

Pantheon Report

Generated at 2017-09-22 03:14:57 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 14 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).

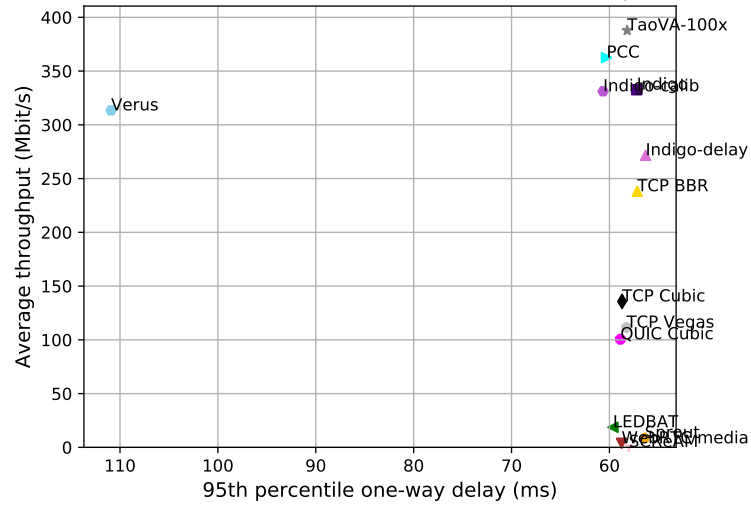
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

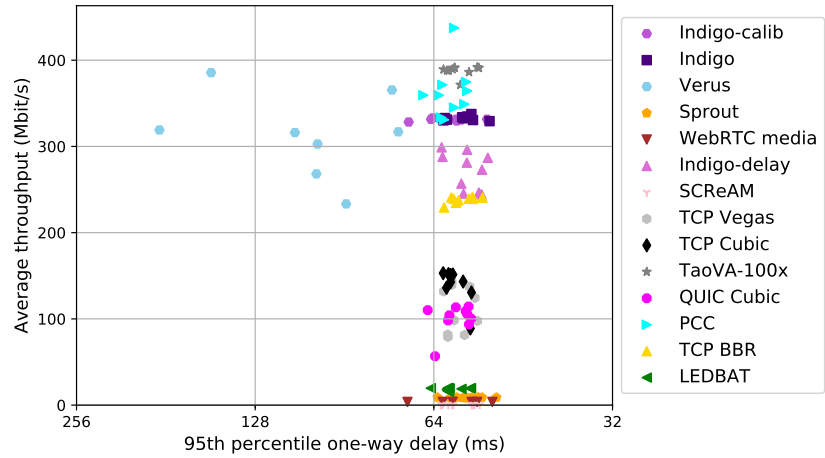
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



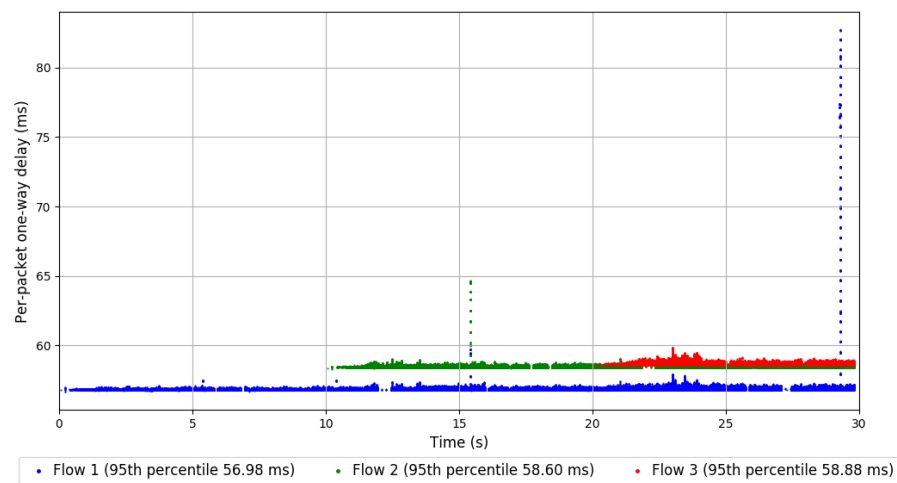
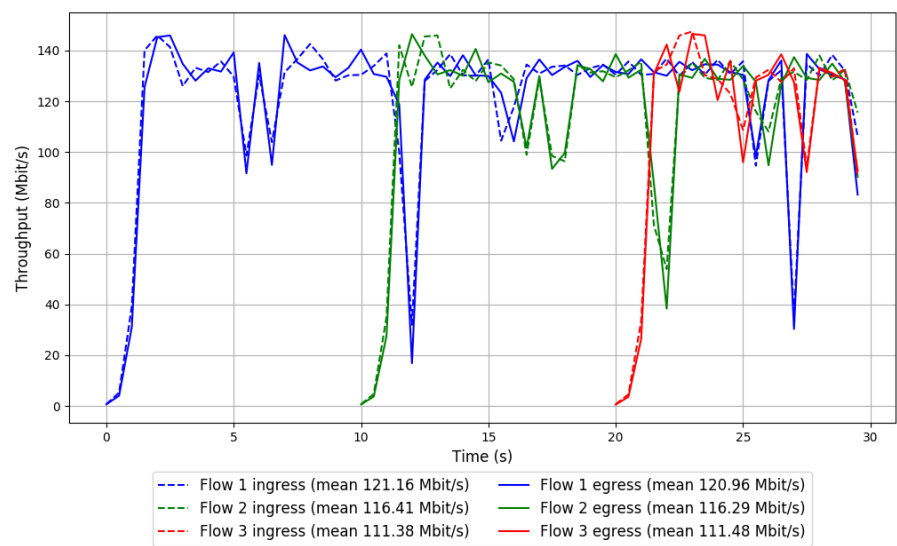
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	121.72	118.91	114.90	56.85	57.03	57.00	0.55	0.88	1.84
TCP Cubic	10	69.87	68.26	62.99	58.54	58.43	58.95	0.45	0.82	1.85
LEDBAT	10	12.10	7.97	4.00	59.34	59.14	59.38	1.02	1.63	3.31
PCC	10	266.89	112.50	64.45	60.27	59.25	59.72	9.77	16.87	15.47
QUIC Cubic	10	54.30	54.30	30.73	58.64	58.61	58.72	0.70	0.97	3.32
SCReAM	9	0.22	0.22	0.22	57.87	57.80	57.71	0.51	0.98	1.53
WebRTC media	6	2.02	1.34	0.44	58.18	58.53	58.34	0.84	1.16	3.60
Sprout	10	4.61	4.48	3.55	56.07	56.25	56.20	0.52	0.93	2.56
TaoVA-100x	10	224.21	201.82	122.88	57.69	58.84	58.42	2.18	3.83	7.82
TCP Vegas	10	54.40	55.70	61.25	58.15	58.20	58.45	0.40	0.63	1.61
Verus	8	207.76	89.07	116.51	111.34	87.69	86.29	5.93	9.78	12.50
Indigo	10	178.66	165.01	139.29	56.93	56.97	57.06	3.65	5.83	12.51
Indigo-calib	10	177.34	166.39	135.34	60.35	60.23	60.44	4.43	6.39	15.78
Indigo-delay	10	152.49	133.85	94.99	56.23	56.17	55.92	0.85	1.20	3.64

Run 1: Statistics of TCP BBR

Start at: 2017-09-21 19:25:52
End at: 2017-09-21 19:26:22
Local clock offset: 0.191 ms
Remote clock offset: 23.419 ms

Below is generated by plot.py at 2017-09-22 02:23:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.65 Mbit/s
95th percentile per-packet one-way delay: 58.725 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 120.96 Mbit/s
95th percentile per-packet one-way delay: 56.981 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 116.29 Mbit/s
95th percentile per-packet one-way delay: 58.603 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 111.48 Mbit/s
95th percentile per-packet one-way delay: 58.882 ms
Loss rate: 0.79%

Run 1: Report of TCP BBR — Data Link

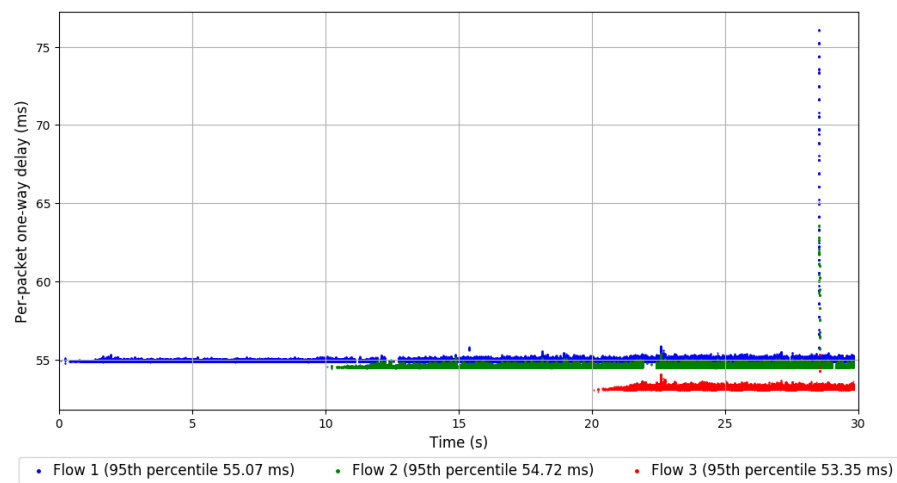
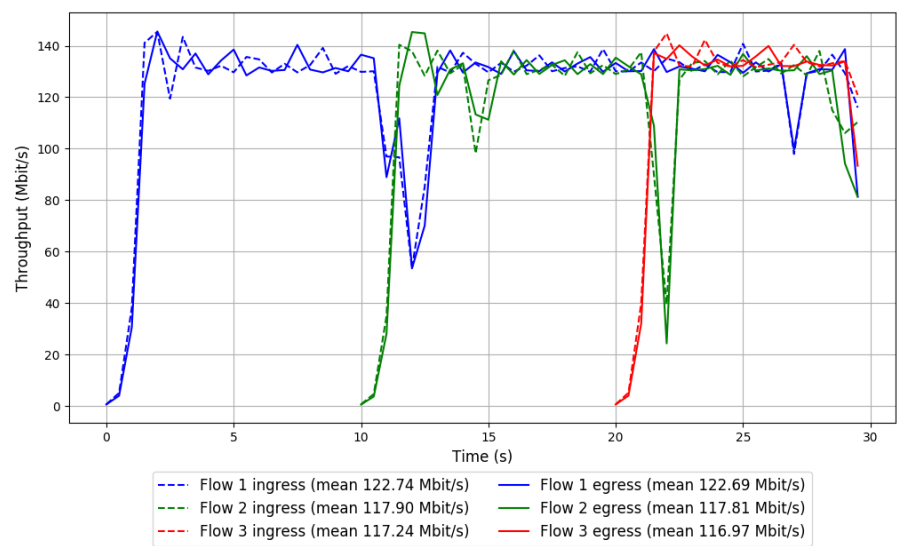


Run 2: Statistics of TCP BBR

Start at: 2017-09-21 19:46:28
End at: 2017-09-21 19:46:58
Local clock offset: 0.182 ms
Remote clock offset: 28.388 ms

Below is generated by plot.py at 2017-09-22 02:23:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.18 Mbit/s
95th percentile per-packet one-way delay: 55.031 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 122.69 Mbit/s
95th percentile per-packet one-way delay: 55.073 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 117.81 Mbit/s
95th percentile per-packet one-way delay: 54.719 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 116.97 Mbit/s
95th percentile per-packet one-way delay: 53.349 ms
Loss rate: 1.92%

Run 2: Report of TCP BBR — Data Link

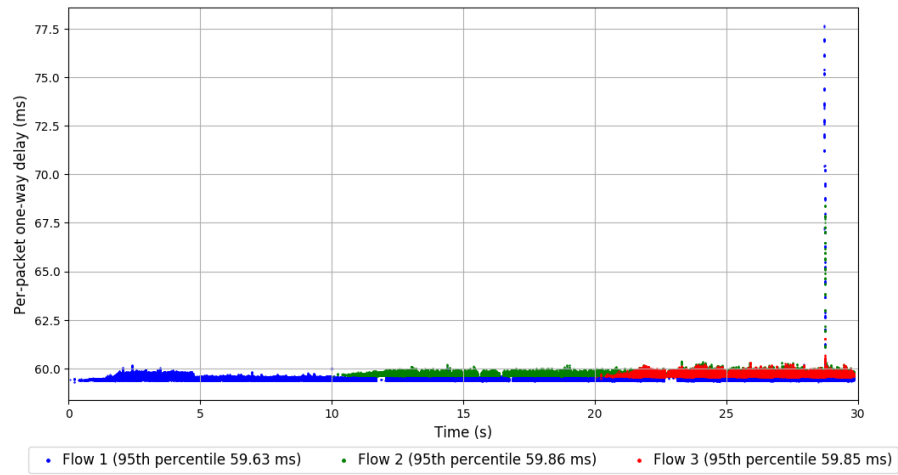
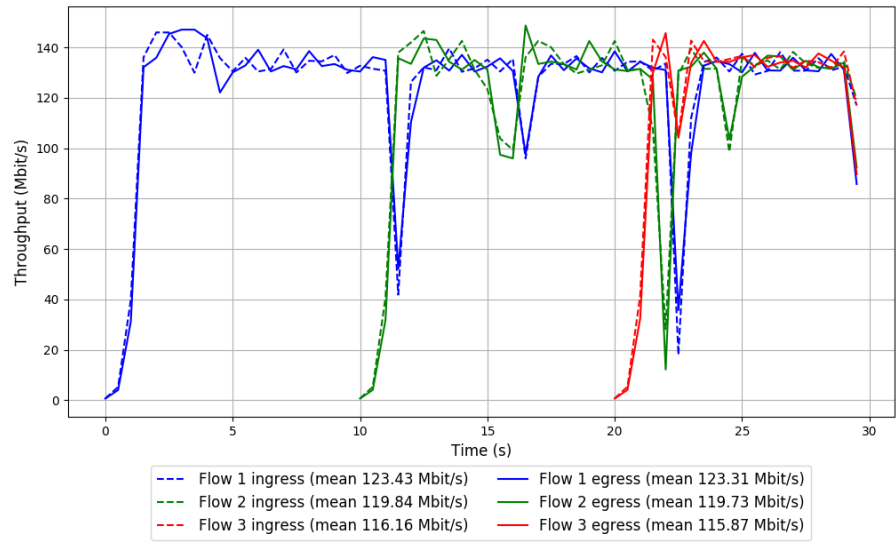


Run 3: Statistics of TCP BBR

Start at: 2017-09-21 20:06:53
End at: 2017-09-21 20:07:23
Local clock offset: 0.146 ms
Remote clock offset: 22.049 ms

Below is generated by plot.py at 2017-09-22 02:23:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.81 Mbit/s
95th percentile per-packet one-way delay: 59.814 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 123.31 Mbit/s
95th percentile per-packet one-way delay: 59.631 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 119.73 Mbit/s
95th percentile per-packet one-way delay: 59.861 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 115.87 Mbit/s
95th percentile per-packet one-way delay: 59.855 ms
Loss rate: 1.98%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-09-21 20:27:24

End at: 2017-09-21 20:27:54

Local clock offset: 0.146 ms

Remote clock offset: 26.59 ms

Below is generated by plot.py at 2017-09-22 02:23:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.08 Mbit/s

95th percentile per-packet one-way delay: 55.016 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 124.36 Mbit/s

95th percentile per-packet one-way delay: 54.623 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 119.03 Mbit/s

95th percentile per-packet one-way delay: 55.079 ms

Loss rate: 0.93%

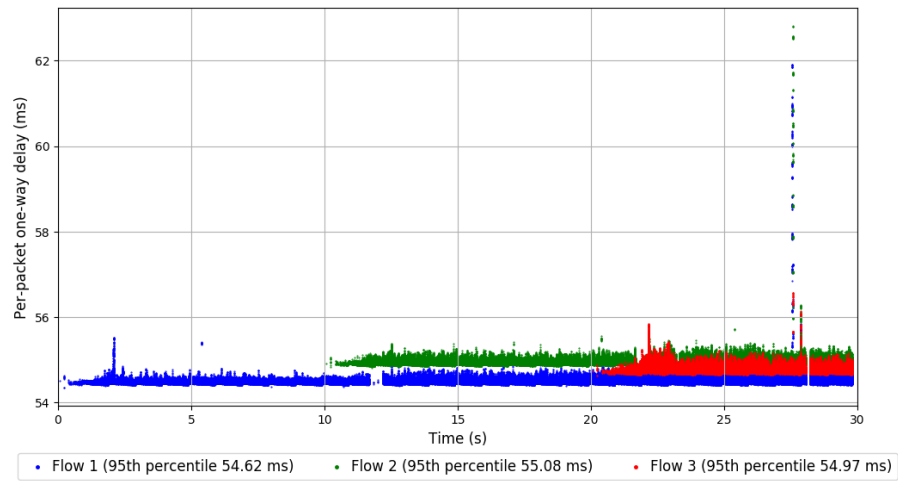
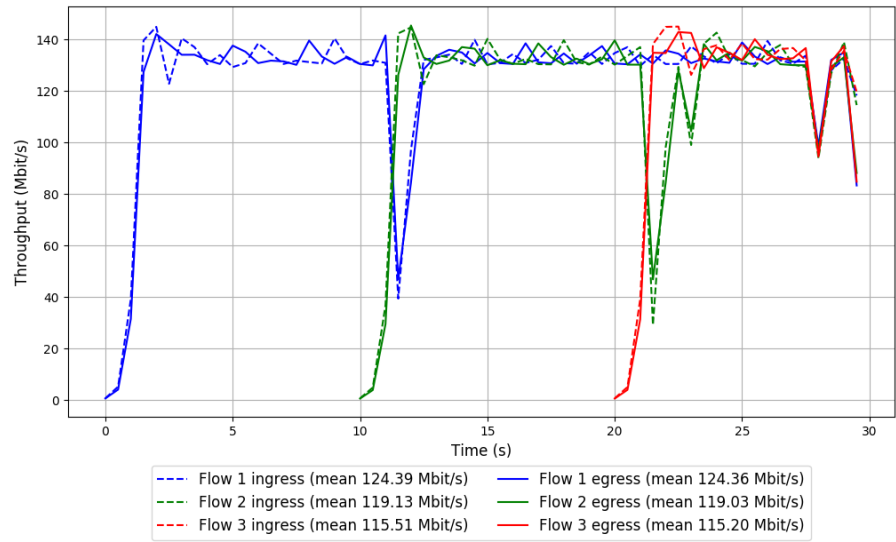
-- Flow 3:

Average throughput: 115.20 Mbit/s

95th percentile per-packet one-way delay: 54.965 ms

Loss rate: 1.96%

Run 4: Report of TCP BBR — Data Link

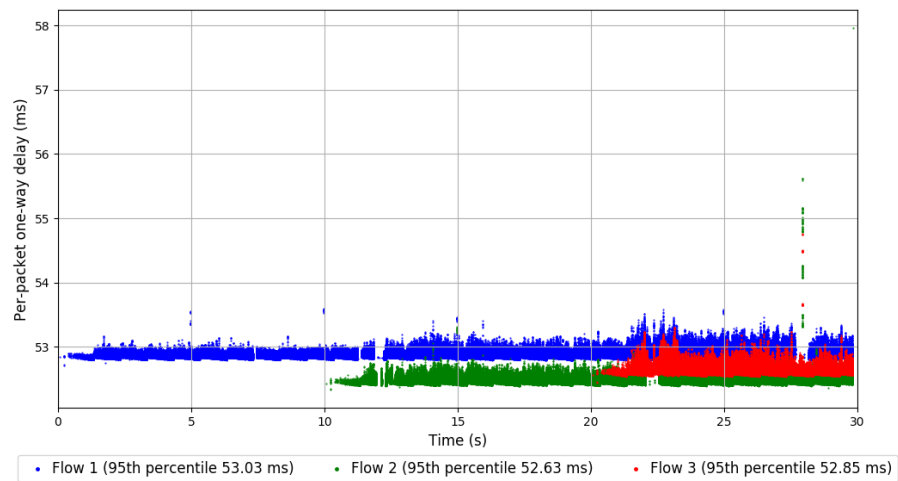
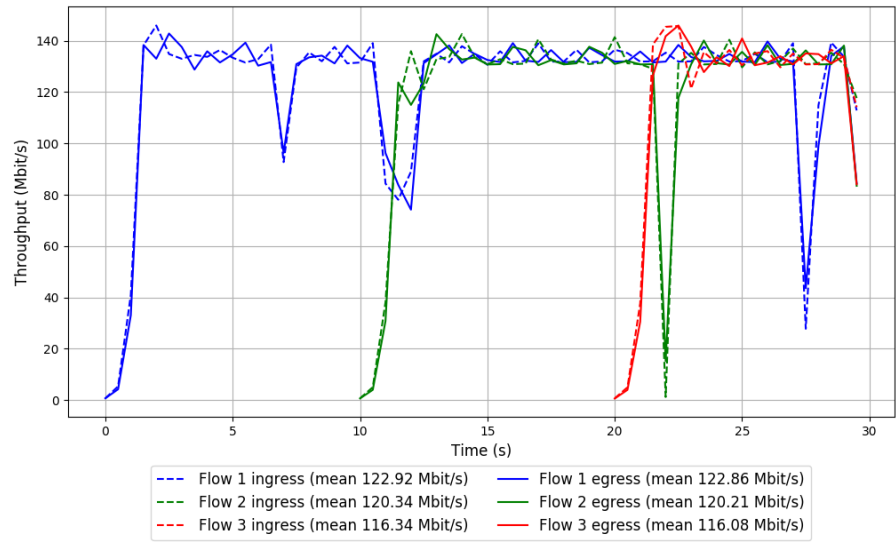


Run 5: Statistics of TCP BBR

Start at: 2017-09-21 20:48:03
End at: 2017-09-21 20:48:33
Local clock offset: 0.133 ms
Remote clock offset: 28.767 ms

Below is generated by plot.py at 2017-09-22 02:23:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.66 Mbit/s
95th percentile per-packet one-way delay: 52.988 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 122.86 Mbit/s
95th percentile per-packet one-way delay: 53.031 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 120.21 Mbit/s
95th percentile per-packet one-way delay: 52.634 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 116.08 Mbit/s
95th percentile per-packet one-way delay: 52.850 ms
Loss rate: 1.91%

Run 5: Report of TCP BBR — Data Link

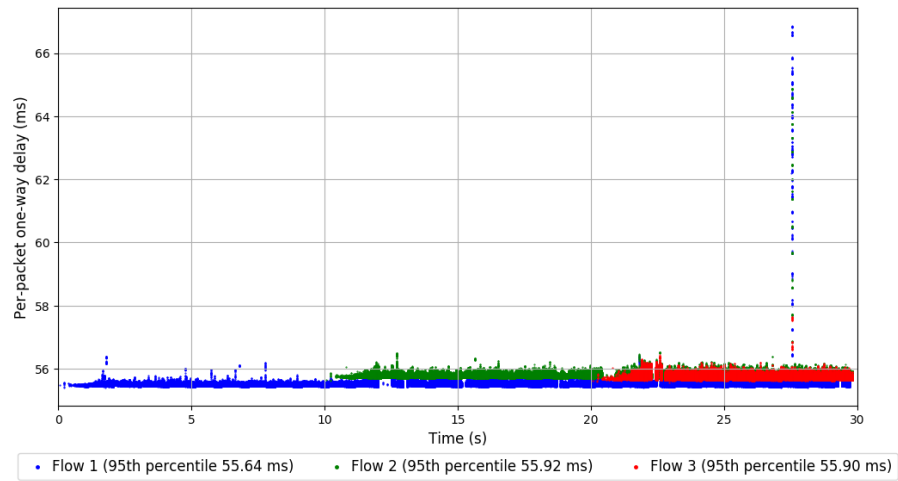
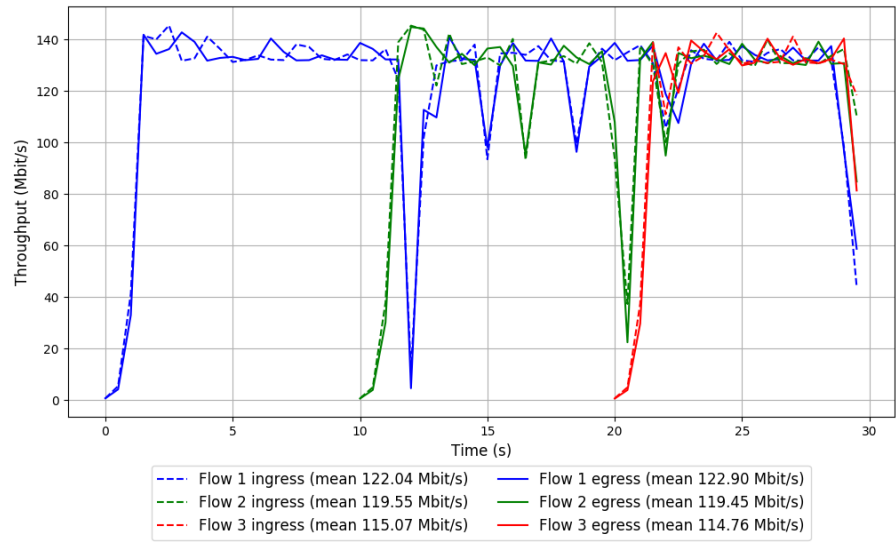


Run 6: Statistics of TCP BBR

Start at: 2017-09-21 21:08:48
End at: 2017-09-21 21:09:18
Local clock offset: 0.108 ms
Remote clock offset: 25.271 ms

Below is generated by plot.py at 2017-09-22 02:23:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.37 Mbit/s
95th percentile per-packet one-way delay: 55.874 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 122.90 Mbit/s
95th percentile per-packet one-way delay: 55.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.45 Mbit/s
95th percentile per-packet one-way delay: 55.925 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 114.76 Mbit/s
95th percentile per-packet one-way delay: 55.904 ms
Loss rate: 1.95%

Run 6: Report of TCP BBR — Data Link

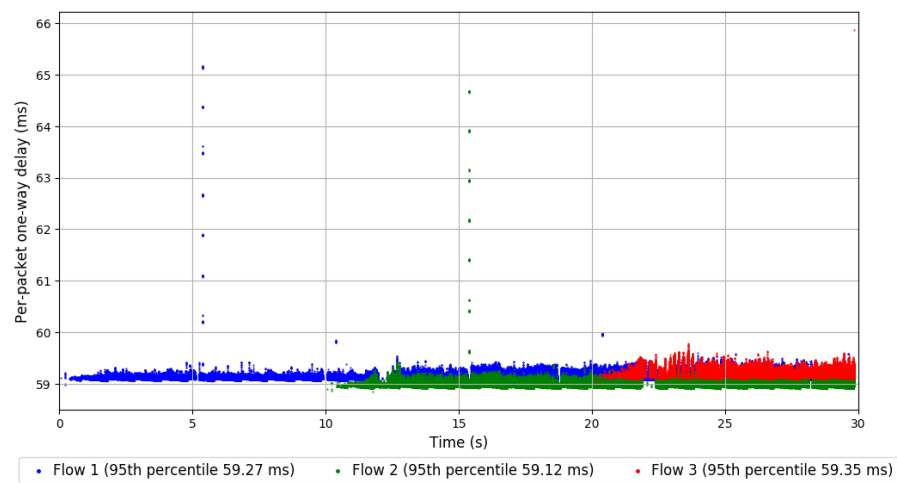
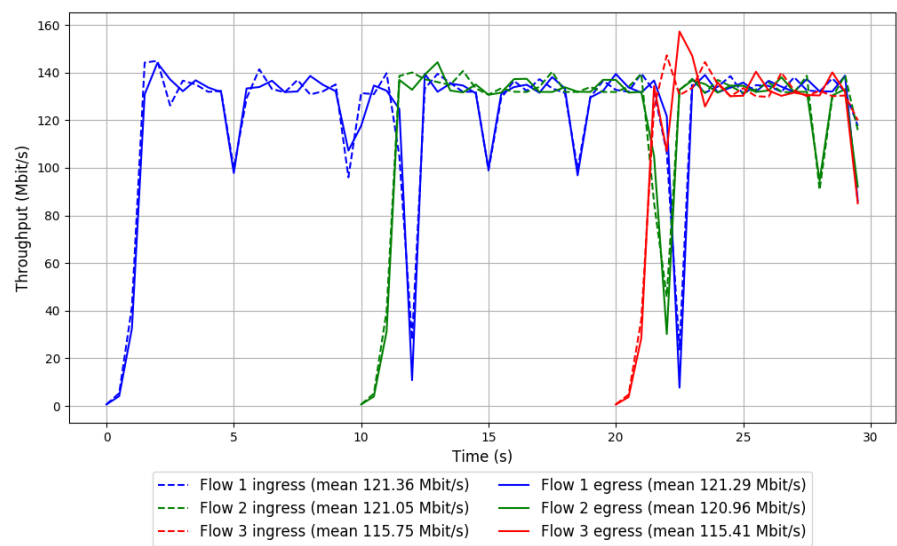


Run 7: Statistics of TCP BBR

Start at: 2017-09-21 21:29:25
End at: 2017-09-21 21:29:55
Local clock offset: 0.062 ms
Remote clock offset: 21.696 ms

Below is generated by plot.py at 2017-09-22 02:23:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.37 Mbit/s
95th percentile per-packet one-way delay: 59.277 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 121.29 Mbit/s
95th percentile per-packet one-way delay: 59.274 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 120.96 Mbit/s
95th percentile per-packet one-way delay: 59.123 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 115.41 Mbit/s
95th percentile per-packet one-way delay: 59.353 ms
Loss rate: 1.91%

Run 7: Report of TCP BBR — Data Link

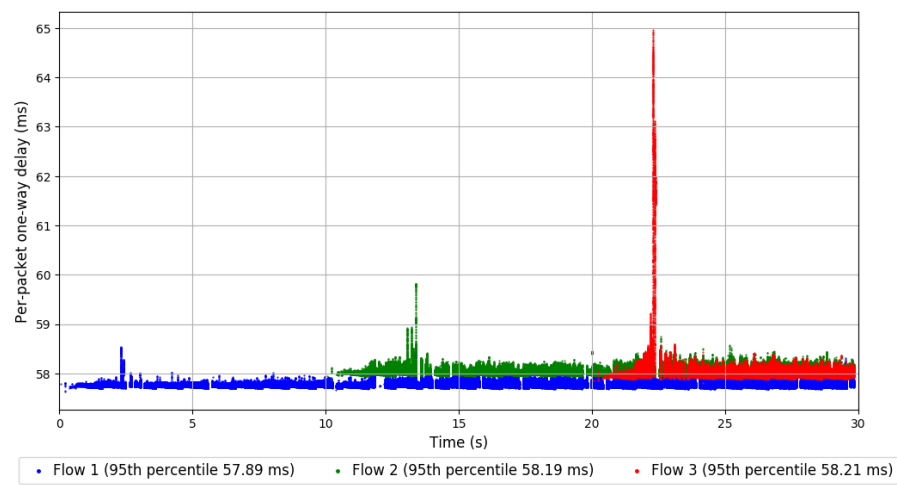
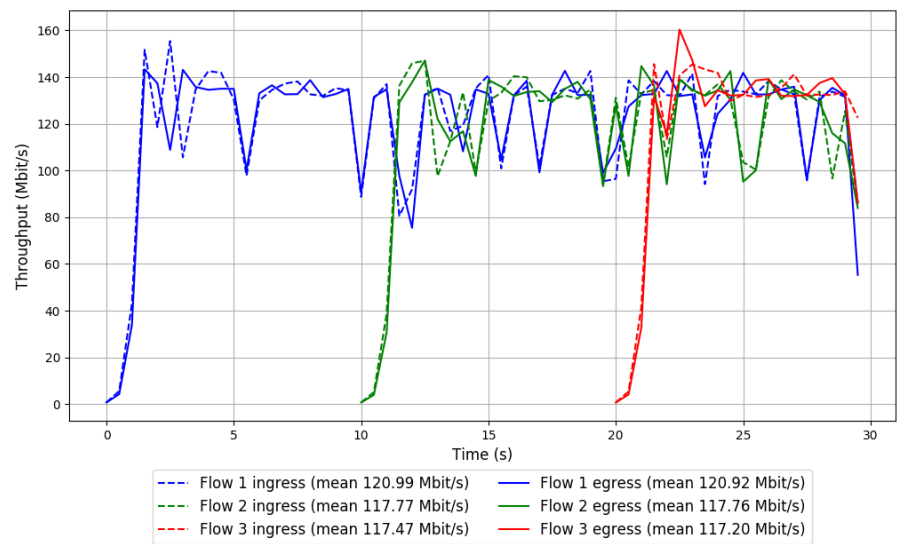


Run 8: Statistics of TCP BBR

Start at: 2017-09-21 21:49:56
End at: 2017-09-21 21:50:26
Local clock offset: -0.005 ms
Remote clock offset: 22.089 ms

Below is generated by plot.py at 2017-09-22 02:23:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.53 Mbit/s
95th percentile per-packet one-way delay: 58.144 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 120.92 Mbit/s
95th percentile per-packet one-way delay: 57.892 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 117.76 Mbit/s
95th percentile per-packet one-way delay: 58.187 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 117.20 Mbit/s
95th percentile per-packet one-way delay: 58.210 ms
Loss rate: 1.93%

Run 8: Report of TCP BBR — Data Link

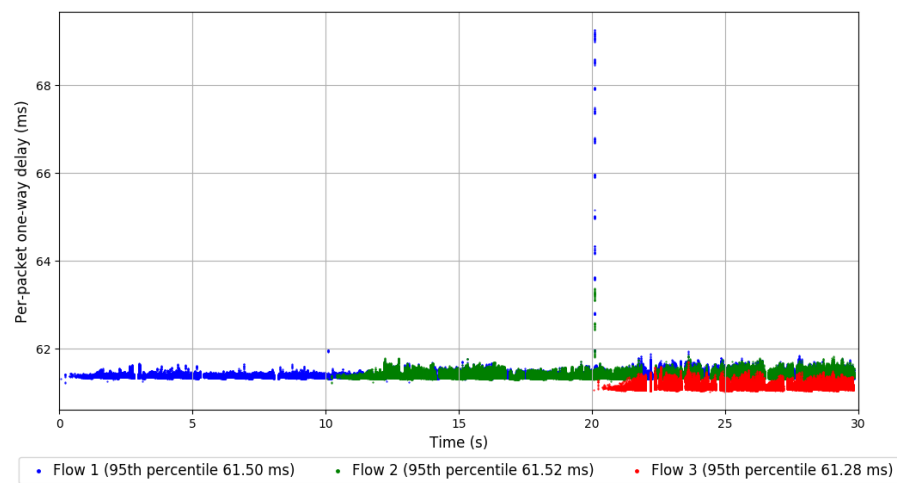
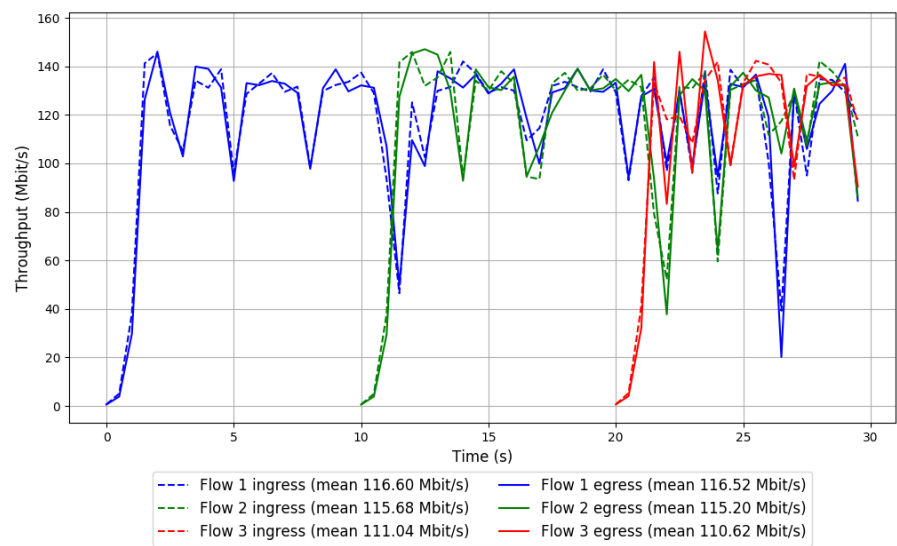


Run 9: Statistics of TCP BBR

Start at: 2017-09-21 22:11:11
End at: 2017-09-21 22:11:41
Local clock offset: 0.013 ms
Remote clock offset: 18.612 ms

Below is generated by plot.py at 2017-09-22 02:27:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 229.19 Mbit/s
95th percentile per-packet one-way delay: 61.504 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 116.52 Mbit/s
95th percentile per-packet one-way delay: 61.500 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 115.20 Mbit/s
95th percentile per-packet one-way delay: 61.525 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 110.62 Mbit/s
95th percentile per-packet one-way delay: 61.284 ms
Loss rate: 2.13%

Run 9: Report of TCP BBR — Data Link

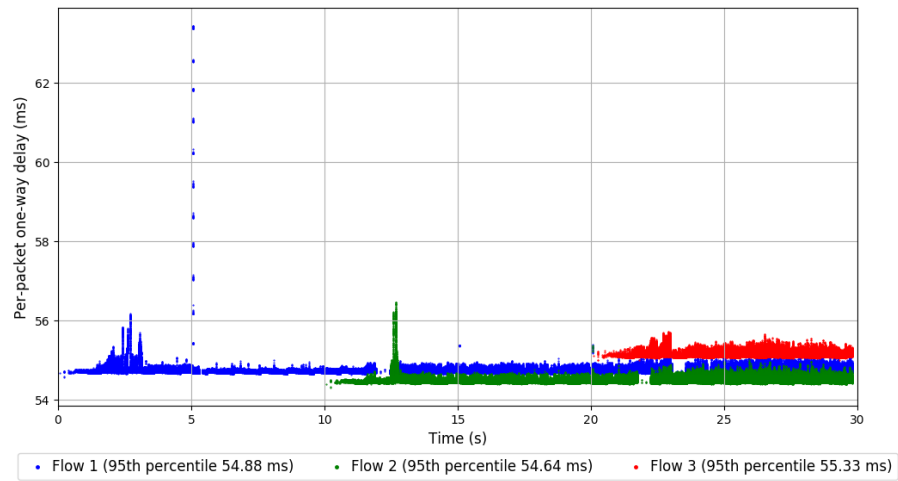
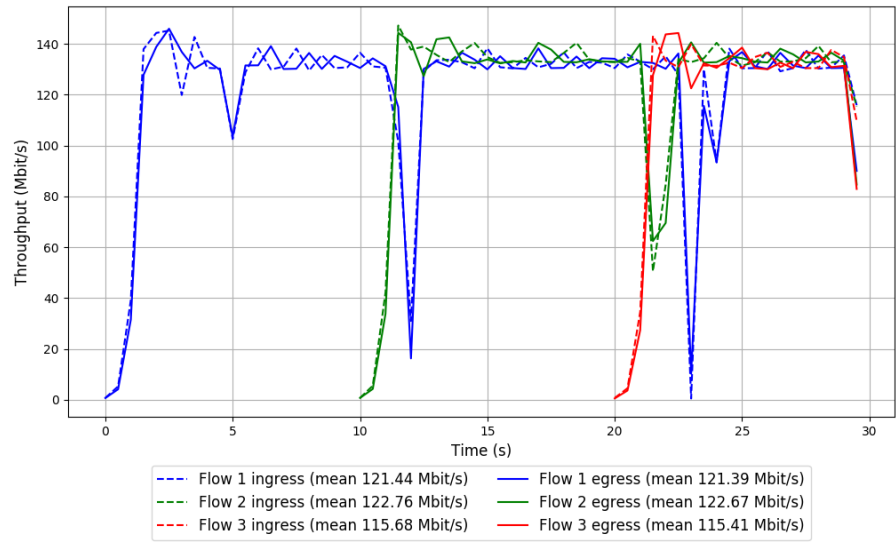


Run 10: Statistics of TCP BBR

Start at: 2017-09-21 22:32:07
End at: 2017-09-21 22:32:37
Local clock offset: 0.037 ms
Remote clock offset: 24.453 ms

Below is generated by plot.py at 2017-09-22 02:27:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.56 Mbit/s
95th percentile per-packet one-way delay: 55.202 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 121.39 Mbit/s
95th percentile per-packet one-way delay: 54.882 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 122.67 Mbit/s
95th percentile per-packet one-way delay: 54.643 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 115.41 Mbit/s
95th percentile per-packet one-way delay: 55.327 ms
Loss rate: 1.93%

Run 10: Report of TCP BBR — Data Link

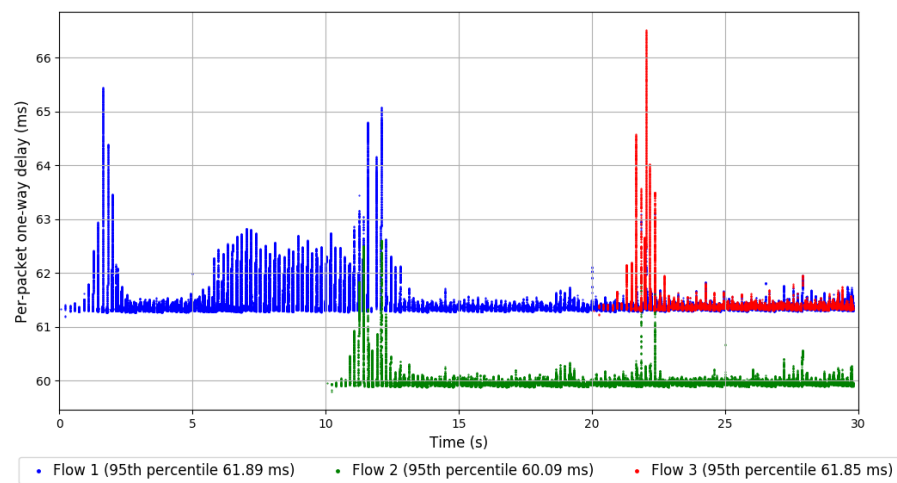
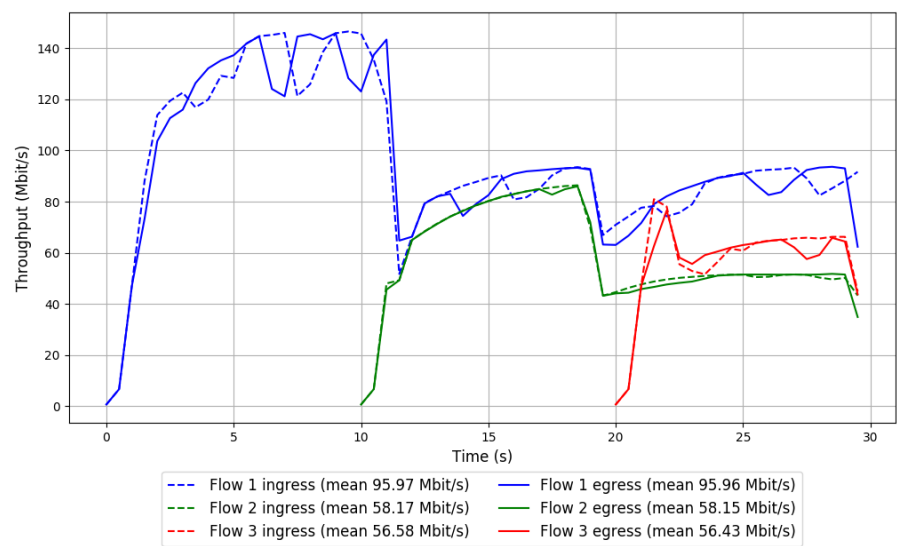


Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 19:32:02
End at: 2017-09-21 19:32:32
Local clock offset: 0.155 ms
Remote clock offset: 20.794 ms

Below is generated by plot.py at 2017-09-22 02:27:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.99 Mbit/s
95th percentile per-packet one-way delay: 61.721 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 61.893 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 58.15 Mbit/s
95th percentile per-packet one-way delay: 60.087 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 61.850 ms
Loss rate: 1.98%

Run 1: Report of TCP Cubic — Data Link

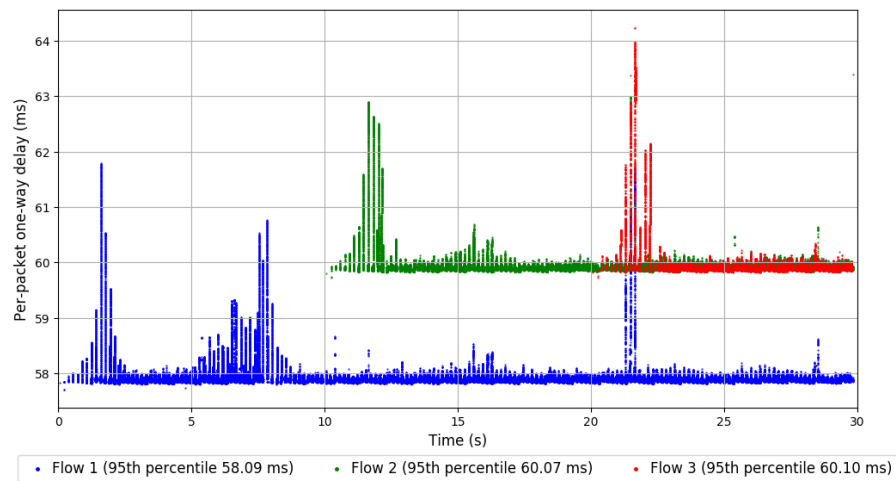
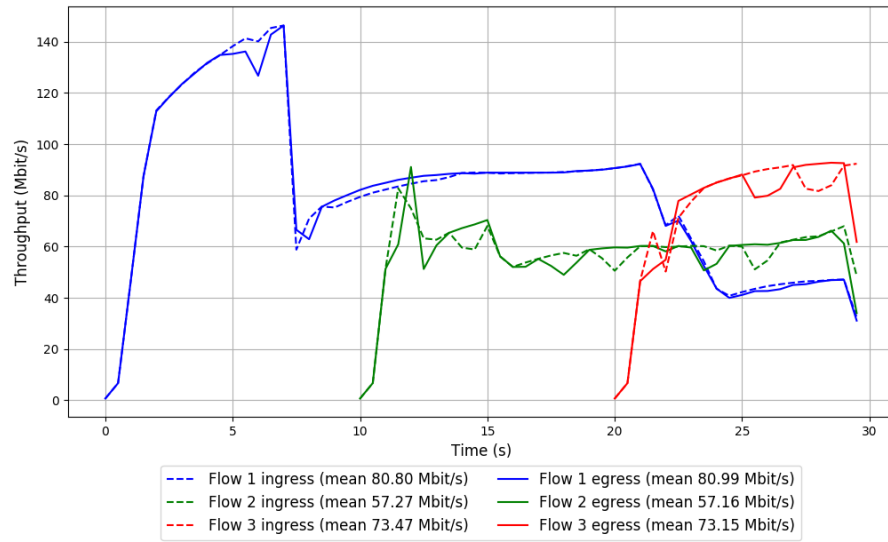


Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 19:52:26
End at: 2017-09-21 19:52:56
Local clock offset: 0.098 ms
Remote clock offset: 23.589 ms

Below is generated by plot.py at 2017-09-22 02:27:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.83 Mbit/s
95th percentile per-packet one-way delay: 59.971 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 80.99 Mbit/s
95th percentile per-packet one-way delay: 58.085 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 60.067 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: 60.102 ms
Loss rate: 2.16%

Run 2: Report of TCP Cubic — Data Link

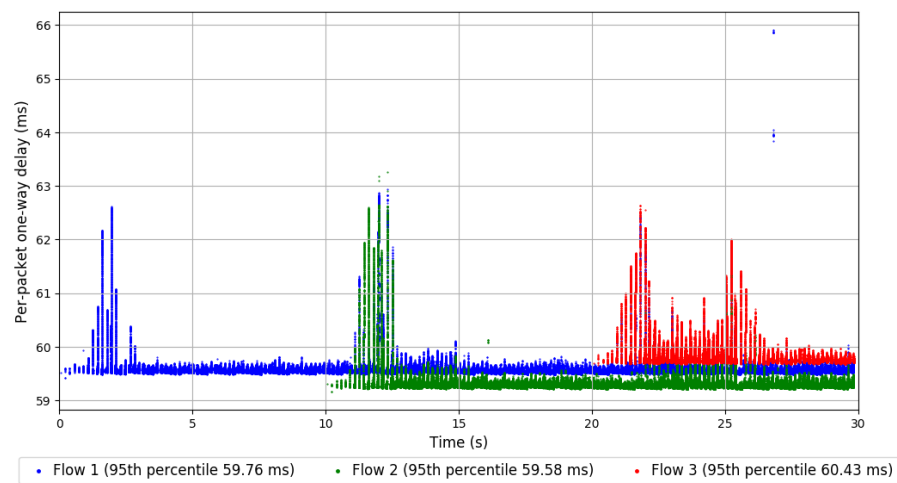
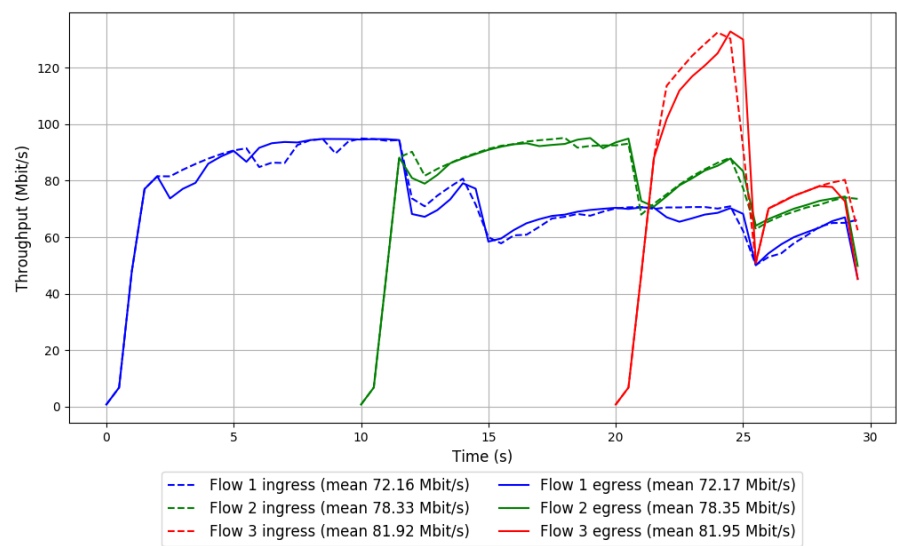


Run 3: Statistics of TCP Cubic

Start at: 2017-09-21 20:12:49
End at: 2017-09-21 20:13:19
Local clock offset: 0.141 ms
Remote clock offset: 22.108 ms

Below is generated by plot.py at 2017-09-22 02:27:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.96 Mbit/s
95th percentile per-packet one-way delay: 59.964 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 72.17 Mbit/s
95th percentile per-packet one-way delay: 59.757 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 78.35 Mbit/s
95th percentile per-packet one-way delay: 59.582 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 81.95 Mbit/s
95th percentile per-packet one-way delay: 60.429 ms
Loss rate: 1.67%

Run 3: Report of TCP Cubic — Data Link

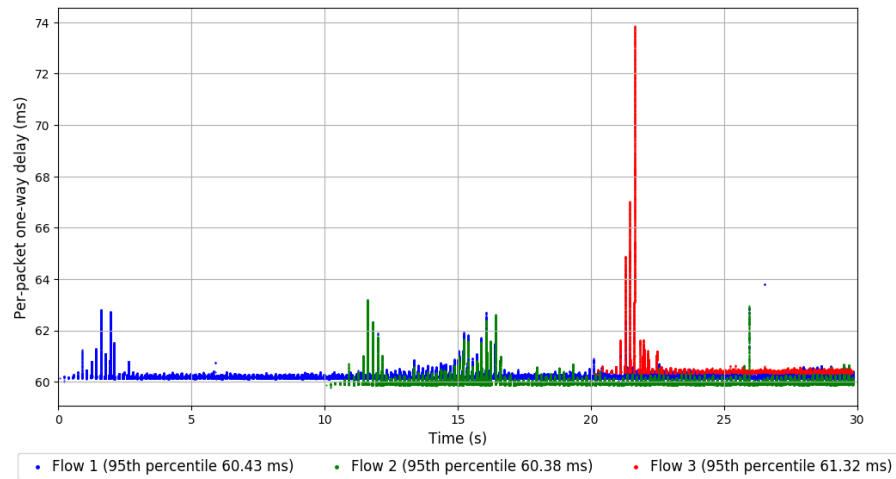
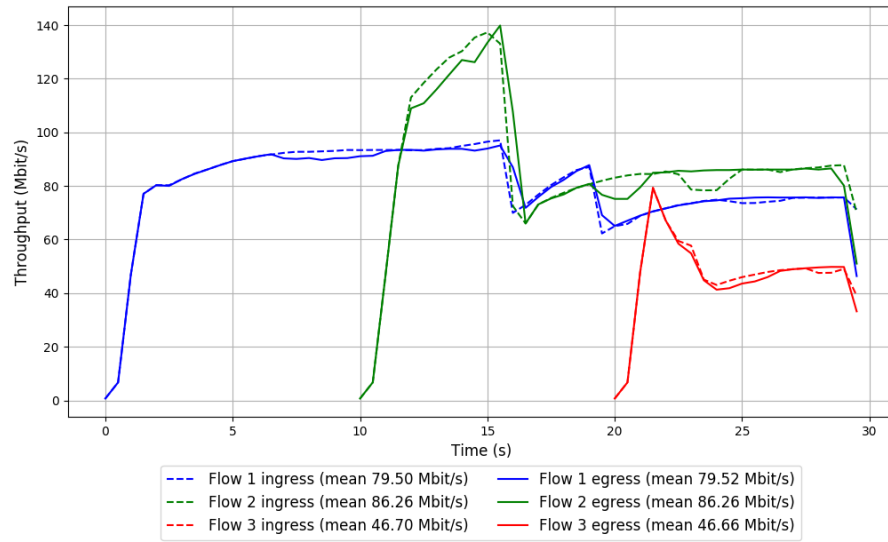


Run 4: Statistics of TCP Cubic

Start at: 2017-09-21 20:33:24
End at: 2017-09-21 20:33:54
Local clock offset: 0.073 ms
Remote clock offset: 21.212 ms

Below is generated by plot.py at 2017-09-22 02:27:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.01 Mbit/s
95th percentile per-packet one-way delay: 60.475 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 79.52 Mbit/s
95th percentile per-packet one-way delay: 60.433 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 60.377 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 61.317 ms
Loss rate: 1.81%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-09-21 20:54:14

End at: 2017-09-21 20:54:44

Local clock offset: 0.107 ms

Remote clock offset: 24.72 ms

Below is generated by plot.py at 2017-09-22 02:27:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.27 Mbit/s

95th percentile per-packet one-way delay: 57.128 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 76.10 Mbit/s

95th percentile per-packet one-way delay: 57.130 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 56.726 ms

Loss rate: 1.02%

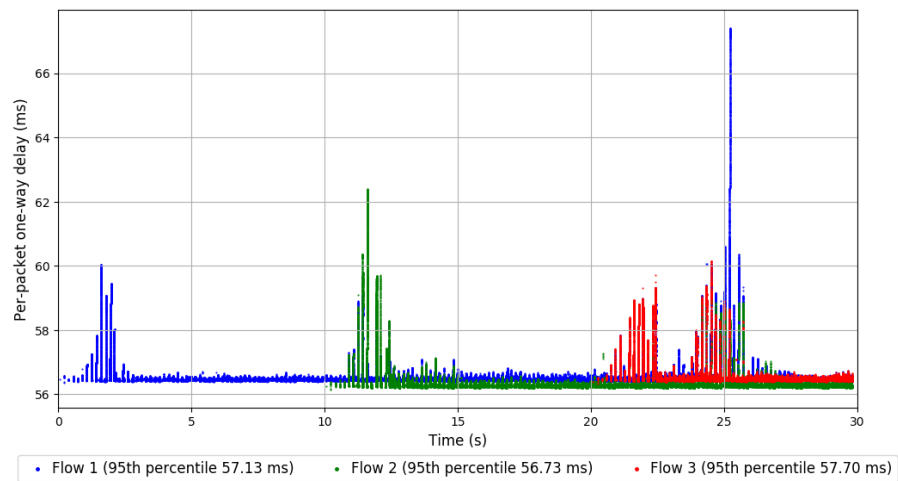
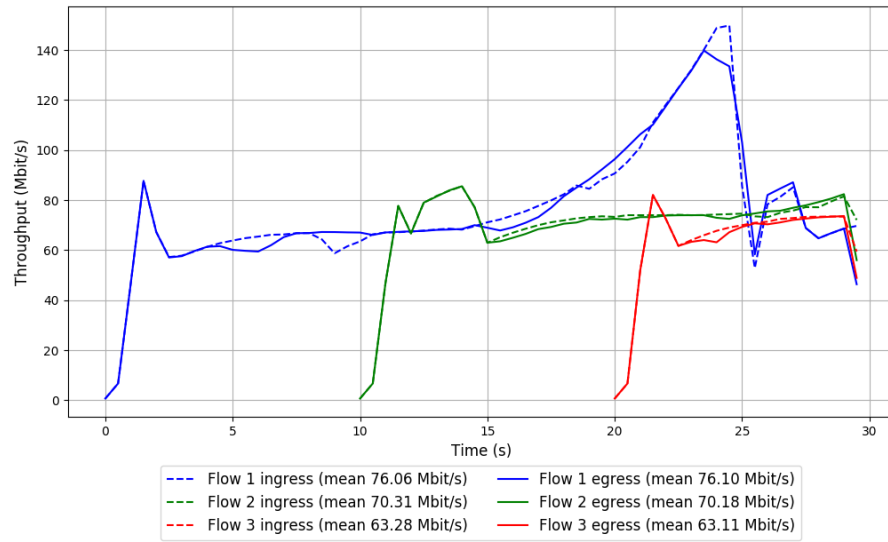
-- Flow 3:

Average throughput: 63.11 Mbit/s

95th percentile per-packet one-way delay: 57.699 ms

Loss rate: 1.95%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-09-21 21:15:01

End at: 2017-09-21 21:15:31

Local clock offset: 0.097 ms

Remote clock offset: 21.72 ms

Below is generated by plot.py at 2017-09-22 02:27:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 151.45 Mbit/s

95th percentile per-packet one-way delay: 59.444 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 74.00 Mbit/s

95th percentile per-packet one-way delay: 59.437 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 59.433 ms

Loss rate: 1.11%

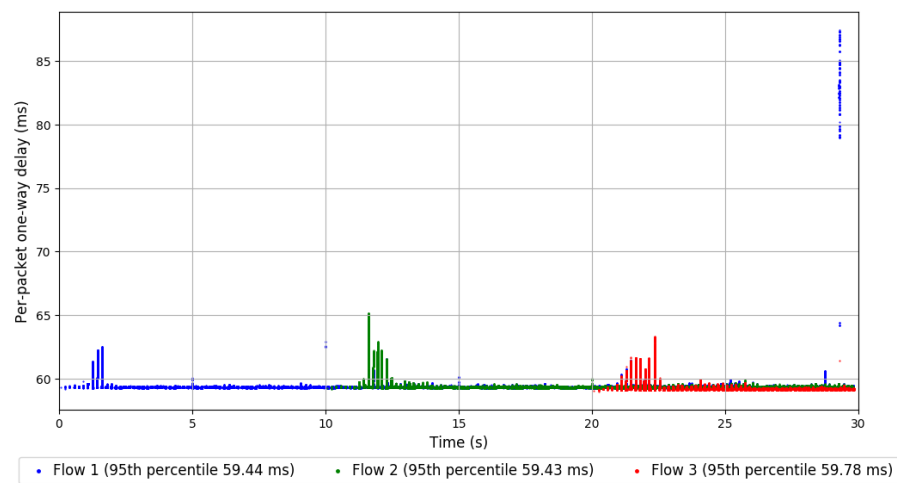
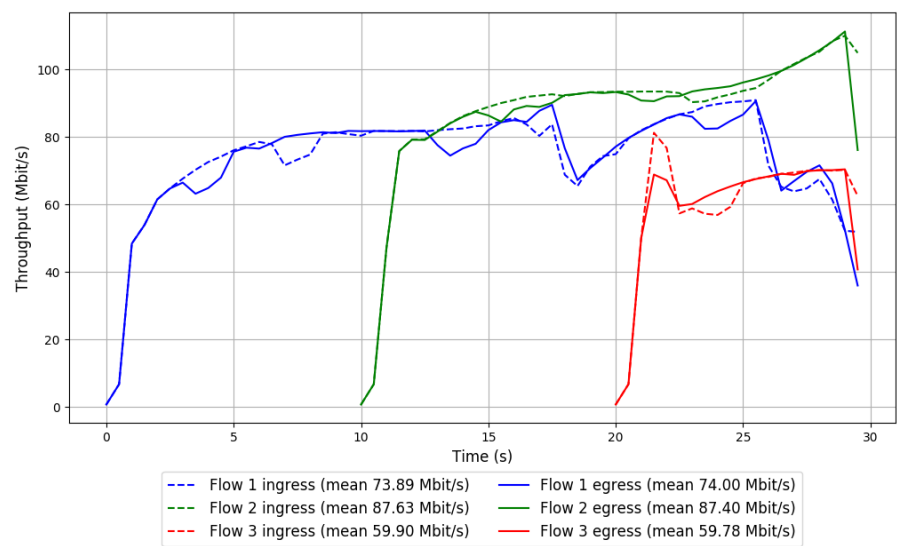
-- Flow 3:

Average throughput: 59.78 Mbit/s

95th percentile per-packet one-way delay: 59.785 ms

Loss rate: 1.89%

Run 6: Report of TCP Cubic — Data Link

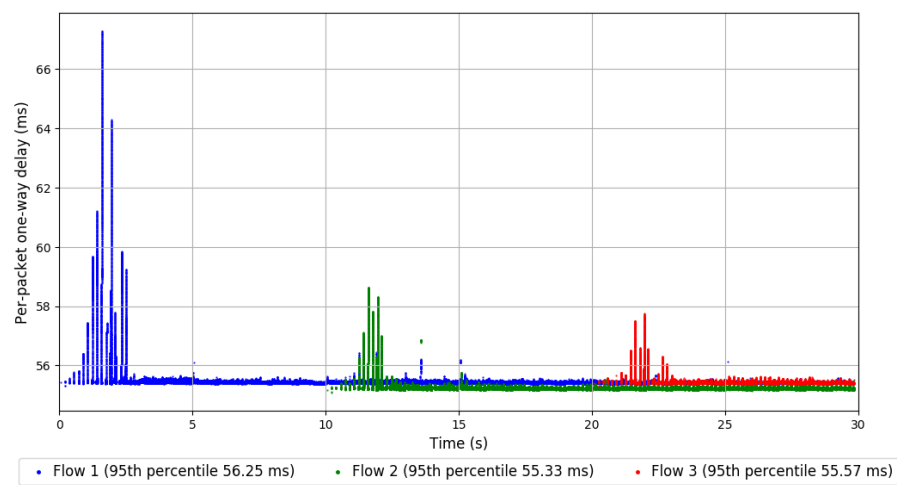
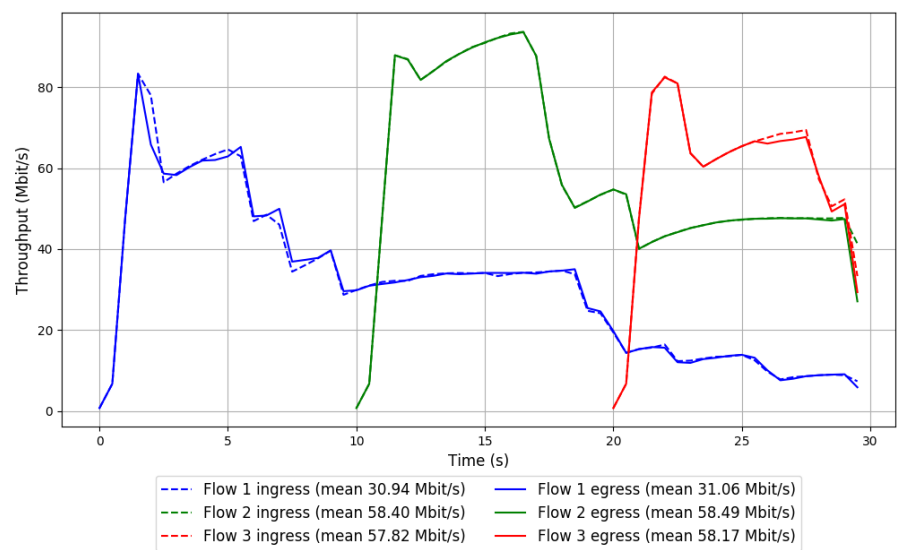


Run 7: Statistics of TCP Cubic

Start at: 2017-09-21 21:35:19
End at: 2017-09-21 21:35:49
Local clock offset: 0.061 ms
Remote clock offset: 25.116 ms

Below is generated by plot.py at 2017-09-22 02:27:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 55.545 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 56.246 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 55.326 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 55.571 ms
Loss rate: 1.10%

Run 7: Report of TCP Cubic — Data Link

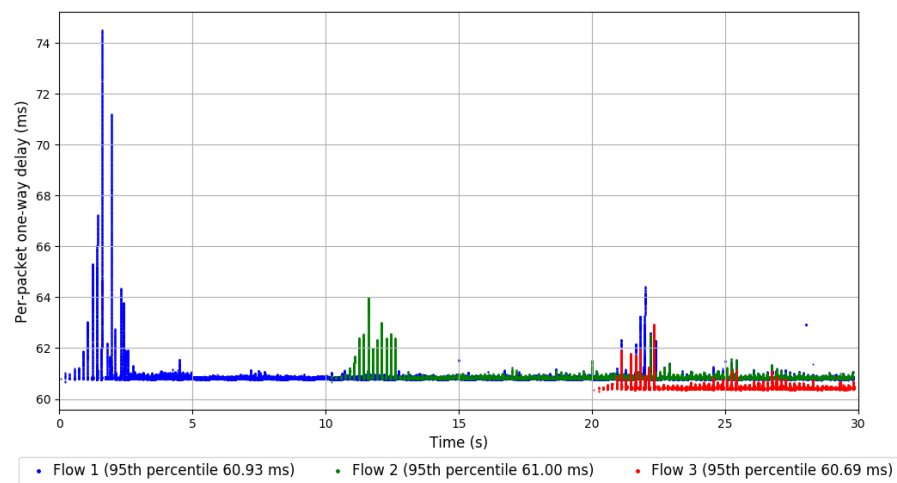
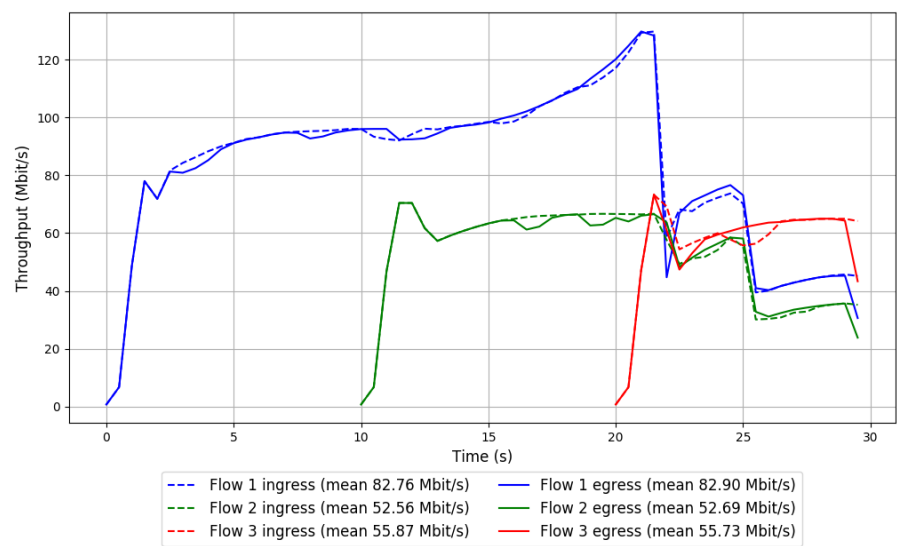


Run 8: Statistics of TCP Cubic

Start at: 2017-09-21 21:56:07
End at: 2017-09-21 21:56:37
Local clock offset: 0.048 ms
Remote clock offset: 19.567 ms

Below is generated by plot.py at 2017-09-22 02:28:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.04 Mbit/s
95th percentile per-packet one-way delay: 60.939 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 82.90 Mbit/s
95th percentile per-packet one-way delay: 60.933 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 52.69 Mbit/s
95th percentile per-packet one-way delay: 61.004 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 60.687 ms
Loss rate: 1.95%

Run 8: Report of TCP Cubic — Data Link

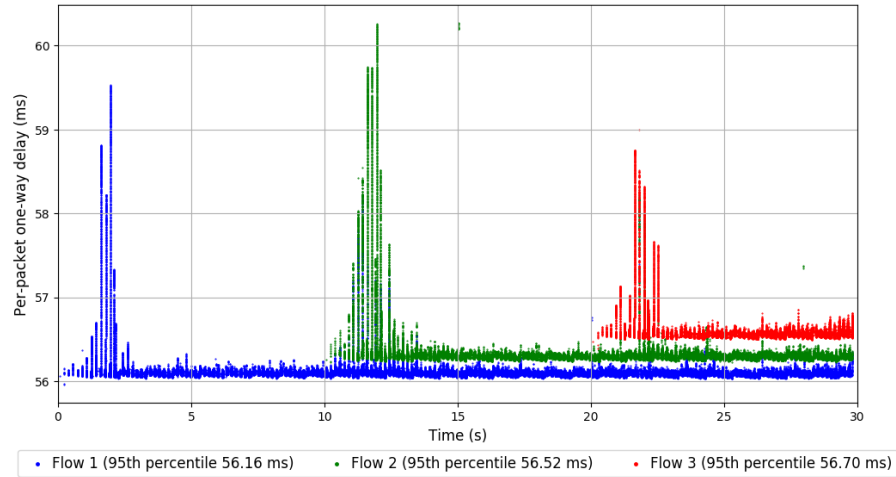
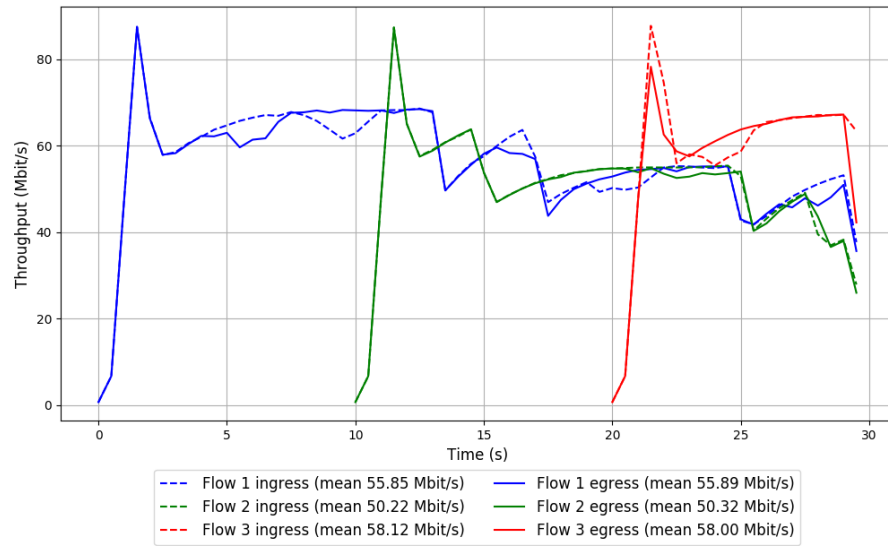


Run 9: Statistics of TCP Cubic

Start at: 2017-09-21 22:17:33
End at: 2017-09-21 22:18:03
Local clock offset: 0.131 ms
Remote clock offset: 23.406 ms

Below is generated by plot.py at 2017-09-22 02:28:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.25 Mbit/s
95th percentile per-packet one-way delay: 56.599 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 56.161 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 56.517 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 58.00 Mbit/s
95th percentile per-packet one-way delay: 56.705 ms
Loss rate: 1.90%

Run 9: Report of TCP Cubic — Data Link

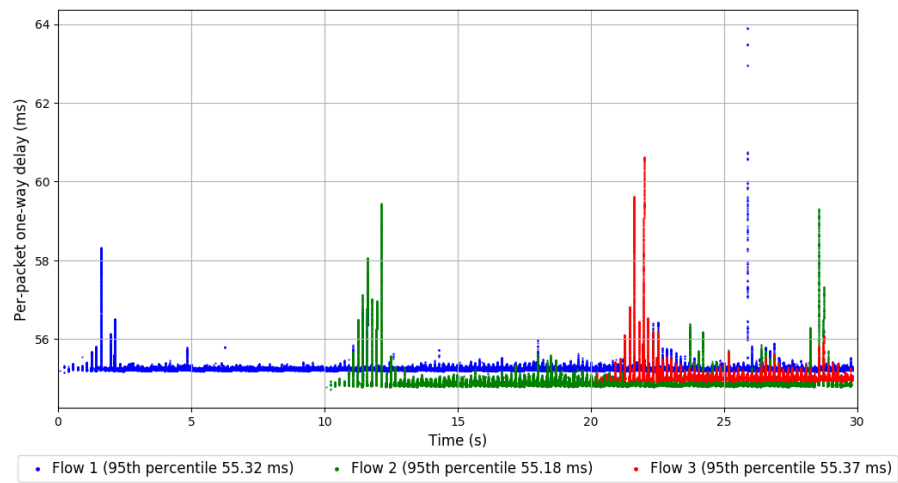
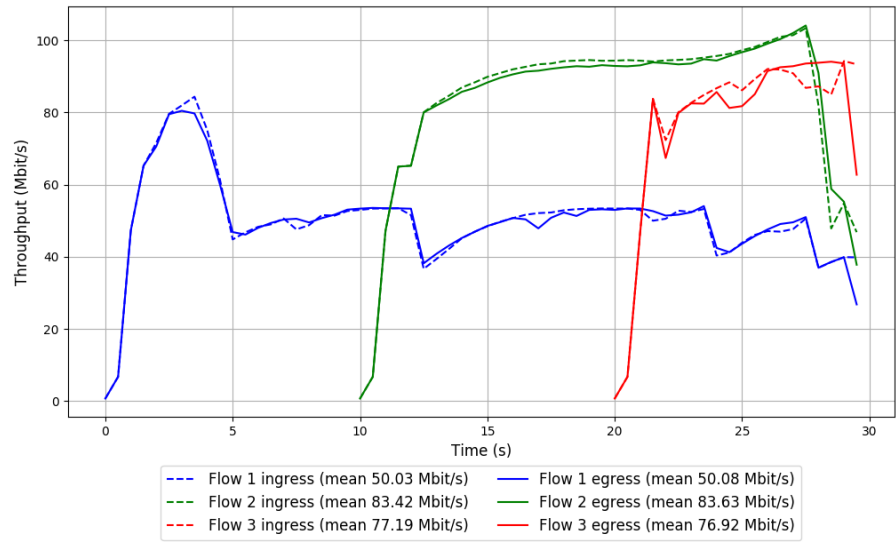


Run 10: Statistics of TCP Cubic

Start at: 2017-09-21 22:38:06
End at: 2017-09-21 22:38:36
Local clock offset: 0.094 ms
Remote clock offset: 24.313 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.64 Mbit/s
95th percentile per-packet one-way delay: 55.311 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 55.323 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 55.176 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 55.370 ms
Loss rate: 2.05%

Run 10: Report of TCP Cubic — Data Link

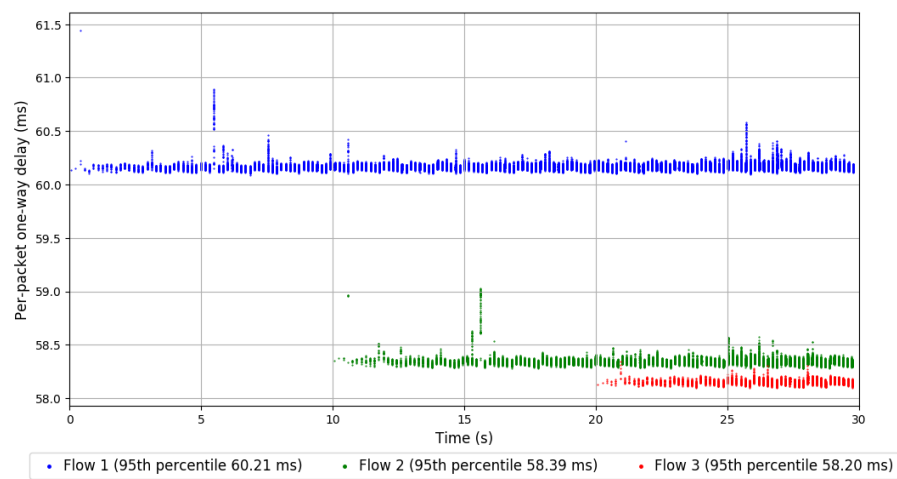
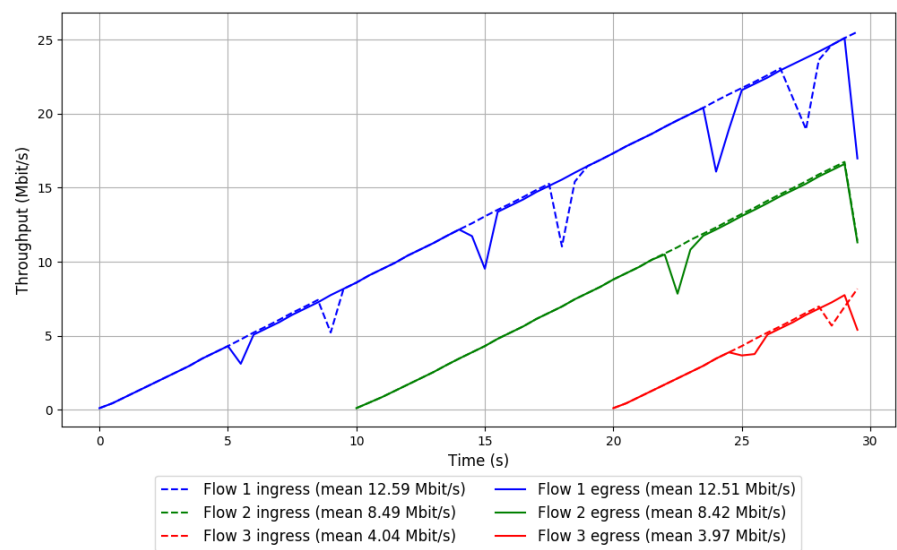


Run 1: Statistics of LEDBAT

Start at: 2017-09-21 19:22:51
End at: 2017-09-21 19:23:21
Local clock offset: 0.182 ms
Remote clock offset: 21.945 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 60.204 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 60.211 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 58.392 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 58.195 ms
Loss rate: 3.48%

Run 1: Report of LEDBAT — Data Link

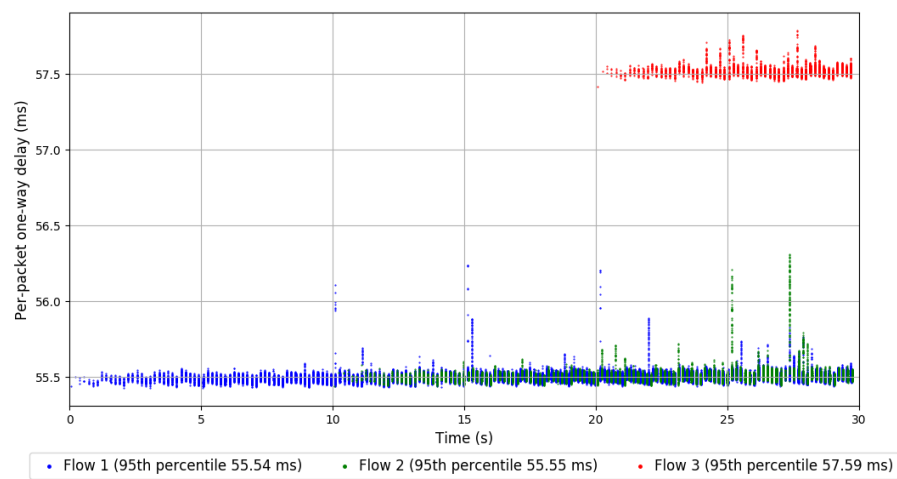
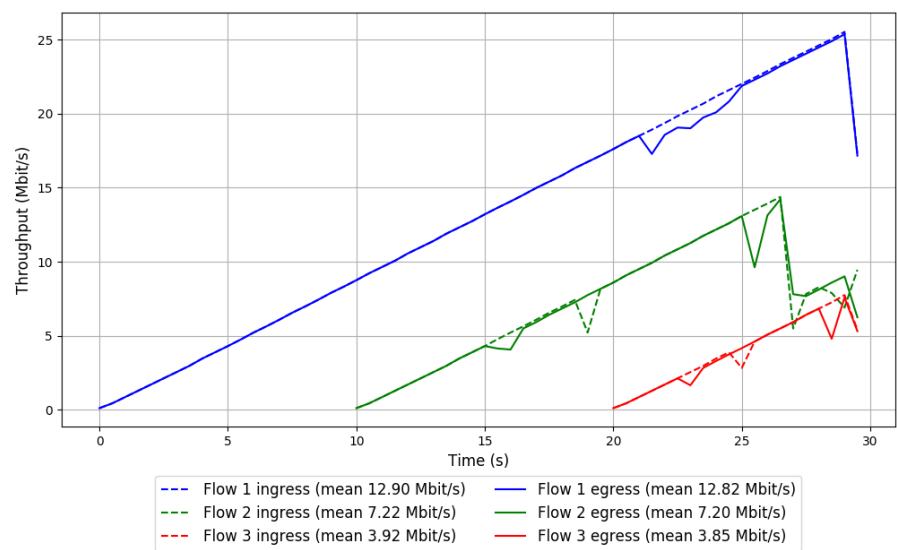


Run 2: Statistics of LEDBAT

Start at: 2017-09-21 19:43:33
End at: 2017-09-21 19:44:03
Local clock offset: 0.191 ms
Remote clock offset: 25.664 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.83 Mbit/s
95th percentile per-packet one-way delay: 57.499 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 55.540 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 55.552 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 57.592 ms
Loss rate: 3.55%

Run 2: Report of LEDBAT — Data Link

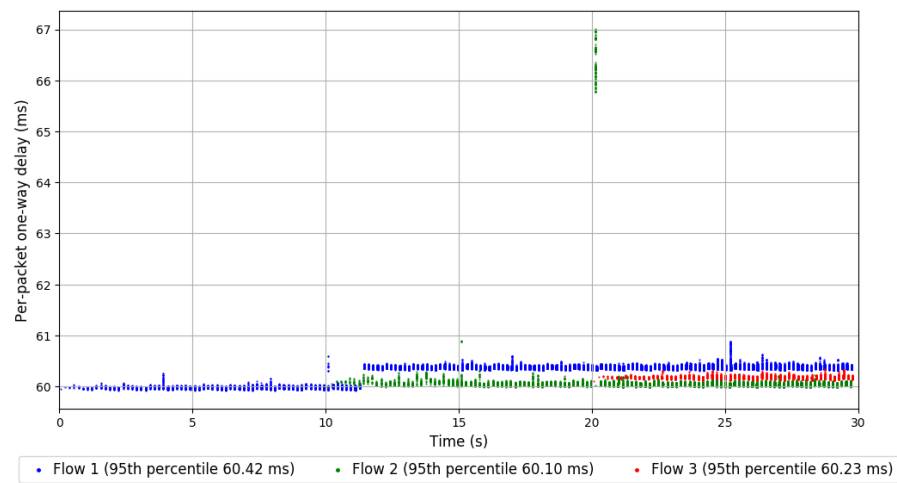
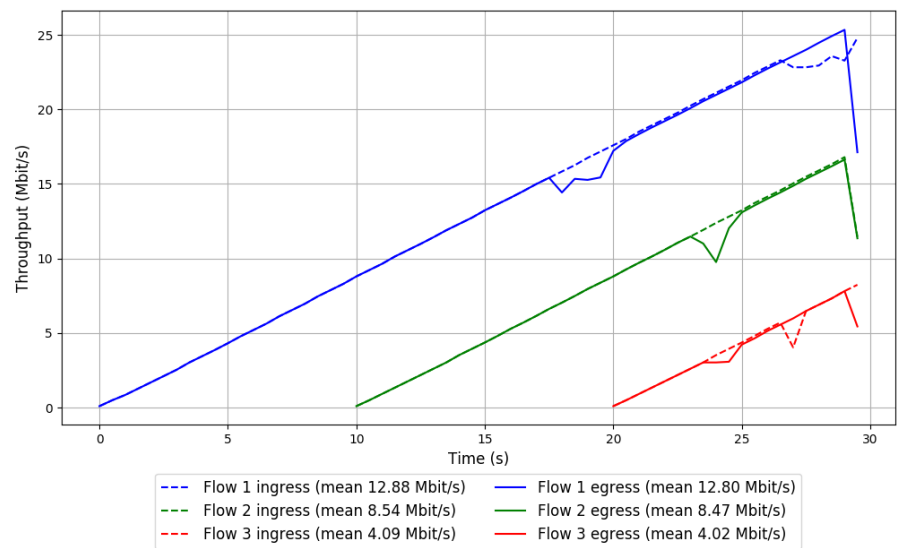


Run 3: Statistics of LEDBAT

Start at: 2017-09-21 20:03:57
End at: 2017-09-21 20:04:27
Local clock offset: 0.177 ms
Remote clock offset: 21.507 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 60.412 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 60.418 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 60.104 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 60.227 ms
Loss rate: 3.46%

Run 3: Report of LEDBAT — Data Link

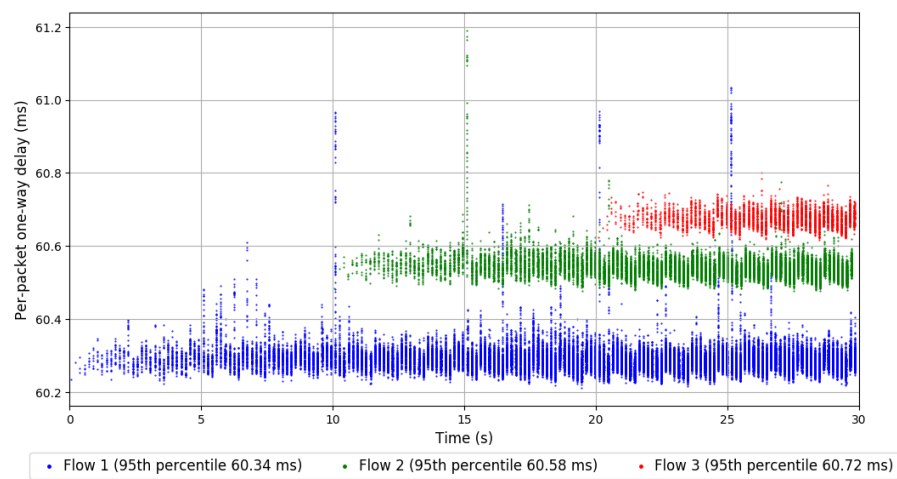
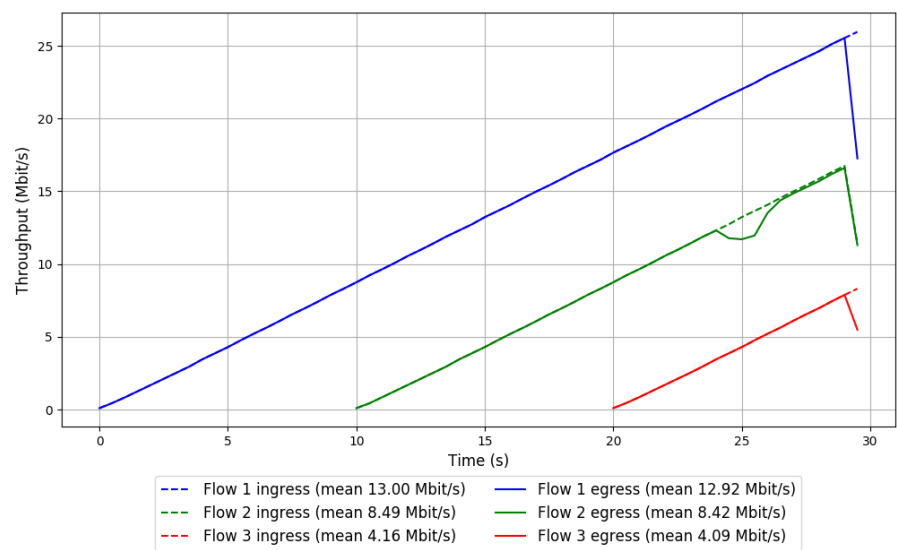


Run 4: Statistics of LEDBAT

Start at: 2017-09-21 20:24:24
End at: 2017-09-21 20:24:54
Local clock offset: 0.079 ms
Remote clock offset: 20.714 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 60.663 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 60.337 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 60.584 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 60.715 ms
Loss rate: 3.42%

Run 4: Report of LEDBAT — Data Link

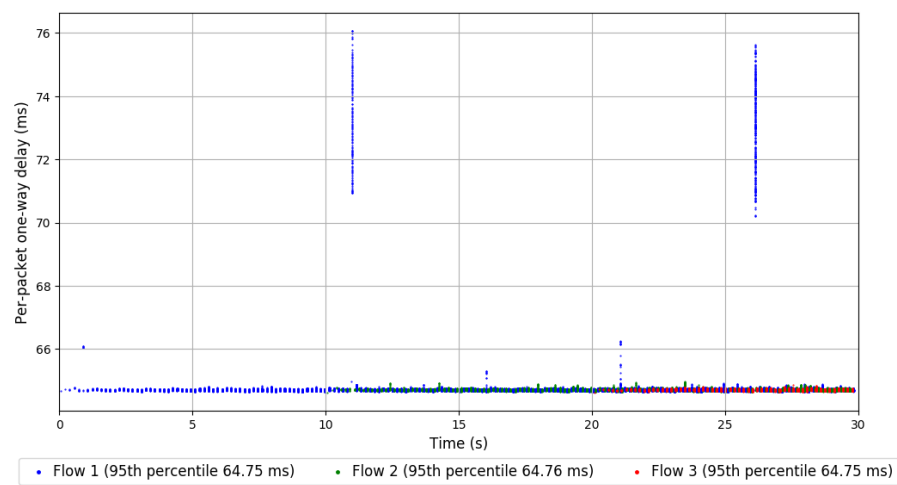
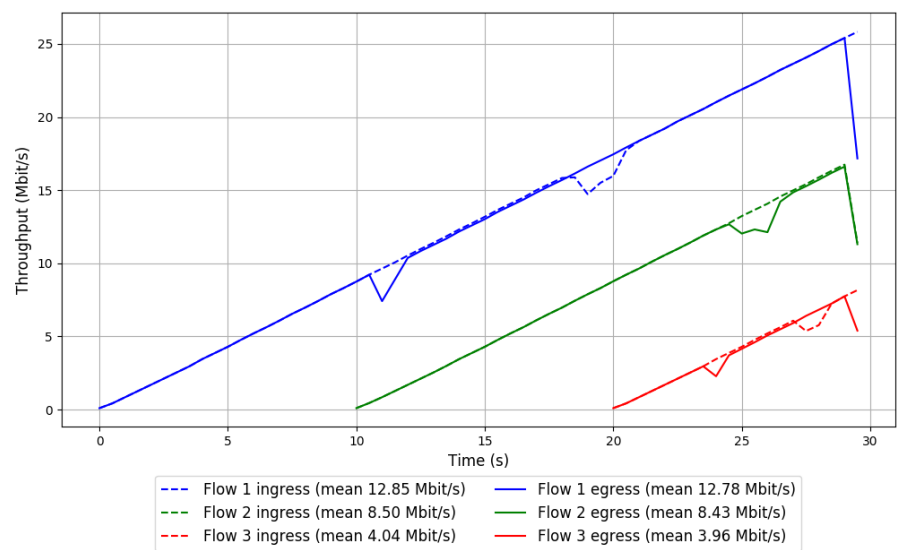


Run 5: Statistics of LEDBAT

Start at: 2017-09-21 20:44:56
End at: 2017-09-21 20:45:26
Local clock offset: 0.145 ms
Remote clock offset: 16.663 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 64.755 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 64.754 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 64.756 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 64.753 ms
Loss rate: 3.48%

Run 5: Report of LEDBAT — Data Link

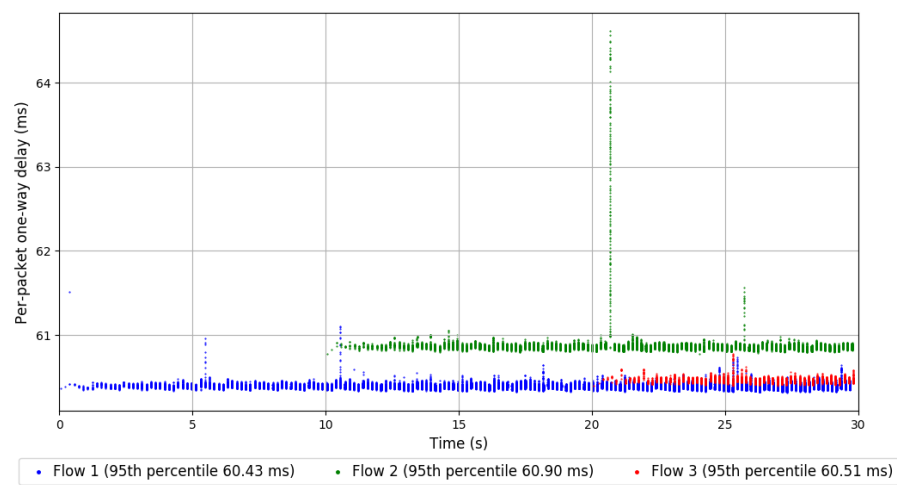
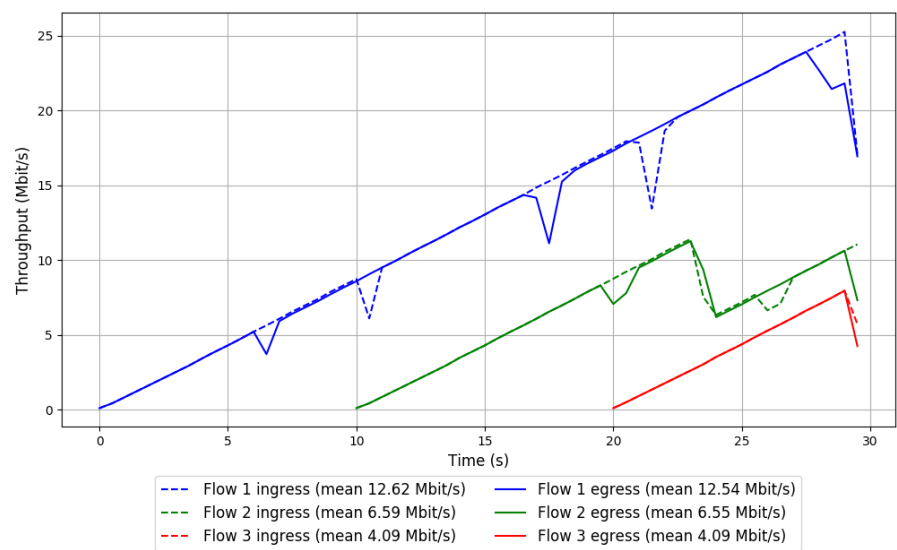


Run 6: Statistics of LEDBAT

Start at: 2017-09-21 21:05:48
End at: 2017-09-21 21:06:18
Local clock offset: 0.042 ms
Remote clock offset: 20.559 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.17 Mbit/s
95th percentile per-packet one-way delay: 60.878 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 60.432 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 60.904 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 60.509 ms
Loss rate: 1.82%

Run 6: Report of LEDBAT — Data Link

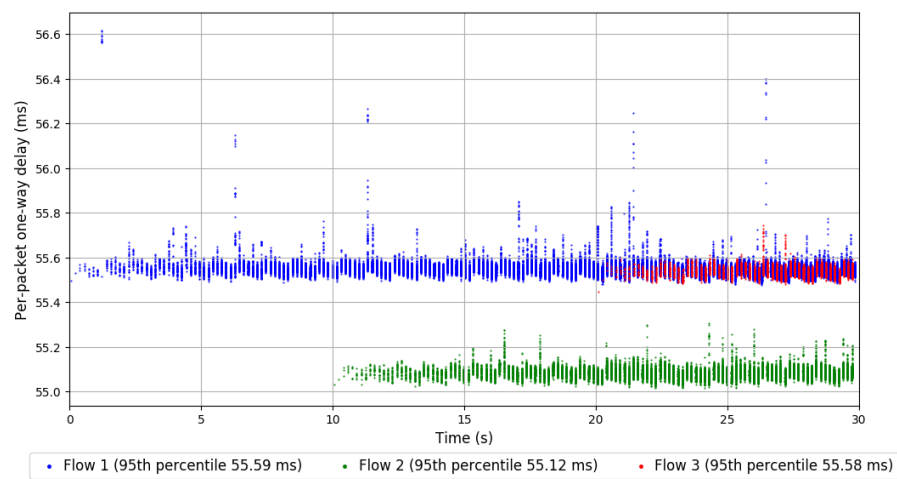
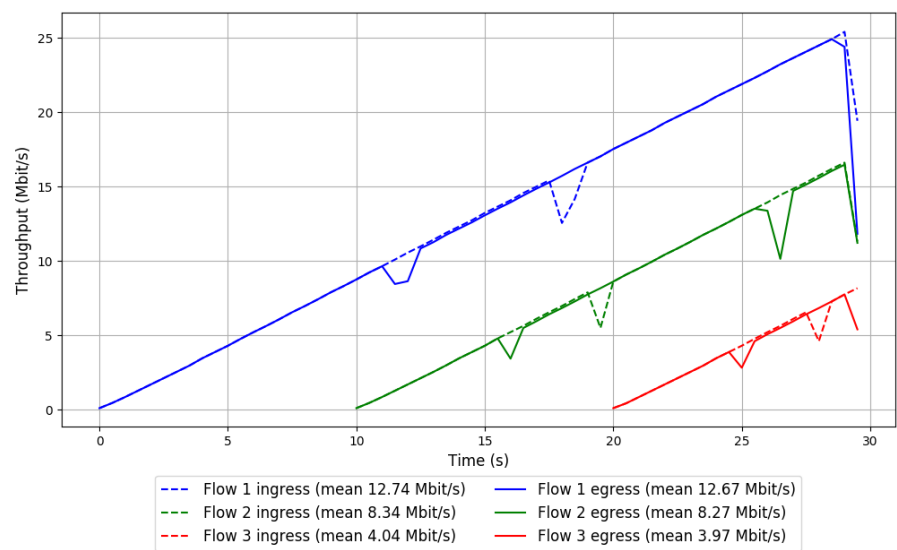


Run 7: Statistics of LEDBAT

Start at: 2017-09-21 21:26:29
End at: 2017-09-21 21:26:59
Local clock offset: 0.089 ms
Remote clock offset: 25.577 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.42 Mbit/s
95th percentile per-packet one-way delay: 55.586 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 55.592 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 55.125 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 55.578 ms
Loss rate: 3.48%

Run 7: Report of LEDBAT — Data Link

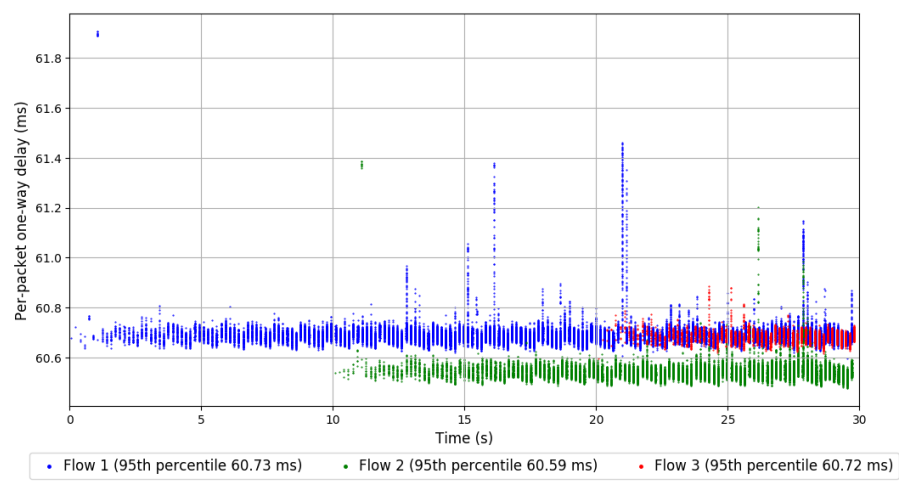
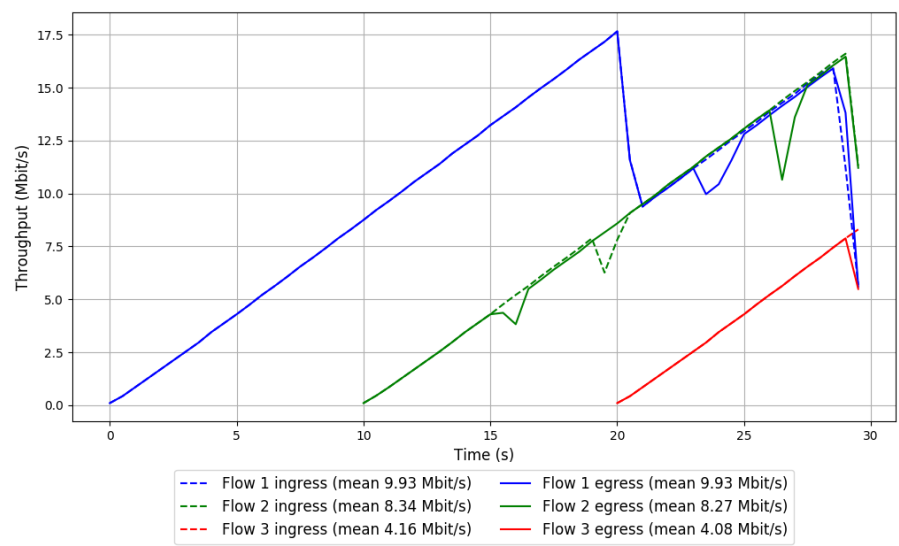


Run 8: Statistics of LEDBAT

Start at: 2017-09-21 21:46:55
End at: 2017-09-21 21:47:25
Local clock offset: 0.033 ms
Remote clock offset: 19.663 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 60.724 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 60.732 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 60.588 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 60.719 ms
Loss rate: 3.42%

Run 8: Report of LEDBAT — Data Link

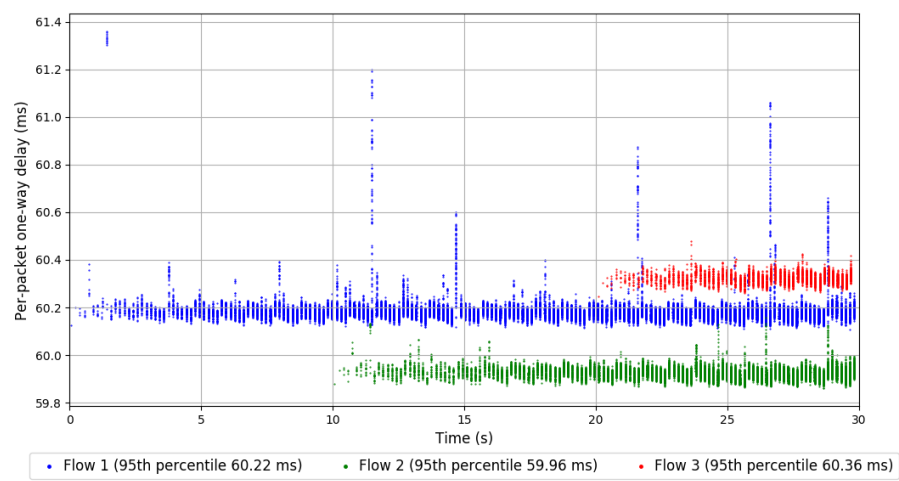
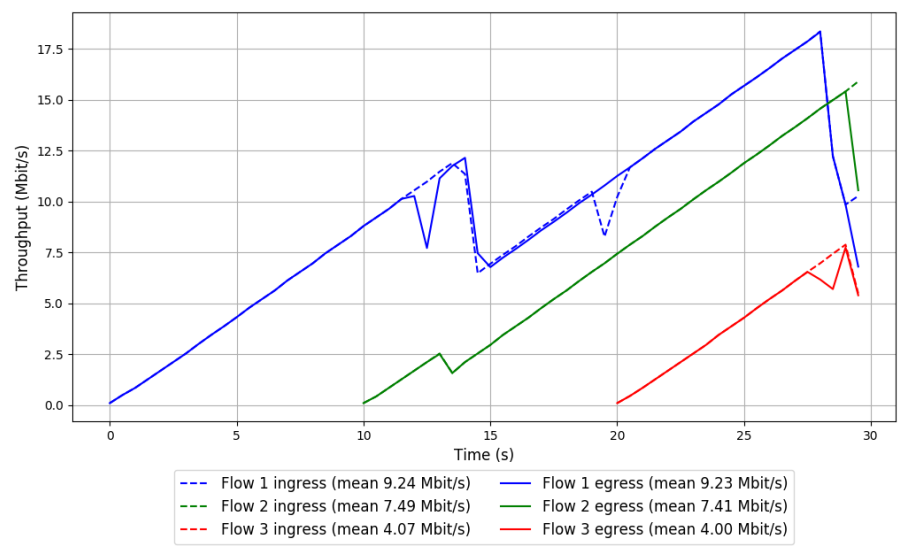


Run 9: Statistics of LEDBAT

Start at: 2017-09-21 22:07:59
End at: 2017-09-21 22:08:29
Local clock offset: -0.053 ms
Remote clock offset: 19.406 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 60.322 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 60.222 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 59.963 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 60.360 ms
Loss rate: 3.48%

Run 9: Report of LEDBAT — Data Link

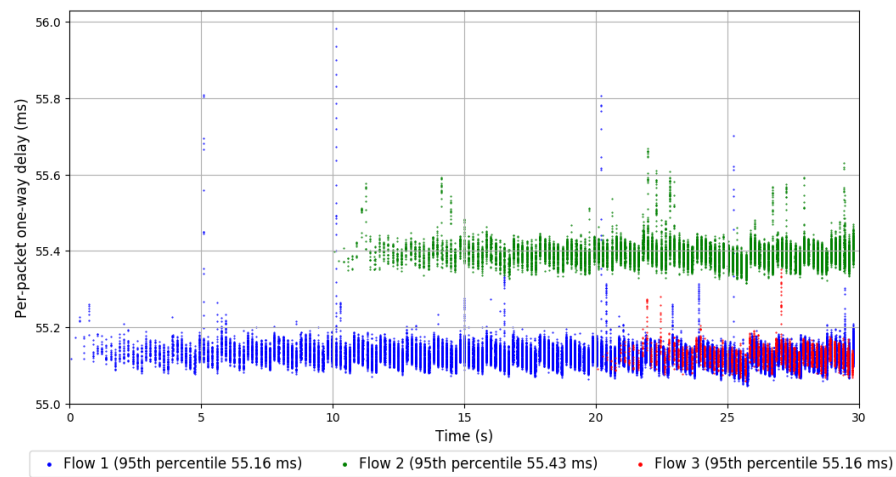
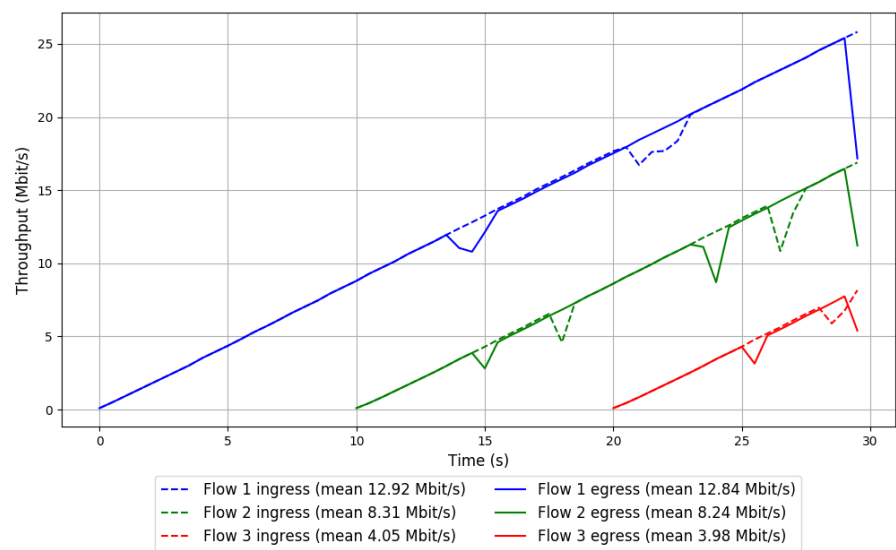


Run 10: Statistics of LEDBAT

Start at: 2017-09-21 22:29:13
End at: 2017-09-21 22:29:43
Local clock offset: 0.032 ms
Remote clock offset: 24.221 ms

Below is generated by plot.py at 2017-09-22 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 55.414 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 55.164 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 55.432 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 55.164 ms
Loss rate: 3.48%

Run 10: Report of LEDBAT — Data Link

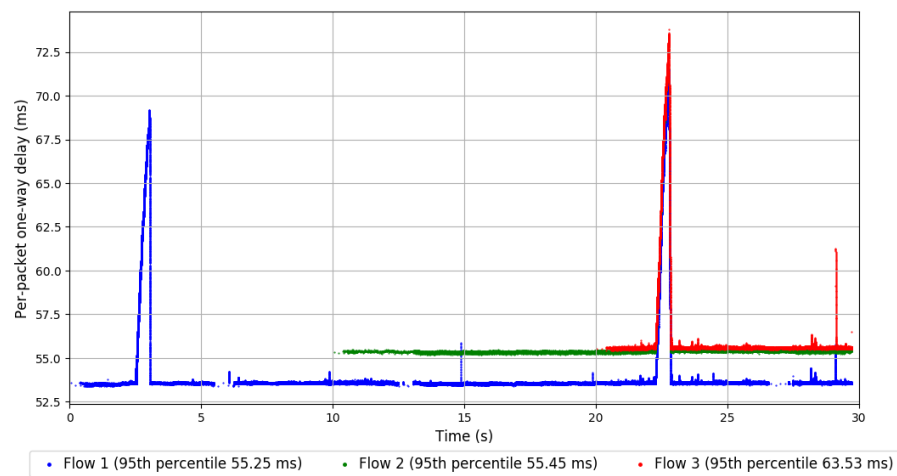
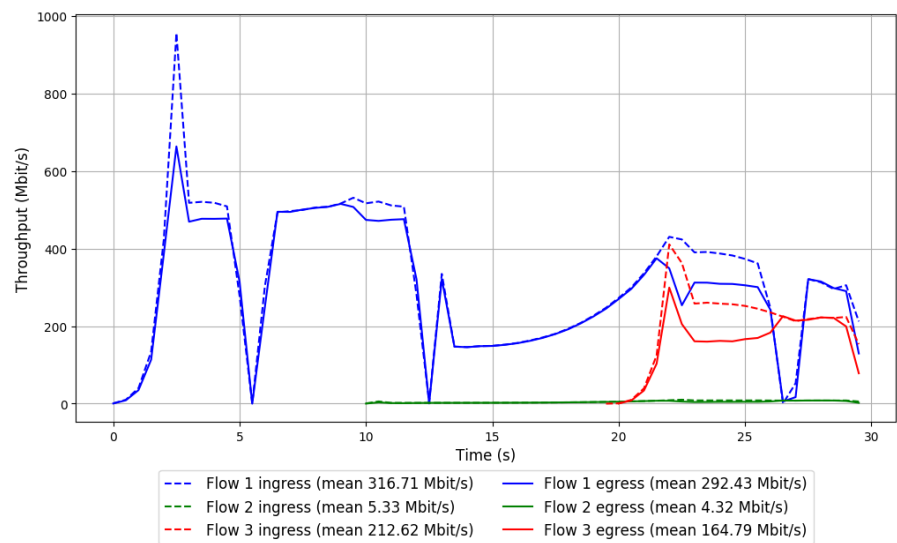


Run 1: Statistics of PCC

Start at: 2017-09-21 19:40:13
End at: 2017-09-21 19:40:43
Local clock offset: 0.134 ms
Remote clock offset: 27.357 ms

Below is generated by plot.py at 2017-09-22 02:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.04 Mbit/s
95th percentile per-packet one-way delay: 56.860 ms
Loss rate: 11.10%
-- Flow 1:
Average throughput: 292.43 Mbit/s
95th percentile per-packet one-way delay: 55.246 ms
Loss rate: 8.19%
-- Flow 2:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 55.447 ms
Loss rate: 19.62%
-- Flow 3:
Average throughput: 164.79 Mbit/s
95th percentile per-packet one-way delay: 63.533 ms
Loss rate: 23.83%

Run 1: Report of PCC — Data Link

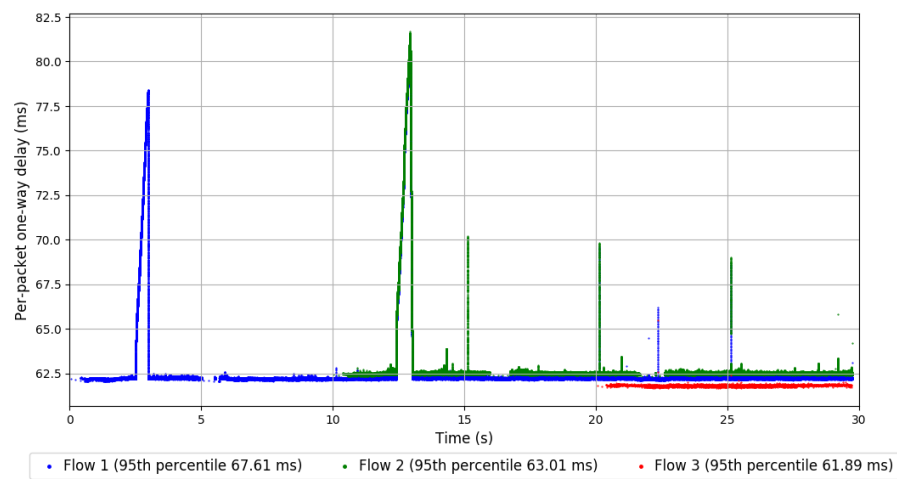
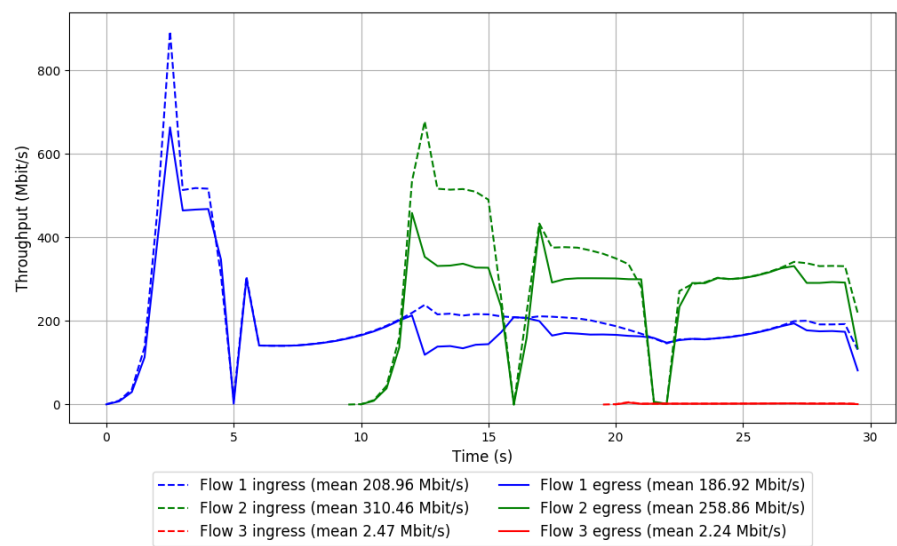


Run 2: Statistics of PCC

Start at: 2017-09-21 20:00:32
End at: 2017-09-21 20:01:02
Local clock offset: 0.153 ms
Remote clock offset: 19.392 ms

Below is generated by plot.py at 2017-09-22 02:32:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.43 Mbit/s
95th percentile per-packet one-way delay: 66.649 ms
Loss rate: 14.16%
-- Flow 1:
Average throughput: 186.92 Mbit/s
95th percentile per-packet one-way delay: 67.608 ms
Loss rate: 11.05%
-- Flow 2:
Average throughput: 258.86 Mbit/s
95th percentile per-packet one-way delay: 63.010 ms
Loss rate: 17.32%
-- Flow 3:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 61.890 ms
Loss rate: 10.91%

Run 2: Report of PCC — Data Link

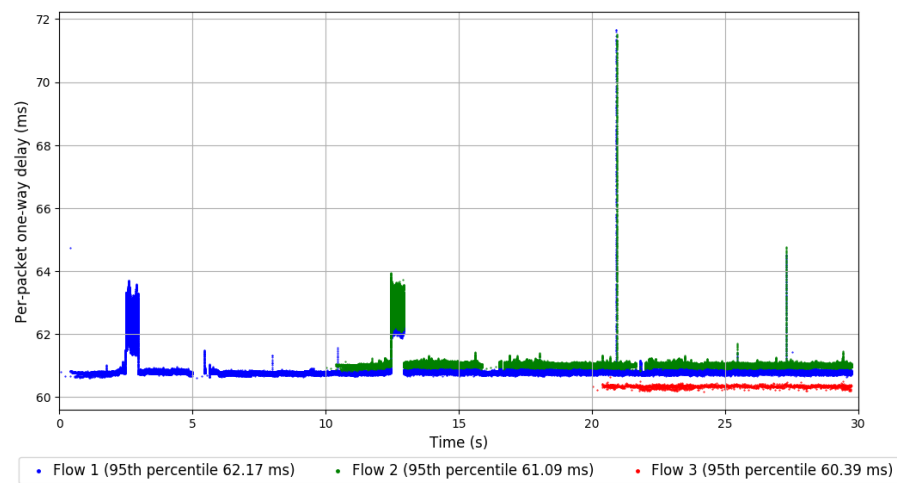
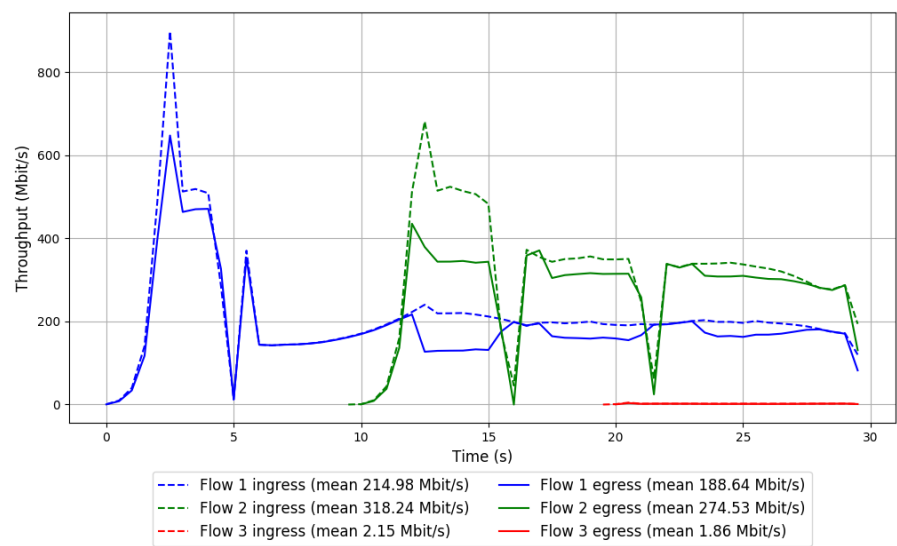


Run 3: Statistics of PCC

Start at: 2017-09-21 20:20:56
End at: 2017-09-21 20:21:26
Local clock offset: 0.112 ms
Remote clock offset: 20.719 ms

Below is generated by plot.py at 2017-09-22 02:33:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.47 Mbit/s
95th percentile per-packet one-way delay: 61.925 ms
Loss rate: 13.60%
-- Flow 1:
Average throughput: 188.64 Mbit/s
95th percentile per-packet one-way delay: 62.167 ms
Loss rate: 12.75%
-- Flow 2:
Average throughput: 274.53 Mbit/s
95th percentile per-packet one-way delay: 61.086 ms
Loss rate: 14.47%
-- Flow 3:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 60.394 ms
Loss rate: 14.69%

Run 3: Report of PCC — Data Link

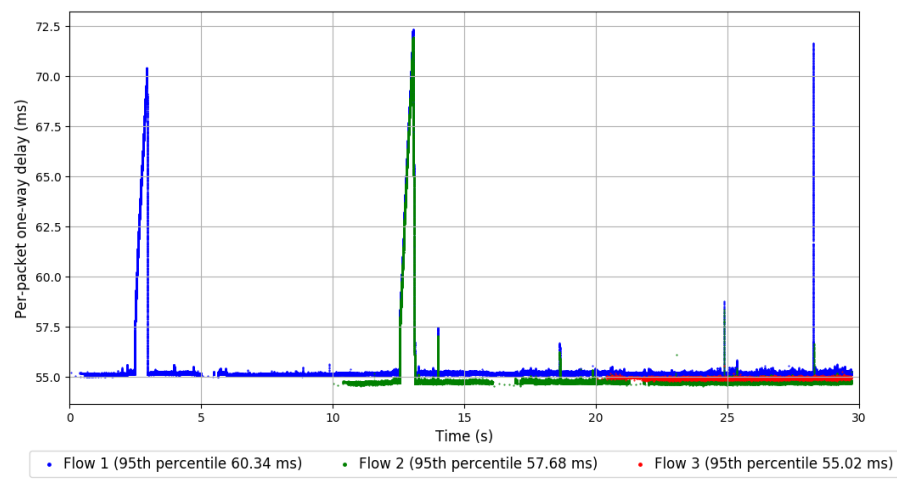
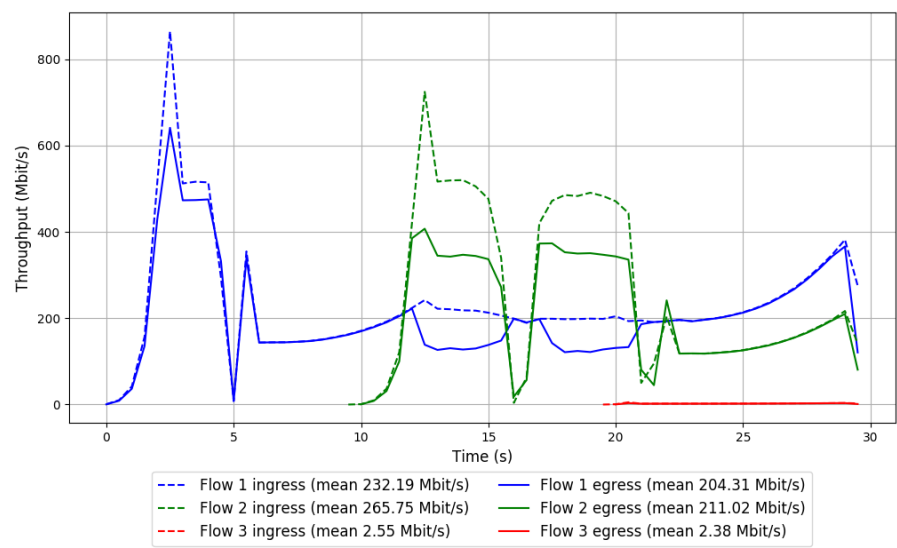


Run 4: Statistics of PCC

Start at: 2017-09-21 20:41:34
End at: 2017-09-21 20:42:04
Local clock offset: 0.14 ms
Remote clock offset: 26.252 ms

Below is generated by plot.py at 2017-09-22 02:33:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.12 Mbit/s
95th percentile per-packet one-way delay: 59.176 ms
Loss rate: 16.28%
-- Flow 1:
Average throughput: 204.31 Mbit/s
95th percentile per-packet one-way delay: 60.341 ms
Loss rate: 12.50%
-- Flow 2:
Average throughput: 211.02 Mbit/s
95th percentile per-packet one-way delay: 57.682 ms
Loss rate: 21.27%
-- Flow 3:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 55.022 ms
Loss rate: 8.36%

Run 4: Report of PCC — Data Link

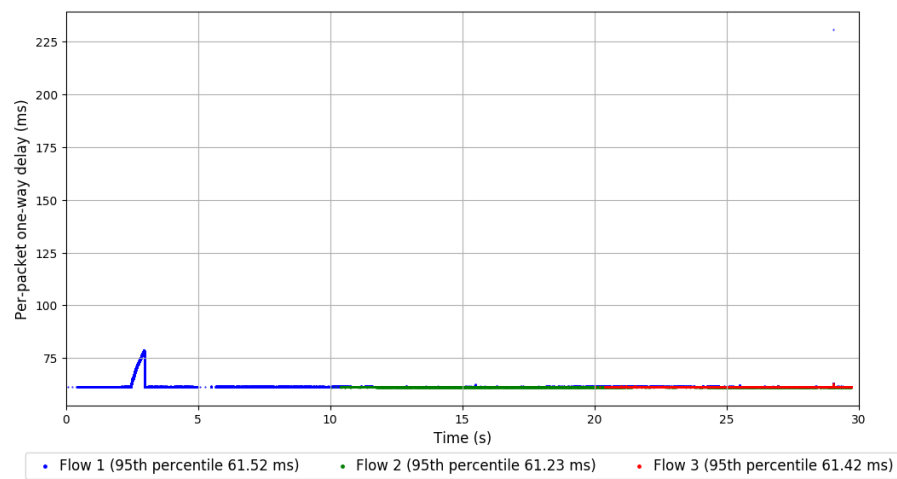
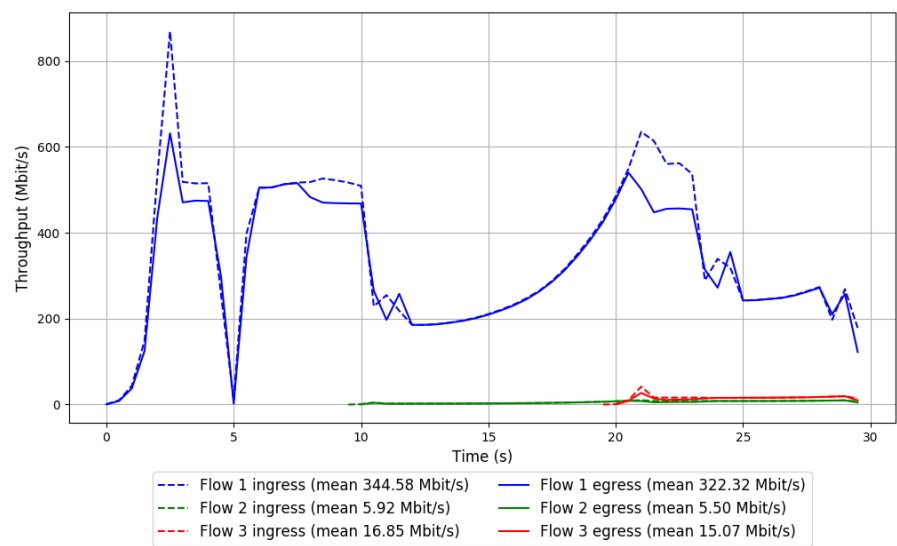


Run 5: Statistics of PCC

Start at: 2017-09-21 21:02:27
End at: 2017-09-21 21:02:57
Local clock offset: 0.057 ms
Remote clock offset: 19.865 ms

Below is generated by plot.py at 2017-09-22 02:33:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.89 Mbit/s
95th percentile per-packet one-way delay: 61.514 ms
Loss rate: 7.08%
-- Flow 1:
Average throughput: 322.32 Mbit/s
95th percentile per-packet one-way delay: 61.516 ms
Loss rate: 6.99%
-- Flow 2:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 61.228 ms
Loss rate: 7.85%
-- Flow 3:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 61.425 ms
Loss rate: 12.07%

Run 5: Report of PCC — Data Link

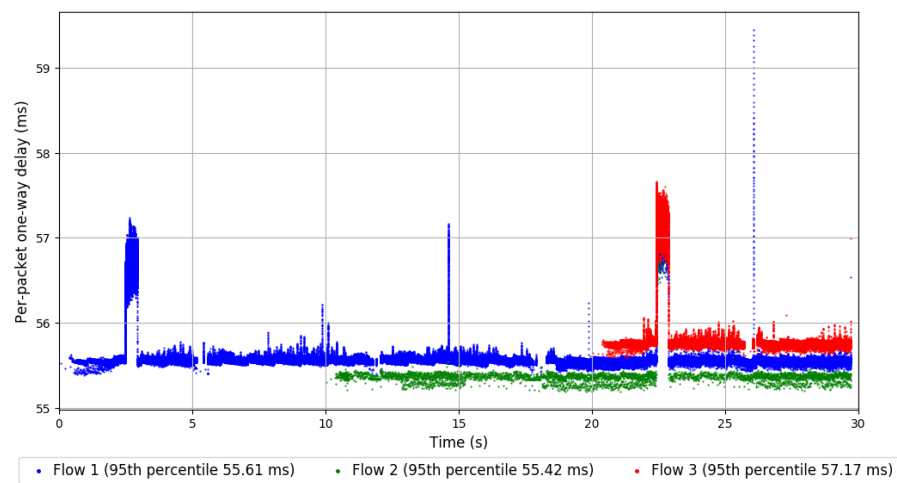
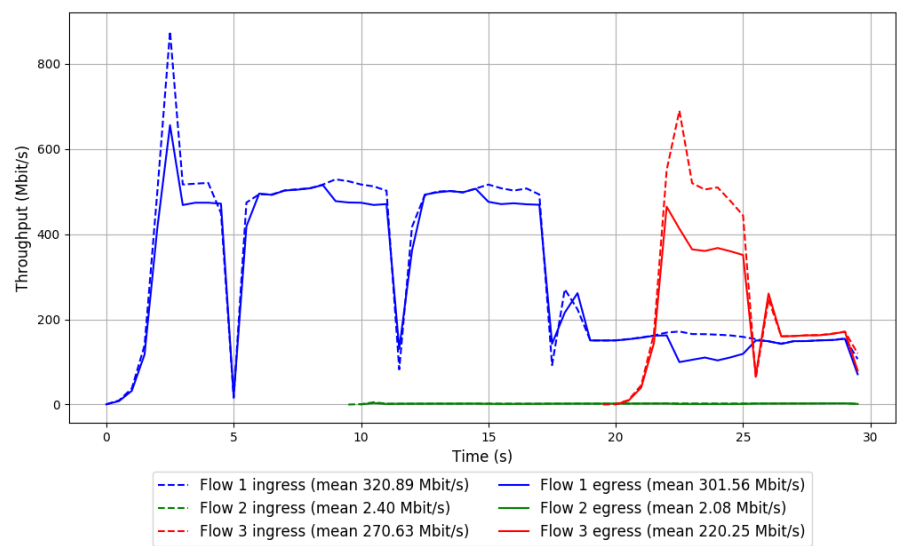


Run 6: Statistics of PCC

Start at: 2017-09-21 21:23:09
End at: 2017-09-21 21:23:39
Local clock offset: 0.067 ms
Remote clock offset: 25.101 ms

Below is generated by plot.py at 2017-09-22 02:33:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.77 Mbit/s
95th percentile per-packet one-way delay: 56.478 ms
Loss rate: 9.50%
-- Flow 1:
Average throughput: 301.56 Mbit/s
95th percentile per-packet one-way delay: 55.610 ms
Loss rate: 6.55%
-- Flow 2:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 55.420 ms
Loss rate: 14.02%
-- Flow 3:
Average throughput: 220.25 Mbit/s
95th percentile per-packet one-way delay: 57.166 ms
Loss rate: 20.00%

Run 6: Report of PCC — Data Link

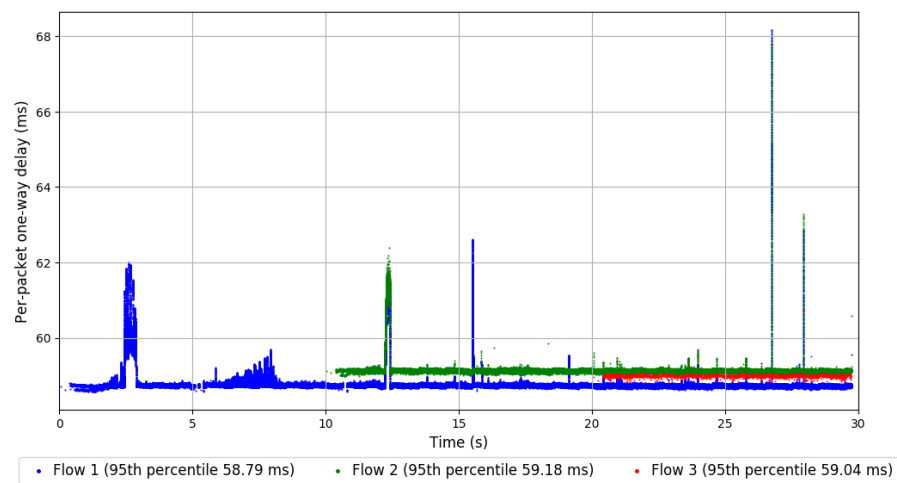
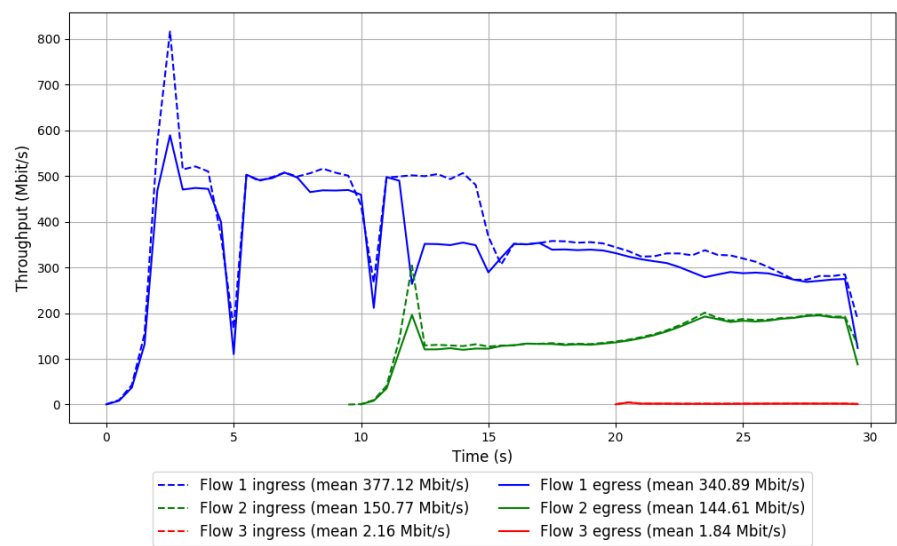


Run 7: Statistics of PCC

Start at: 2017-09-21 21:43:19
End at: 2017-09-21 21:43:49
Local clock offset: -0.013 ms
Remote clock offset: 21.278 ms

Below is generated by plot.py at 2017-09-22 02:34:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.45 Mbit/s
95th percentile per-packet one-way delay: 59.167 ms
Loss rate: 9.03%
-- Flow 1:
Average throughput: 340.89 Mbit/s
95th percentile per-packet one-way delay: 58.789 ms
Loss rate: 10.11%
-- Flow 2:
Average throughput: 144.61 Mbit/s
95th percentile per-packet one-way delay: 59.177 ms
Loss rate: 4.90%
-- Flow 3:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 59.036 ms
Loss rate: 16.57%

Run 7: Report of PCC — Data Link

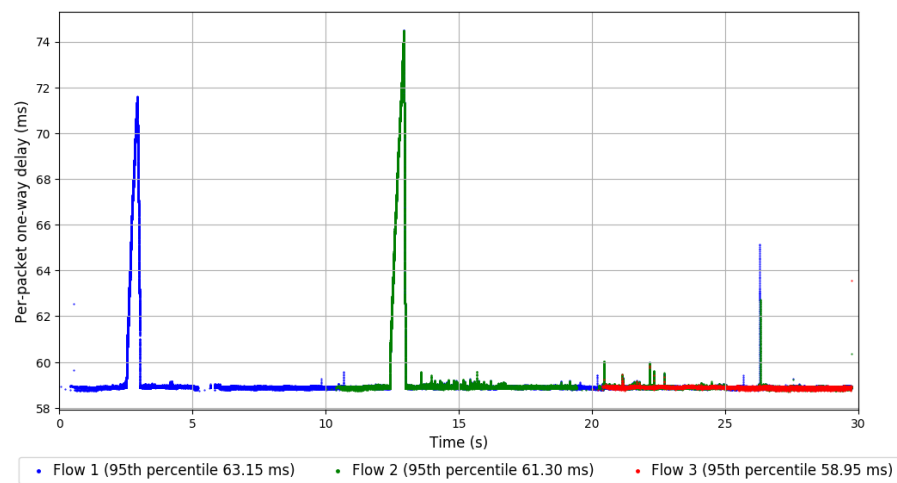
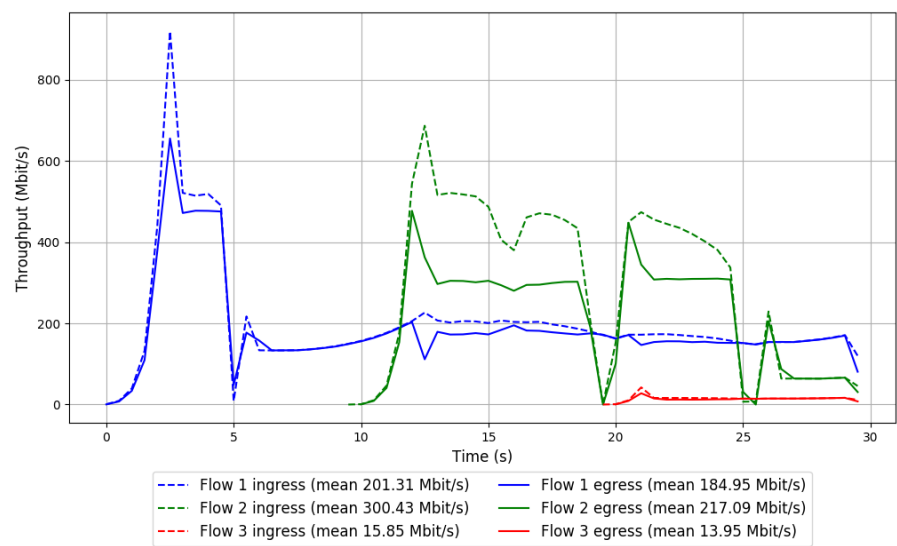


Run 8: Statistics of PCC

Start at: 2017-09-21 22:04:19
End at: 2017-09-21 22:04:49
Local clock offset: -0.021 ms
Remote clock offset: 20.986 ms

Below is generated by plot.py at 2017-09-22 02:34:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.51 Mbit/s
95th percentile per-packet one-way delay: 62.228 ms
Loss rate: 18.40%
-- Flow 1:
Average throughput: 184.95 Mbit/s
95th percentile per-packet one-way delay: 63.153 ms
Loss rate: 8.65%
-- Flow 2:
Average throughput: 217.09 Mbit/s
95th percentile per-packet one-way delay: 61.304 ms
Loss rate: 28.35%
-- Flow 3:
Average throughput: 13.95 Mbit/s
95th percentile per-packet one-way delay: 58.948 ms
Loss rate: 13.44%

Run 8: Report of PCC — Data Link

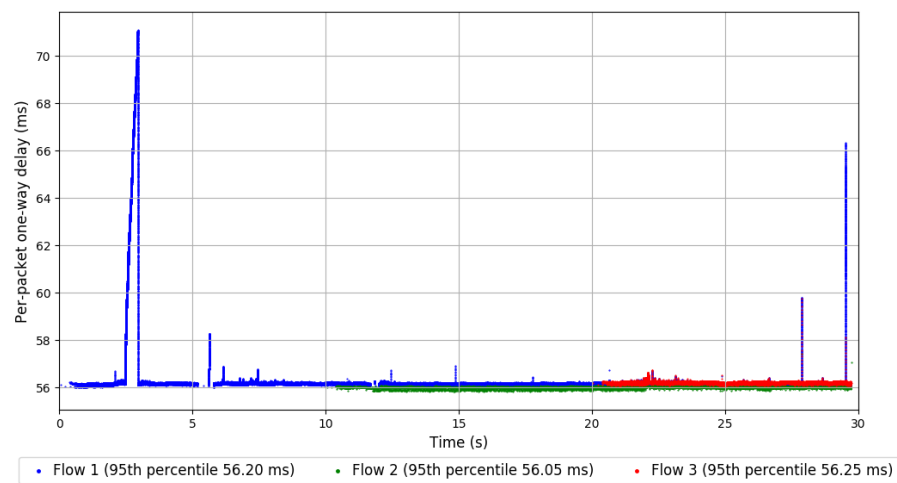
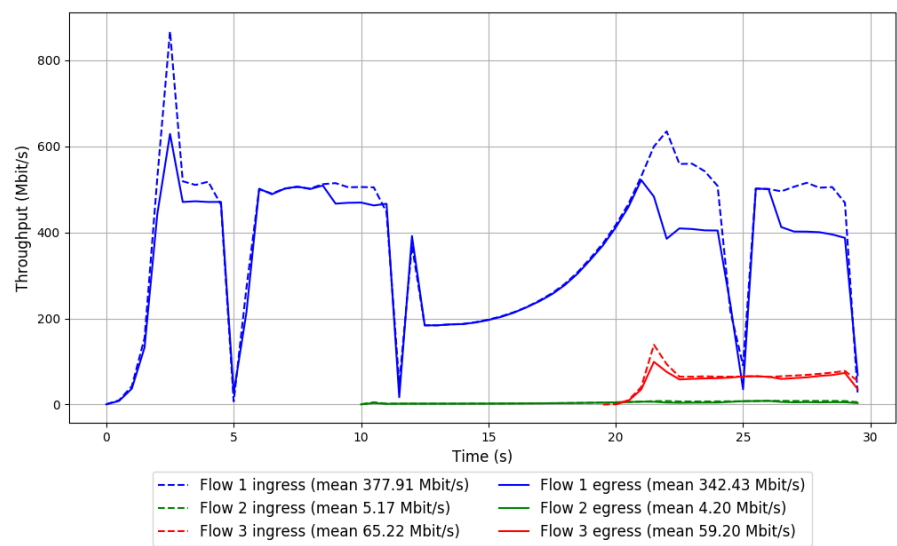


Run 9: Statistics of PCC

Start at: 2017-09-21 22:25:43
End at: 2017-09-21 22:26:13
Local clock offset: 0.015 ms
Remote clock offset: 23.239 ms

Below is generated by plot.py at 2017-09-22 02:38:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.36 Mbit/s
95th percentile per-packet one-way delay: 56.225 ms
Loss rate: 9.97%
-- Flow 1:
Average throughput: 342.43 Mbit/s
95th percentile per-packet one-way delay: 56.205 ms
Loss rate: 9.83%
-- Flow 2:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 56.055 ms
Loss rate: 19.46%
-- Flow 3:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 56.252 ms
Loss rate: 10.78%

Run 9: Report of PCC — Data Link

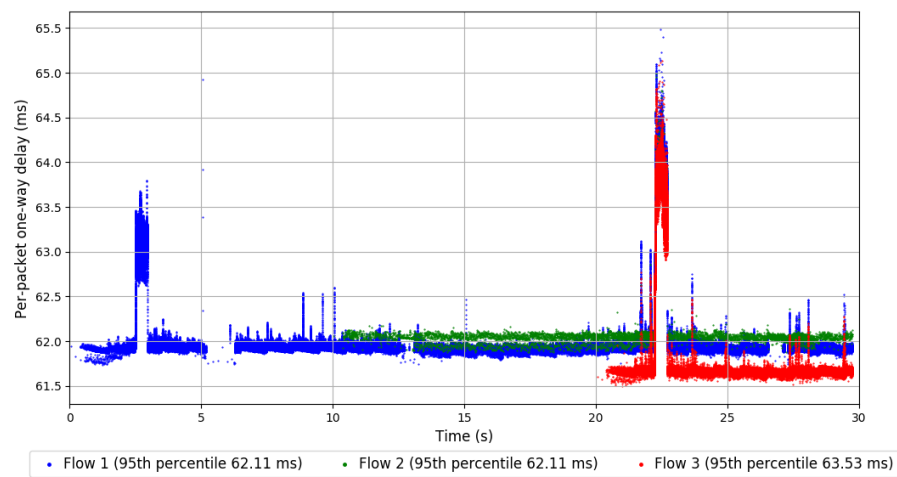
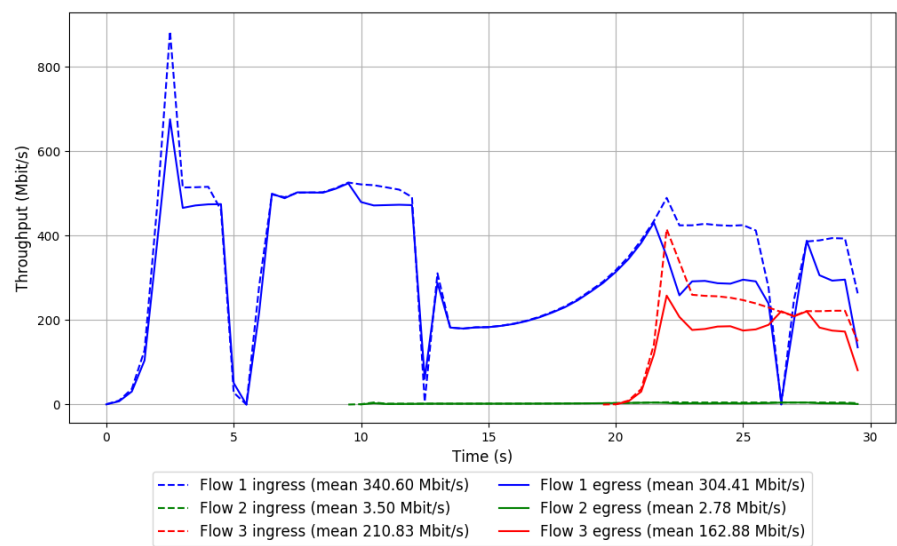


Run 10: Statistics of PCC

Start at: 2017-09-21 22:46:12
End at: 2017-09-21 22:46:42
Local clock offset: -0.001 ms
Remote clock offset: 16.999 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.39 Mbit/s
95th percentile per-packet one-way delay: 62.752 ms
Loss rate: 13.37%
-- Flow 1:
Average throughput: 304.41 Mbit/s
95th percentile per-packet one-way delay: 62.114 ms
Loss rate: 11.13%
-- Flow 2:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 62.106 ms
Loss rate: 21.45%
-- Flow 3:
Average throughput: 162.88 Mbit/s
95th percentile per-packet one-way delay: 63.534 ms
Loss rate: 24.06%

Run 10: Report of PCC — Data Link

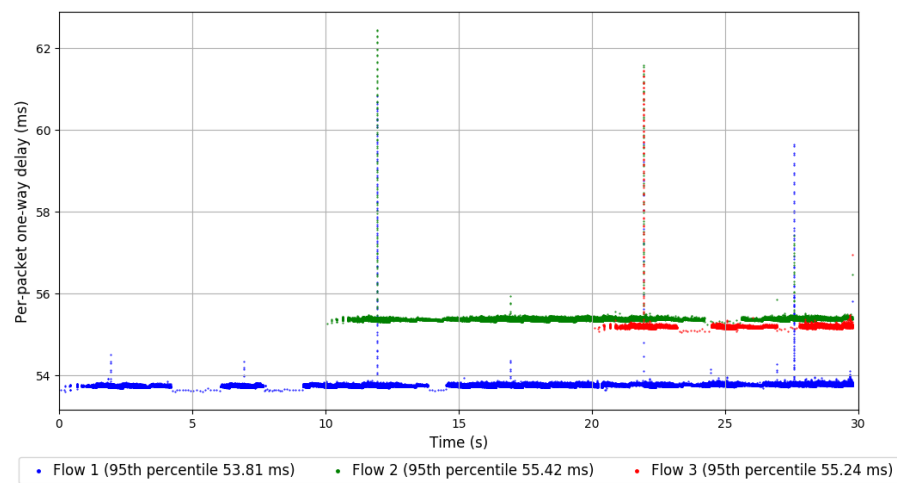
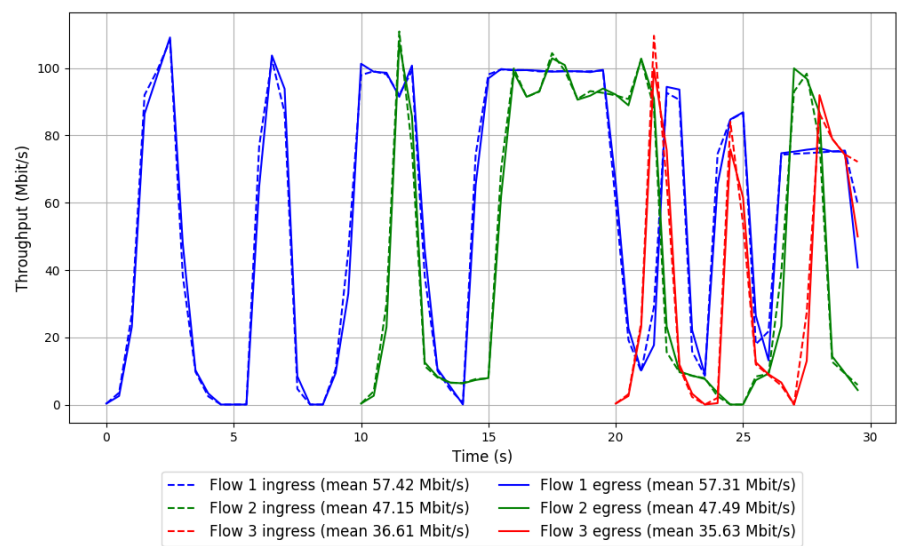


Run 1: Statistics of QUIC Cubic

Start at: 2017-09-21 19:29:03
End at: 2017-09-21 19:29:33
Local clock offset: 0.175 ms
Remote clock offset: 26.799 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.42 Mbit/s
95th percentile per-packet one-way delay: 55.404 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 53.810 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 55.421 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 55.242 ms
Loss rate: 4.35%

Run 1: Report of QUIC Cubic — Data Link

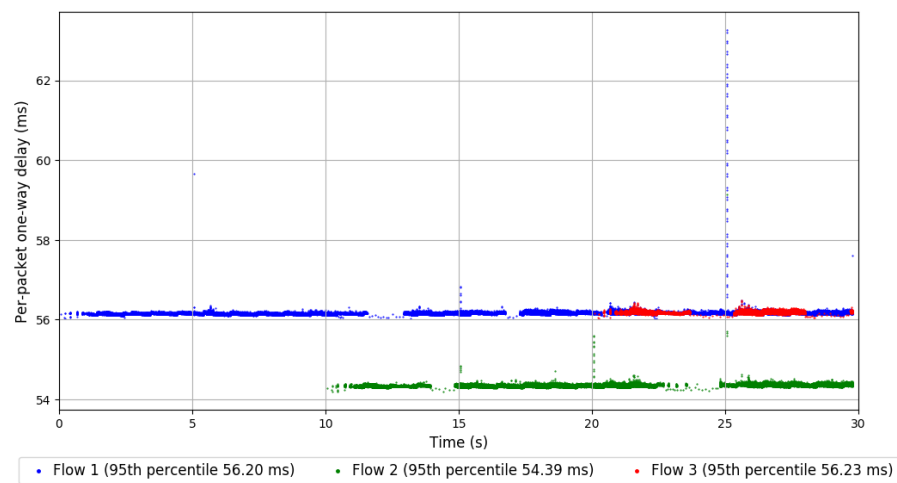
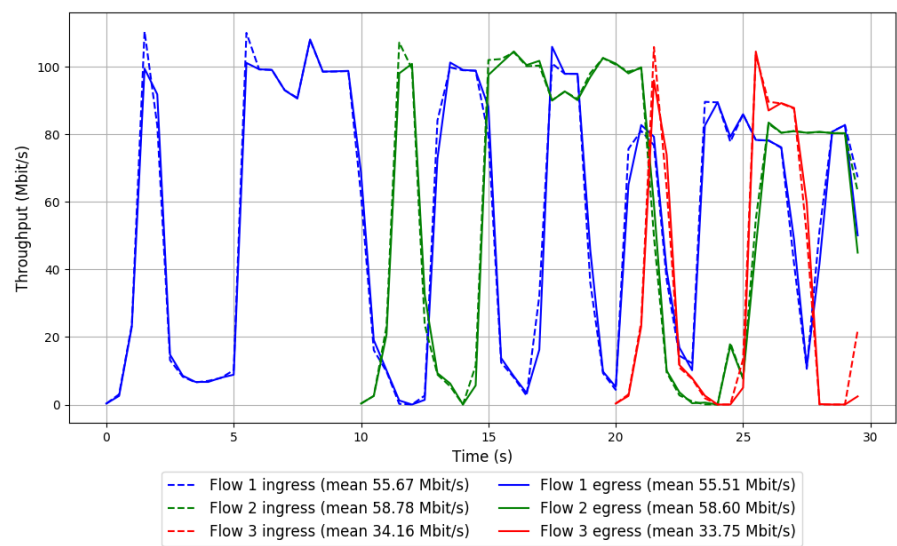


Run 2: Statistics of QUIC Cubic

Start at: 2017-09-21 19:49:31
End at: 2017-09-21 19:50:01
Local clock offset: 0.161 ms
Remote clock offset: 26.853 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 105.34 Mbit/s
95th percentile per-packet one-way delay: 56.203 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 55.51 Mbit/s
95th percentile per-packet one-way delay: 56.204 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 54.392 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 56.226 ms
Loss rate: 2.91%

Run 2: Report of QUIC Cubic — Data Link

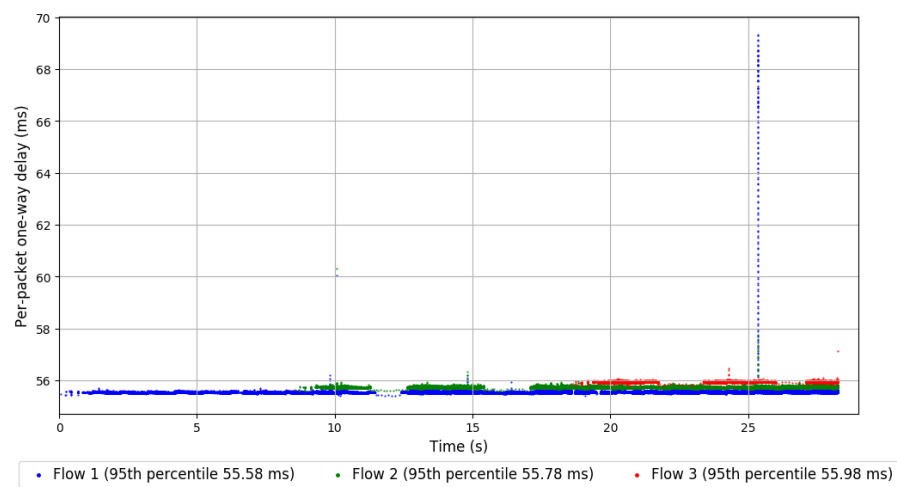
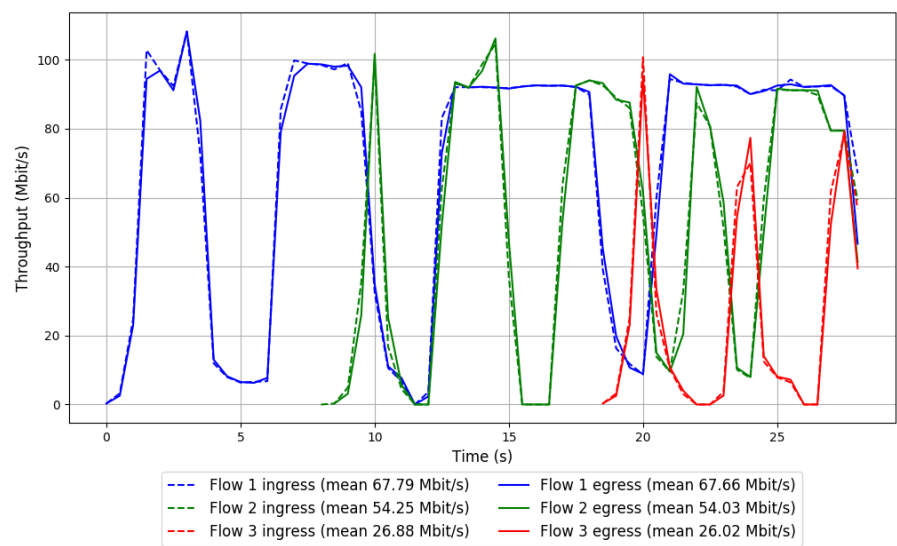


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-21 20:09:54
End at: 2017-09-21 20:10:24
Local clock offset: 0.137 ms
Remote clock offset: 25.924 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.36 Mbit/s
95th percentile per-packet one-way delay: 55.933 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 67.66 Mbit/s
95th percentile per-packet one-way delay: 55.580 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 55.778 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 55.984 ms
Loss rate: 4.87%

Run 3: Report of QUIC Cubic — Data Link

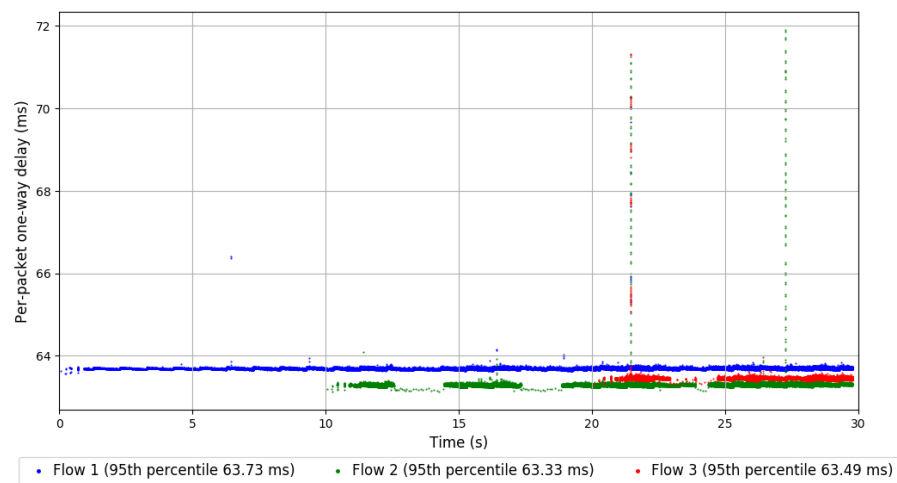
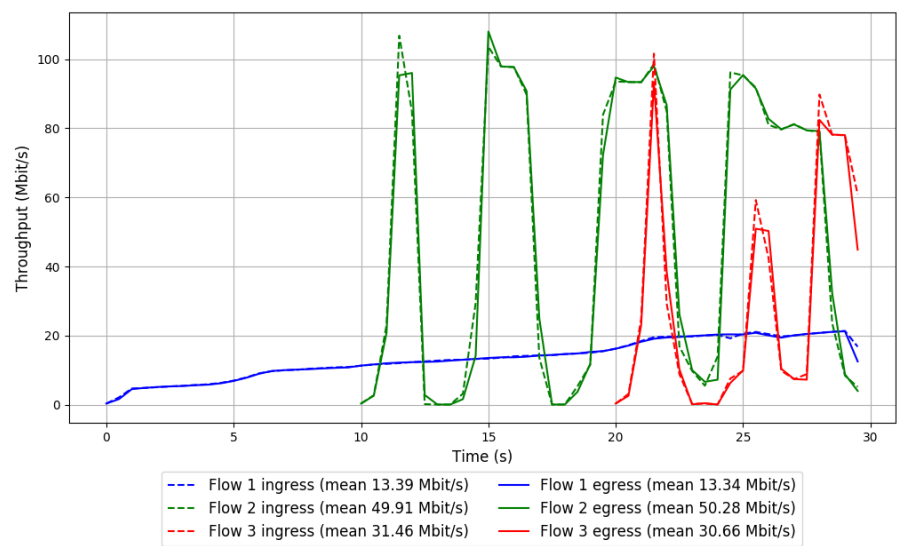


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-21 20:30:29
End at: 2017-09-21 20:30:59
Local clock offset: 0.188 ms
Remote clock offset: 18.004 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 63.709 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 63.731 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 63.333 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 63.494 ms
Loss rate: 4.18%

Run 4: Report of QUIC Cubic — Data Link

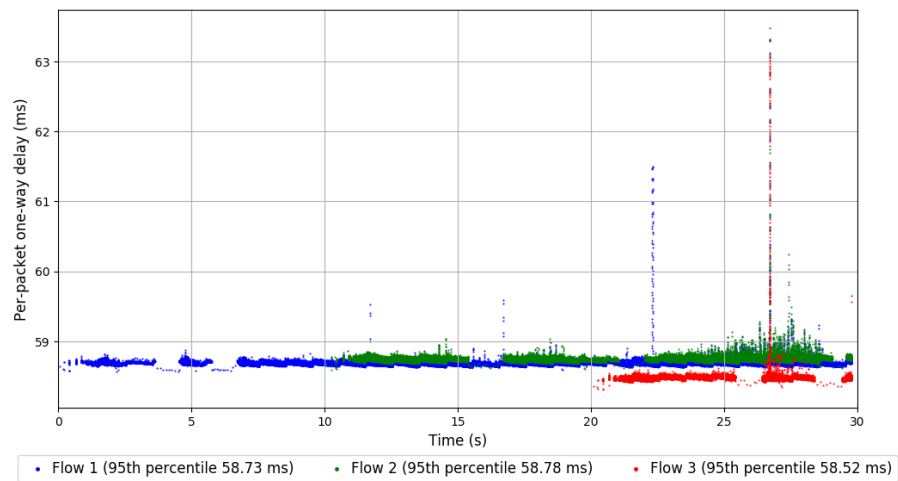
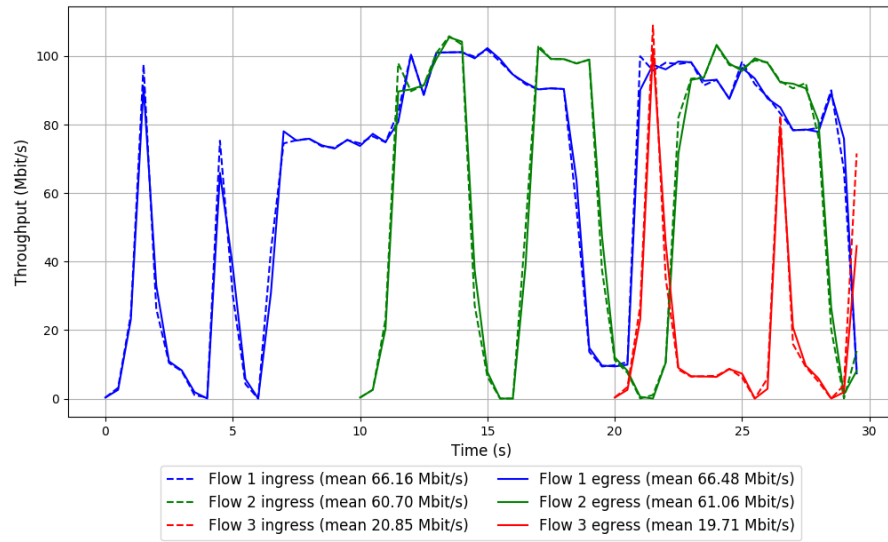


Run 5: Statistics of QUIC Cubic

Start at: 2017-09-21 20:51:08
End at: 2017-09-21 20:51:38
Local clock offset: 0.119 ms
Remote clock offset: 22.658 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.40 Mbit/s
95th percentile per-packet one-way delay: 58.769 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 58.728 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 58.785 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 58.523 ms
Loss rate: 7.07%

Run 5: Report of QUIC Cubic — Data Link

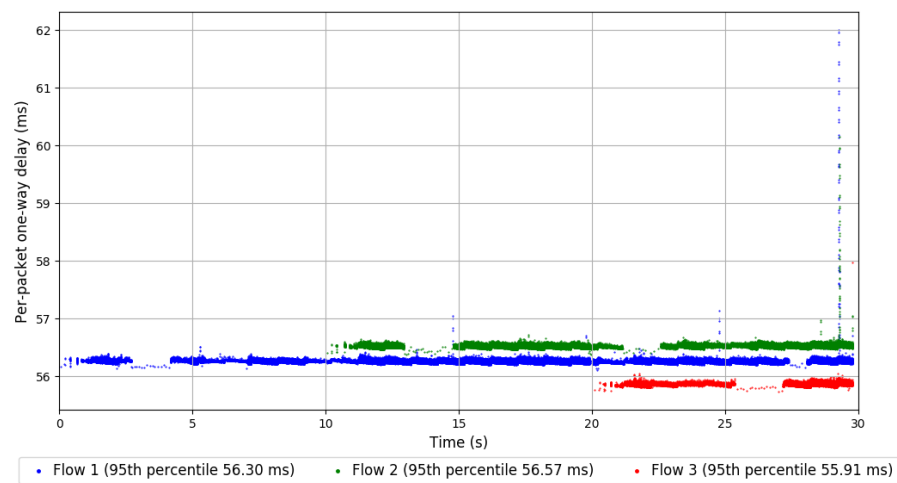
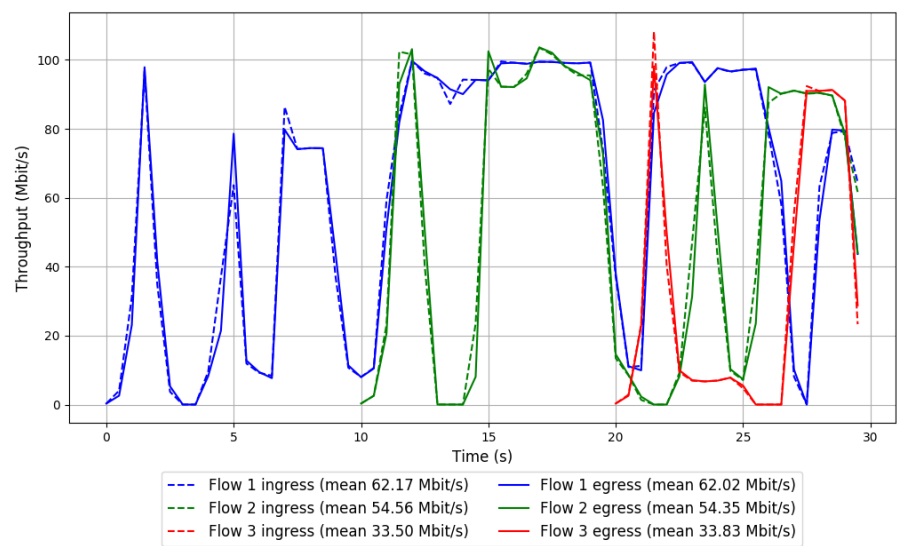


Run 6: Statistics of QUIC Cubic

Start at: 2017-09-21 21:11:56
End at: 2017-09-21 21:12:26
Local clock offset: 0.102 ms
Remote clock offset: 24.798 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.08 Mbit/s
95th percentile per-packet one-way delay: 56.552 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 56.299 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 56.568 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 33.83 Mbit/s
95th percentile per-packet one-way delay: 55.911 ms
Loss rate: 0.71%

Run 6: Report of QUIC Cubic — Data Link

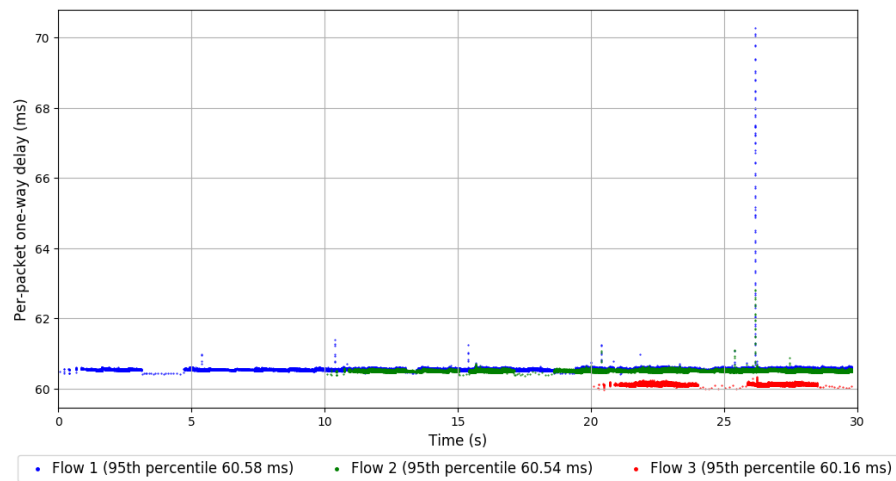
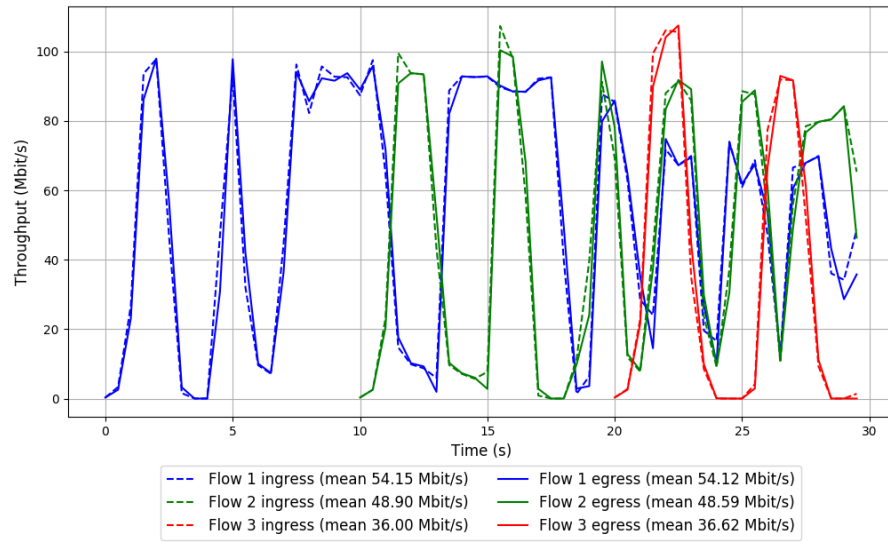


Run 7: Statistics of QUIC Cubic

Start at: 2017-09-21 21:32:29
End at: 2017-09-21 21:32:59
Local clock offset: 0.07 ms
Remote clock offset: 20.258 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 98.22 Mbit/s
95th percentile per-packet one-way delay: 60.572 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 60.580 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 48.59 Mbit/s
95th percentile per-packet one-way delay: 60.543 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 60.162 ms
Loss rate: 0.20%

Run 7: Report of QUIC Cubic — Data Link

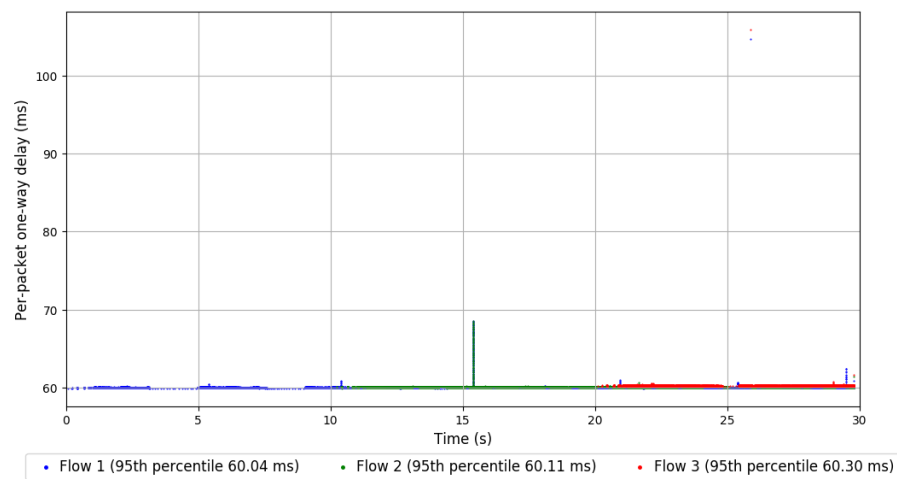
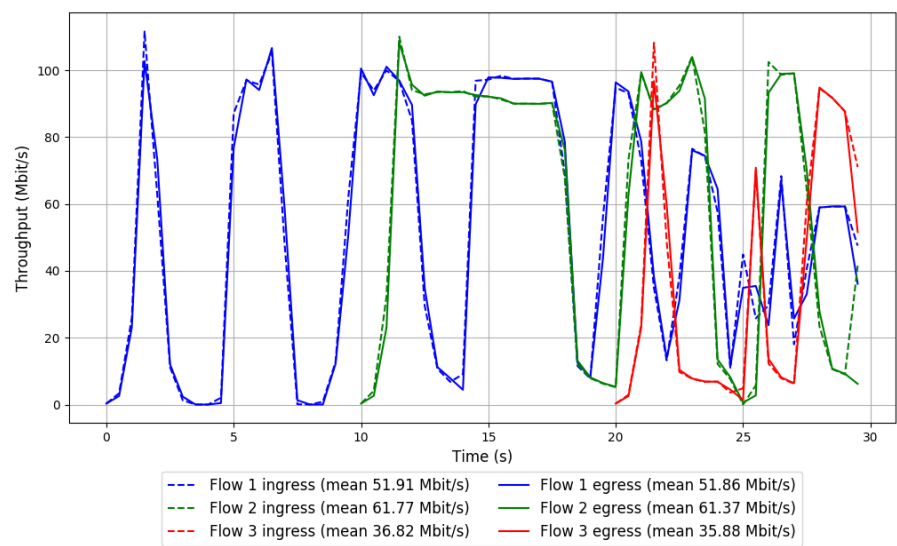


Run 8: Statistics of QUIC Cubic

Start at: 2017-09-21 21:53:01
End at: 2017-09-21 21:53:31
Local clock offset: 0.072 ms
Remote clock offset: 20.005 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.23 Mbit/s
95th percentile per-packet one-way delay: 60.259 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 60.044 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 61.37 Mbit/s
95th percentile per-packet one-way delay: 60.113 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 60.298 ms
Loss rate: 4.22%

Run 8: Report of QUIC Cubic — Data Link

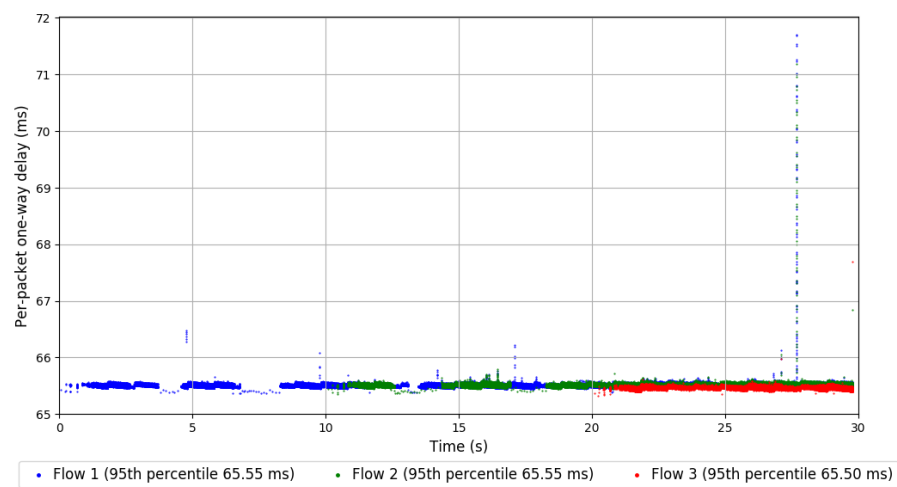
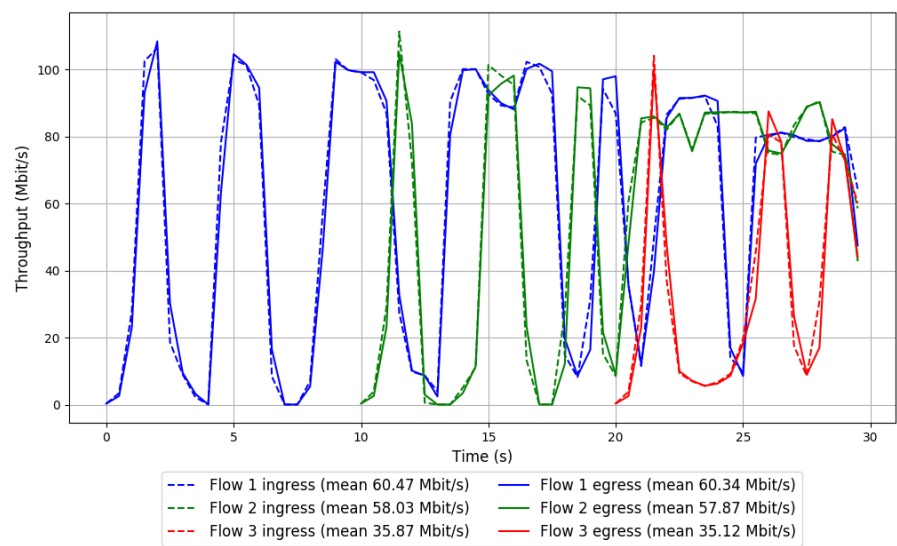


Run 9: Statistics of QUIC Cubic

Start at: 2017-09-21 22:14:28
End at: 2017-09-21 22:14:58
Local clock offset: 0.078 ms
Remote clock offset: 14.221 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.17 Mbit/s
95th percentile per-packet one-way delay: 65.547 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 60.34 Mbit/s
95th percentile per-packet one-way delay: 65.547 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 57.87 Mbit/s
95th percentile per-packet one-way delay: 65.550 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 65.503 ms
Loss rate: 3.72%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-21 22:35:10

End at: 2017-09-21 22:35:40

Local clock offset: 0.169 ms

Remote clock offset: 23.57 ms

Below is generated by plot.py at 2017-09-22 02:38:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.63 Mbit/s

95th percentile per-packet one-way delay: 55.839 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 54.38 Mbit/s

95th percentile per-packet one-way delay: 55.844 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 55.637 ms

Loss rate: 1.56%

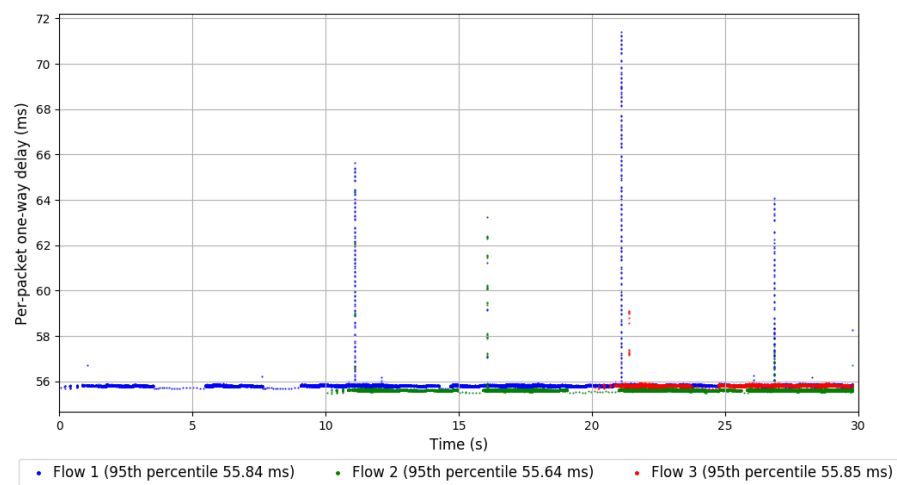
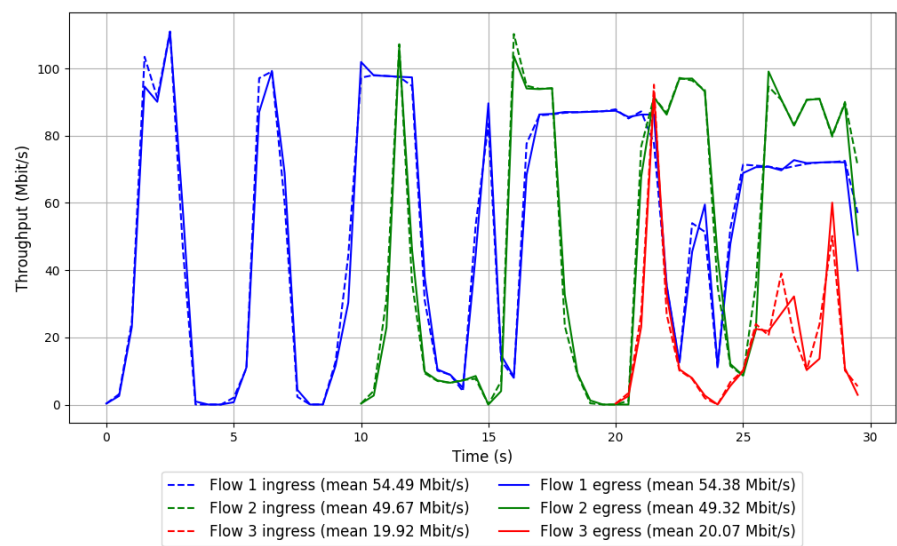
-- Flow 3:

Average throughput: 20.07 Mbit/s

95th percentile per-packet one-way delay: 55.851 ms

Loss rate: 0.94%

Run 10: Report of QUIC Cubic — Data Link

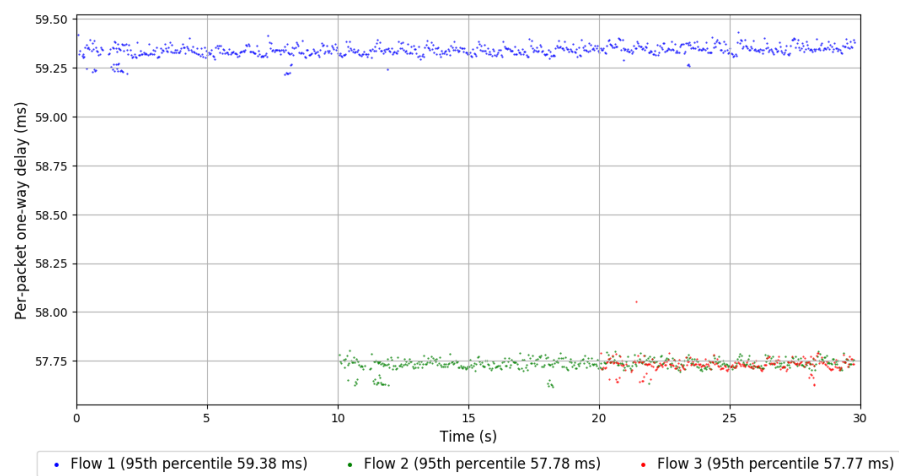
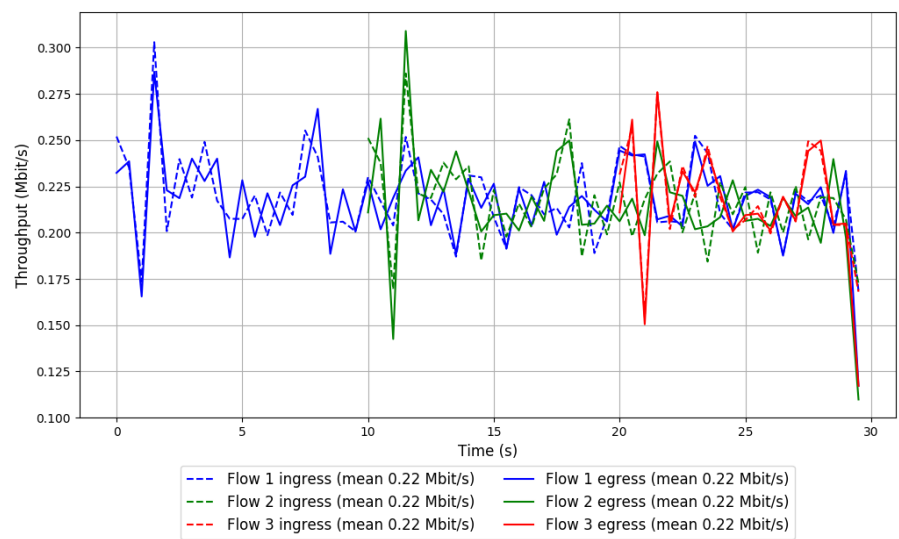


```
Run 1: Statistics of SReAM

Start at: 2017-09-21 19:38:59
End at: 2017-09-21 19:39:29
Local clock offset: 0.191 ms
Remote clock offset: 23.366 ms

# Below is generated by plot.py at 2017-09-22 02:38:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 59.376 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.385 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.777 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.775 ms
Loss rate: 1.53%
```

Run 1: Report of SCRaM — Data Link

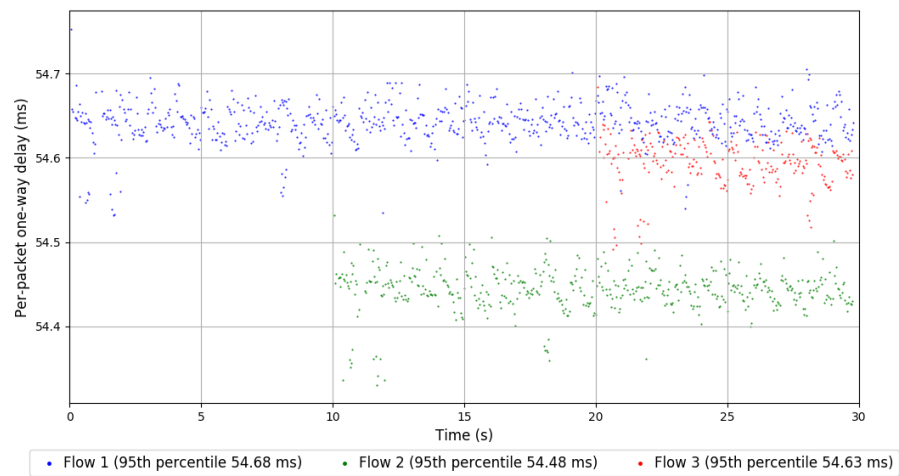
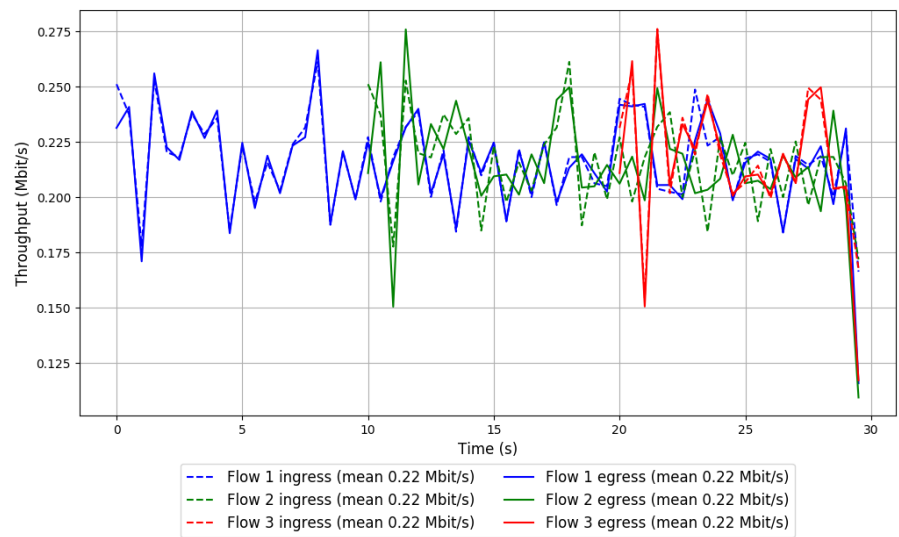


Run 2: Statistics of SReAM

Start at: 2017-09-21 19:59:18
End at: 2017-09-21 19:59:48
Local clock offset: 0.091 ms
Remote clock offset: 26.912 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.670 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.678 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.481 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.630 ms
Loss rate: 1.53%

Run 2: Report of SCReAM — Data Link

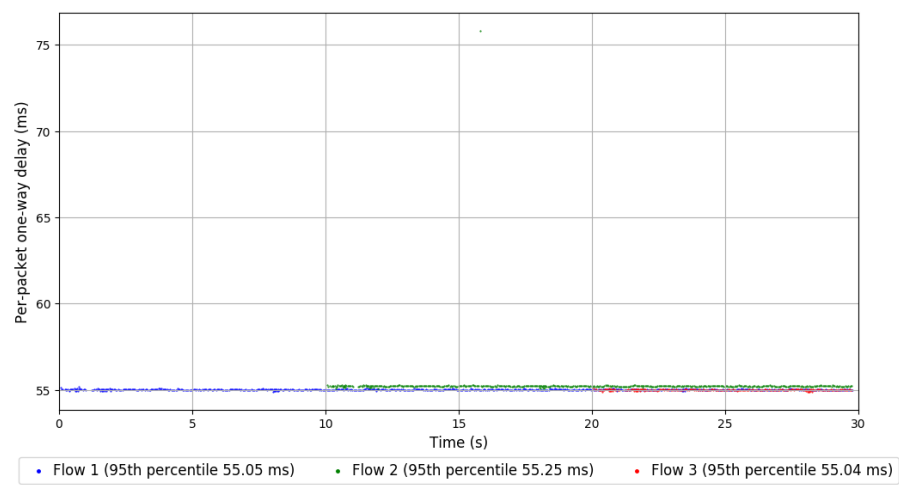
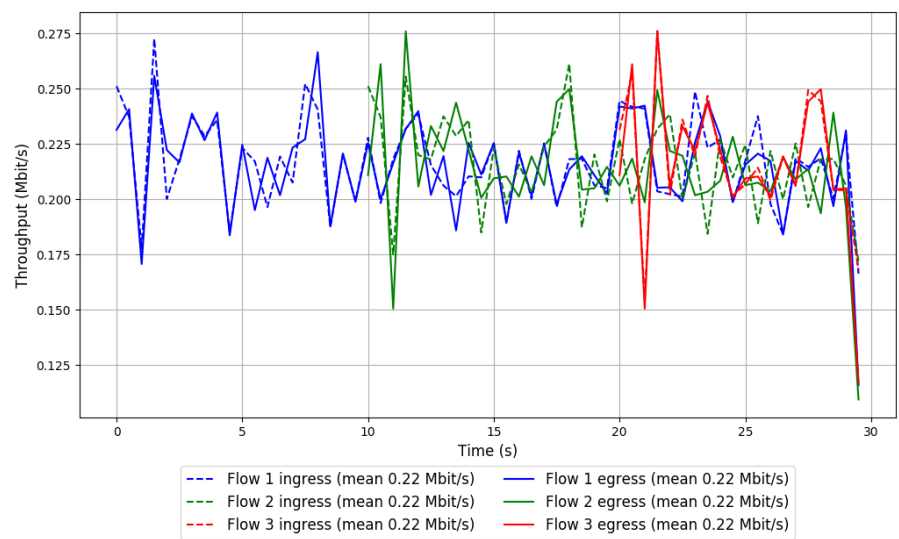


Run 3: Statistics of SReAM

Start at: 2017-09-21 20:19:42
End at: 2017-09-21 20:20:12
Local clock offset: 0.176 ms
Remote clock offset: 26.544 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 55.236 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.052 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.252 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.037 ms
Loss rate: 1.53%

Run 3: Report of SCRaM — Data Link



Run 4: Statistics of SReAM

Start at: 2017-09-21 20:40:20

End at: 2017-09-21 20:40:50

Local clock offset: 0.157 ms

Remote clock offset: 22.05 ms

Below is generated by plot.py at 2017-09-22 02:38:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 59.603 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 59.406 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 59.623 ms

Loss rate: 0.84%

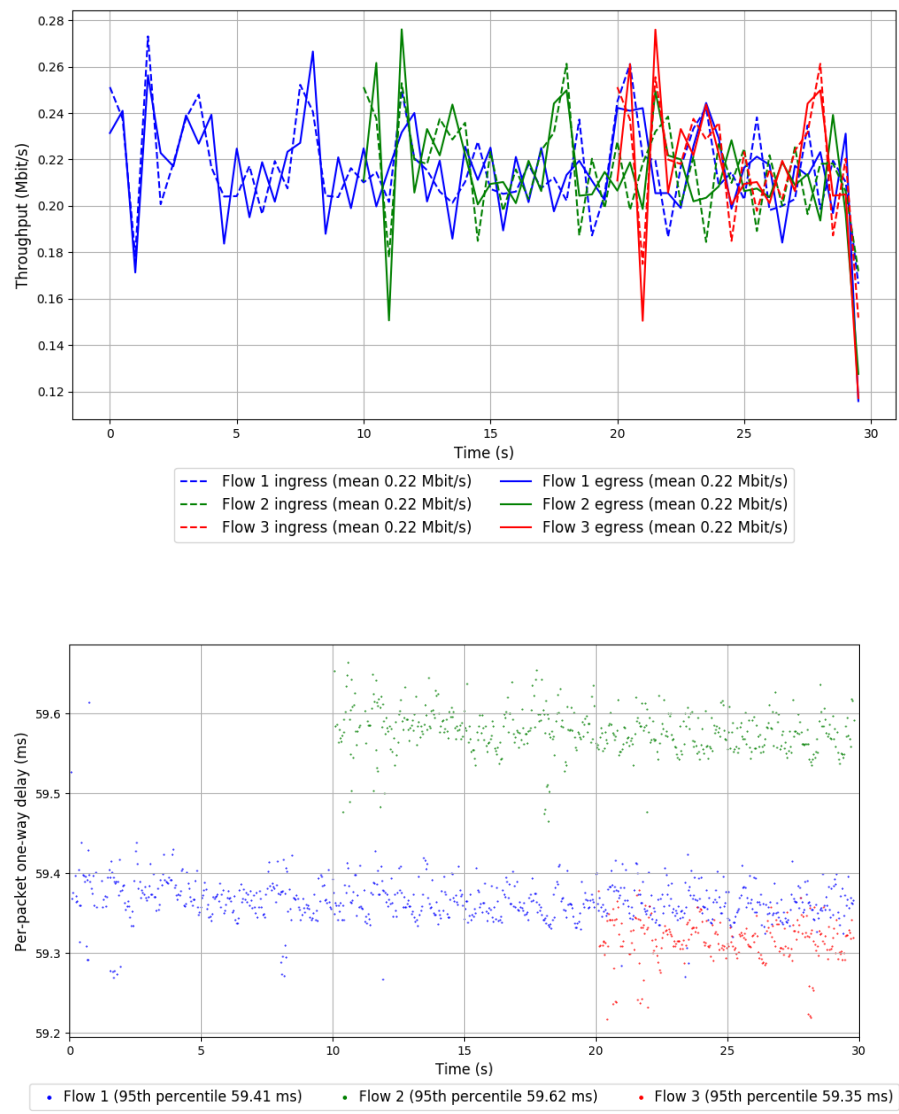
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 59.355 ms

Loss rate: 1.53%

Run 4: Report of SReAM — Data Link

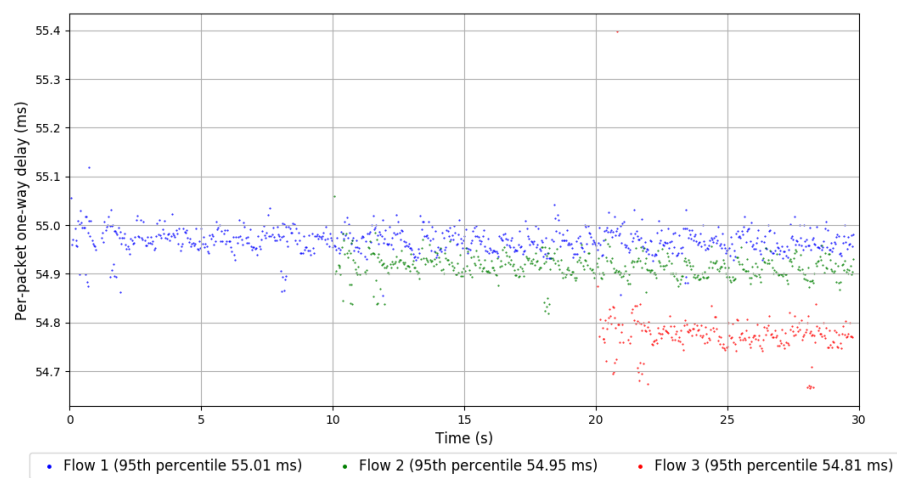
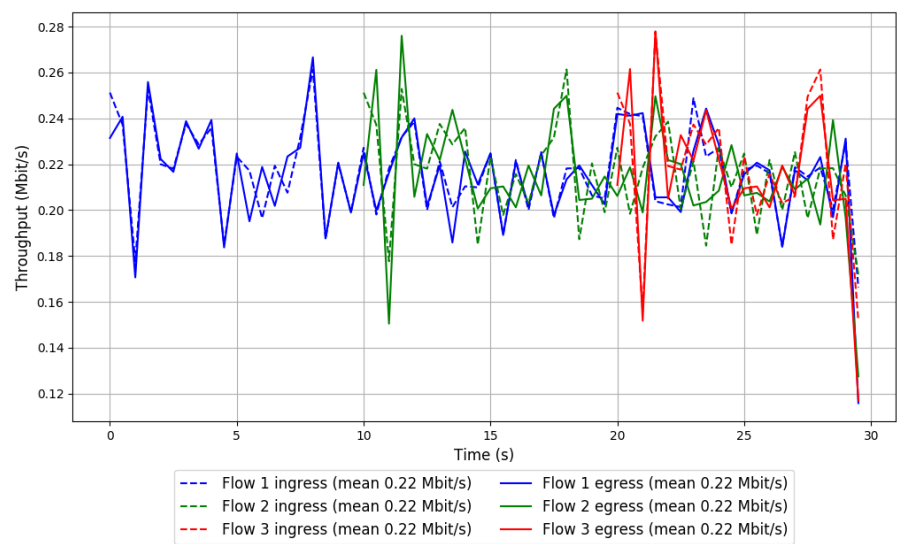


Run 5: Statistics of SReAM

Start at: 2017-09-21 21:01:13
End at: 2017-09-21 21:01:43
Local clock offset: 0.037 ms
Remote clock offset: 26.312 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.998 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.007 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.954 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.814 ms
Loss rate: 1.53%

Run 5: Report of SReAM — Data Link

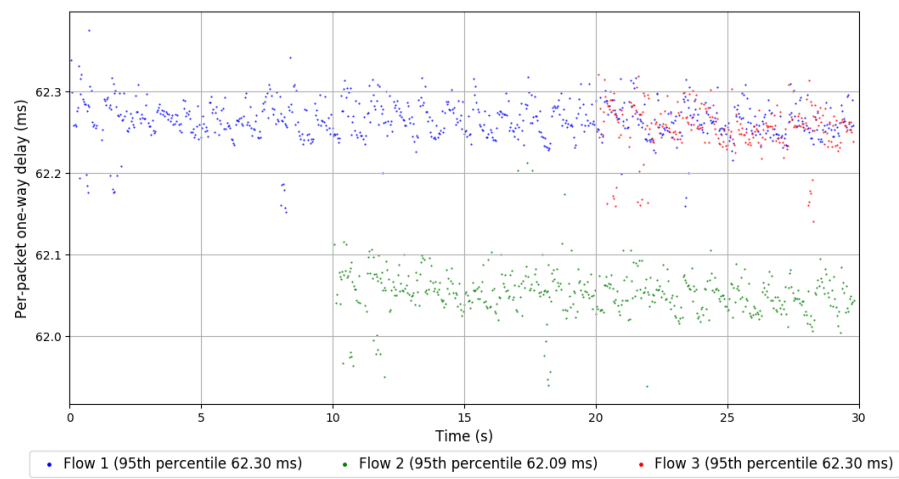
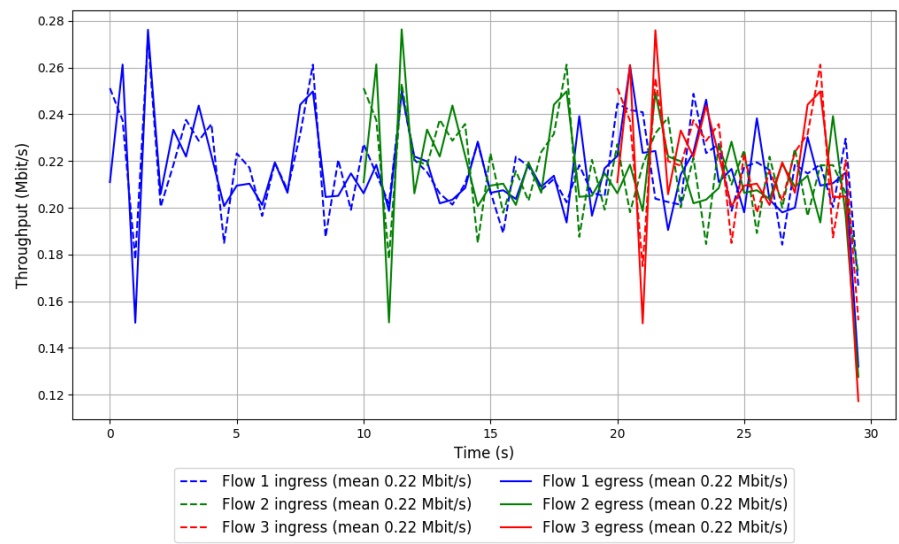


Run 6: Statistics of SReAM

Start at: 2017-09-21 21:21:55
End at: 2017-09-21 21:22:25
Local clock offset: 0.086 ms
Remote clock offset: 18.882 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 62.297 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.303 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.094 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.298 ms
Loss rate: 1.53%

Run 6: Report of SReAM — Data Link

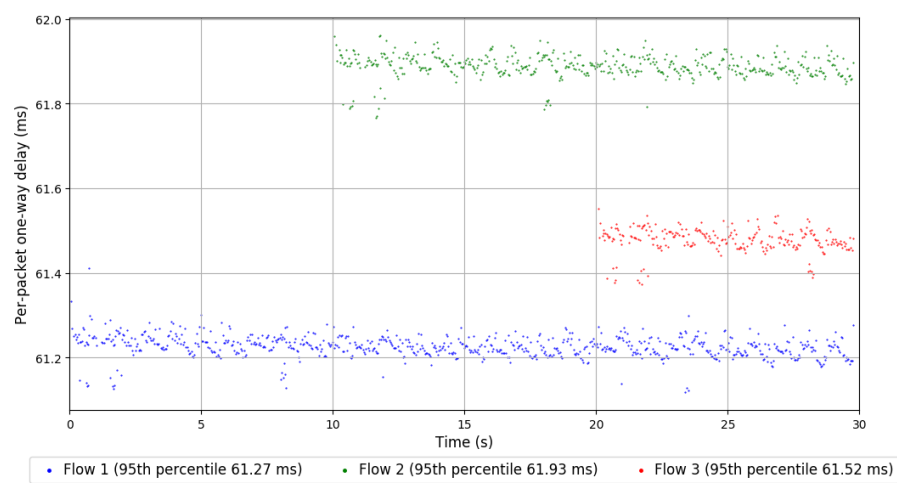
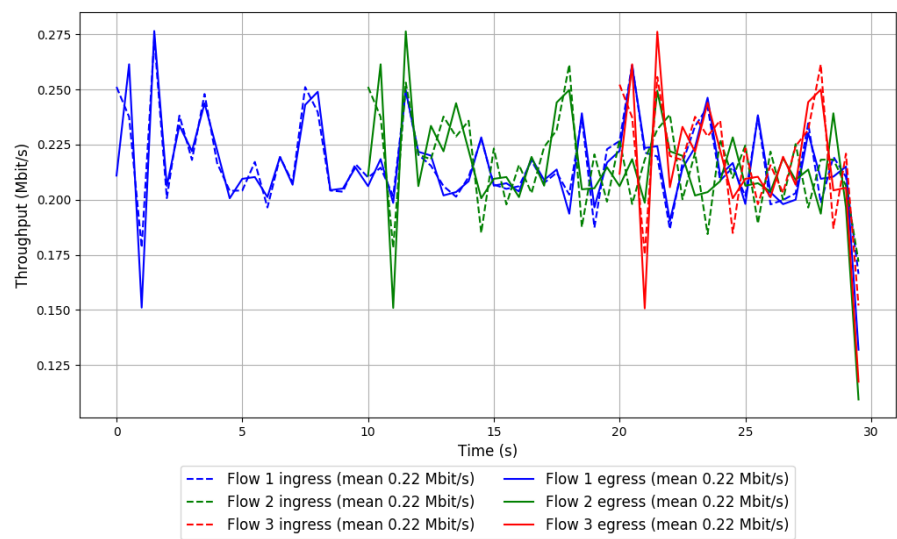


Run 7: Statistics of SReAM

Start at: 2017-09-21 21:42:05
End at: 2017-09-21 21:42:35
Local clock offset: -0.025 ms
Remote clock offset: 18.787 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.915 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.266 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.929 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.518 ms
Loss rate: 1.53%

Run 7: Report of SReAM — Data Link

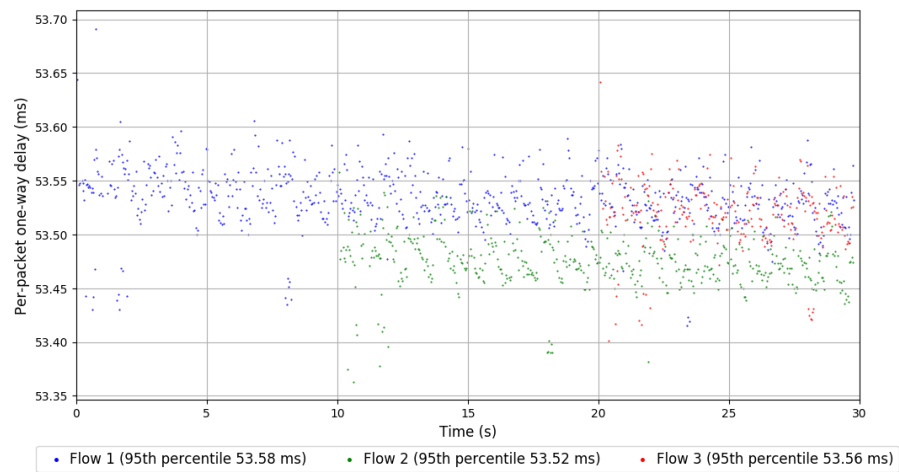
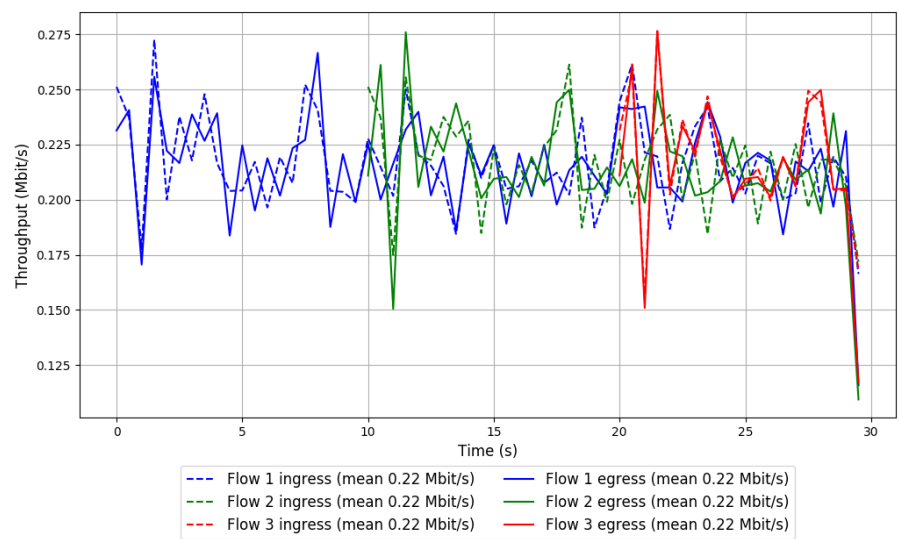


Run 8: Statistics of SReAM

Start at: 2017-09-21 22:03:05
End at: 2017-09-21 22:03:35
Local clock offset: 0.012 ms
Remote clock offset: 26.409 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.568 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.575 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.517 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.561 ms
Loss rate: 1.53%

Run 8: Report of SReAM — Data Link

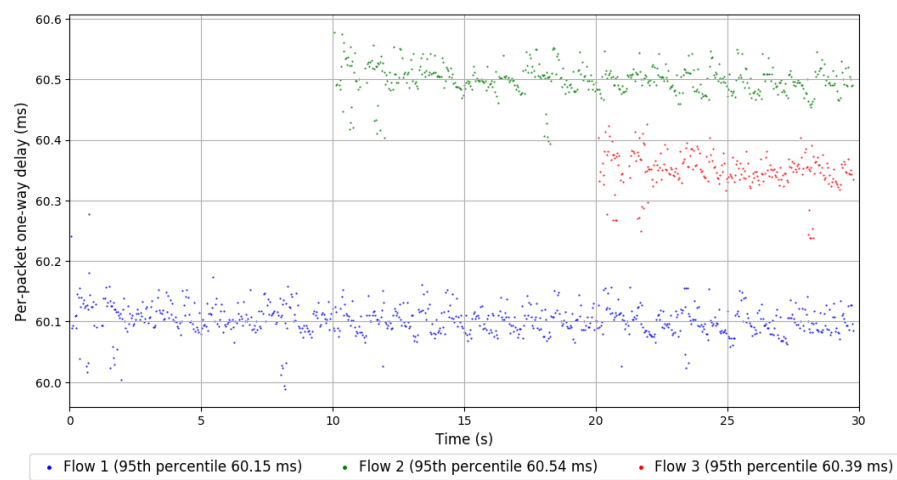
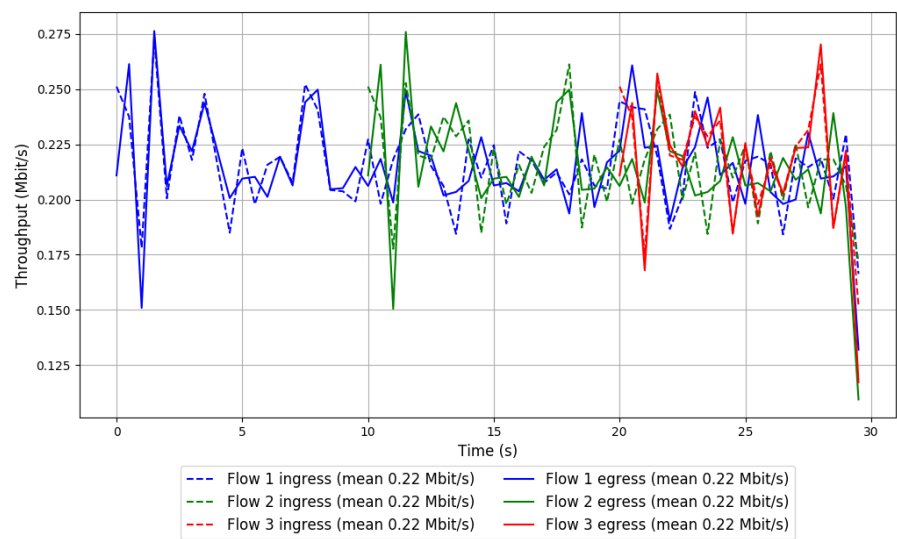


Run 9: Statistics of SReAM

Start at: 2017-09-21 22:24:29
End at: 2017-09-21 22:24:59
Local clock offset: 0.024 ms
Remote clock offset: 18.914 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 60.522 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.145 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.543 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.392 ms
Loss rate: 1.53%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

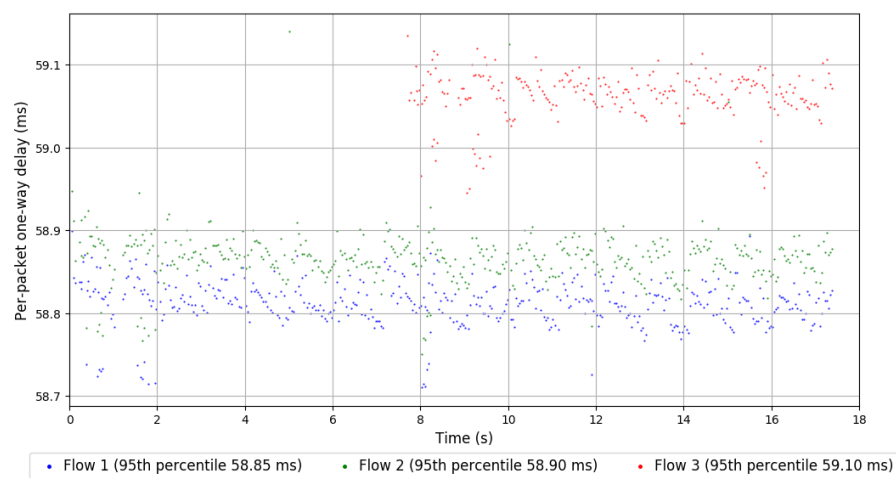
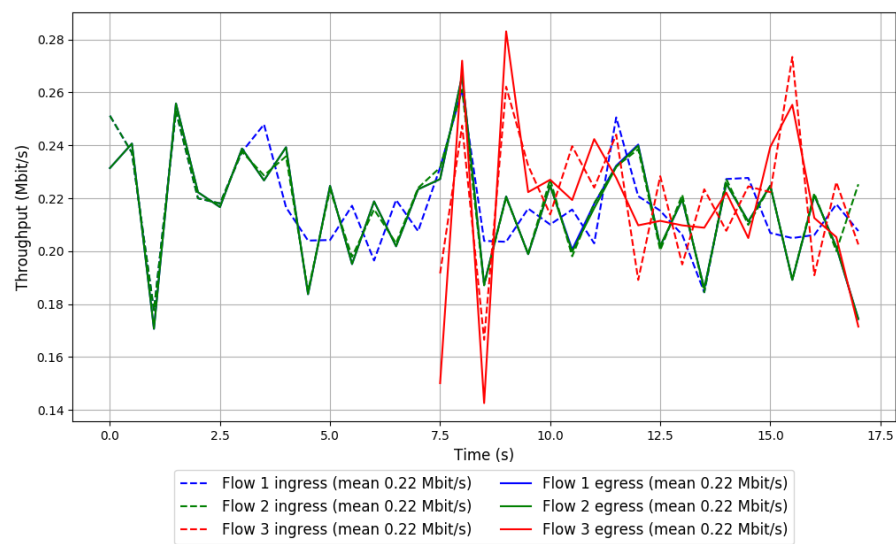
Start at: 2017-09-21 22:44:58

End at: 2017-09-21 22:45:28

Local clock offset: -0.07 ms

Remote clock offset: 19.964 ms

Run 10: Report of SReAM — Data Link

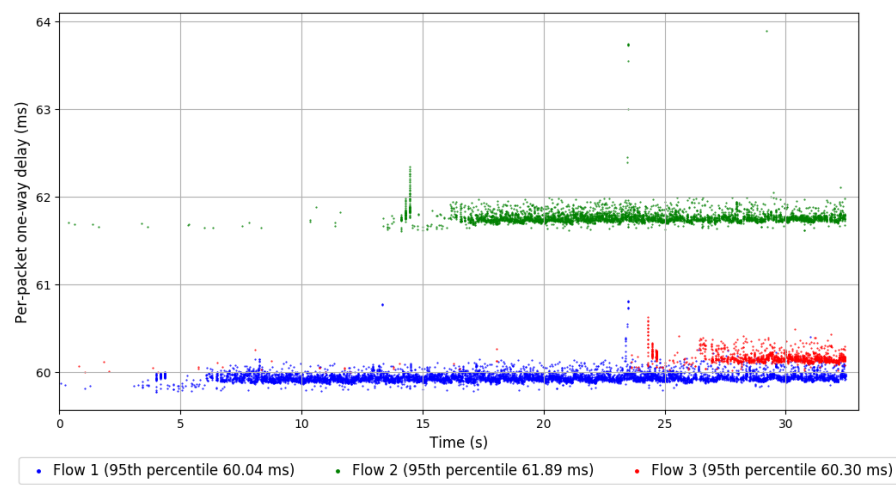
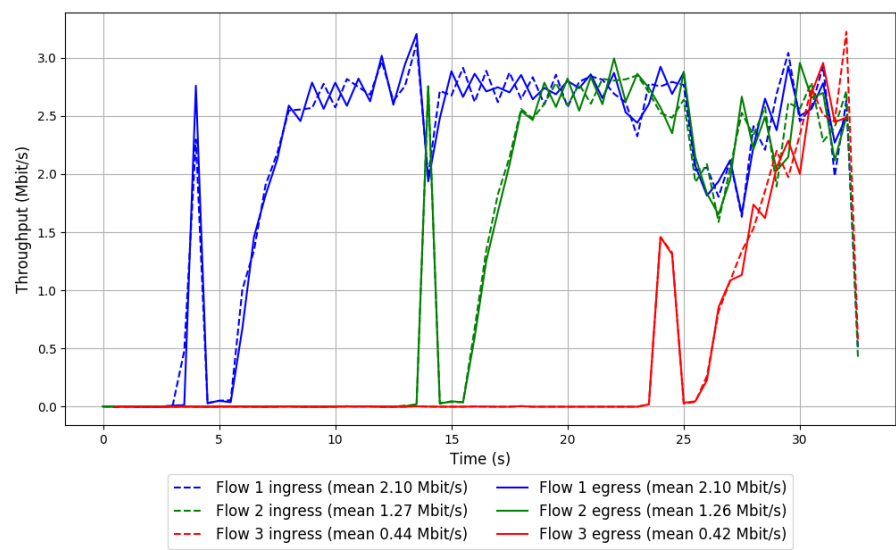


Run 1: Statistics of WebRTC media

Start at: 2017-09-21 19:36:21
End at: 2017-09-21 19:36:51
Local clock offset: 0.198 ms
Remote clock offset: 20.823 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 61.813 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 60.043 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 61.888 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 60.304 ms
Loss rate: 4.69%

Run 1: Report of WebRTC media — Data Link

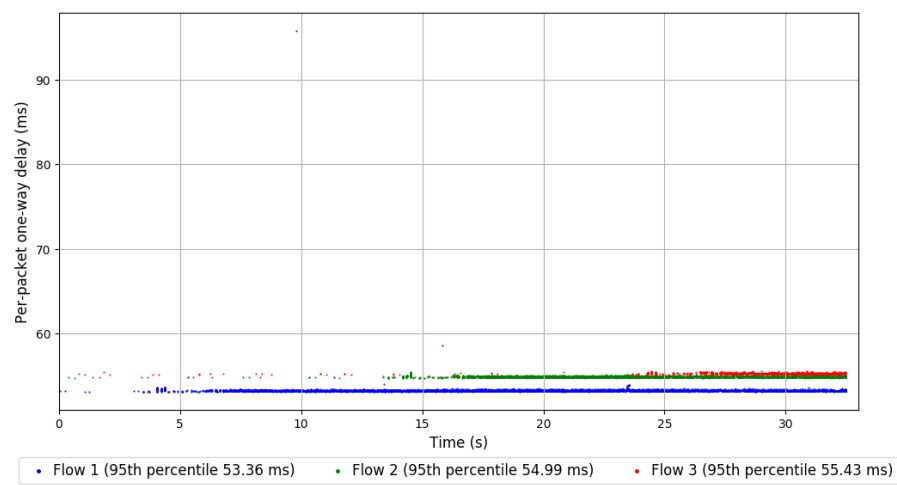
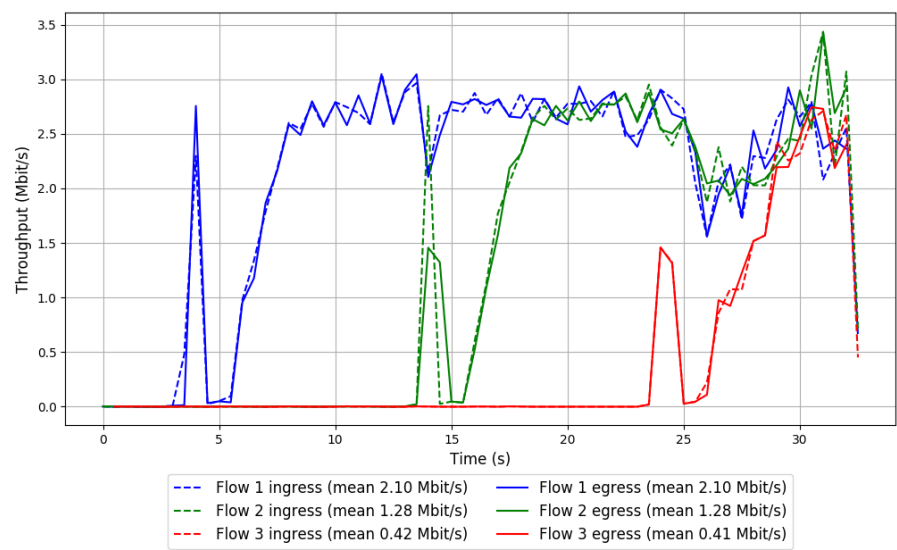


Run 2: Statistics of WebRTC media

Start at: 2017-09-21 19:56:44
End at: 2017-09-21 19:57:14
Local clock offset: 0.117 ms
Remote clock offset: 28.305 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 55.268 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 53.361 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 54.995 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 55.427 ms
Loss rate: 3.26%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

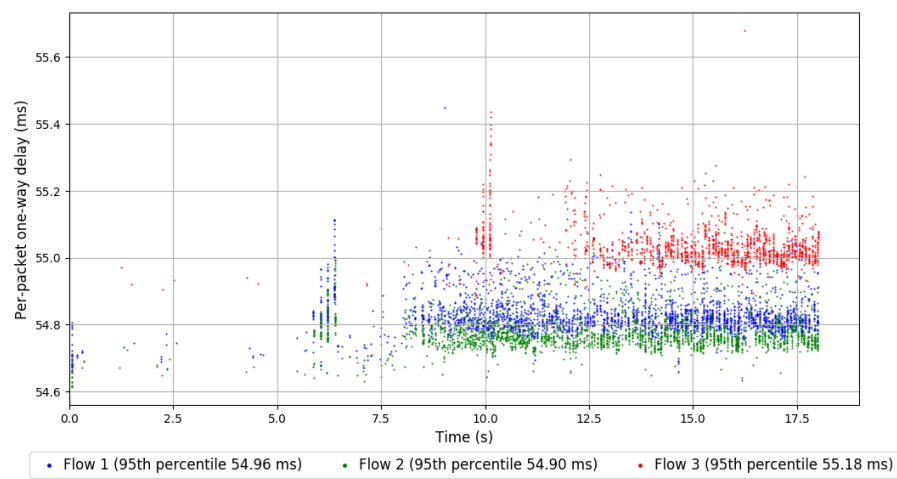
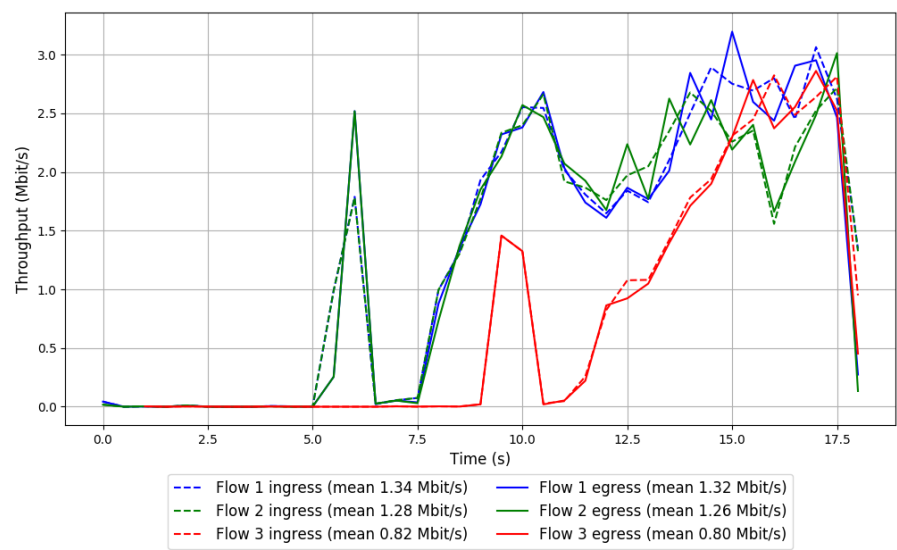
Start at: 2017-09-21 20:17:07

End at: 2017-09-21 20:17:37

Local clock offset: 0.141 ms

Remote clock offset: 26.733 ms

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

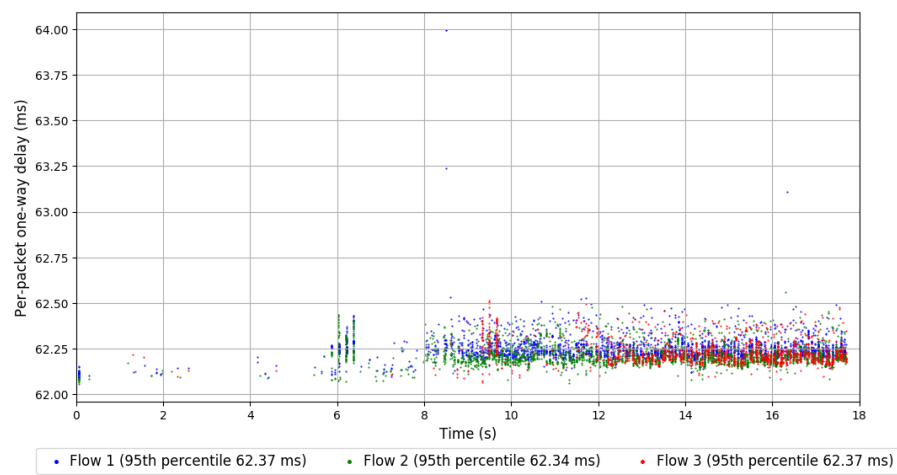
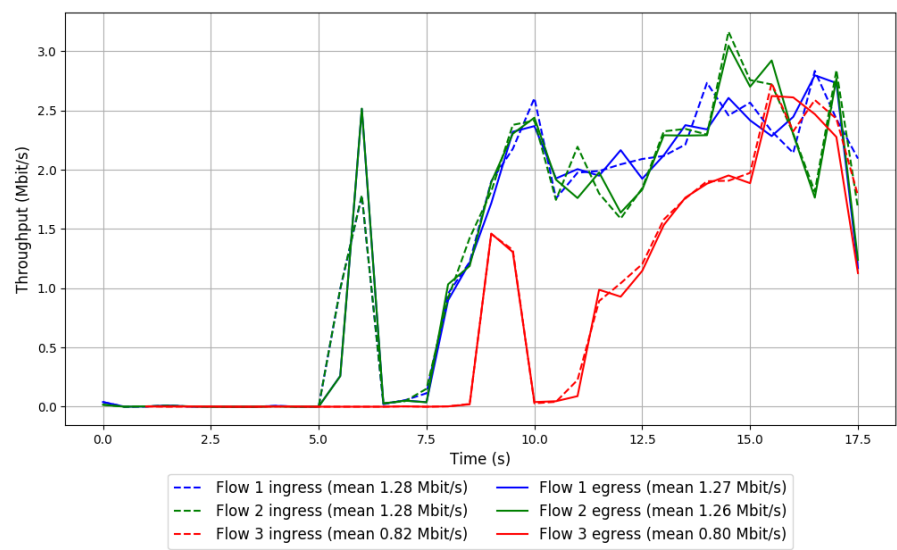
Start at: 2017-09-21 20:37:42

End at: 2017-09-21 20:38:12

Local clock offset: 0.086 ms

Remote clock offset: 19.111 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-21 20:58:35

End at: 2017-09-21 20:59:05

Local clock offset: 0.113 ms

Remote clock offset: 30.69 ms

Below is generated by plot.py at 2017-09-22 02:38:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.73 Mbit/s

95th percentile per-packet one-way delay: 51.005 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 51.041 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 50.800 ms

Loss rate: 1.17%

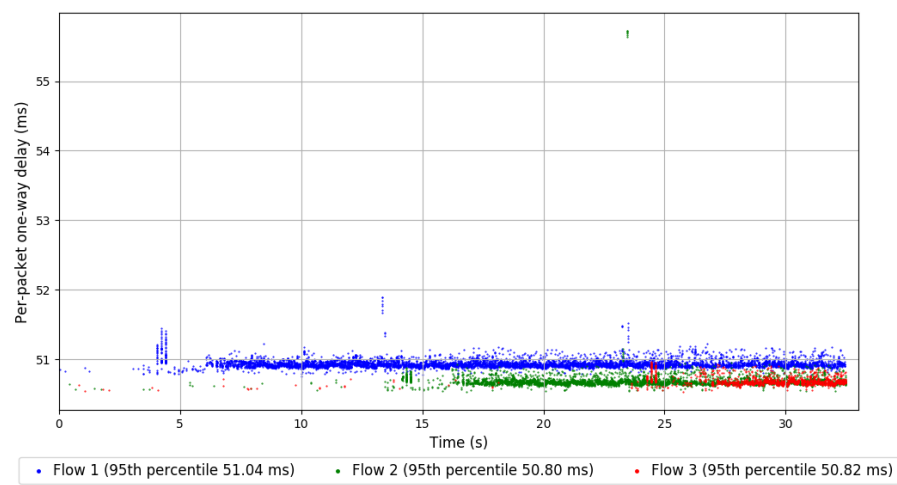
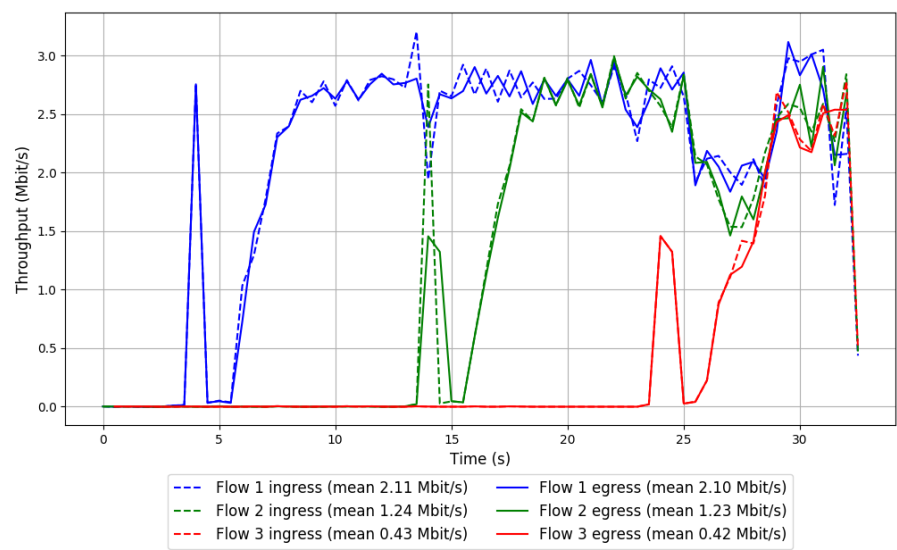
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 50.820 ms

Loss rate: 3.47%

Run 5: Report of WebRTC media — Data Link

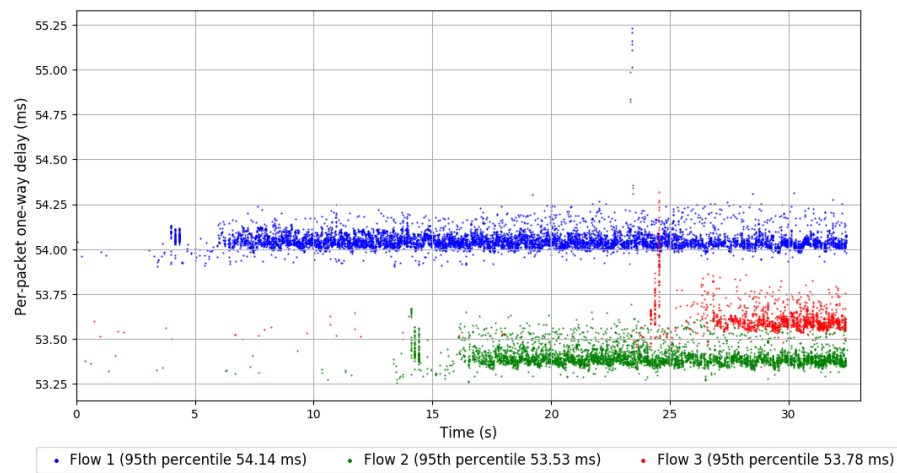
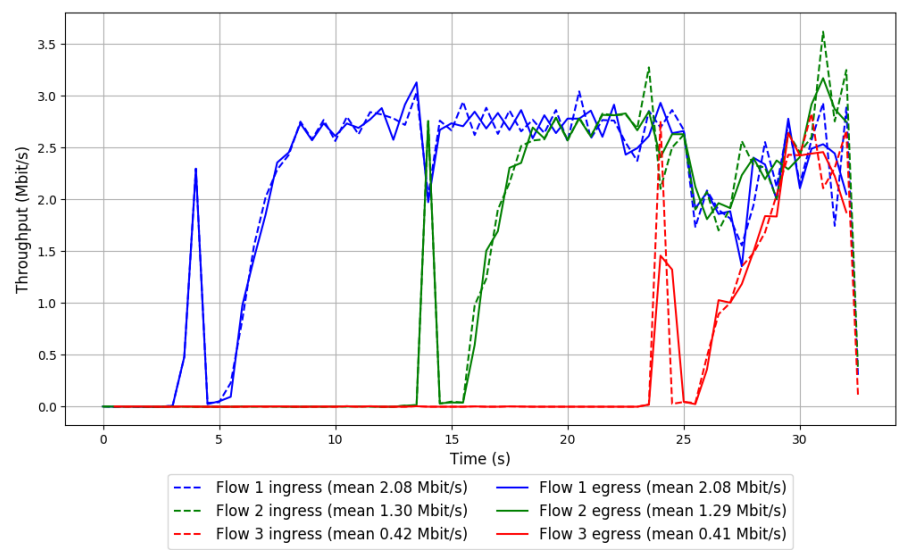


Run 6: Statistics of WebRTC media

Start at: 2017-09-21 21:19:19
End at: 2017-09-21 21:19:49
Local clock offset: -0.011 ms
Remote clock offset: 27.037 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 54.109 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 54.142 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 53.531 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 53.782 ms
Loss rate: 3.82%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

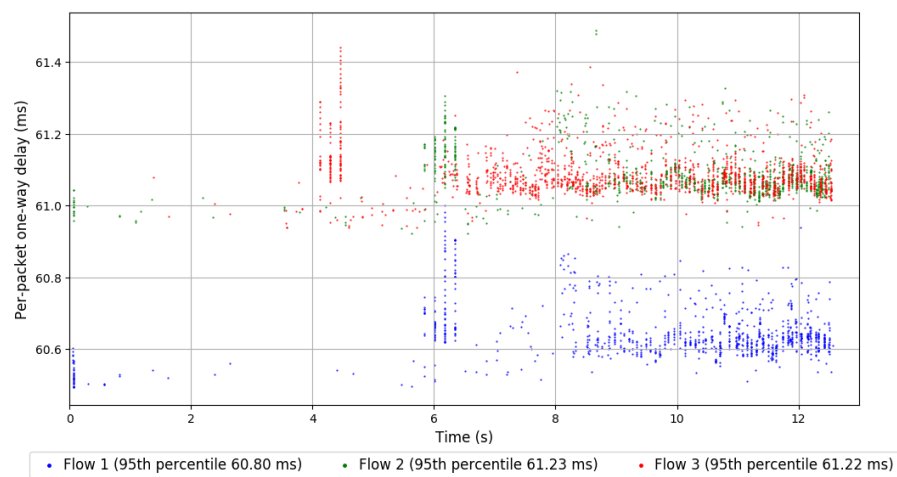
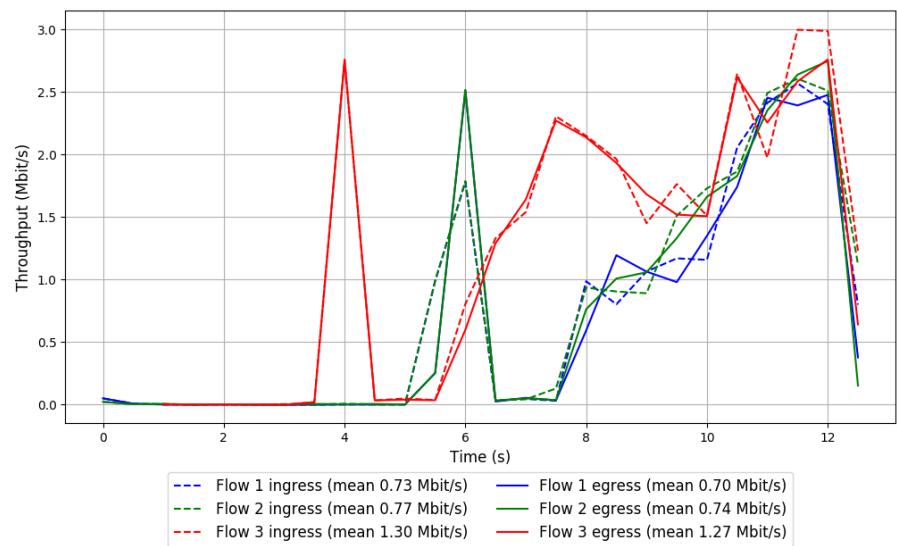
Start at: 2017-09-21 21:39:32

End at: 2017-09-21 21:40:02

Local clock offset: 0.025 ms

Remote clock offset: 19.54 ms

Run 7: Report of WebRTC media — Data Link

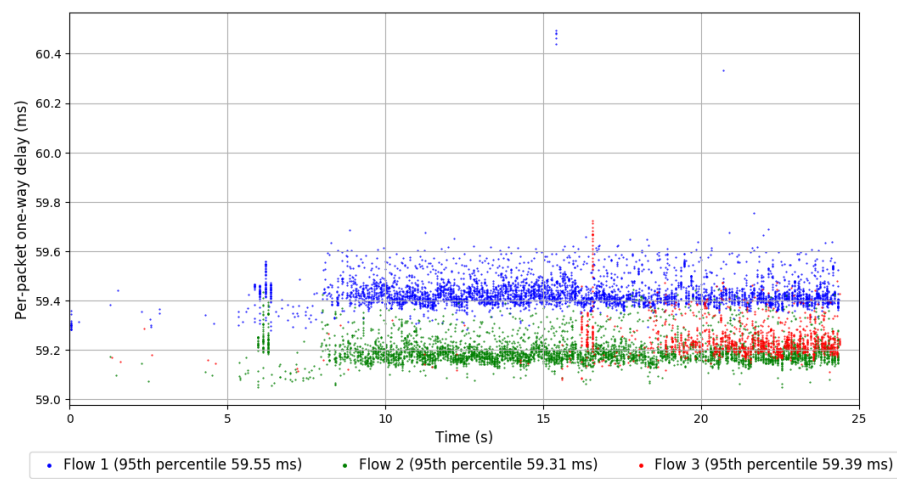
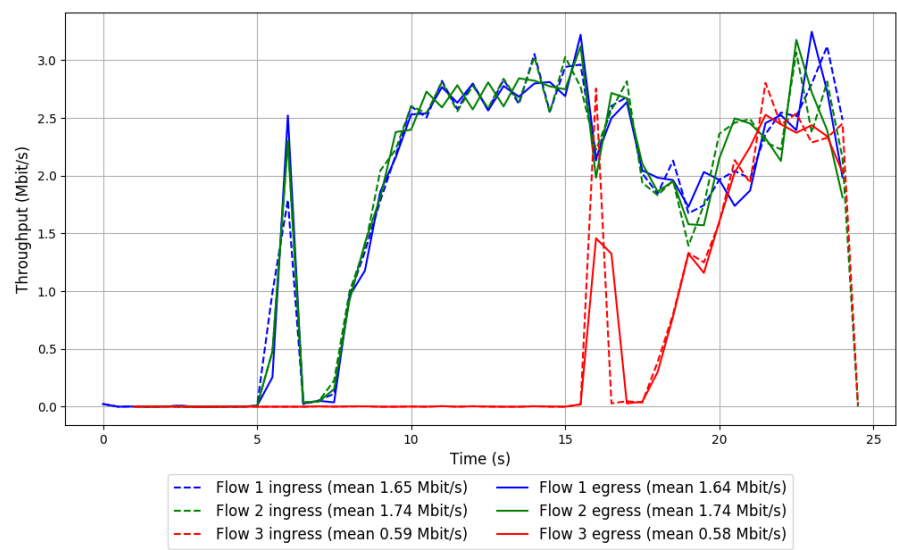


Run 8: Statistics of WebRTC media

Start at: 2017-09-21 22:00:31
End at: 2017-09-21 22:01:01
Local clock offset: -0.059 ms
Remote clock offset: 20.711 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 59.499 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 59.549 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 59.306 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 59.388 ms
Loss rate: 2.65%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-09-21 22:21:55

End at: 2017-09-21 22:22:25

Local clock offset: 0.121 ms

Remote clock offset: 9.024 ms

Below is generated by plot.py at 2017-09-22 02:38:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 70.895 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 70.928 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 70.675 ms

Loss rate: 1.14%

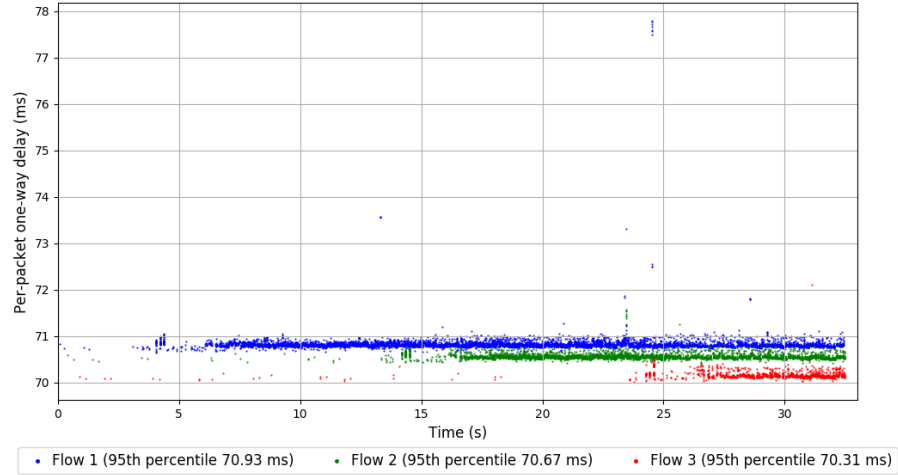
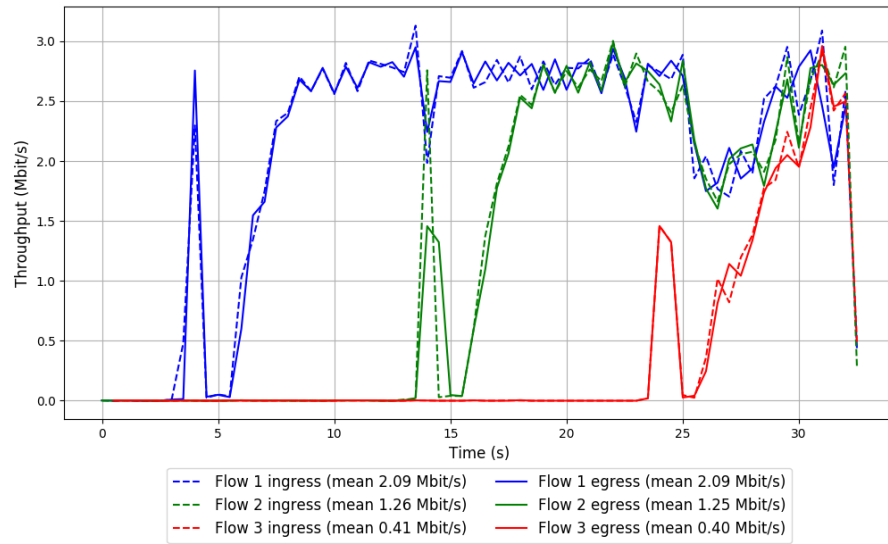
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 70.309 ms

Loss rate: 3.70%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

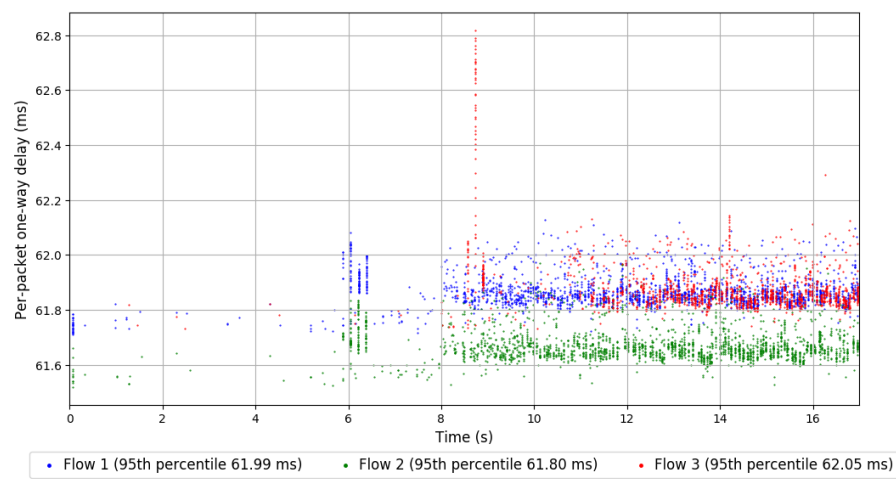
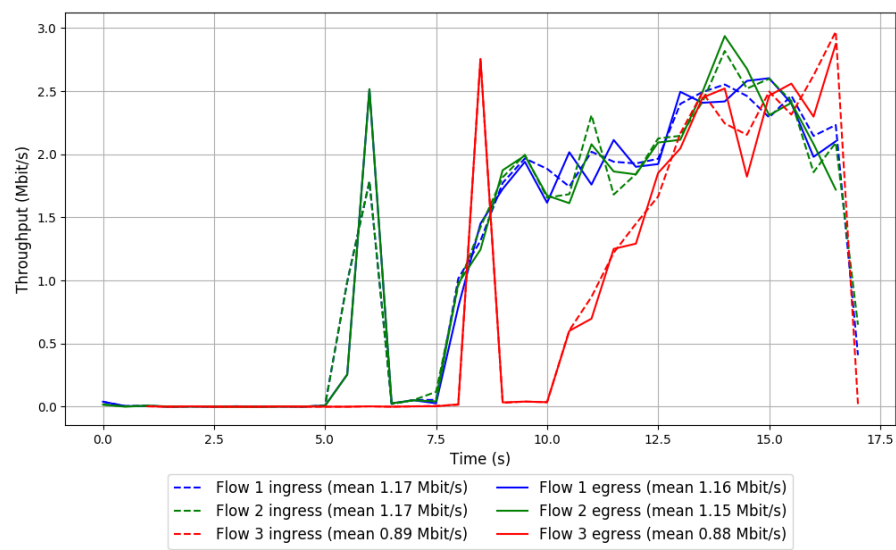
Start at: 2017-09-21 22:42:22

End at: 2017-09-21 22:42:52

Local clock offset: -0.068 ms

Remote clock offset: 16.989 ms

Run 10: Report of WebRTC media — Data Link

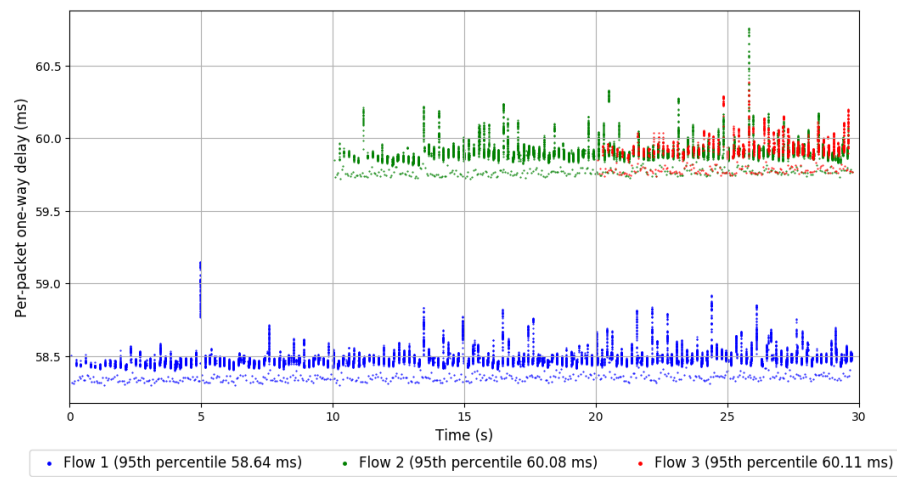
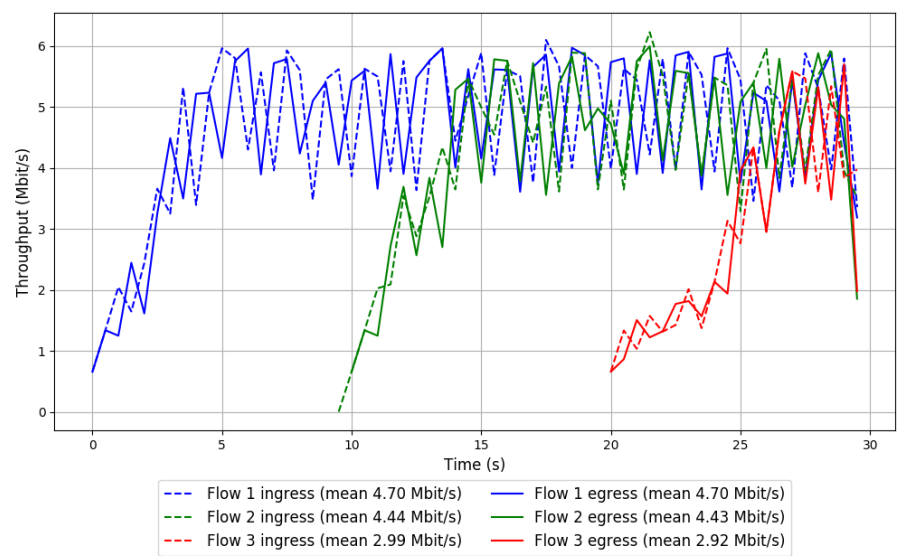


Run 1: Statistics of Sprout

Start at: 2017-09-21 19:33:27
End at: 2017-09-21 19:33:57
Local clock offset: 0.187 ms
Remote clock offset: 22.362 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 60.021 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 58.636 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 60.080 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 60.110 ms
Loss rate: 3.42%

Run 1: Report of Sprout — Data Link

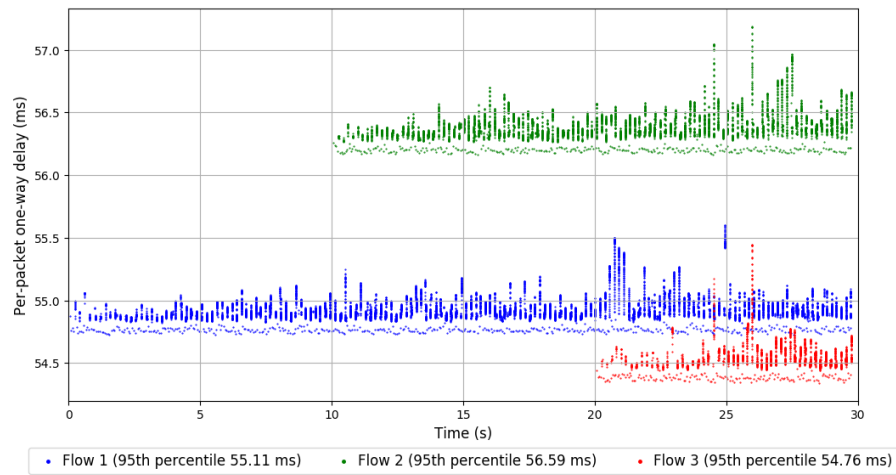
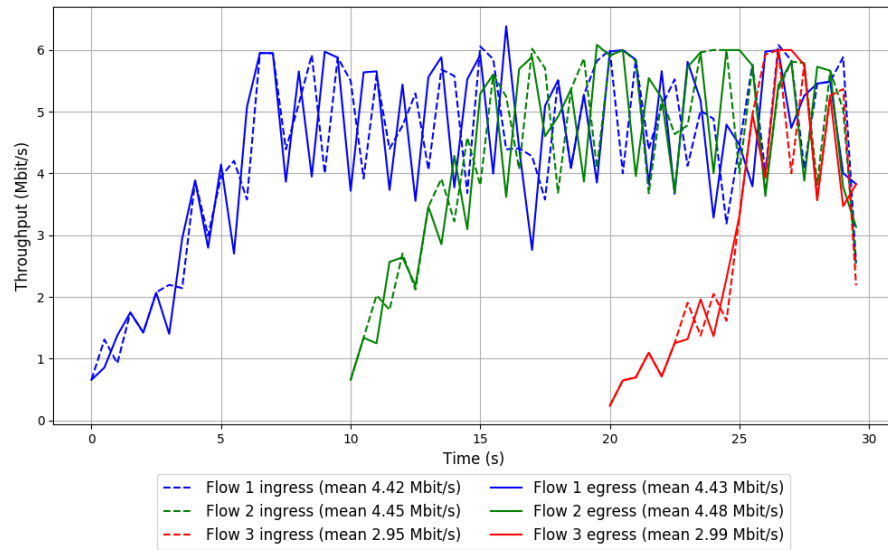


Run 2: Statistics of Sprout

Start at: 2017-09-21 19:53:48
End at: 2017-09-21 19:54:18
Local clock offset: 0.157 ms
Remote clock offset: 26.857 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 56.495 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 55.109 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 56.594 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 54.763 ms
Loss rate: 0.49%

Run 2: Report of Sprout — Data Link

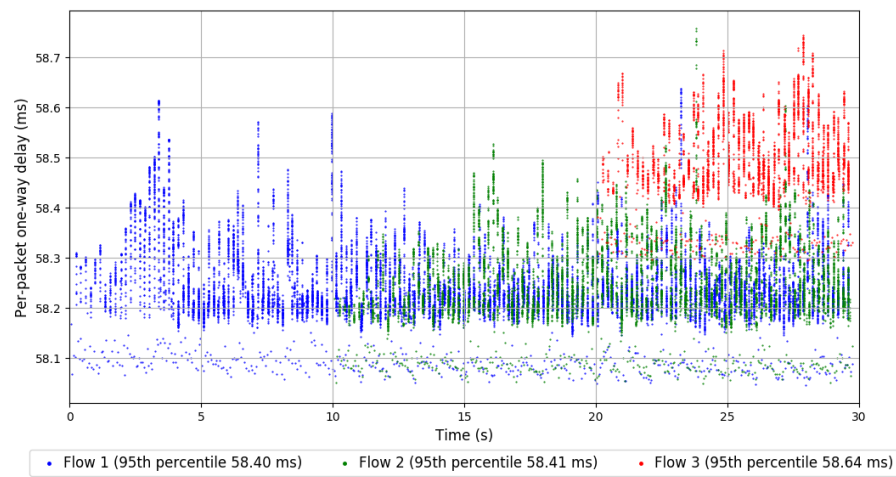
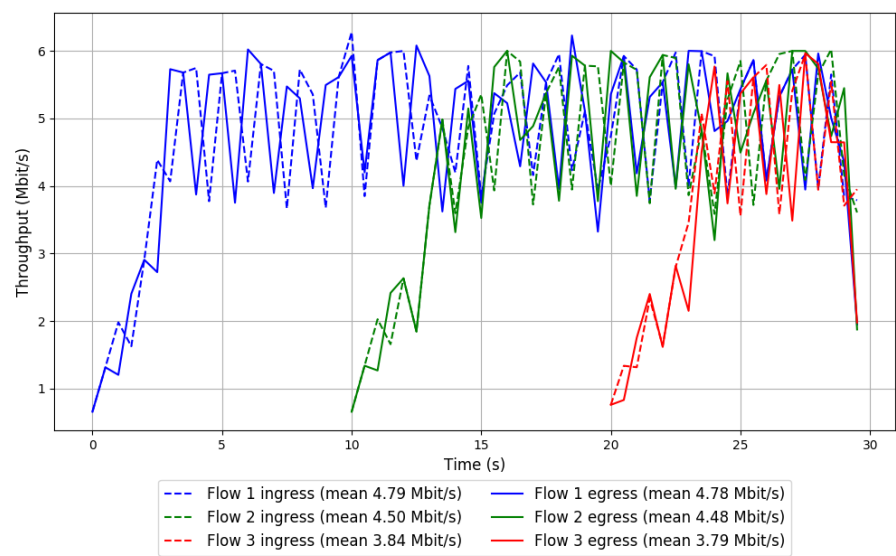


Run 3: Statistics of Sprout

Start at: 2017-09-21 20:14:12
End at: 2017-09-21 20:14:42
Local clock offset: 0.093 ms
Remote clock offset: 23.323 ms

```
# Below is generated by plot.py at 2017-09-22 02:38:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 58.540 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 58.395 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 58.409 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 58.640 ms
Loss rate: 2.63%
```


Run 3: Report of Sprout — Data Link

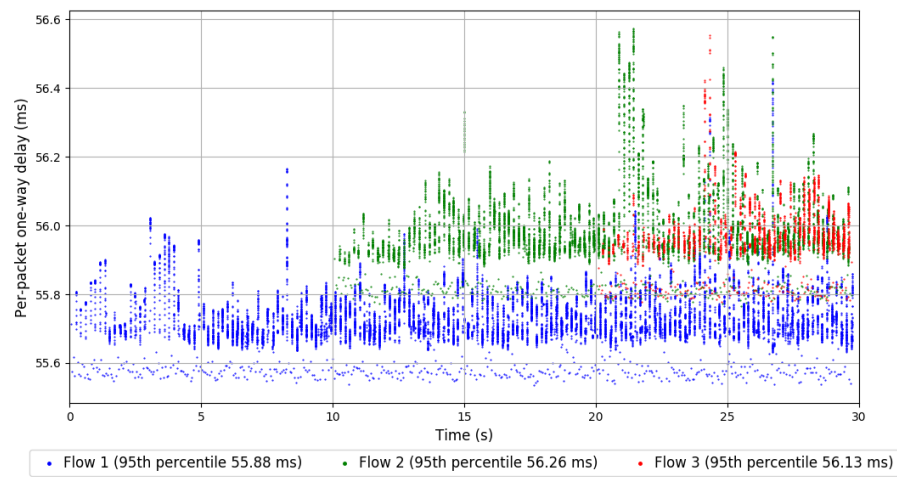
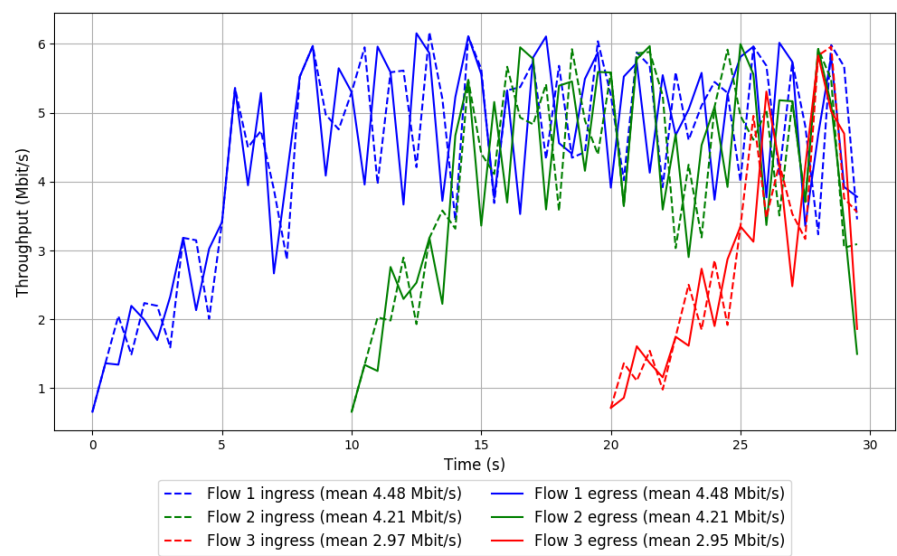


Run 4: Statistics of Sprout

Start at: 2017-09-21 20:34:47
End at: 2017-09-21 20:35:17
Local clock offset: 0.149 ms
Remote clock offset: 25.526 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 56.123 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 55.880 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 56.262 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 56.129 ms
Loss rate: 2.91%

Run 4: Report of Sprout — Data Link

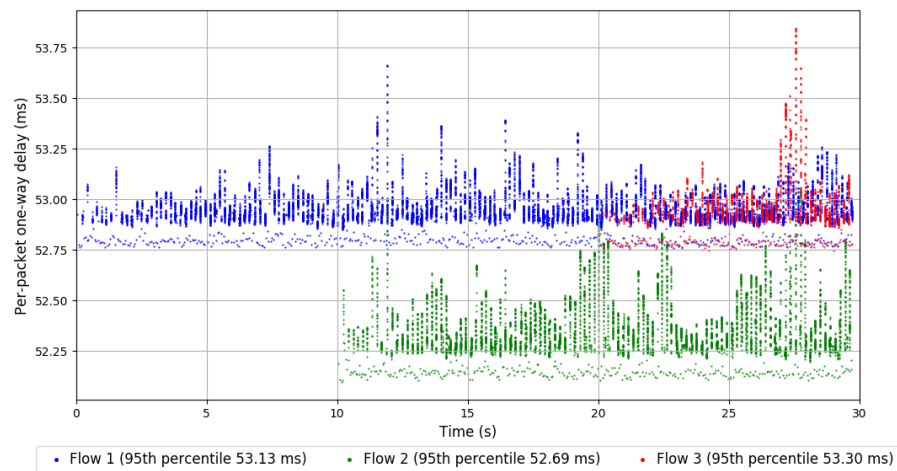
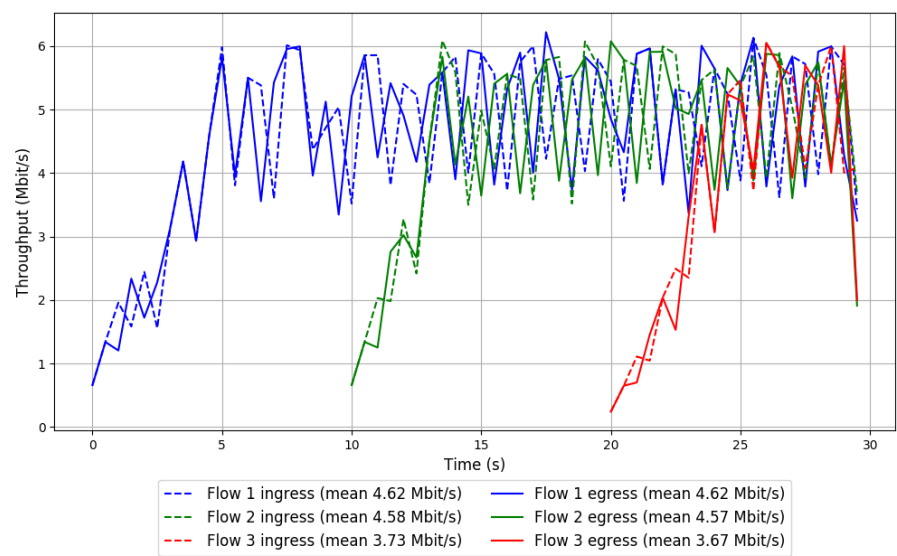


Run 5: Statistics of Sprout

Start at: 2017-09-21 20:55:38
End at: 2017-09-21 20:56:08
Local clock offset: 0.056 ms
Remote clock offset: 28.671 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.84 Mbit/s
95th percentile per-packet one-way delay: 53.096 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 53.131 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 52.691 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 53.299 ms
Loss rate: 2.85%

Run 5: Report of Sprout — Data Link

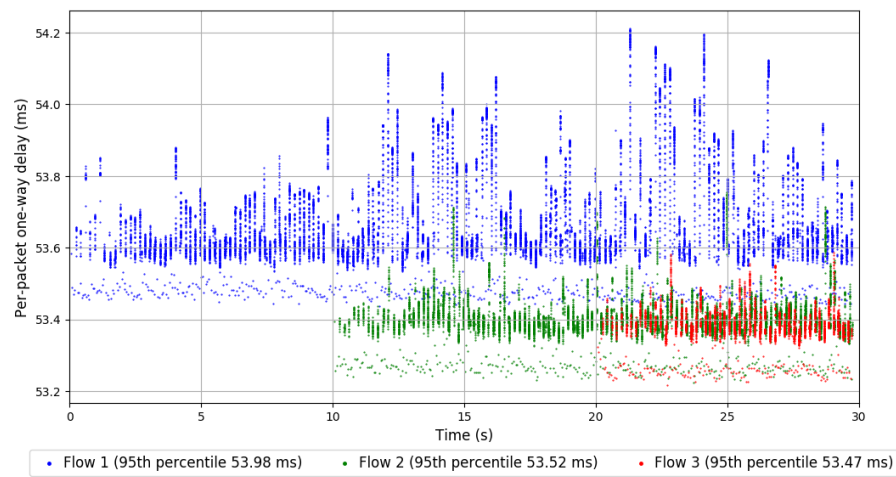
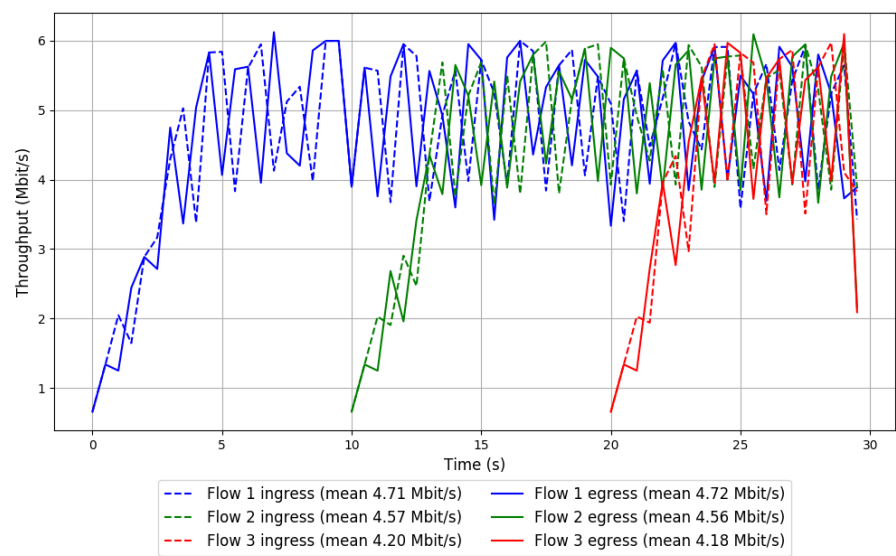


Run 6: Statistics of Sprout

Start at: 2017-09-21 21:16:25
End at: 2017-09-21 21:16:55
Local clock offset: 0.046 ms
Remote clock offset: 27.375 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 53.979 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 53.516 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 53.469 ms
Loss rate: 2.11%

Run 6: Report of Sprout — Data Link

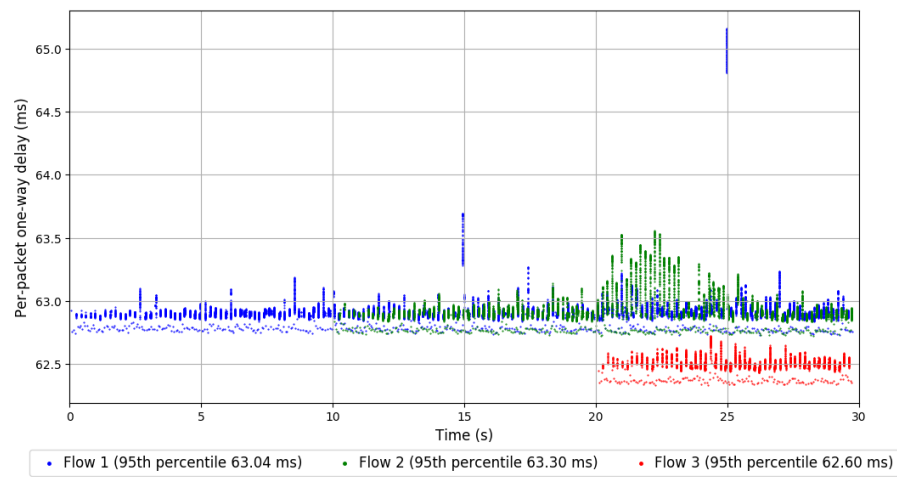
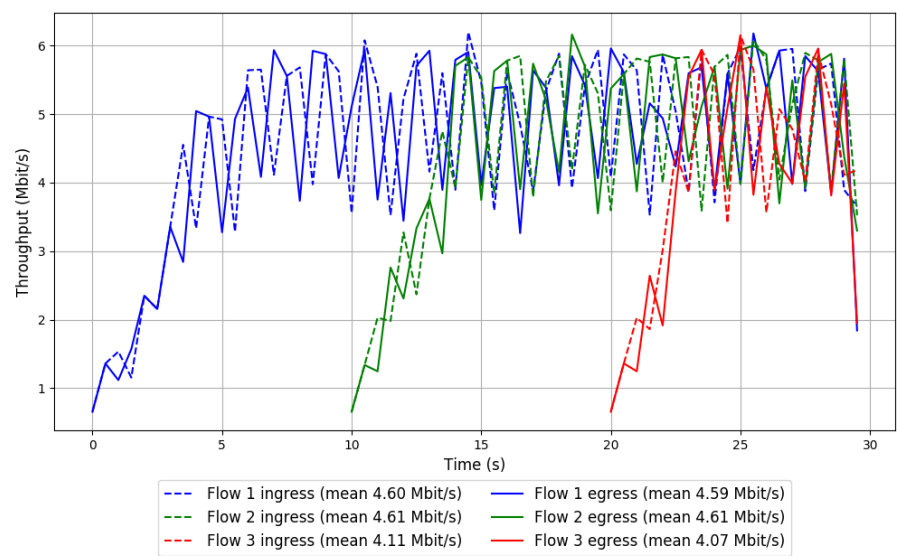


Run 7: Statistics of Sprout

Start at: 2017-09-21 21:36:38
End at: 2017-09-21 21:37:08
Local clock offset: 0.078 ms
Remote clock offset: 18.079 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 63.117 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 63.044 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 63.300 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 62.602 ms
Loss rate: 2.76%

Run 7: Report of Sprout — Data Link

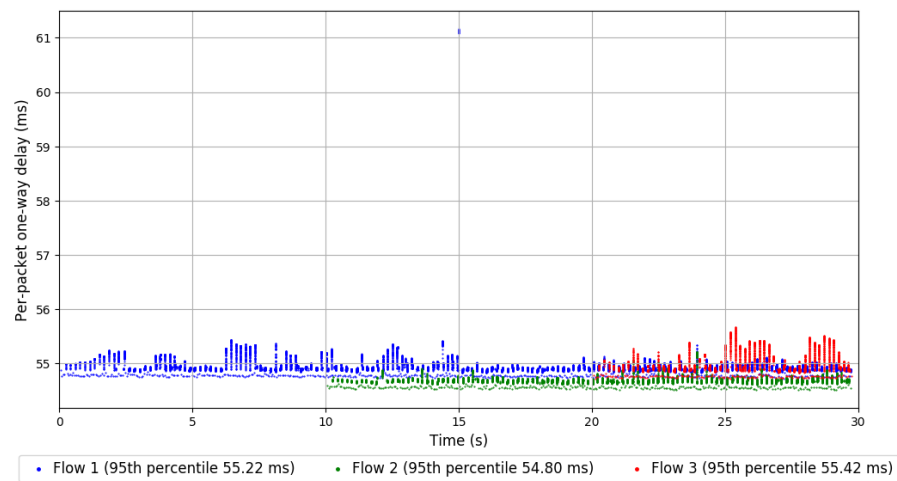
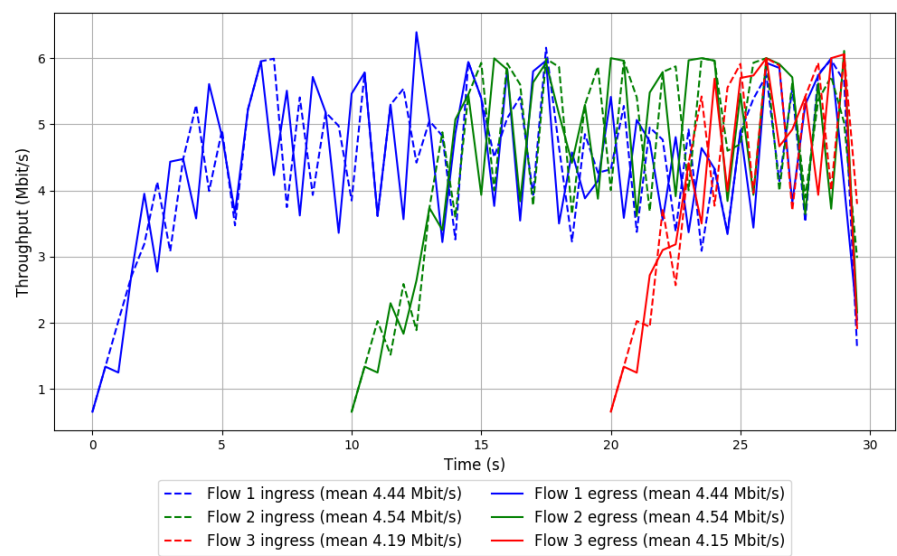


Run 8: Statistics of Sprout

Start at: 2017-09-21 21:57:31
End at: 2017-09-21 21:58:01
Local clock offset: 0.063 ms
Remote clock offset: 25.235 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 55.261 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 55.218 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 54.796 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 55.418 ms
Loss rate: 2.29%

Run 8: Report of Sprout — Data Link

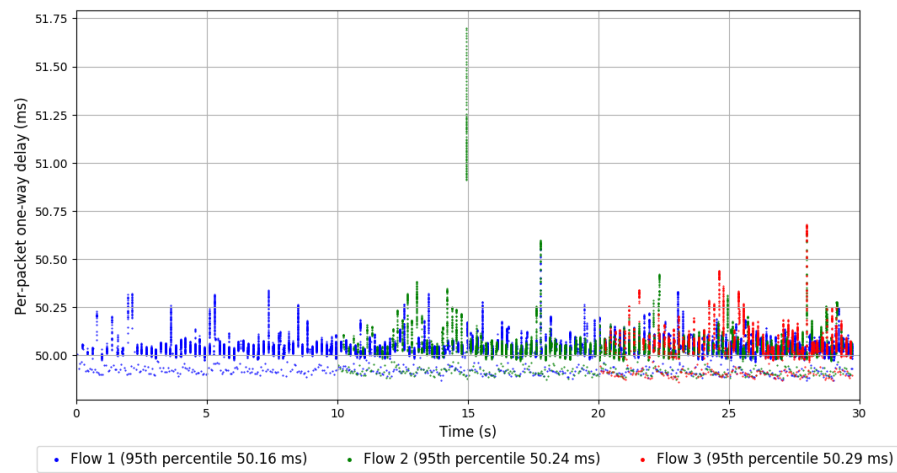
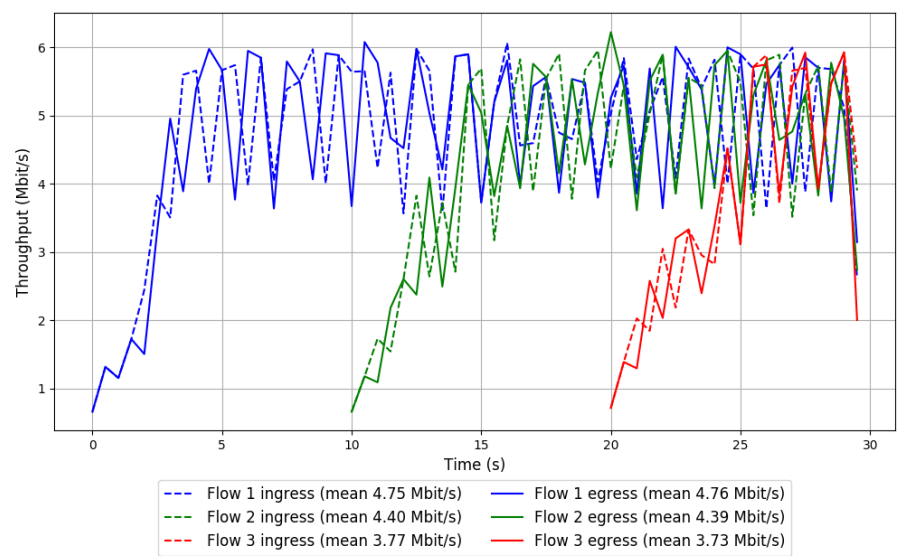


Run 9: Statistics of Sprout

Start at: 2017-09-21 22:18:55
End at: 2017-09-21 22:19:25
Local clock offset: 0.201 ms
Remote clock offset: 29.708 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.87 Mbit/s
95th percentile per-packet one-way delay: 50.211 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 50.164 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 50.243 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 50.292 ms
Loss rate: 3.01%

Run 9: Report of Sprout — Data Link

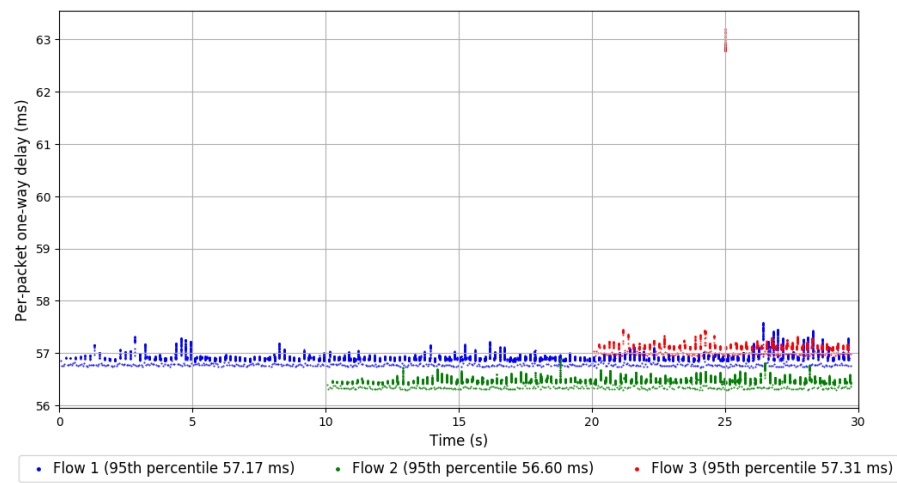
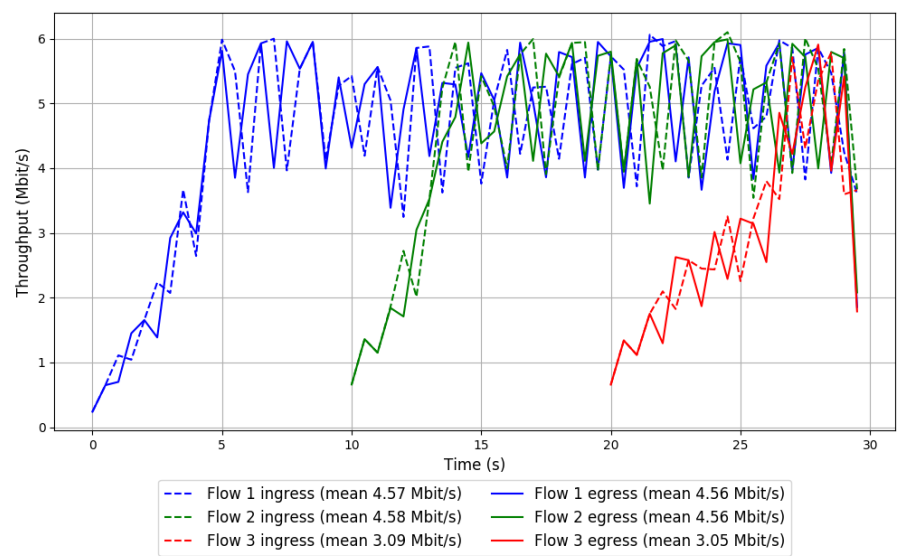


Run 10: Statistics of Sprout

Start at: 2017-09-21 22:39:28
End at: 2017-09-21 22:39:58
Local clock offset: 0.014 ms
Remote clock offset: 22.353 ms

Below is generated by plot.py at 2017-09-22 02:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 57.167 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 57.170 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 56.596 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 57.314 ms
Loss rate: 3.09%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-09-21 19:41:43

End at: 2017-09-21 19:42:13

Local clock offset: 0.199 ms

Remote clock offset: 21.5 ms

Below is generated by plot.py at 2017-09-22 02:46:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 389.34 Mbit/s

95th percentile per-packet one-way delay: 61.648 ms

Loss rate: 3.21%

-- Flow 1:

Average throughput: 229.74 Mbit/s

95th percentile per-packet one-way delay: 59.724 ms

Loss rate: 2.12%

-- Flow 2:

Average throughput: 197.23 Mbit/s

95th percentile per-packet one-way delay: 63.116 ms

Loss rate: 3.94%

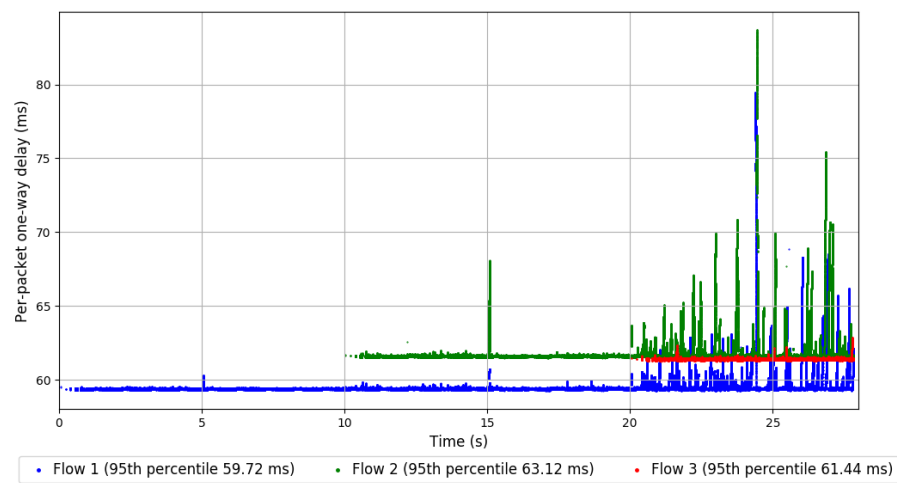
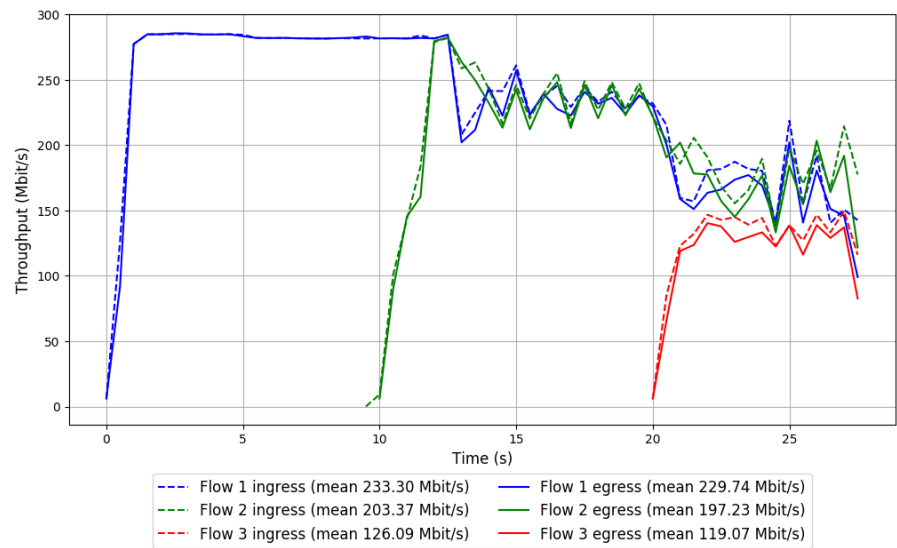
-- Flow 3:

Average throughput: 119.07 Mbit/s

95th percentile per-packet one-way delay: 61.441 ms

Loss rate: 7.61%

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

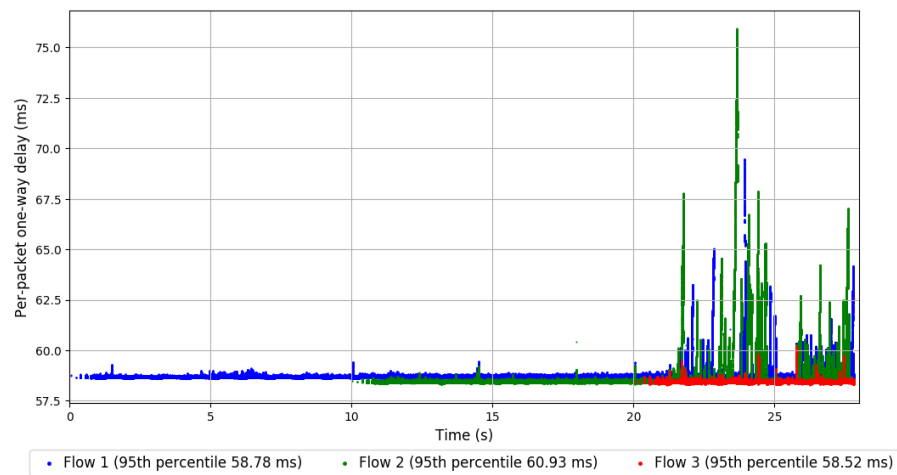
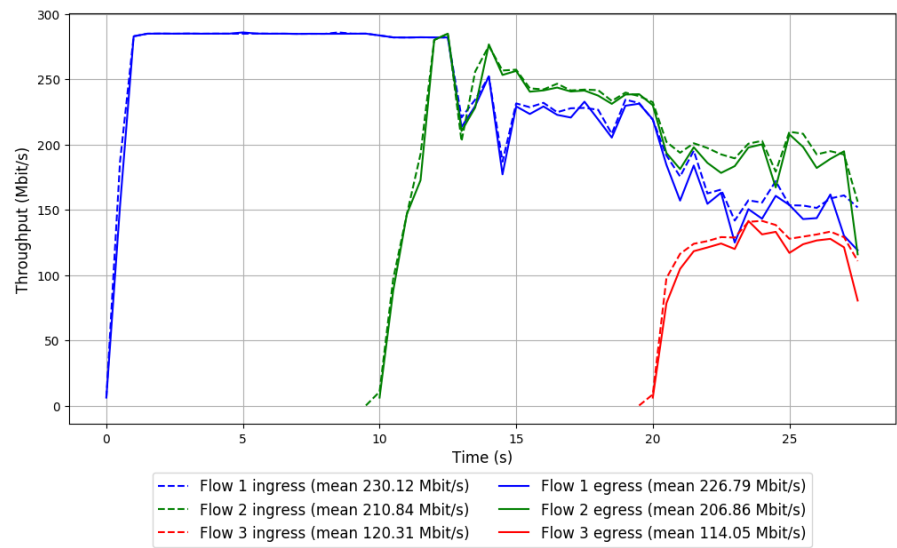


Run 2: Statistics of TaoVA-100x

Start at: 2017-09-21 20:02:04
End at: 2017-09-21 20:02:34
Local clock offset: 0.188 ms
Remote clock offset: 23.033 ms

Below is generated by plot.py at 2017-09-22 02:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.14 Mbit/s
95th percentile per-packet one-way delay: 59.053 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 226.79 Mbit/s
95th percentile per-packet one-way delay: 58.783 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 206.86 Mbit/s
95th percentile per-packet one-way delay: 60.927 ms
Loss rate: 2.81%
-- Flow 3:
Average throughput: 114.05 Mbit/s
95th percentile per-packet one-way delay: 58.517 ms
Loss rate: 7.18%

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

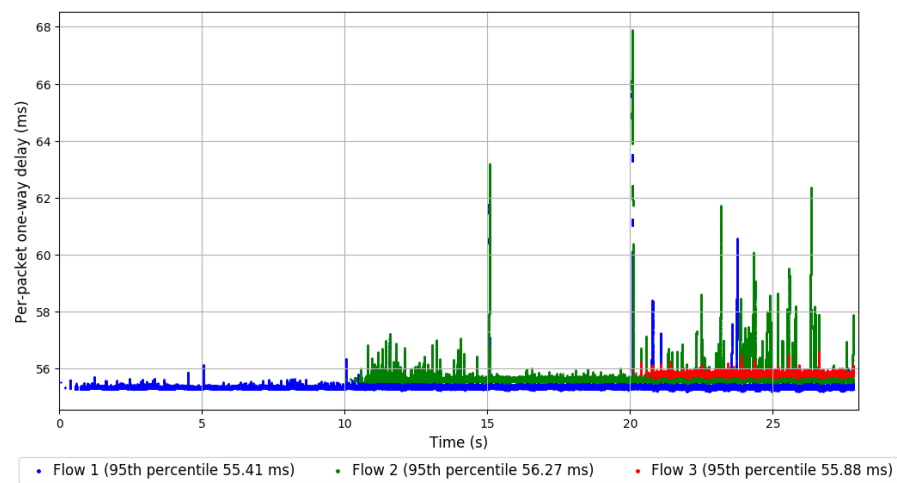
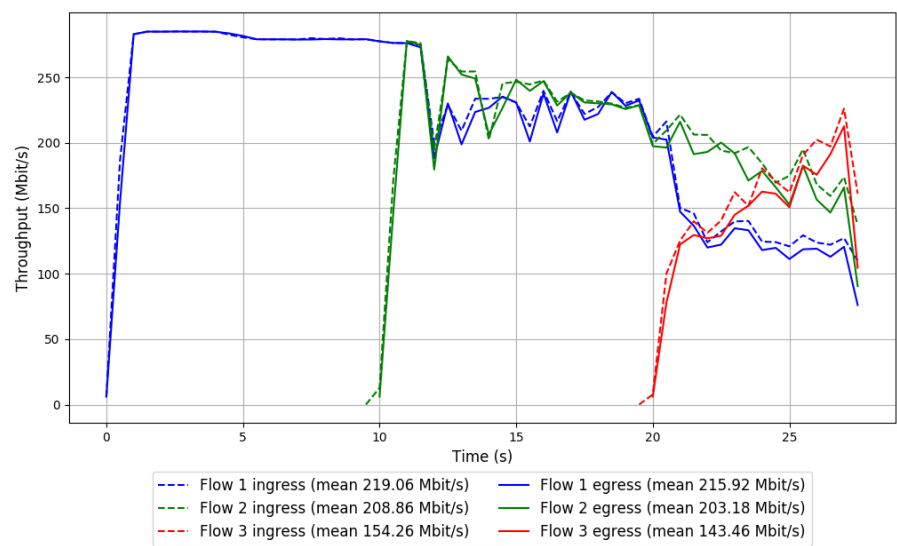


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-21 20:22:29
End at: 2017-09-21 20:22:59
Local clock offset: 0.133 ms
Remote clock offset: 25.917 ms

Below is generated by plot.py at 2017-09-22 02:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 386.25 Mbit/s
95th percentile per-packet one-way delay: 55.838 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 215.92 Mbit/s
95th percentile per-packet one-way delay: 55.407 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 203.18 Mbit/s
95th percentile per-packet one-way delay: 56.275 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 143.46 Mbit/s
95th percentile per-packet one-way delay: 55.876 ms
Loss rate: 8.98%

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

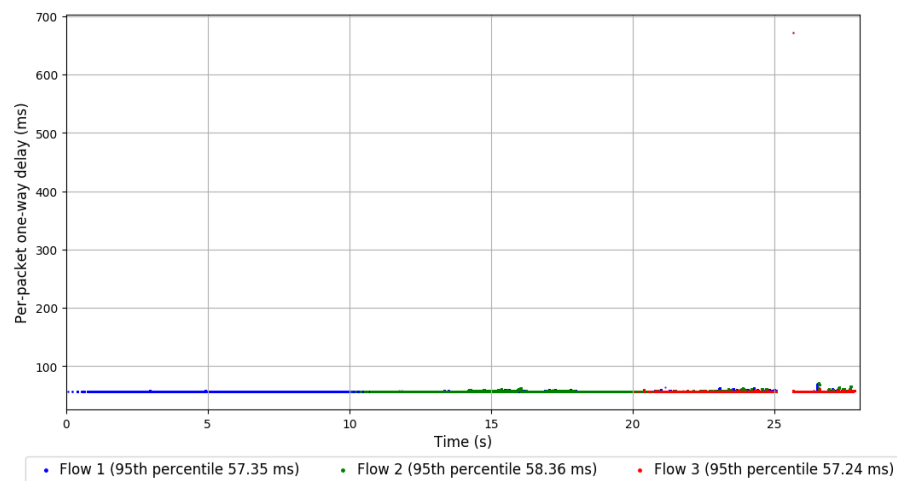
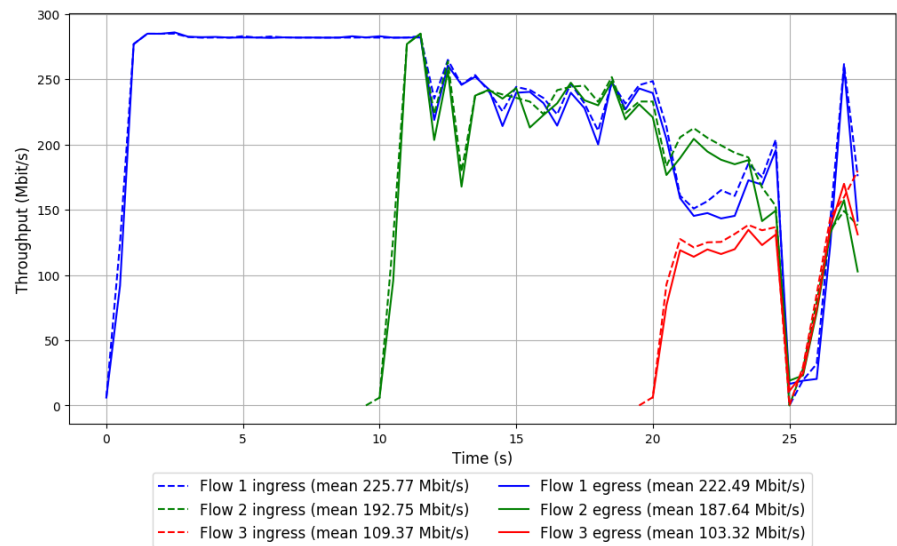


Run 4: Statistics of TaoVA-100x

Start at: 2017-09-21 20:43:06
End at: 2017-09-21 20:43:36
Local clock offset: 0.045 ms
Remote clock offset: 24.147 ms

Below is generated by plot.py at 2017-09-22 02:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.51 Mbit/s
95th percentile per-packet one-way delay: 57.735 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 222.49 Mbit/s
95th percentile per-packet one-way delay: 57.351 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 187.64 Mbit/s
95th percentile per-packet one-way delay: 58.357 ms
Loss rate: 3.57%
-- Flow 3:
Average throughput: 103.32 Mbit/s
95th percentile per-packet one-way delay: 57.242 ms
Loss rate: 7.54%

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

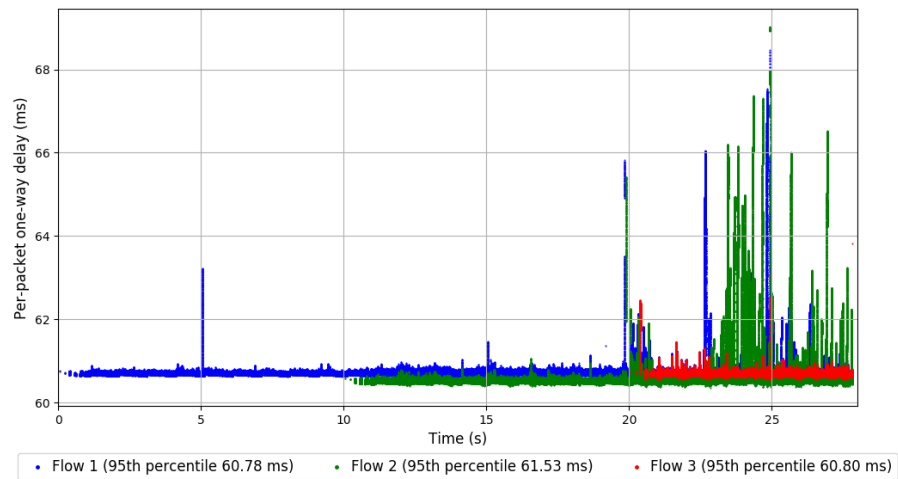
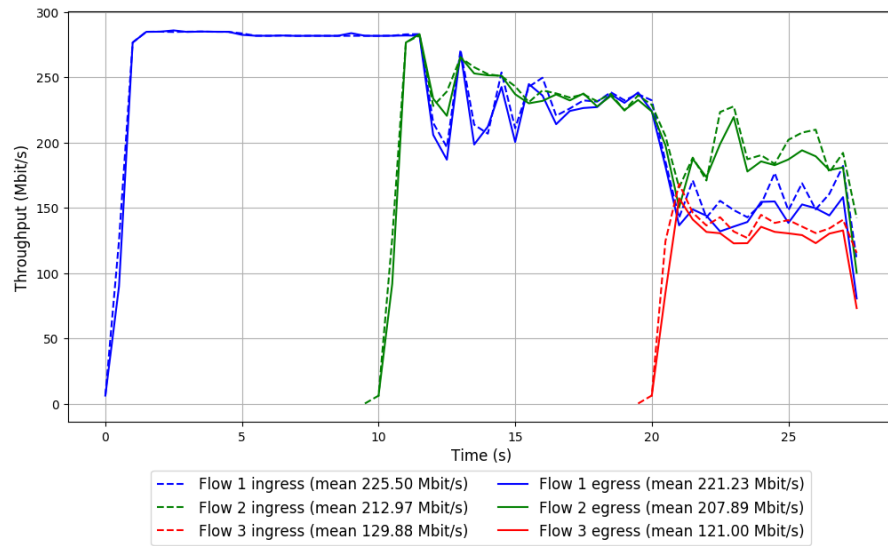


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-21 21:03:56
End at: 2017-09-21 21:04:26
Local clock offset: 0.115 ms
Remote clock offset: 20.567 ms

Below is generated by plot.py at 2017-09-22 02:46:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.11 Mbit/s
95th percentile per-packet one-way delay: 60.836 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 221.23 Mbit/s
95th percentile per-packet one-way delay: 60.783 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 207.89 Mbit/s
95th percentile per-packet one-way delay: 61.527 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 121.00 Mbit/s
95th percentile per-packet one-way delay: 60.805 ms
Loss rate: 8.77%

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

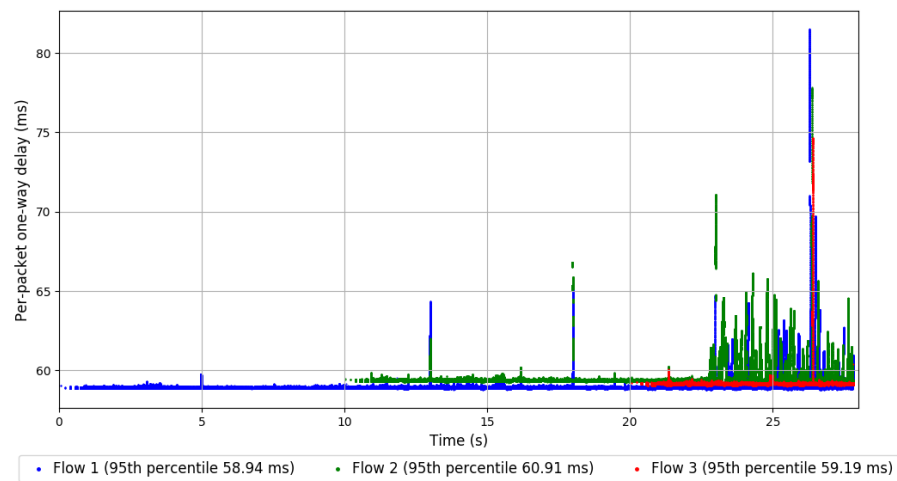
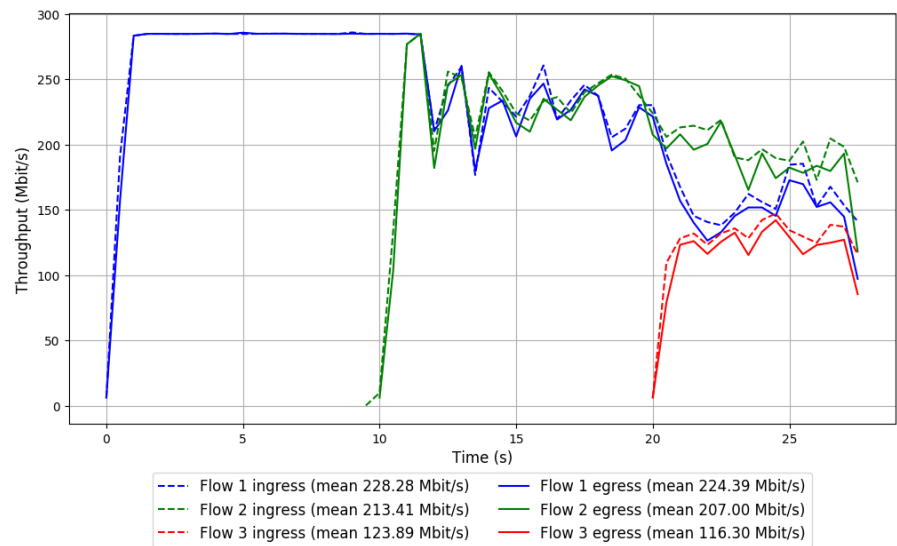


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-21 21:24:40
End at: 2017-09-21 21:25:10
Local clock offset: 0.062 ms
Remote clock offset: 21.576 ms

Below is generated by plot.py at 2017-09-22 02:46:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.50 Mbit/s
95th percentile per-packet one-way delay: 59.532 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 224.39 Mbit/s
95th percentile per-packet one-way delay: 58.942 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 207.00 Mbit/s
95th percentile per-packet one-way delay: 60.909 ms
Loss rate: 3.92%
-- Flow 3:
Average throughput: 116.30 Mbit/s
95th percentile per-packet one-way delay: 59.185 ms
Loss rate: 8.11%

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

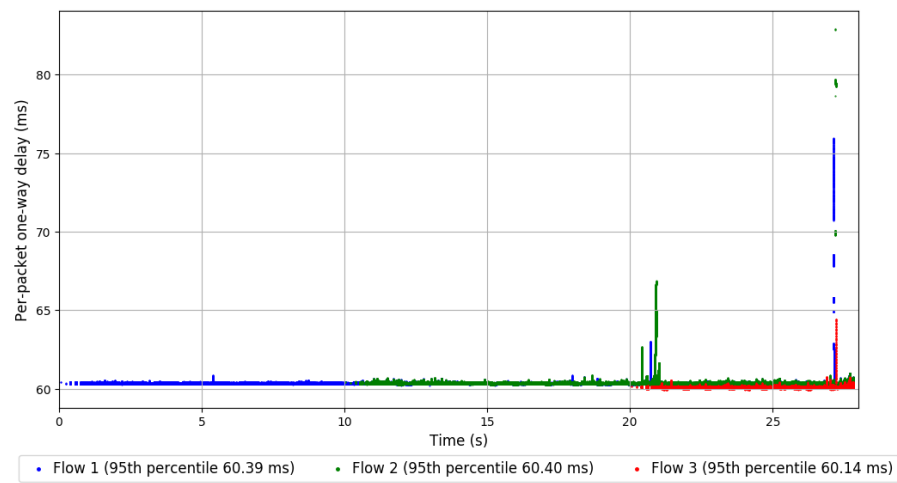
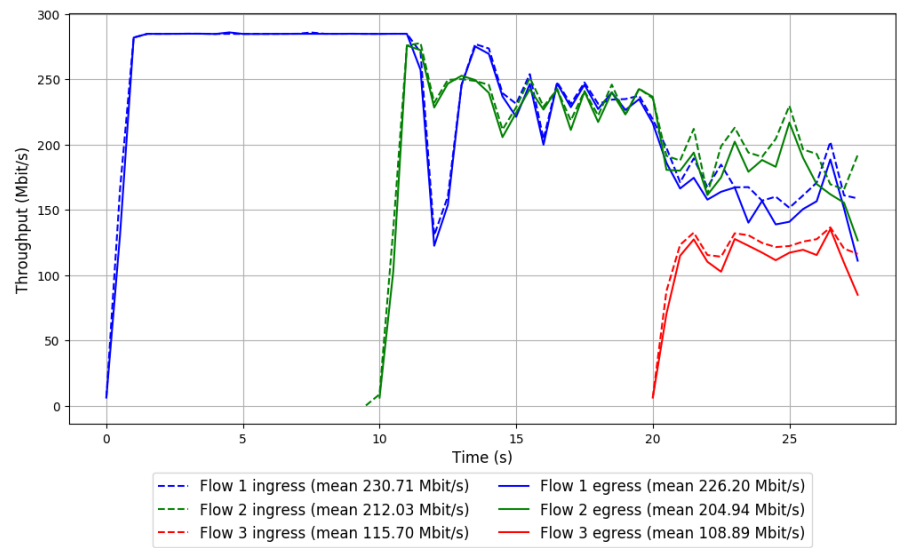


Run 7: Statistics of TaoVA-100x

Start at: 2017-09-21 21:44:54
End at: 2017-09-21 21:45:24
Local clock offset: -0.018 ms
Remote clock offset: 20.259 ms

Below is generated by plot.py at 2017-09-22 02:48:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.94 Mbit/s
95th percentile per-packet one-way delay: 60.389 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 226.20 Mbit/s
95th percentile per-packet one-way delay: 60.388 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 204.94 Mbit/s
95th percentile per-packet one-way delay: 60.395 ms
Loss rate: 4.25%
-- Flow 3:
Average throughput: 108.89 Mbit/s
95th percentile per-packet one-way delay: 60.137 ms
Loss rate: 7.88%

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

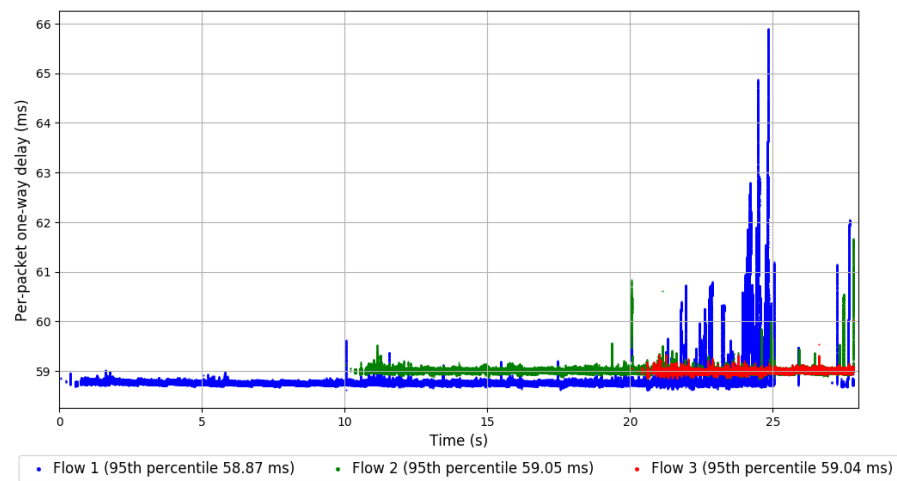
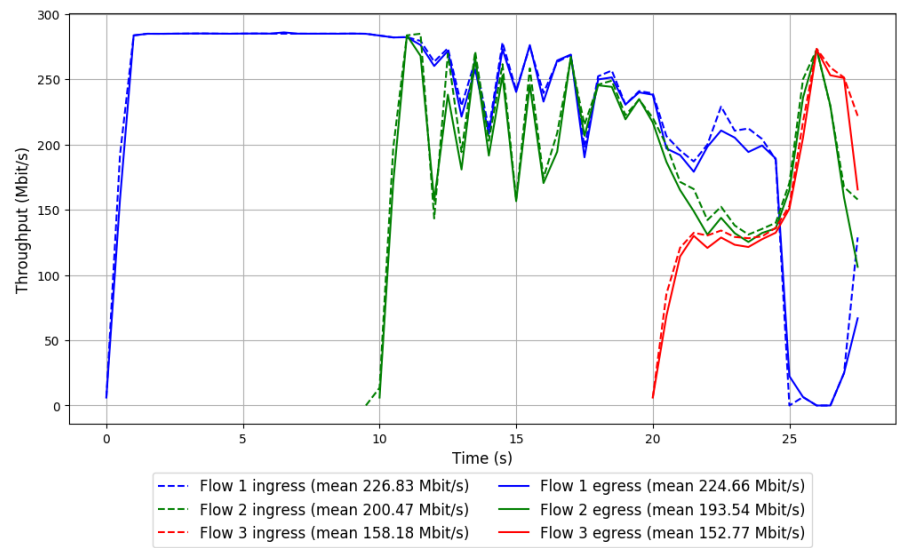


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-21 22:05:52
End at: 2017-09-21 22:06:22
Local clock offset: -0.045 ms
Remote clock offset: 20.637 ms

Below is generated by plot.py at 2017-09-22 02:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.35 Mbit/s
95th percentile per-packet one-way delay: 59.041 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 224.66 Mbit/s
95th percentile per-packet one-way delay: 58.871 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 193.54 Mbit/s
95th percentile per-packet one-way delay: 59.046 ms
Loss rate: 4.32%
-- Flow 3:
Average throughput: 152.77 Mbit/s
95th percentile per-packet one-way delay: 59.041 ms
Loss rate: 5.46%

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

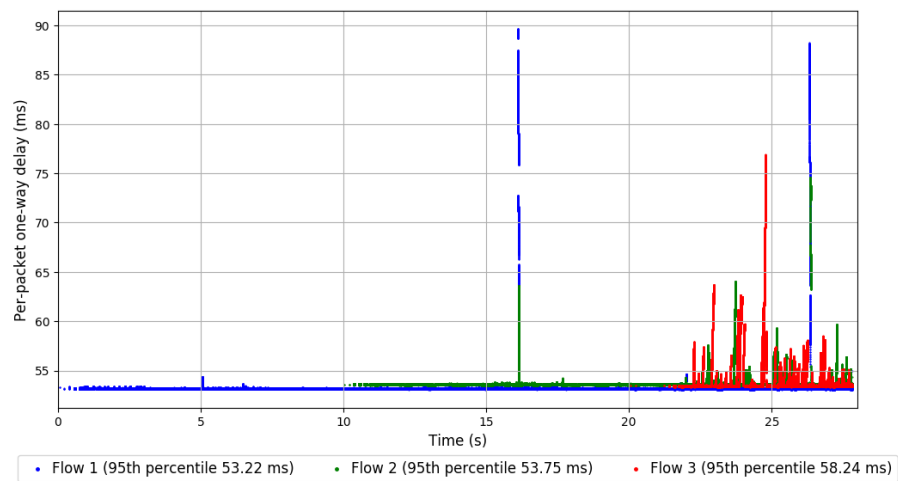
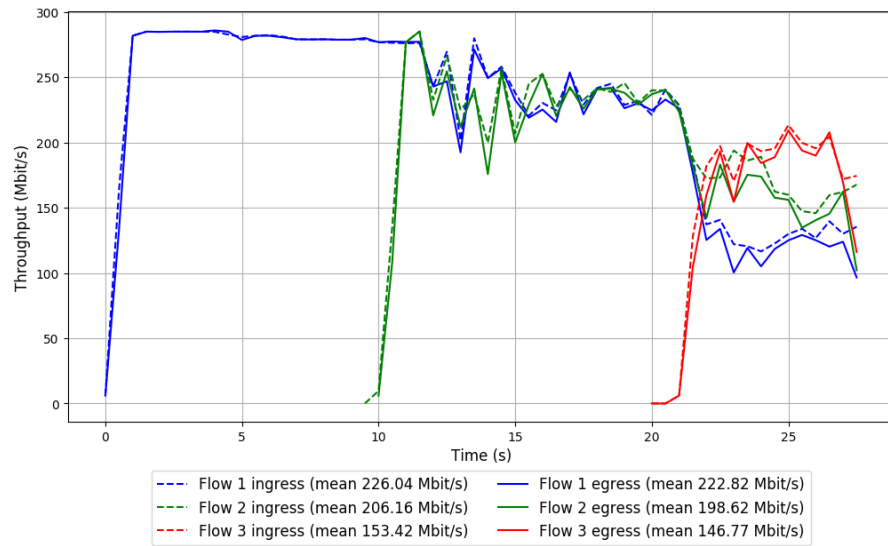


Run 9: Statistics of TaoVA-100x

Start at: 2017-09-21 22:27:17
End at: 2017-09-21 22:27:47
Local clock offset: 0.031 ms
Remote clock offset: 25.797 ms

Below is generated by plot.py at 2017-09-22 02:56:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.07 Mbit/s
95th percentile per-packet one-way delay: 53.748 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 222.82 Mbit/s
95th percentile per-packet one-way delay: 53.224 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 198.62 Mbit/s
95th percentile per-packet one-way delay: 53.752 ms
Loss rate: 4.56%
-- Flow 3:
Average throughput: 146.77 Mbit/s
95th percentile per-packet one-way delay: 58.244 ms
Loss rate: 6.34%

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

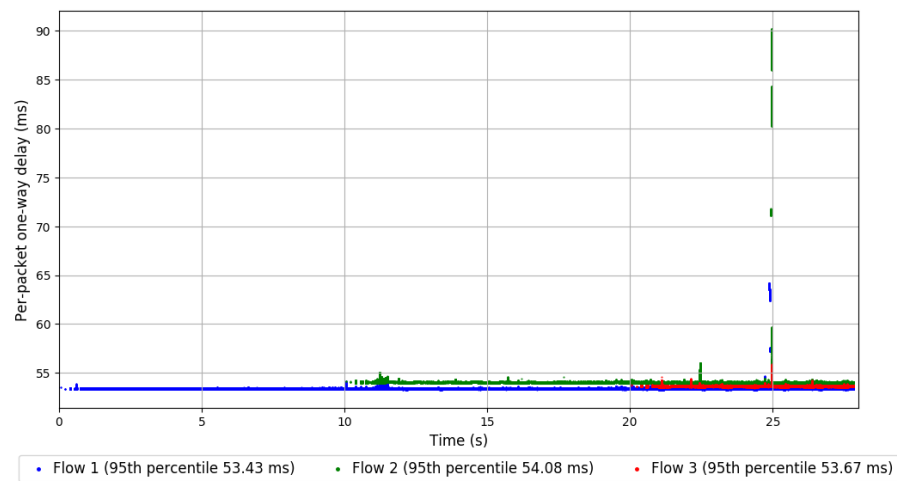
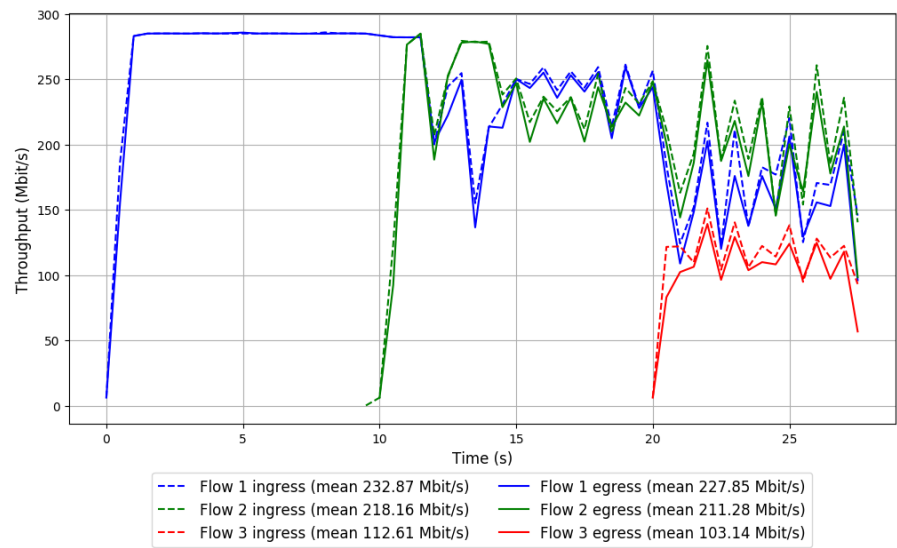


Run 10: Statistics of TaoVA-100x

Start at: 2017-09-21 22:47:44
End at: 2017-09-21 22:48:14
Local clock offset: -0.001 ms
Remote clock offset: 25.242 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.88 Mbit/s
95th percentile per-packet one-way delay: 54.062 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 227.85 Mbit/s
95th percentile per-packet one-way delay: 53.430 ms
Loss rate: 2.75%
-- Flow 2:
Average throughput: 211.28 Mbit/s
95th percentile per-packet one-way delay: 54.076 ms
Loss rate: 4.07%
-- Flow 3:
Average throughput: 103.14 Mbit/s
95th percentile per-packet one-way delay: 53.674 ms
Loss rate: 10.37%

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

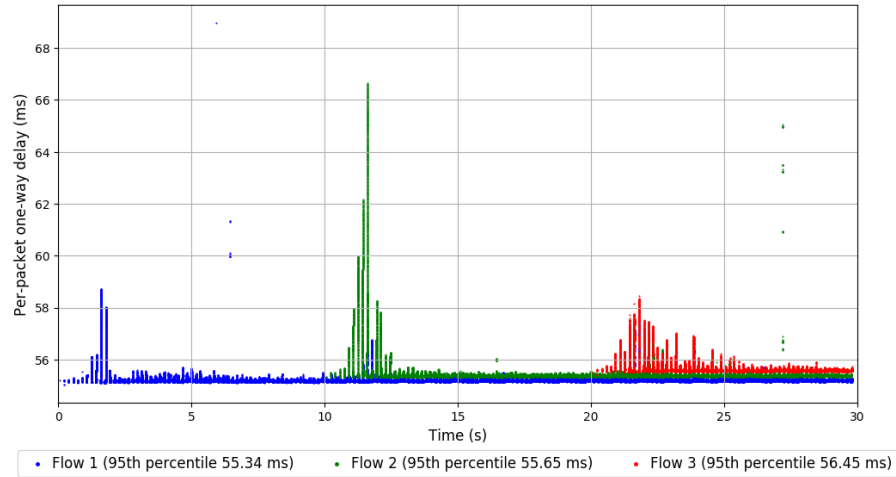
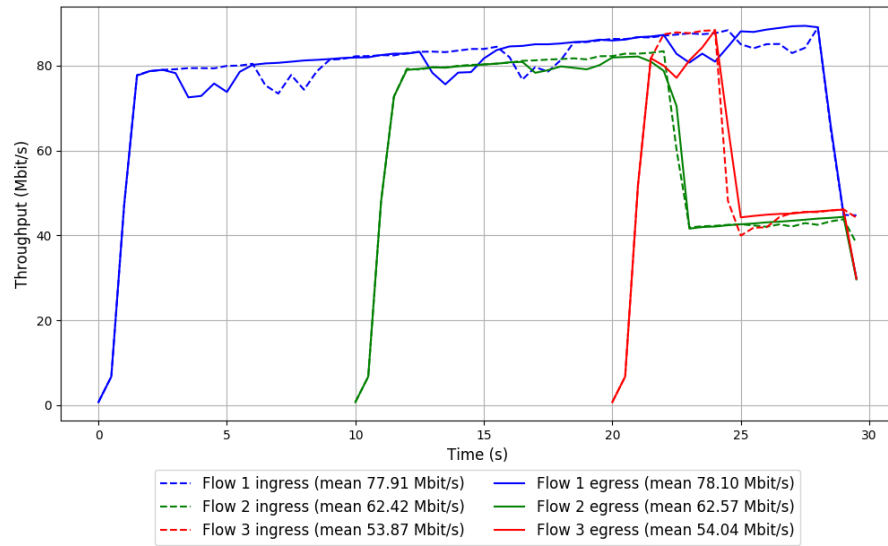


Run 1: Statistics of TCP Vegas

Start at: 2017-09-21 19:37:36
End at: 2017-09-21 19:38:06
Local clock offset: 0.183 ms
Remote clock offset: 25.474 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.27 Mbit/s
95th percentile per-packet one-way delay: 55.692 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 55.344 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 62.57 Mbit/s
95th percentile per-packet one-way delay: 55.646 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 54.04 Mbit/s
95th percentile per-packet one-way delay: 56.447 ms
Loss rate: 1.38%

Run 1: Report of TCP Vegas — Data Link

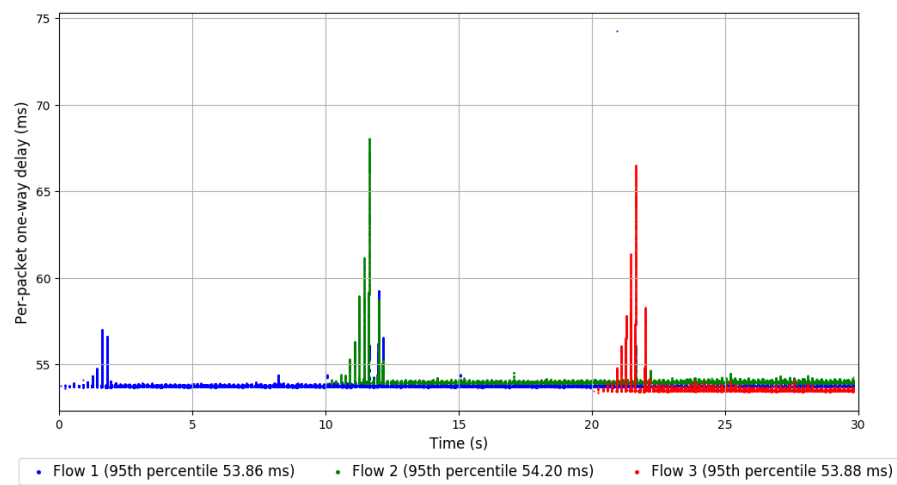
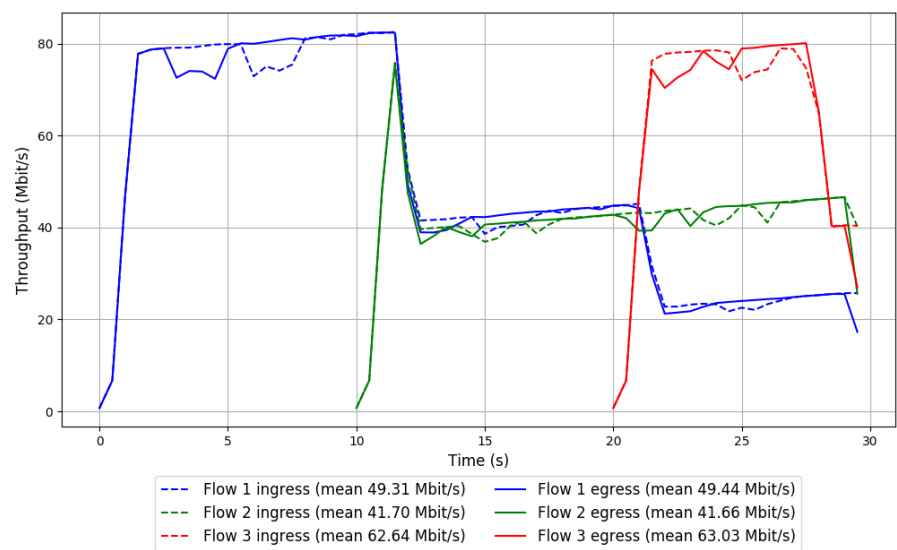


Run 2: Statistics of TCP Vegas

Start at: 2017-09-21 19:57:58
End at: 2017-09-21 19:58:28
Local clock offset: 0.155 ms
Remote clock offset: 27.879 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.67 Mbit/s
95th percentile per-packet one-way delay: 54.053 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 53.858 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 41.66 Mbit/s
95th percentile per-packet one-way delay: 54.197 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 53.875 ms
Loss rate: 1.10%

Run 2: Report of TCP Vegas — Data Link

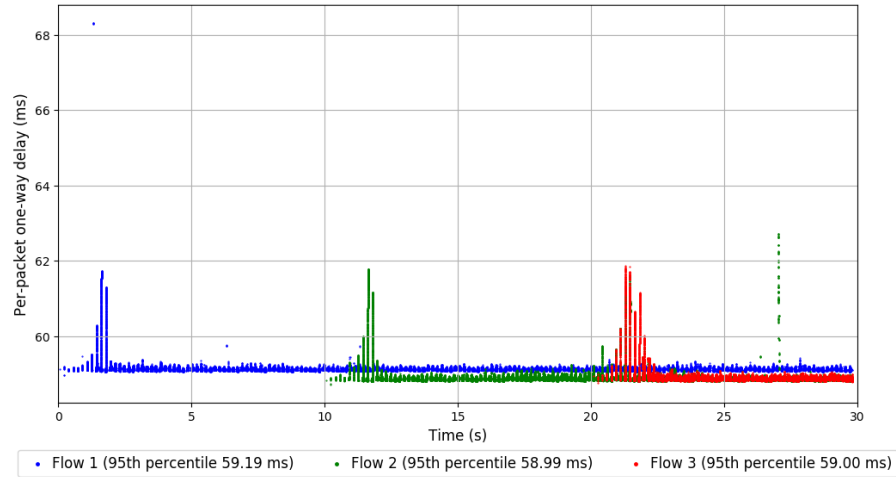
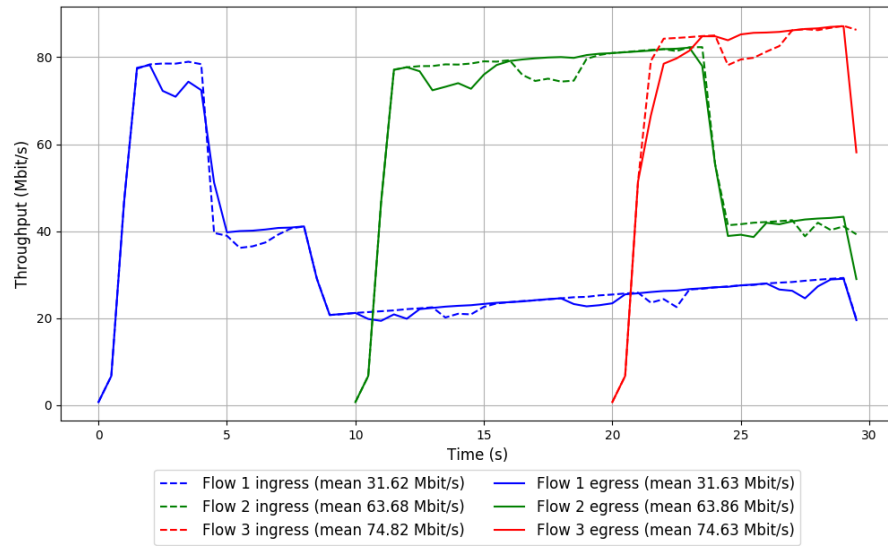


Run 3: Statistics of TCP Vegas

Start at: 2017-09-21 20:18:21
End at: 2017-09-21 20:18:51
Local clock offset: 0.164 ms
Remote clock offset: 22.472 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 98.38 Mbit/s
95th percentile per-packet one-way delay: 59.167 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 59.193 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 63.86 Mbit/s
95th percentile per-packet one-way delay: 58.993 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 74.63 Mbit/s
95th percentile per-packet one-way delay: 59.000 ms
Loss rate: 1.96%

Run 3: Report of TCP Vegas — Data Link

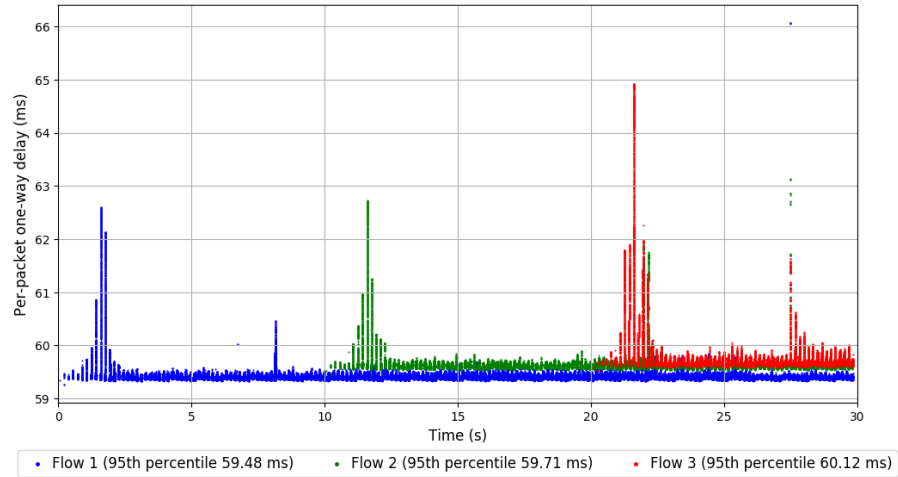
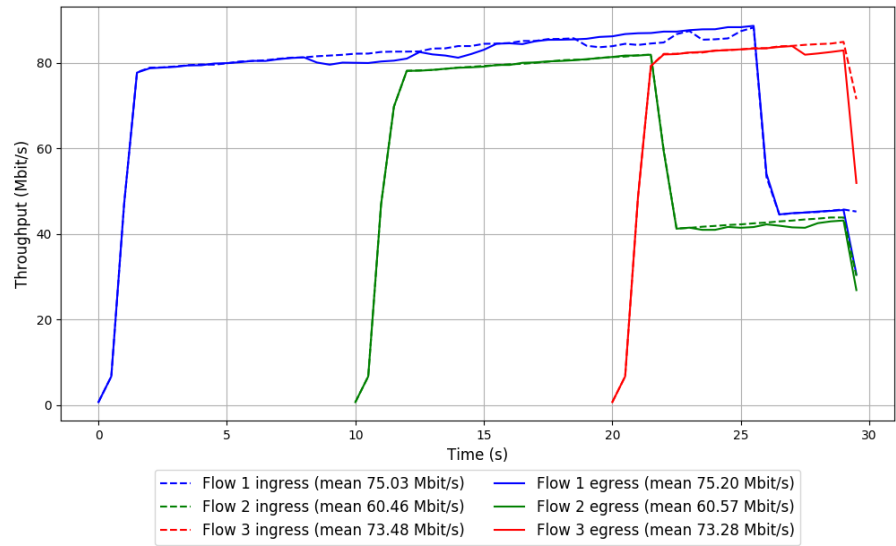


Run 4: Statistics of TCP Vegas

Start at: 2017-09-21 20:38:56
End at: 2017-09-21 20:39:26
Local clock offset: 0.172 ms
Remote clock offset: 21.816 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.41 Mbit/s
95th percentile per-packet one-way delay: 59.727 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 75.20 Mbit/s
95th percentile per-packet one-way delay: 59.475 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 59.713 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 73.28 Mbit/s
95th percentile per-packet one-way delay: 60.122 ms
Loss rate: 1.95%

Run 4: Report of TCP Vegas — Data Link

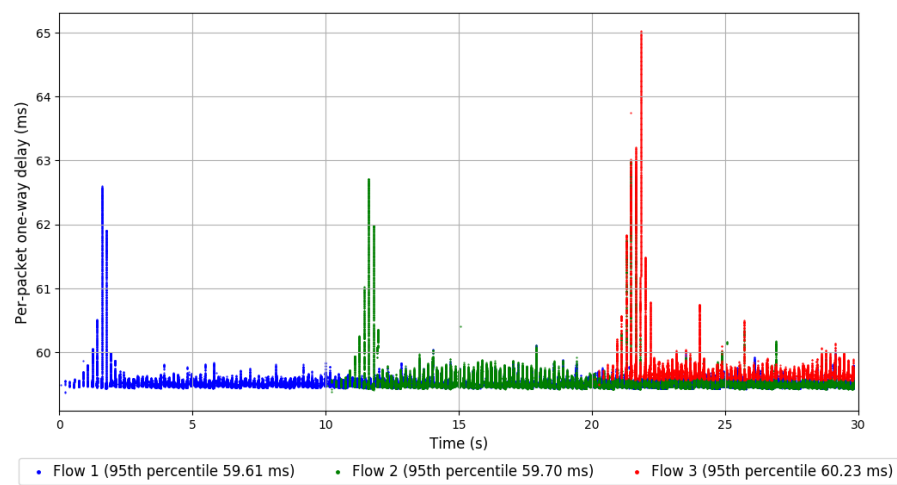
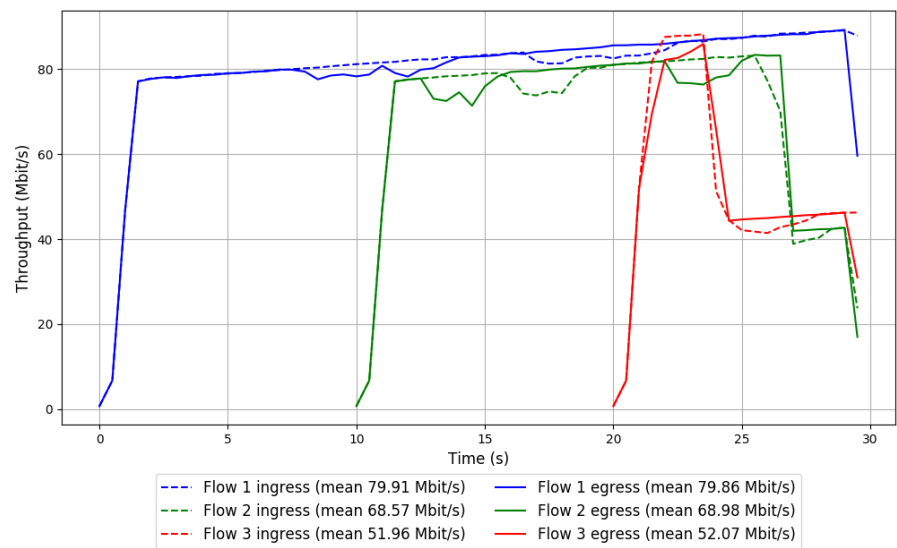


Run 5: Statistics of TCP Vegas

Start at: 2017-09-21 20:59:50
End at: 2017-09-21 21:00:20
Local clock offset: 0.02 ms
Remote clock offset: 21.652 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.66 Mbit/s
95th percentile per-packet one-way delay: 59.704 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 79.86 Mbit/s
95th percentile per-packet one-way delay: 59.614 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 59.703 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 60.228 ms
Loss rate: 1.51%

Run 5: Report of TCP Vegas — Data Link

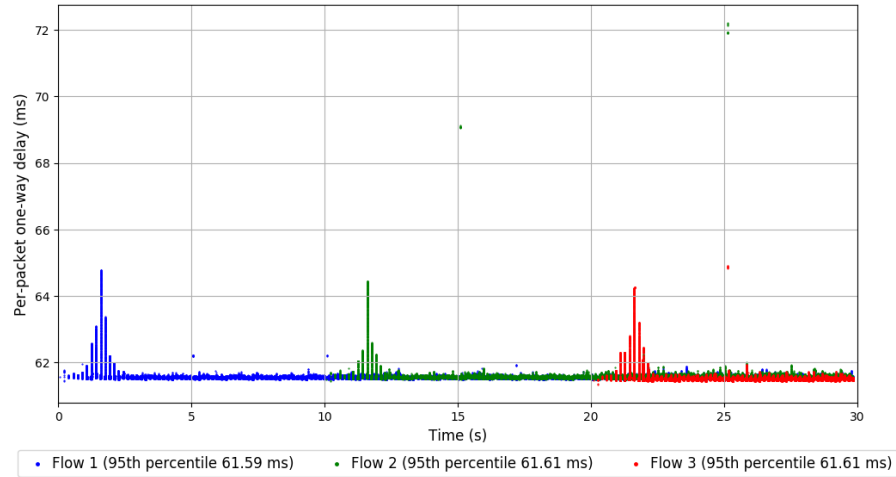
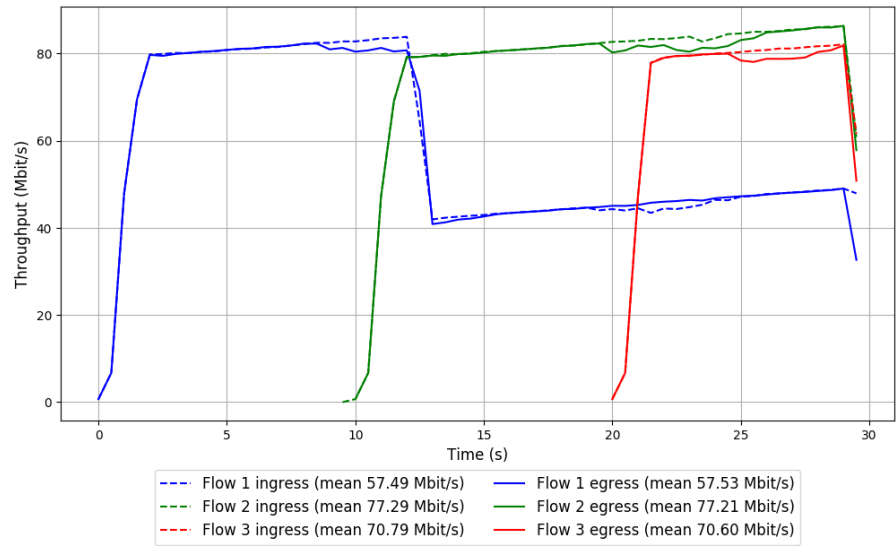


Run 6: Statistics of TCP Vegas

Start at: 2017-09-21 21:20:33
End at: 2017-09-21 21:21:03
Local clock offset: 0.03 ms
Remote clock offset: 19.389 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 131.88 Mbit/s
95th percentile per-packet one-way delay: 61.603 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 61.592 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 77.21 Mbit/s
95th percentile per-packet one-way delay: 61.613 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 70.60 Mbit/s
95th percentile per-packet one-way delay: 61.606 ms
Loss rate: 1.95%

Run 6: Report of TCP Vegas — Data Link

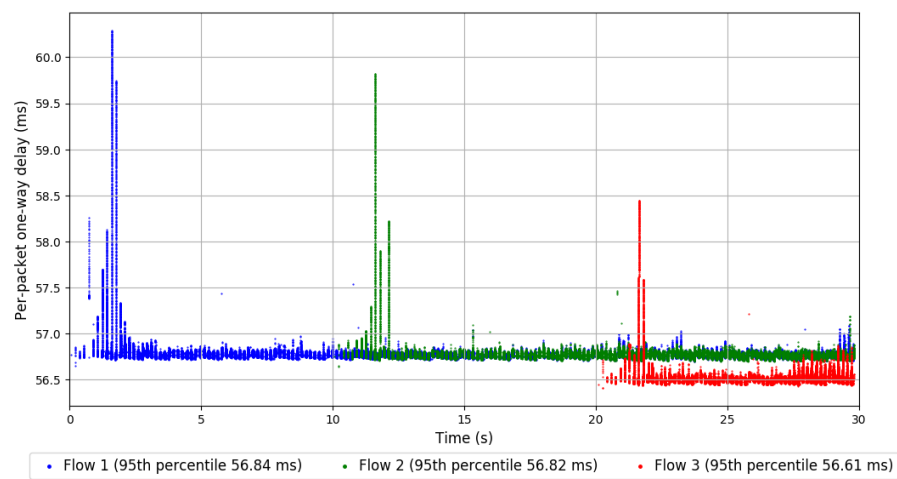
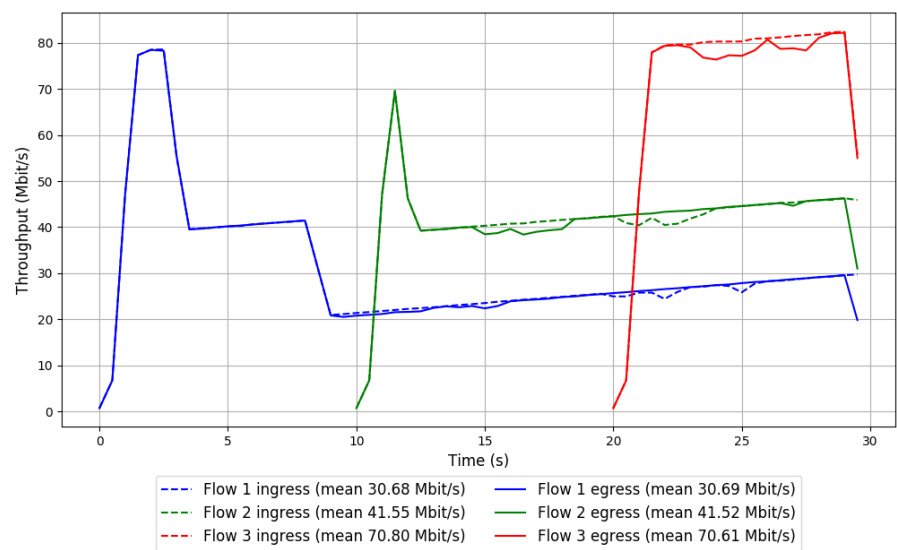


Run 7: Statistics of TCP Vegas

Start at: 2017-09-21 21:40:46
End at: 2017-09-21 21:41:16
Local clock offset: 0.044 ms
Remote clock offset: 23.845 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.32 Mbit/s
95th percentile per-packet one-way delay: 56.820 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 56.841 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 56.820 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 70.61 Mbit/s
95th percentile per-packet one-way delay: 56.609 ms
Loss rate: 1.96%

Run 7: Report of TCP Vegas — Data Link

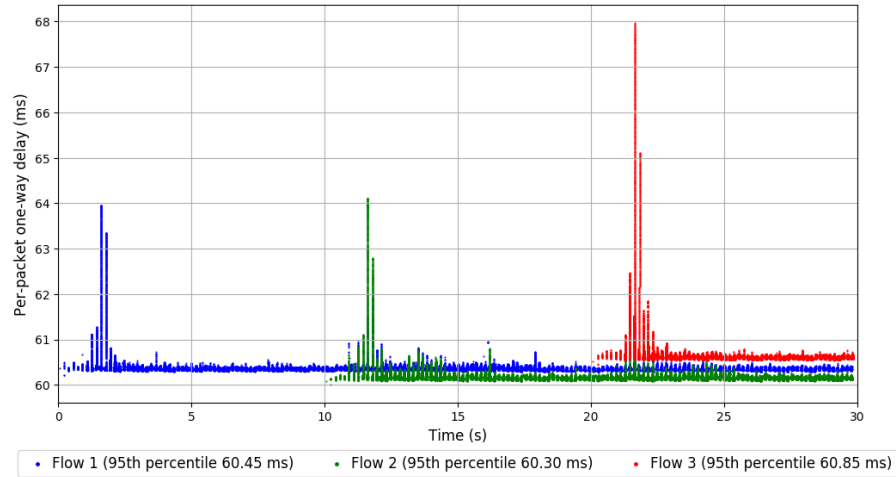
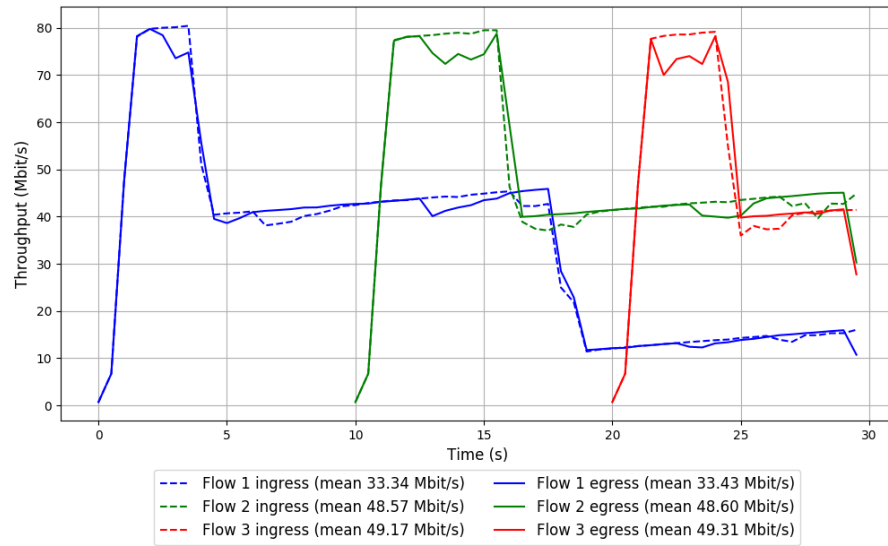


Run 8: Statistics of TCP Vegas

Start at: 2017-09-21 22:01:45
End at: 2017-09-21 22:02:15
Local clock offset: 0.051 ms
Remote clock offset: 19.644 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: 60.648 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 60.446 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 60.301 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 60.847 ms
Loss rate: 1.43%

Run 8: Report of TCP Vegas — Data Link

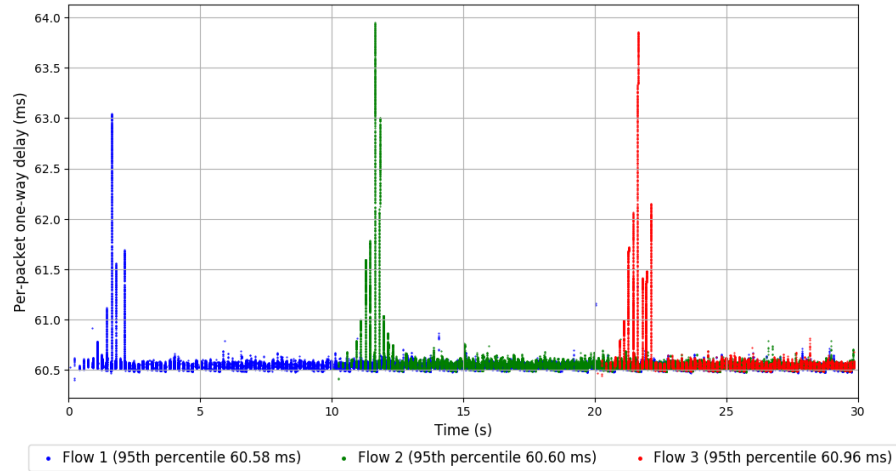
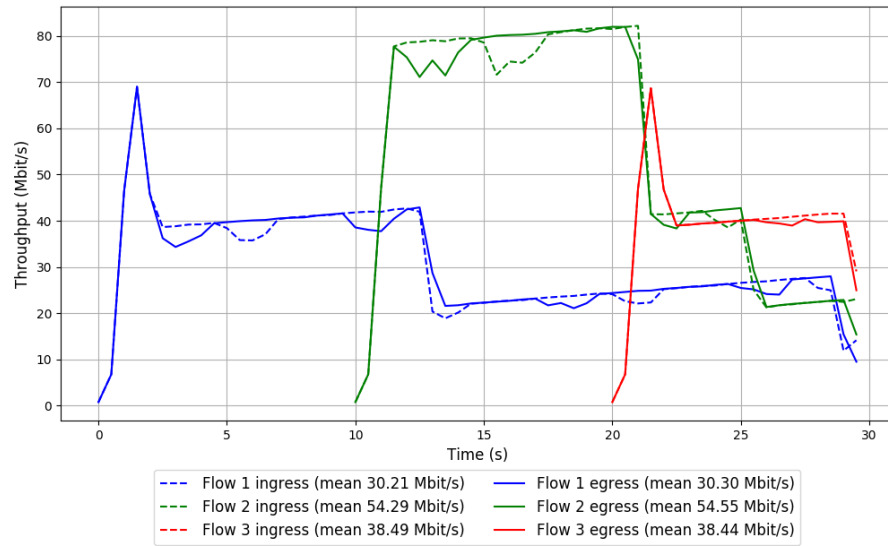


Run 9: Statistics of TCP Vegas

Start at: 2017-09-21 22:23:09
End at: 2017-09-21 22:23:39
Local clock offset: -0.019 ms
Remote clock offset: 19.145 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.07 Mbit/s
95th percentile per-packet one-way delay: 60.594 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 30.30 Mbit/s
95th percentile per-packet one-way delay: 60.581 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 60.597 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 60.961 ms
Loss rate: 1.83%

Run 9: Report of TCP Vegas — Data Link

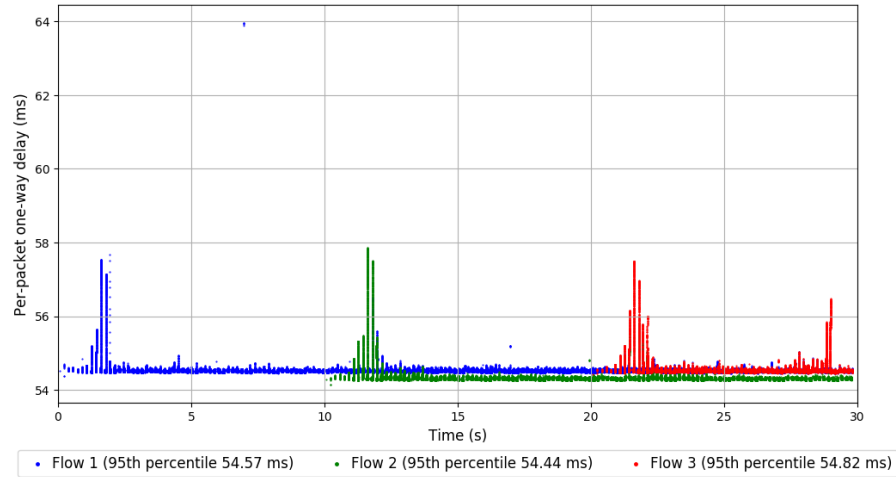
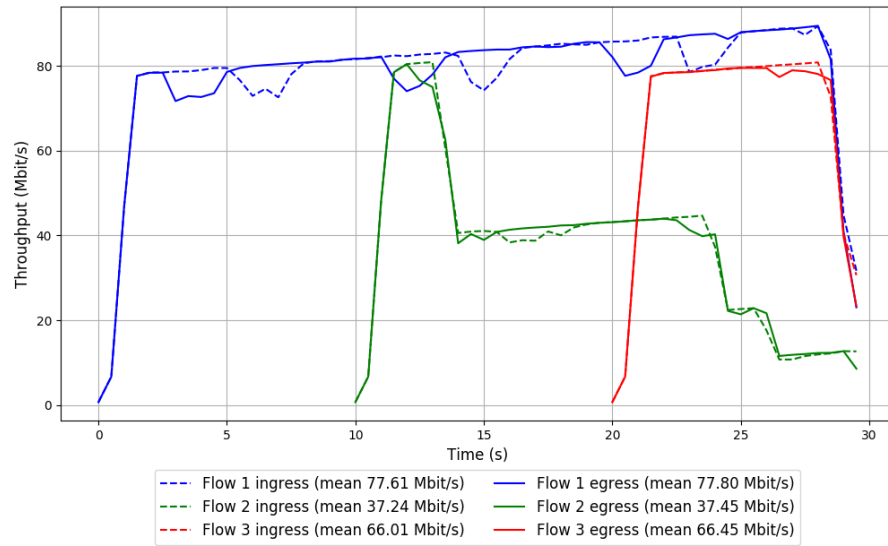


Run 10: Statistics of TCP Vegas

Start at: 2017-09-21 22:43:37
End at: 2017-09-21 22:44:07
Local clock offset: 0.022 ms
Remote clock offset: 24.874 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.36 Mbit/s
95th percentile per-packet one-way delay: 54.582 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 54.570 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 37.45 Mbit/s
95th percentile per-packet one-way delay: 54.444 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 66.45 Mbit/s
95th percentile per-packet one-way delay: 54.823 ms
Loss rate: 1.04%

Run 10: Report of TCP Vegas — Data Link

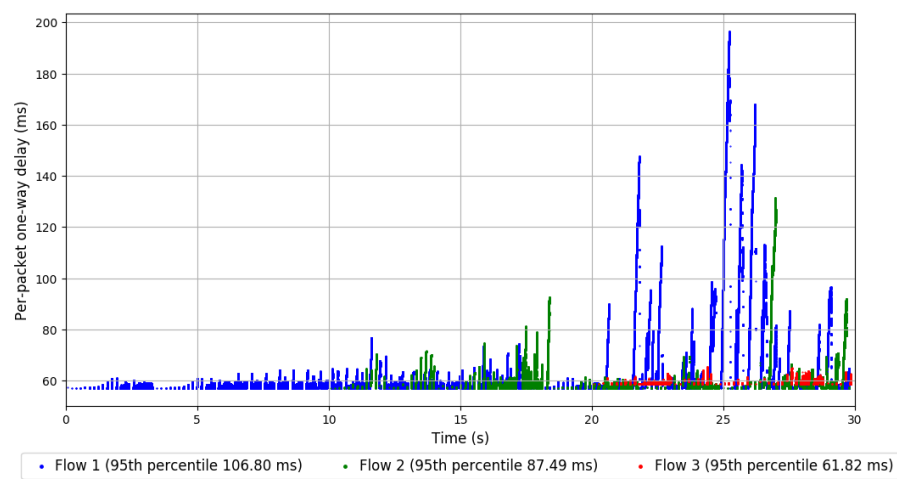
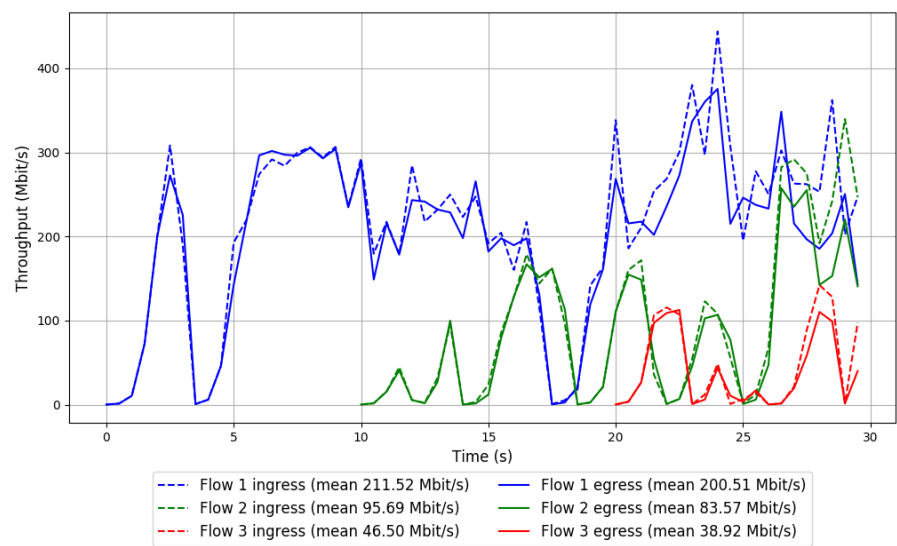


Run 1: Statistics of Verus

Start at: 2017-09-21 19:30:24
End at: 2017-09-21 19:30:54
Local clock offset: 0.172 ms
Remote clock offset: 23.486 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.17 Mbit/s
95th percentile per-packet one-way delay: 100.947 ms
Loss rate: 8.26%
-- Flow 1:
Average throughput: 200.51 Mbit/s
95th percentile per-packet one-way delay: 106.795 ms
Loss rate: 5.94%
-- Flow 2:
Average throughput: 83.57 Mbit/s
95th percentile per-packet one-way delay: 87.492 ms
Loss rate: 13.69%
-- Flow 3:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 61.820 ms
Loss rate: 17.60%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

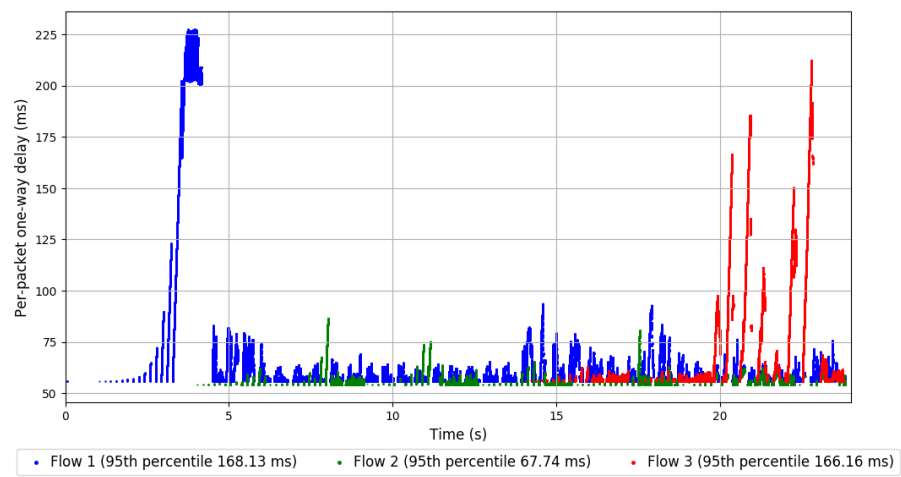
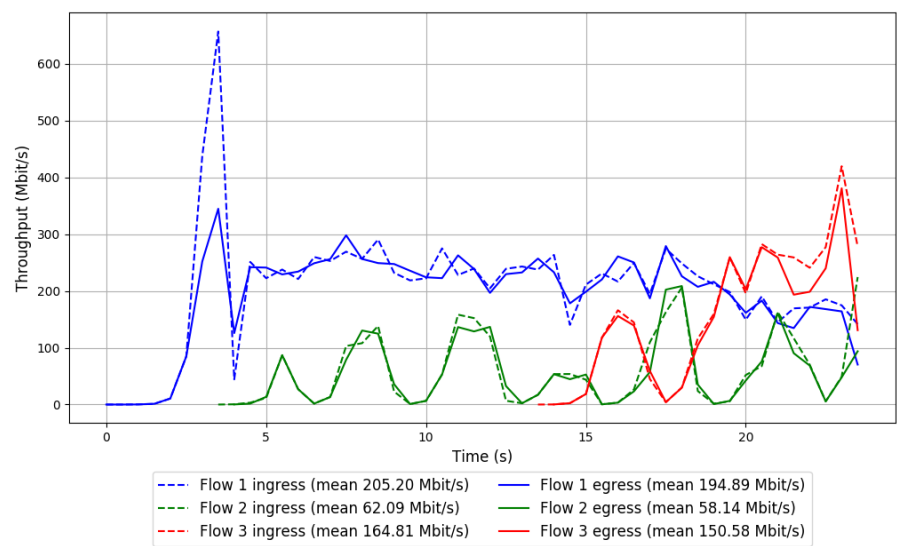
Start at: 2017-09-21 19:50:52

End at: 2017-09-21 19:51:22

Local clock offset: 0.077 ms

Remote clock offset: 27.058 ms

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

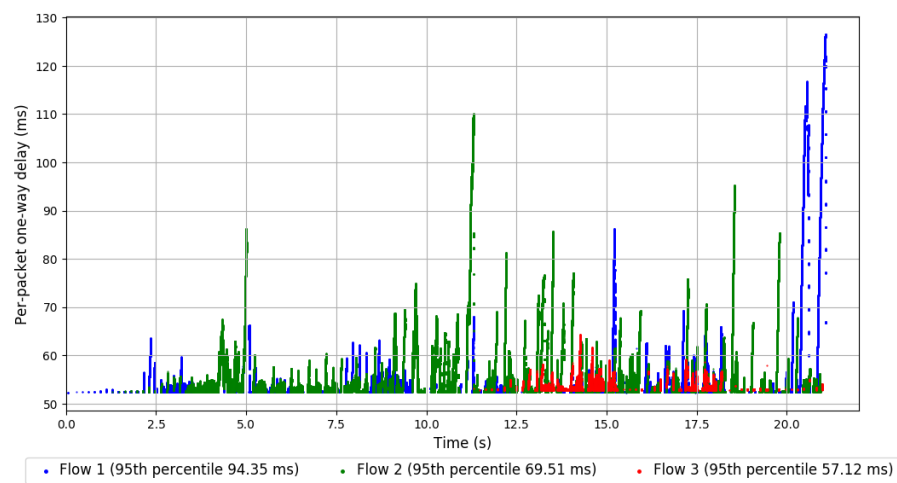
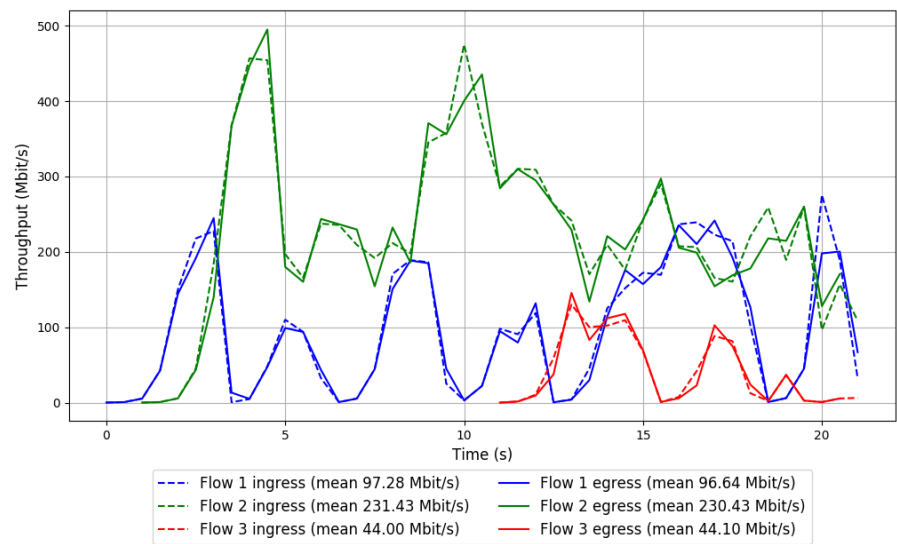
Start at: 2017-09-21 20:11:16

End at: 2017-09-21 20:11:46

Local clock offset: 0.166 ms

Remote clock offset: 29.011 ms

Run 3: Report of Verus — Data Link

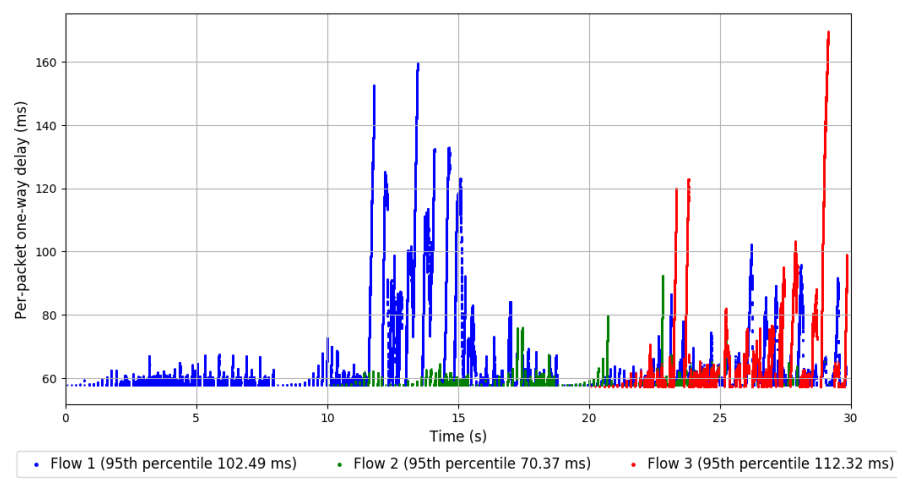
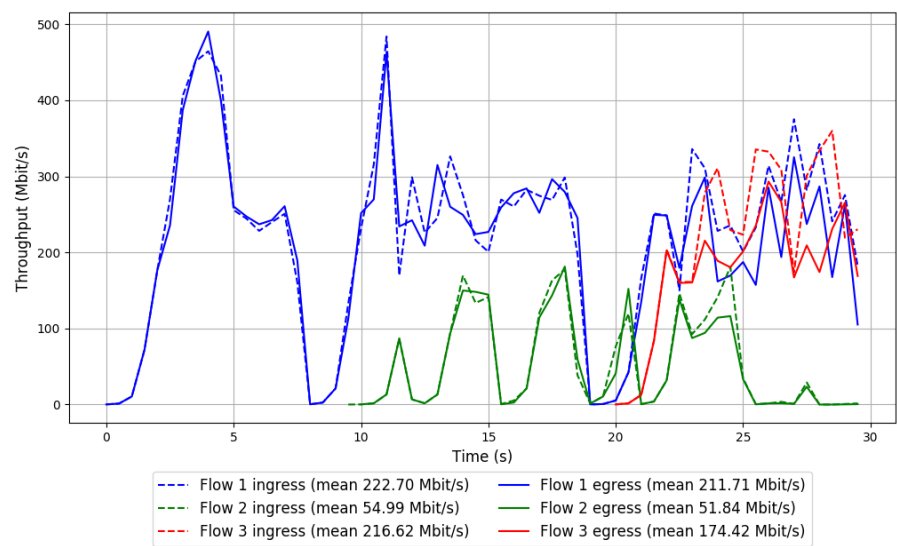


Run 4: Statistics of Verus

Start at: 2017-09-21 20:31:47
End at: 2017-09-21 20:32:17
Local clock offset: 0.112 ms
Remote clock offset: 23.744 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.86 Mbit/s
95th percentile per-packet one-way delay: 100.478 ms
Loss rate: 8.78%
-- Flow 1:
Average throughput: 211.71 Mbit/s
95th percentile per-packet one-way delay: 102.493 ms
Loss rate: 5.62%
-- Flow 2:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 70.372 ms
Loss rate: 6.53%
-- Flow 3:
Average throughput: 174.42 Mbit/s
95th percentile per-packet one-way delay: 112.318 ms
Loss rate: 19.80%

Run 4: Report of Verus — Data Link

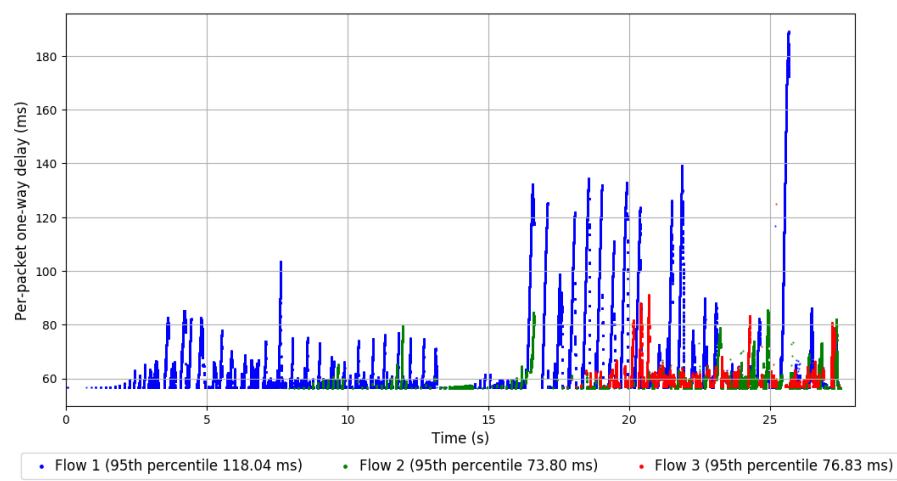
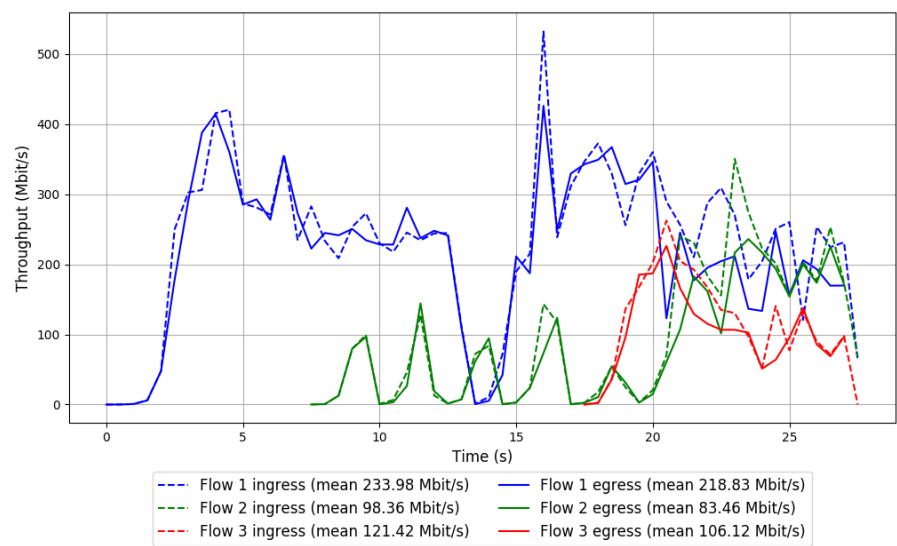


Run 5: Statistics of Verus

Start at: 2017-09-21 20:52:30
End at: 2017-09-21 20:53:00
Local clock offset: 0.114 ms
Remote clock offset: 24.665 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.07 Mbit/s
95th percentile per-packet one-way delay: 109.722 ms
Loss rate: 9.99%
-- Flow 1:
Average throughput: 218.83 Mbit/s
95th percentile per-packet one-way delay: 118.042 ms
Loss rate: 7.37%
-- Flow 2:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 73.795 ms
Loss rate: 16.10%
-- Flow 3:
Average throughput: 106.12 Mbit/s
95th percentile per-packet one-way delay: 76.835 ms
Loss rate: 14.09%

Run 5: Report of Verus — Data Link

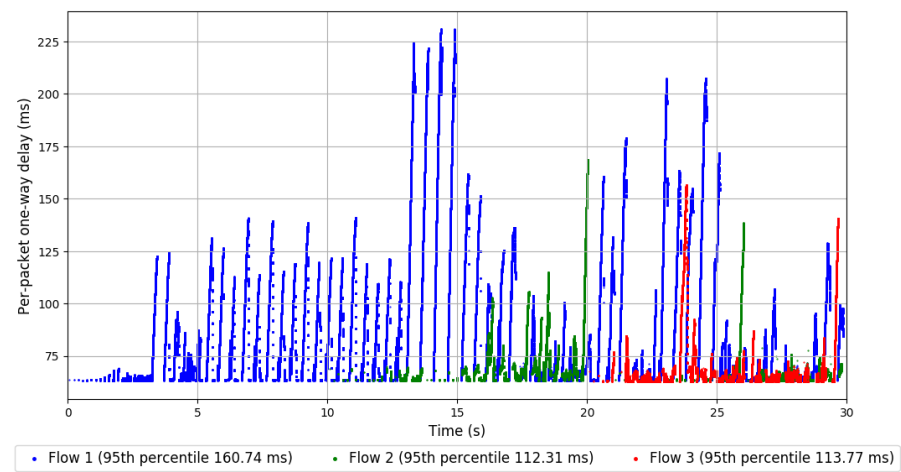
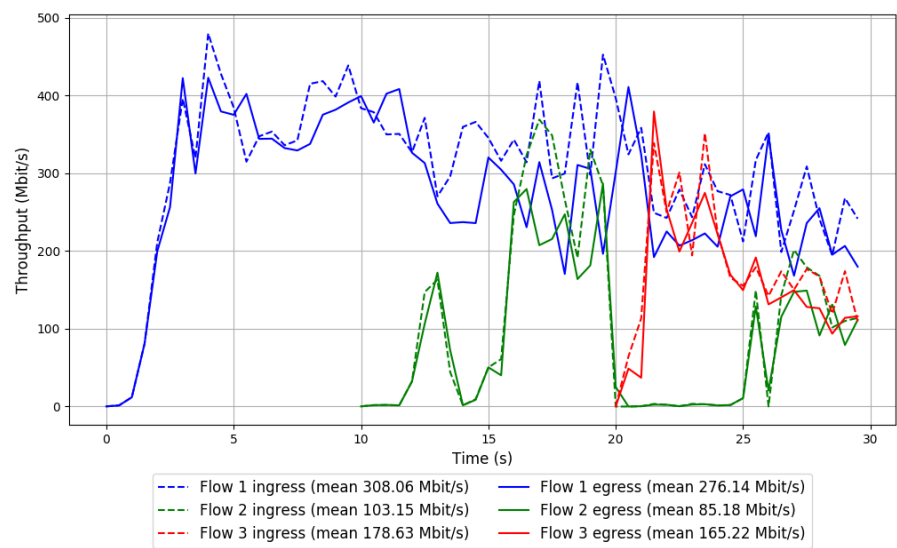


Run 6: Statistics of Verus

Start at: 2017-09-21 21:13:18
End at: 2017-09-21 21:13:48
Local clock offset: 0.086 ms
Remote clock offset: 17.844 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 385.59 Mbit/s
95th percentile per-packet one-way delay: 151.882 ms
Loss rate: 11.90%
-- Flow 1:
Average throughput: 276.14 Mbit/s
95th percentile per-packet one-way delay: 160.738 ms
Loss rate: 10.87%
-- Flow 2:
Average throughput: 85.18 Mbit/s
95th percentile per-packet one-way delay: 112.314 ms
Loss rate: 17.42%
-- Flow 3:
Average throughput: 165.22 Mbit/s
95th percentile per-packet one-way delay: 113.766 ms
Loss rate: 10.95%

Run 6: Report of Verus — Data Link

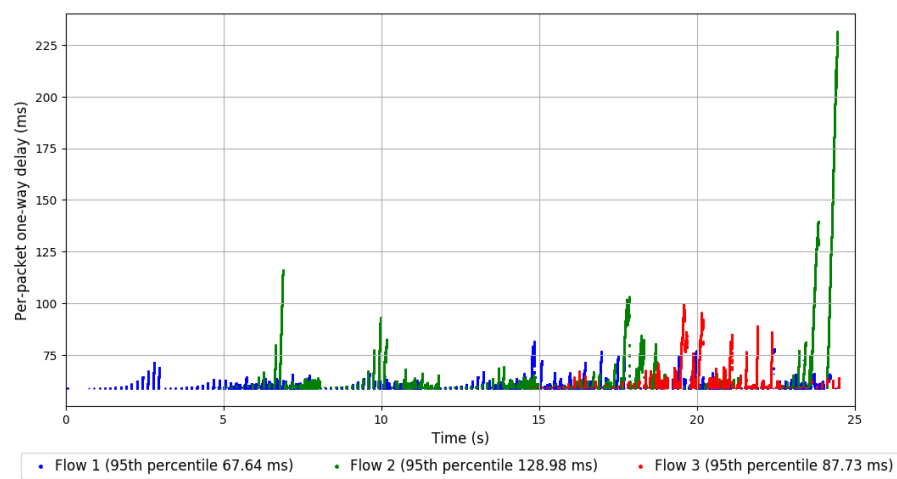
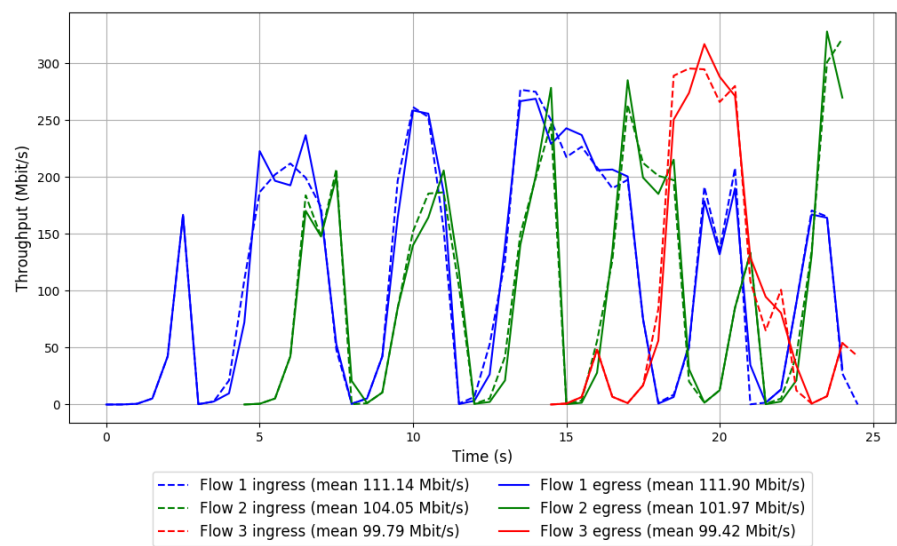


Run 7: Statistics of Verus

Start at: 2017-09-21 21:33:49
End at: 2017-09-21 21:34:19
Local clock offset: 0.014 ms
Remote clock offset: 21.377 ms

Below is generated by plot.py at 2017-09-22 02:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.34 Mbit/s
95th percentile per-packet one-way delay: 89.936 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 111.90 Mbit/s
95th percentile per-packet one-way delay: 67.642 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 101.97 Mbit/s
95th percentile per-packet one-way delay: 128.980 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 99.42 Mbit/s
95th percentile per-packet one-way delay: 87.731 ms
Loss rate: 2.15%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-09-21 21:54:23

End at: 2017-09-21 21:54:53

Local clock offset: 0.056 ms

Remote clock offset: 23.7 ms

Below is generated by plot.py at 2017-09-22 02:58:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.45 Mbit/s

95th percentile per-packet one-way delay: 75.301 ms

Loss rate: 9.39%

-- Flow 1:

Average throughput: 228.26 Mbit/s

95th percentile per-packet one-way delay: 75.207 ms

Loss rate: 6.11%

-- Flow 2:

Average throughput: 103.20 Mbit/s

95th percentile per-packet one-way delay: 64.270 ms

Loss rate: 11.55%

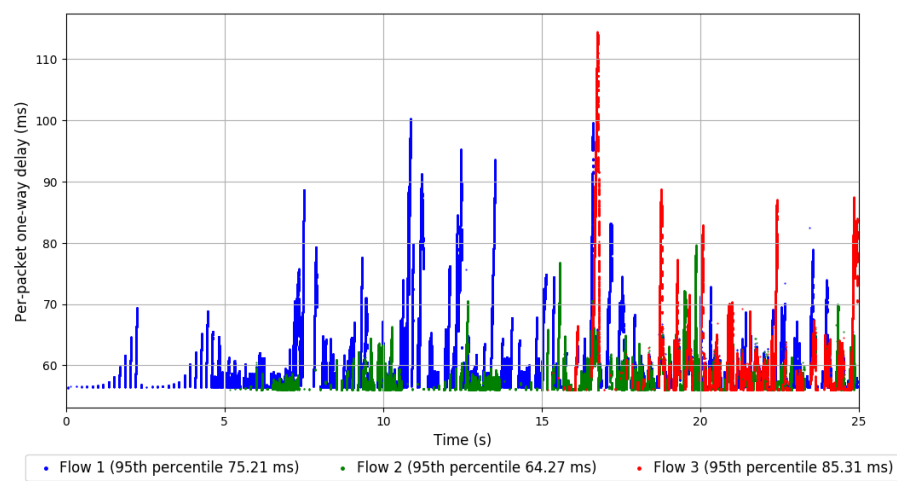
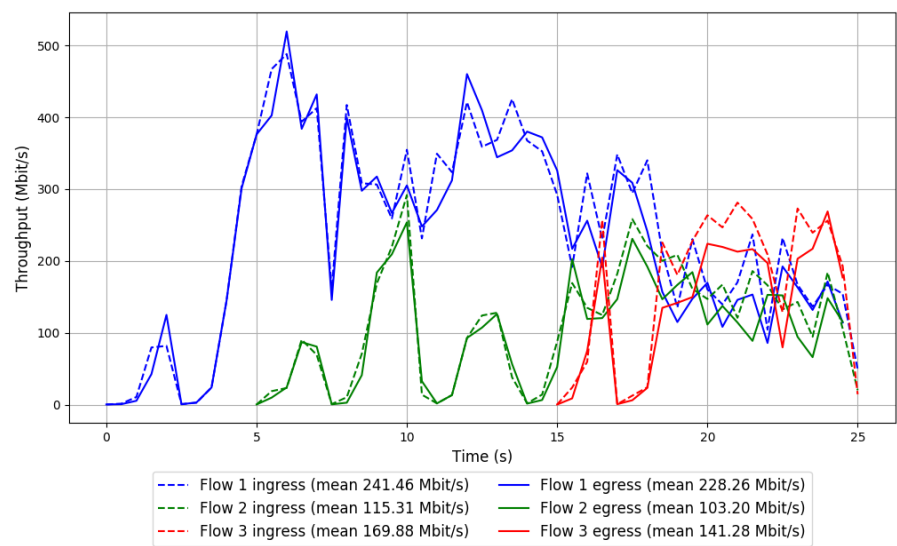
-- Flow 3:

Average throughput: 141.28 Mbit/s

95th percentile per-packet one-way delay: 85.314 ms

Loss rate: 18.24%

Run 8: Report of Verus — Data Link

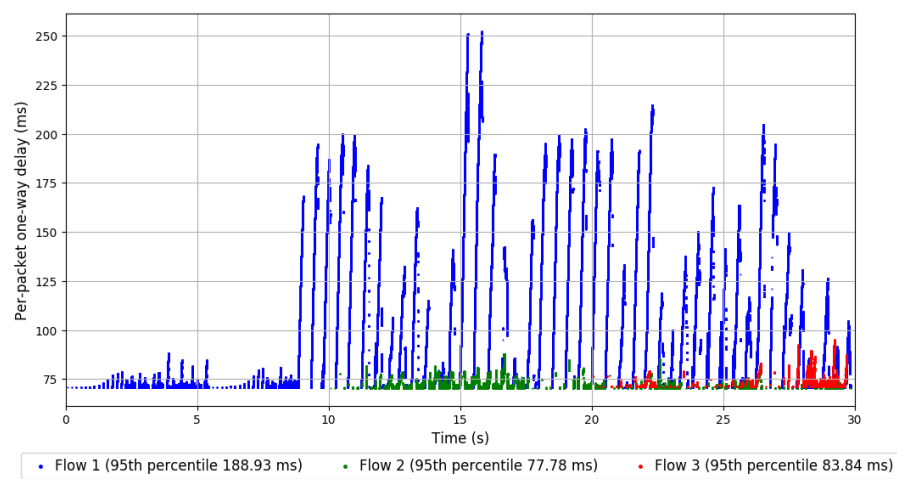
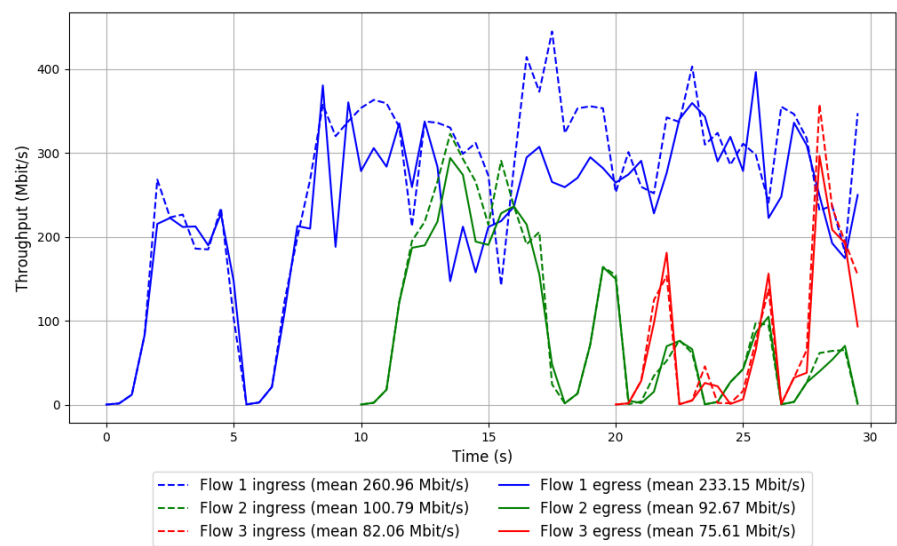


Run 9: Statistics of Verus

Start at: 2017-09-21 22:15:51
End at: 2017-09-21 22:16:21
Local clock offset: 0.072 ms
Remote clock offset: 8.725 ms

Below is generated by plot.py at 2017-09-22 02:58:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.07 Mbit/s
95th percentile per-packet one-way delay: 185.581 ms
Loss rate: 10.56%
-- Flow 1:
Average throughput: 233.15 Mbit/s
95th percentile per-packet one-way delay: 188.926 ms
Loss rate: 11.16%
-- Flow 2:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 77.782 ms
Loss rate: 8.05%
-- Flow 3:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 83.842 ms
Loss rate: 11.04%

Run 9: Report of Verus — Data Link

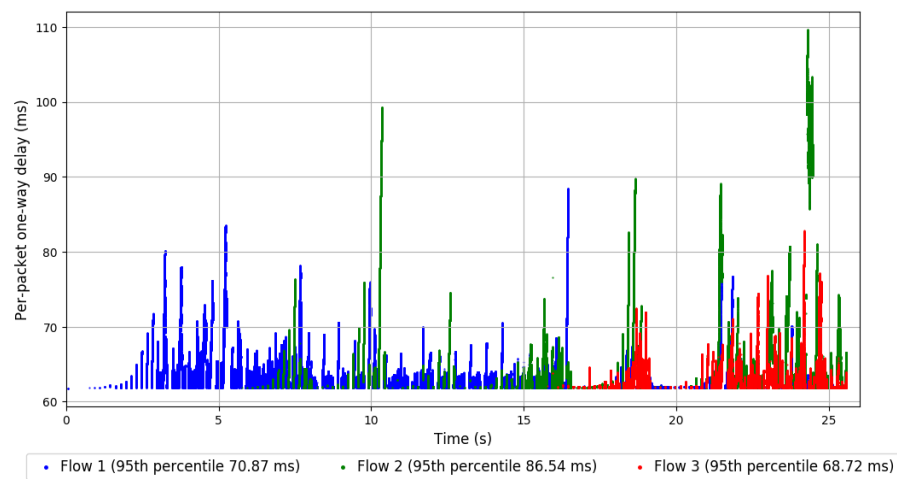
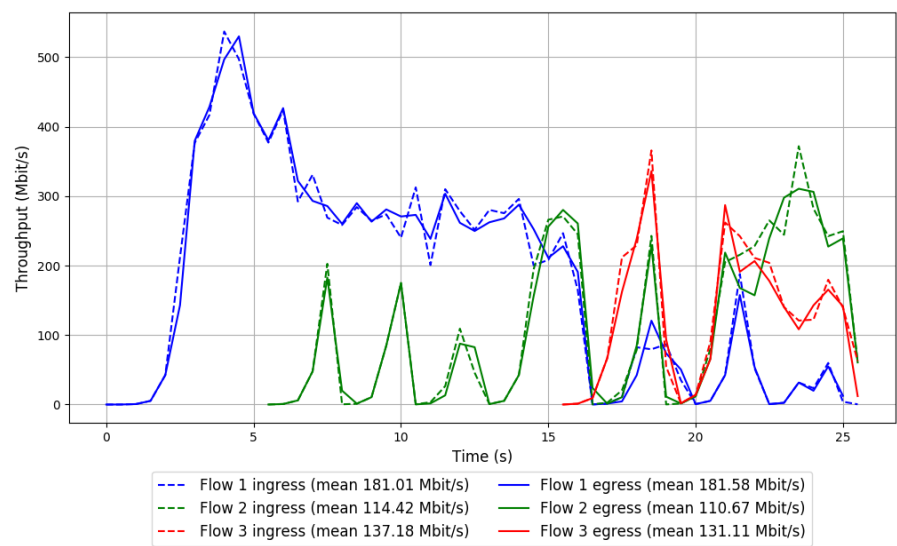


Run 10: Statistics of Verus

Start at: 2017-09-21 22:36:31
End at: 2017-09-21 22:37:01
Local clock offset: 0.068 ms
Remote clock offset: 17.376 ms

Below is generated by plot.py at 2017-09-22 02:58:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.93 Mbit/s
95th percentile per-packet one-way delay: 73.478 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 181.58 Mbit/s
95th percentile per-packet one-way delay: 70.872 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 110.67 Mbit/s
95th percentile per-packet one-way delay: 86.539 ms
Loss rate: 3.58%
-- Flow 3:
Average throughput: 131.11 Mbit/s
95th percentile per-packet one-way delay: 68.725 ms
Loss rate: 6.12%

Run 10: Report of Verus — Data Link

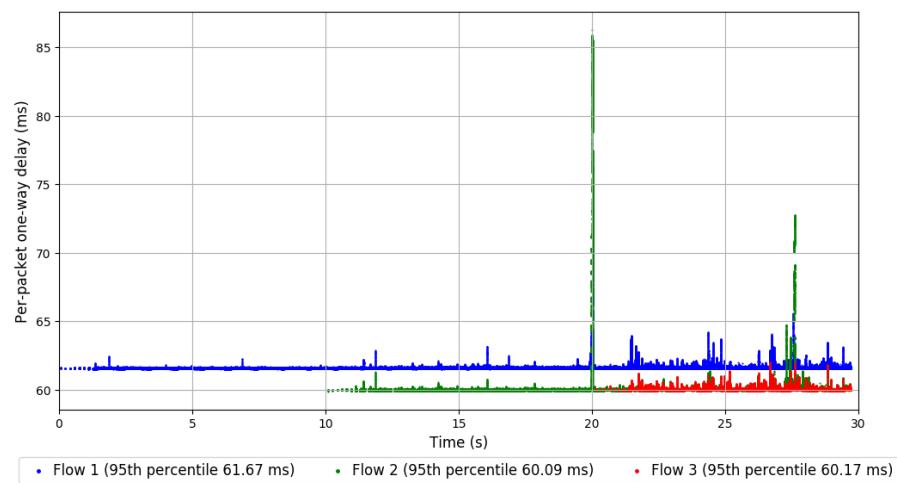
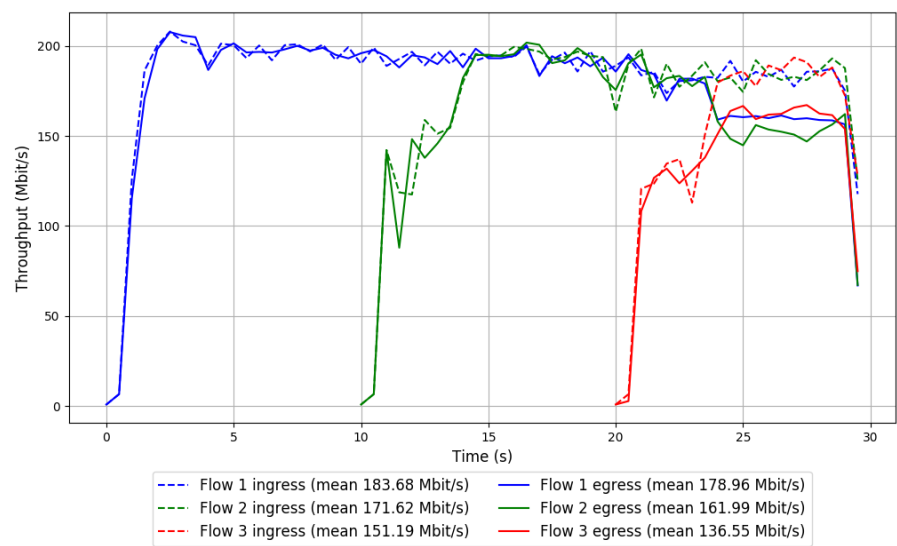


Run 1: Statistics of Indigo

Start at: 2017-09-21 19:34:41
End at: 2017-09-21 19:35:11
Local clock offset: 0.204 ms
Remote clock offset: 20.901 ms

Below is generated by plot.py at 2017-09-22 02:59:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.22 Mbit/s
95th percentile per-packet one-way delay: 61.653 ms
Loss rate: 5.36%
-- Flow 1:
Average throughput: 178.96 Mbit/s
95th percentile per-packet one-way delay: 61.669 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 161.99 Mbit/s
95th percentile per-packet one-way delay: 60.092 ms
Loss rate: 6.41%
-- Flow 3:
Average throughput: 136.55 Mbit/s
95th percentile per-packet one-way delay: 60.166 ms
Loss rate: 11.25%

Run 1: Report of Indigo — Data Link

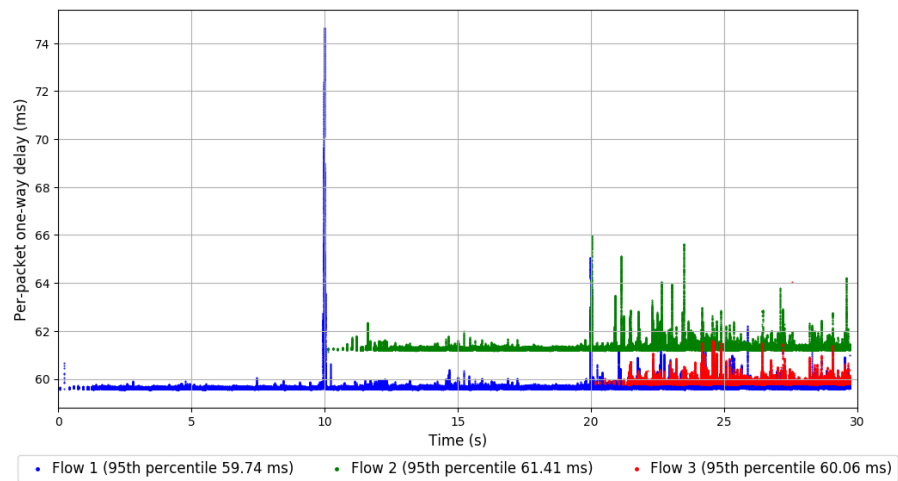
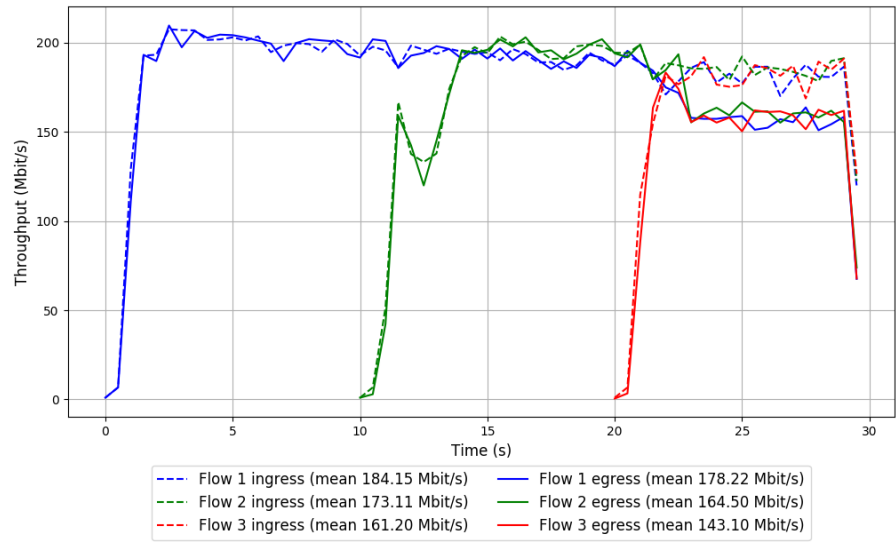


Run 2: Statistics of Indigo

Start at: 2017-09-21 19:55:03
End at: 2017-09-21 19:55:33
Local clock offset: 0.1 ms
Remote clock offset: 21.876 ms

Below is generated by plot.py at 2017-09-22 03:01:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.92 Mbit/s
95th percentile per-packet one-way delay: 61.313 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 178.22 Mbit/s
95th percentile per-packet one-way delay: 59.737 ms
Loss rate: 3.76%
-- Flow 2:
Average throughput: 164.50 Mbit/s
95th percentile per-packet one-way delay: 61.415 ms
Loss rate: 5.79%
-- Flow 3:
Average throughput: 143.10 Mbit/s
95th percentile per-packet one-way delay: 60.060 ms
Loss rate: 12.76%

Run 2: Report of Indigo — Data Link

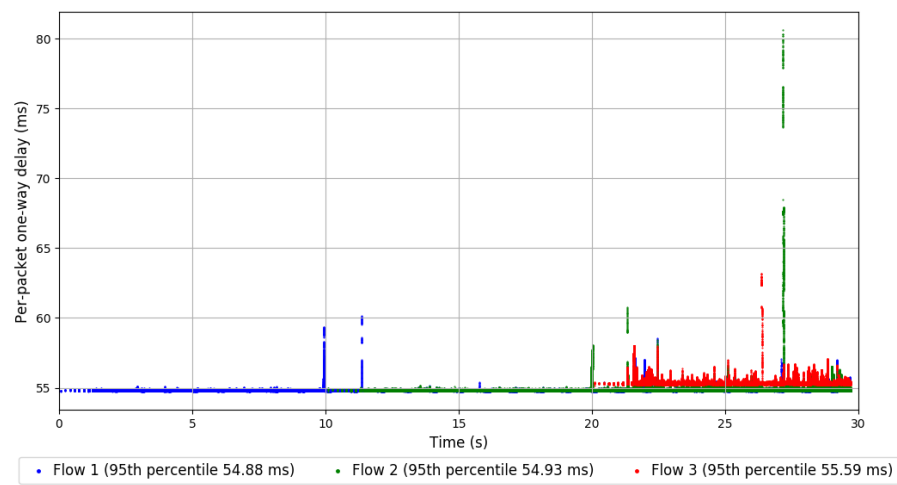
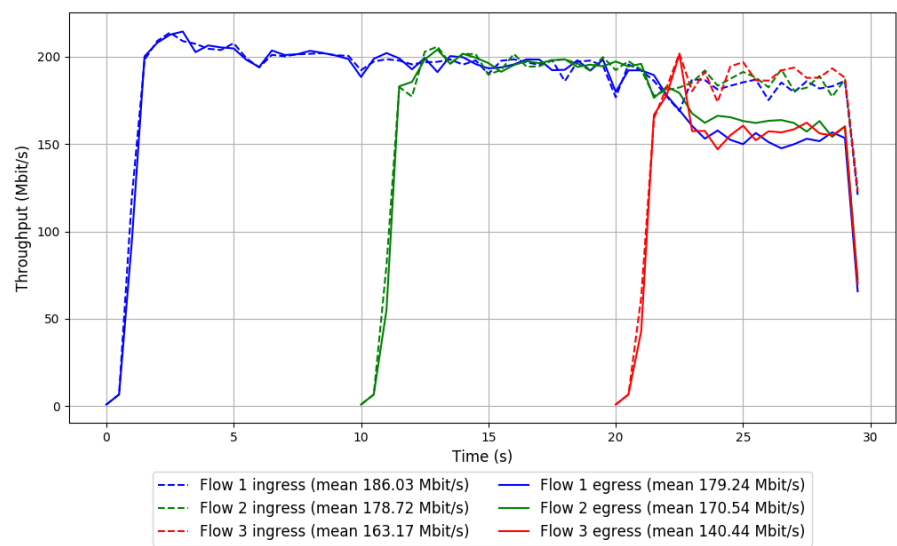


Run 3: Statistics of Indigo

Start at: 2017-09-21 20:15:27
End at: 2017-09-21 20:15:57
Local clock offset: 0.098 ms
Remote clock offset: 26.475 ms

Below is generated by plot.py at 2017-09-22 03:01:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 337.58 Mbit/s
95th percentile per-packet one-way delay: 55.328 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 179.24 Mbit/s
95th percentile per-packet one-way delay: 54.883 ms
Loss rate: 4.20%
-- Flow 2:
Average throughput: 170.54 Mbit/s
95th percentile per-packet one-way delay: 54.929 ms
Loss rate: 5.39%
-- Flow 3:
Average throughput: 140.44 Mbit/s
95th percentile per-packet one-way delay: 55.589 ms
Loss rate: 15.42%

Run 3: Report of Indigo — Data Link

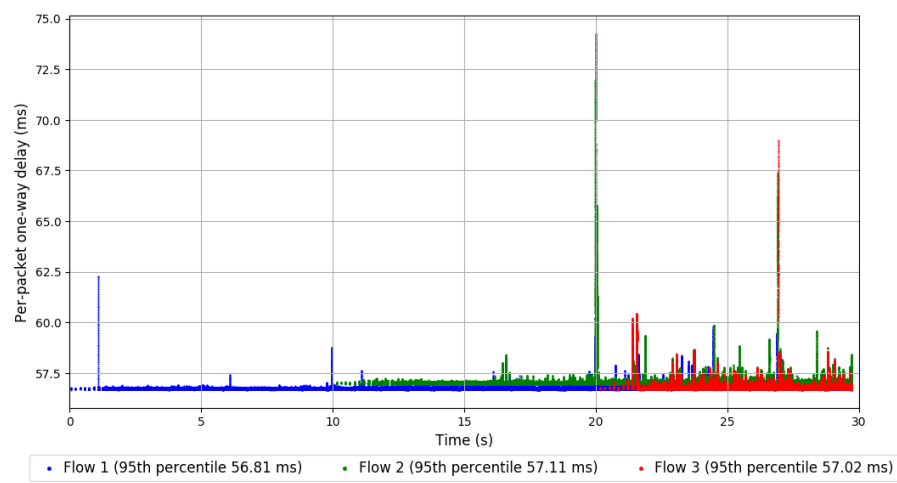
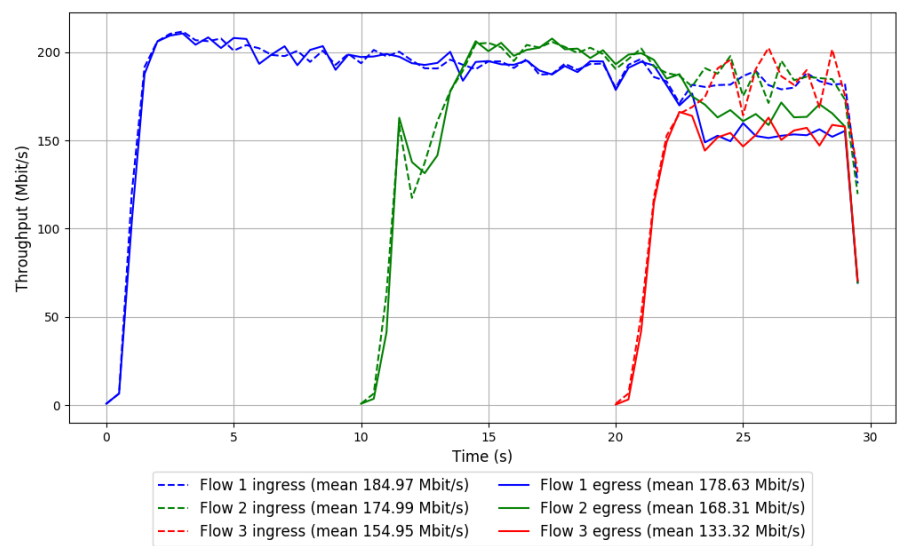


Run 4: Statistics of Indigo

Start at: 2017-09-21 20:36:02
End at: 2017-09-21 20:36:32
Local clock offset: 0.142 ms
Remote clock offset: 24.654 ms

Below is generated by plot.py at 2017-09-22 03:01:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.66 Mbit/s
95th percentile per-packet one-way delay: 57.057 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 178.63 Mbit/s
95th percentile per-packet one-way delay: 56.815 ms
Loss rate: 3.98%
-- Flow 2:
Average throughput: 168.31 Mbit/s
95th percentile per-packet one-way delay: 57.114 ms
Loss rate: 4.64%
-- Flow 3:
Average throughput: 133.32 Mbit/s
95th percentile per-packet one-way delay: 57.024 ms
Loss rate: 15.46%

Run 4: Report of Indigo — Data Link

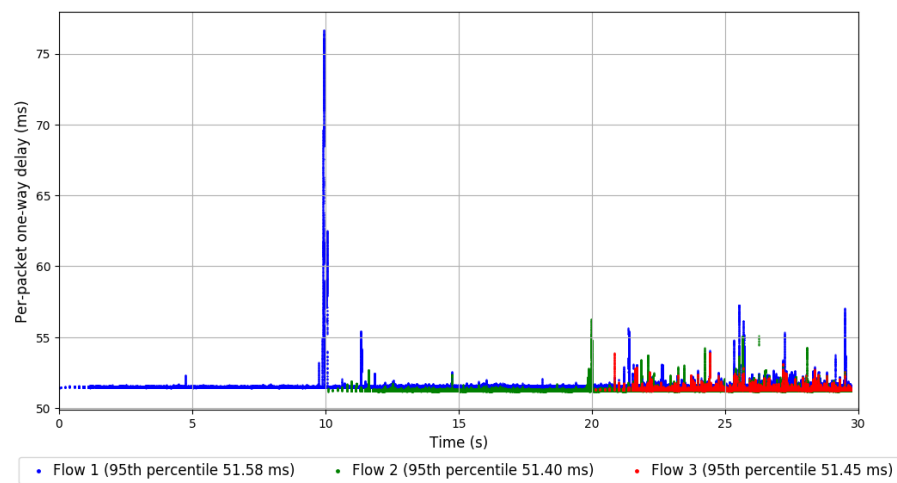
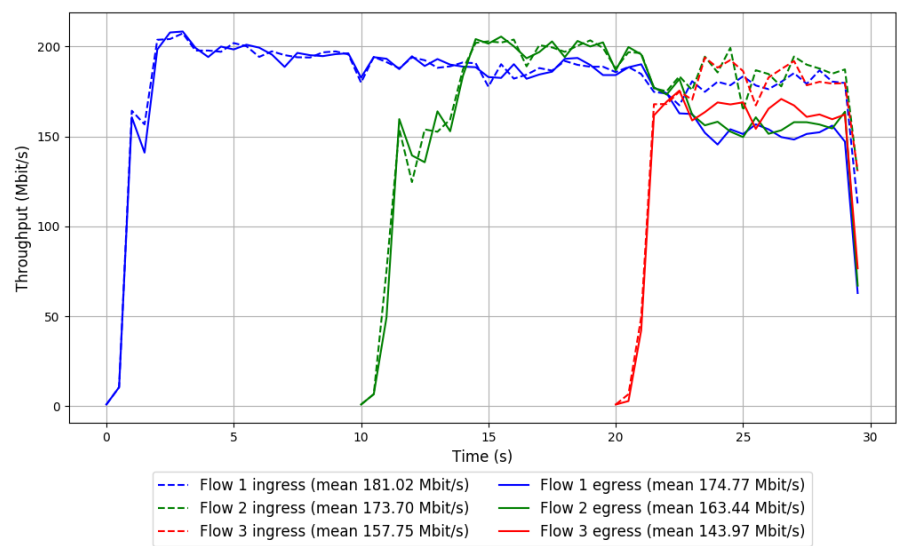


Run 5: Statistics of Indigo

Start at: 2017-09-21 20:56:53
End at: 2017-09-21 20:57:23
Local clock offset: 0.11 ms
Remote clock offset: 30.133 ms

Below is generated by plot.py at 2017-09-22 03:01:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.32 Mbit/s
95th percentile per-packet one-way delay: 51.564 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 174.77 Mbit/s
95th percentile per-packet one-way delay: 51.582 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 163.44 Mbit/s
95th percentile per-packet one-way delay: 51.397 ms
Loss rate: 6.71%
-- Flow 3:
Average throughput: 143.97 Mbit/s
95th percentile per-packet one-way delay: 51.454 ms
Loss rate: 10.32%

Run 5: Report of Indigo — Data Link

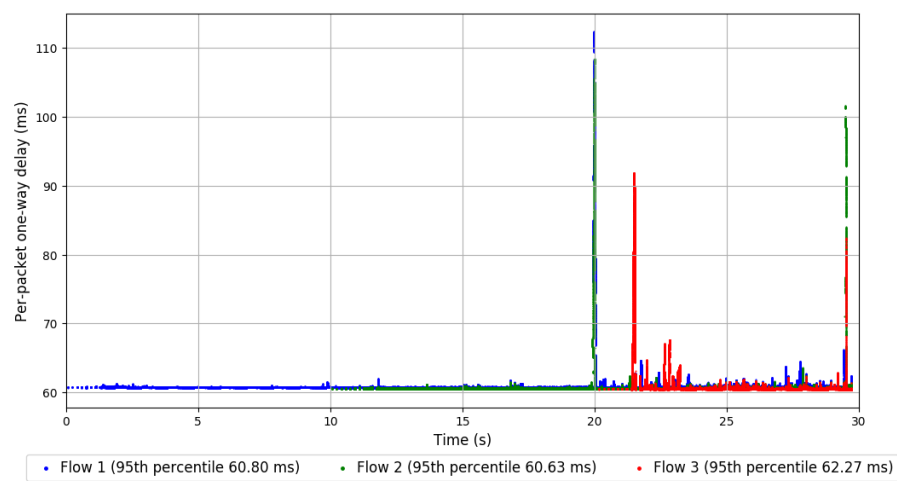
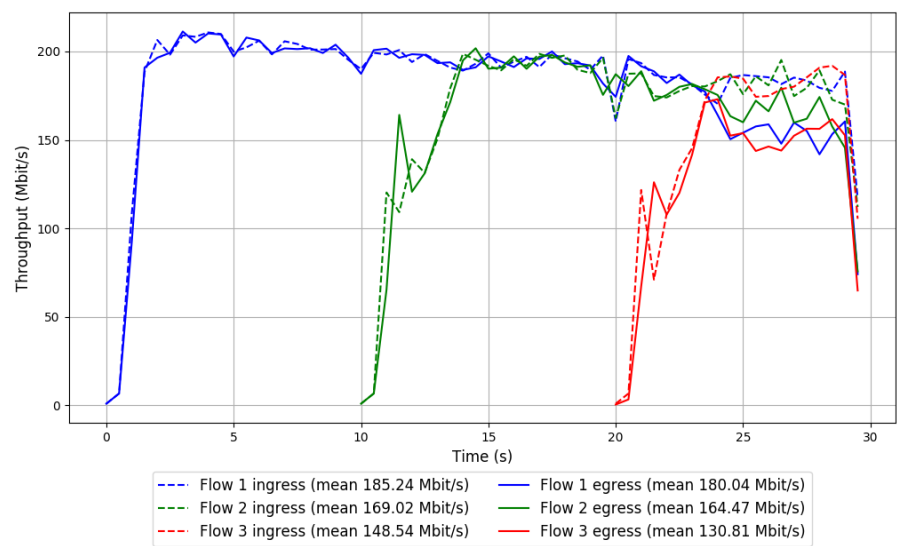


Run 6: Statistics of Indigo

Start at: 2017-09-21 21:17:40
End at: 2017-09-21 21:18:10
Local clock offset: 0.095 ms
Remote clock offset: 20.492 ms

Below is generated by plot.py at 2017-09-22 03:03:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.05 Mbit/s
95th percentile per-packet one-way delay: 60.795 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 180.04 Mbit/s
95th percentile per-packet one-way delay: 60.798 ms
Loss rate: 3.35%
-- Flow 2:
Average throughput: 164.47 Mbit/s
95th percentile per-packet one-way delay: 60.626 ms
Loss rate: 3.51%
-- Flow 3:
Average throughput: 130.81 Mbit/s
95th percentile per-packet one-way delay: 62.269 ms
Loss rate: 13.46%

Run 6: Report of Indigo — Data Link

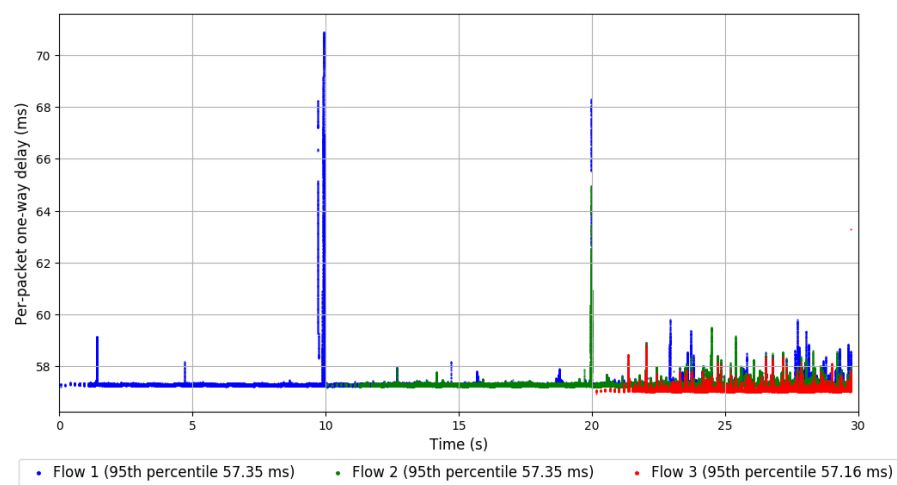
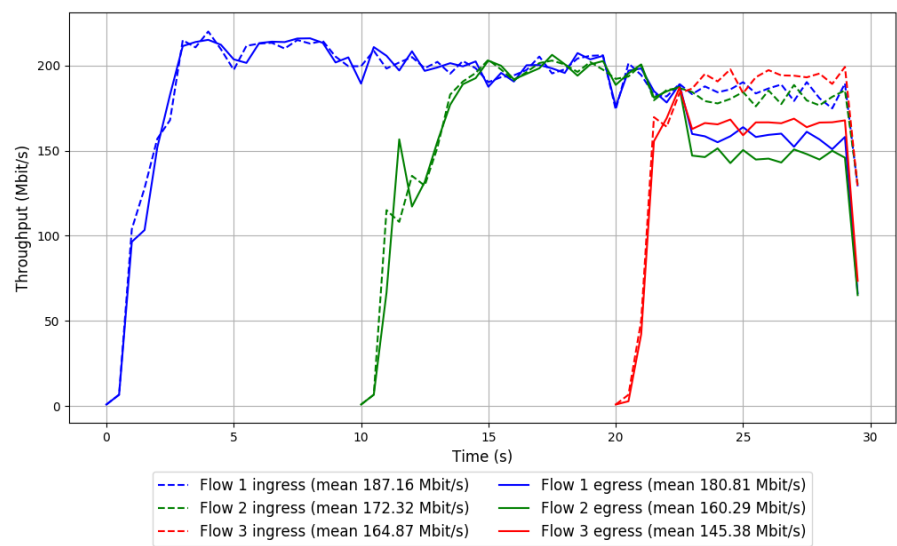


Run 7: Statistics of Indigo

Start at: 2017-09-21 21:37:53
End at: 2017-09-21 21:38:23
Local clock offset: -0.001 ms
Remote clock offset: 23.314 ms

Below is generated by plot.py at 2017-09-22 03:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.86 Mbit/s
95th percentile per-packet one-way delay: 57.347 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 180.81 Mbit/s
95th percentile per-packet one-way delay: 57.350 ms
Loss rate: 3.94%
-- Flow 2:
Average throughput: 160.29 Mbit/s
95th percentile per-packet one-way delay: 57.349 ms
Loss rate: 7.77%
-- Flow 3:
Average throughput: 145.38 Mbit/s
95th percentile per-packet one-way delay: 57.157 ms
Loss rate: 13.29%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-21 21:58:46

End at: 2017-09-21 21:59:16

Local clock offset: 0.065 ms

Remote clock offset: 24.57 ms

Below is generated by plot.py at 2017-09-22 03:04:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 334.07 Mbit/s

95th percentile per-packet one-way delay: 55.800 ms

Loss rate: 5.08%

-- Flow 1:

Average throughput: 176.61 Mbit/s

95th percentile per-packet one-way delay: 55.564 ms

Loss rate: 3.58%

-- Flow 2:

Average throughput: 168.75 Mbit/s

95th percentile per-packet one-way delay: 55.583 ms

Loss rate: 5.98%

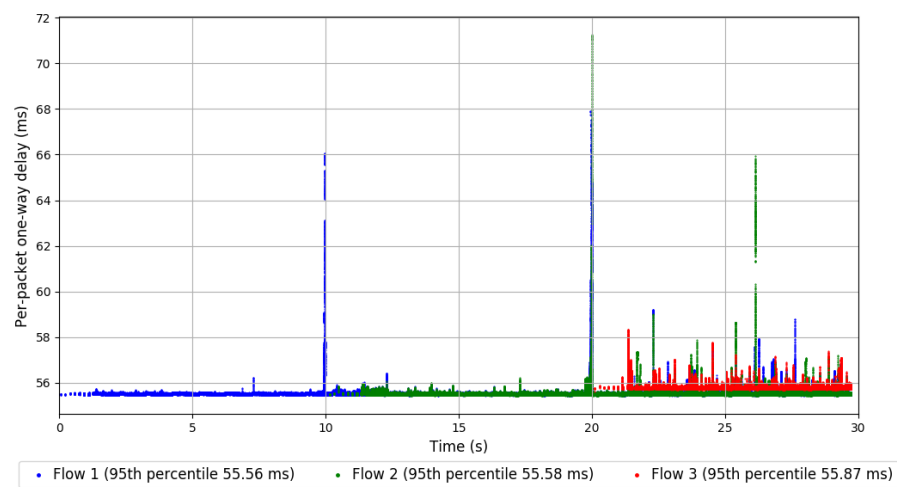
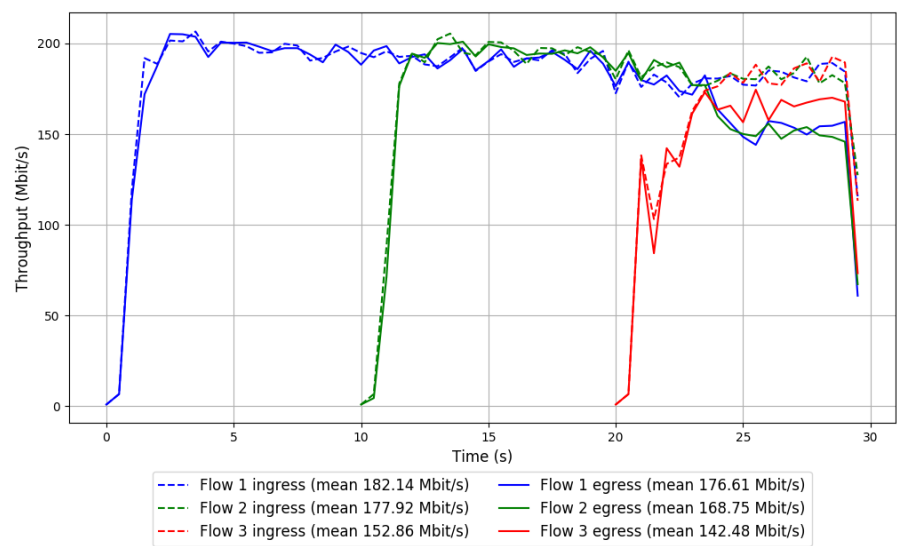
-- Flow 3:

Average throughput: 142.48 Mbit/s

95th percentile per-packet one-way delay: 55.865 ms

Loss rate: 8.39%

Run 8: Report of Indigo — Data Link

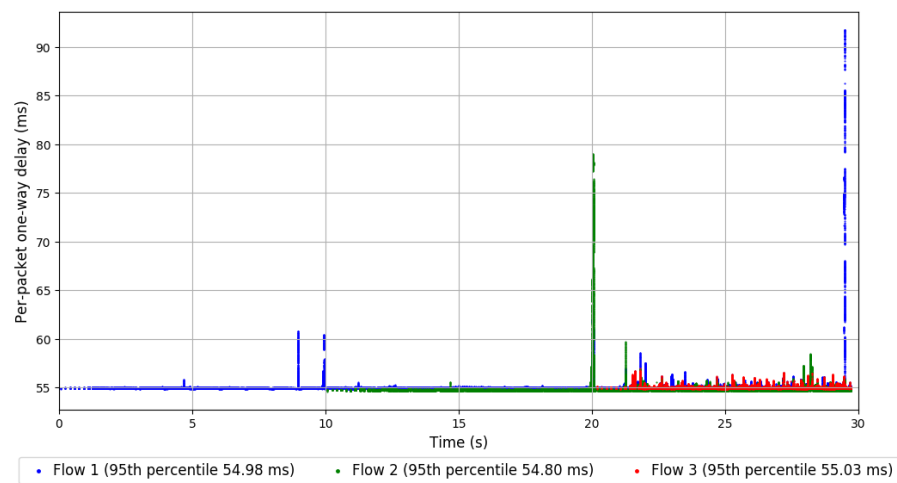
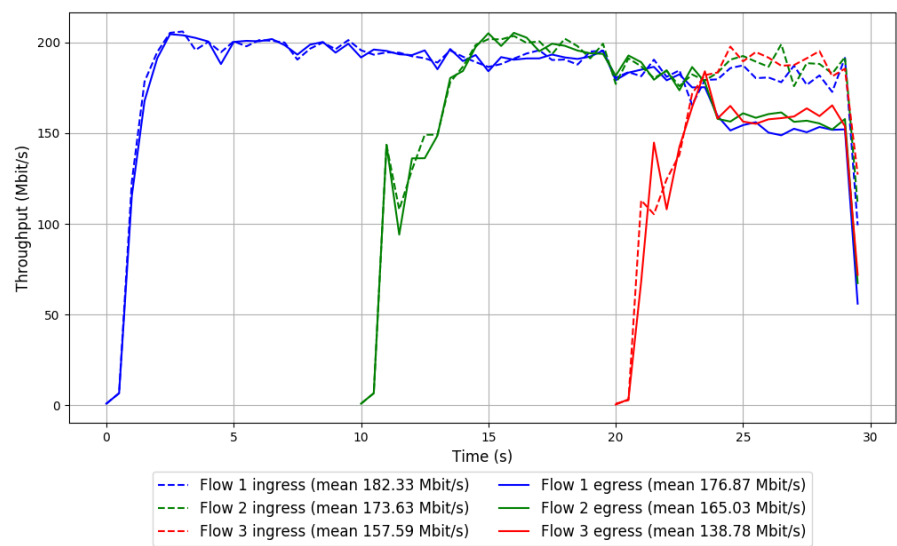


Run 9: Statistics of Indigo

Start at: 2017-09-21 22:20:10
End at: 2017-09-21 22:20:40
Local clock offset: 0.194 ms
Remote clock offset: 24.766 ms

Below is generated by plot.py at 2017-09-22 03:04:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.61 Mbit/s
95th percentile per-packet one-way delay: 54.984 ms
Loss rate: 5.73%
-- Flow 1:
Average throughput: 176.87 Mbit/s
95th percentile per-packet one-way delay: 54.985 ms
Loss rate: 3.54%
-- Flow 2:
Average throughput: 165.03 Mbit/s
95th percentile per-packet one-way delay: 54.805 ms
Loss rate: 5.76%
-- Flow 3:
Average throughput: 138.78 Mbit/s
95th percentile per-packet one-way delay: 55.028 ms
Loss rate: 13.47%

Run 9: Report of Indigo — Data Link

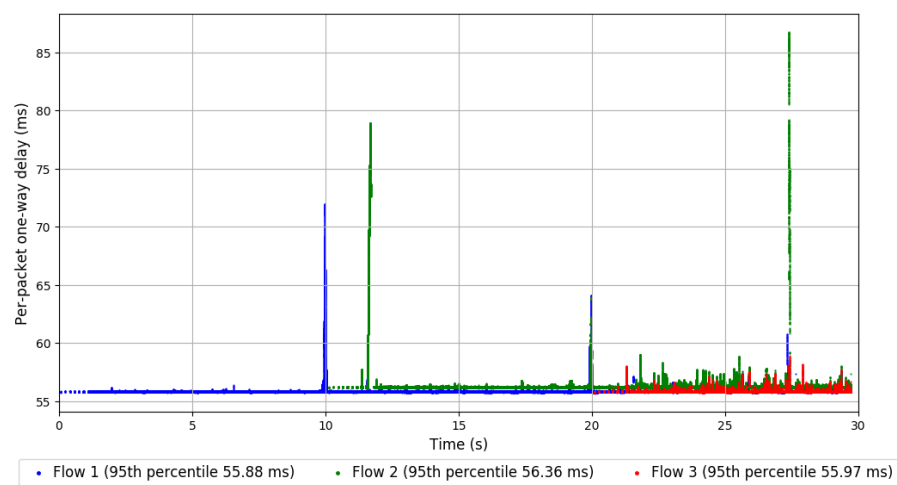
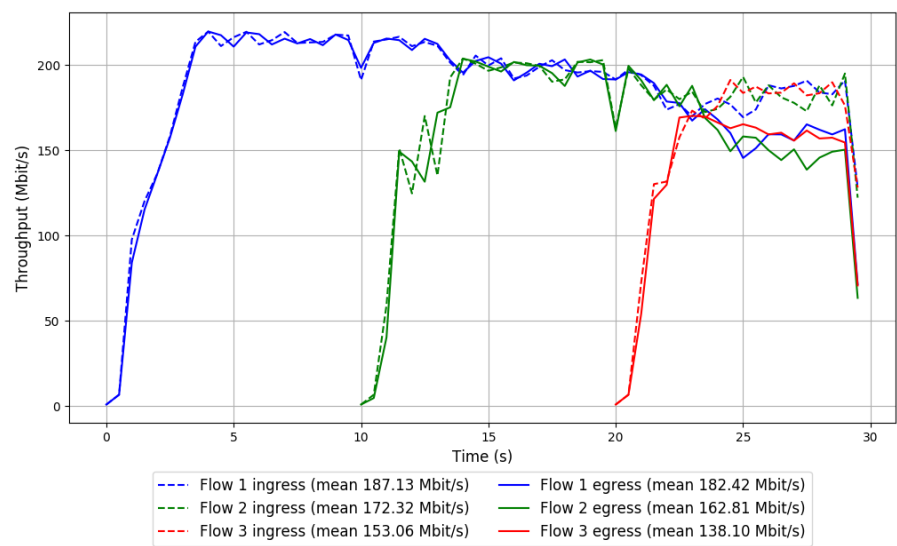


Run 10: Statistics of Indigo

Start at: 2017-09-21 22:40:43
End at: 2017-09-21 22:41:13
Local clock offset: 0.075 ms
Remote clock offset: 23.265 ms

Below is generated by plot.py at 2017-09-22 03:06:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.70 Mbit/s
95th percentile per-packet one-way delay: 56.269 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 182.42 Mbit/s
95th percentile per-packet one-way delay: 55.885 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 162.81 Mbit/s
95th percentile per-packet one-way delay: 56.359 ms
Loss rate: 6.33%
-- Flow 3:
Average throughput: 138.10 Mbit/s
95th percentile per-packet one-way delay: 55.974 ms
Loss rate: 11.33%

Run 10: Report of Indigo — Data Link

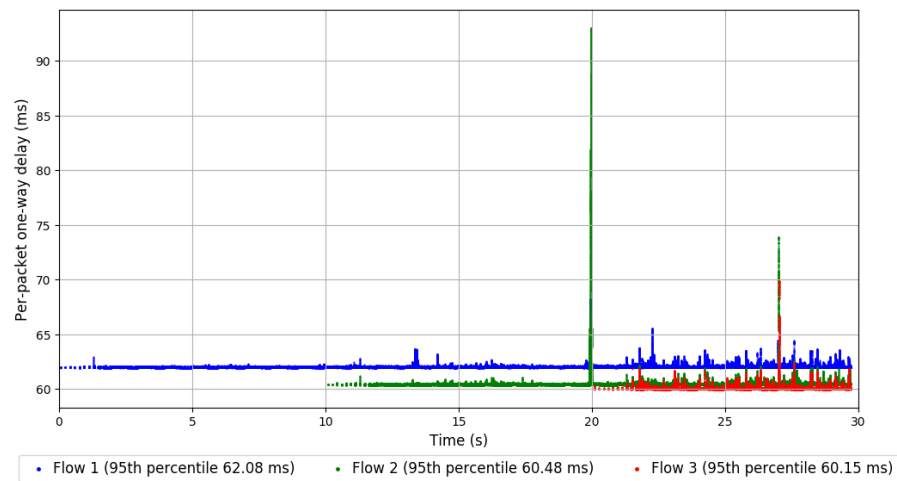
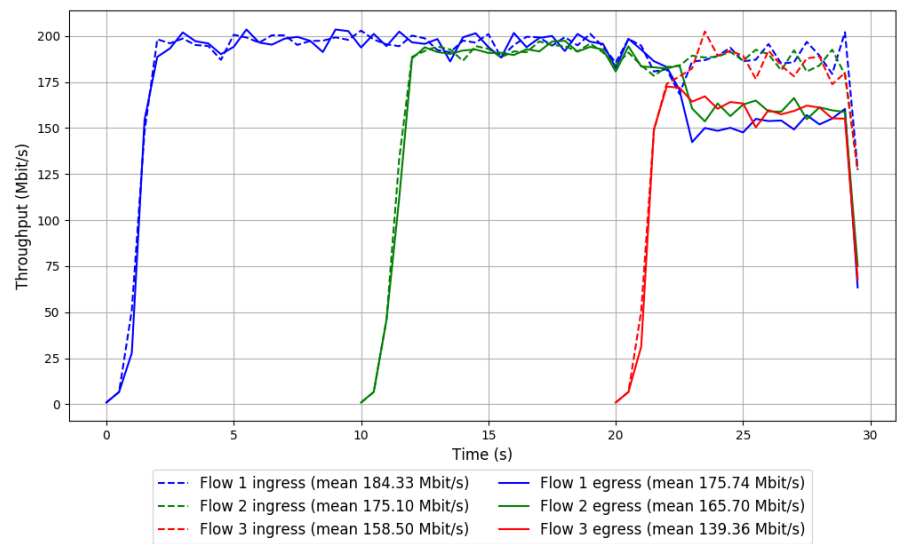


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 19:24:07
End at: 2017-09-21 19:24:37
Local clock offset: 0.211 ms
Remote clock offset: 19.975 ms

# Below is generated by plot.py at 2017-09-22 03:06:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.62 Mbit/s
95th percentile per-packet one-way delay: 62.057 ms
Loss rate: 6.76%
-- Flow 1:
Average throughput: 175.74 Mbit/s
95th percentile per-packet one-way delay: 62.075 ms
Loss rate: 5.21%
-- Flow 2:
Average throughput: 165.70 Mbit/s
95th percentile per-packet one-way delay: 60.484 ms
Loss rate: 6.17%
-- Flow 3:
Average throughput: 139.36 Mbit/s
95th percentile per-packet one-way delay: 60.151 ms
Loss rate: 13.60%
```


Run 1: Report of Indigo-calib — Data Link

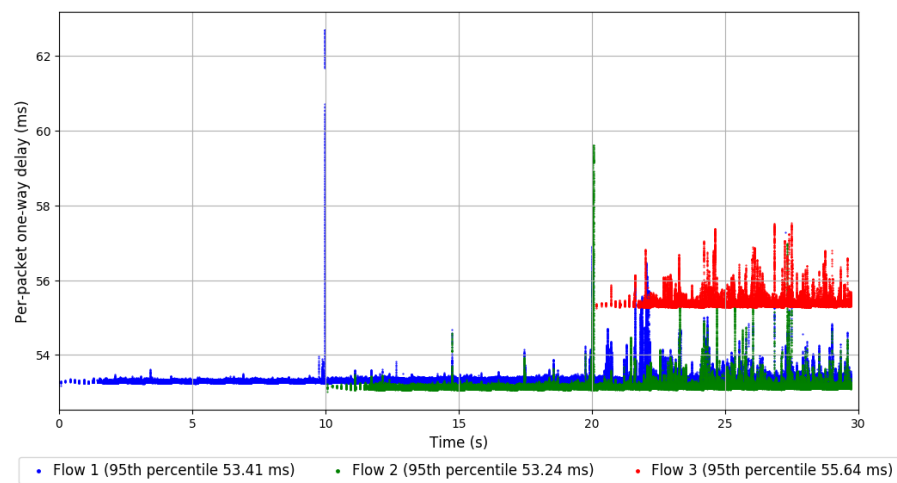
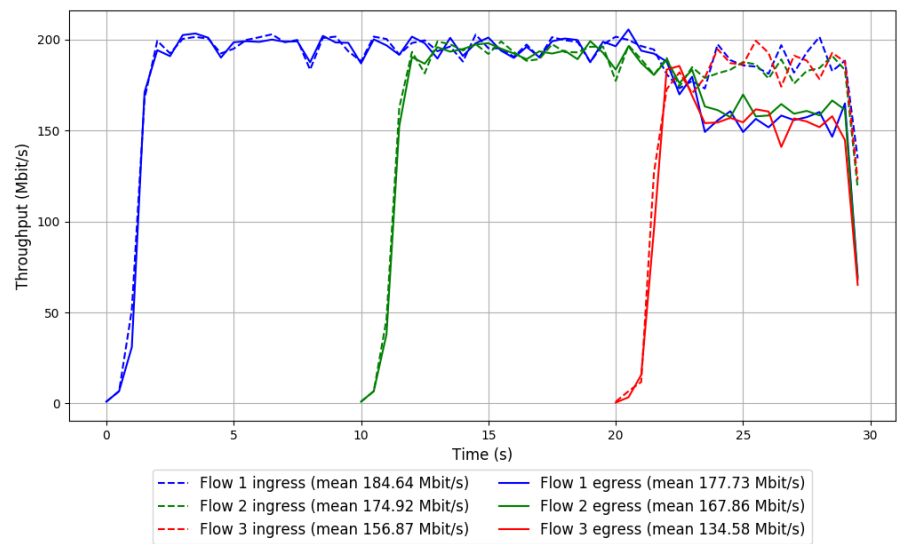


Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 19:44:49
End at: 2017-09-21 19:45:19
Local clock offset: 0.194 ms
Remote clock offset: 27.904 ms

Below is generated by plot.py at 2017-09-22 03:06:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.13 Mbit/s
95th percentile per-packet one-way delay: 55.382 ms
Loss rate: 6.13%
-- Flow 1:
Average throughput: 177.73 Mbit/s
95th percentile per-packet one-way delay: 53.412 ms
Loss rate: 4.29%
-- Flow 2:
Average throughput: 167.86 Mbit/s
95th percentile per-packet one-way delay: 53.236 ms
Loss rate: 4.86%
-- Flow 3:
Average throughput: 134.58 Mbit/s
95th percentile per-packet one-way delay: 55.636 ms
Loss rate: 15.72%

Run 2: Report of Indigo-calib — Data Link

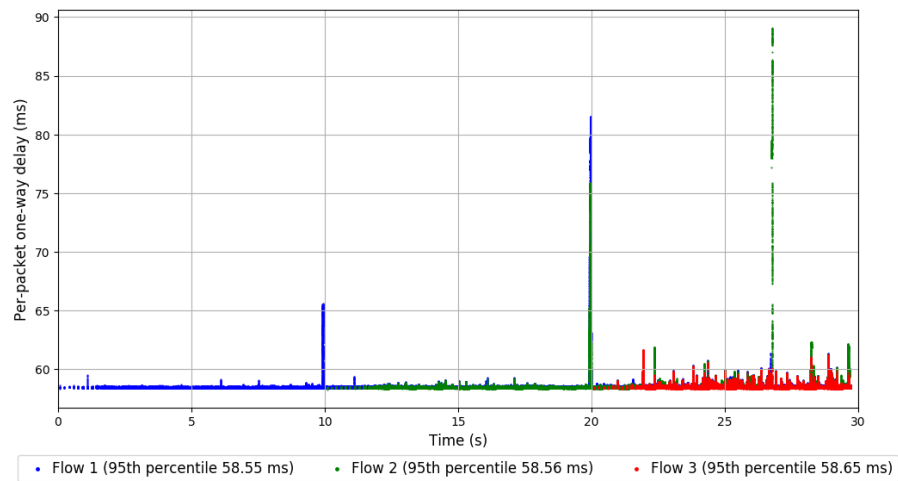
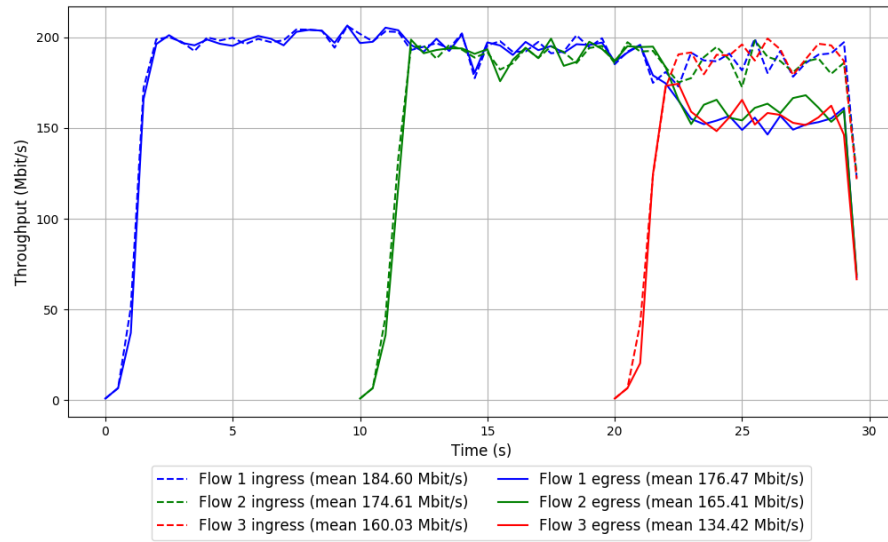


Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 20:05:13
End at: 2017-09-21 20:05:43
Local clock offset: 0.163 ms
Remote clock offset: 23.072 ms

Below is generated by plot.py at 2017-09-22 03:06:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.51 Mbit/s
95th percentile per-packet one-way delay: 58.563 ms
Loss rate: 7.18%
-- Flow 1:
Average throughput: 176.47 Mbit/s
95th percentile per-packet one-way delay: 58.555 ms
Loss rate: 4.96%
-- Flow 2:
Average throughput: 165.41 Mbit/s
95th percentile per-packet one-way delay: 58.565 ms
Loss rate: 6.08%
-- Flow 3:
Average throughput: 134.42 Mbit/s
95th percentile per-packet one-way delay: 58.651 ms
Loss rate: 17.45%

Run 3: Report of Indigo-calib — Data Link

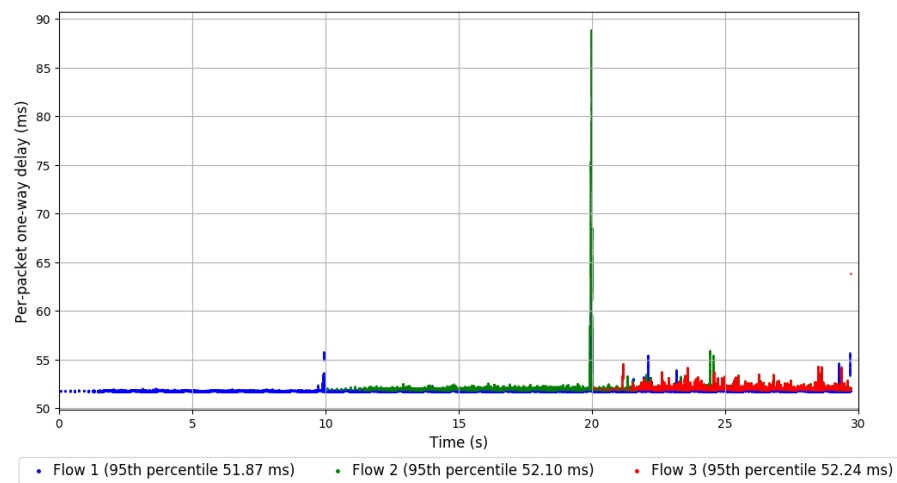
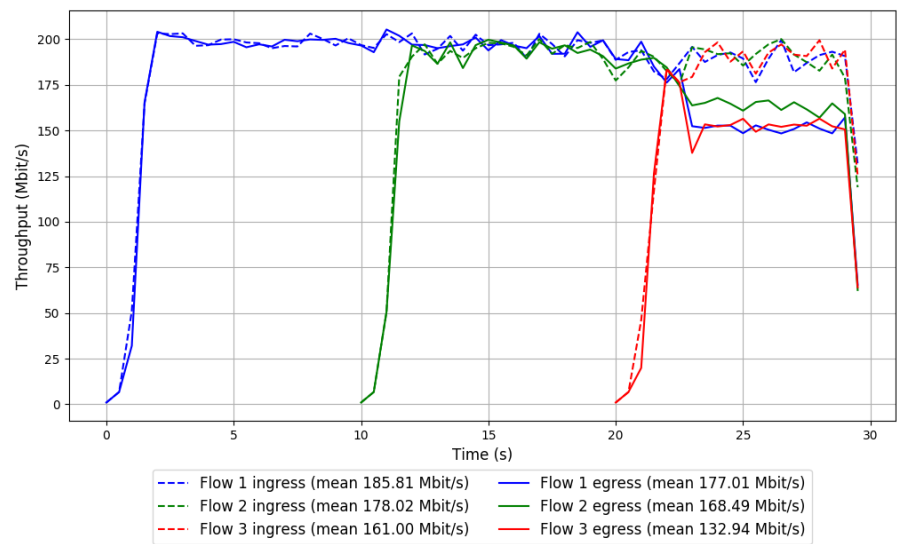


Run 4: Statistics of Indigo-calib

Start at: 2017-09-21 20:25:39
End at: 2017-09-21 20:26:09
Local clock offset: 0.123 ms
Remote clock offset: 29.504 ms

Below is generated by plot.py at 2017-09-22 03:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.55 Mbit/s
95th percentile per-packet one-way delay: 52.065 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 177.01 Mbit/s
95th percentile per-packet one-way delay: 51.870 ms
Loss rate: 5.27%
-- Flow 2:
Average throughput: 168.49 Mbit/s
95th percentile per-packet one-way delay: 52.104 ms
Loss rate: 6.16%
-- Flow 3:
Average throughput: 132.94 Mbit/s
95th percentile per-packet one-way delay: 52.243 ms
Loss rate: 18.75%

Run 4: Report of Indigo-calib — Data Link

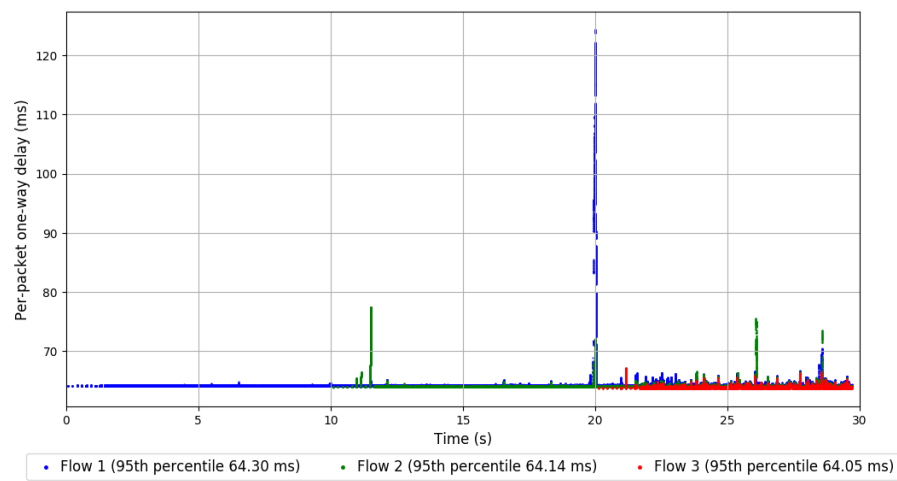
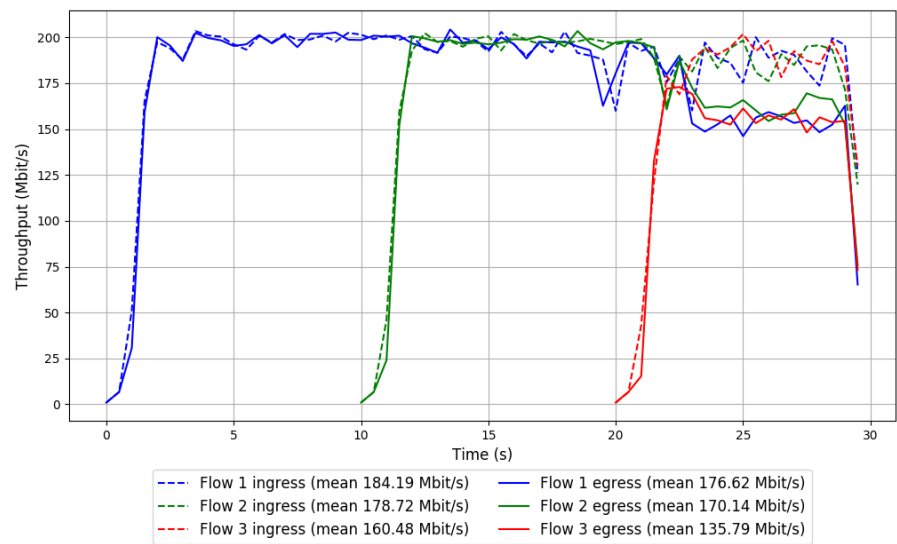


Run 5: Statistics of Indigo-calib

Start at: 2017-09-21 20:46:12
End at: 2017-09-21 20:46:42
Local clock offset: 0.137 ms
Remote clock offset: 17.153 ms

Below is generated by plot.py at 2017-09-22 03:09:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.07 Mbit/s
95th percentile per-packet one-way delay: 64.278 ms
Loss rate: 6.79%
-- Flow 1:
Average throughput: 176.62 Mbit/s
95th percentile per-packet one-way delay: 64.300 ms
Loss rate: 4.65%
-- Flow 2:
Average throughput: 170.14 Mbit/s
95th percentile per-packet one-way delay: 64.137 ms
Loss rate: 5.65%
-- Flow 3:
Average throughput: 135.79 Mbit/s
95th percentile per-packet one-way delay: 64.047 ms
Loss rate: 16.84%

Run 5: Report of Indigo-calib — Data Link

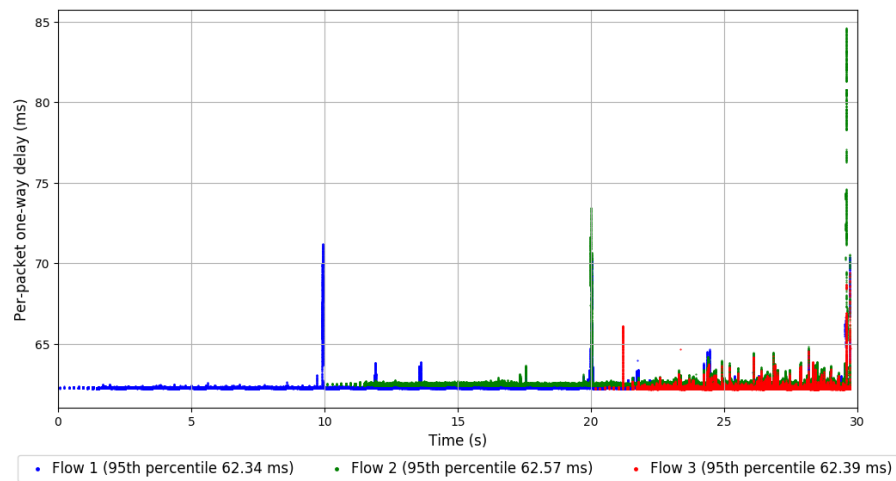
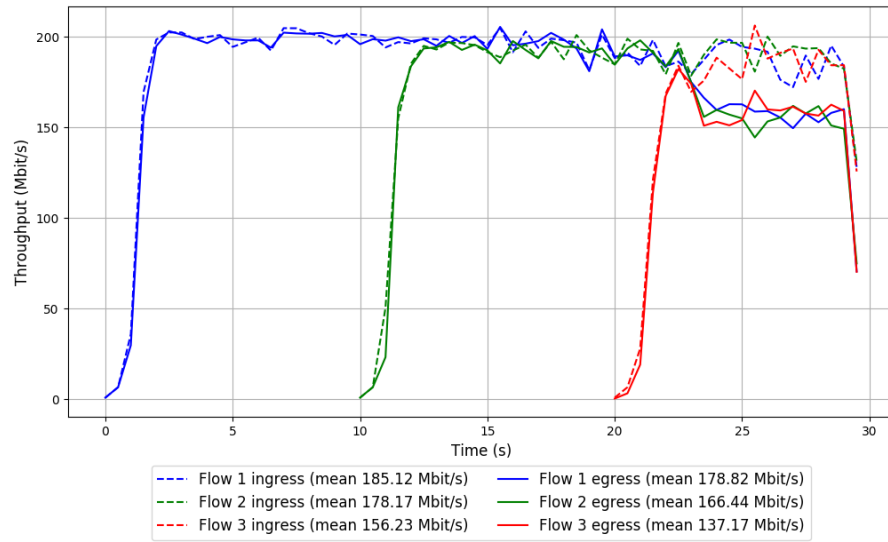


Run 6: Statistics of Indigo-calib

Start at: 2017-09-21 21:07:04
End at: 2017-09-21 21:07:34
Local clock offset: 0.079 ms
Remote clock offset: 18.934 ms

Below is generated by plot.py at 2017-09-22 03:09:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.12 Mbit/s
95th percentile per-packet one-way delay: 62.535 ms
Loss rate: 6.50%
-- Flow 1:
Average throughput: 178.82 Mbit/s
95th percentile per-packet one-way delay: 62.339 ms
Loss rate: 3.95%
-- Flow 2:
Average throughput: 166.44 Mbit/s
95th percentile per-packet one-way delay: 62.571 ms
Loss rate: 7.40%
-- Flow 3:
Average throughput: 137.17 Mbit/s
95th percentile per-packet one-way delay: 62.388 ms
Loss rate: 13.69%

Run 6: Report of Indigo-calib — Data Link

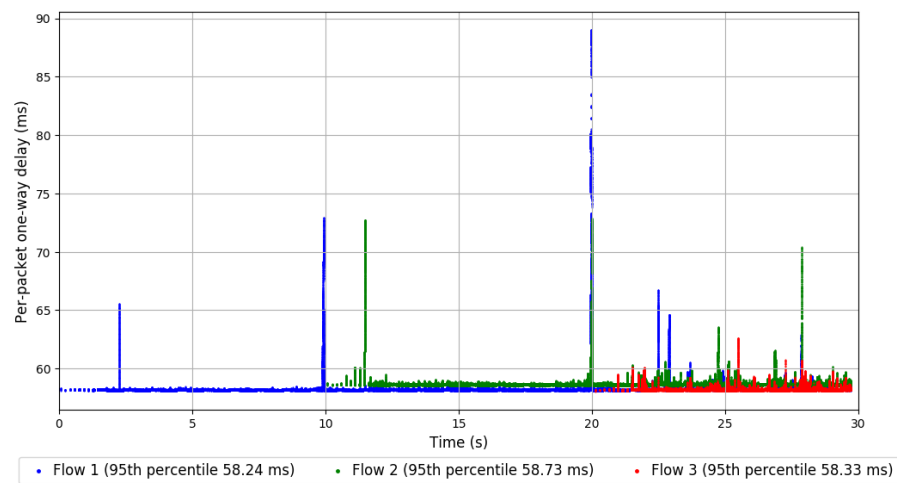
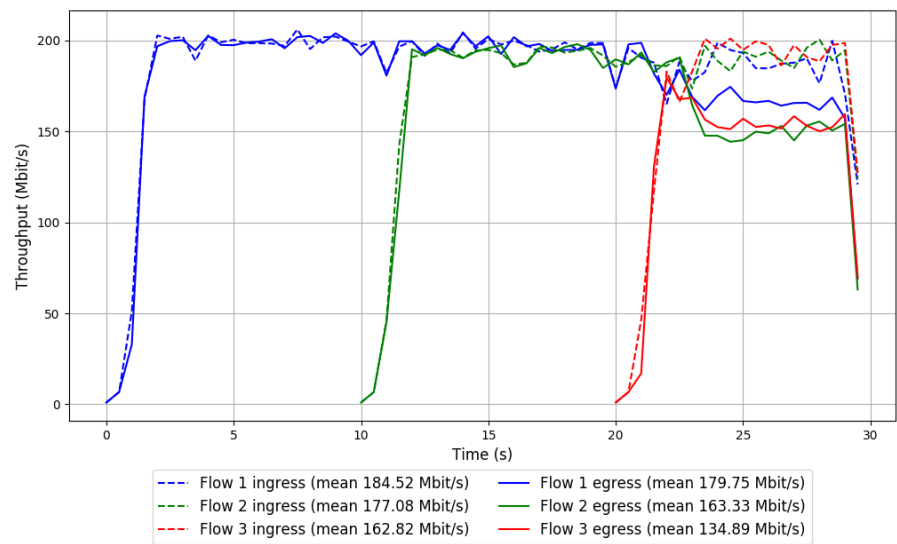


Run 7: Statistics of Indigo-calib

Start at: 2017-09-21 21:27:45
End at: 2017-09-21 21:28:15
Local clock offset: 0.074 ms
Remote clock offset: 22.465 ms

Below is generated by plot.py at 2017-09-22 03:09:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.52 Mbit/s
95th percentile per-packet one-way delay: 58.661 ms
Loss rate: 7.25%
-- Flow 1:
Average throughput: 179.75 Mbit/s
95th percentile per-packet one-way delay: 58.236 ms
Loss rate: 3.14%
-- Flow 2:
Average throughput: 163.33 Mbit/s
95th percentile per-packet one-way delay: 58.730 ms
Loss rate: 8.57%
-- Flow 3:
Average throughput: 134.89 Mbit/s
95th percentile per-packet one-way delay: 58.334 ms
Loss rate: 18.57%

Run 7: Report of Indigo-calib — Data Link

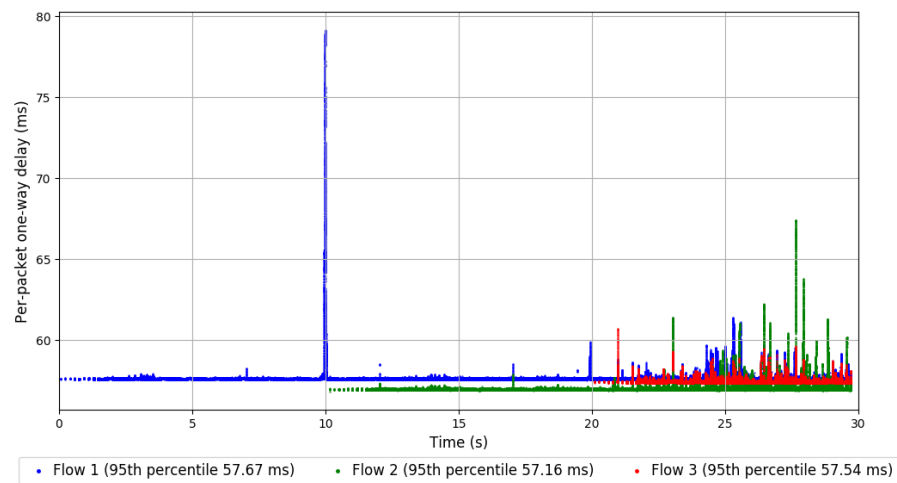
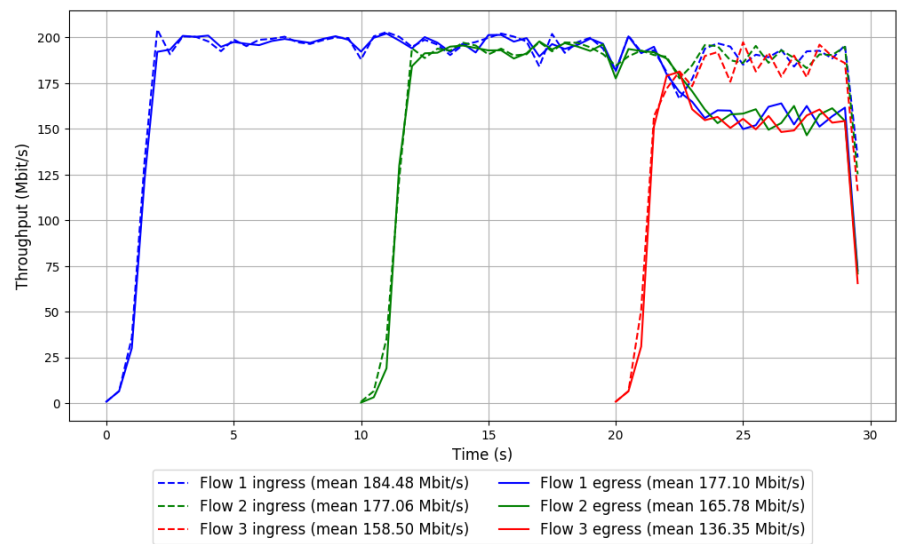


Run 8: Statistics of Indigo-calib

Start at: 2017-09-21 21:48:11
End at: 2017-09-21 21:48:41
Local clock offset: 0.049 ms
Remote clock offset: 22.966 ms

Below is generated by plot.py at 2017-09-22 03:11:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.66 Mbit/s
95th percentile per-packet one-way delay: 57.663 ms
Loss rate: 7.03%
-- Flow 1:
Average throughput: 177.10 Mbit/s
95th percentile per-packet one-way delay: 57.674 ms
Loss rate: 4.55%
-- Flow 2:
Average throughput: 165.78 Mbit/s
95th percentile per-packet one-way delay: 57.160 ms
Loss rate: 7.17%
-- Flow 3:
Average throughput: 136.35 Mbit/s
95th percentile per-packet one-way delay: 57.541 ms
Loss rate: 15.49%

Run 8: Report of Indigo-calib — Data Link

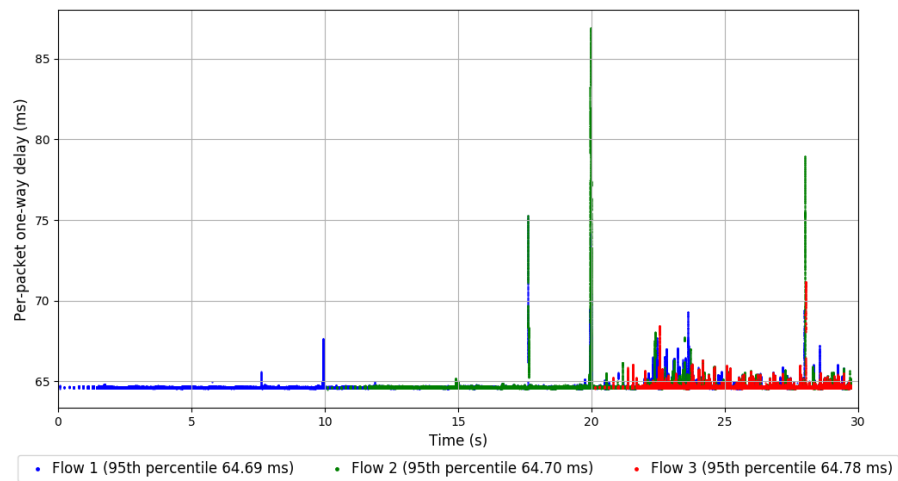
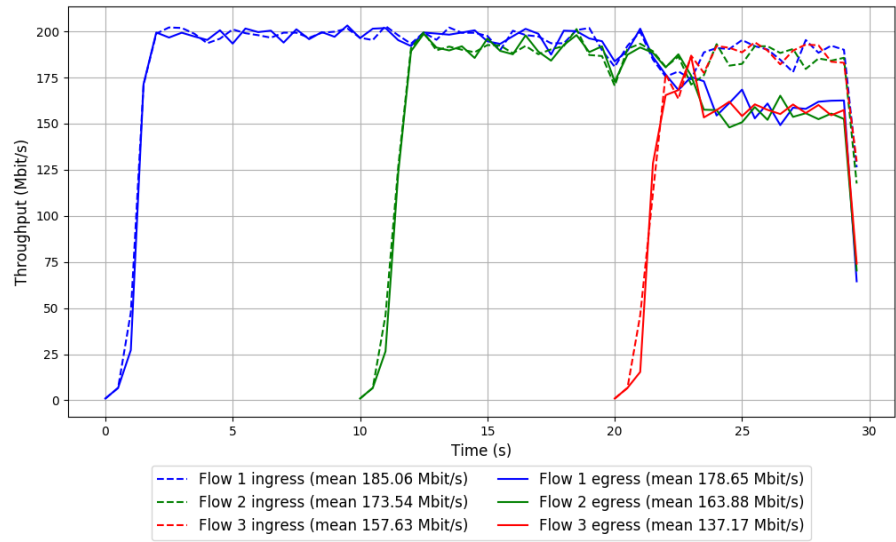


Run 9: Statistics of Indigo-calib

Start at: 2017-09-21 22:09:15
End at: 2017-09-21 22:09:45
Local clock offset: -0.039 ms
Remote clock offset: 15.345 ms

Below is generated by plot.py at 2017-09-22 03:11:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.50 Mbit/s
95th percentile per-packet one-way delay: 64.698 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 178.65 Mbit/s
95th percentile per-packet one-way delay: 64.685 ms
Loss rate: 4.01%
-- Flow 2:
Average throughput: 163.88 Mbit/s
95th percentile per-packet one-way delay: 64.701 ms
Loss rate: 6.38%
-- Flow 3:
Average throughput: 137.17 Mbit/s
95th percentile per-packet one-way delay: 64.781 ms
Loss rate: 14.48%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-09-21 22:30:29

End at: 2017-09-21 22:30:59

Local clock offset: 0.02 ms

Remote clock offset: 9.056 ms

Below is generated by plot.py at 2017-09-22 03:11:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 328.35 Mbit/s

95th percentile per-packet one-way delay: 70.567 ms

Loss rate: 5.90%

-- Flow 1:

Average throughput: 175.48 Mbit/s

95th percentile per-packet one-way delay: 70.312 ms

Loss rate: 4.24%

-- Flow 2:

Average throughput: 166.85 Mbit/s

95th percentile per-packet one-way delay: 70.579 ms

Loss rate: 5.43%

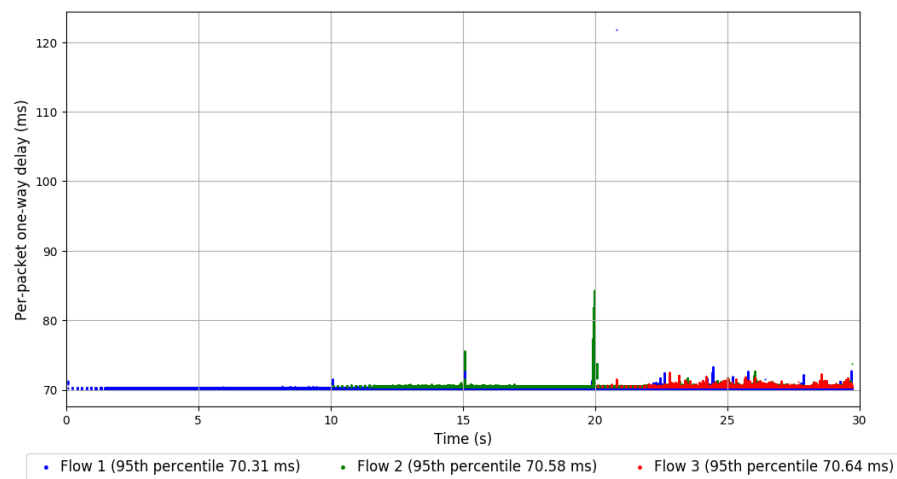
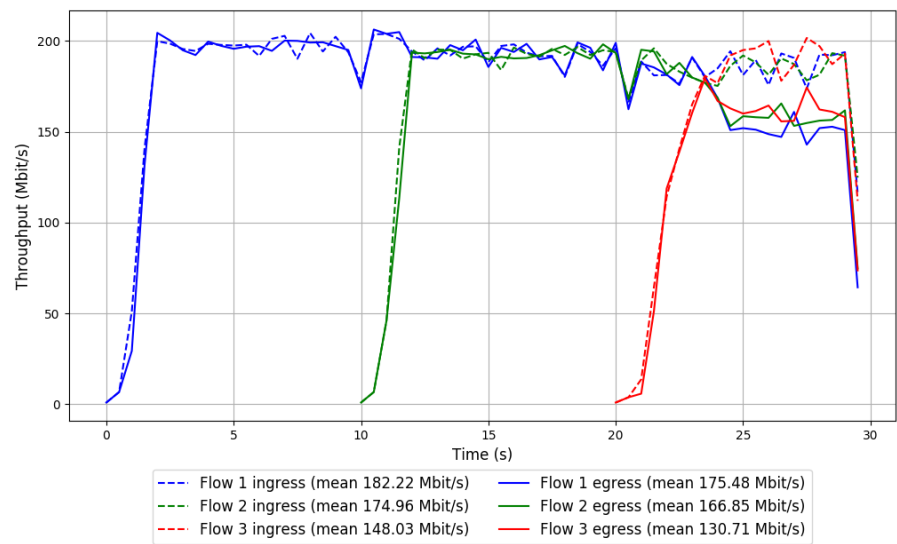
-- Flow 3:

Average throughput: 130.71 Mbit/s

95th percentile per-packet one-way delay: 70.635 ms

Loss rate: 13.22%

Run 10: Report of Indigo-calib — Data Link

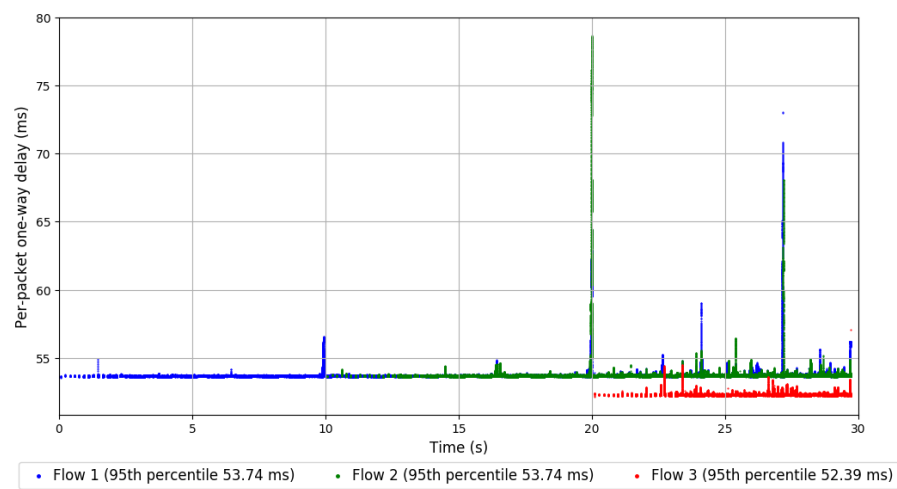
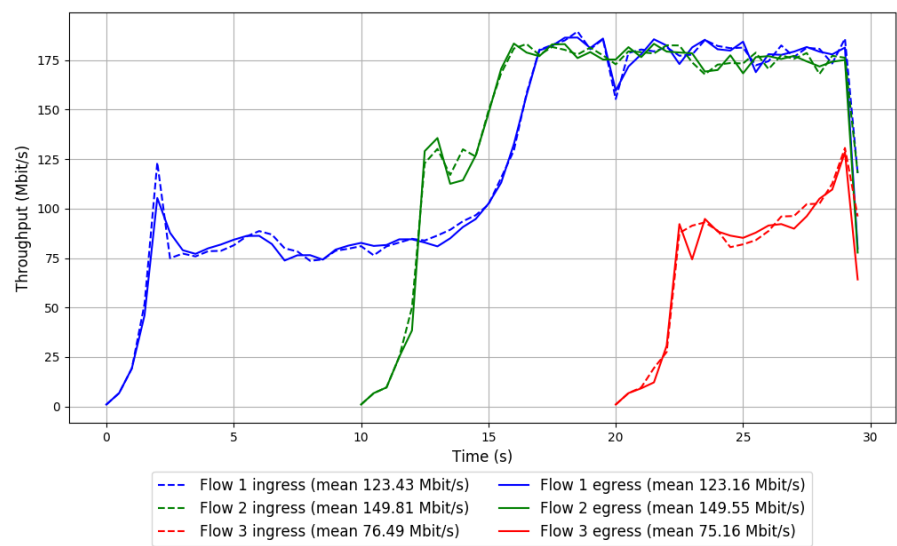


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 19:27:27
End at: 2017-09-21 19:27:57
Local clock offset: 0.194 ms
Remote clock offset: 28.272 ms

# Below is generated by plot.py at 2017-09-22 03:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 246.47 Mbit/s
95th percentile per-packet one-way delay: 53.740 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 123.16 Mbit/s
95th percentile per-packet one-way delay: 53.745 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 149.55 Mbit/s
95th percentile per-packet one-way delay: 53.744 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 75.16 Mbit/s
95th percentile per-packet one-way delay: 52.387 ms
Loss rate: 3.39%
```

Run 1: Report of Indigo-delay — Data Link

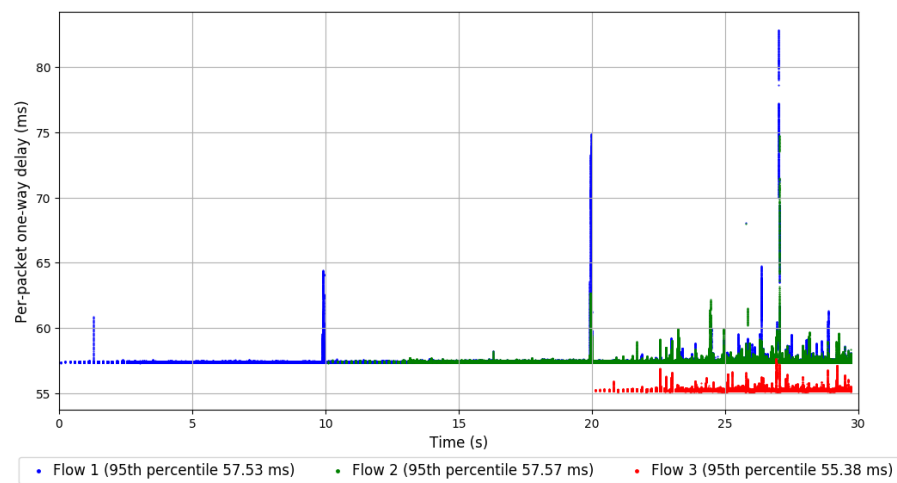
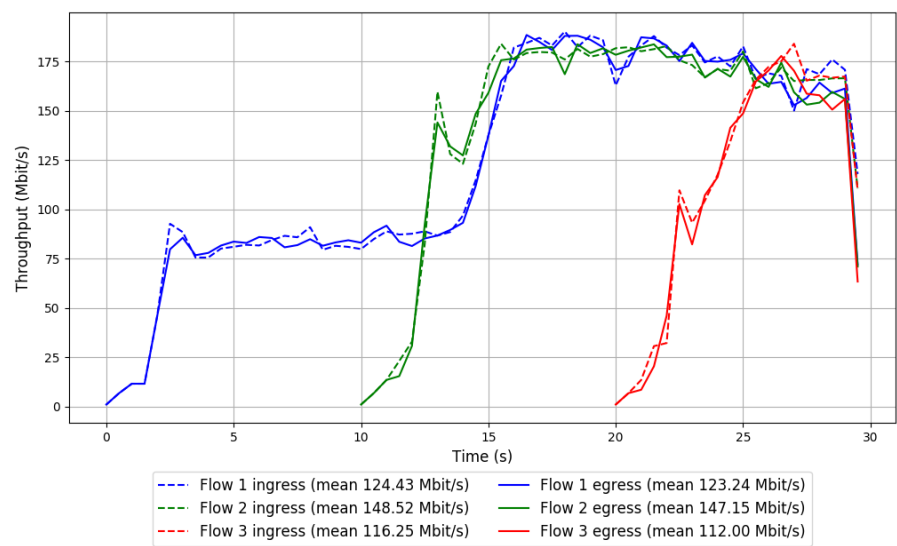


Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 19:47:57
End at: 2017-09-21 19:48:27
Local clock offset: 0.18 ms
Remote clock offset: 25.974 ms

Below is generated by plot.py at 2017-09-22 03:12:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 256.85 Mbit/s
95th percentile per-packet one-way delay: 57.521 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 123.24 Mbit/s
95th percentile per-packet one-way delay: 57.531 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 147.15 Mbit/s
95th percentile per-packet one-way delay: 57.567 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 112.00 Mbit/s
95th percentile per-packet one-way delay: 55.384 ms
Loss rate: 5.32%

Run 2: Report of Indigo-delay — Data Link

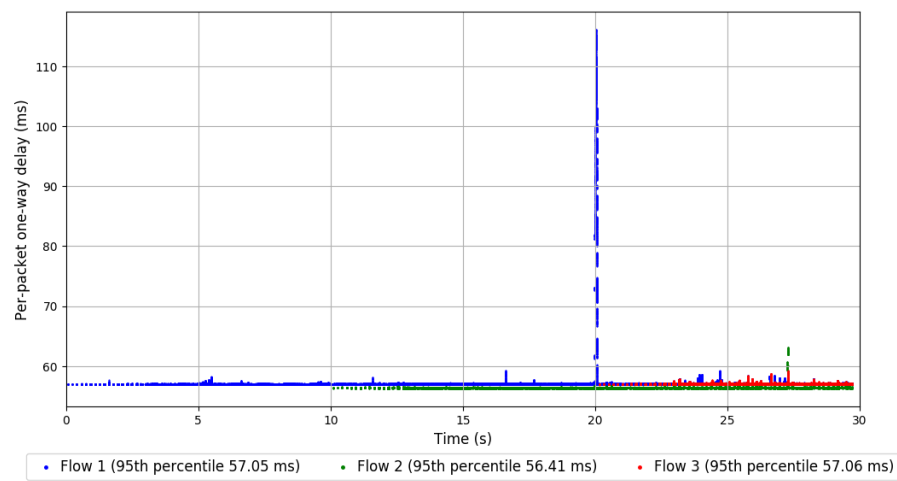
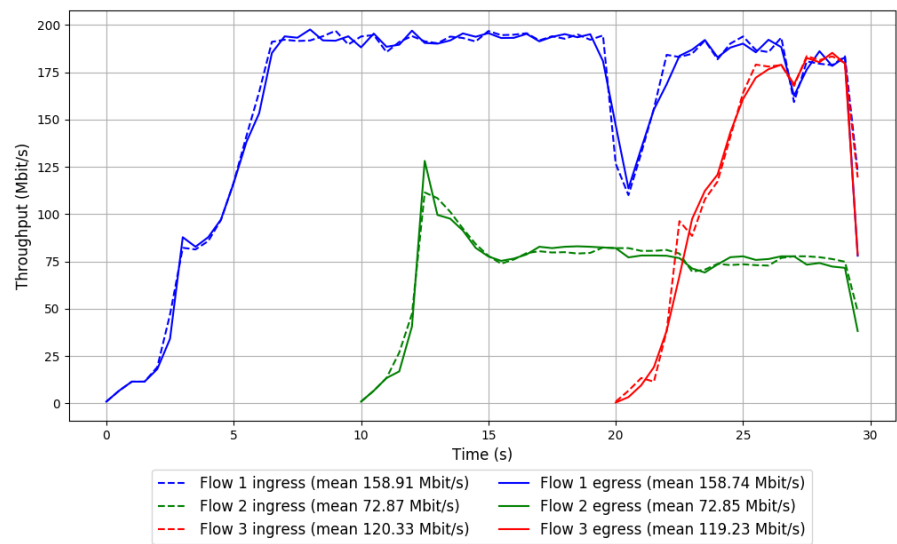


Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 20:08:22
End at: 2017-09-21 20:08:52
Local clock offset: 0.094 ms
Remote clock offset: 24.858 ms

Below is generated by plot.py at 2017-09-22 03:12:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.30 Mbit/s
95th percentile per-packet one-way delay: 57.042 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 158.74 Mbit/s
95th percentile per-packet one-way delay: 57.046 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 72.85 Mbit/s
95th percentile per-packet one-way delay: 56.411 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 119.23 Mbit/s
95th percentile per-packet one-way delay: 57.060 ms
Loss rate: 2.63%

Run 3: Report of Indigo-delay — Data Link

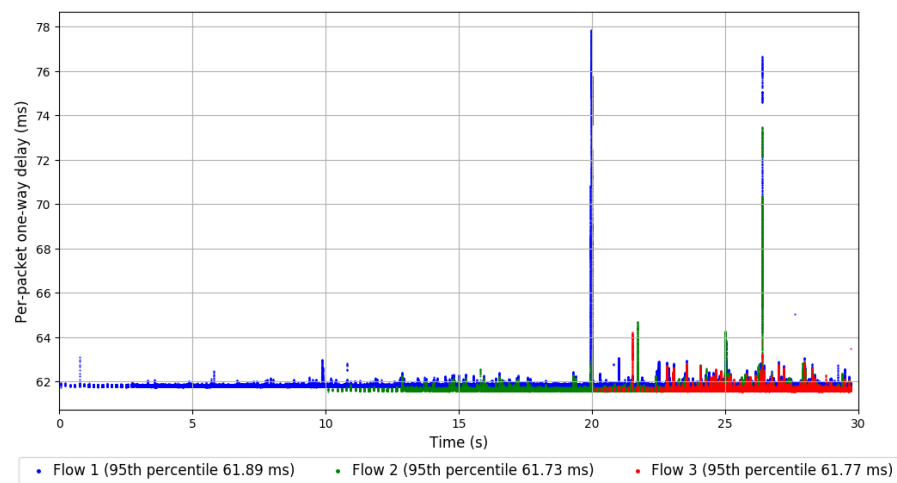
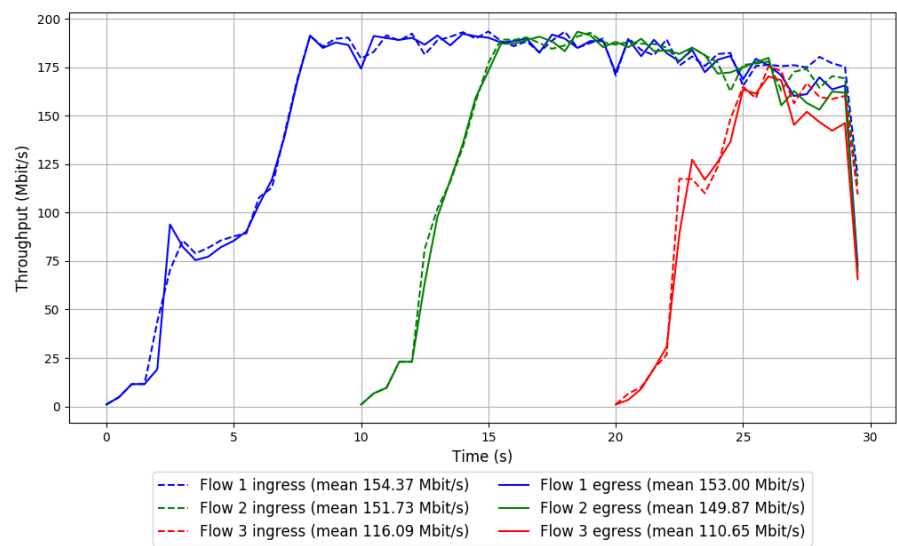


Run 4: Statistics of Indigo-delay

Start at: 2017-09-21 20:28:52
End at: 2017-09-21 20:29:22
Local clock offset: 0.101 ms
Remote clock offset: 19.354 ms

Below is generated by plot.py at 2017-09-22 03:13:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.90 Mbit/s
95th percentile per-packet one-way delay: 61.876 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 153.00 Mbit/s
95th percentile per-packet one-way delay: 61.890 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 149.87 Mbit/s
95th percentile per-packet one-way delay: 61.726 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 110.65 Mbit/s
95th percentile per-packet one-way delay: 61.772 ms
Loss rate: 6.29%

Run 4: Report of Indigo-delay — Data Link

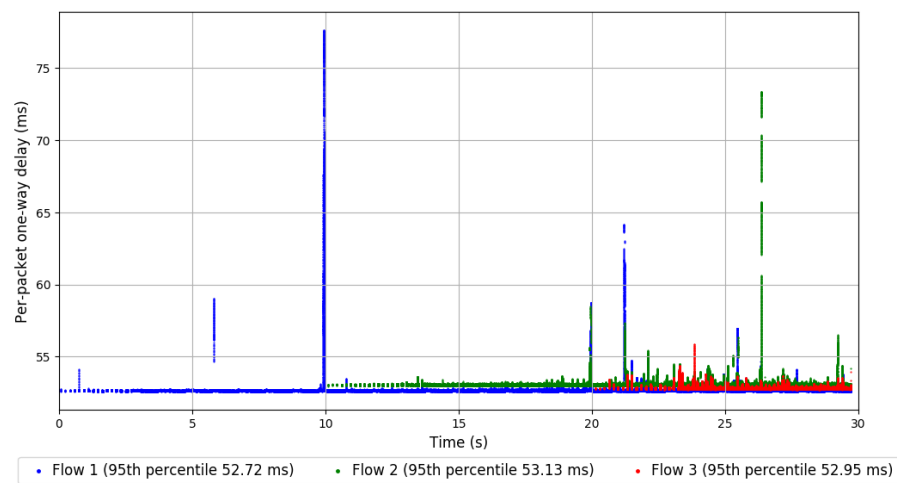
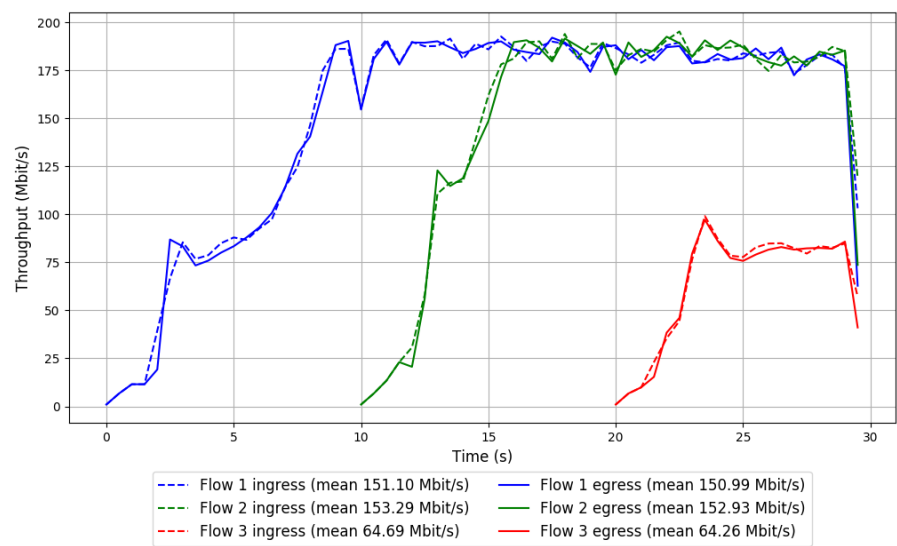


Run 5: Statistics of Indigo-delay

Start at: 2017-09-21 20:49:32
End at: 2017-09-21 20:50:02
Local clock offset: 0.052 ms
Remote clock offset: 28.496 ms

Below is generated by plot.py at 2017-09-22 03:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.95 Mbit/s
95th percentile per-packet one-way delay: 53.093 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 150.99 Mbit/s
95th percentile per-packet one-way delay: 52.715 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 152.93 Mbit/s
95th percentile per-packet one-way delay: 53.127 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 52.951 ms
Loss rate: 2.36%

Run 5: Report of Indigo-delay — Data Link

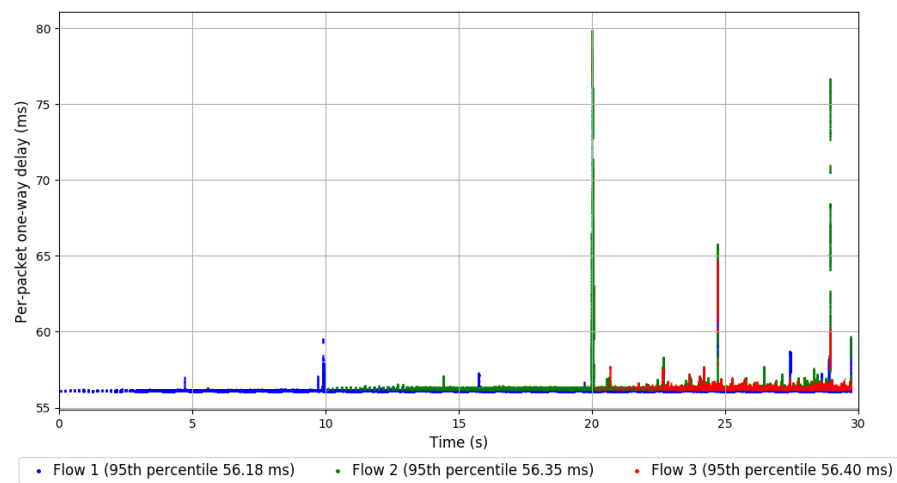
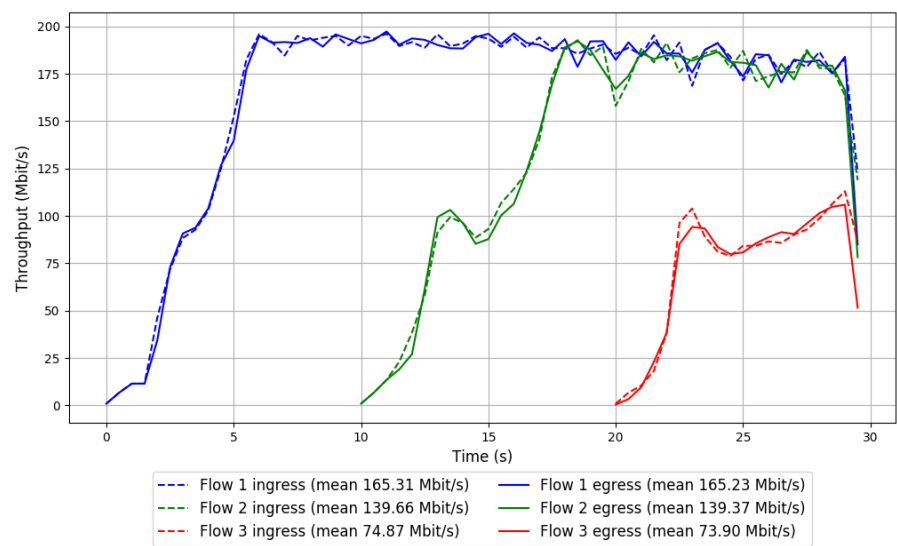


Run 6: Statistics of Indigo-delay

Start at: 2017-09-21 21:10:19
End at: 2017-09-21 21:10:49
Local clock offset: 0.096 ms
Remote clock offset: 24.834 ms

Below is generated by plot.py at 2017-09-22 03:14:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.22 Mbit/s
95th percentile per-packet one-way delay: 56.314 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 165.23 Mbit/s
95th percentile per-packet one-way delay: 56.179 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 139.37 Mbit/s
95th percentile per-packet one-way delay: 56.346 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 73.90 Mbit/s
95th percentile per-packet one-way delay: 56.395 ms
Loss rate: 3.09%

Run 6: Report of Indigo-delay — Data Link

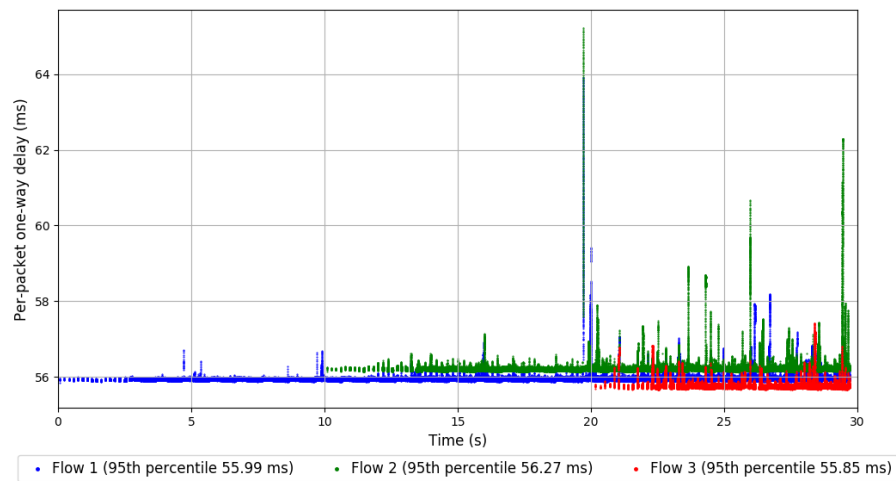
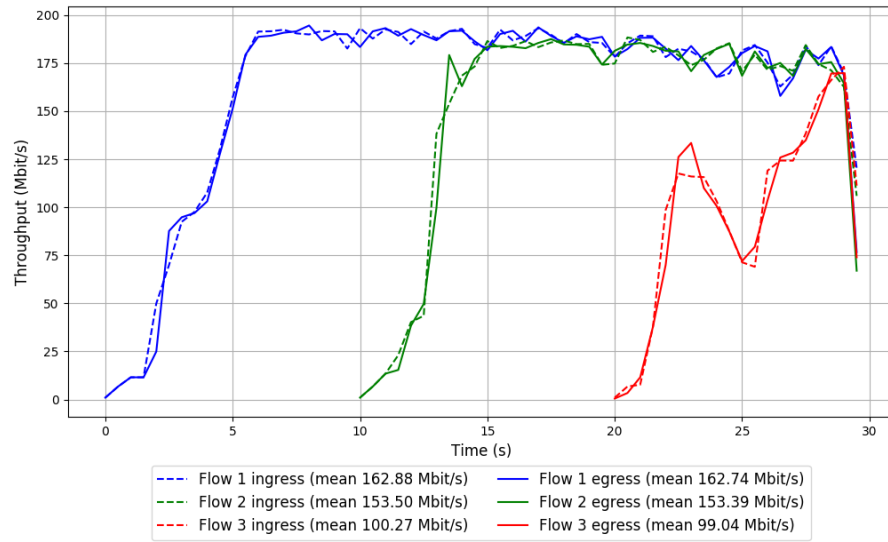


Run 7: Statistics of Indigo-delay

Start at: 2017-09-21 21:30:53
End at: 2017-09-21 21:31:23
Local clock offset: 0.069 ms
Remote clock offset: 24.848 ms

Below is generated by plot.py at 2017-09-22 03:14:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.10 Mbit/s
95th percentile per-packet one-way delay: 56.245 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 162.74 Mbit/s
95th percentile per-packet one-way delay: 55.995 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 153.39 Mbit/s
95th percentile per-packet one-way delay: 56.272 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 99.04 Mbit/s
95th percentile per-packet one-way delay: 55.846 ms
Loss rate: 2.93%

Run 7: Report of Indigo-delay — Data Link

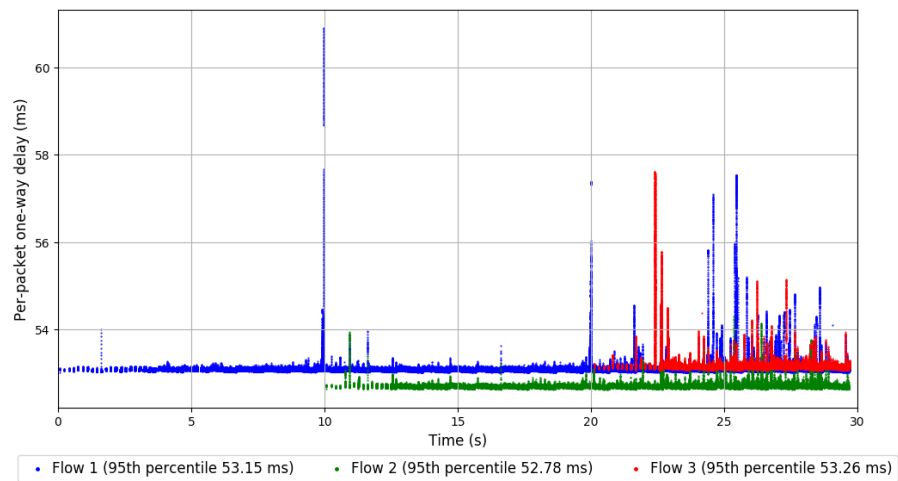
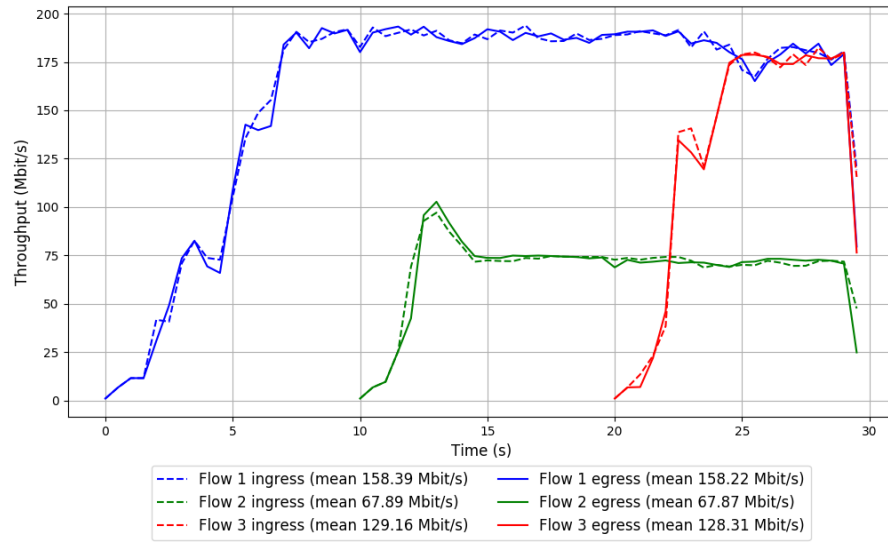


Run 8: Statistics of Indigo-delay

Start at: 2017-09-21 21:51:26
End at: 2017-09-21 21:51:56
Local clock offset: -0.027 ms
Remote clock offset: 27.074 ms

Below is generated by plot.py at 2017-09-22 03:14:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.48 Mbit/s
95th percentile per-packet one-way delay: 53.185 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 158.22 Mbit/s
95th percentile per-packet one-way delay: 53.148 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 67.87 Mbit/s
95th percentile per-packet one-way delay: 52.776 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 128.31 Mbit/s
95th percentile per-packet one-way delay: 53.263 ms
Loss rate: 2.37%

Run 8: Report of Indigo-delay — Data Link

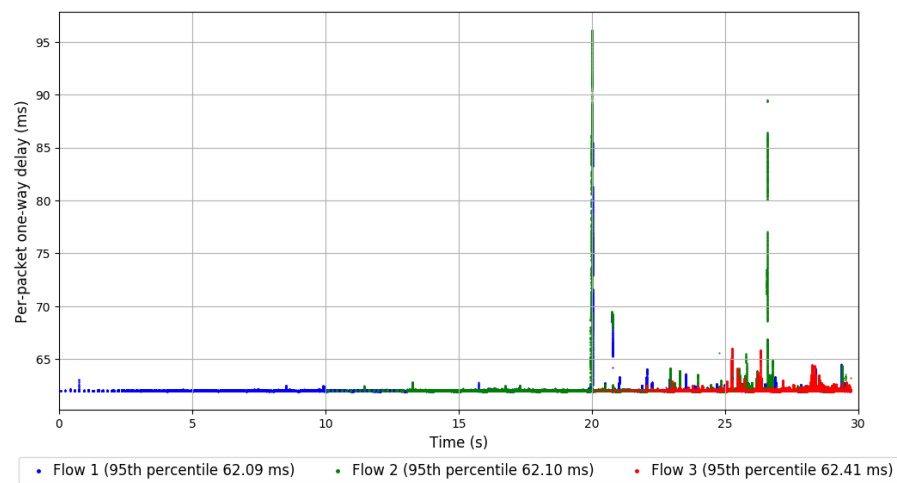
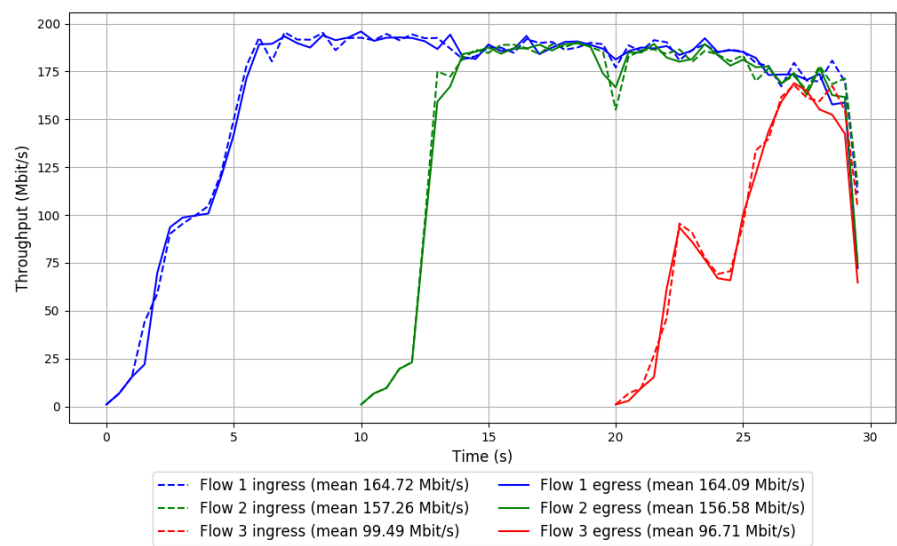


Run 9: Statistics of Indigo-delay

Start at: 2017-09-21 22:12:47
End at: 2017-09-21 22:13:17
Local clock offset: 0.004 ms
Remote clock offset: 17.623 ms

Below is generated by plot.py at 2017-09-22 03:14:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.92 Mbit/s
95th percentile per-packet one-way delay: 62.102 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 164.09 Mbit/s
95th percentile per-packet one-way delay: 62.089 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 156.58 Mbit/s
95th percentile per-packet one-way delay: 62.104 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 62.410 ms
Loss rate: 4.46%

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-21 22:33:35
End at: 2017-09-21 22:34:05
Local clock offset: 0.01 ms
Remote clock offset: 27.642 ms

Below is generated by plot.py at 2017-09-22 03:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.87 Mbit/s
95th percentile per-packet one-way delay: 51.912 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 165.47 Mbit/s
95th percentile per-packet one-way delay: 51.919 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 148.93 Mbit/s
95th percentile per-packet one-way delay: 51.677 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 70.65 Mbit/s
95th percentile per-packet one-way delay: 51.719 ms
Loss rate: 3.59%

Run 10: Report of Indigo-delay — Data Link

