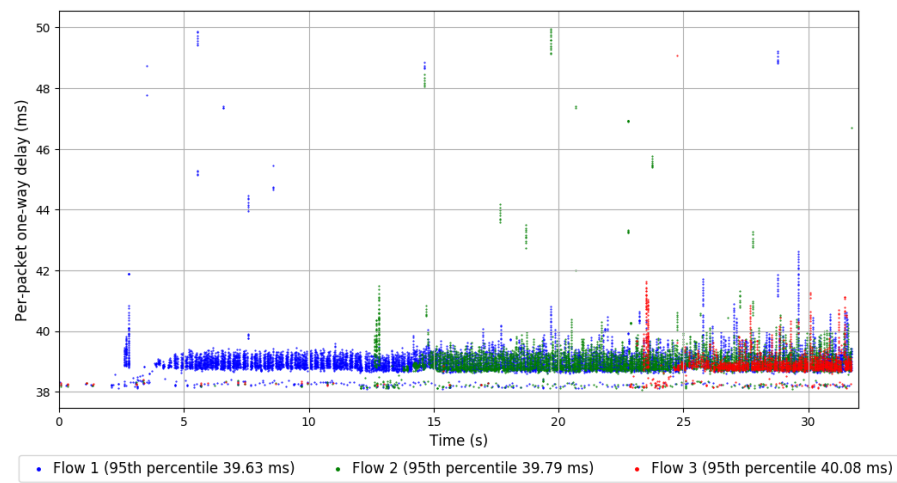
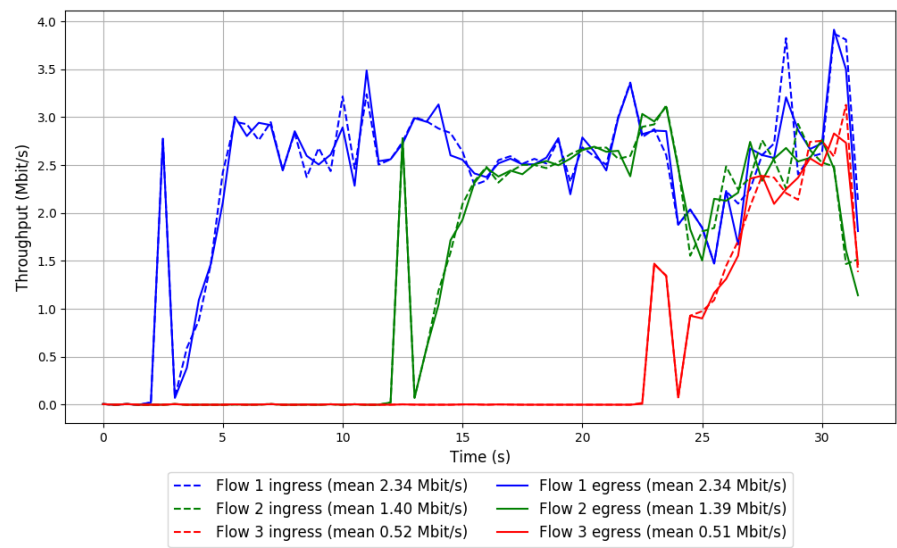


Run 10: Statistics of WebRTC media

Start at: 2018-01-26 14:04:45
End at: 2018-01-26 14:05:15
Local clock offset: 2.439 ms
Remote clock offset: -4.256 ms

Below is generated by plot.py at 2018-01-26 17:42:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 39.727 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 39.629 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 39.793 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 40.083 ms
Loss rate: 1.54%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-01-26 10:44:56

End at: 2018-01-26 10:45:26

Local clock offset: -0.028 ms

Remote clock offset: -7.25 ms

Below is generated by plot.py at 2018-01-26 17:43:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.48 Mbit/s

95th percentile per-packet one-way delay: 45.487 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 9.31 Mbit/s

95th percentile per-packet one-way delay: 45.209 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 9.29 Mbit/s

95th percentile per-packet one-way delay: 45.135 ms

Loss rate: 0.52%

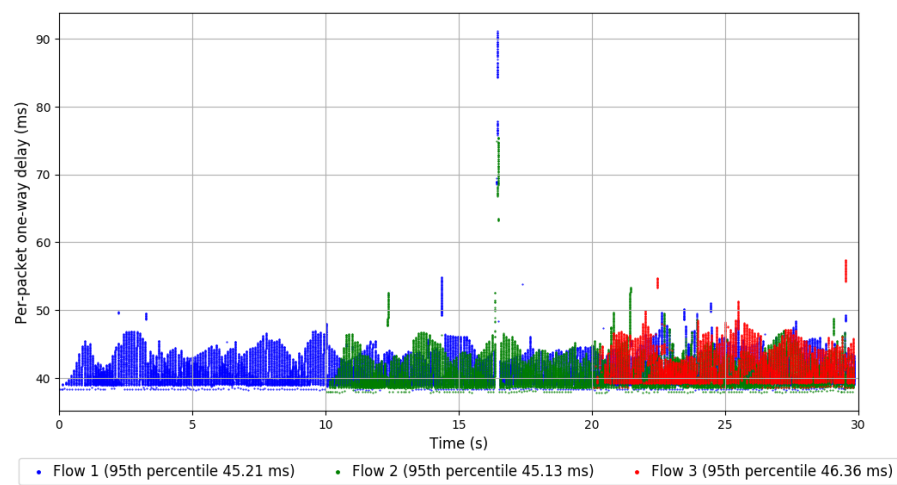
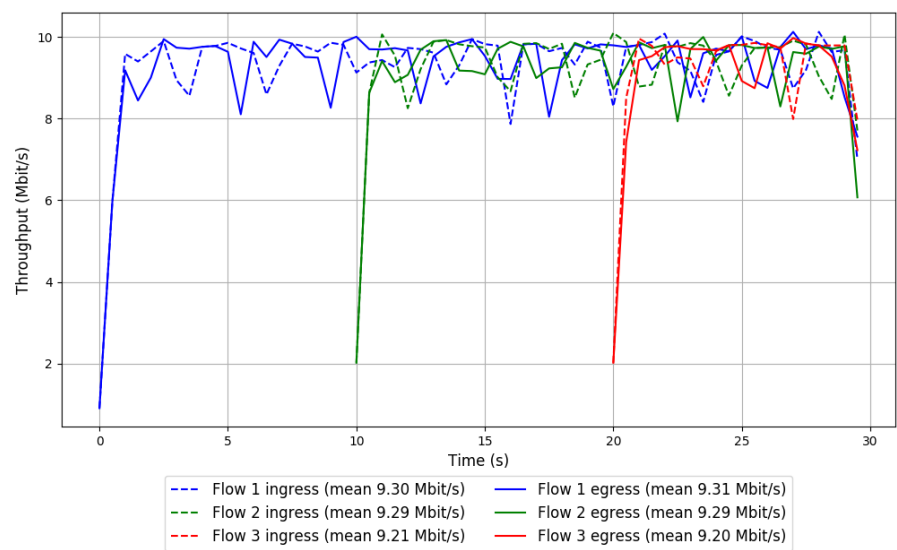
-- Flow 3:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 46.360 ms

Loss rate: 1.10%

Run 1: Report of Sprout — Data Link

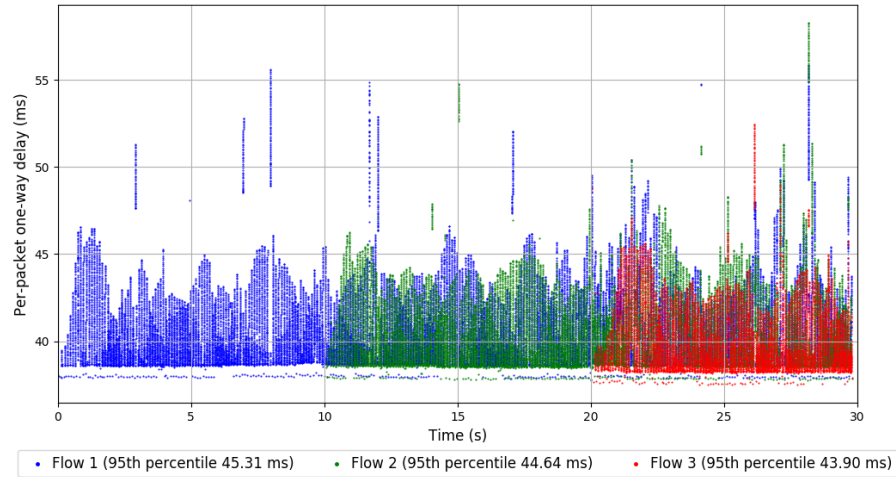
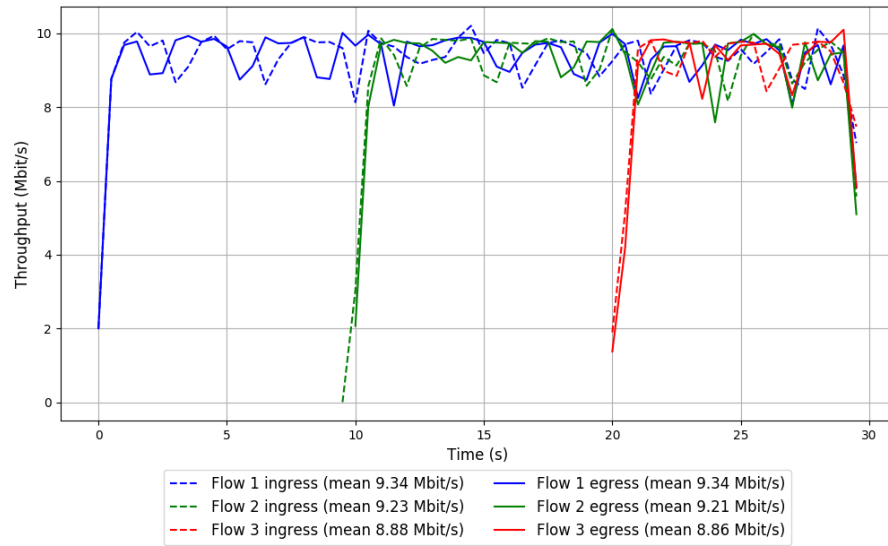


Run 2: Statistics of Sprout

Start at: 2018-01-26 11:04:41
End at: 2018-01-26 11:05:11
Local clock offset: -0.558 ms
Remote clock offset: -6.747 ms

Below is generated by plot.py at 2018-01-26 17:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 44.880 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 45.309 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 44.639 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 8.86 Mbit/s
95th percentile per-packet one-way delay: 43.901 ms
Loss rate: 1.09%

Run 2: Report of Sprout — Data Link

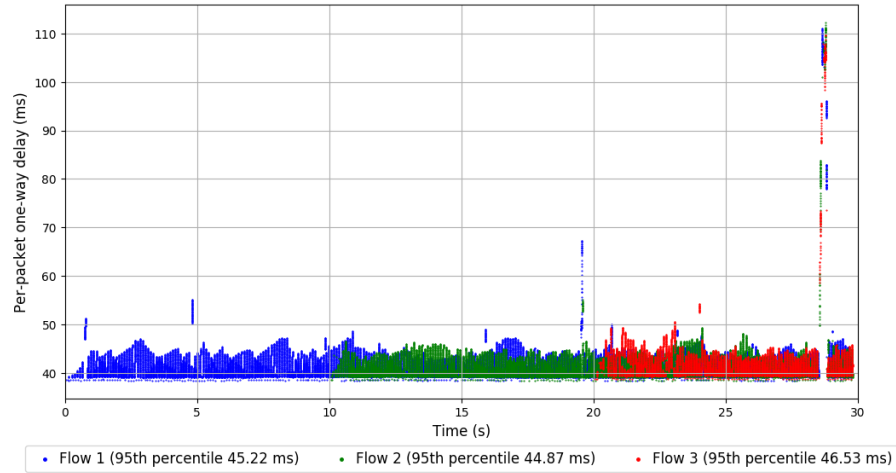
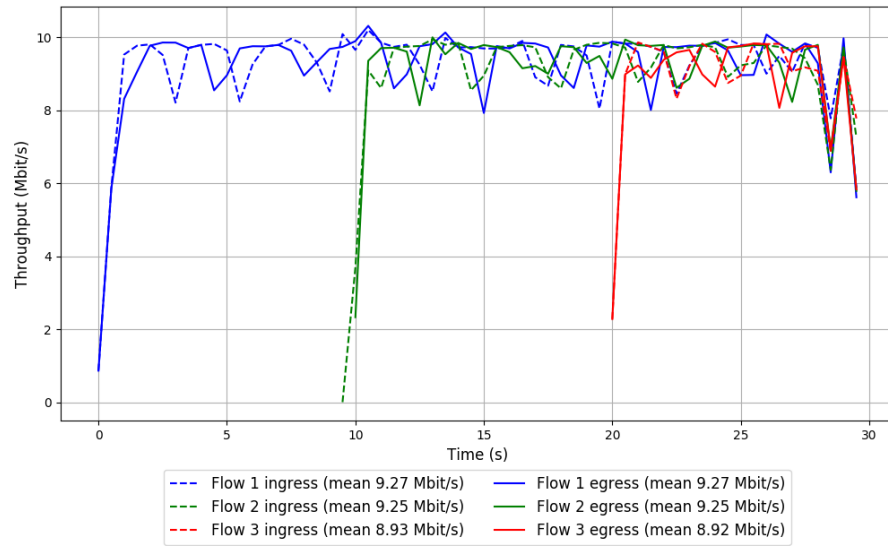


Run 3: Statistics of Sprout

Start at: 2018-01-26 11:24:39
End at: 2018-01-26 11:25:09
Local clock offset: -0.109 ms
Remote clock offset: -6.156 ms

```
# Below is generated by plot.py at 2018-01-26 17:43:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 45.249 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 45.216 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 44.870 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 8.92 Mbit/s
95th percentile per-packet one-way delay: 46.530 ms
Loss rate: 1.10%
```


Run 3: Report of Sprout — Data Link

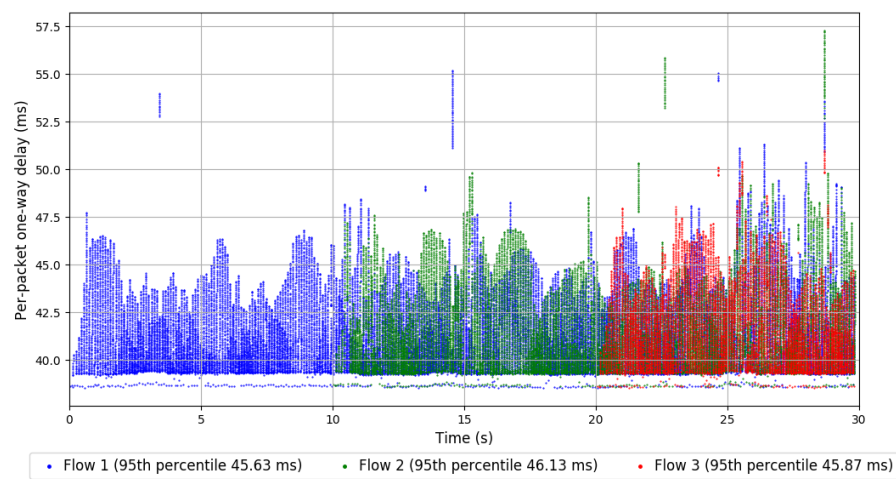
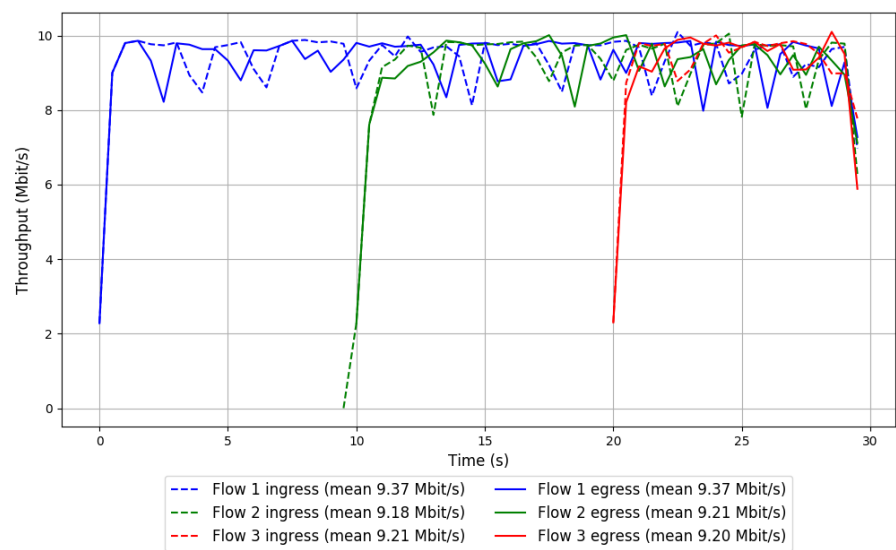


Run 4: Statistics of Sprout

Start at: 2018-01-26 11:44:44
End at: 2018-01-26 11:45:14
Local clock offset: -0.548 ms
Remote clock offset: -5.095 ms

Below is generated by plot.py at 2018-01-26 17:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.50 Mbit/s
95th percentile per-packet one-way delay: 45.855 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 45.632 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 46.126 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 45.871 ms
Loss rate: 1.08%

Run 4: Report of Sprout — Data Link

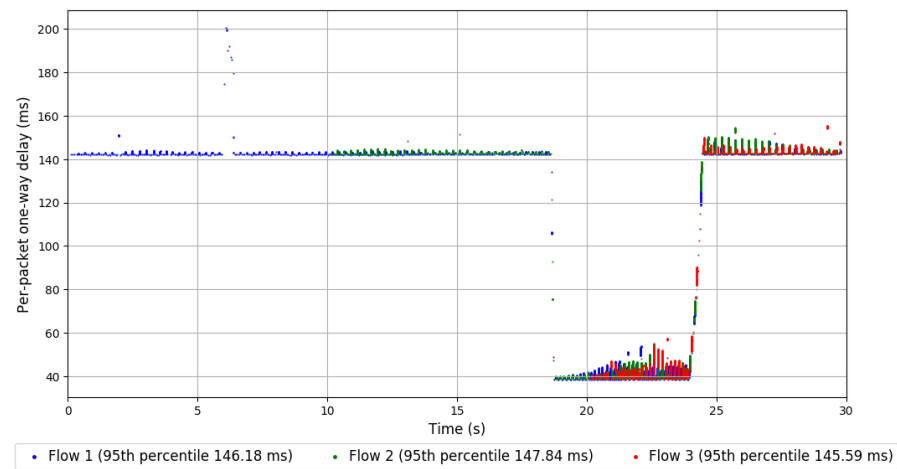
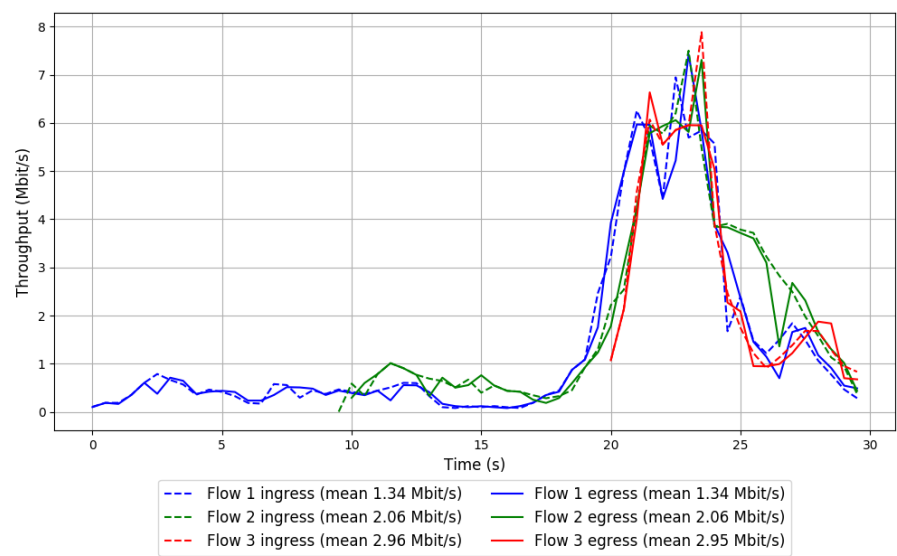


Run 5: Statistics of Sprout

Start at: 2018-01-26 12:06:07
End at: 2018-01-26 12:06:37
Local clock offset: -0.456 ms
Remote clock offset: -4.054 ms

Below is generated by plot.py at 2018-01-26 17:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 146.772 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 146.176 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 147.836 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 145.590 ms
Loss rate: 1.70%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

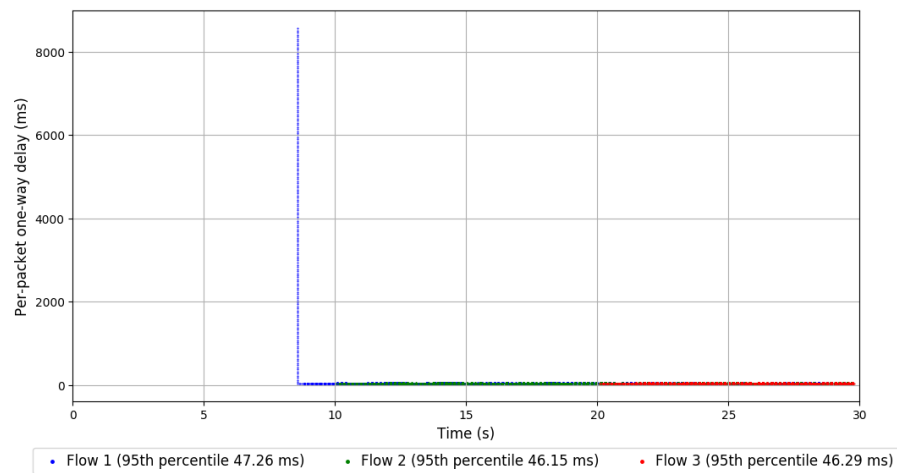
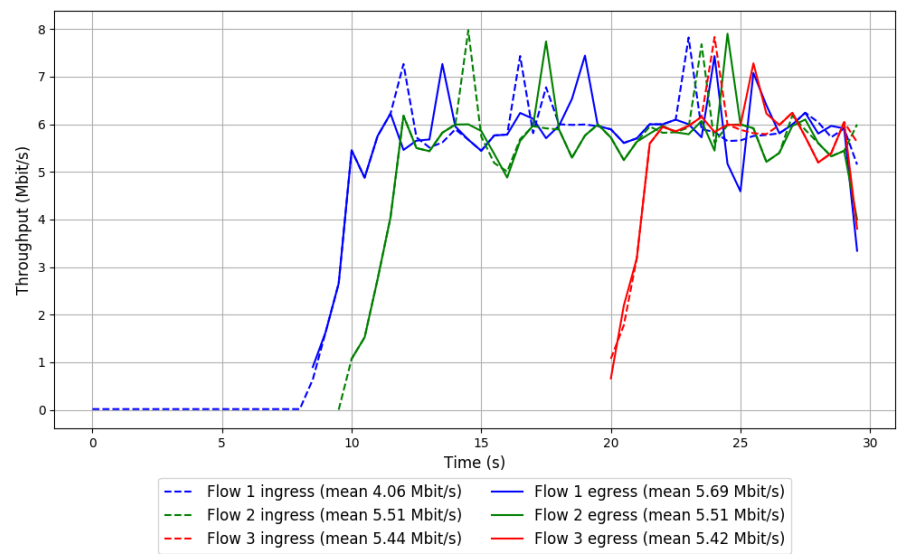
Start at: 2018-01-26 12:32:55

End at: 2018-01-26 12:33:25

Local clock offset: -0.672 ms

Remote clock offset: -3.329 ms

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

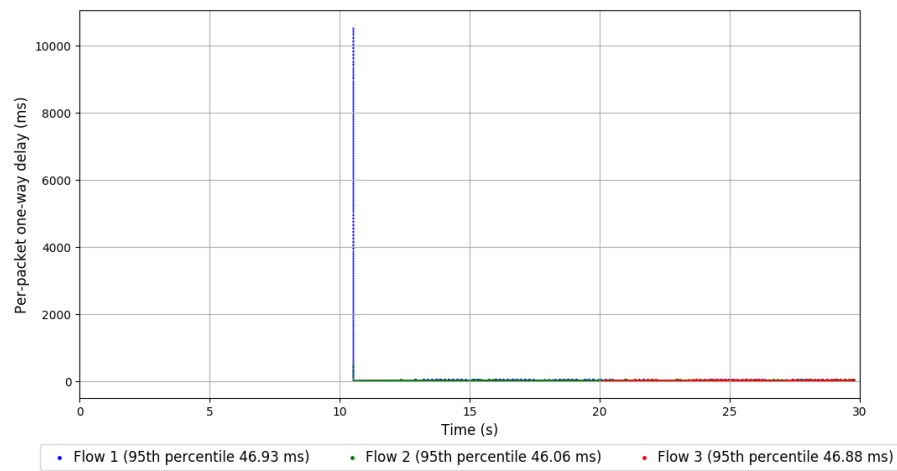
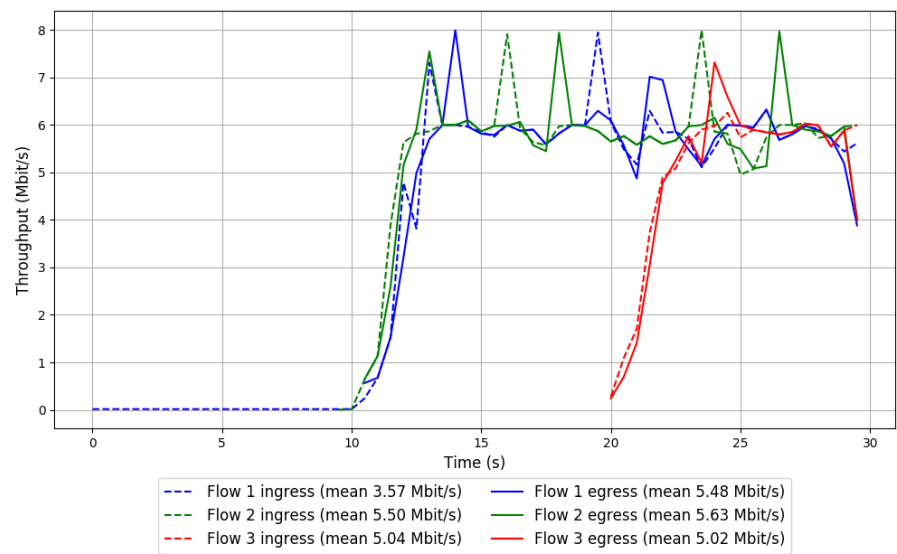
Start at: 2018-01-26 12:53:24

End at: 2018-01-26 12:53:54

Local clock offset: 0.256 ms

Remote clock offset: -2.599 ms

Run 7: Report of Sprout — Data Link

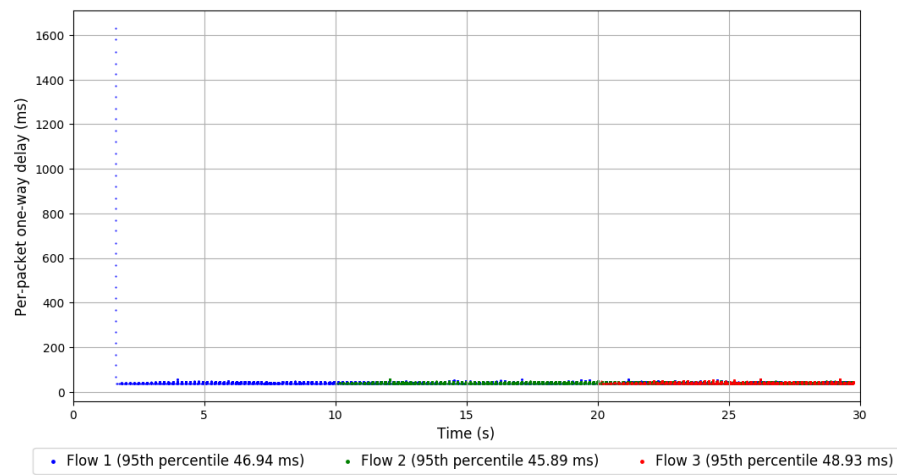
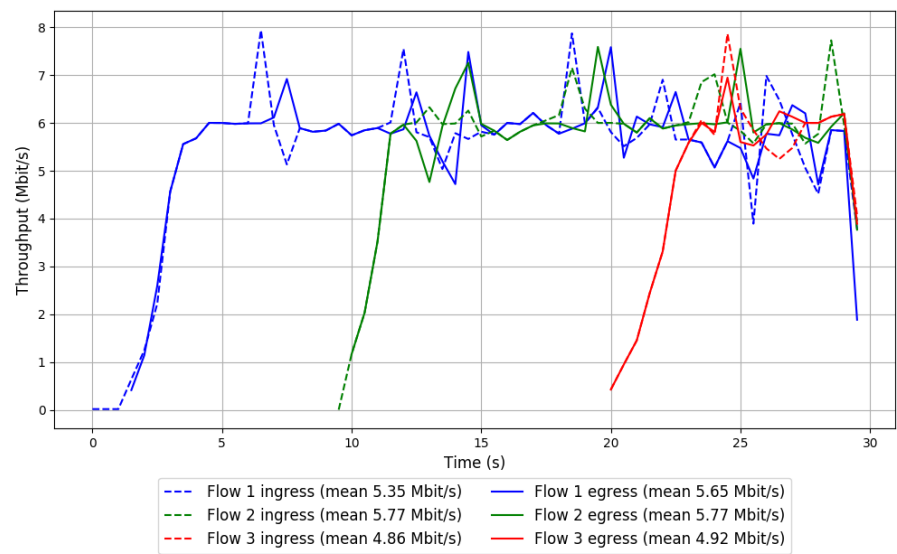


Run 8: Statistics of Sprout

Start at: 2018-01-26 13:14:14
End at: 2018-01-26 13:14:44
Local clock offset: 0.583 ms
Remote clock offset: -2.866 ms

Below is generated by plot.py at 2018-01-26 17:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 46.514 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 46.938 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 45.893 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 48.928 ms
Loss rate: 0.18%

Run 8: Report of Sprout — Data Link

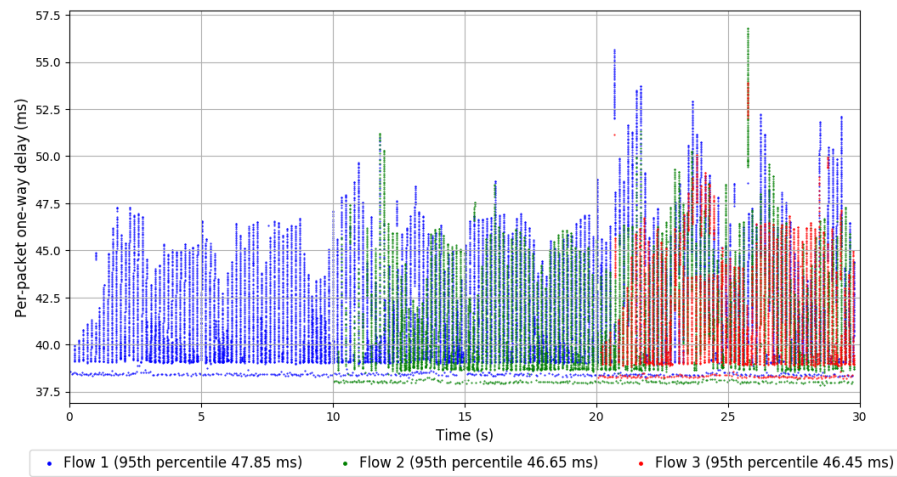
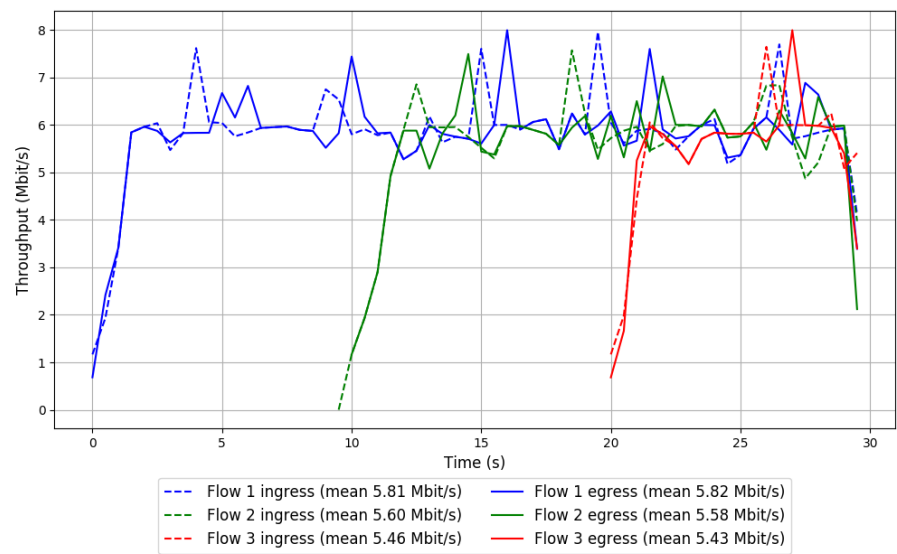


Run 9: Statistics of Sprout

Start at: 2018-01-26 13:35:04
End at: 2018-01-26 13:35:34
Local clock offset: 1.353 ms
Remote clock offset: -3.412 ms

Below is generated by plot.py at 2018-01-26 17:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 47.260 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 47.850 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 46.651 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 5.43 Mbit/s
95th percentile per-packet one-way delay: 46.446 ms
Loss rate: 1.87%

Run 9: Report of Sprout — Data Link

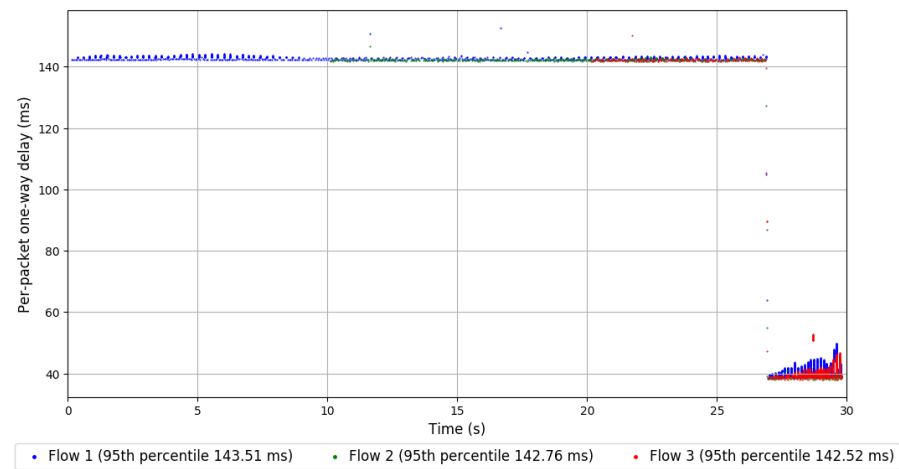
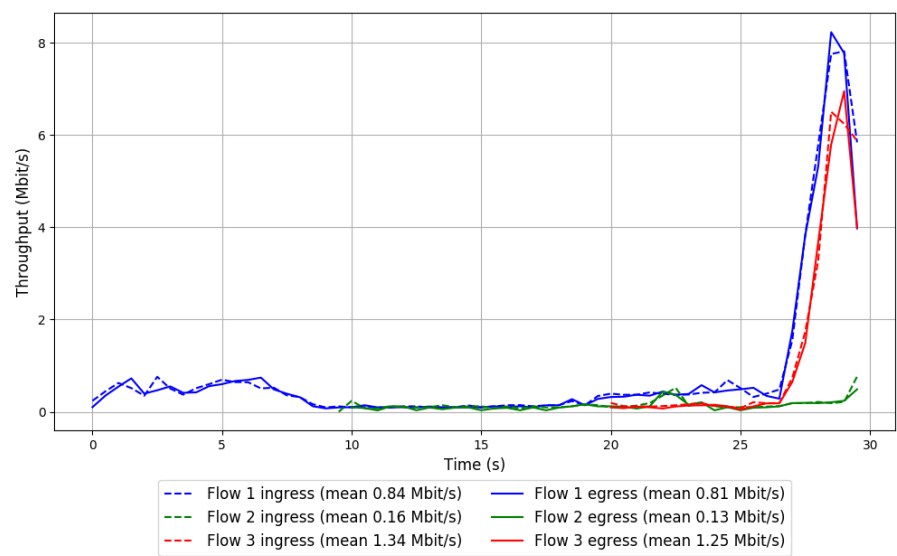


Run 10: Statistics of Sprout

Start at: 2018-01-26 14:00:46
End at: 2018-01-26 14:01:16
Local clock offset: 2.172 ms
Remote clock offset: -4.145 ms

```
# Below is generated by plot.py at 2018-01-26 17:43:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 143.363 ms
Loss rate: 6.97%
-- Flow 1:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 143.513 ms
Loss rate: 4.73%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 142.759 ms
Loss rate: 18.43%
-- Flow 3:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 142.517 ms
Loss rate: 8.43%
```

Run 10: Report of Sprout — Data Link

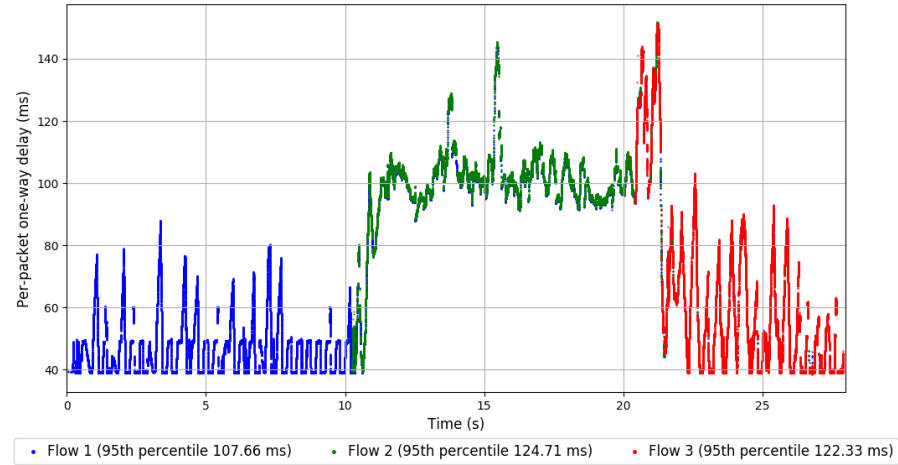
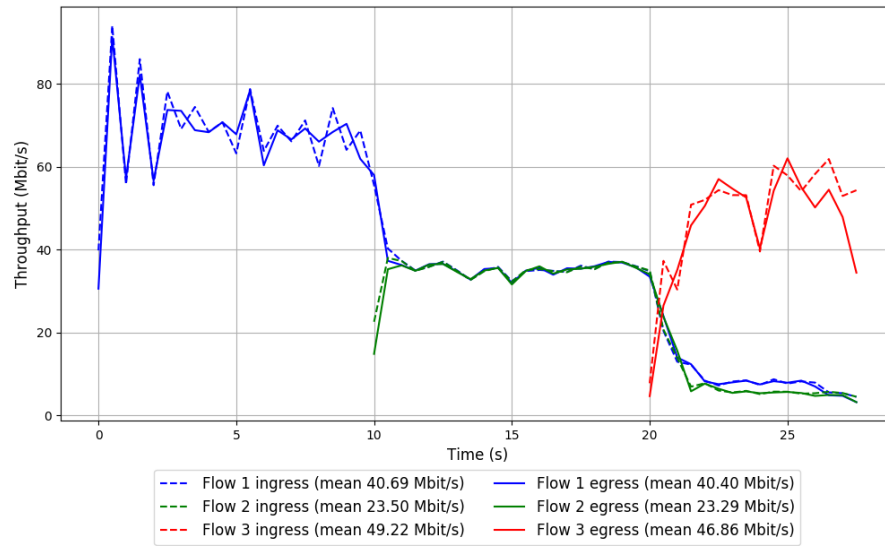


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-26 10:37:27
End at: 2018-01-26 10:37:57
Local clock offset: 0.196 ms
Remote clock offset: -7.362 ms

# Below is generated by plot.py at 2018-01-26 17:44:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 110.305 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 107.656 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 124.714 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 122.330 ms
Loss rate: 6.75%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-01-26 10:57:11

End at: 2018-01-26 10:57:41

Local clock offset: 0.264 ms

Remote clock offset: -6.97 ms

Below is generated by plot.py at 2018-01-26 17:44:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.75 Mbit/s

95th percentile per-packet one-way delay: 122.627 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 38.67 Mbit/s

95th percentile per-packet one-way delay: 120.492 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 26.21 Mbit/s

95th percentile per-packet one-way delay: 128.223 ms

Loss rate: 1.39%

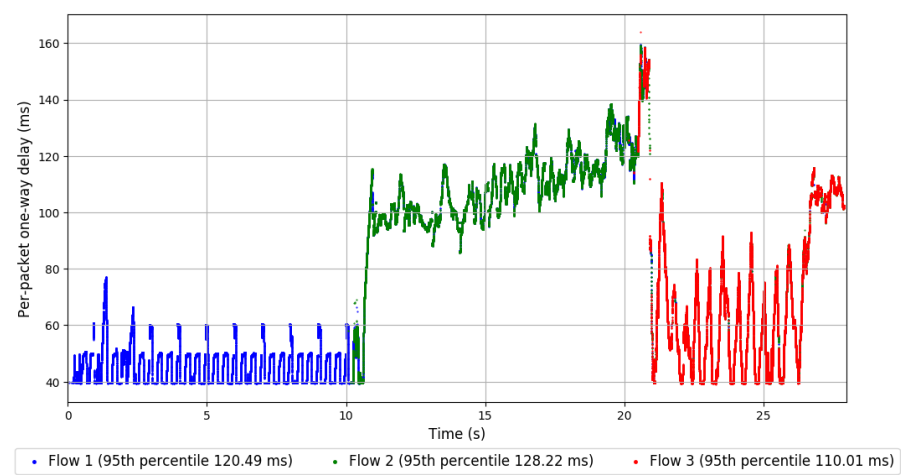
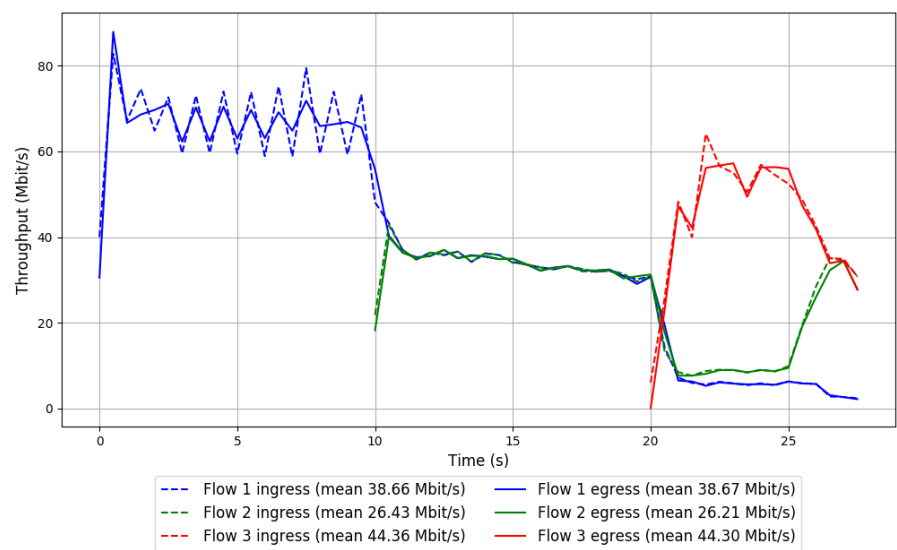
-- Flow 3:

Average throughput: 44.30 Mbit/s

95th percentile per-packet one-way delay: 110.012 ms

Loss rate: 2.29%

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

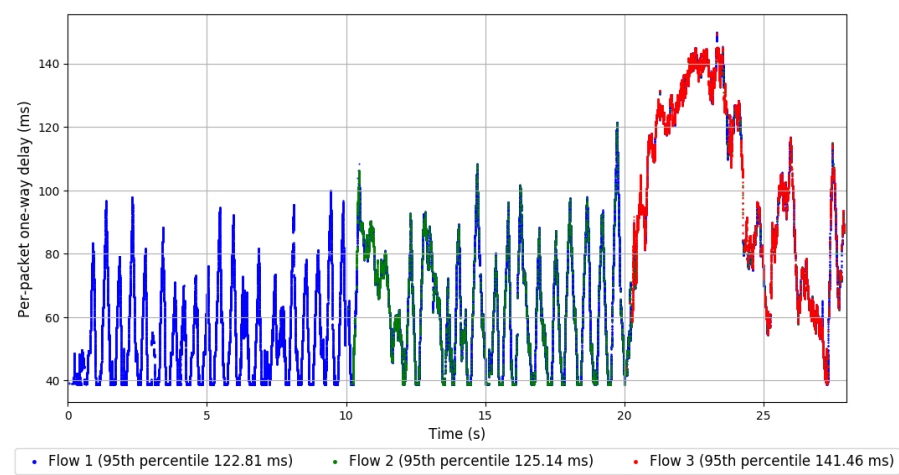
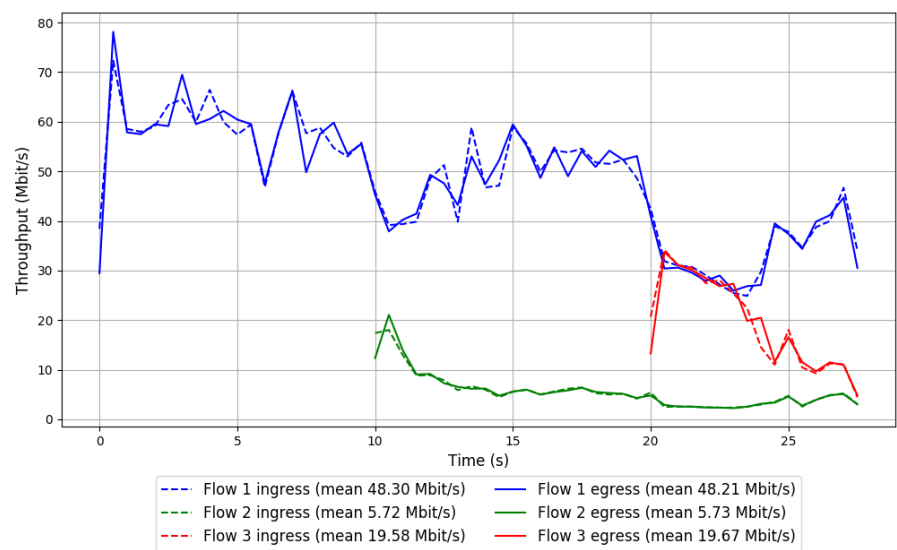


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-26 11:17:05
End at: 2018-01-26 11:17:35
Local clock offset: -0.134 ms
Remote clock offset: -6.334 ms

Below is generated by plot.py at 2018-01-26 17:44:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 131.428 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 122.807 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 125.140 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 19.67 Mbit/s
95th percentile per-packet one-way delay: 141.461 ms
Loss rate: 0.66%

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

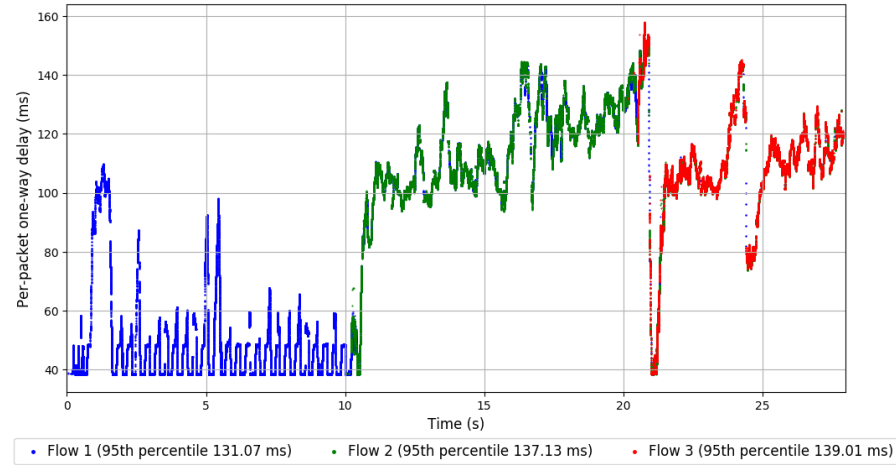
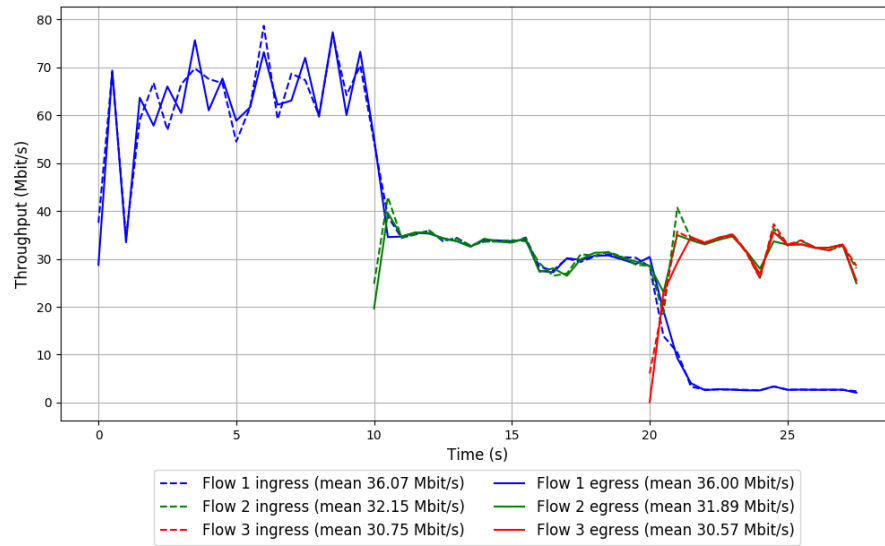


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-26 11:37:08
End at: 2018-01-26 11:37:38
Local clock offset: -0.694 ms
Remote clock offset: -5.479 ms

Below is generated by plot.py at 2018-01-26 17:44:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.92 Mbit/s
95th percentile per-packet one-way delay: 134.141 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 131.072 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 137.127 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 139.014 ms
Loss rate: 2.82%

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

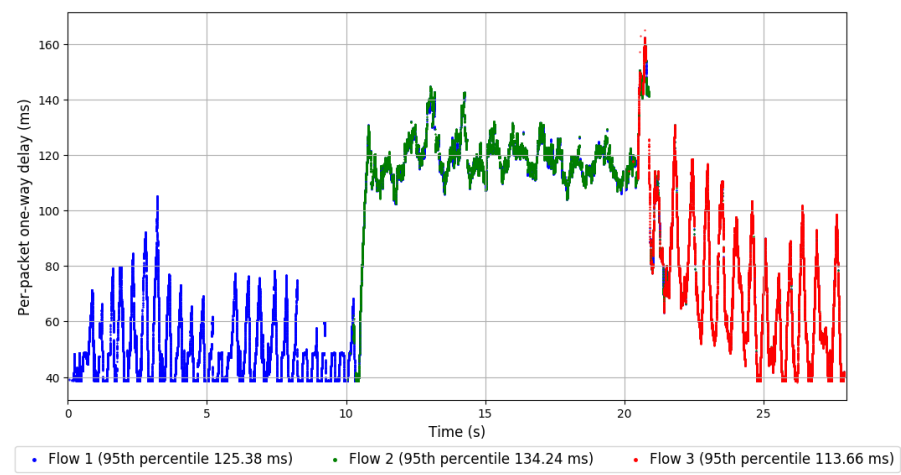
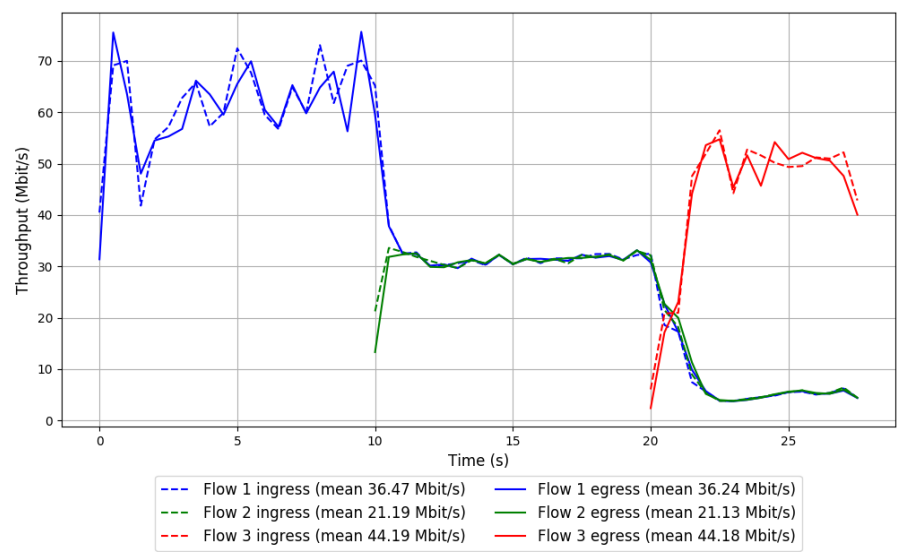


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-26 11:57:06
End at: 2018-01-26 11:57:36
Local clock offset: -0.59 ms
Remote clock offset: -4.353 ms

Below is generated by plot.py at 2018-01-26 17:44:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 127.126 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 125.380 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 21.13 Mbit/s
95th percentile per-packet one-way delay: 134.244 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 44.18 Mbit/s
95th percentile per-packet one-way delay: 113.659 ms
Loss rate: 2.06%

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

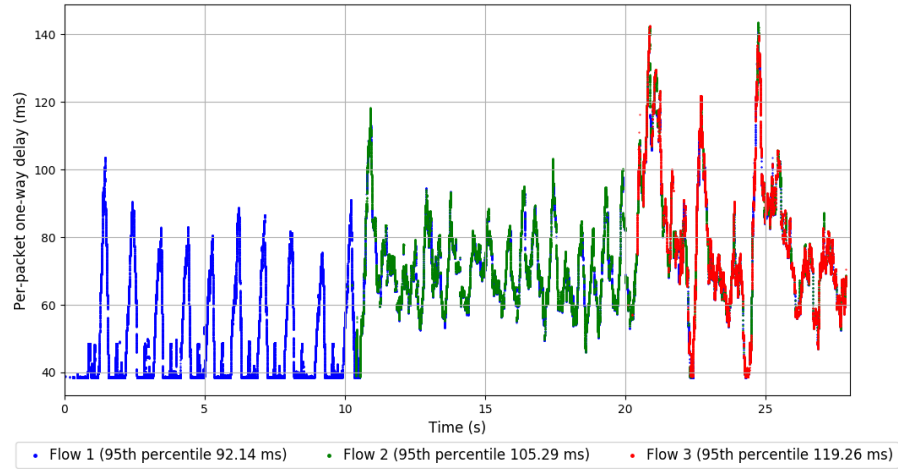
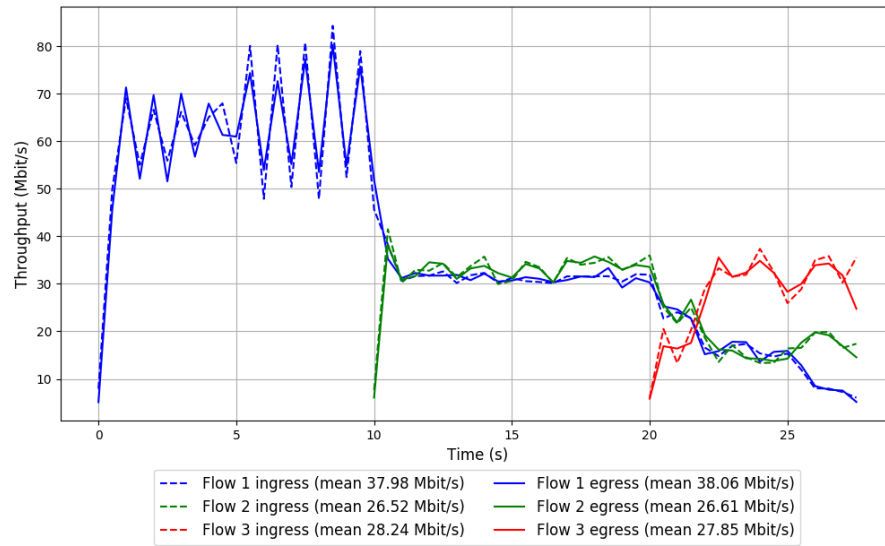


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-26 12:25:05
End at: 2018-01-26 12:25:35
Local clock offset: -0.419 ms
Remote clock offset: -3.461 ms

Below is generated by plot.py at 2018-01-26 17:44:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.81 Mbit/s
95th percentile per-packet one-way delay: 100.452 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 92.138 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 26.61 Mbit/s
95th percentile per-packet one-way delay: 105.290 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 119.260 ms
Loss rate: 3.30%

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

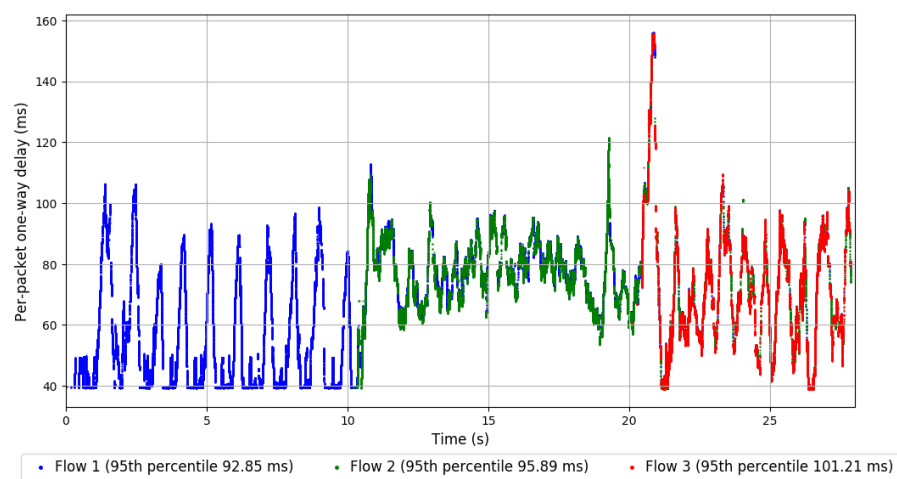
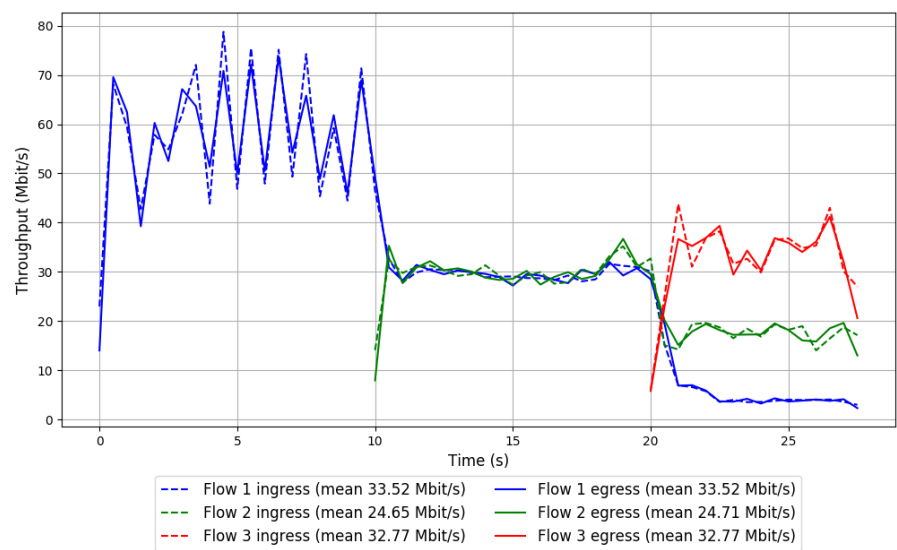


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-26 12:45:35
End at: 2018-01-26 12:46:05
Local clock offset: 0.038 ms
Remote clock offset: -2.923 ms

Below is generated by plot.py at 2018-01-26 17:44:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.44 Mbit/s
95th percentile per-packet one-way delay: 94.733 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 92.847 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 95.885 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 101.210 ms
Loss rate: 2.13%

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

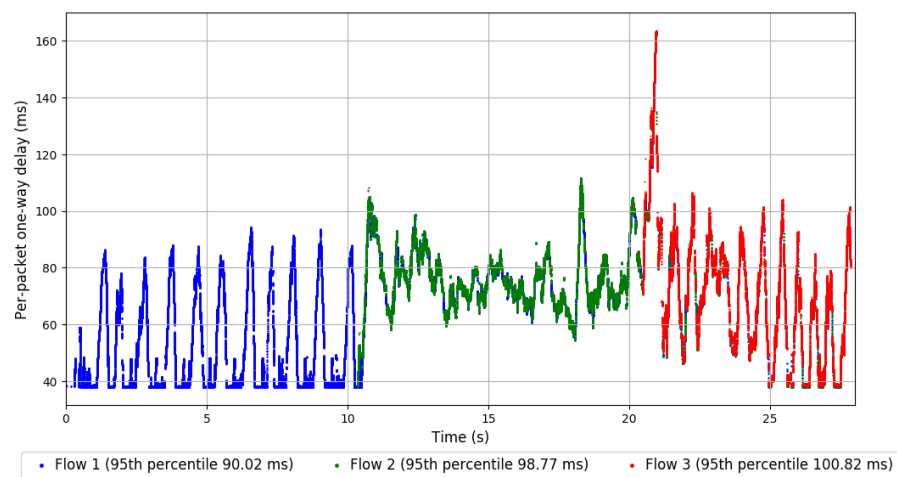
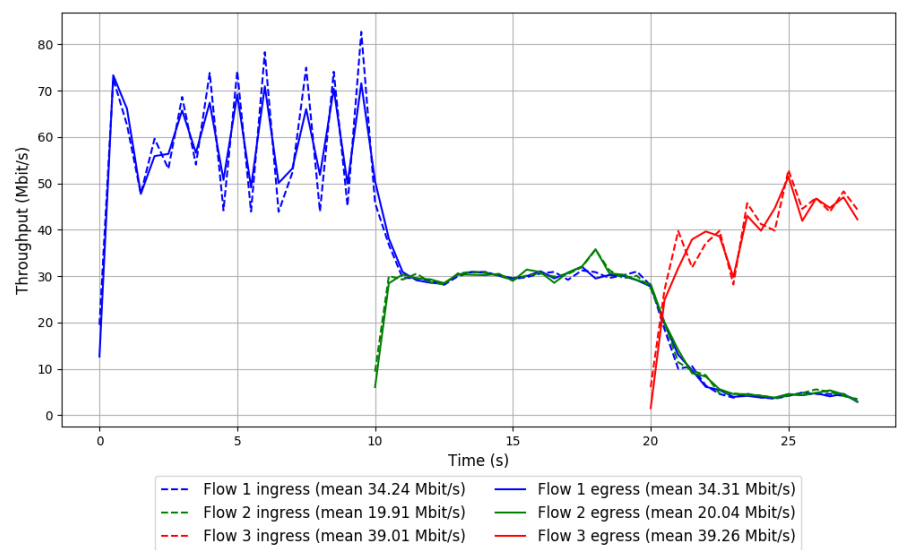


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-26 13:06:15
End at: 2018-01-26 13:06:45
Local clock offset: 0.011 ms
Remote clock offset: -2.633 ms

Below is generated by plot.py at 2018-01-26 17:44:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.98 Mbit/s
95th percentile per-packet one-way delay: 95.382 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 90.018 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 98.769 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 100.820 ms
Loss rate: 1.90%

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

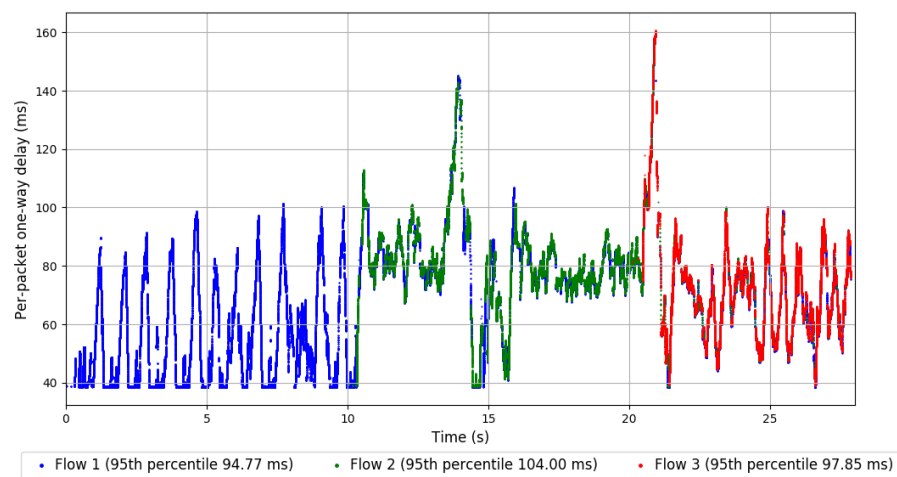
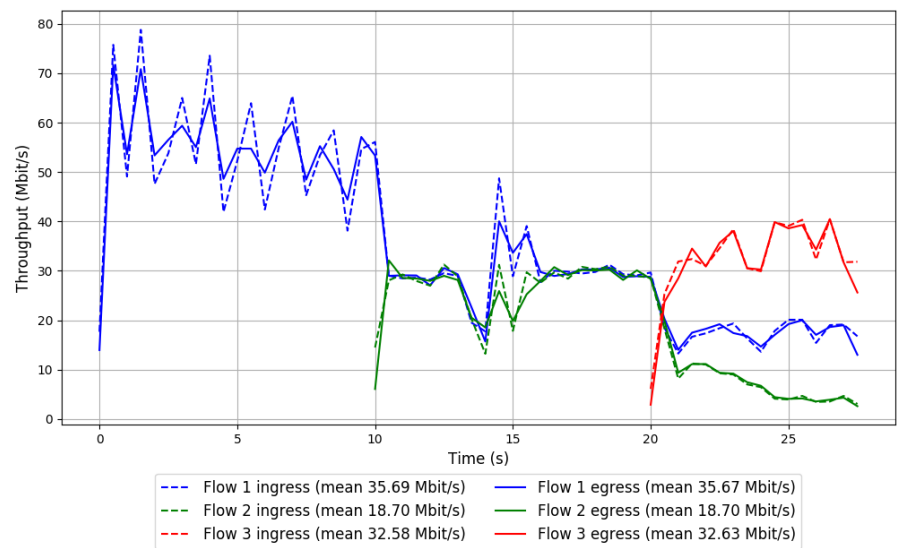


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-26 13:27:17
End at: 2018-01-26 13:27:47
Local clock offset: 0.942 ms
Remote clock offset: -3.256 ms

Below is generated by plot.py at 2018-01-26 17:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 97.685 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 94.770 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 18.70 Mbit/s
95th percentile per-packet one-way delay: 104.001 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 97.851 ms
Loss rate: 2.11%

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

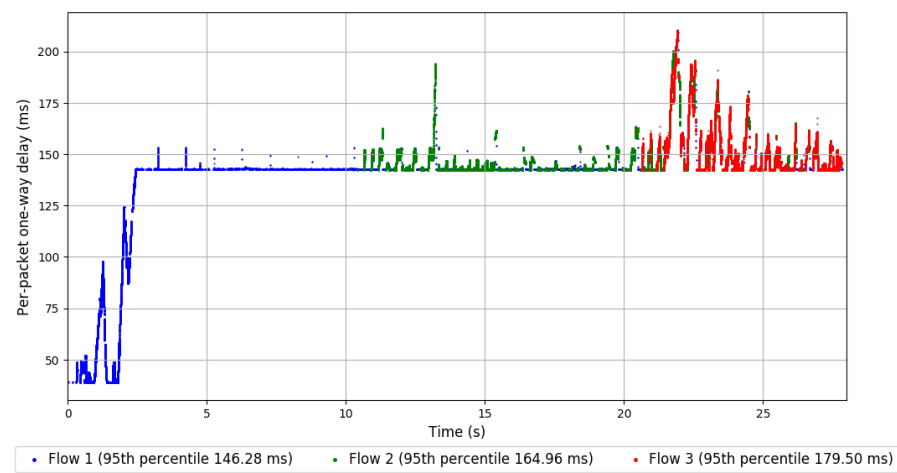
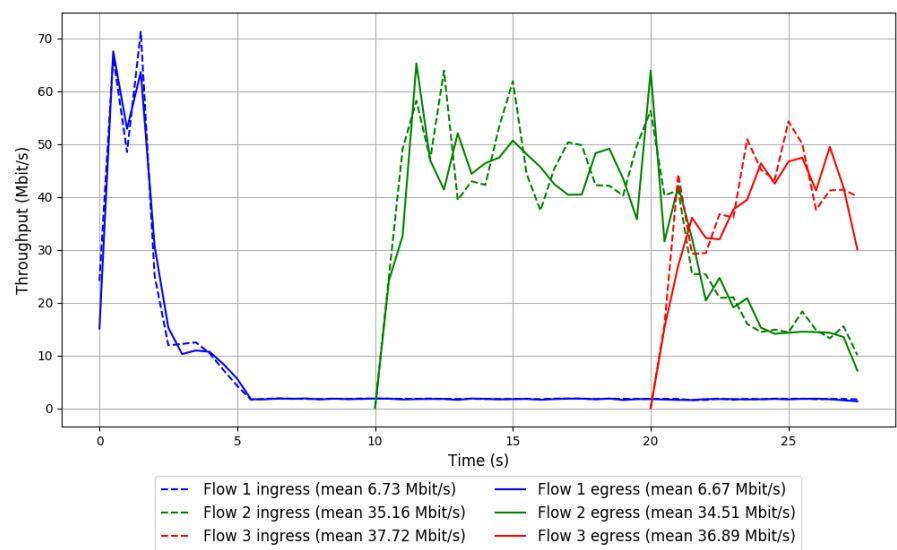


Run 10: Statistics of TaoVA-100x

Start at: 2018-01-26 13:48:59
End at: 2018-01-26 13:49:29
Local clock offset: 1.767 ms
Remote clock offset: -3.713 ms

Below is generated by plot.py at 2018-01-26 17:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 169.467 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 146.276 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 34.51 Mbit/s
95th percentile per-packet one-way delay: 164.960 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 179.502 ms
Loss rate: 5.08%

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

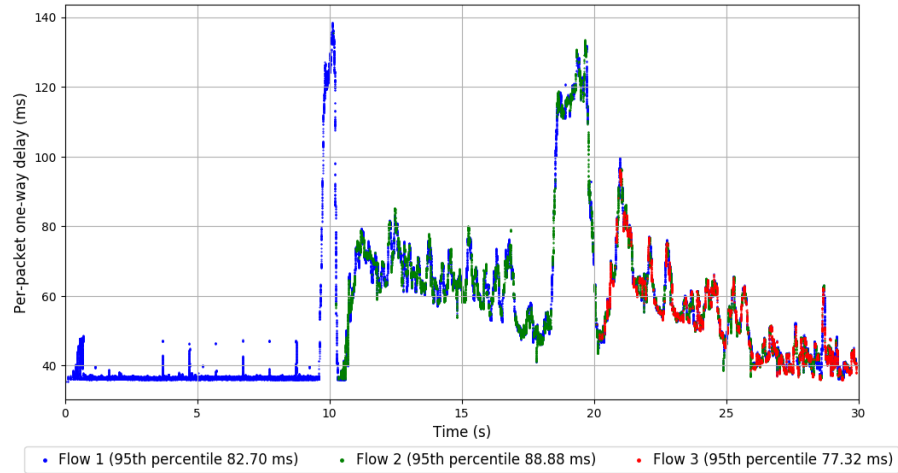
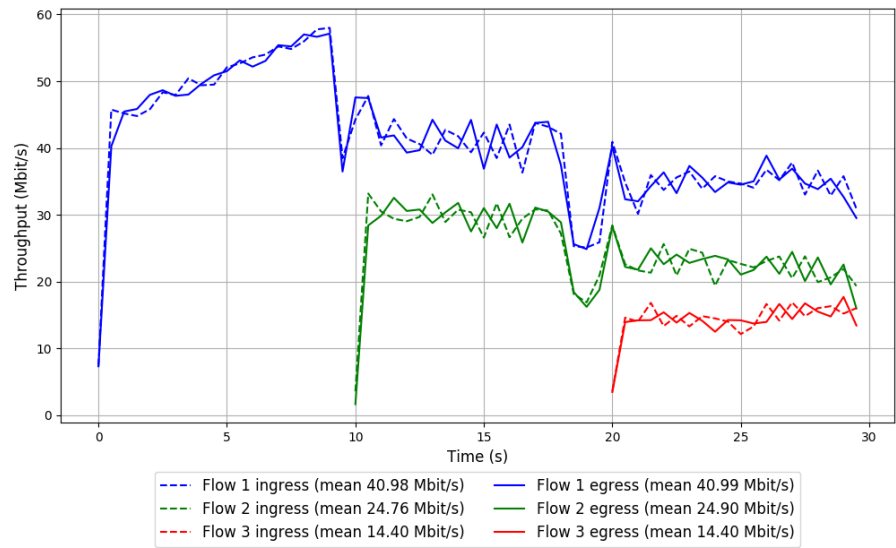


Run 1: Statistics of TCP Vegas

Start at: 2018-01-26 10:46:07
End at: 2018-01-26 10:46:37
Local clock offset: -2.872 ms
Remote clock offset: -7.228 ms

Below is generated by plot.py at 2018-01-26 17:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 83.336 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 82.700 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 88.883 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 14.40 Mbit/s
95th percentile per-packet one-way delay: 77.321 ms
Loss rate: 1.04%

Run 1: Report of TCP Vegas — Data Link

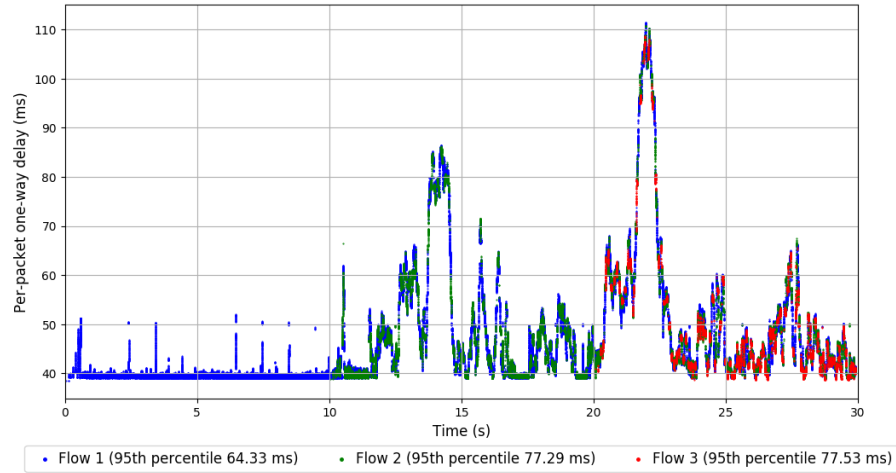
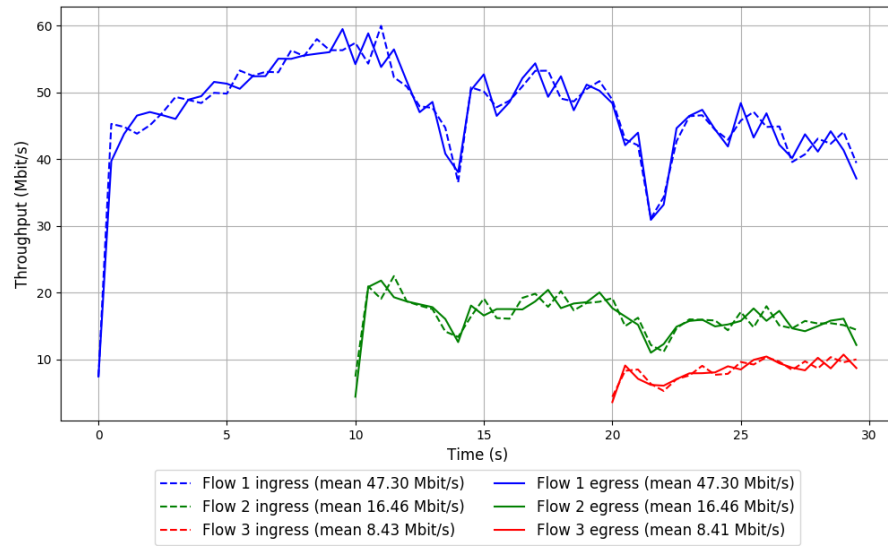


Run 2: Statistics of TCP Vegas

Start at: 2018-01-26 11:05:52
End at: 2018-01-26 11:06:22
Local clock offset: -0.012 ms
Remote clock offset: -6.706 ms

Below is generated by plot.py at 2018-01-26 17:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 66.351 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 64.329 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 77.287 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 77.533 ms
Loss rate: 1.12%

Run 2: Report of TCP Vegas — Data Link

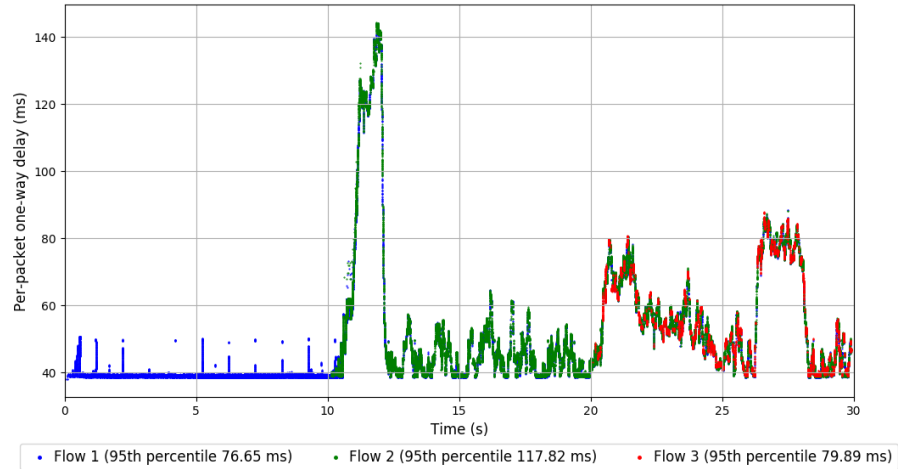
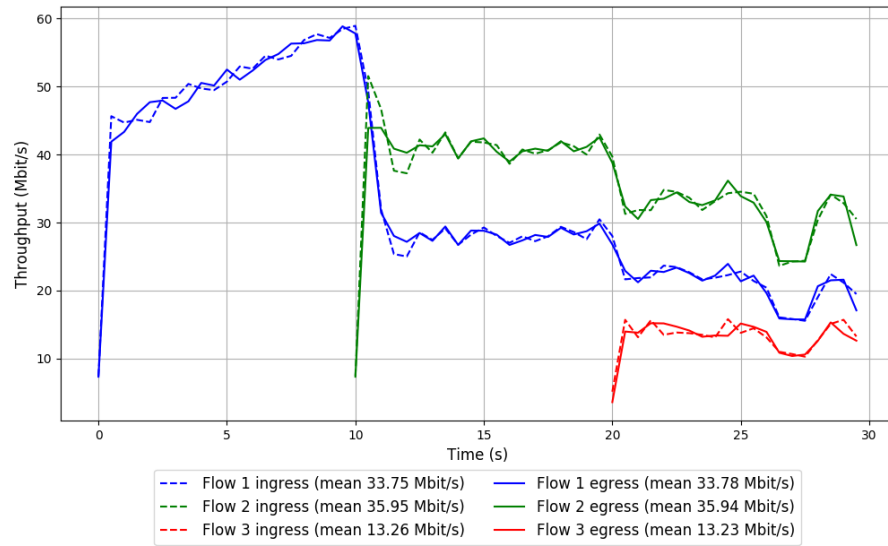


Run 3: Statistics of TCP Vegas

Start at: 2018-01-26 11:25:51
End at: 2018-01-26 11:26:21
Local clock offset: -0.611 ms
Remote clock offset: -6.121 ms

Below is generated by plot.py at 2018-01-26 17:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 82.143 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 76.648 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 117.822 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 79.893 ms
Loss rate: 1.08%

Run 3: Report of TCP Vegas — Data Link

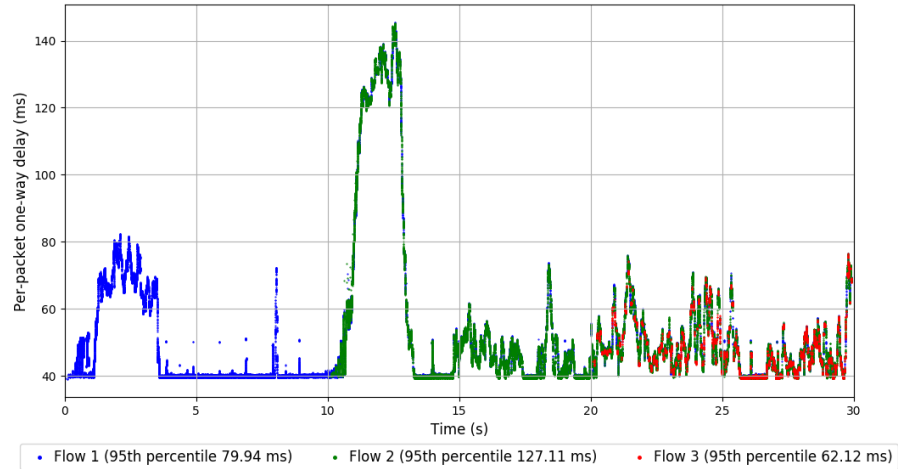
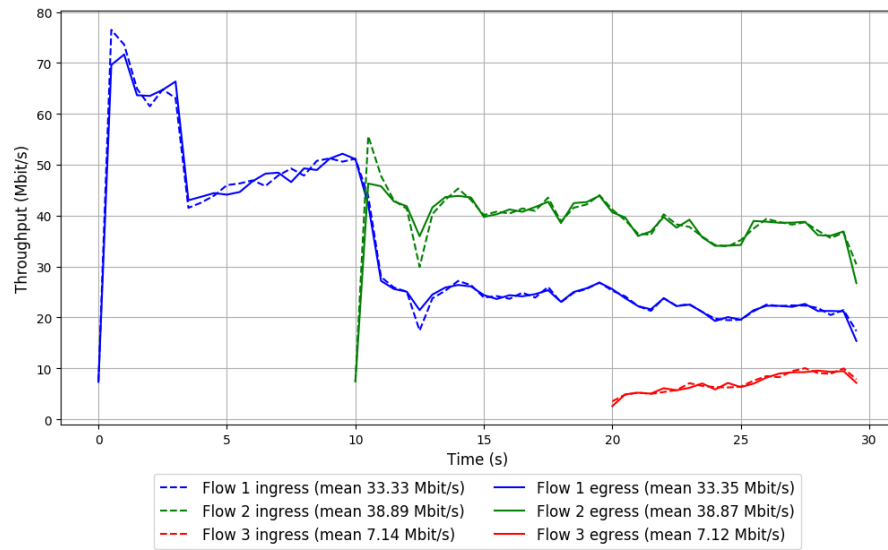


Run 4: Statistics of TCP Vegas

Start at: 2018-01-26 11:45:56
End at: 2018-01-26 11:46:26
Local clock offset: -0.123 ms
Remote clock offset: -4.953 ms

Below is generated by plot.py at 2018-01-26 17:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 121.582 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 79.943 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 127.113 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 62.119 ms
Loss rate: 1.29%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-26 12:07:35

End at: 2018-01-26 12:08:05

Local clock offset: -0.621 ms

Remote clock offset: -3.96 ms

Below is generated by plot.py at 2018-01-26 17:45:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 142.813 ms

Loss rate: 2.62%

-- Flow 1:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 142.414 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 143.730 ms

Loss rate: 3.64%

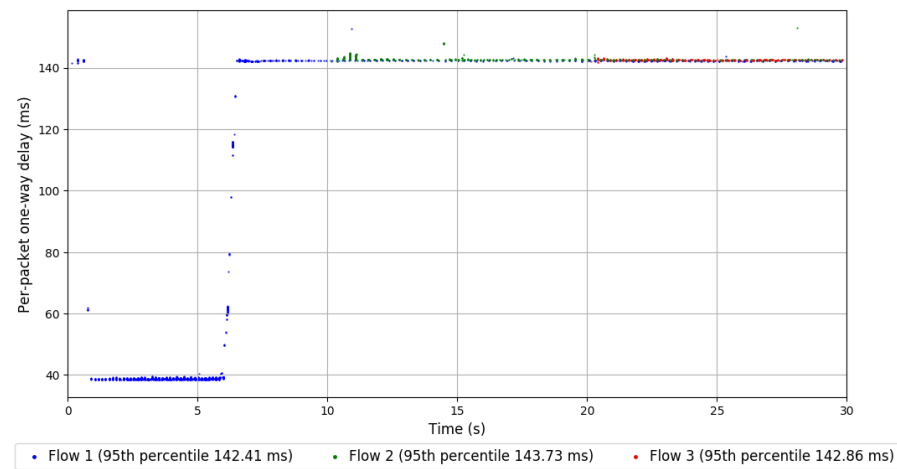
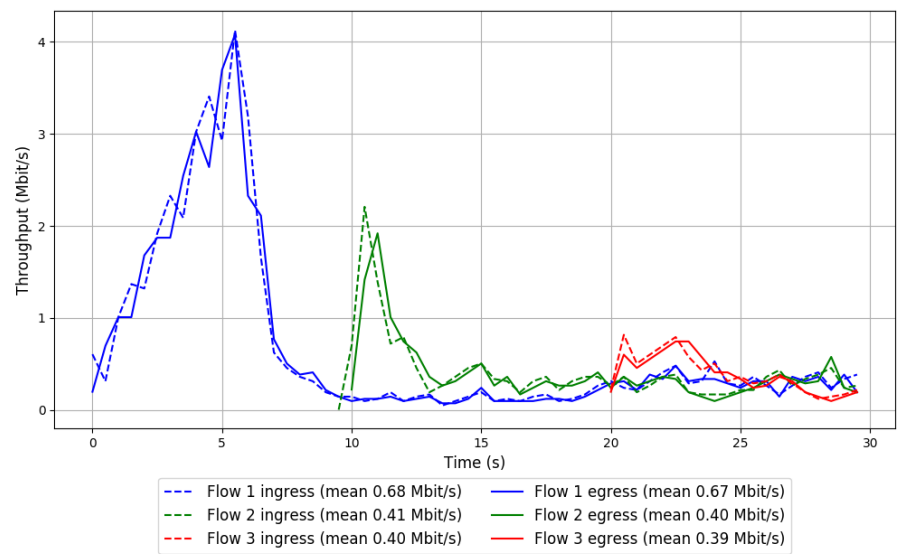
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 142.860 ms

Loss rate: 3.94%

Run 5: Report of TCP Vegas — Data Link

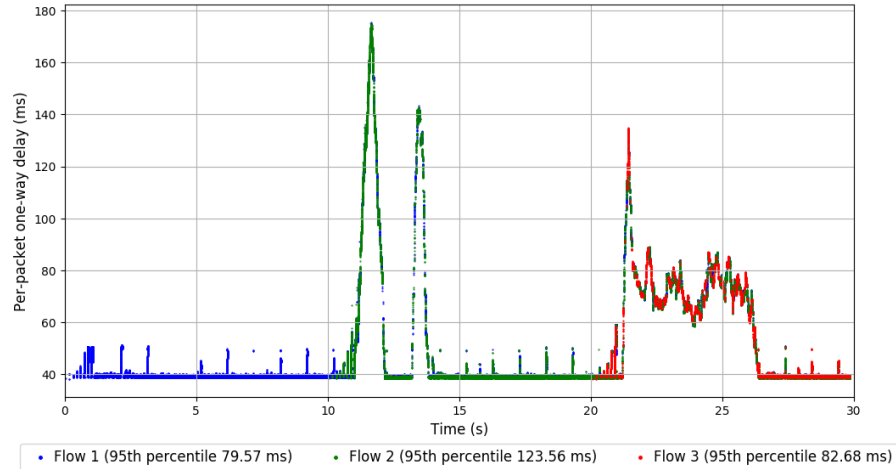
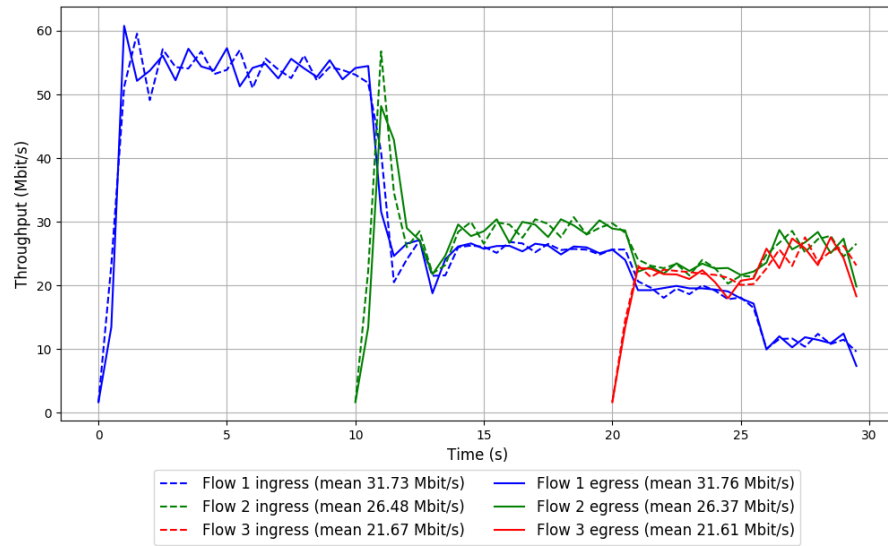


Run 6: Statistics of TCP Vegas

Start at: 2018-01-26 12:34:09
End at: 2018-01-26 12:34:39
Local clock offset: -0.293 ms
Remote clock offset: -3.203 ms

Below is generated by plot.py at 2018-01-26 17:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 88.258 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 79.574 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 26.37 Mbit/s
95th percentile per-packet one-way delay: 123.559 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 82.681 ms
Loss rate: 1.65%

Run 6: Report of TCP Vegas — Data Link

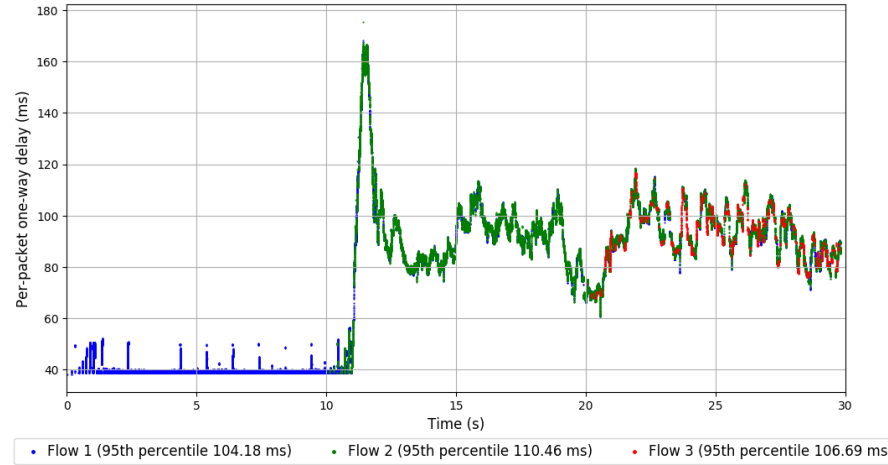
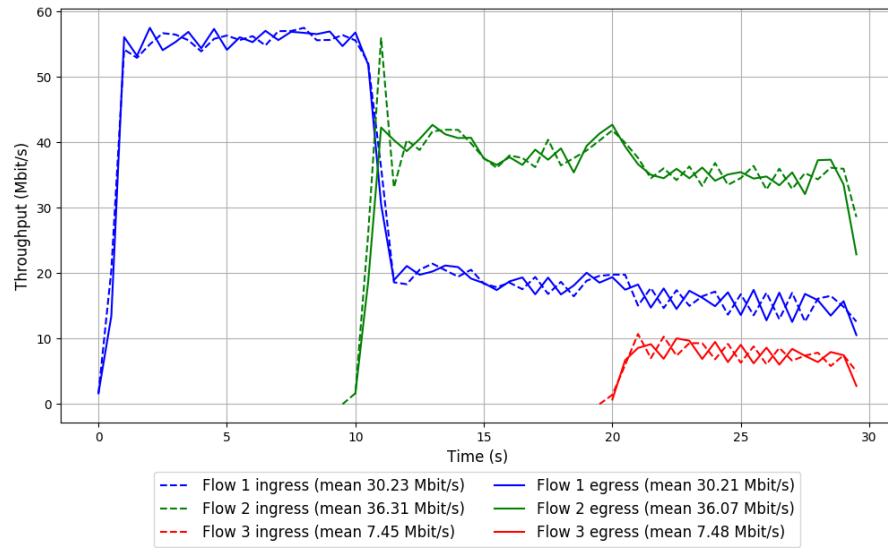


Run 7: Statistics of TCP Vegas

Start at: 2018-01-26 12:54:39
End at: 2018-01-26 12:55:09
Local clock offset: -0.01 ms
Remote clock offset: -2.552 ms

Below is generated by plot.py at 2018-01-26 17:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 107.701 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 104.184 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 110.456 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 106.692 ms
Loss rate: 1.71%

Run 7: Report of TCP Vegas — Data Link

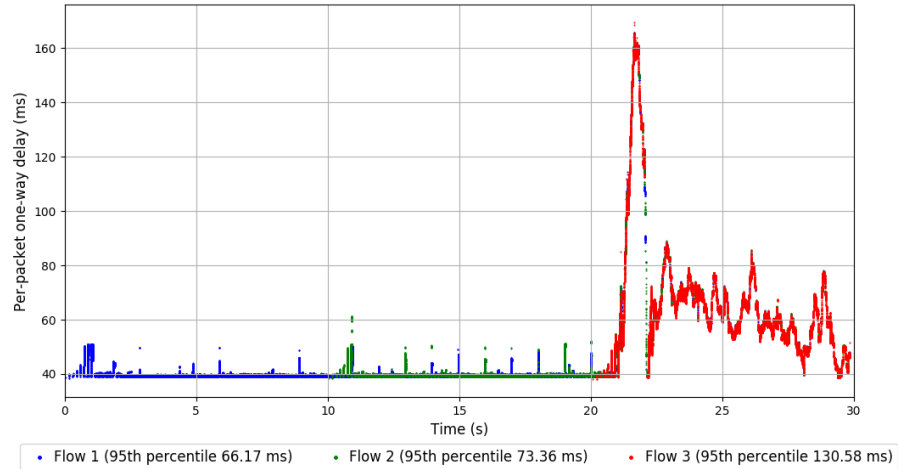
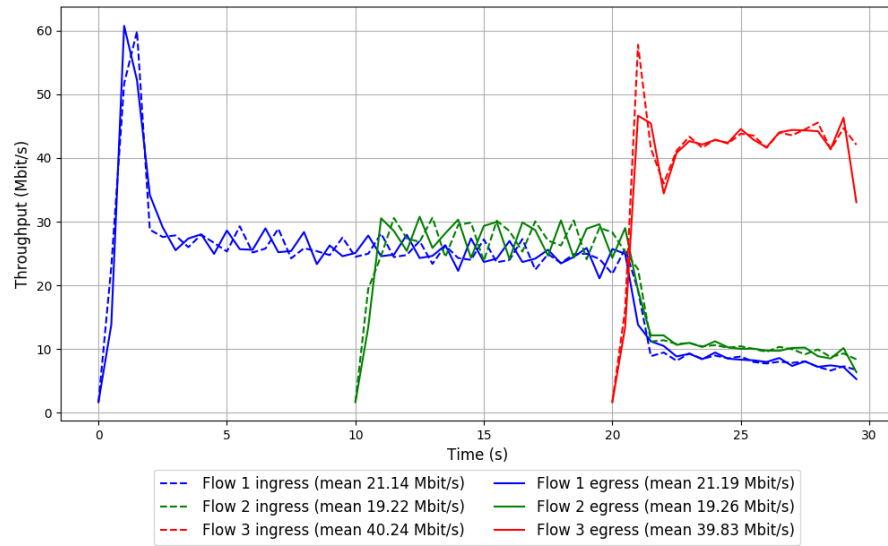


Run 8: Statistics of TCP Vegas

Start at: 2018-01-26 13:15:29
End at: 2018-01-26 13:15:59
Local clock offset: 0.808 ms
Remote clock offset: -2.968 ms

Below is generated by plot.py at 2018-01-26 17:46:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 79.473 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 66.171 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 73.355 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 130.582 ms
Loss rate: 2.48%

Run 8: Report of TCP Vegas — Data Link

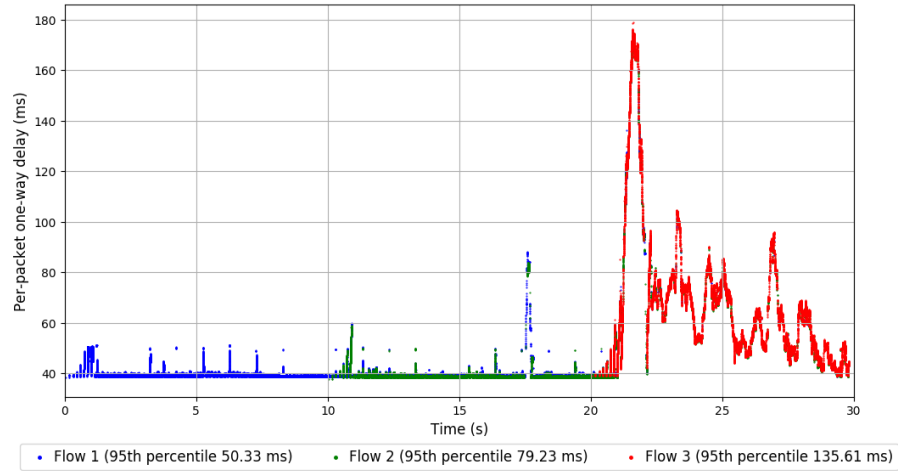
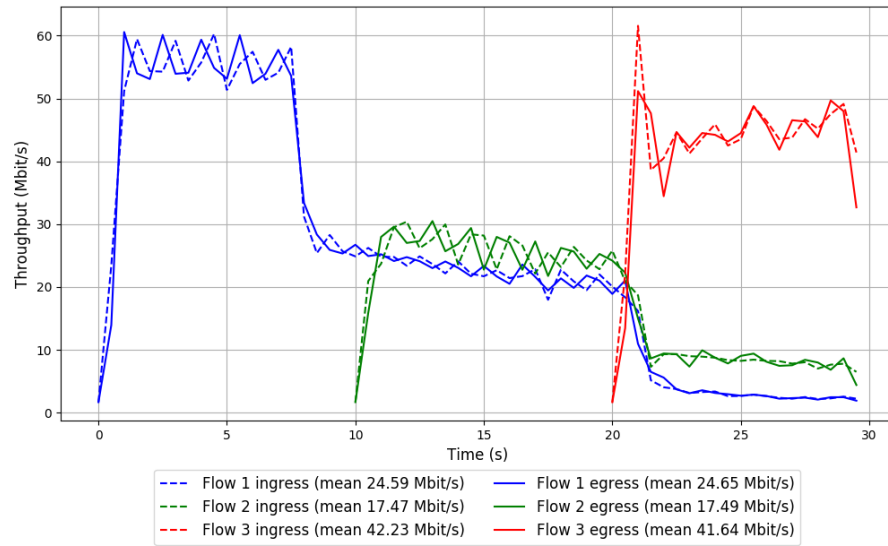


Run 9: Statistics of TCP Vegas

Start at: 2018-01-26 13:36:18
End at: 2018-01-26 13:36:48
Local clock offset: 1.265 ms
Remote clock offset: -3.487 ms

Below is generated by plot.py at 2018-01-26 17:46:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 84.846 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 50.327 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 79.228 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 41.64 Mbit/s
95th percentile per-packet one-way delay: 135.607 ms
Loss rate: 2.78%

Run 9: Report of TCP Vegas — Data Link

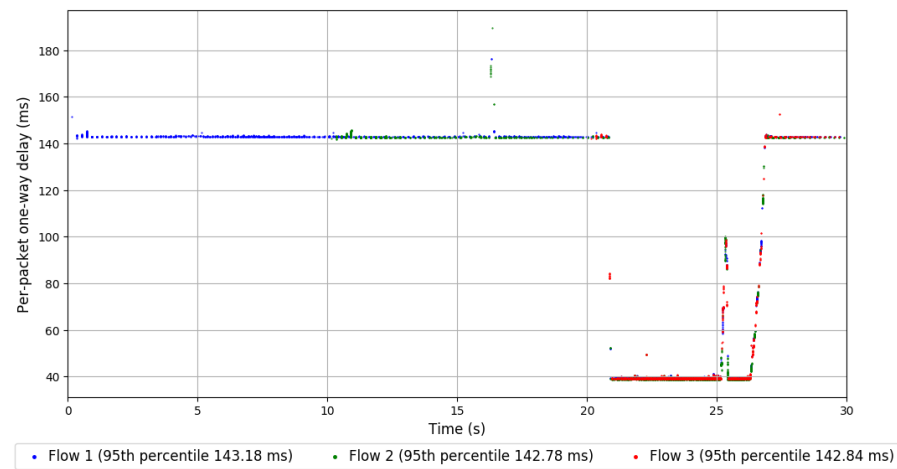
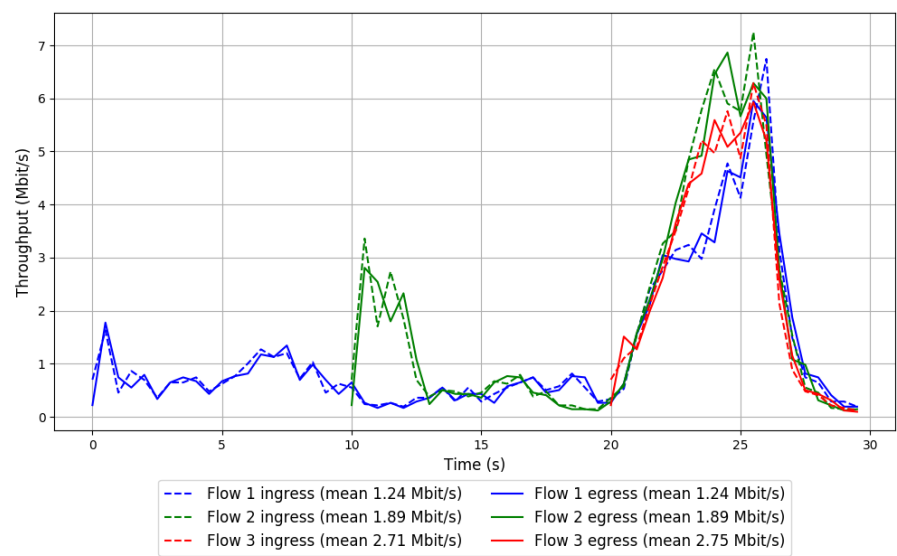


Run 10: Statistics of TCP Vegas

Start at: 2018-01-26 14:02:02
End at: 2018-01-26 14:02:32
Local clock offset: 2.535 ms
Remote clock offset: -4.195 ms

Below is generated by plot.py at 2018-01-26 17:46:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 143.079 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 143.181 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 142.780 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 142.837 ms
Loss rate: 0.50%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

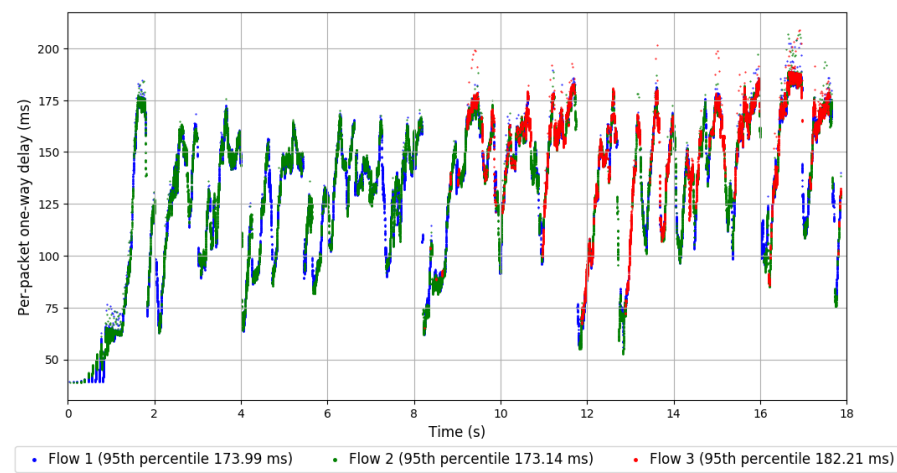
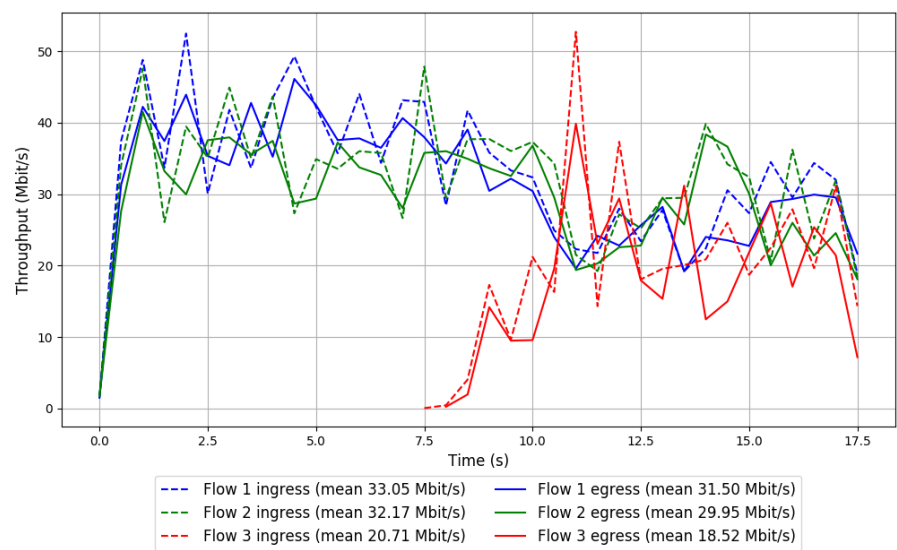
Start at: 2018-01-26 10:43:42

End at: 2018-01-26 10:44:12

Local clock offset: -0.005 ms

Remote clock offset: -7.265 ms

Run 1: Report of Verus — Data Link

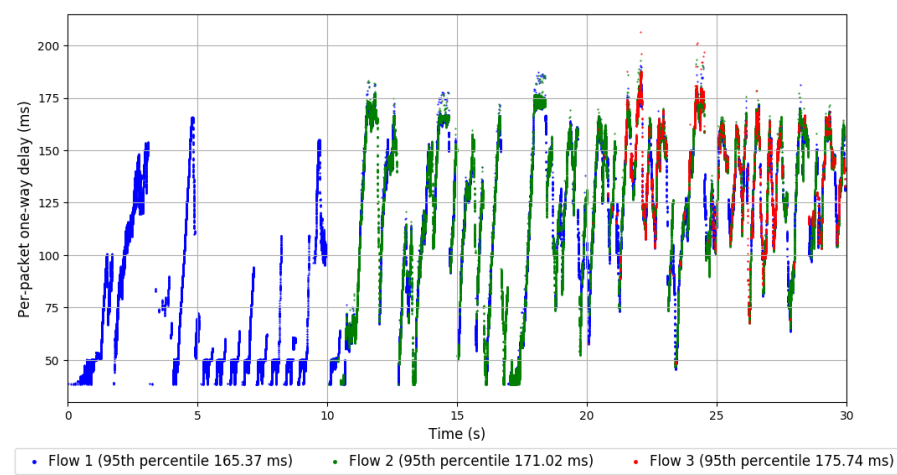
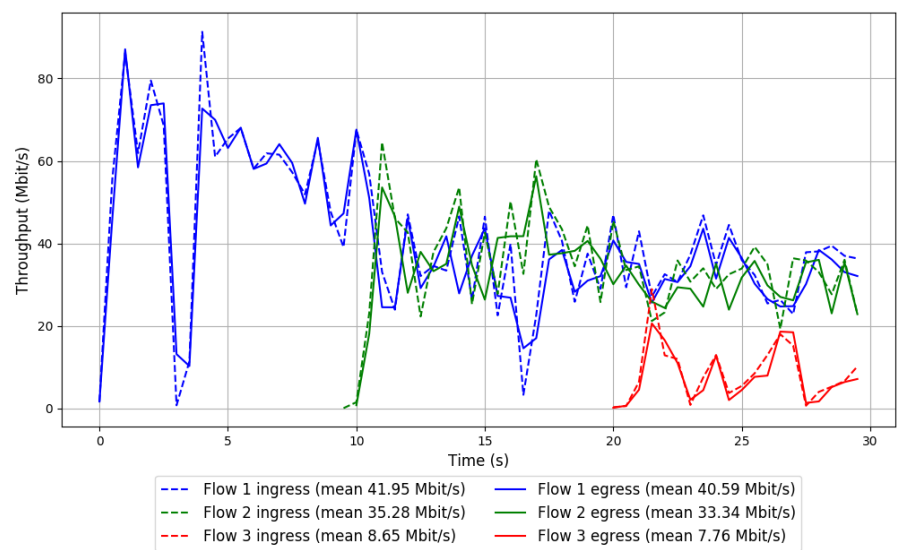


Run 2: Statistics of Verus

Start at: 2018-01-26 11:03:26
End at: 2018-01-26 11:03:56
Local clock offset: -0.501 ms
Remote clock offset: -6.753 ms

Below is generated by plot.py at 2018-01-26 17:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.30 Mbit/s
95th percentile per-packet one-way delay: 167.828 ms
Loss rate: 4.72%
-- Flow 1:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 165.366 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 171.018 ms
Loss rate: 6.08%
-- Flow 3:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 175.741 ms
Loss rate: 11.19%

Run 2: Report of Verus — Data Link

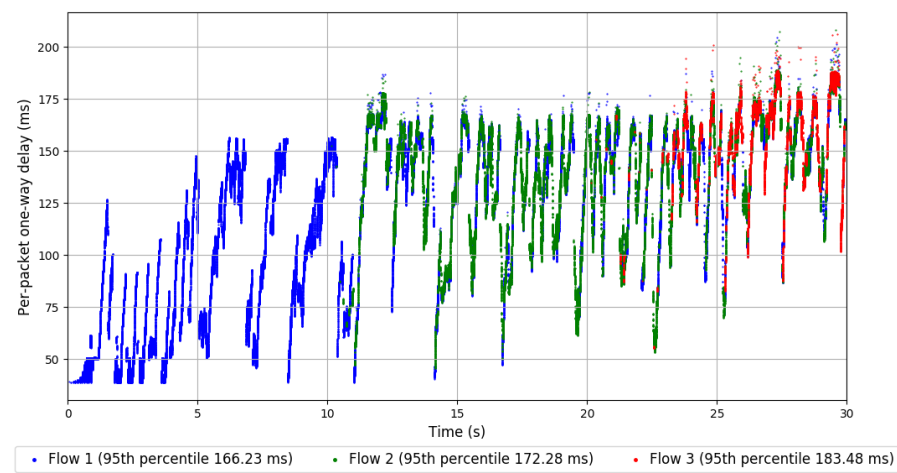
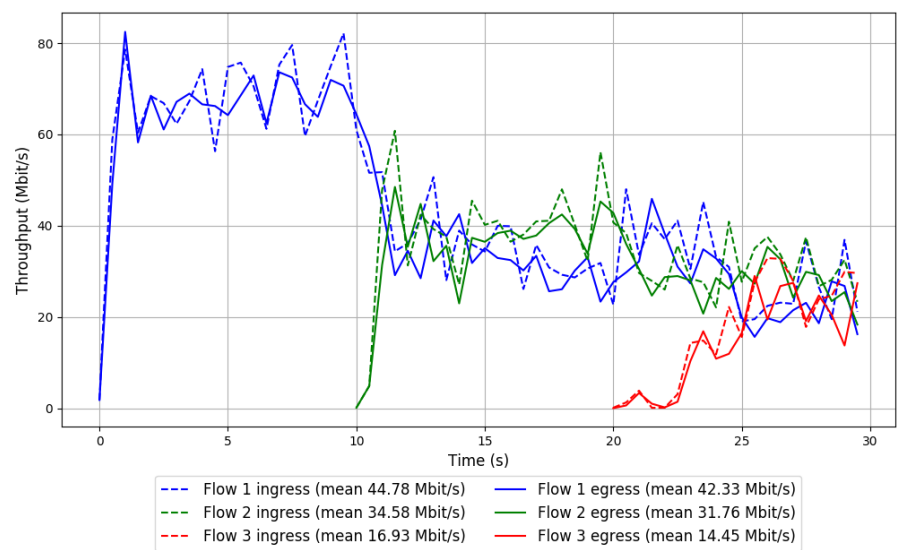


Run 3: Statistics of Verus

Start at: 2018-01-26 11:23:17
End at: 2018-01-26 11:23:47
Local clock offset: -0.28 ms
Remote clock offset: -6.201 ms

Below is generated by plot.py at 2018-01-26 17:46:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 170.970 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 42.33 Mbit/s
95th percentile per-packet one-way delay: 166.229 ms
Loss rate: 5.78%
-- Flow 2:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 172.279 ms
Loss rate: 9.00%
-- Flow 3:
Average throughput: 14.45 Mbit/s
95th percentile per-packet one-way delay: 183.479 ms
Loss rate: 15.85%

Run 3: Report of Verus — Data Link

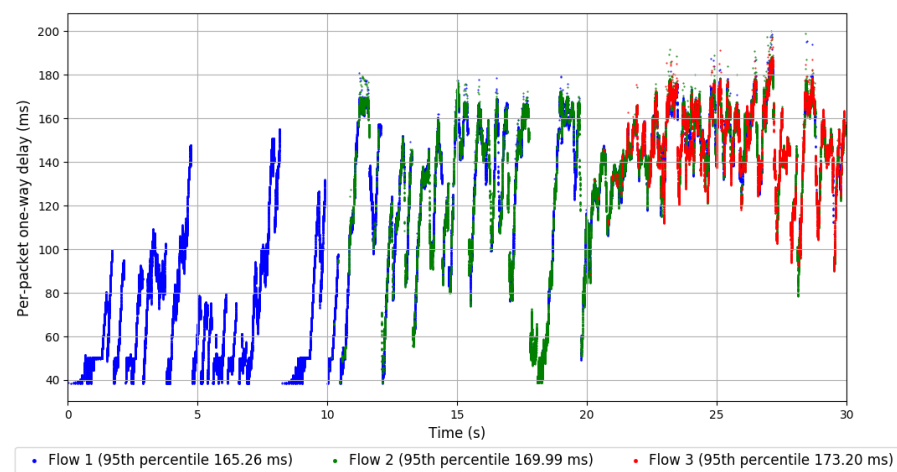
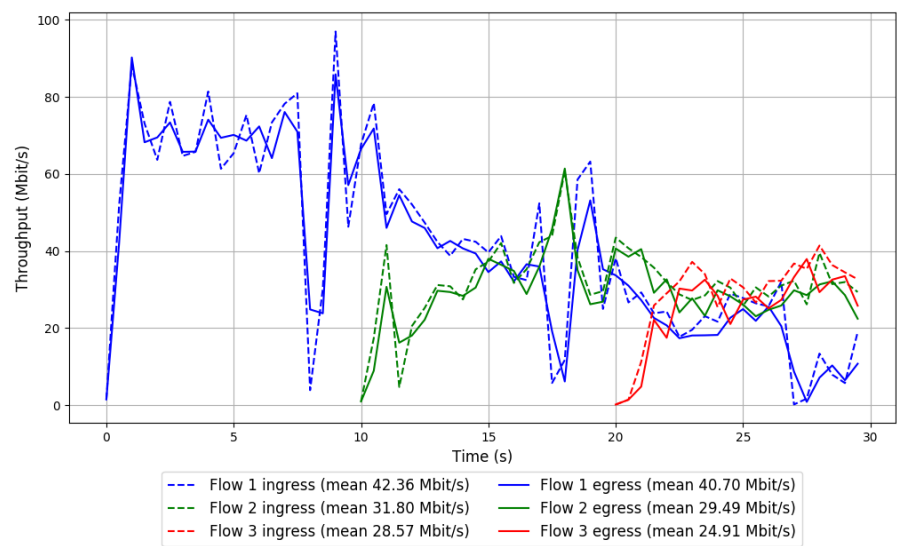


Run 4: Statistics of Verus

Start at: 2018-01-26 11:43:23
End at: 2018-01-26 11:43:53
Local clock offset: -0.679 ms
Remote clock offset: -5.109 ms

Below is generated by plot.py at 2018-01-26 17:46:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.40 Mbit/s
95th percentile per-packet one-way delay: 168.194 ms
Loss rate: 6.58%
-- Flow 1:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 165.257 ms
Loss rate: 4.36%
-- Flow 2:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 169.985 ms
Loss rate: 7.68%
-- Flow 3:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 173.203 ms
Loss rate: 14.03%

Run 4: Report of Verus — Data Link

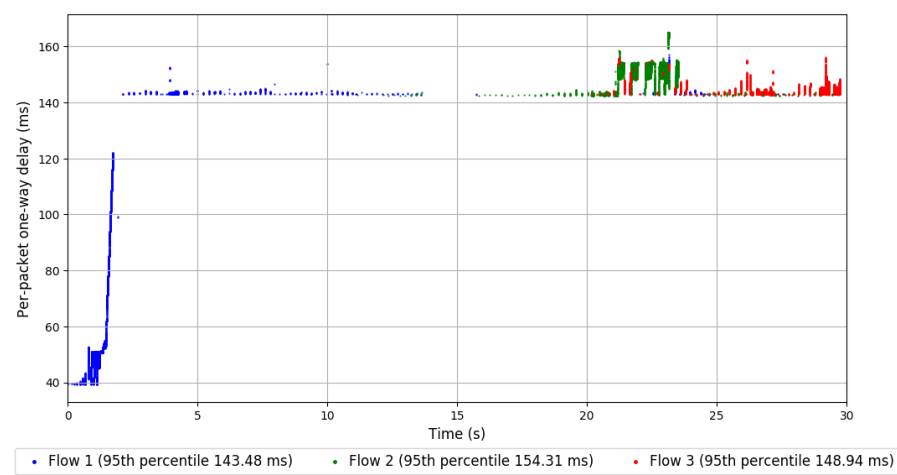
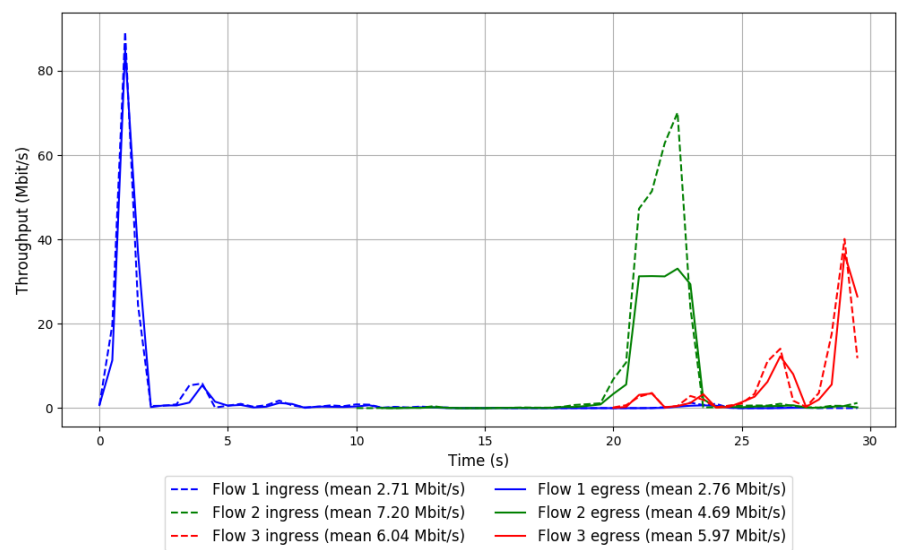


Run 5: Statistics of Verus

Start at: 2018-01-26 12:04:44
End at: 2018-01-26 12:05:14
Local clock offset: -0.462 ms
Remote clock offset: -4.083 ms

Below is generated by plot.py at 2018-01-26 17:46:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 154.031 ms
Loss rate: 21.79%
-- Flow 1:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 143.478 ms
Loss rate: 5.18%
-- Flow 2:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 154.311 ms
Loss rate: 38.87%
-- Flow 3:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 148.943 ms
Loss rate: 3.39%

Run 5: Report of Verus — Data Link

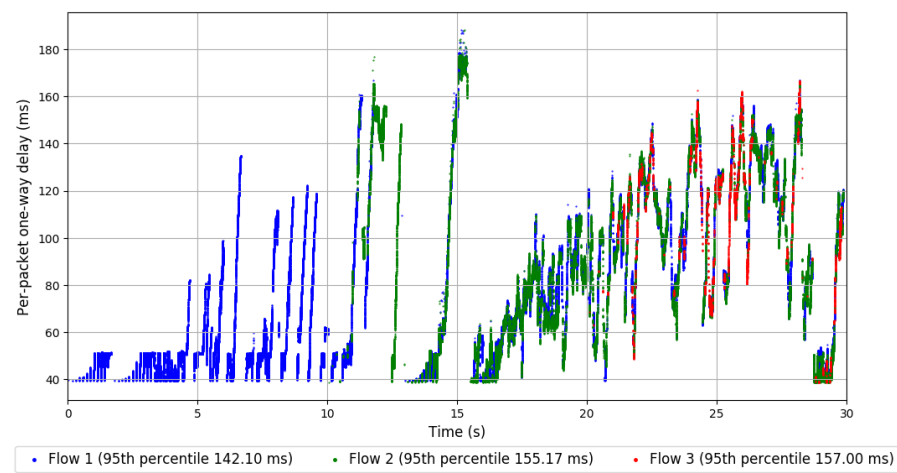
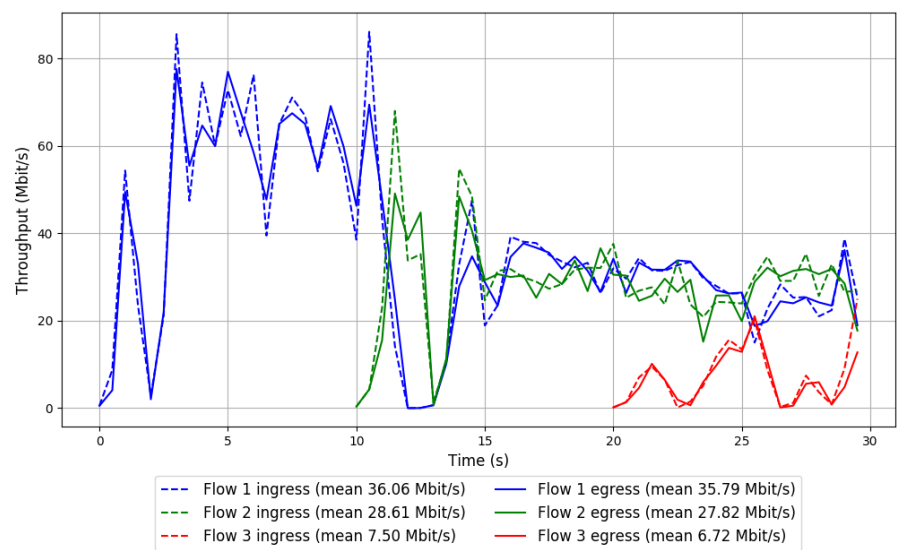


Run 6: Statistics of Verus

Start at: 2018-01-26 12:31:37
End at: 2018-01-26 12:32:07
Local clock offset: -0.137 ms
Remote clock offset: -3.29 ms

Below is generated by plot.py at 2018-01-26 17:46:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: 149.892 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 142.100 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 27.82 Mbit/s
95th percentile per-packet one-way delay: 155.166 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 157.003 ms
Loss rate: 12.52%

Run 6: Report of Verus — Data Link

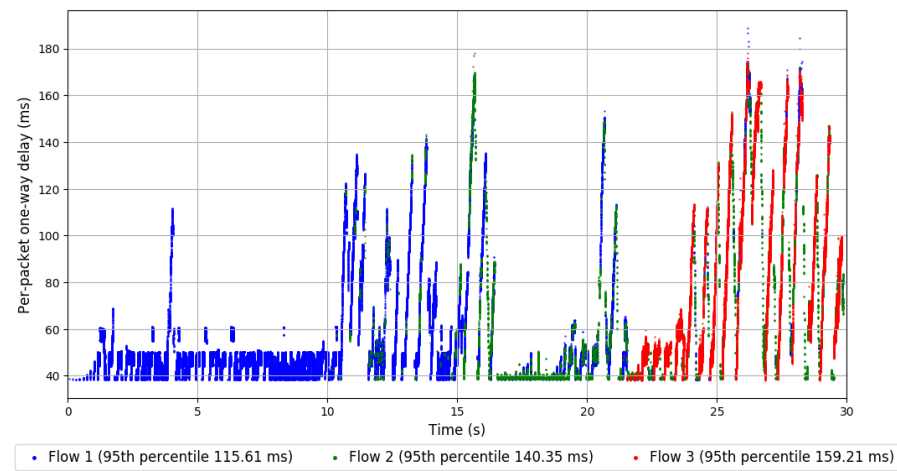
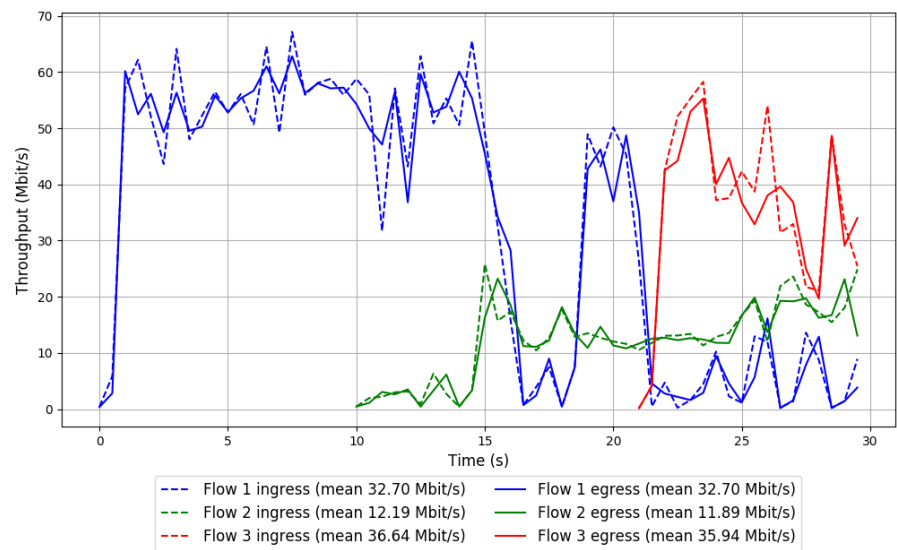


Run 7: Statistics of Verus

Start at: 2018-01-26 12:52:06
End at: 2018-01-26 12:52:36
Local clock offset: -0.612 ms
Remote clock offset: -2.782 ms

Below is generated by plot.py at 2018-01-26 17:46:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.06 Mbit/s
95th percentile per-packet one-way delay: 137.757 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 115.610 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 140.352 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 159.212 ms
Loss rate: 1.90%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-26 13:12:43

End at: 2018-01-26 13:13:13

Local clock offset: 0.477 ms

Remote clock offset: -2.93 ms

Below is generated by plot.py at 2018-01-26 17:47:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 159.830 ms

Loss rate: 3.47%

-- Flow 1:

Average throughput: 39.66 Mbit/s

95th percentile per-packet one-way delay: 156.729 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 23.82 Mbit/s

95th percentile per-packet one-way delay: 163.709 ms

Loss rate: 6.55%

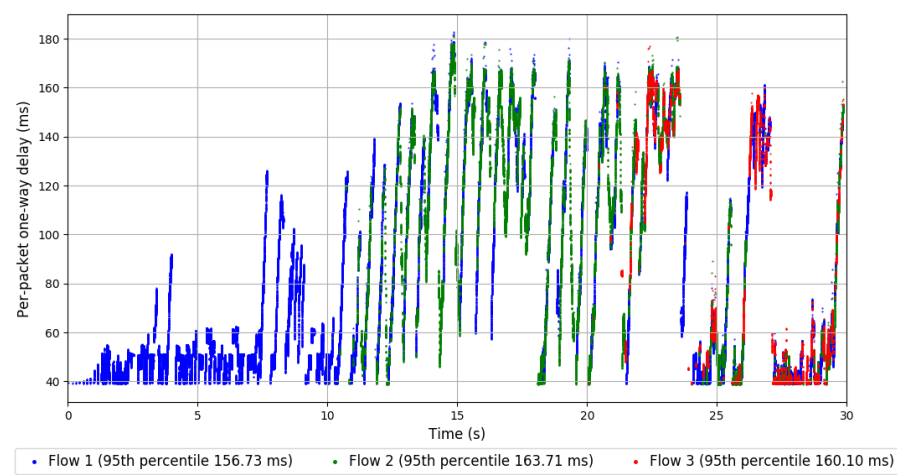
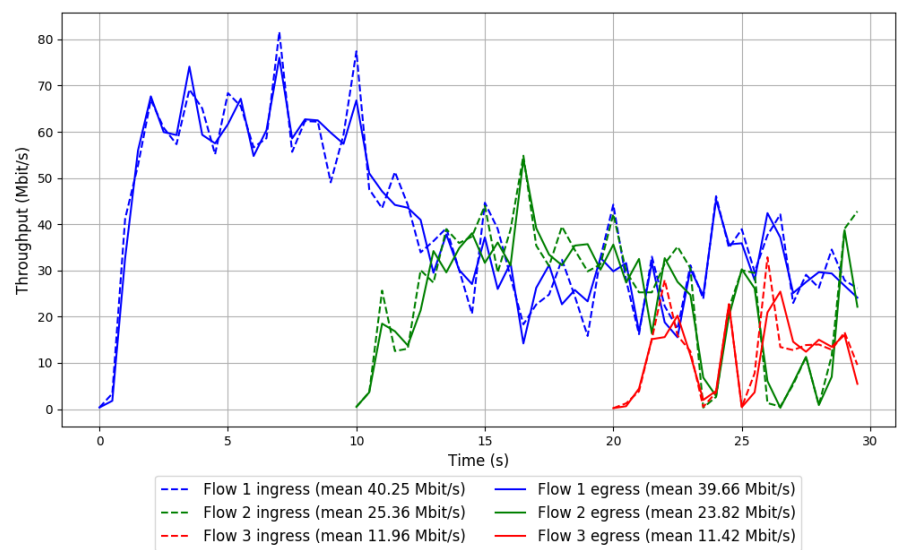
-- Flow 3:

Average throughput: 11.42 Mbit/s

95th percentile per-packet one-way delay: 160.102 ms

Loss rate: 5.81%

Run 8: Report of Verus — Data Link

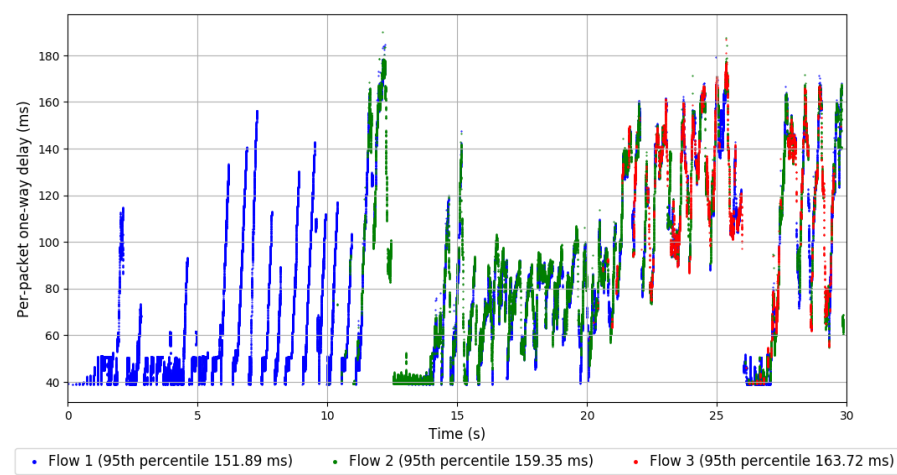
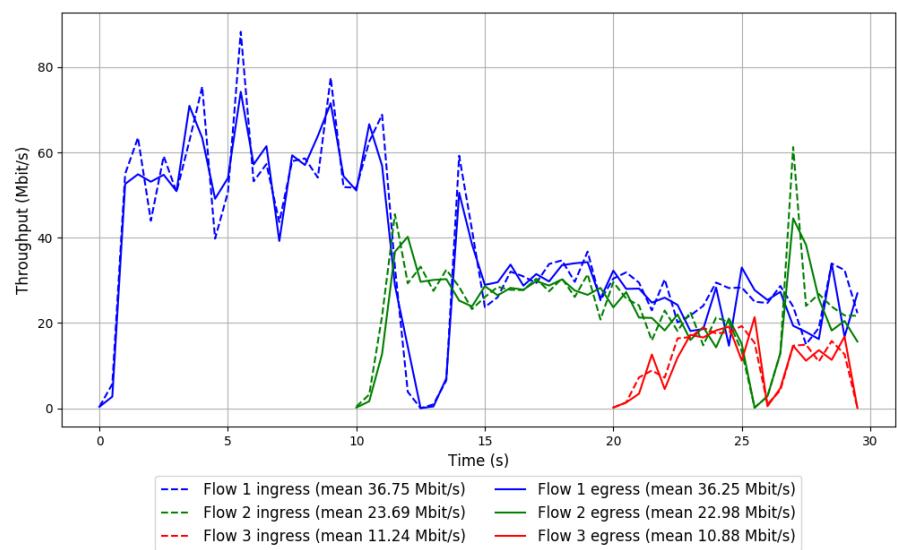


Run 9: Statistics of Verus

Start at: 2018-01-26 13:33:46
End at: 2018-01-26 13:34:16
Local clock offset: 1.318 ms
Remote clock offset: -3.378 ms

Below is generated by plot.py at 2018-01-26 17:47:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 156.127 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 151.890 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 159.346 ms
Loss rate: 3.65%
-- Flow 3:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 163.721 ms
Loss rate: 4.76%

Run 9: Report of Verus — Data Link

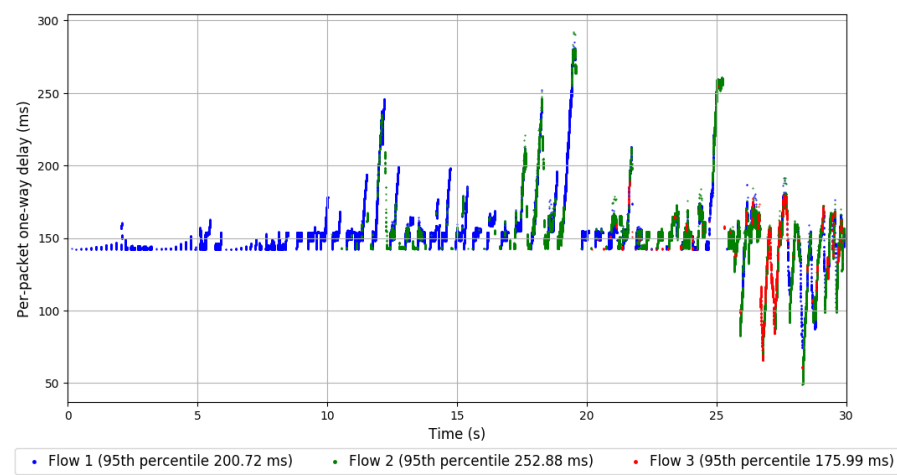
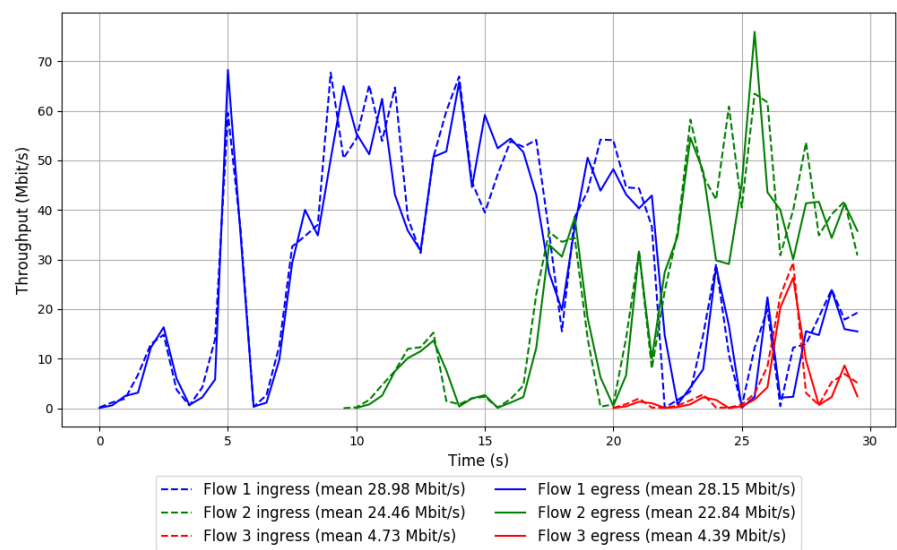


Run 10: Statistics of Verus

Start at: 2018-01-26 13:58:27
End at: 2018-01-26 13:58:57
Local clock offset: 1.9 ms
Remote clock offset: -4.071 ms

Below is generated by plot.py at 2018-01-26 17:47:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 213.972 ms
Loss rate: 4.75%
-- Flow 1:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 200.719 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 22.84 Mbit/s
95th percentile per-packet one-way delay: 252.879 ms
Loss rate: 6.61%
-- Flow 3:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 175.990 ms
Loss rate: 9.80%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-26 10:53:28

End at: 2018-01-26 10:53:58

Local clock offset: -0.574 ms

Remote clock offset: -7.09 ms

Below is generated by plot.py at 2018-01-26 17:48:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.48 Mbit/s

95th percentile per-packet one-way delay: 55.895 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 43.97 Mbit/s

95th percentile per-packet one-way delay: 51.843 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 26.64 Mbit/s

95th percentile per-packet one-way delay: 66.235 ms

Loss rate: 0.43%

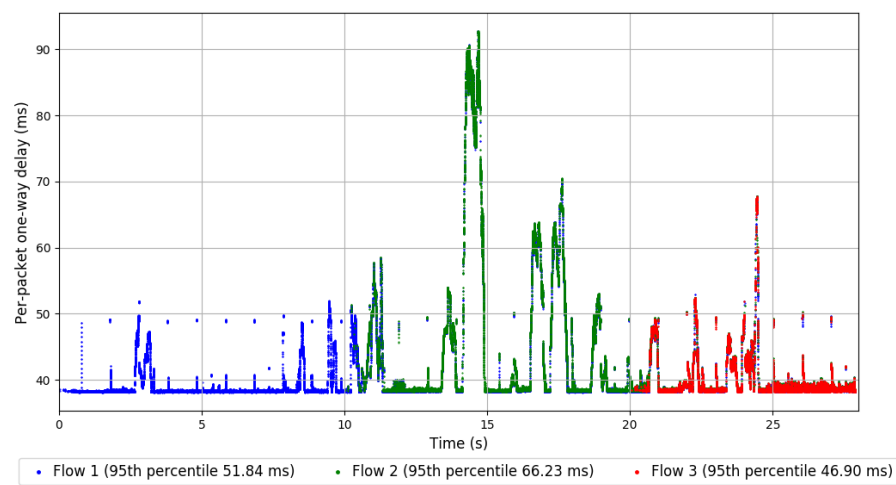
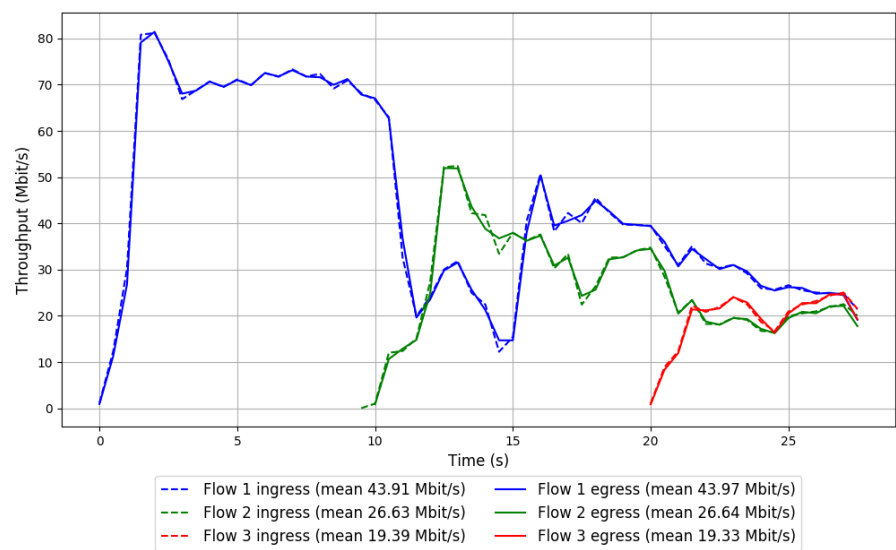
-- Flow 3:

Average throughput: 19.33 Mbit/s

95th percentile per-packet one-way delay: 46.899 ms

Loss rate: 1.39%

Run 1: Report of Copa — Data Link

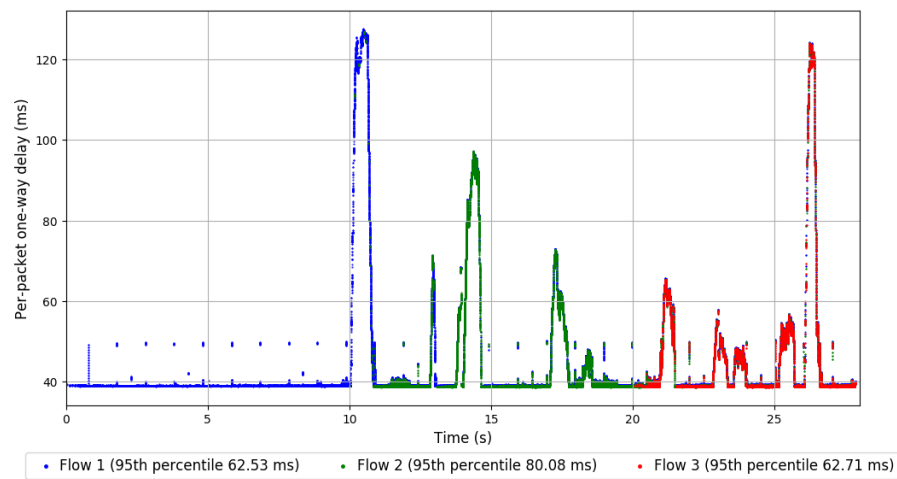
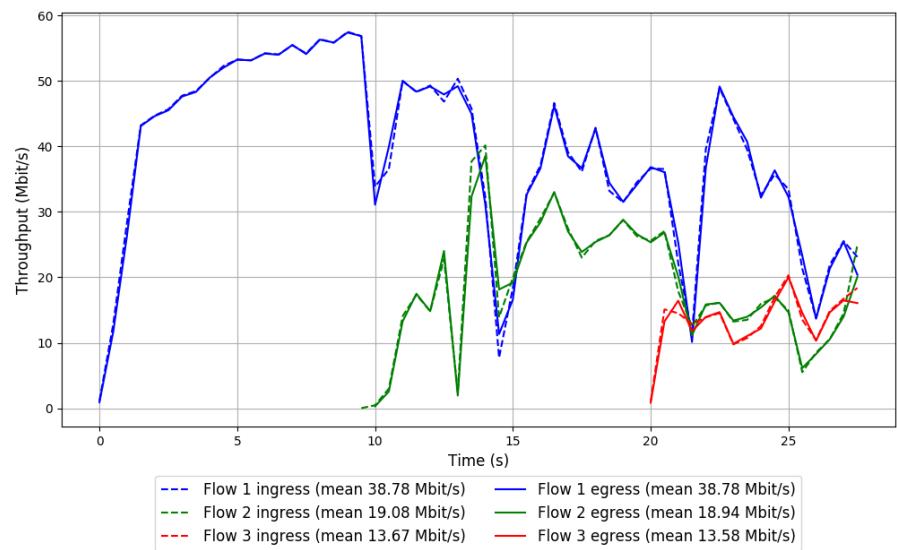


Run 2: Statistics of Copa

Start at: 2018-01-26 11:13:23
End at: 2018-01-26 11:13:53
Local clock offset: -0.335 ms
Remote clock offset: -6.449 ms

Below is generated by plot.py at 2018-01-26 17:48:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.75 Mbit/s
95th percentile per-packet one-way delay: 66.992 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 62.527 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 80.085 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 62.708 ms
Loss rate: 1.77%

Run 2: Report of Copa — Data Link

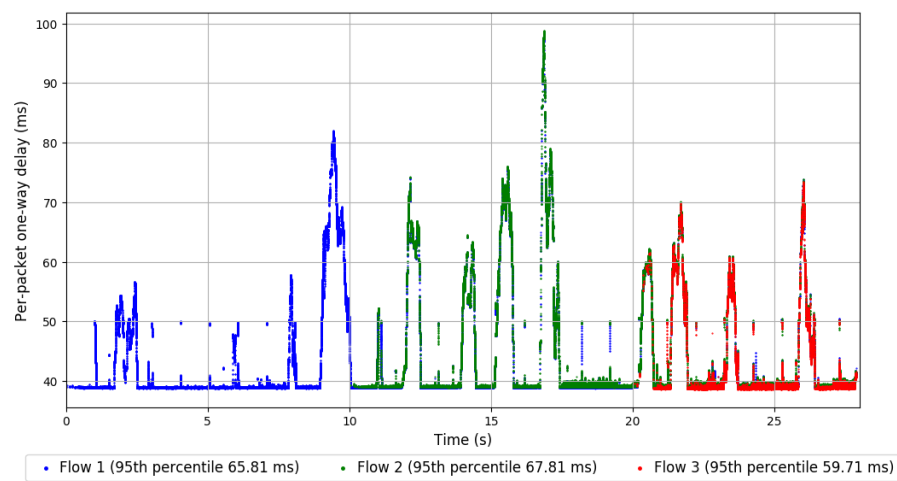
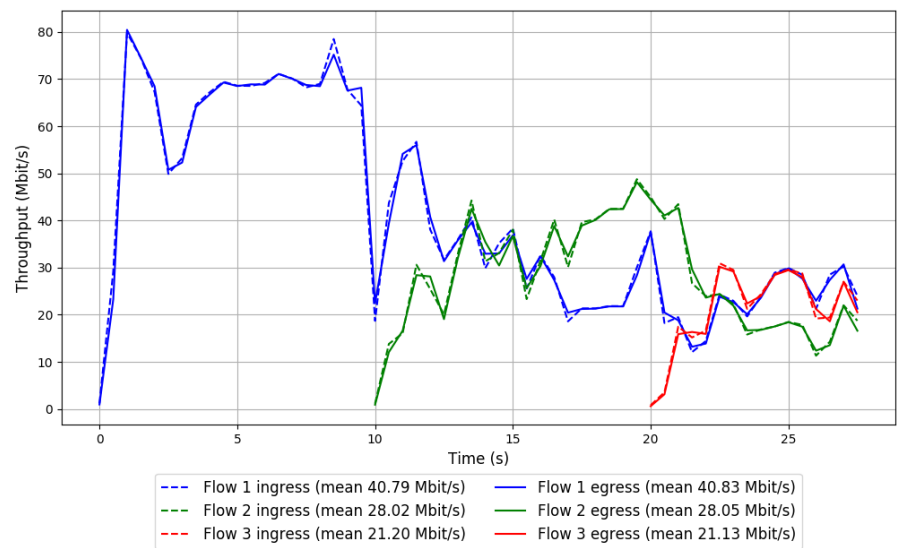


Run 3: Statistics of Copa

Start at: 2018-01-26 11:33:25
End at: 2018-01-26 11:33:55
Local clock offset: -0.272 ms
Remote clock offset: -5.777 ms

Below is generated by plot.py at 2018-01-26 17:48:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.74 Mbit/s
95th percentile per-packet one-way delay: 66.044 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 65.808 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 67.806 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 21.13 Mbit/s
95th percentile per-packet one-way delay: 59.714 ms
Loss rate: 1.36%

Run 3: Report of Copa — Data Link

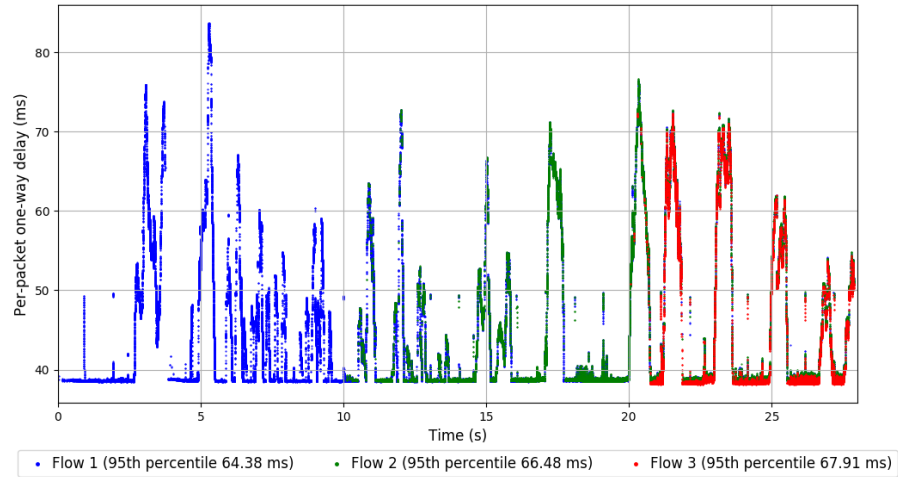
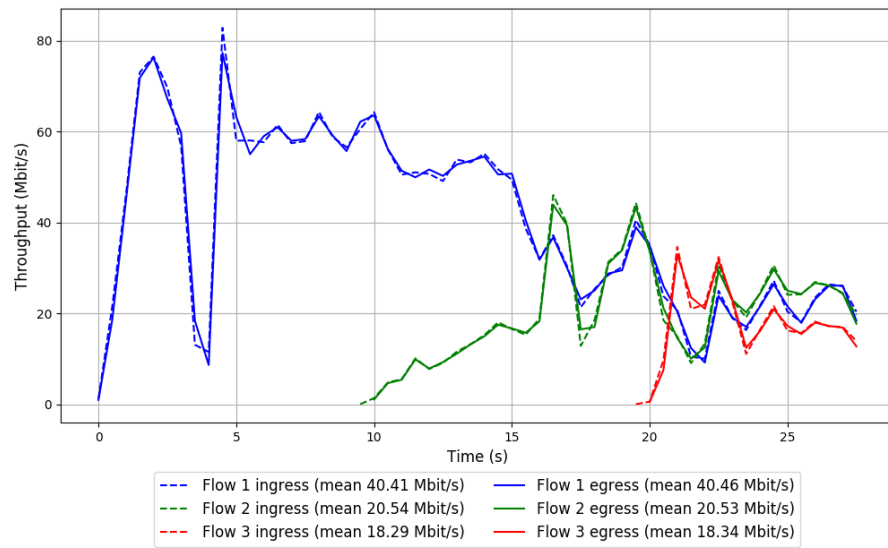


Run 4: Statistics of Copa

Start at: 2018-01-26 11:53:24
End at: 2018-01-26 11:53:54
Local clock offset: -0.849 ms
Remote clock offset: -4.592 ms

Below is generated by plot.py at 2018-01-26 17:48:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 65.486 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 64.375 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 66.478 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 67.908 ms
Loss rate: 0.93%

Run 4: Report of Copa — Data Link

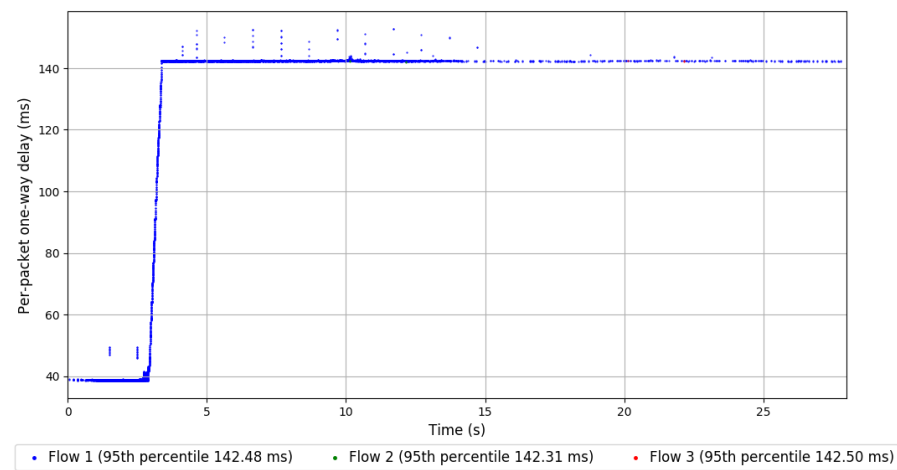
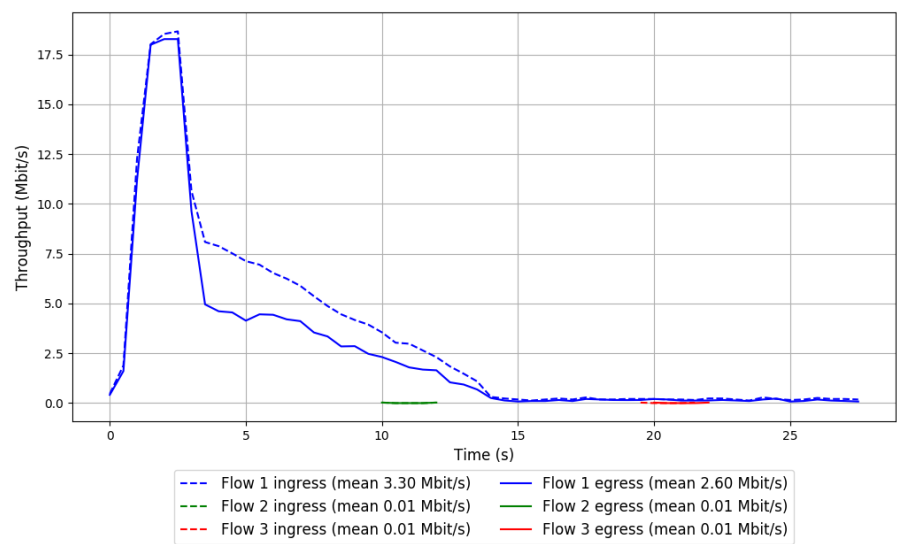


Run 5: Statistics of Copa

Start at: 2018-01-26 12:20:10
End at: 2018-01-26 12:20:40
Local clock offset: -1.069 ms
Remote clock offset: -3.608 ms

Below is generated by plot.py at 2018-01-26 17:48:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 142.482 ms
Loss rate: 21.72%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 142.482 ms
Loss rate: 21.73%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 142.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 142.504 ms
Loss rate: 3.83%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-26 12:41:46

End at: 2018-01-26 12:42:16

Local clock offset: -0.148 ms

Remote clock offset: -2.96 ms

Below is generated by plot.py at 2018-01-26 17:48:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.19 Mbit/s

95th percentile per-packet one-way delay: 39.373 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 17.17 Mbit/s

95th percentile per-packet one-way delay: 39.379 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 17.20 Mbit/s

95th percentile per-packet one-way delay: 39.139 ms

Loss rate: 0.66%

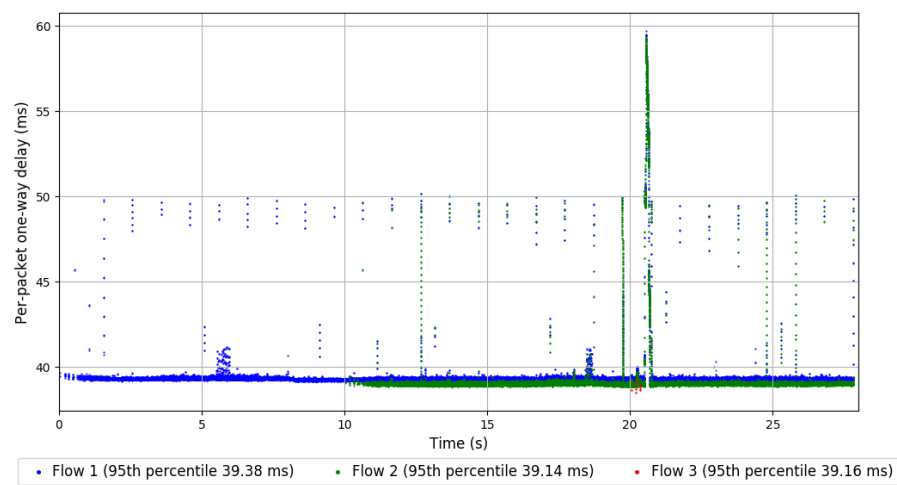
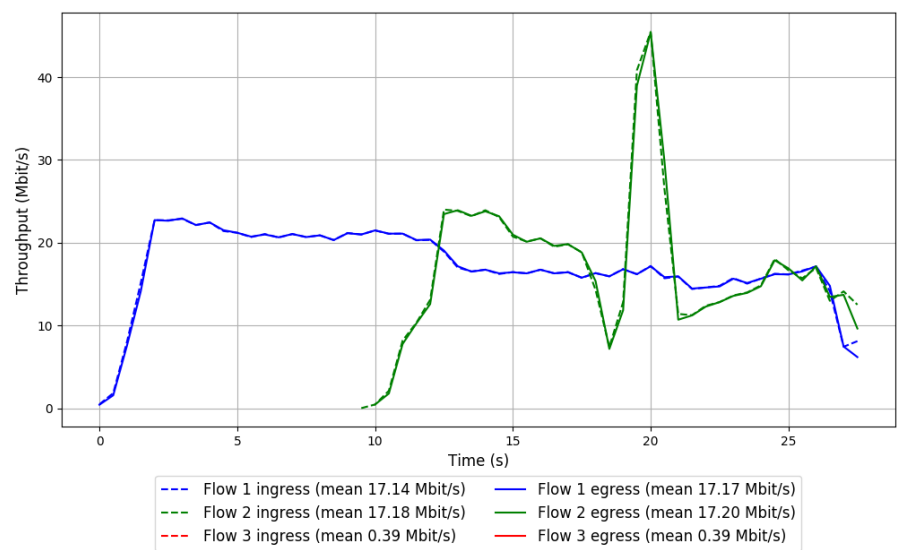
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 39.165 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

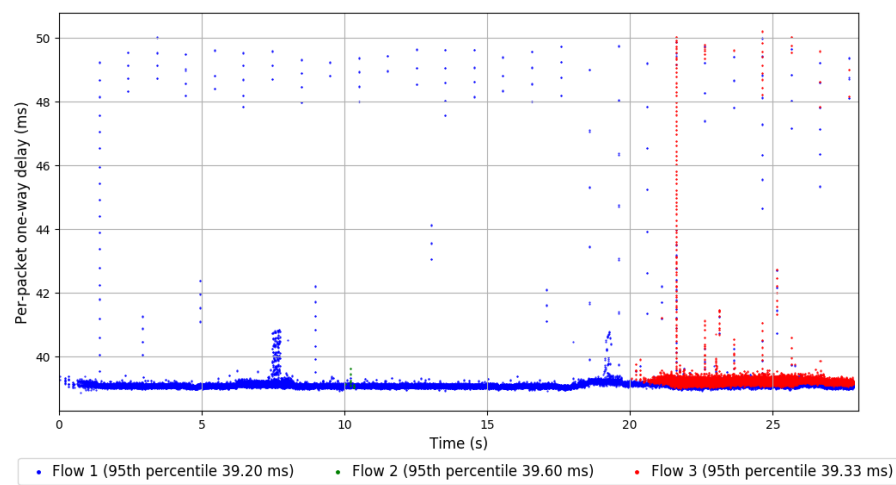
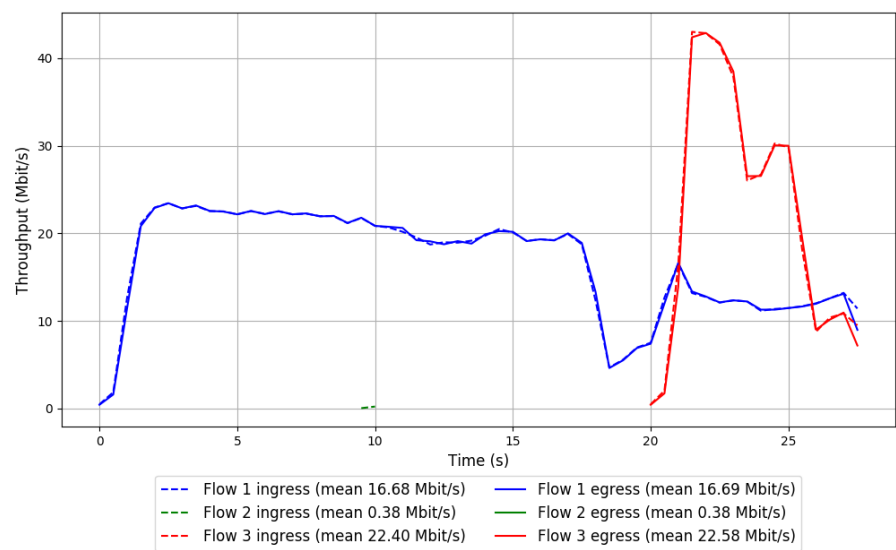


Run 7: Statistics of Copa

Start at: 2018-01-26 13:02:27
End at: 2018-01-26 13:02:57
Local clock offset: 0.497 ms
Remote clock offset: -2.575 ms

Below is generated by plot.py at 2018-01-26 17:48:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 39.262 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 39.201 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 39.600 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.58 Mbit/s
95th percentile per-packet one-way delay: 39.327 ms
Loss rate: 0.90%

Run 7: Report of Copa — Data Link

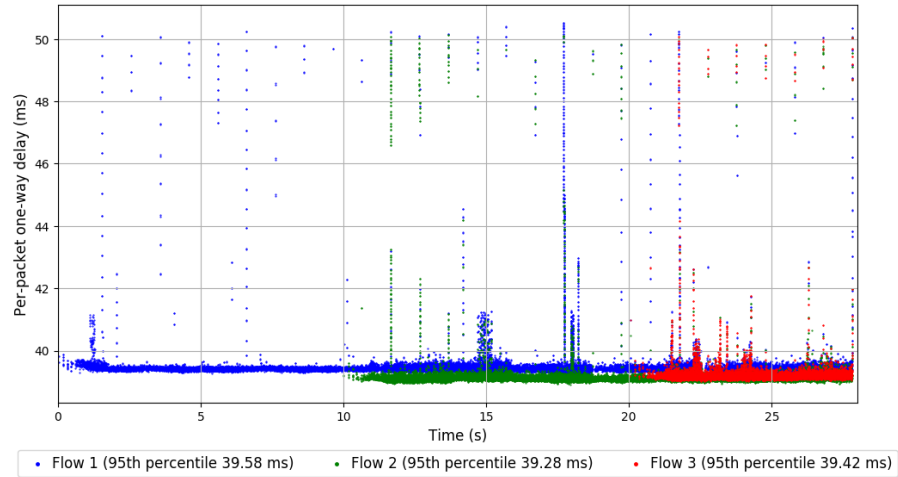
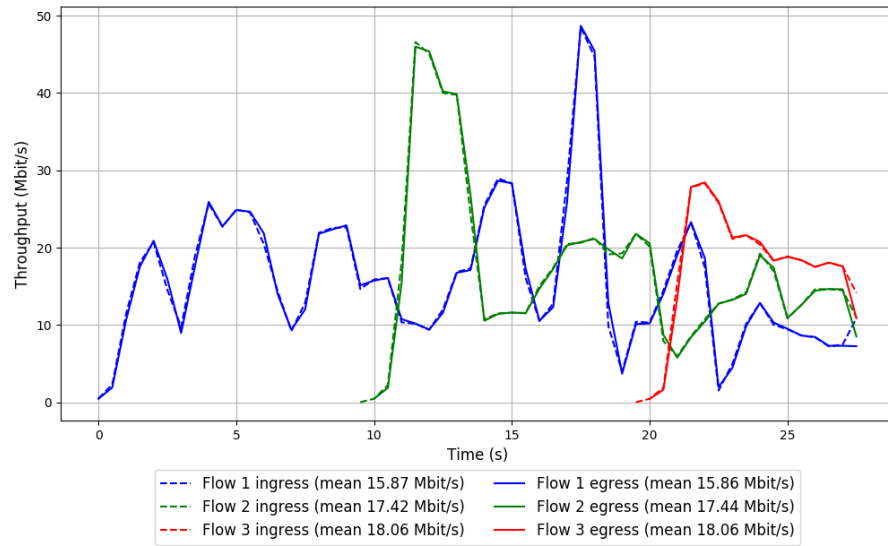


Run 8: Statistics of Copa

Start at: 2018-01-26 13:23:18
End at: 2018-01-26 13:23:48
Local clock offset: 1.093 ms
Remote clock offset: -3.189 ms

```
# Below is generated by plot.py at 2018-01-26 17:48:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 39.538 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 39.579 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 39.281 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 39.420 ms
Loss rate: 1.62%
```

Run 8: Report of Copa — Data Link

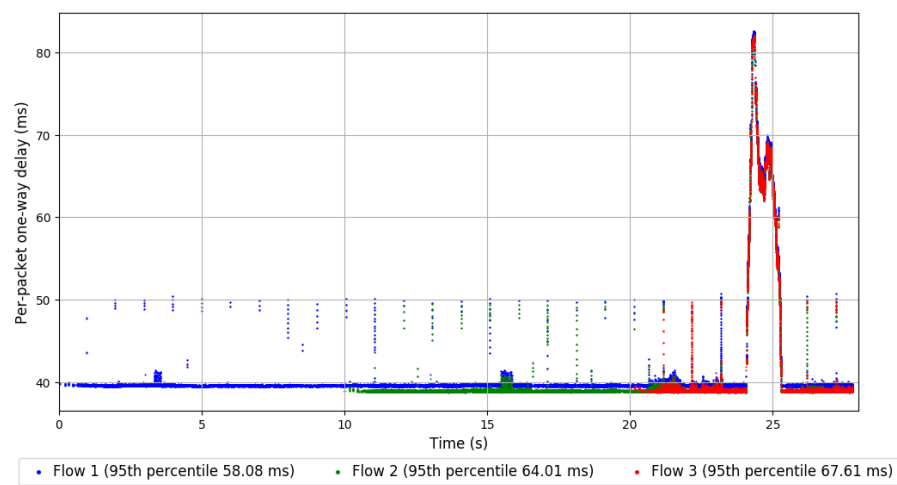
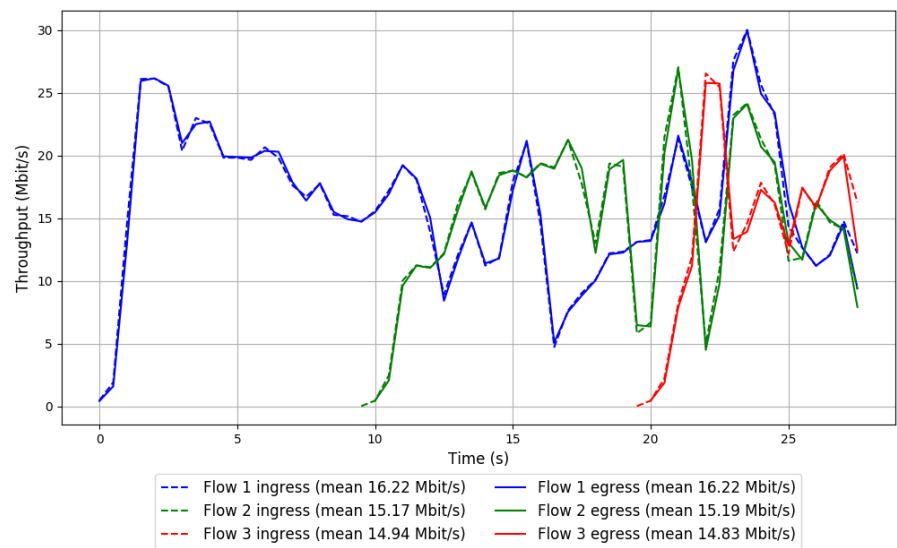


Run 9: Statistics of Copa

Start at: 2018-01-26 13:43:56
End at: 2018-01-26 13:44:26
Local clock offset: 1.848 ms
Remote clock offset: -3.689 ms

Below is generated by plot.py at 2018-01-26 17:48:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 64.082 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 16.22 Mbit/s
95th percentile per-packet one-way delay: 58.083 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 64.006 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 14.83 Mbit/s
95th percentile per-packet one-way delay: 67.610 ms
Loss rate: 2.32%

Run 9: Report of Copa — Data Link

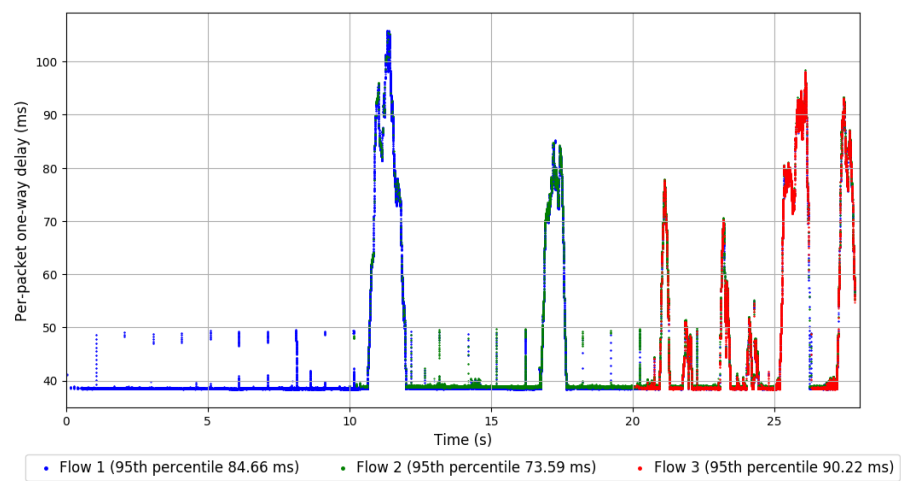
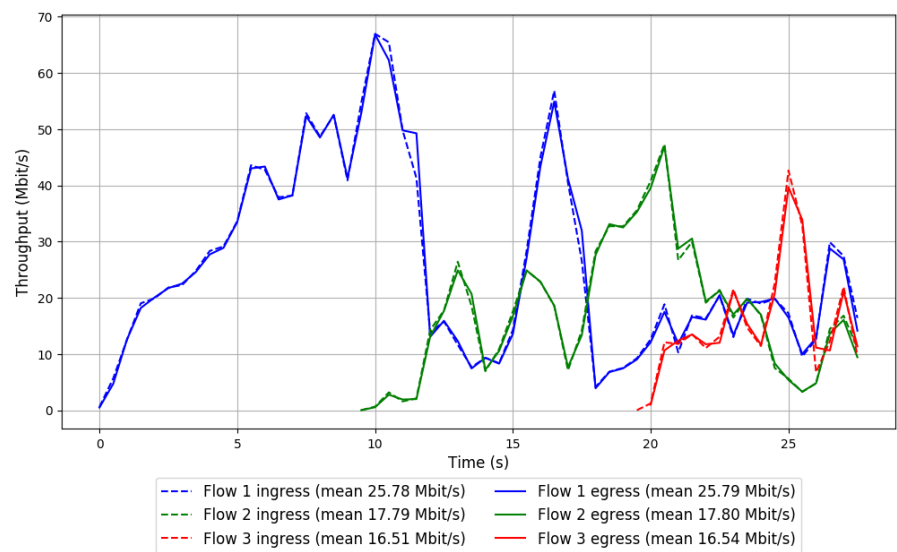


Run 10: Statistics of Copa

Start at: 2018-01-26 14:09:39
End at: 2018-01-26 14:10:09
Local clock offset: 2.483 ms
Remote clock offset: -4.366 ms

Below is generated by plot.py at 2018-01-26 17:48:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 84.134 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 25.79 Mbit/s
95th percentile per-packet one-way delay: 84.662 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 17.80 Mbit/s
95th percentile per-packet one-way delay: 73.593 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 16.54 Mbit/s
95th percentile per-packet one-way delay: 90.219 ms
Loss rate: 0.44%

Run 10: Report of Copa — Data Link

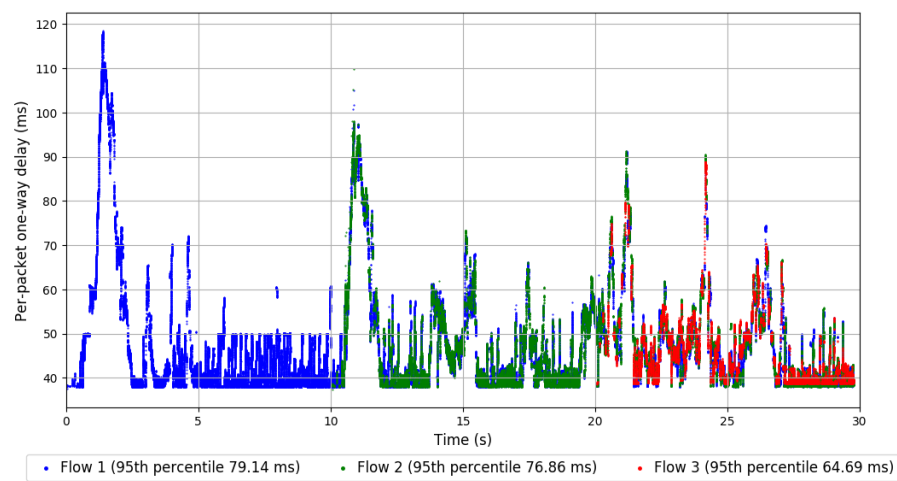
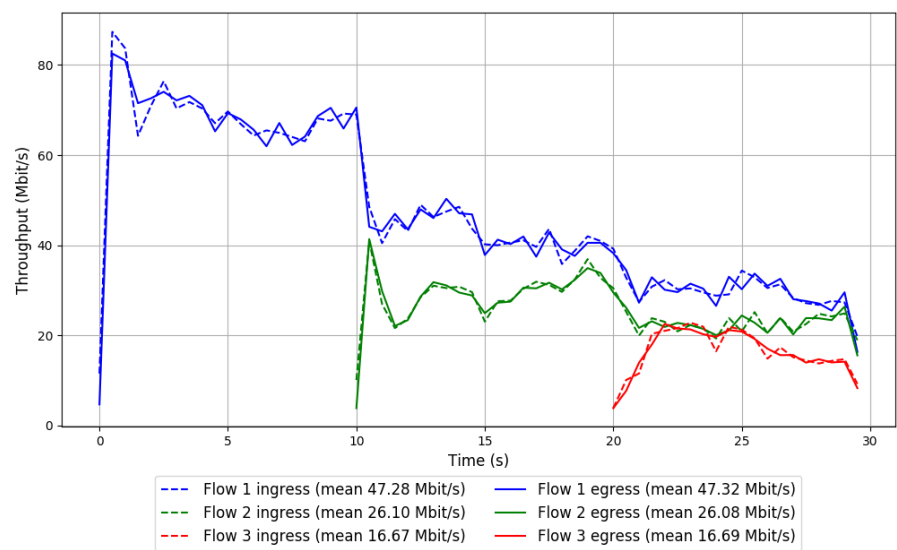


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-26 10:42:27
End at: 2018-01-26 10:42:57
Local clock offset: -0.458 ms
Remote clock offset: -7.235 ms

# Below is generated by plot.py at 2018-01-26 17:48:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.01 Mbit/s
95th percentile per-packet one-way delay: 77.215 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 47.32 Mbit/s
95th percentile per-packet one-way delay: 79.136 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 76.856 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 64.688 ms
Loss rate: 0.81%
```


Run 1: Report of Indigo-2-256 — Data Link

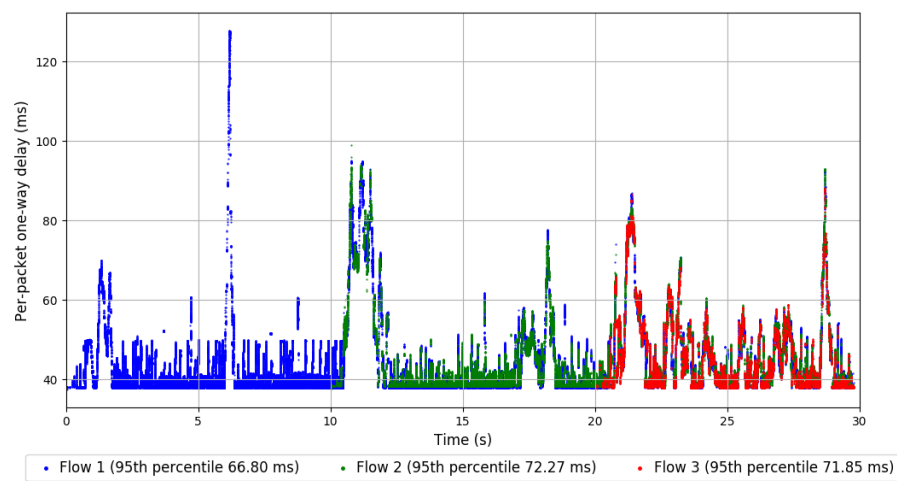
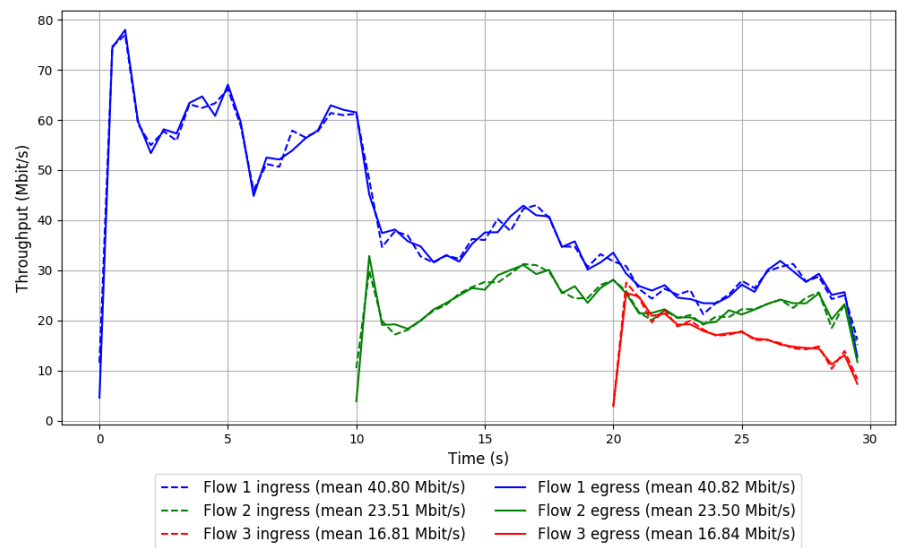


Run 2: Statistics of Indigo-2-256

Start at: 2018-01-26 11:02:11
End at: 2018-01-26 11:02:41
Local clock offset: -0.612 ms
Remote clock offset: -6.753 ms

Below is generated by plot.py at 2018-01-26 17:48:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.90 Mbit/s
95th percentile per-packet one-way delay: 68.627 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 66.800 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 72.267 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 16.84 Mbit/s
95th percentile per-packet one-way delay: 71.852 ms
Loss rate: 0.72%

Run 2: Report of Indigo-2-256 — Data Link

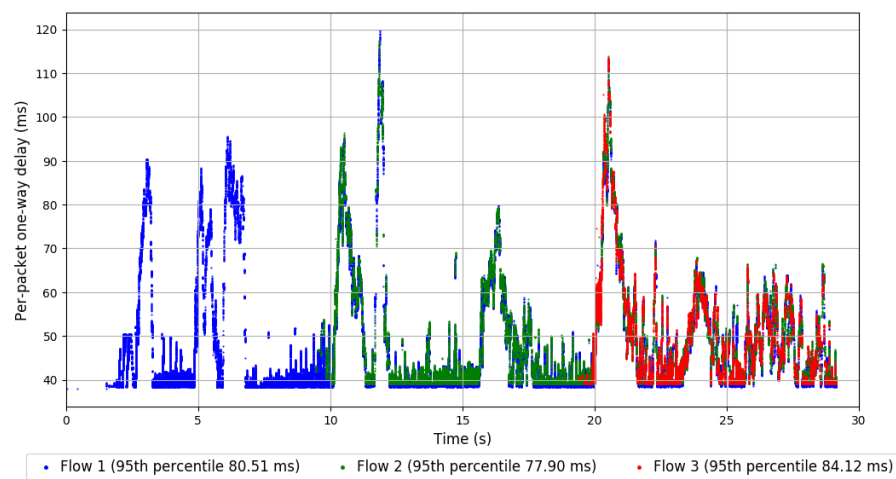
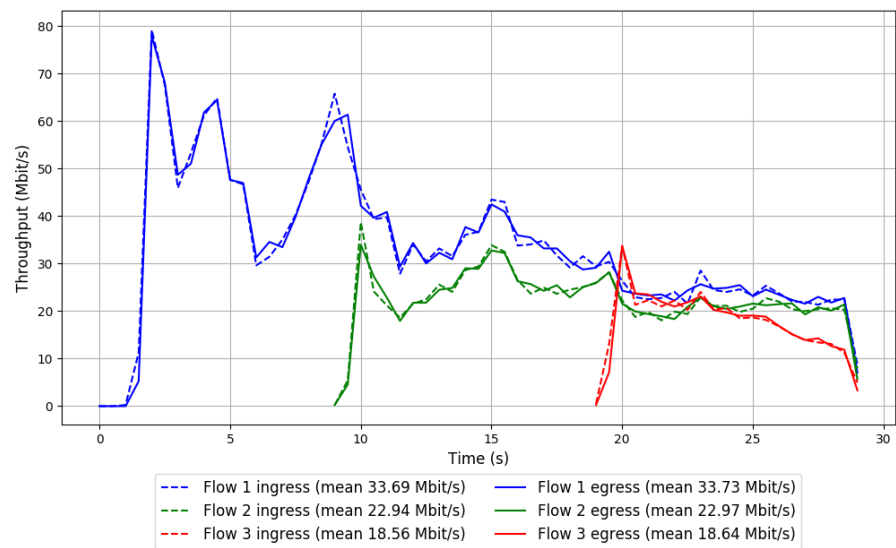


Run 3: Statistics of Indigo-2-256

Start at: 2018-01-26 11:22:03
End at: 2018-01-26 11:22:33
Local clock offset: -0.349 ms
Remote clock offset: -6.228 ms

Below is generated by plot.py at 2018-01-26 17:48:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 80.326 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 80.506 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 77.897 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 18.64 Mbit/s
95th percentile per-packet one-way delay: 84.120 ms
Loss rate: 0.59%

Run 3: Report of Indigo-2-256 — Data Link

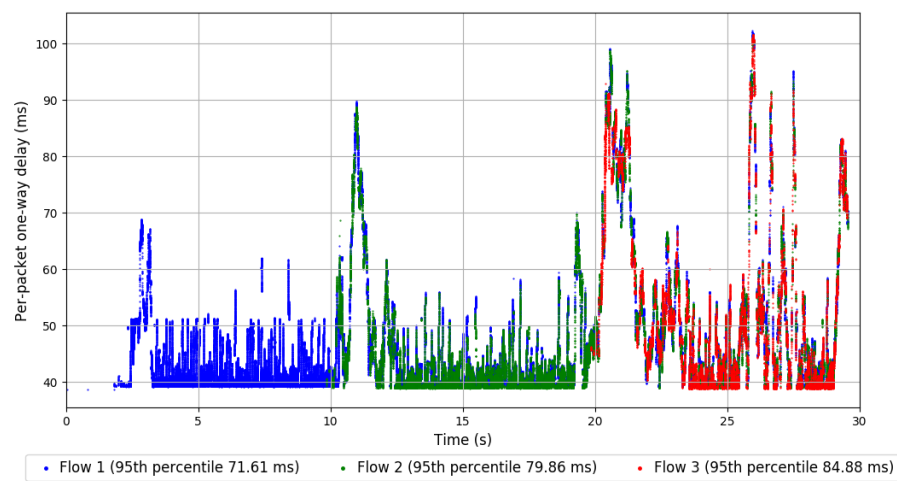
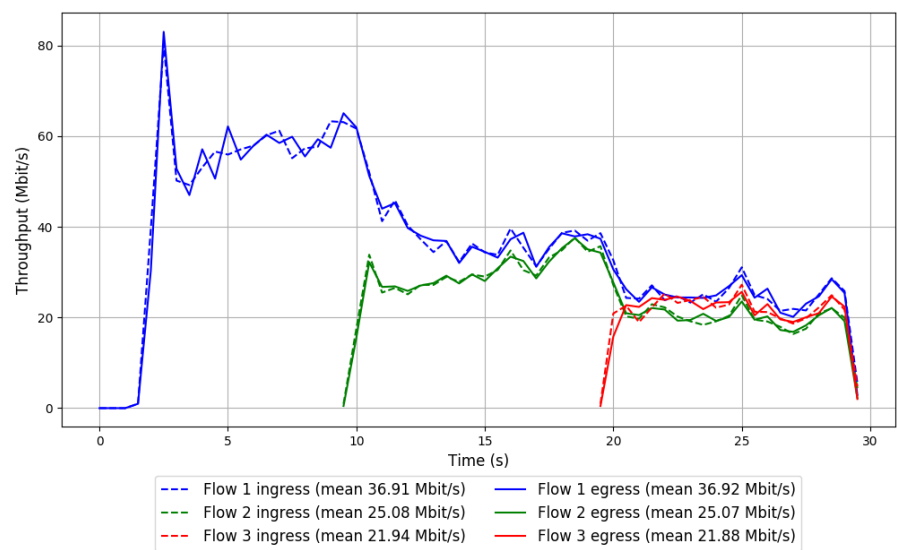


Run 4: Statistics of Indigo-2-256

Start at: 2018-01-26 11:42:08
End at: 2018-01-26 11:42:38
Local clock offset: -0.482 ms
Remote clock offset: -5.187 ms

Below is generated by plot.py at 2018-01-26 17:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 78.292 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 71.613 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 79.861 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 21.88 Mbit/s
95th percentile per-packet one-way delay: 84.880 ms
Loss rate: 1.20%

Run 4: Report of Indigo-2-256 — Data Link



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-26 12:02:43

End at: 2018-01-26 12:03:13

Local clock offset: -0.378 ms

Remote clock offset: -4.18 ms

Below is generated by plot.py at 2018-01-26 17:48:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.31 Mbit/s

95th percentile per-packet one-way delay: 152.413 ms

Loss rate: 9.26%

-- Flow 1:

Average throughput: 17.64 Mbit/s

95th percentile per-packet one-way delay: 153.590 ms

Loss rate: 1.64%

-- Flow 2:

Average throughput: 6.12 Mbit/s

95th percentile per-packet one-way delay: 143.307 ms

Loss rate: 1.66%

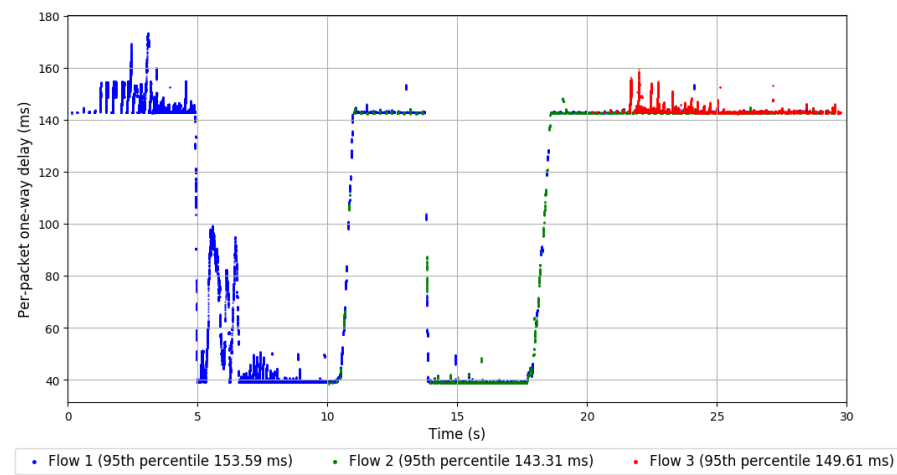
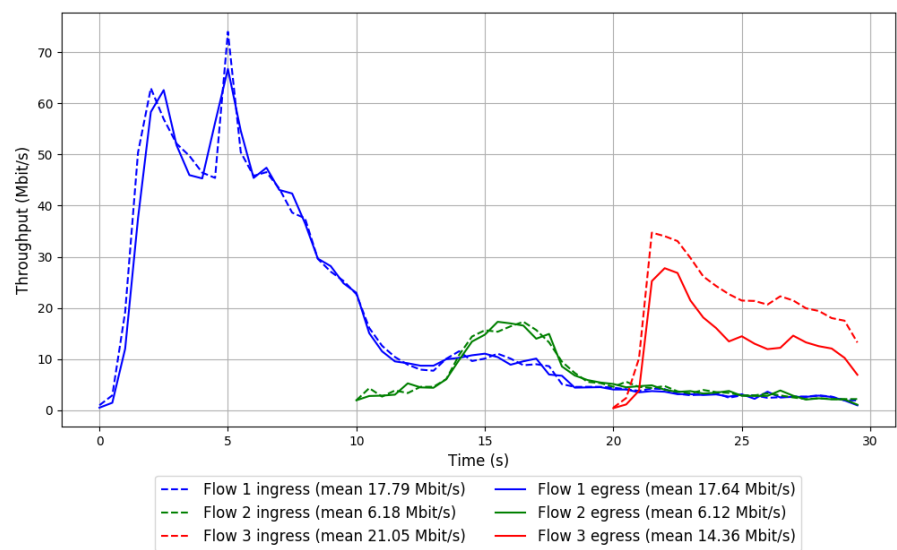
-- Flow 3:

Average throughput: 14.36 Mbit/s

95th percentile per-packet one-way delay: 149.607 ms

Loss rate: 33.34%

Run 5: Report of Indigo-2-256 — Data Link

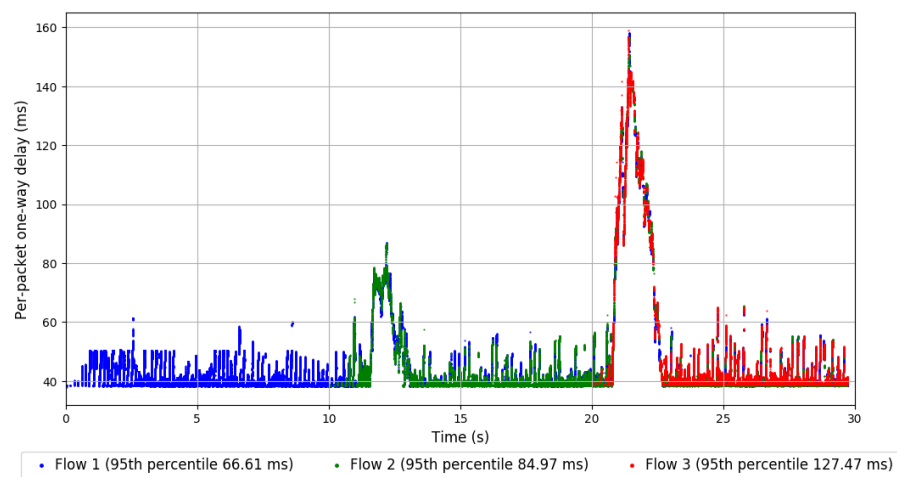
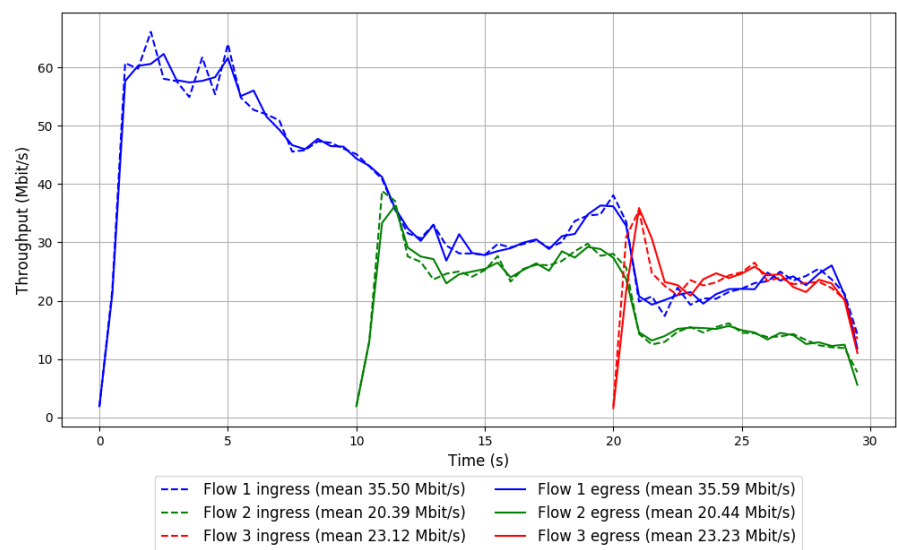


Run 6: Statistics of Indigo-2-256

Start at: 2018-01-26 12:30:19
End at: 2018-01-26 12:30:49
Local clock offset: -0.726 ms
Remote clock offset: -3.369 ms

Below is generated by plot.py at 2018-01-26 17:49:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.70 Mbit/s
95th percentile per-packet one-way delay: 88.923 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 66.609 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 84.972 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 127.475 ms
Loss rate: 0.94%

Run 6: Report of Indigo-2-256 — Data Link



Run 7: Statistics of Indigo-2-256

Start at: 2018-01-26 12:50:47

End at: 2018-01-26 12:51:17

Local clock offset: -0.483 ms

Remote clock offset: -2.65 ms

Below is generated by plot.py at 2018-01-26 17:49:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.67 Mbit/s

95th percentile per-packet one-way delay: 70.862 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 35.28 Mbit/s

95th percentile per-packet one-way delay: 61.243 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 24.14 Mbit/s

95th percentile per-packet one-way delay: 75.031 ms

Loss rate: 0.73%

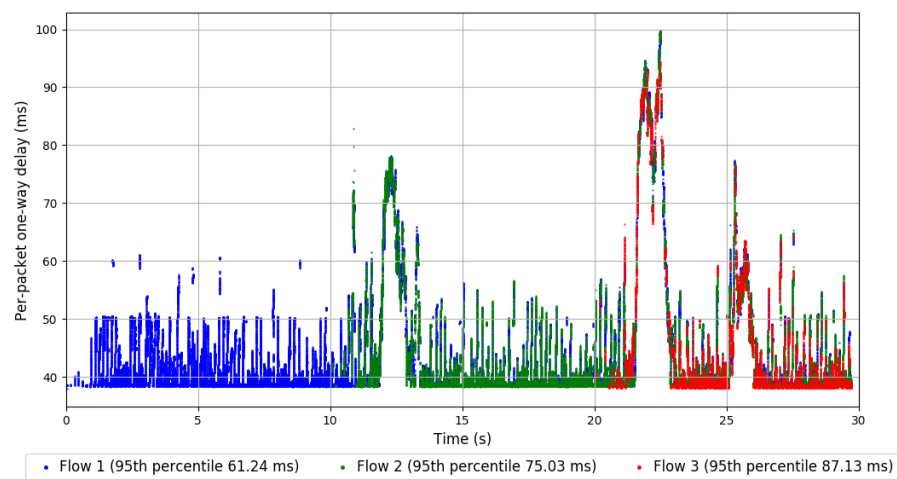
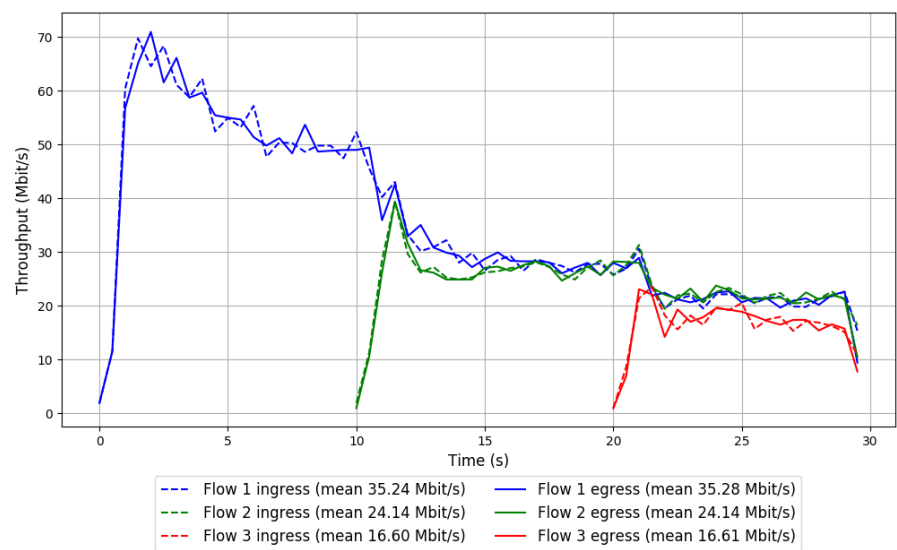
-- Flow 3:

Average throughput: 16.61 Mbit/s

95th percentile per-packet one-way delay: 87.126 ms

Loss rate: 1.20%

Run 7: Report of Indigo-2-256 — Data Link



Run 8: Statistics of Indigo-2-256

Start at: 2018-01-26 13:11:25

End at: 2018-01-26 13:11:55

Local clock offset: 0.308 ms

Remote clock offset: -2.88 ms

Below is generated by plot.py at 2018-01-26 17:49:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.18 Mbit/s

95th percentile per-packet one-way delay: 76.133 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 64.993 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 20.88 Mbit/s

95th percentile per-packet one-way delay: 86.022 ms

Loss rate: 0.53%

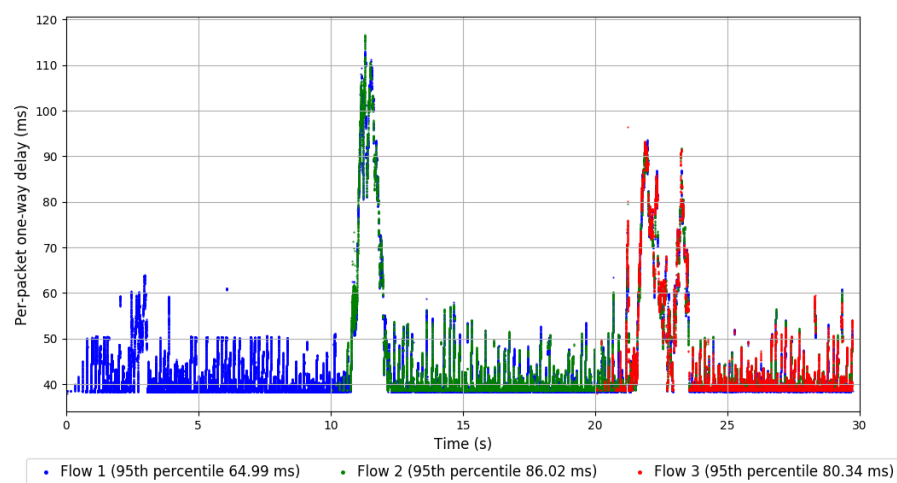
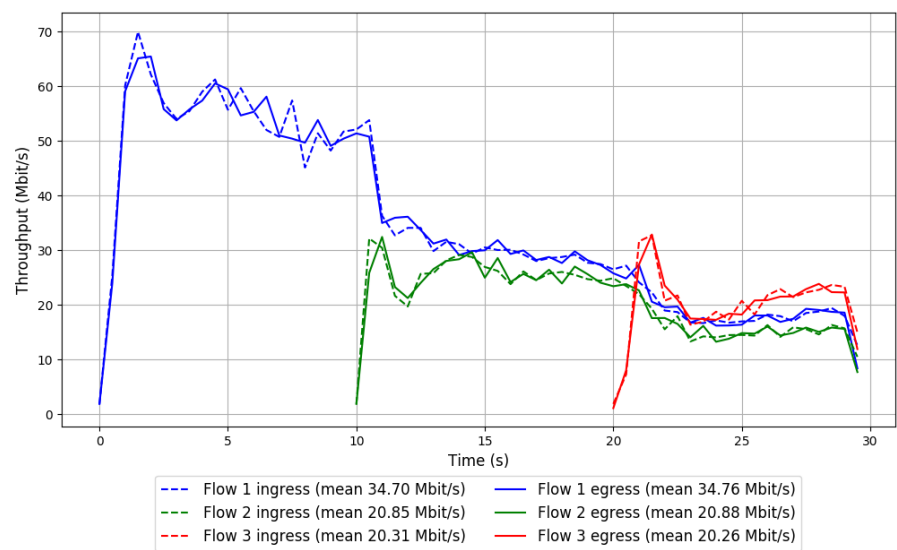
-- Flow 3:

Average throughput: 20.26 Mbit/s

95th percentile per-packet one-way delay: 80.337 ms

Loss rate: 1.69%

Run 8: Report of Indigo-2-256 — Data Link

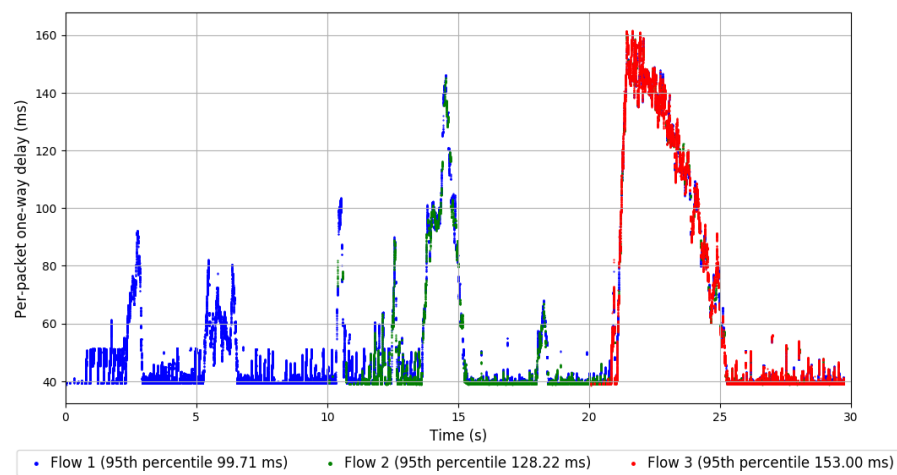
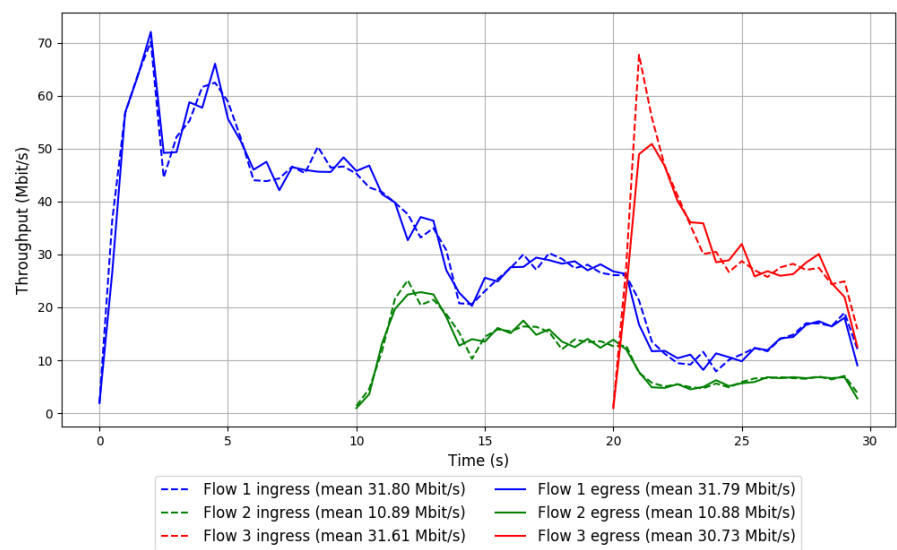


Run 9: Statistics of Indigo-2-256

Start at: 2018-01-26 13:32:28
End at: 2018-01-26 13:32:58
Local clock offset: 1.288 ms
Remote clock offset: -3.407 ms

Below is generated by plot.py at 2018-01-26 17:49:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 140.735 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 99.712 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 128.216 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 152.998 ms
Loss rate: 4.12%

Run 9: Report of Indigo-2-256 — Data Link



Run 10: Statistics of Indigo-2-256

Start at: 2018-01-26 13:56:19

End at: 2018-01-26 13:56:49

Local clock offset: 1.397 ms

Remote clock offset: -4.15 ms

Below is generated by plot.py at 2018-01-26 17:49:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.03 Mbit/s

95th percentile per-packet one-way delay: 172.690 ms

Loss rate: 8.83%

-- Flow 1:

Average throughput: 27.63 Mbit/s

95th percentile per-packet one-way delay: 166.088 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 11.59 Mbit/s

95th percentile per-packet one-way delay: 185.093 ms

Loss rate: 11.53%

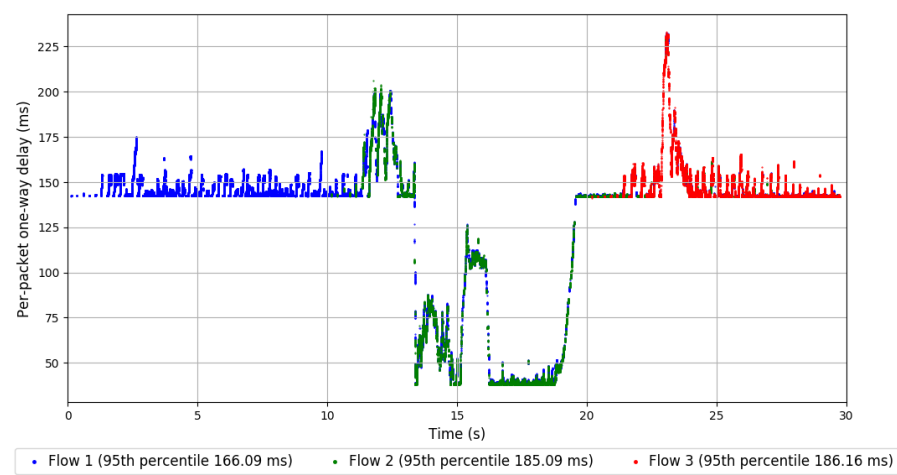
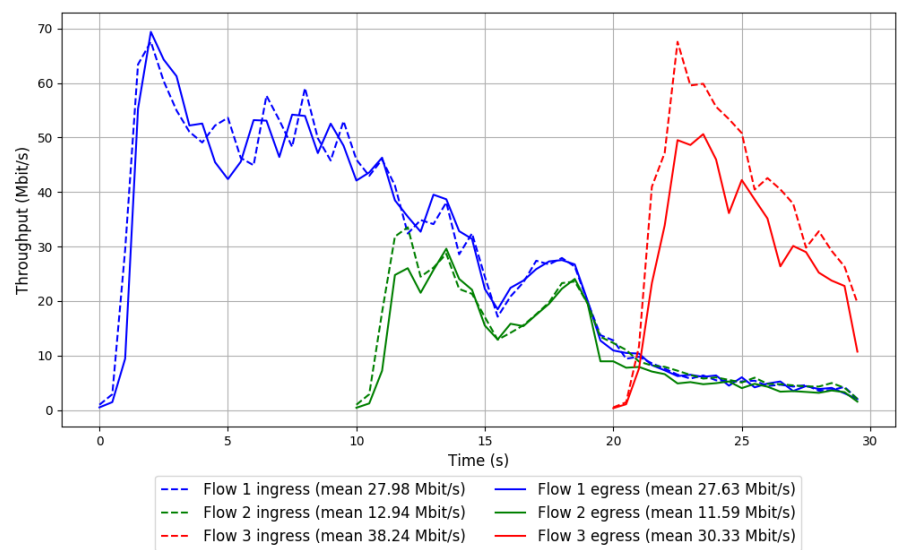
-- Flow 3:

Average throughput: 30.33 Mbit/s

95th percentile per-packet one-way delay: 186.161 ms

Loss rate: 22.31%

Run 10: Report of Indigo-2-256 — Data Link

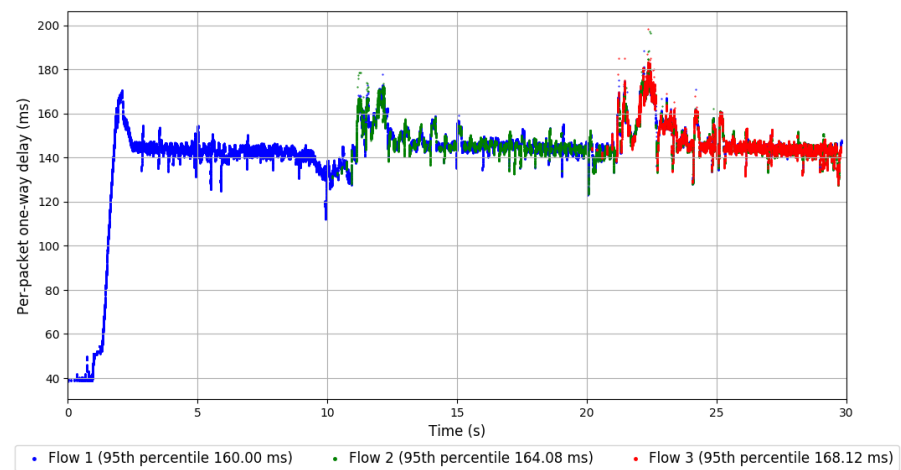
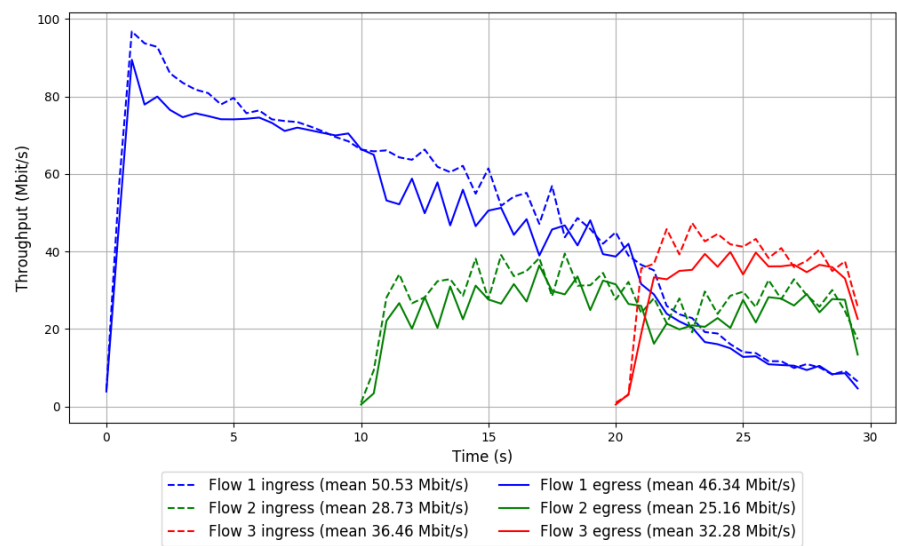


Run 1: Statistics of Indigo-1-32

Start at: 2018-01-26 10:50:58
End at: 2018-01-26 10:51:28
Local clock offset: -0.182 ms
Remote clock offset: -7.032 ms

Below is generated by plot.py at 2018-01-26 17:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.28 Mbit/s
95th percentile per-packet one-way delay: 161.841 ms
Loss rate: 10.34%
-- Flow 1:
Average throughput: 46.34 Mbit/s
95th percentile per-packet one-way delay: 159.998 ms
Loss rate: 8.55%
-- Flow 2:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 164.081 ms
Loss rate: 13.31%
-- Flow 3:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 168.115 ms
Loss rate: 13.17%

Run 1: Report of Indigo-1-32 — Data Link



Run 2: Statistics of Indigo-1-32

Start at: 2018-01-26 11:10:43

End at: 2018-01-26 11:11:13

Local clock offset: -0.038 ms

Remote clock offset: -6.52 ms

Below is generated by plot.py at 2018-01-26 17:49:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.75 Mbit/s

95th percentile per-packet one-way delay: 184.489 ms

Loss rate: 22.59%

-- Flow 1:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 182.918 ms

Loss rate: 21.08%

-- Flow 2:

Average throughput: 27.01 Mbit/s

95th percentile per-packet one-way delay: 185.261 ms

Loss rate: 24.91%

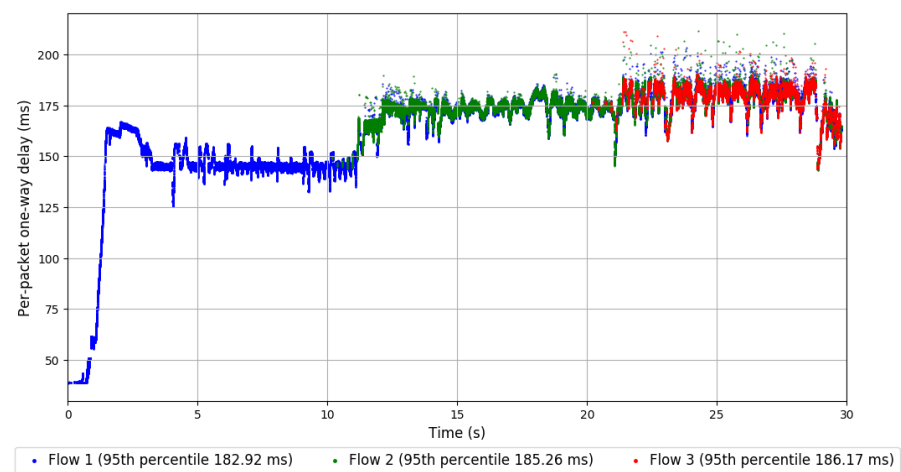
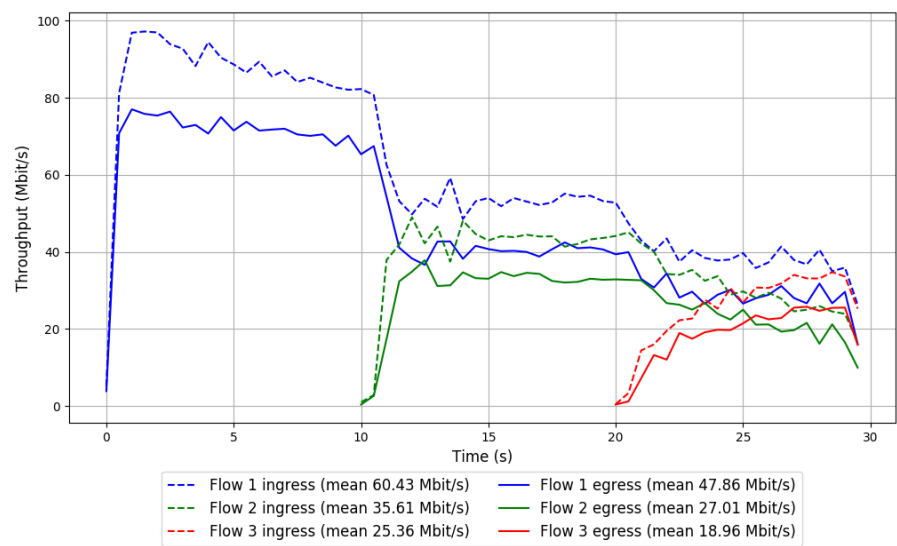
-- Flow 3:

Average throughput: 18.96 Mbit/s

95th percentile per-packet one-way delay: 186.170 ms

Loss rate: 26.99%

Run 2: Report of Indigo-1-32 — Data Link

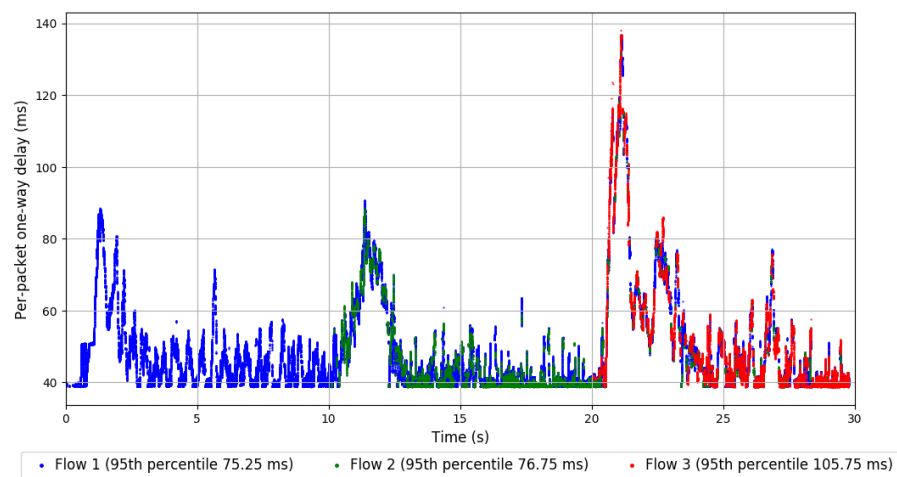
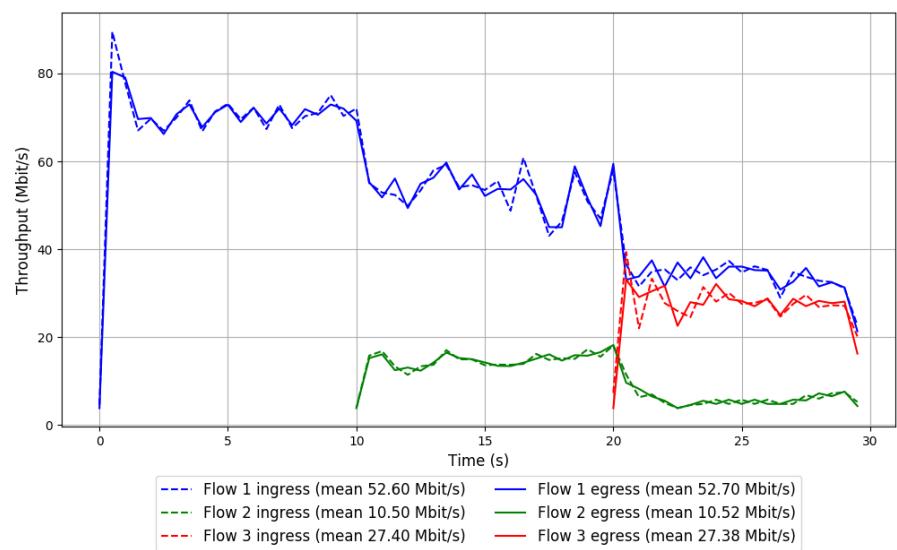


Run 3: Statistics of Indigo-1-32

Start at: 2018-01-26 11:30:50
End at: 2018-01-26 11:31:20
Local clock offset: -0.394 ms
Remote clock offset: -5.974 ms

Below is generated by plot.py at 2018-01-26 17:49:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.56 Mbit/s
95th percentile per-packet one-way delay: 76.978 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 52.70 Mbit/s
95th percentile per-packet one-way delay: 75.254 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 76.751 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 27.38 Mbit/s
95th percentile per-packet one-way delay: 105.751 ms
Loss rate: 0.93%

Run 3: Report of Indigo-1-32 — Data Link

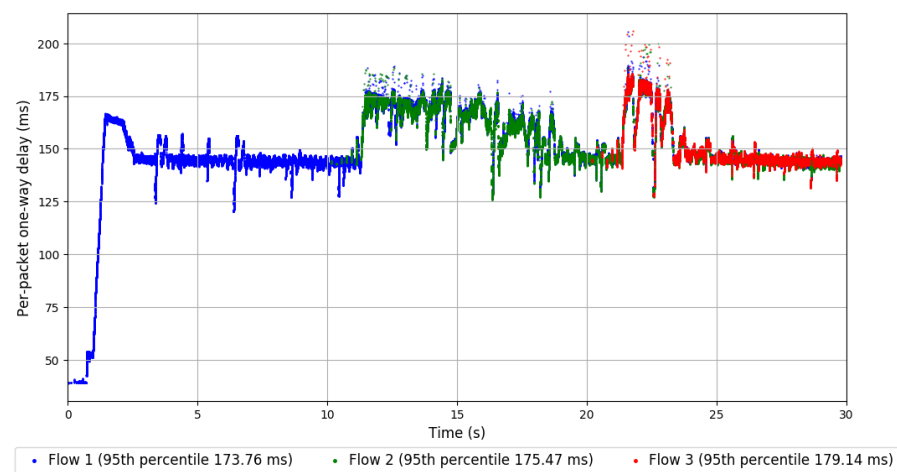
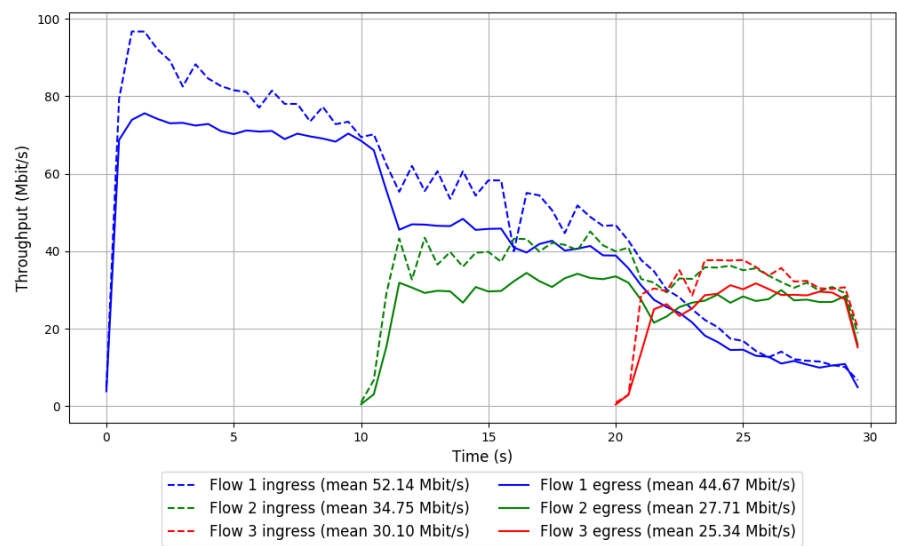


Run 4: Statistics of Indigo-1-32

Start at: 2018-01-26 11:50:46
End at: 2018-01-26 11:51:16
Local clock offset: -0.567 ms
Remote clock offset: -4.642 ms

Below is generated by plot.py at 2018-01-26 17:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.12 Mbit/s
95th percentile per-packet one-way delay: 174.812 ms
Loss rate: 16.67%
-- Flow 1:
Average throughput: 44.67 Mbit/s
95th percentile per-packet one-way delay: 173.765 ms
Loss rate: 14.57%
-- Flow 2:
Average throughput: 27.71 Mbit/s
95th percentile per-packet one-way delay: 175.465 ms
Loss rate: 21.06%
-- Flow 3:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 179.142 ms
Loss rate: 17.48%

Run 4: Report of Indigo-1-32 — Data Link

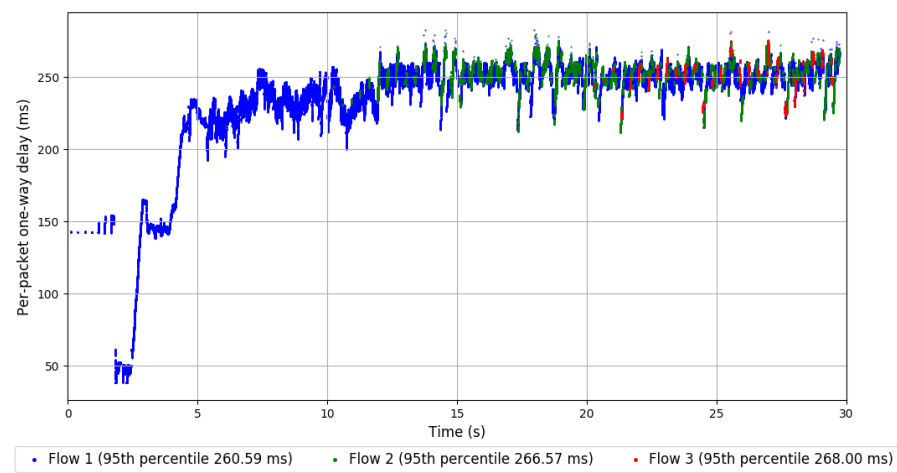
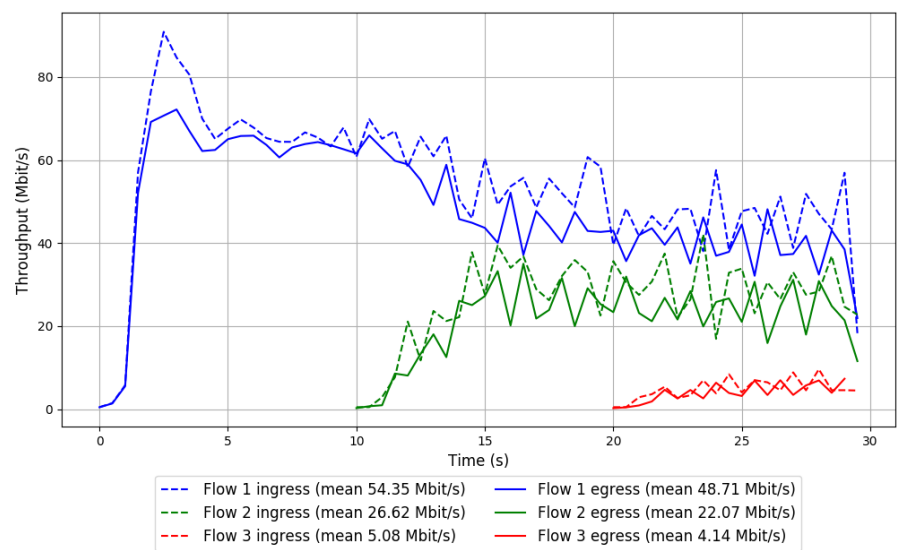


Run 5: Statistics of Indigo-1-32

Start at: 2018-01-26 12:15:01
End at: 2018-01-26 12:15:31
Local clock offset: -0.866 ms
Remote clock offset: -3.713 ms

Below is generated by plot.py at 2018-01-26 17:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.51 Mbit/s
95th percentile per-packet one-way delay: 263.405 ms
Loss rate: 13.11%
-- Flow 1:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 260.589 ms
Loss rate: 11.11%
-- Flow 2:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 266.575 ms
Loss rate: 18.51%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 268.000 ms
Loss rate: 21.48%

Run 5: Report of Indigo-1-32 — Data Link

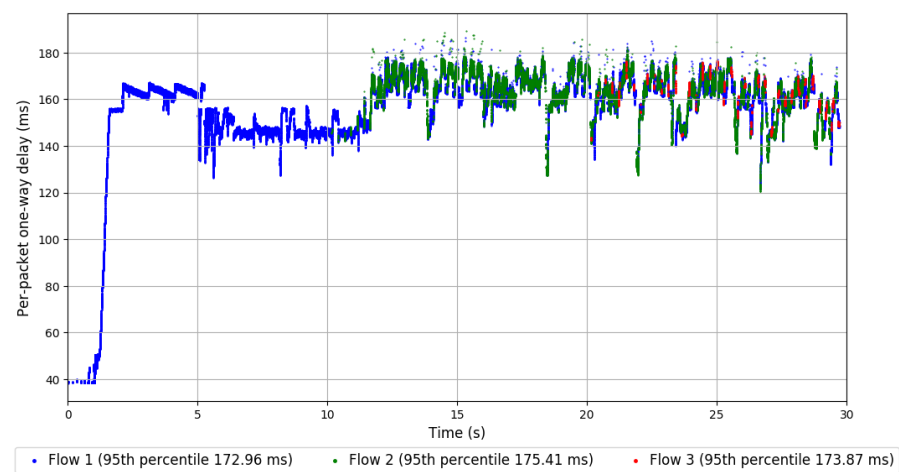
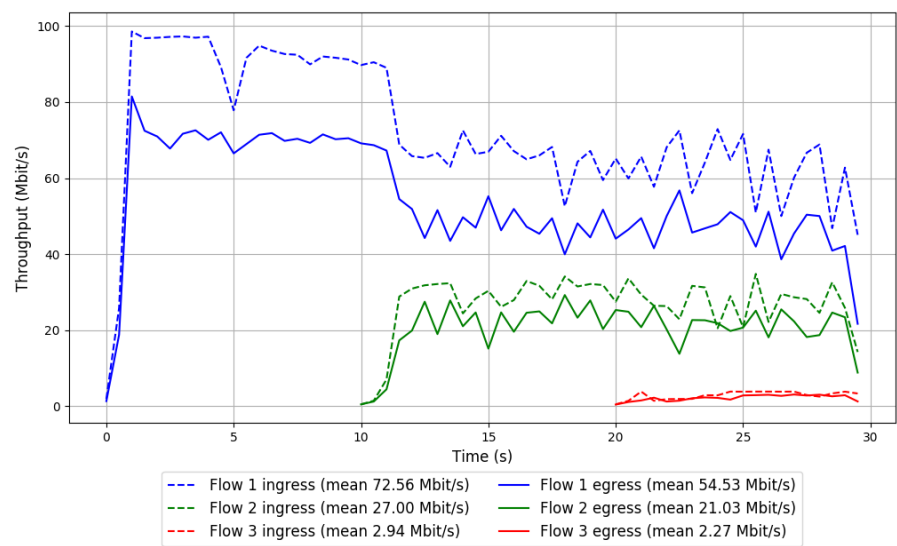


Run 6: Statistics of Indigo-1-32

Start at: 2018-01-26 12:39:12
End at: 2018-01-26 12:39:42
Local clock offset: -0.181 ms
Remote clock offset: -3.121 ms

Below is generated by plot.py at 2018-01-26 17:50:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.04 Mbit/s
95th percentile per-packet one-way delay: 174.016 ms
Loss rate: 24.79%
-- Flow 1:
Average throughput: 54.53 Mbit/s
95th percentile per-packet one-way delay: 172.963 ms
Loss rate: 25.20%
-- Flow 2:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 175.411 ms
Loss rate: 23.13%
-- Flow 3:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 173.865 ms
Loss rate: 24.67%

Run 6: Report of Indigo-1-32 — Data Link

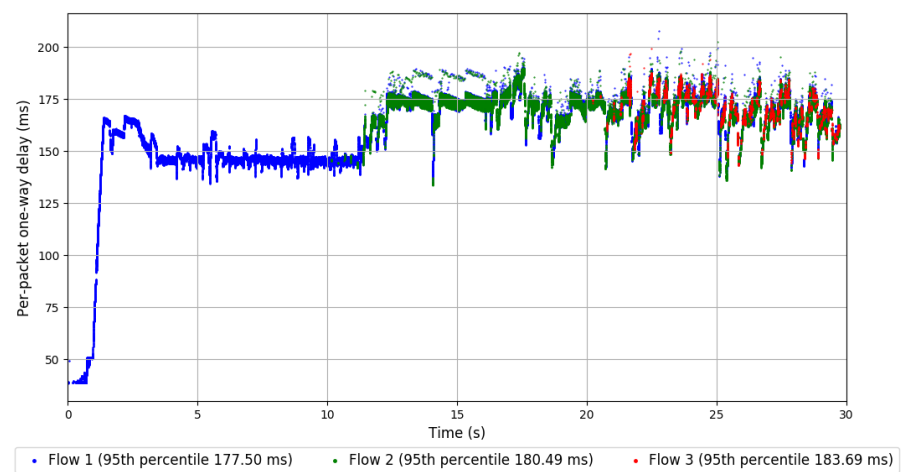
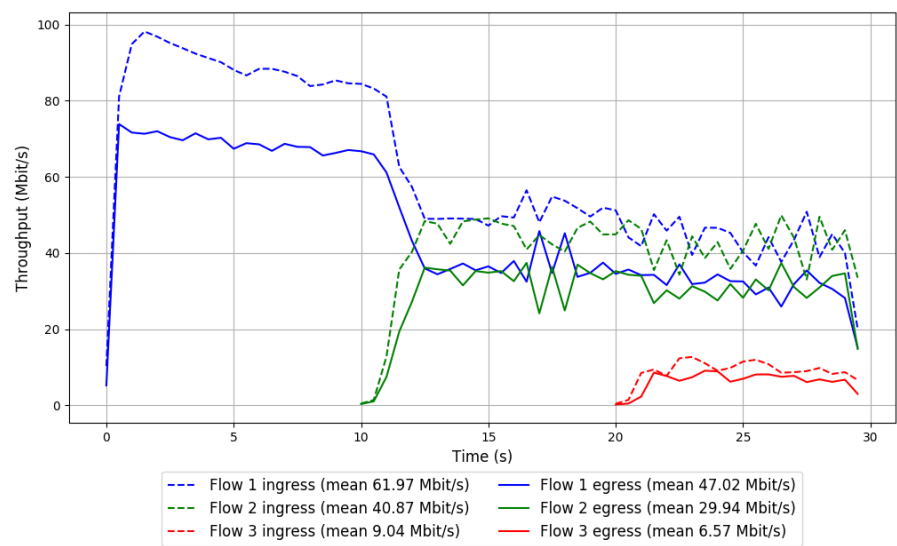


Run 7: Statistics of Indigo-1-32

Start at: 2018-01-26 12:59:43
End at: 2018-01-26 13:00:13
Local clock offset: 0.134 ms
Remote clock offset: -2.542 ms

Below is generated by plot.py at 2018-01-26 17:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.85 Mbit/s
95th percentile per-packet one-way delay: 178.679 ms
Loss rate: 25.50%
-- Flow 1:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 177.503 ms
Loss rate: 24.37%
-- Flow 2:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 180.487 ms
Loss rate: 27.65%
-- Flow 3:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 183.690 ms
Loss rate: 29.37%

Run 7: Report of Indigo-1-32 — Data Link

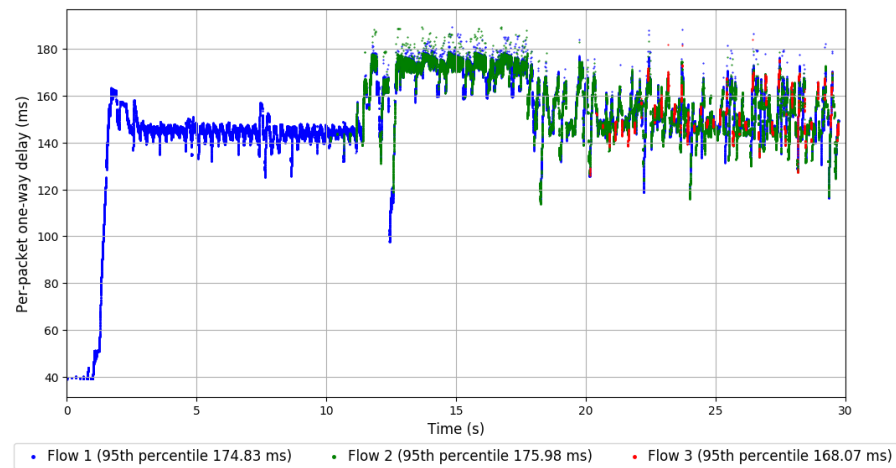
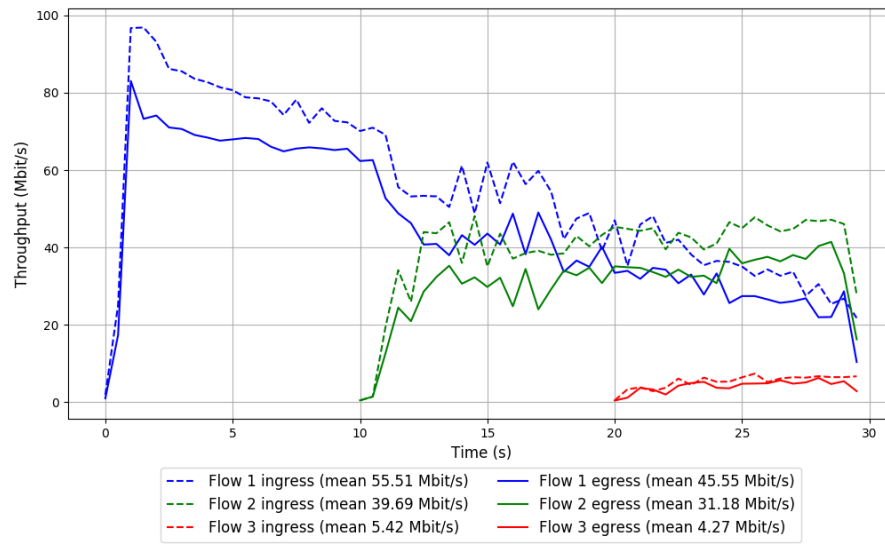


Run 8: Statistics of Indigo-1-32

Start at: 2018-01-26 13:20:33
End at: 2018-01-26 13:21:03
Local clock offset: 0.898 ms
Remote clock offset: -3.106 ms

Below is generated by plot.py at 2018-01-26 17:50:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.47 Mbit/s
95th percentile per-packet one-way delay: 175.340 ms
Loss rate: 19.70%
-- Flow 1:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: 174.827 ms
Loss rate: 18.32%
-- Flow 2:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 175.979 ms
Loss rate: 22.37%
-- Flow 3:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 168.074 ms
Loss rate: 23.00%

Run 8: Report of Indigo-1-32 — Data Link

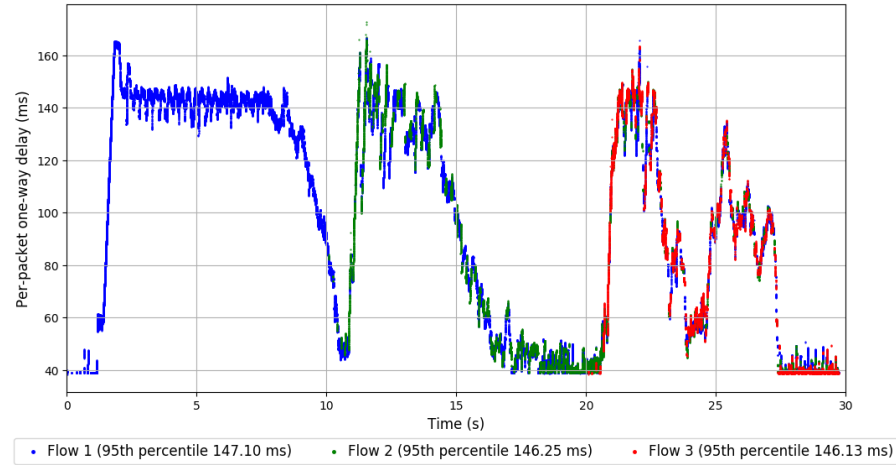
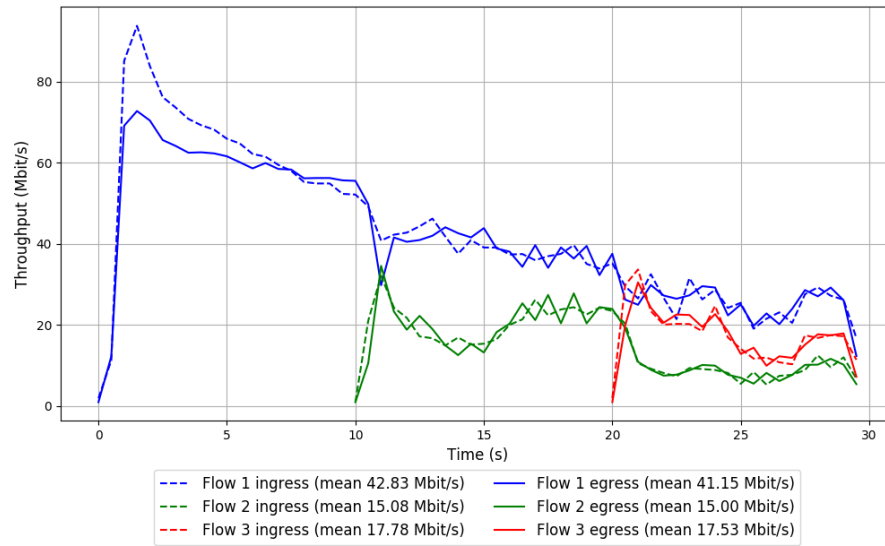


Run 9: Statistics of Indigo-1-32

Start at: 2018-01-26 13:41:20
End at: 2018-01-26 13:41:50
Local clock offset: 1.425 ms
Remote clock offset: -3.604 ms

Below is generated by plot.py at 2018-01-26 17:50:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 146.914 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 147.097 ms
Loss rate: 4.24%
-- Flow 2:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 146.254 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 17.53 Mbit/s
95th percentile per-packet one-way delay: 146.134 ms
Loss rate: 2.91%

Run 9: Report of Indigo-1-32 — Data Link

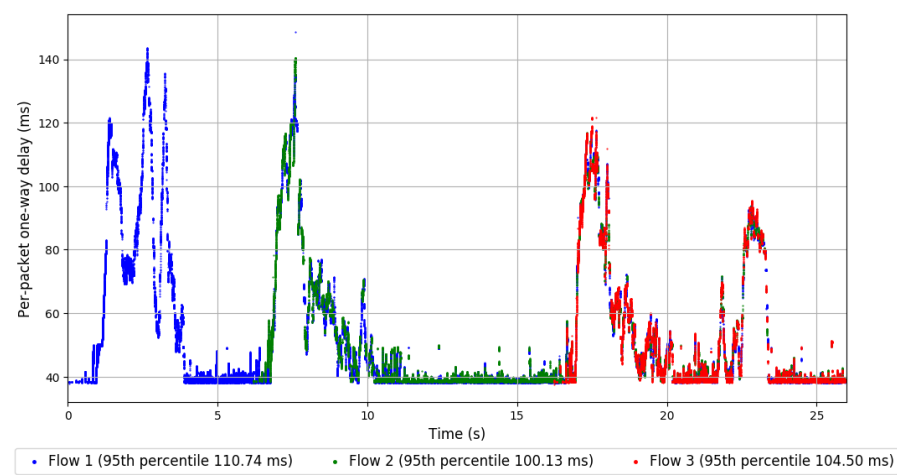
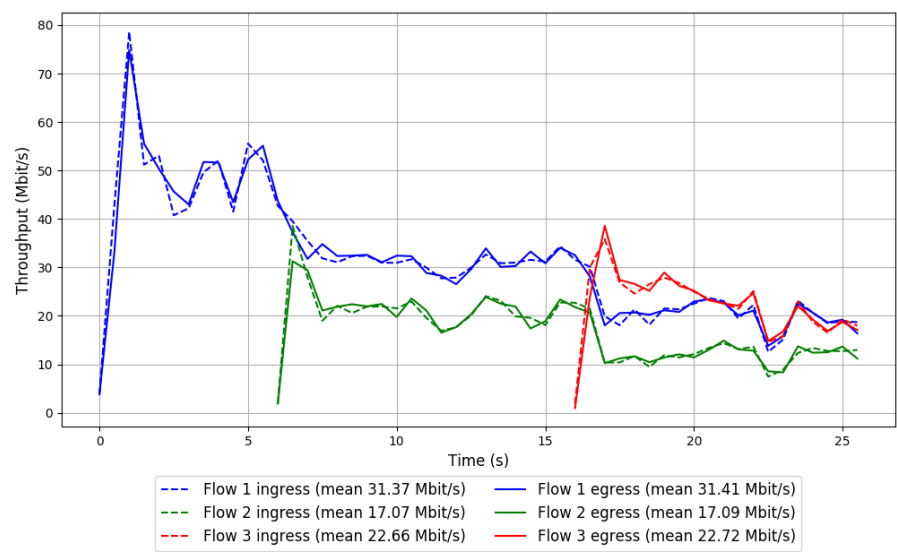


Run 10: Statistics of Indigo-1-32

Start at: 2018-01-26 14:07:08
End at: 2018-01-26 14:07:38
Local clock offset: 2.236 ms
Remote clock offset: -4.293 ms

Below is generated by plot.py at 2018-01-26 17:50:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.93 Mbit/s
95th percentile per-packet one-way delay: 107.787 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 110.737 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 17.09 Mbit/s
95th percentile per-packet one-way delay: 100.128 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 22.72 Mbit/s
95th percentile per-packet one-way delay: 104.495 ms
Loss rate: 0.67%

Run 10: Report of Indigo-1-32 — Data Link

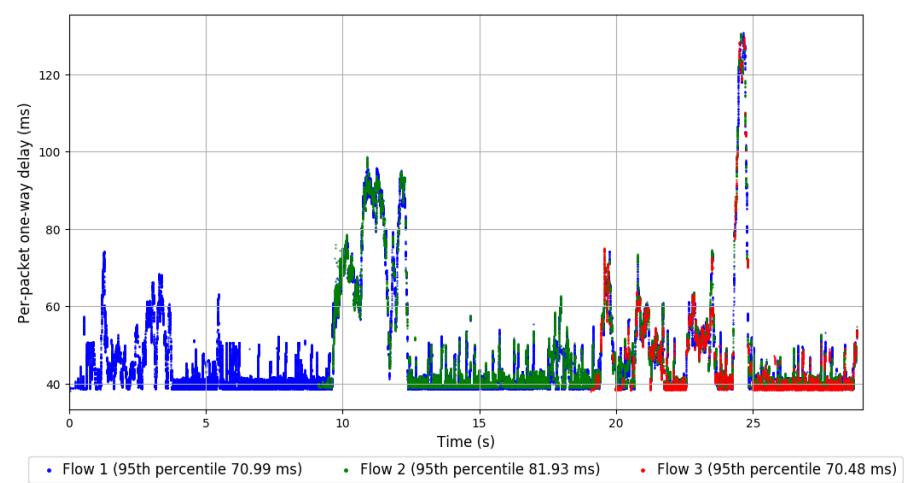
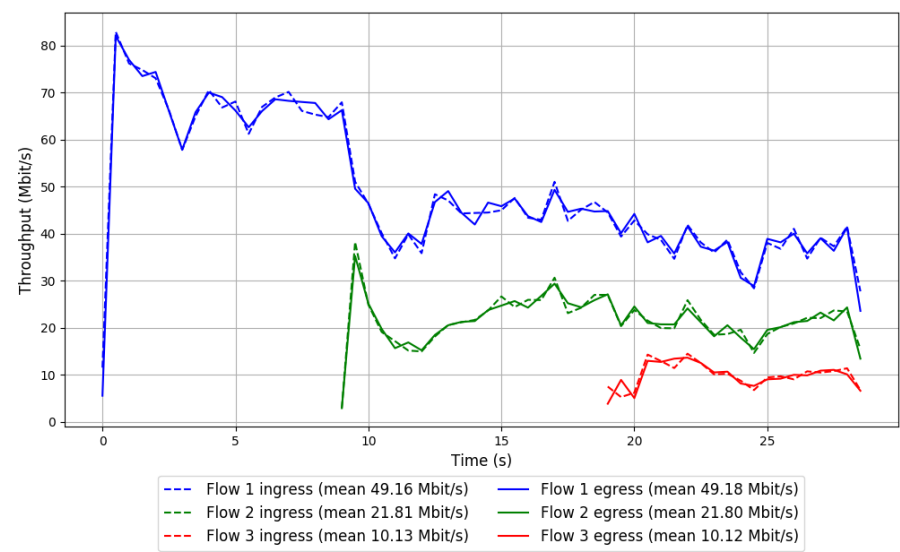


Run 1: Statistics of Indigo-1-128

Start at: 2018-01-26 10:41:12
End at: 2018-01-26 10:41:42
Local clock offset: -0.037 ms
Remote clock offset: -7.308 ms

Below is generated by plot.py at 2018-01-26 17:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.52 Mbit/s
95th percentile per-packet one-way delay: 72.894 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 49.18 Mbit/s
95th percentile per-packet one-way delay: 70.990 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 21.80 Mbit/s
95th percentile per-packet one-way delay: 81.927 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 70.482 ms
Loss rate: 0.97%

Run 1: Report of Indigo-1-128 — Data Link

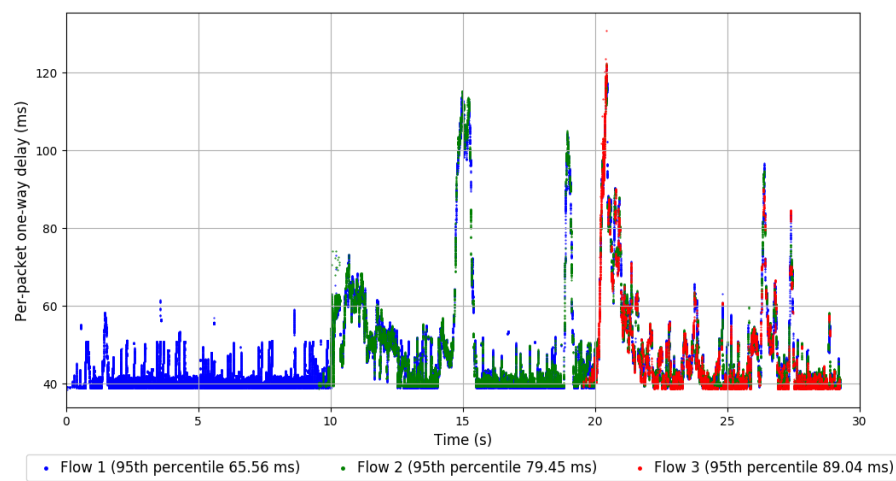
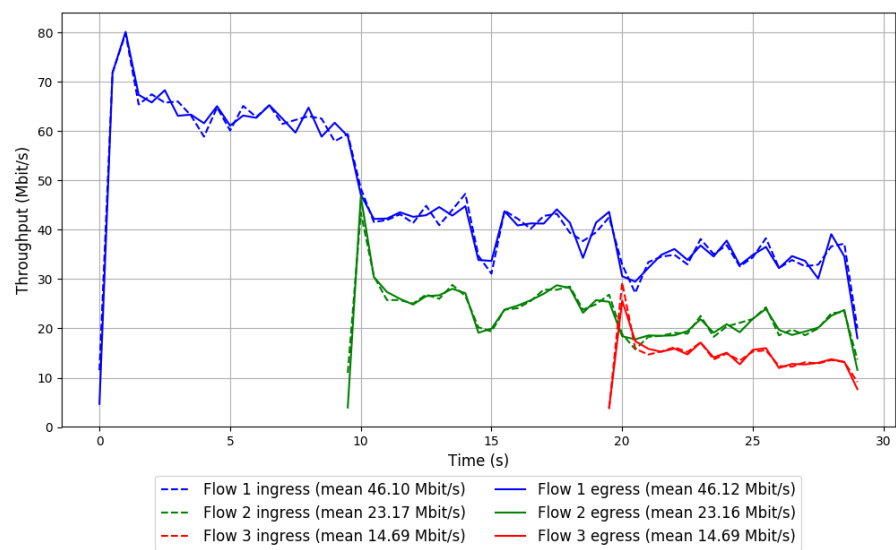


Run 2: Statistics of Indigo-1-128

Start at: 2018-01-26 11:00:56
End at: 2018-01-26 11:01:26
Local clock offset: -0.07 ms
Remote clock offset: -6.923 ms

Below is generated by plot.py at 2018-01-26 17:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.61 Mbit/s
95th percentile per-packet one-way delay: 70.998 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 46.12 Mbit/s
95th percentile per-packet one-way delay: 65.557 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 79.447 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 89.041 ms
Loss rate: 0.92%

Run 2: Report of Indigo-1-128 — Data Link

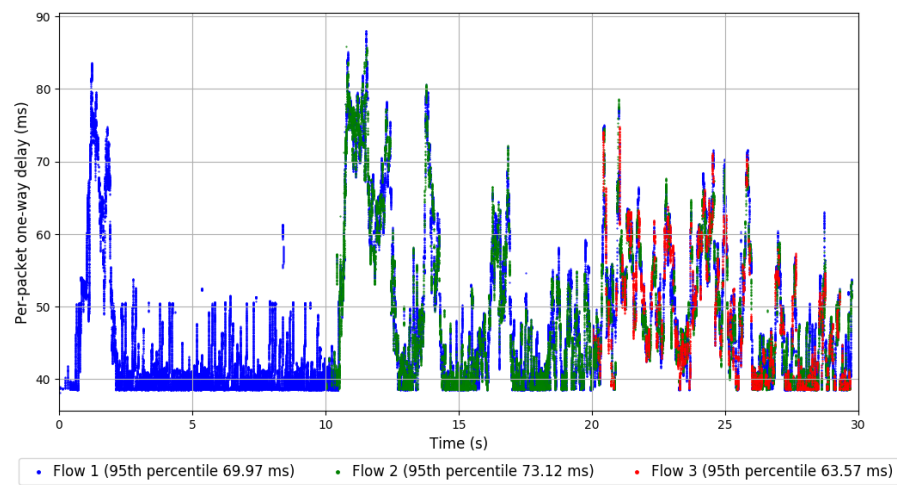
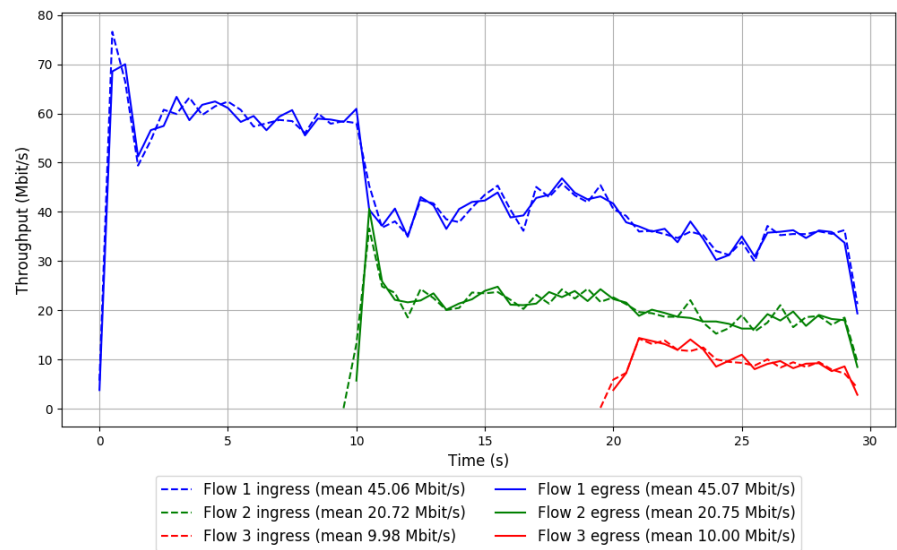


Run 3: Statistics of Indigo-1-128

Start at: 2018-01-26 11:20:48
End at: 2018-01-26 11:21:18
Local clock offset: -0.457 ms
Remote clock offset: -6.227 ms

Below is generated by plot.py at 2018-01-26 17:51:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.08 Mbit/s
95th percentile per-packet one-way delay: 70.655 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 69.966 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 73.119 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 10.00 Mbit/s
95th percentile per-packet one-way delay: 63.572 ms
Loss rate: 0.74%

Run 3: Report of Indigo-1-128 — Data Link

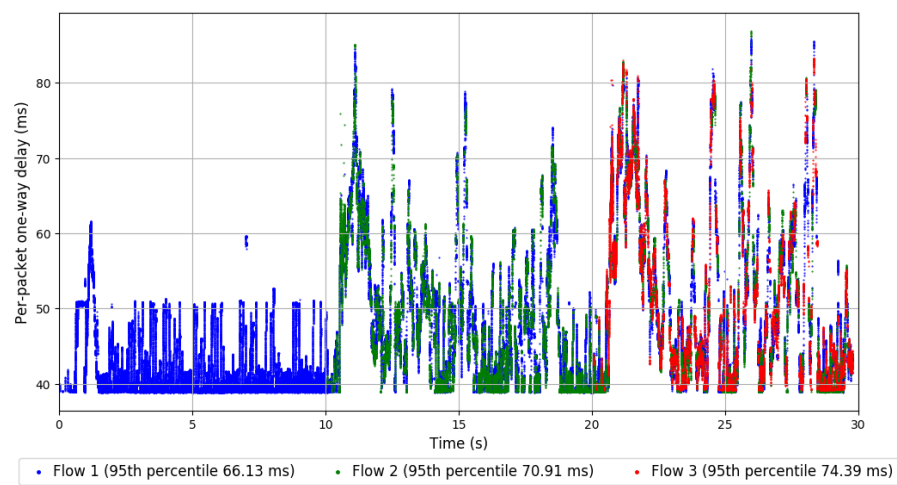
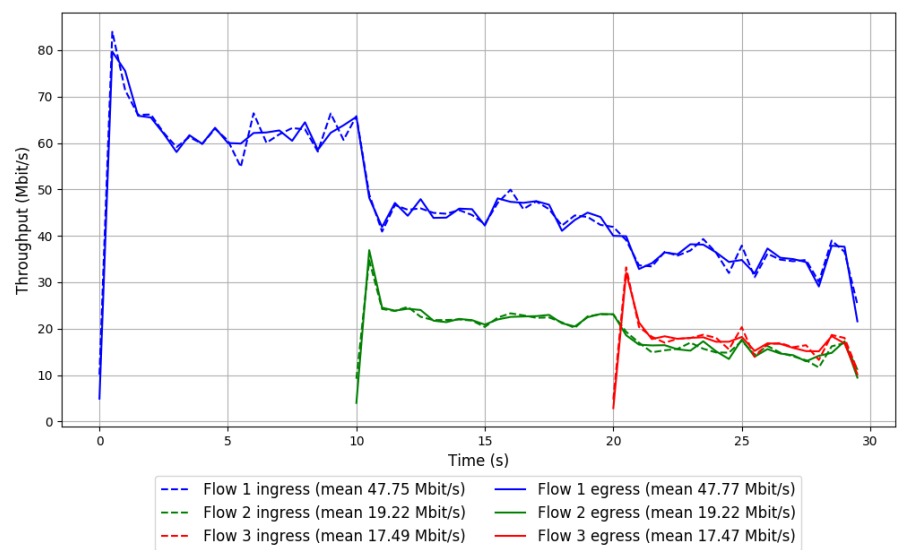


Run 4: Statistics of Indigo-1-128

Start at: 2018-01-26 11:40:53
End at: 2018-01-26 11:41:23
Local clock offset: -0.454 ms
Remote clock offset: -5.251 ms

Below is generated by plot.py at 2018-01-26 17:51:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.22 Mbit/s
95th percentile per-packet one-way delay: 68.543 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 66.132 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 70.911 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 17.47 Mbit/s
95th percentile per-packet one-way delay: 74.385 ms
Loss rate: 1.04%

Run 4: Report of Indigo-1-128 — Data Link



Run 5: Statistics of Indigo-1-128

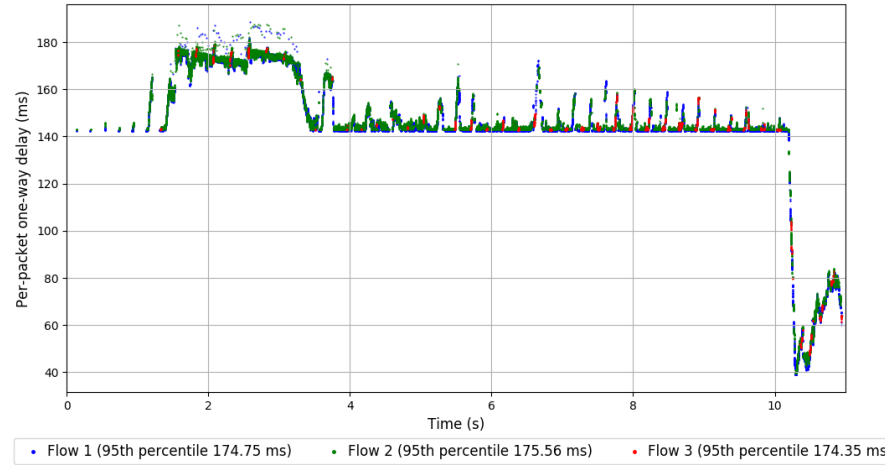
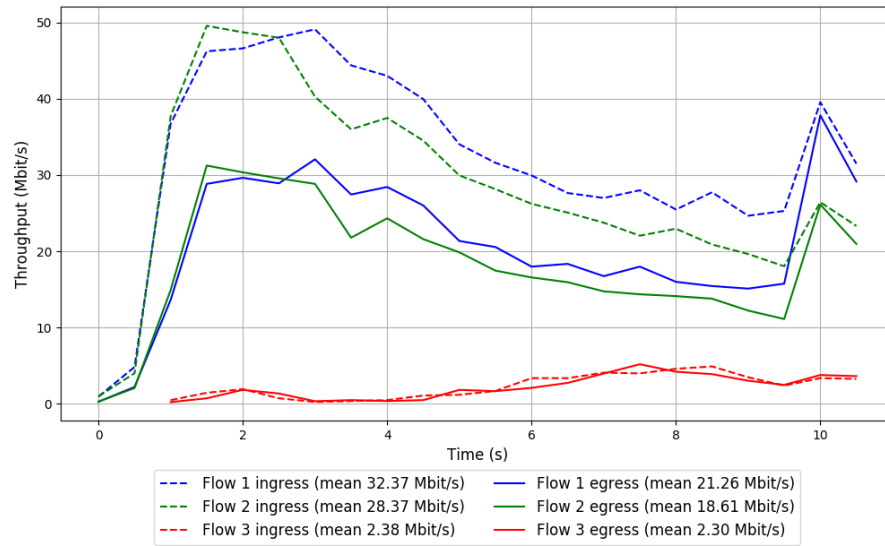
Start at: 2018-01-26 12:01:09

End at: 2018-01-26 12:01:39

Local clock offset: -0.217 ms

Remote clock offset: -4.177 ms

Run 5: Report of Indigo-1-128 — Data Link

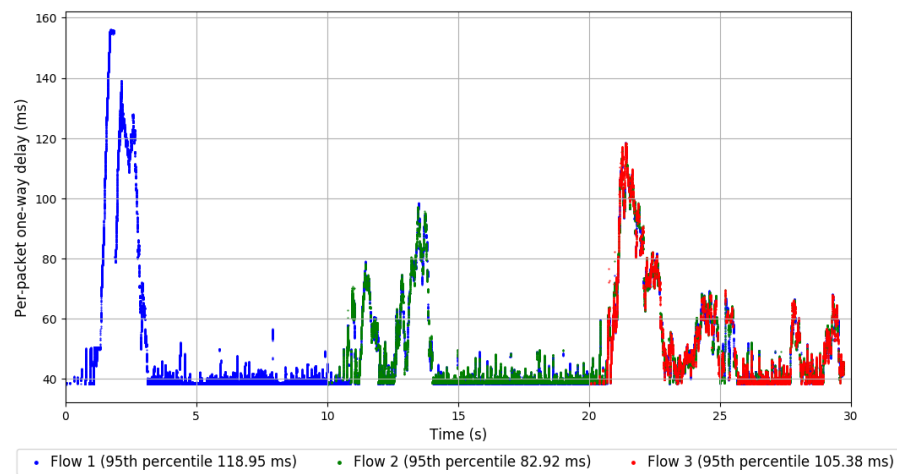
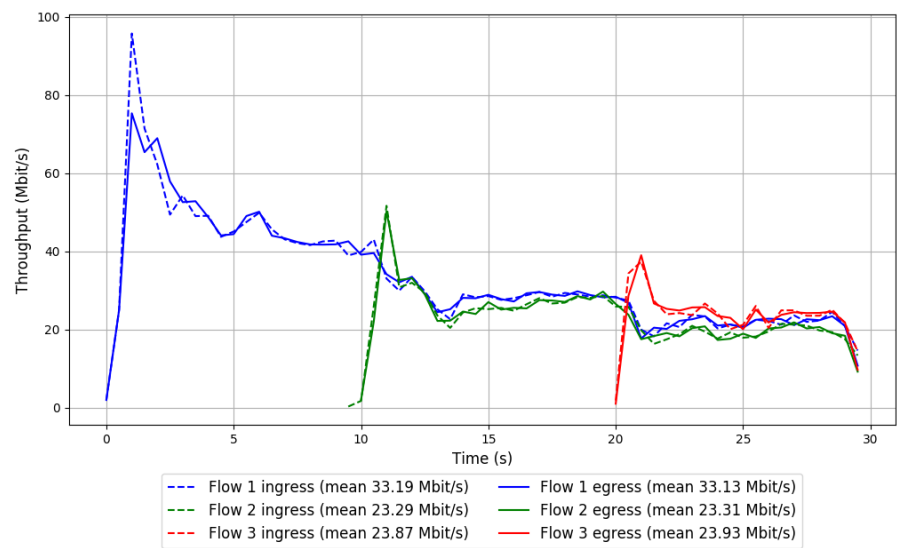


Run 6: Statistics of Indigo-1-128

Start at: 2018-01-26 12:29:01
End at: 2018-01-26 12:29:31
Local clock offset: -0.314 ms
Remote clock offset: -3.357 ms

Below is generated by plot.py at 2018-01-26 17:51:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 107.341 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 118.952 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 82.922 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 105.383 ms
Loss rate: 1.32%

Run 6: Report of Indigo-1-128 — Data Link

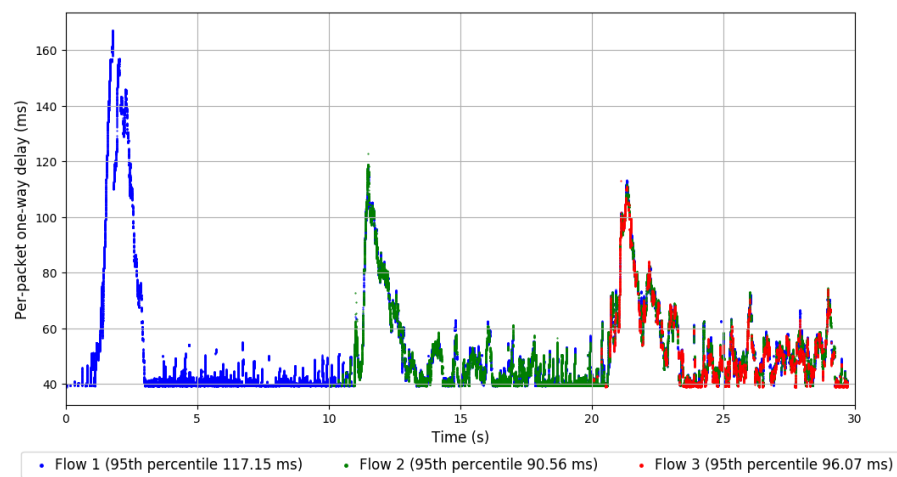
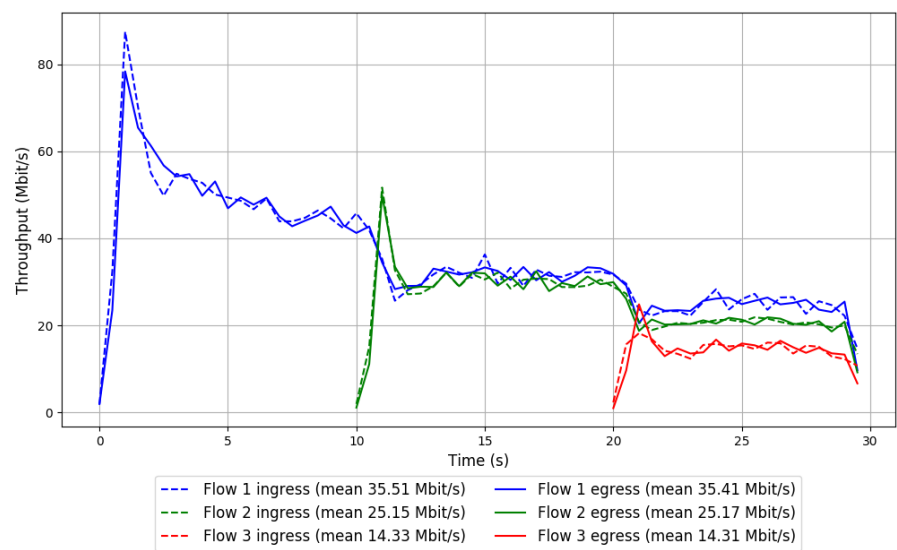


Run 7: Statistics of Indigo-1-128

Start at: 2018-01-26 12:49:29
End at: 2018-01-26 12:49:59
Local clock offset: 0.146 ms
Remote clock offset: -2.764 ms

Below is generated by plot.py at 2018-01-26 17:51:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 103.402 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 117.148 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 25.17 Mbit/s
95th percentile per-packet one-way delay: 90.561 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 96.072 ms
Loss rate: 1.54%

Run 7: Report of Indigo-1-128 — Data Link

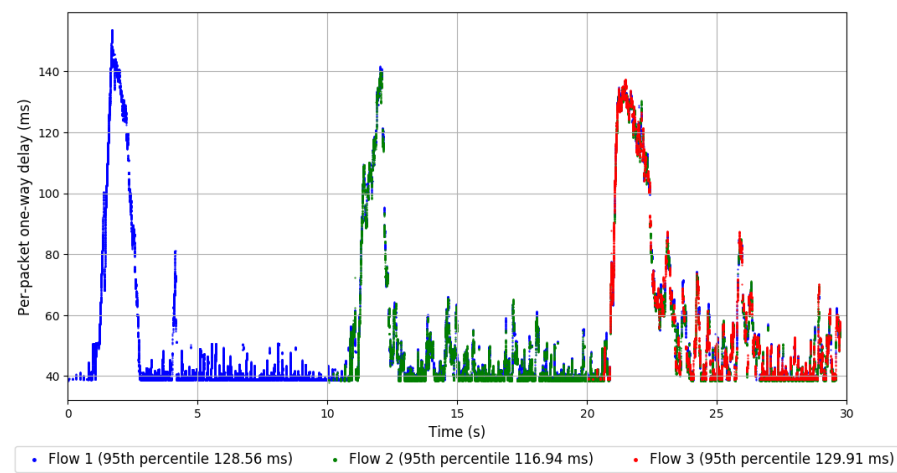
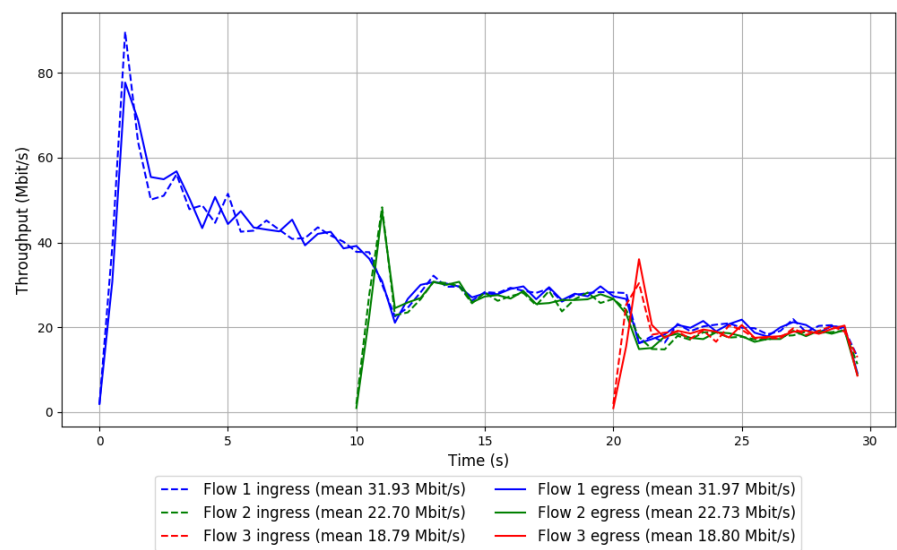


Run 8: Statistics of Indigo-1-128

Start at: 2018-01-26 13:10:08
End at: 2018-01-26 13:10:38
Local clock offset: 0.436 ms
Remote clock offset: -2.841 ms

Below is generated by plot.py at 2018-01-26 17:51:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 127.373 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 128.557 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 116.942 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 18.80 Mbit/s
95th percentile per-packet one-way delay: 129.906 ms
Loss rate: 1.37%

Run 8: Report of Indigo-1-128 — Data Link

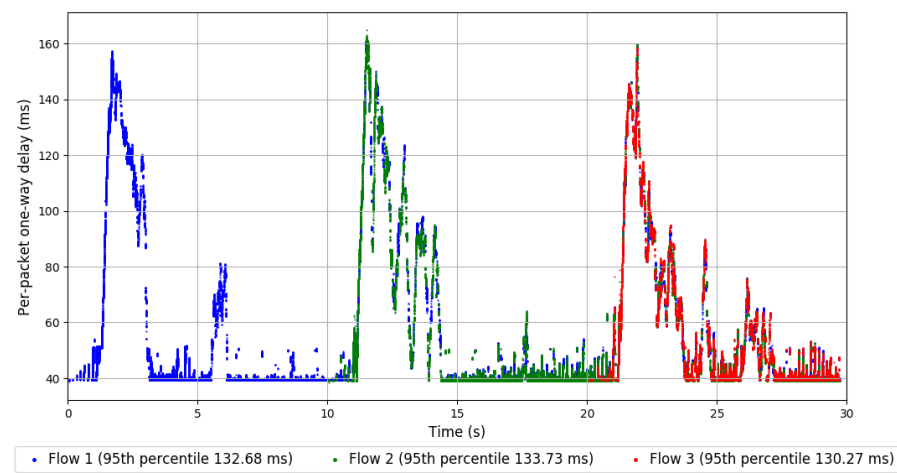
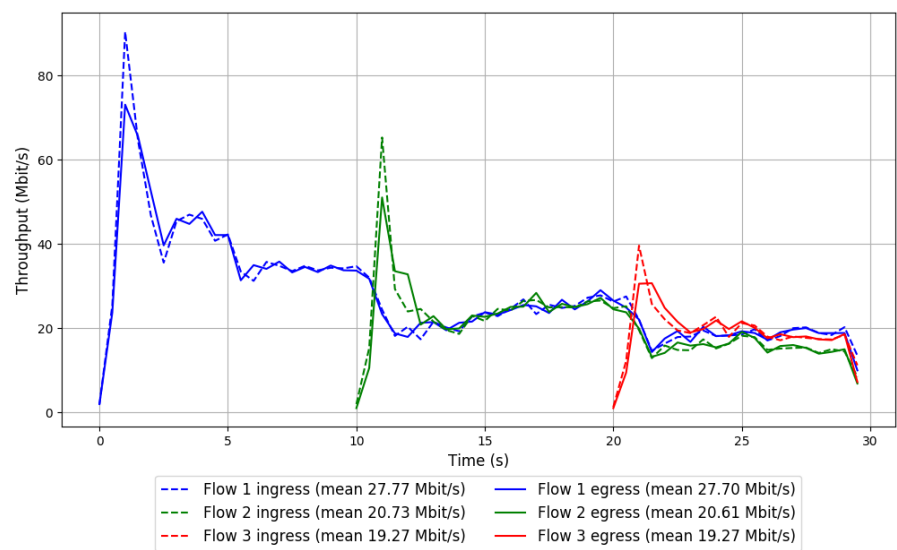


Run 9: Statistics of Indigo-1-128

Start at: 2018-01-26 13:31:11
End at: 2018-01-26 13:31:41
Local clock offset: 1.356 ms
Remote clock offset: -3.345 ms

Below is generated by plot.py at 2018-01-26 17:51:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 132.355 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 132.675 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 133.729 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 19.27 Mbit/s
95th percentile per-packet one-way delay: 130.273 ms
Loss rate: 1.36%

Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-26 13:54:16

End at: 2018-01-26 13:54:46

Local clock offset: 2.114 ms

Remote clock offset: -3.92 ms

Below is generated by plot.py at 2018-01-26 17:51:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.83 Mbit/s

95th percentile per-packet one-way delay: 245.638 ms

Loss rate: 14.26%

-- Flow 1:

Average throughput: 9.38 Mbit/s

95th percentile per-packet one-way delay: 186.405 ms

Loss rate: 1.89%

-- Flow 2:

Average throughput: 28.95 Mbit/s

95th percentile per-packet one-way delay: 246.795 ms

Loss rate: 23.08%

-- Flow 3:

Average throughput: 32.17 Mbit/s

95th percentile per-packet one-way delay: 248.327 ms

Loss rate: 5.05%

Run 10: Report of Indigo-1-128 — Data Link

