

Pantheon Report

Generated at 2018-01-26 18:08:05 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.

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

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

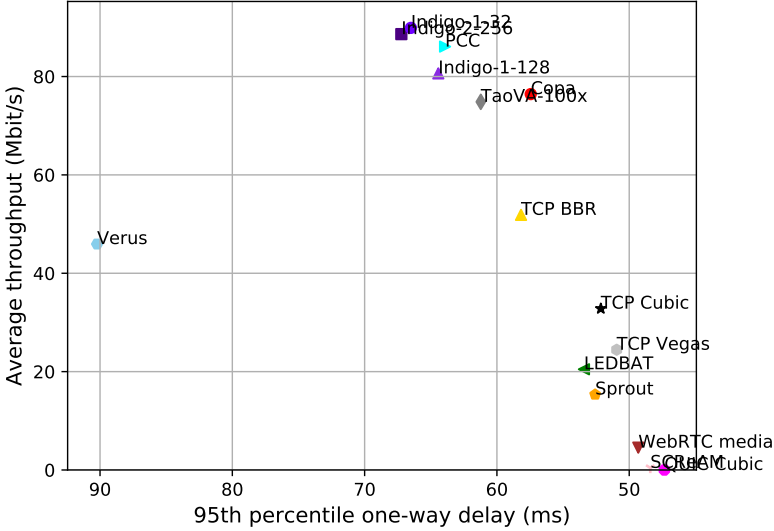
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

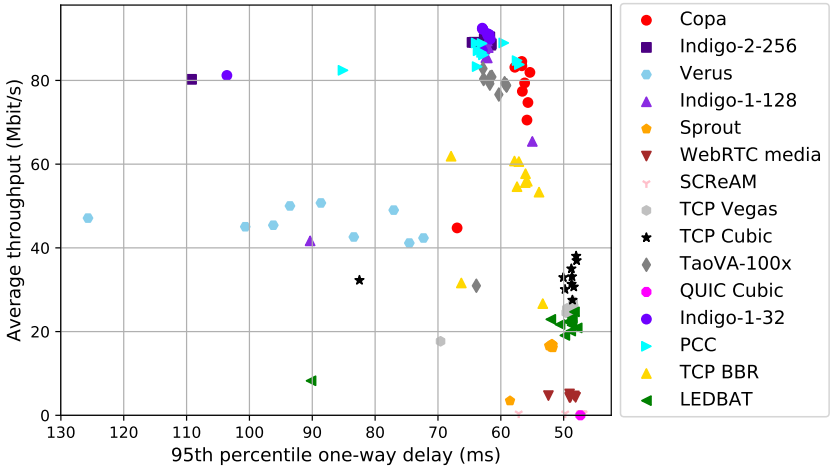
Git summary:

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

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



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



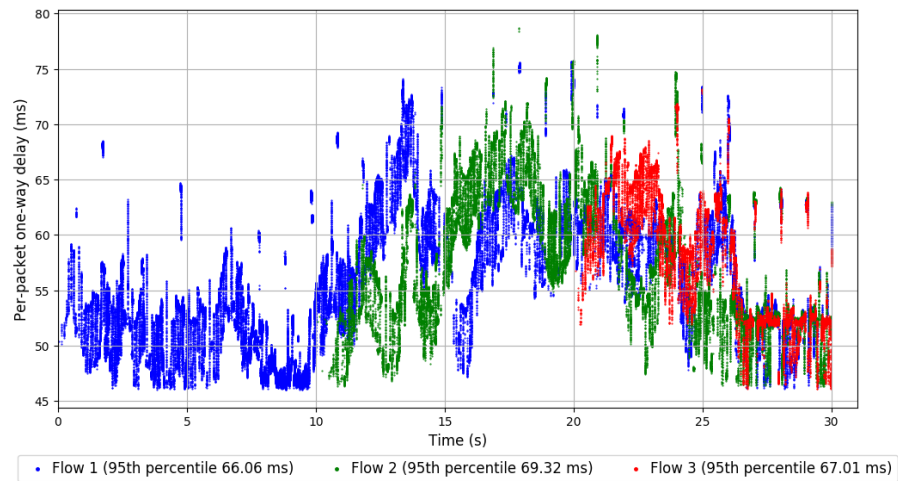
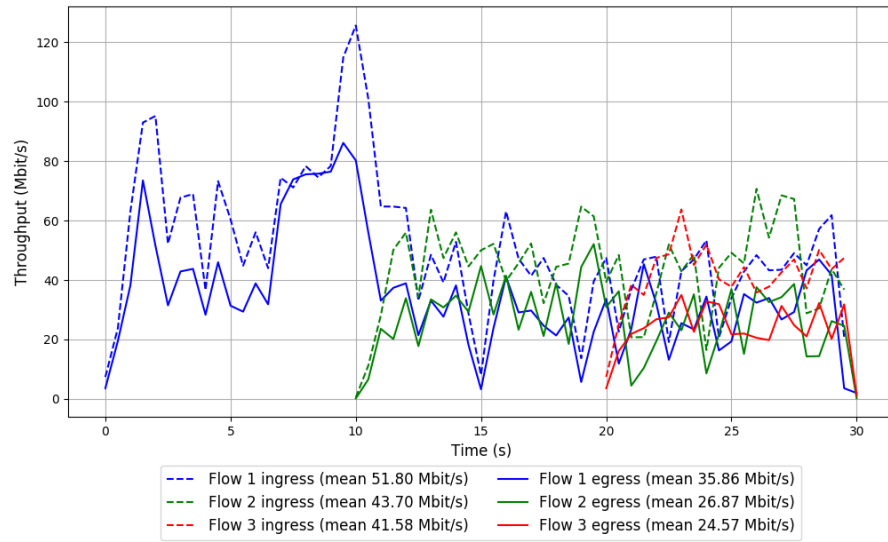
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	29.58	23.39	21.43	57.08	59.83	58.83	36.11	34.52	32.24
TCP Cubic	10	15.76	17.97	15.32	51.94	52.29	51.60	0.48	0.51	0.88
LEDBAT	10	11.21	9.76	8.42	51.82	54.05	48.82	0.49	0.53	0.55
PCC	10	78.12	8.85	6.30	63.72	64.26	64.51	1.20	1.29	1.68
QUIC Cubic	1	0.14	0.14	0.01	47.47	46.97	47.34	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	48.38	48.53	48.11	0.00	0.00	0.00
WebRTC media	6	2.32	1.70	0.55	49.06	49.71	49.10	0.03	0.01	0.05
Sprout	10	7.87	7.65	7.27	52.05	52.14	53.65	2.46	2.66	3.33
TaoVA-100x	10	57.14	22.80	11.03	60.36	61.73	60.90	5.15	9.77	14.85
TCP Vegas	10	11.97	12.20	13.12	50.69	51.14	50.29	0.46	0.70	0.89
Verus	9	29.03	22.15	7.84	81.41	85.75	70.26	67.17	73.04	53.18
Copa	10	49.91	32.18	20.64	56.35	58.37	59.13	0.31	0.49	0.64
Indigo-2-256	10	54.68	35.48	32.46	65.16	68.11	68.32	11.36	22.07	30.20
Indigo-1-32	10	56.64	32.16	37.29	65.58	66.14	67.48	20.98	37.30	46.09
Indigo-1-128	10	49.78	30.25	34.08	62.72	65.65	62.00	16.50	27.15	43.23

Run 1: Statistics of TCP BBR

Start at: 2018-01-26 14:12:10
End at: 2018-01-26 14:12:40
Local clock offset: 2.718 ms
Remote clock offset: -4.286 ms

Below is generated by plot.py at 2018-01-26 17:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.90 Mbit/s
95th percentile per-packet one-way delay: 67.915 ms
Loss rate: 34.60%
-- Flow 1:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 66.056 ms
Loss rate: 30.75%
-- Flow 2:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 69.316 ms
Loss rate: 38.48%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 67.012 ms
Loss rate: 40.90%

Run 1: Report of TCP BBR — Data Link

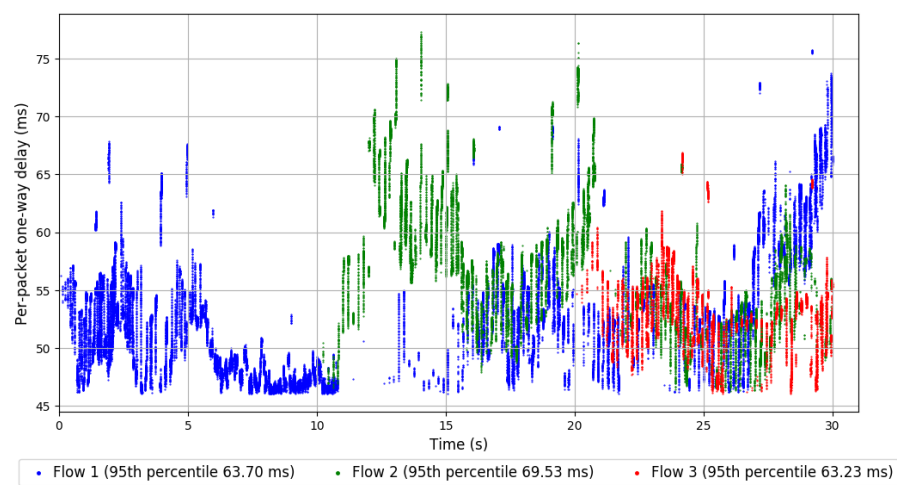
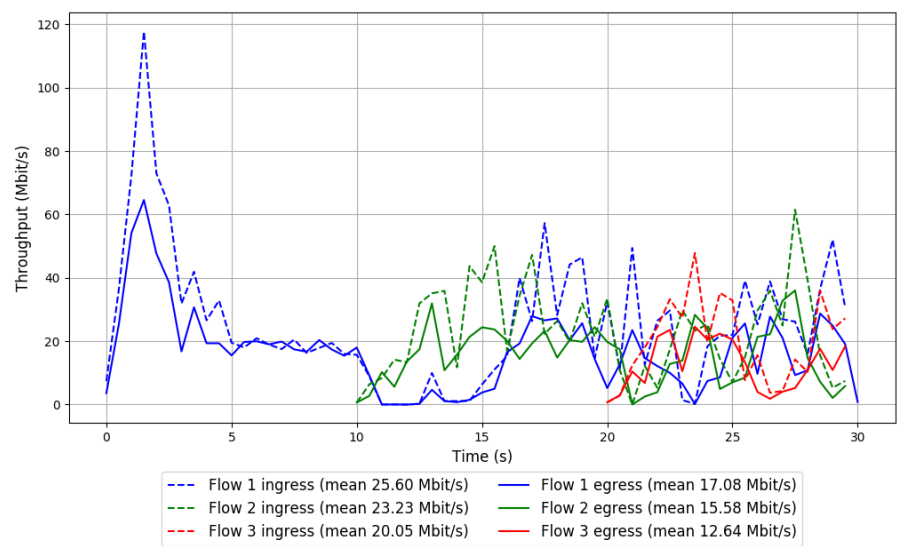


Run 2: Statistics of TCP BBR

Start at: 2018-01-26 14:32:54
End at: 2018-01-26 14:33:24
Local clock offset: 3.273 ms
Remote clock offset: -4.193 ms

Below is generated by plot.py at 2018-01-26 17:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 66.282 ms
Loss rate: 33.66%
-- Flow 1:
Average throughput: 17.08 Mbit/s
95th percentile per-packet one-way delay: 63.700 ms
Loss rate: 33.24%
-- Flow 2:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 69.530 ms
Loss rate: 32.93%
-- Flow 3:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 63.230 ms
Loss rate: 36.97%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-26 14:53:34

End at: 2018-01-26 14:54:04

Local clock offset: 3.474 ms

Remote clock offset: -4.23 ms

Below is generated by plot.py at 2018-01-26 17:53:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.75 Mbit/s

95th percentile per-packet one-way delay: 57.828 ms

Loss rate: 33.40%

-- Flow 1:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: 55.786 ms

Loss rate: 34.32%

-- Flow 2:

Average throughput: 26.14 Mbit/s

95th percentile per-packet one-way delay: 61.182 ms

Loss rate: 30.90%

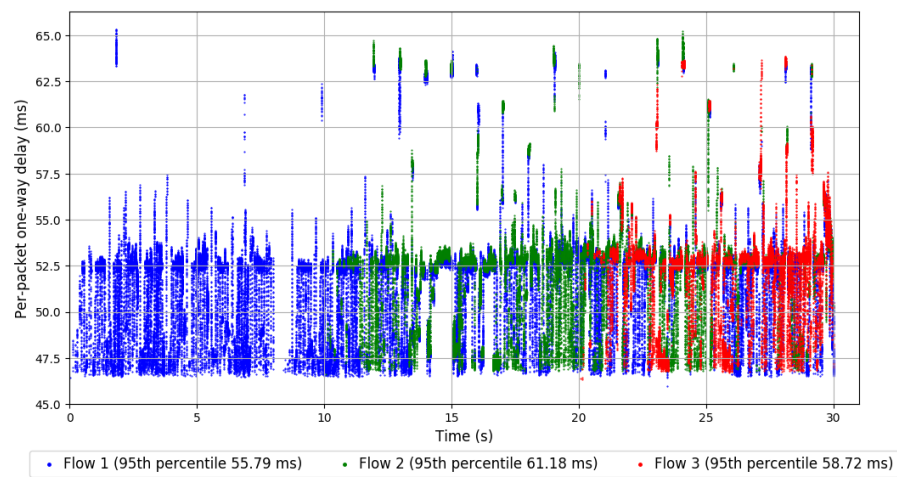
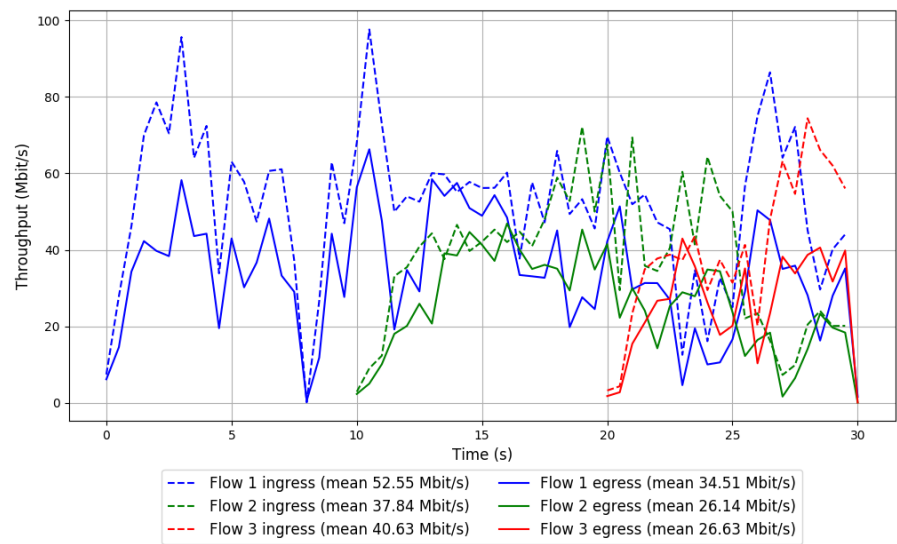
-- Flow 3:

Average throughput: 26.63 Mbit/s

95th percentile per-packet one-way delay: 58.723 ms

Loss rate: 34.44%

Run 3: Report of TCP BBR — Data Link

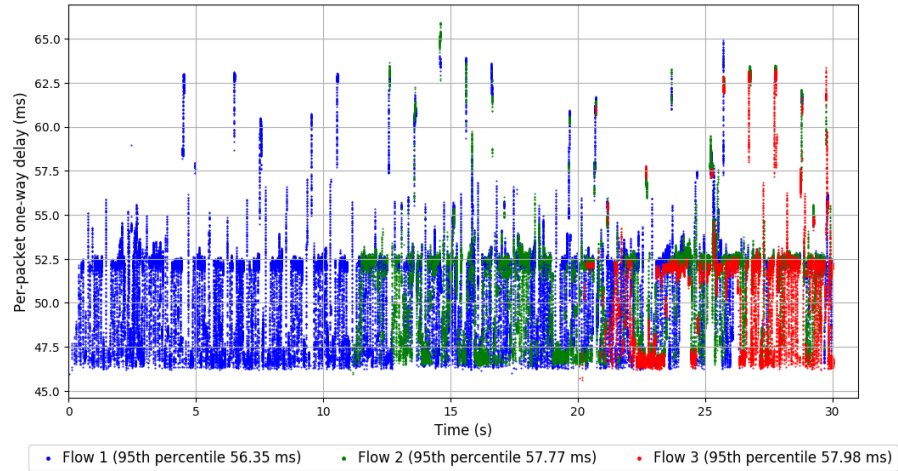
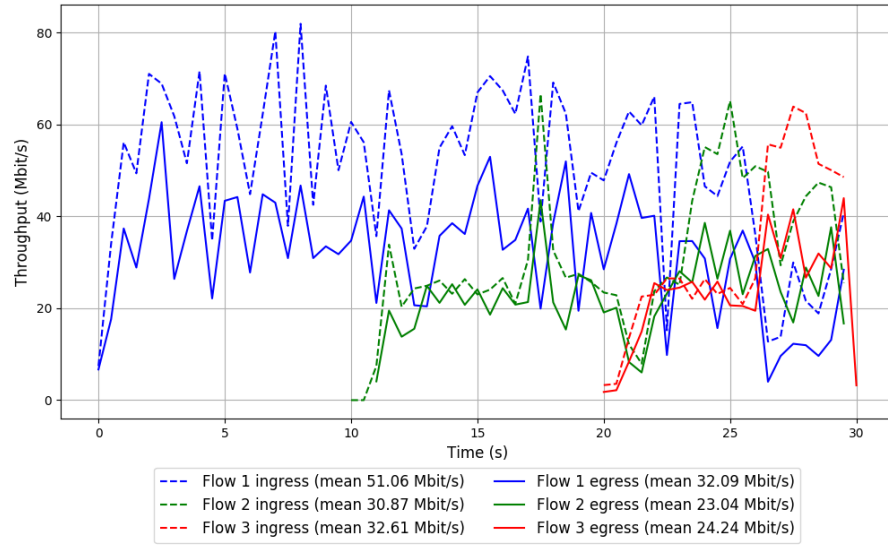


Run 4: Statistics of TCP BBR

Start at: 2018-01-26 15:18:58
End at: 2018-01-26 15:19:28
Local clock offset: 3.847 ms
Remote clock offset: -3.971 ms

Below is generated by plot.py at 2018-01-26 17:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.63 Mbit/s
95th percentile per-packet one-way delay: 57.422 ms
Loss rate: 33.64%
-- Flow 1:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 56.347 ms
Loss rate: 37.14%
-- Flow 2:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 57.774 ms
Loss rate: 29.13%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 57.982 ms
Loss rate: 25.68%

Run 4: Report of TCP BBR — Data Link

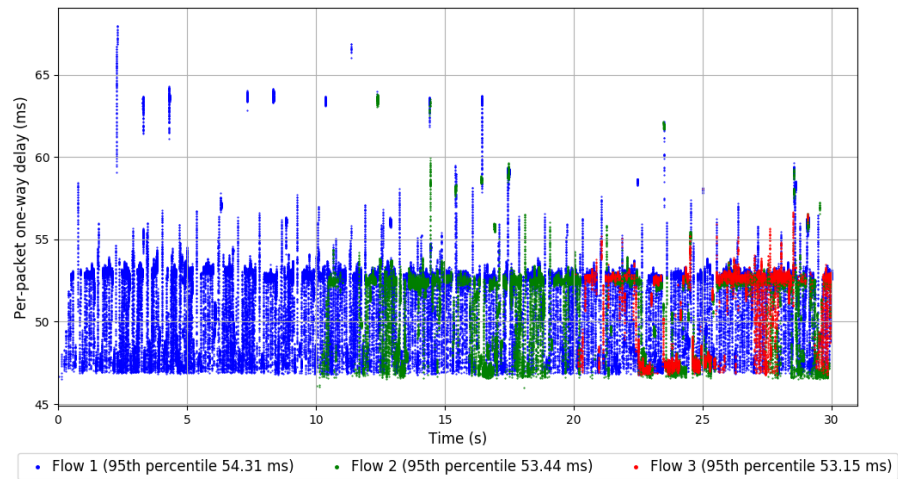
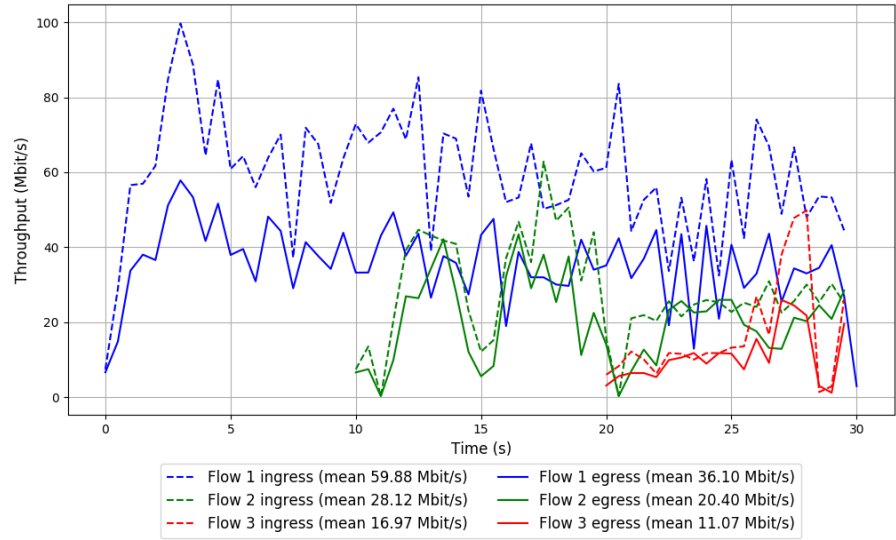


Run 5: Statistics of TCP BBR

Start at: 2018-01-26 15:38:50
End at: 2018-01-26 15:39:20
Local clock offset: 2.99 ms
Remote clock offset: -3.864 ms

Below is generated by plot.py at 2018-01-26 17:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 53.919 ms
Loss rate: 36.64%
-- Flow 1:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 54.308 ms
Loss rate: 39.70%
-- Flow 2:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 53.437 ms
Loss rate: 27.42%
-- Flow 3:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 53.153 ms
Loss rate: 34.76%

Run 5: Report of TCP BBR — Data Link

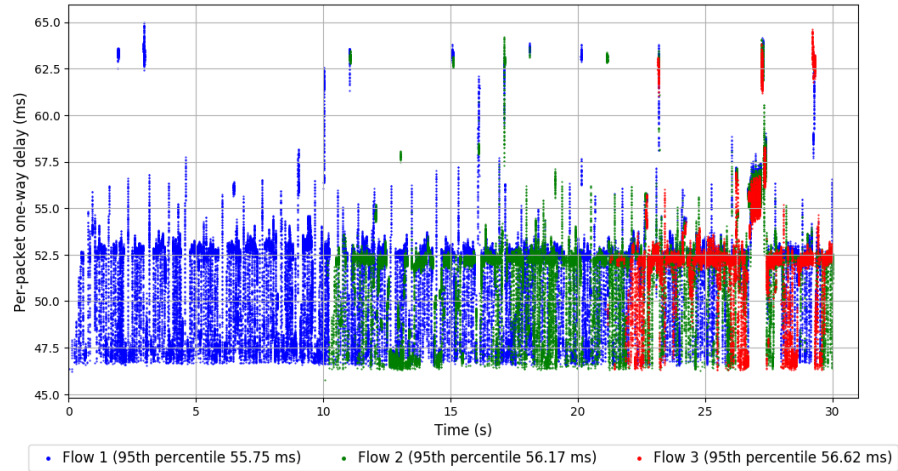
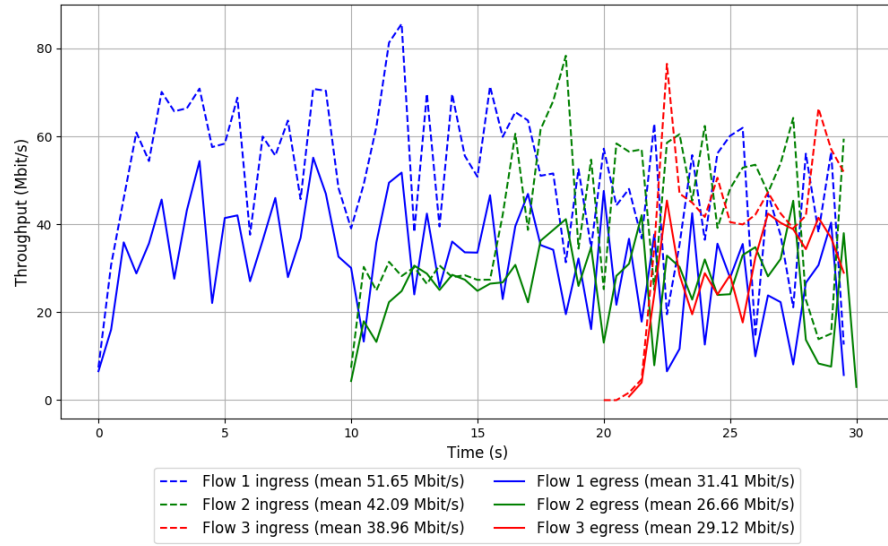


Run 6: Statistics of TCP BBR

Start at: 2018-01-26 15:58:48
End at: 2018-01-26 15:59:18
Local clock offset: 2.598 ms
Remote clock offset: -4.047 ms

Below is generated by plot.py at 2018-01-26 17:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.73 Mbit/s
95th percentile per-packet one-way delay: 56.069 ms
Loss rate: 37.53%
-- Flow 1:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 55.751 ms
Loss rate: 39.16%
-- Flow 2:
Average throughput: 26.66 Mbit/s
95th percentile per-packet one-way delay: 56.175 ms
Loss rate: 36.64%
-- Flow 3:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 56.620 ms
Loss rate: 32.89%

Run 6: Report of TCP BBR — Data Link

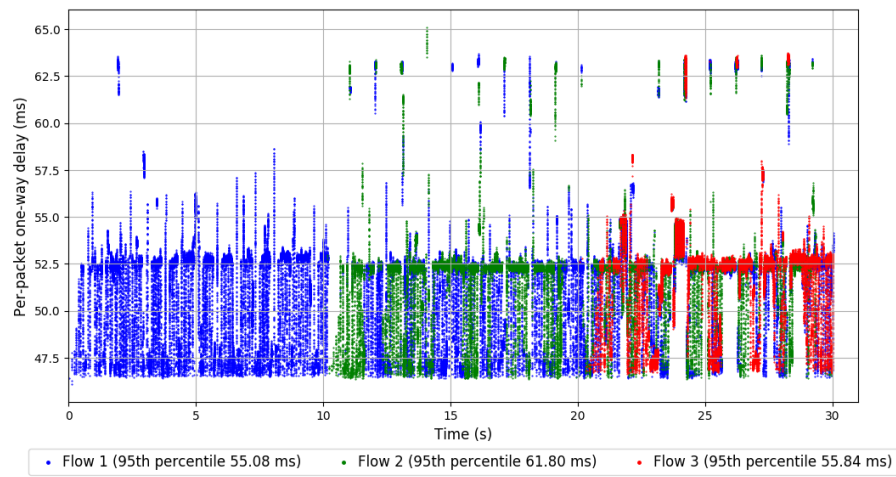
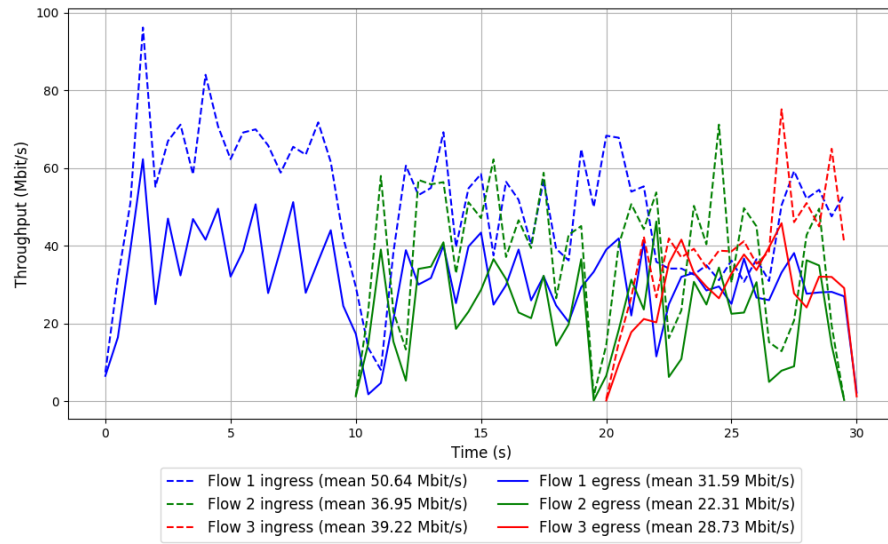


Run 7: Statistics of TCP BBR

Start at: 2018-01-26 16:18:47
End at: 2018-01-26 16:19:17
Local clock offset: 2.27 ms
Remote clock offset: -4.615 ms

Below is generated by plot.py at 2018-01-26 17:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 55.787 ms
Loss rate: 36.57%
-- Flow 1:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 55.078 ms
Loss rate: 37.61%
-- Flow 2:
Average throughput: 22.31 Mbit/s
95th percentile per-packet one-way delay: 61.800 ms
Loss rate: 39.62%
-- Flow 3:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 55.844 ms
Loss rate: 26.74%

Run 7: Report of TCP BBR — Data Link

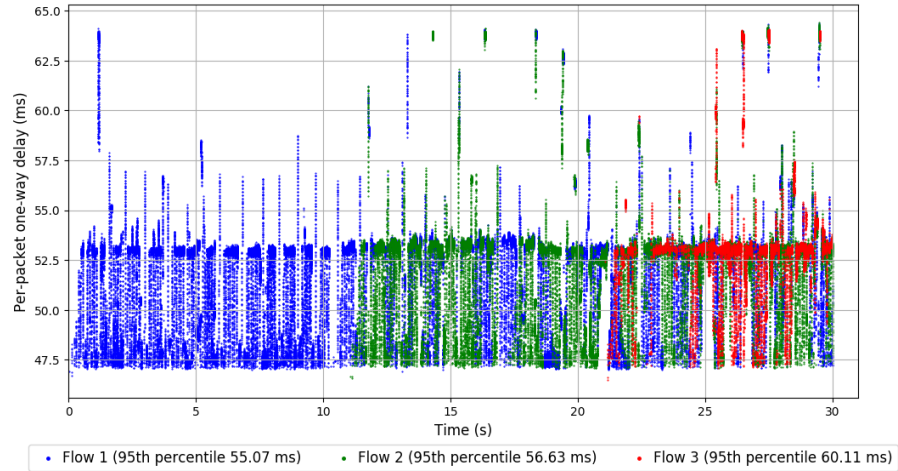
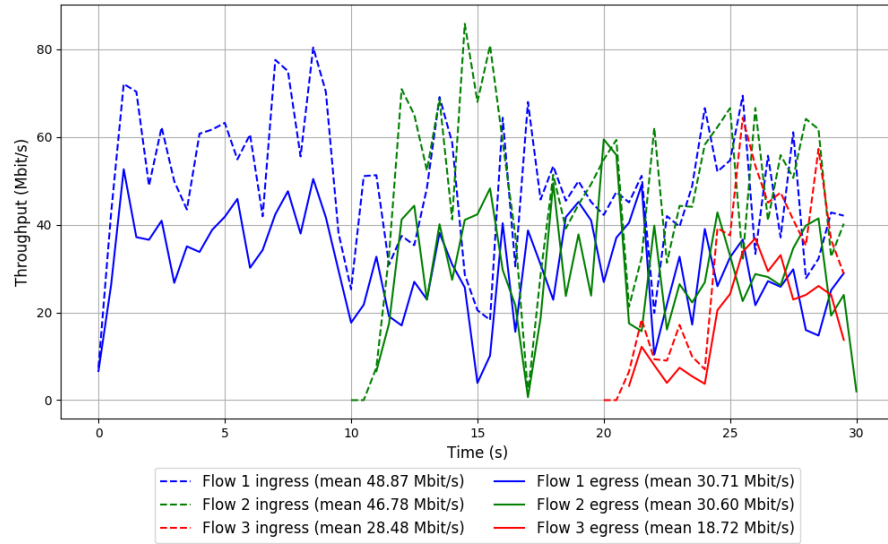


Run 8: Statistics of TCP BBR

Start at: 2018-01-26 16:38:38
End at: 2018-01-26 16:39:08
Local clock offset: 1.744 ms
Remote clock offset: -5.126 ms

Below is generated by plot.py at 2018-01-26 17:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.60 Mbit/s
95th percentile per-packet one-way delay: 56.103 ms
Loss rate: 37.80%
-- Flow 1:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 55.070 ms
Loss rate: 37.15%
-- Flow 2:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 56.634 ms
Loss rate: 37.85%
-- Flow 3:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 60.109 ms
Loss rate: 40.99%

Run 8: Report of TCP BBR — Data Link

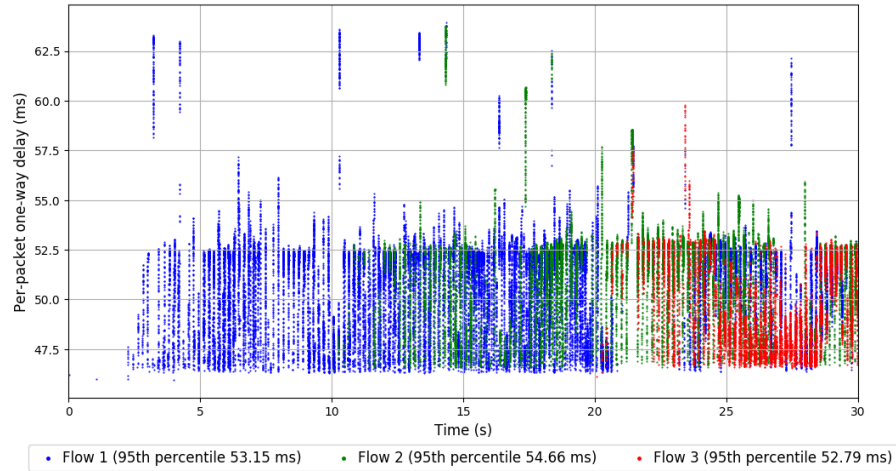
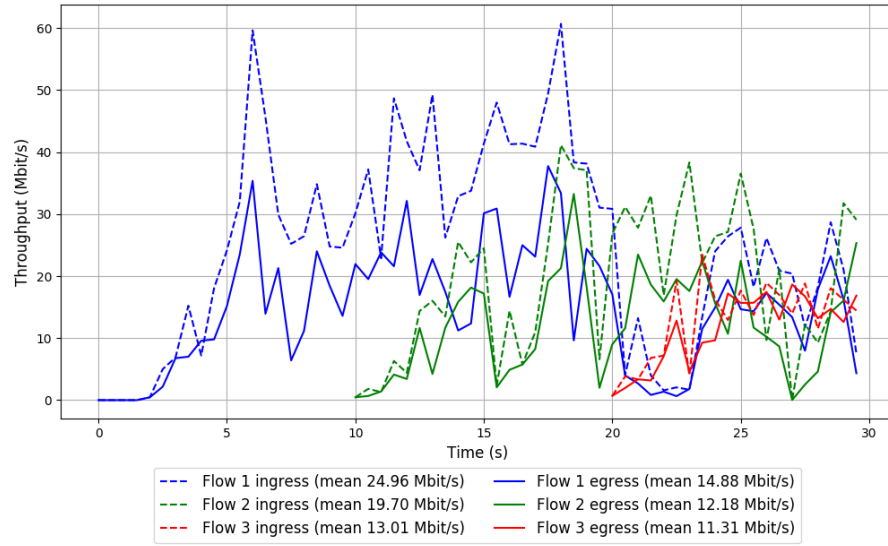


Run 9: Statistics of TCP BBR

Start at: 2018-01-26 16:58:31
End at: 2018-01-26 16:59:01
Local clock offset: 1.853 ms
Remote clock offset: -5.576 ms

Below is generated by plot.py at 2018-01-26 17:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 53.326 ms
Loss rate: 36.90%
-- Flow 1:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 53.150 ms
Loss rate: 40.37%
-- Flow 2:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 54.657 ms
Loss rate: 38.15%
-- Flow 3:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 52.791 ms
Loss rate: 13.04%

Run 9: Report of TCP BBR — Data Link

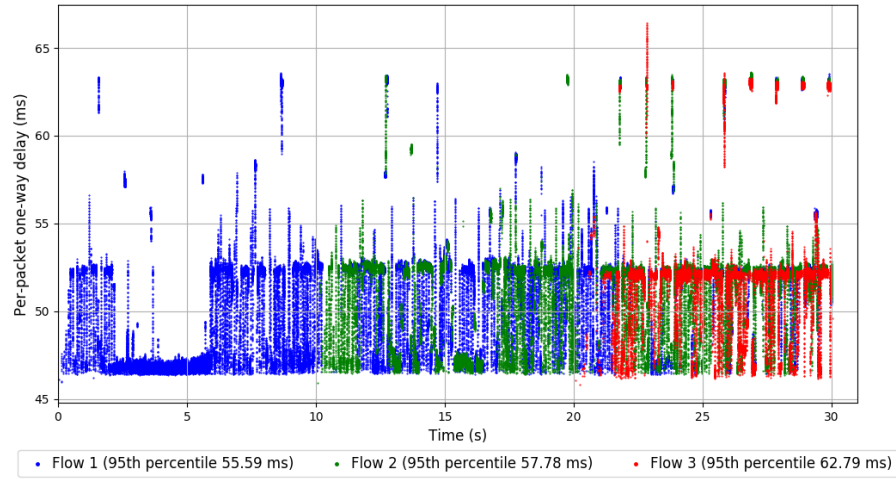
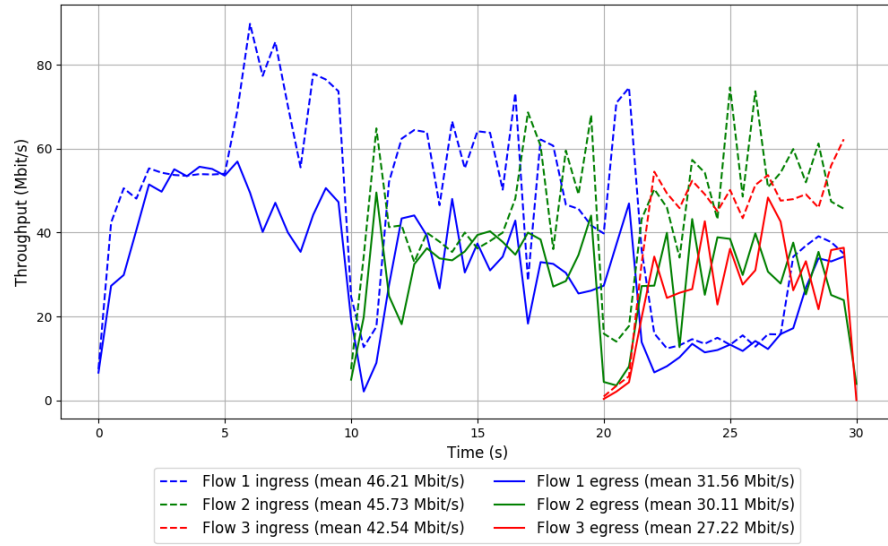


Run 10: Statistics of TCP BBR

Start at: 2018-01-26 17:18:41
End at: 2018-01-26 17:19:11
Local clock offset: 1.633 ms
Remote clock offset: -6.051 ms

Below is generated by plot.py at 2018-01-26 17:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 57.129 ms
Loss rate: 33.18%
-- Flow 1:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 55.592 ms
Loss rate: 31.69%
-- Flow 2:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 57.784 ms
Loss rate: 34.13%
-- Flow 3:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 62.788 ms
Loss rate: 36.00%

Run 10: Report of TCP BBR — Data Link

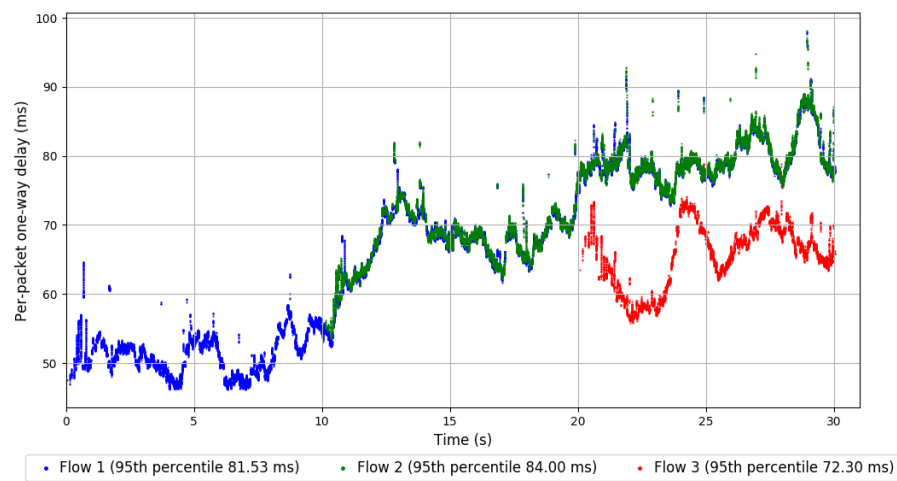
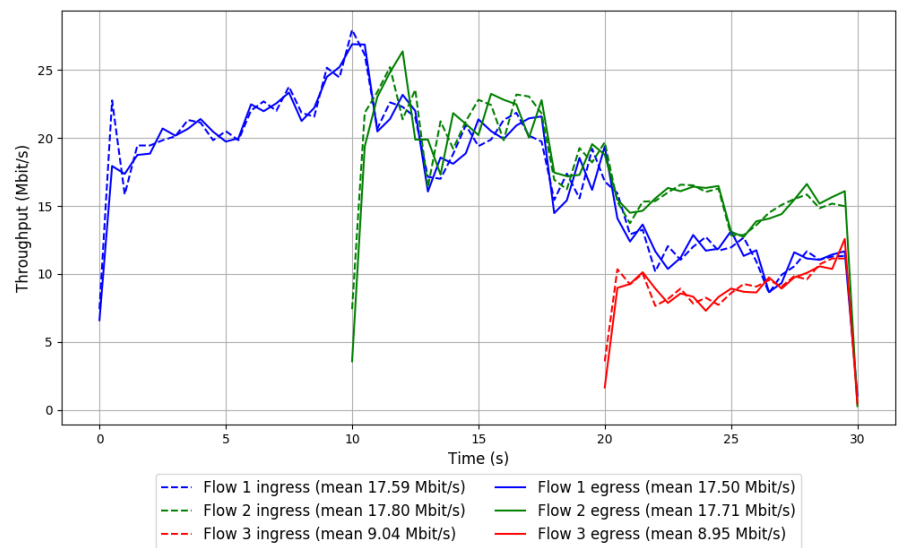


Run 1: Statistics of TCP Cubic

Start at: 2018-01-26 14:23:53
End at: 2018-01-26 14:24:23
Local clock offset: 2.922 ms
Remote clock offset: -4.235 ms

Below is generated by plot.py at 2018-01-26 17:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 82.492 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 81.527 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 17.71 Mbit/s
95th percentile per-packet one-way delay: 84.003 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 72.298 ms
Loss rate: 0.92%

Run 1: Report of TCP Cubic — Data Link

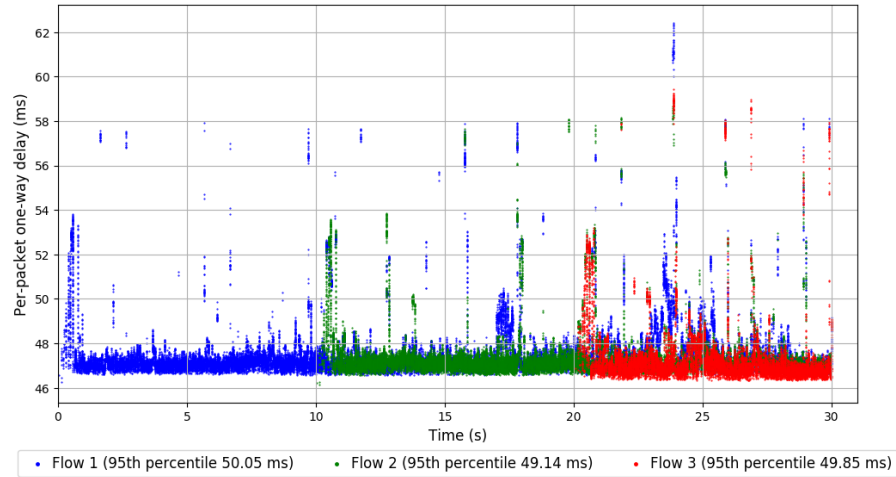
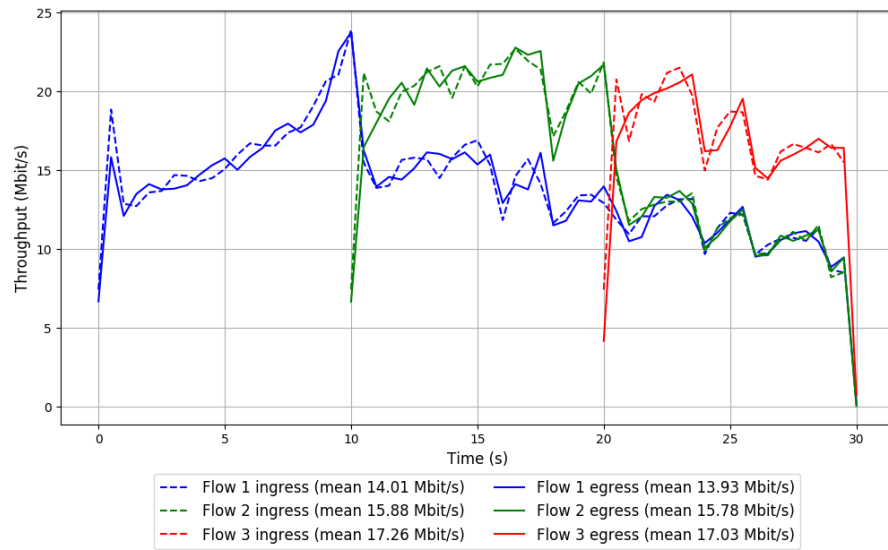


Run 2: Statistics of TCP Cubic

Start at: 2018-01-26 14:44:48
End at: 2018-01-26 14:45:18
Local clock offset: 3.478 ms
Remote clock offset: -4.237 ms

Below is generated by plot.py at 2018-01-26 17:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 49.789 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 13.93 Mbit/s
95th percentile per-packet one-way delay: 50.051 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 15.78 Mbit/s
95th percentile per-packet one-way delay: 49.143 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 49.855 ms
Loss rate: 1.33%

Run 2: Report of TCP Cubic — Data Link

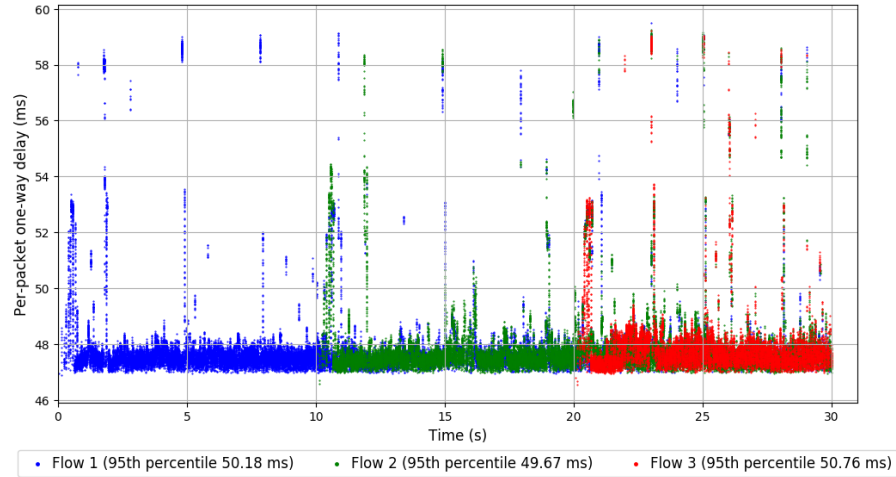
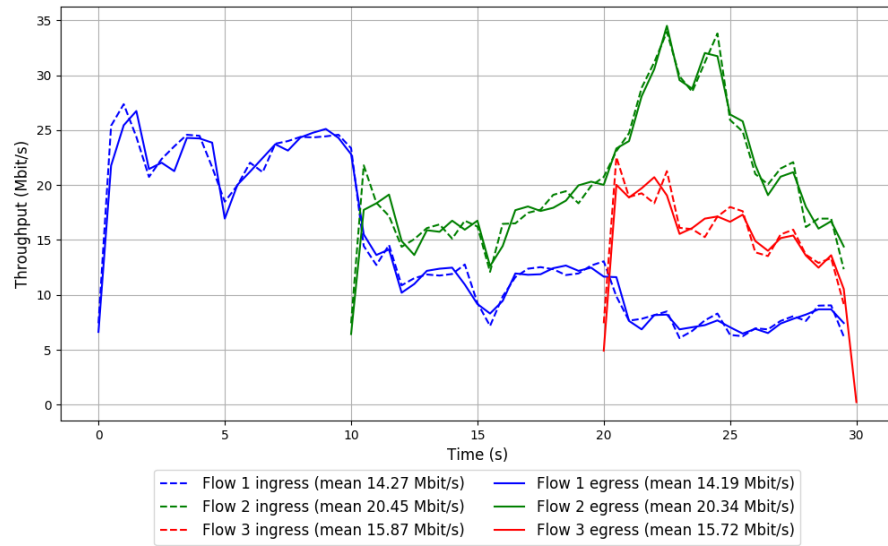


Run 3: Statistics of TCP Cubic

Start at: 2018-01-26 15:08:03
End at: 2018-01-26 15:08:33
Local clock offset: 3.453 ms
Remote clock offset: -4.166 ms

Below is generated by plot.py at 2018-01-26 17:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 50.052 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 50.181 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 49.671 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 50.758 ms
Loss rate: 0.90%

Run 3: Report of TCP Cubic — Data Link

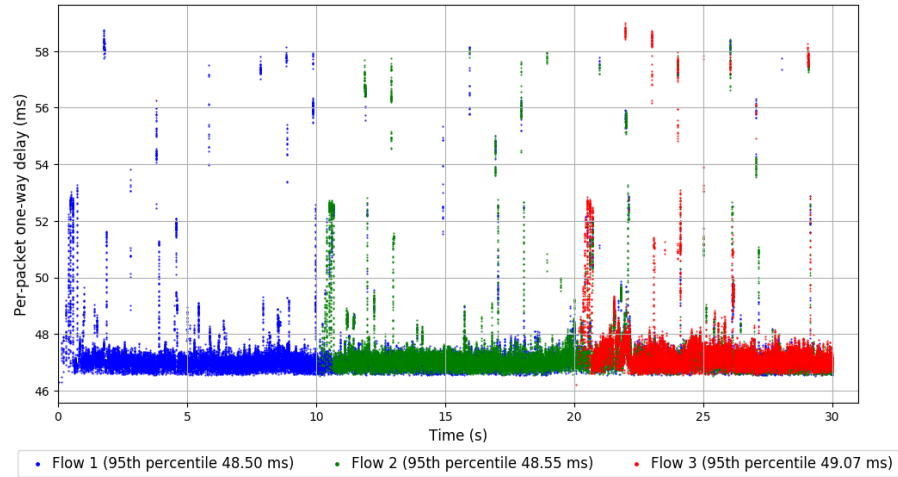
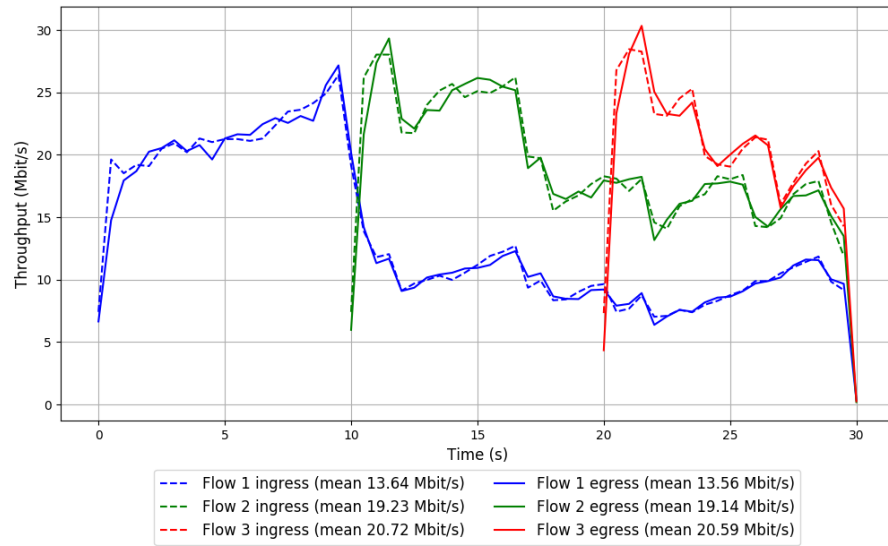


Run 4: Statistics of TCP Cubic

Start at: 2018-01-26 15:30:02
End at: 2018-01-26 15:30:32
Local clock offset: 3.151 ms
Remote clock offset: -3.978 ms

Below is generated by plot.py at 2018-01-26 17:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 48.674 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 48.498 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 19.14 Mbit/s
95th percentile per-packet one-way delay: 48.551 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 49.067 ms
Loss rate: 0.61%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-26 15:50:00

End at: 2018-01-26 15:50:30

Local clock offset: 2.704 ms

Remote clock offset: -3.87 ms

Below is generated by plot.py at 2018-01-26 17:54:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.97 Mbit/s

95th percentile per-packet one-way delay: 47.938 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 17.75 Mbit/s

95th percentile per-packet one-way delay: 47.786 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 19.46 Mbit/s

95th percentile per-packet one-way delay: 47.920 ms

Loss rate: 0.42%

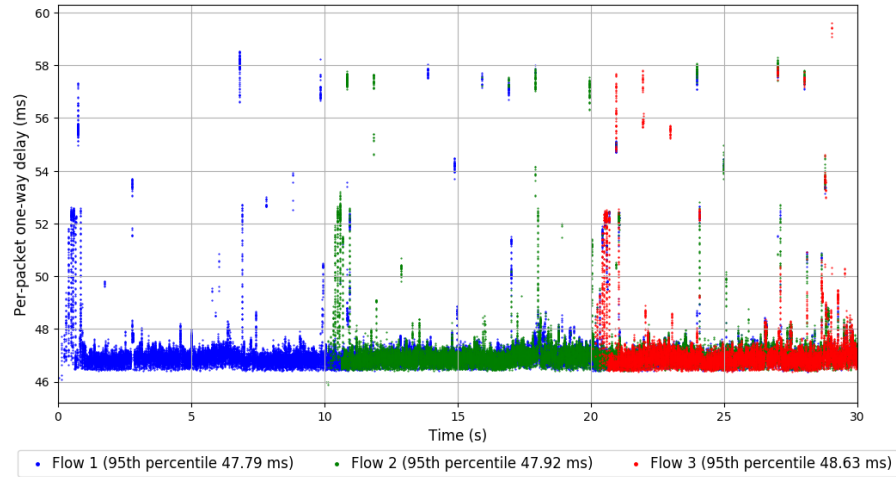
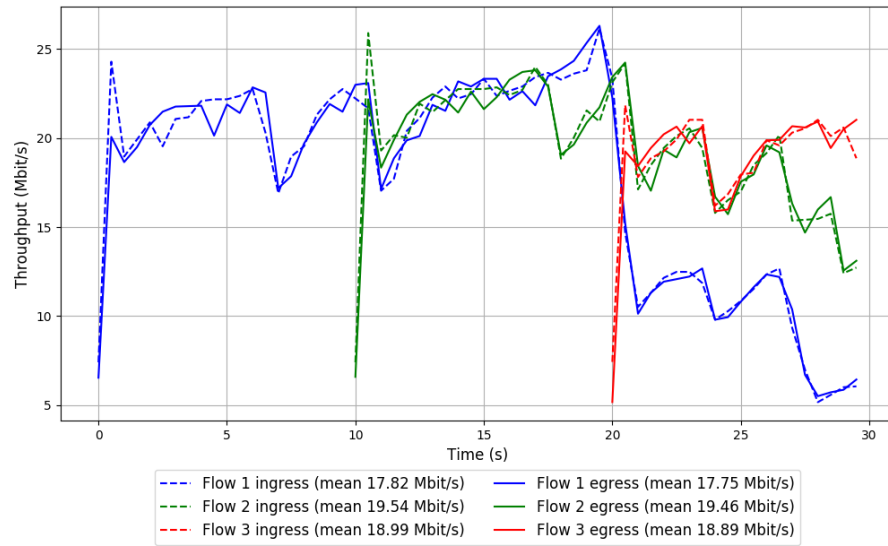
-- Flow 3:

Average throughput: 18.89 Mbit/s

95th percentile per-packet one-way delay: 48.632 ms

Loss rate: 0.52%

Run 5: Report of TCP Cubic — Data Link

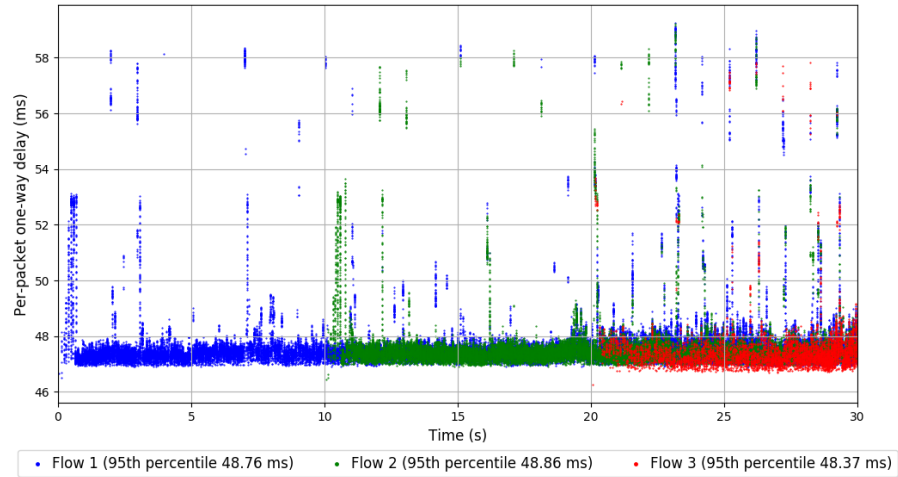
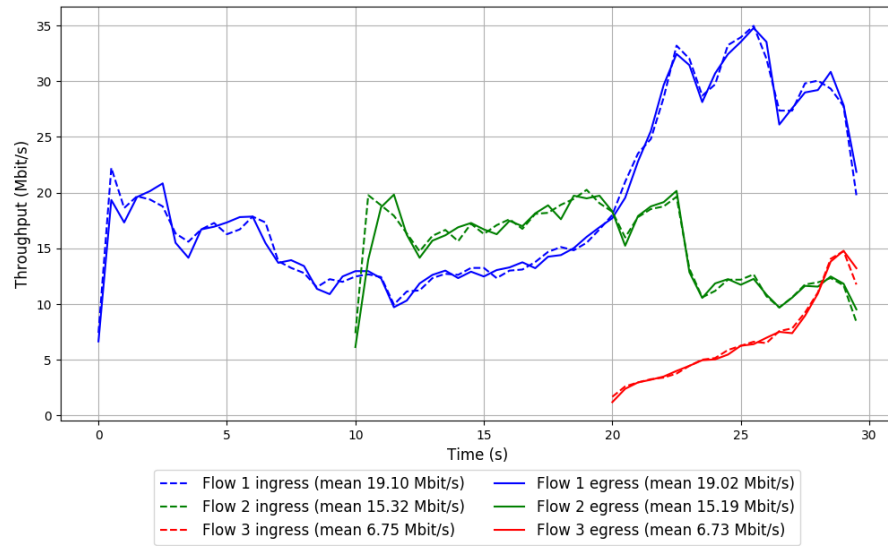


Run 6: Statistics of TCP Cubic

Start at: 2018-01-26 16:09:59
End at: 2018-01-26 16:10:29
Local clock offset: 2.119 ms
Remote clock offset: -4.309 ms

Below is generated by plot.py at 2018-01-26 17:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 48.740 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 19.02 Mbit/s
95th percentile per-packet one-way delay: 48.762 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 48.856 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 48.371 ms
Loss rate: 0.27%

Run 6: Report of TCP Cubic — Data Link

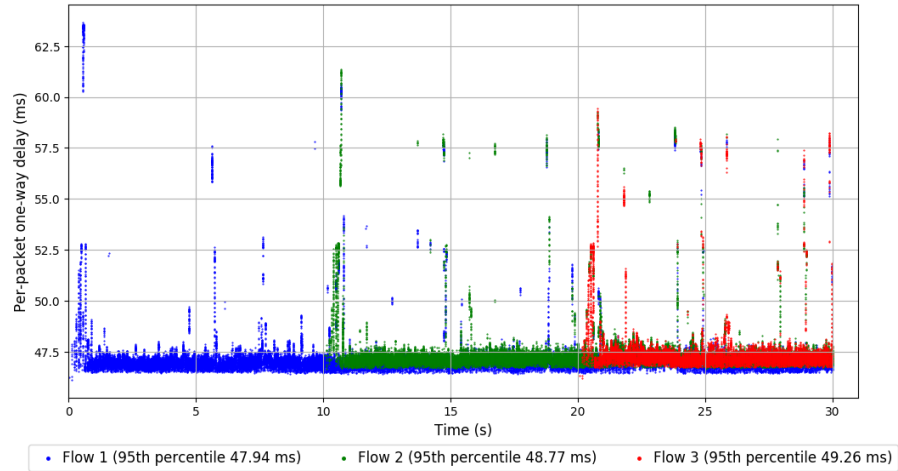
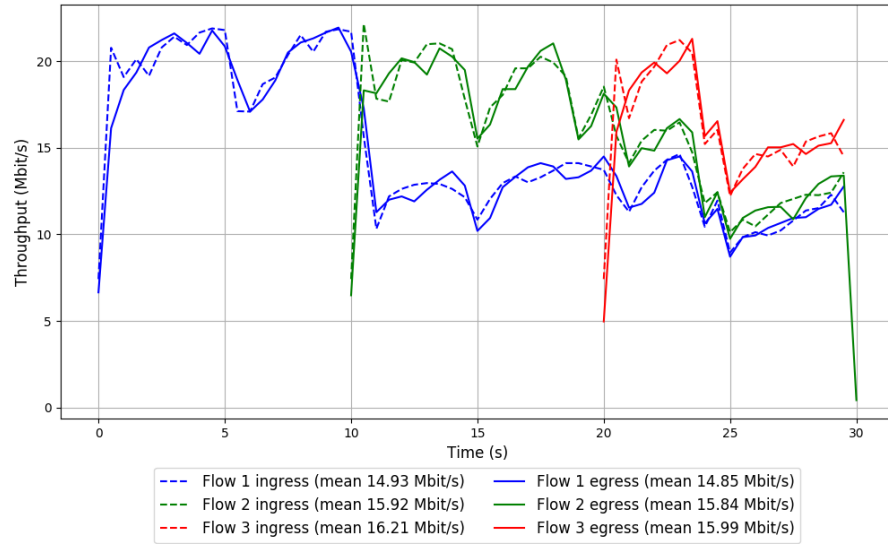


Run 7: Statistics of TCP Cubic

Start at: 2018-01-26 16:29:51
End at: 2018-01-26 16:30:21
Local clock offset: 2.144 ms
Remote clock offset: -4.907 ms

Below is generated by plot.py at 2018-01-26 17:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 48.394 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 47.943 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 48.772 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 49.264 ms
Loss rate: 1.30%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-26 16:49:41

End at: 2018-01-26 16:50:11

Local clock offset: 2.159 ms

Remote clock offset: -5.44 ms

Below is generated by plot.py at 2018-01-26 17:54:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 48.015 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 17.23 Mbit/s

95th percentile per-packet one-way delay: 48.010 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 21.82 Mbit/s

95th percentile per-packet one-way delay: 47.880 ms

Loss rate: 0.40%

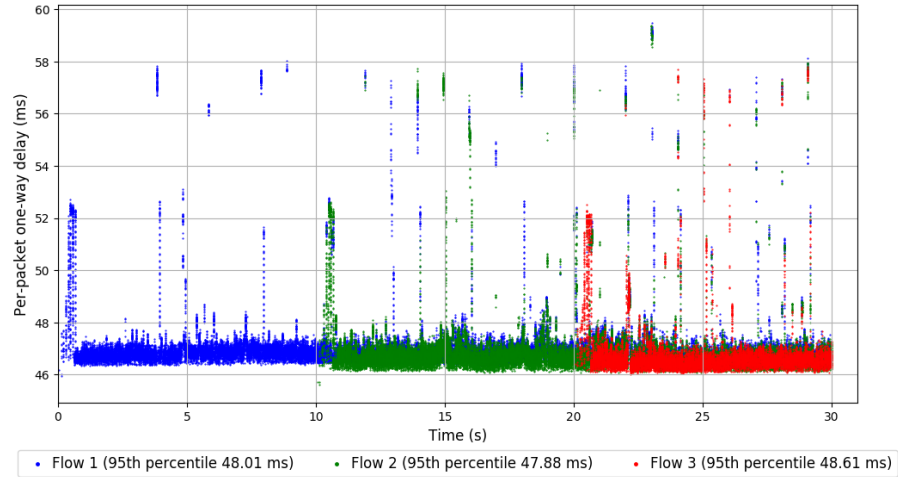
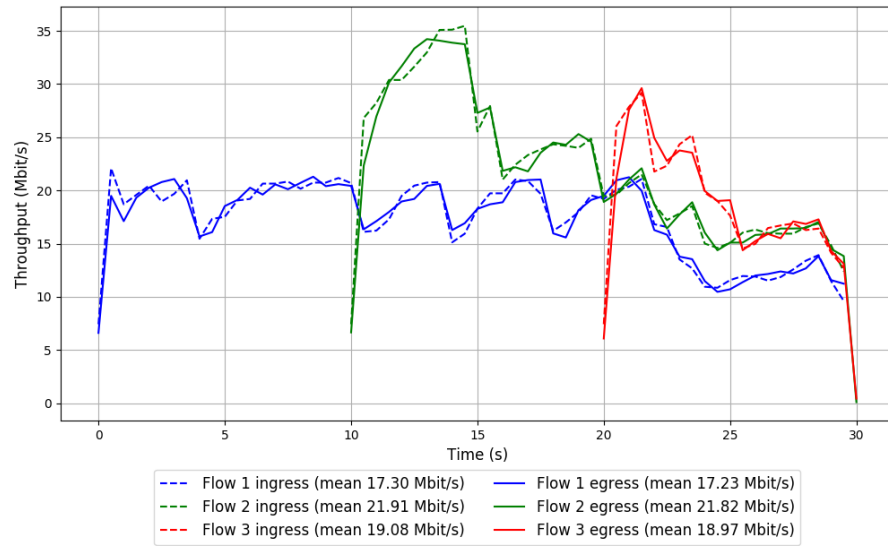
-- Flow 3:

Average throughput: 18.97 Mbit/s

95th percentile per-packet one-way delay: 48.610 ms

Loss rate: 0.58%

Run 8: Report of TCP Cubic — Data Link

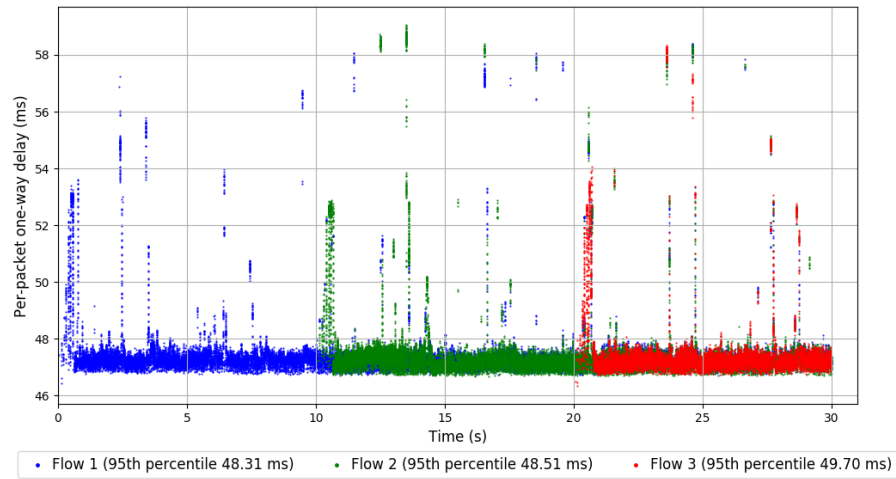
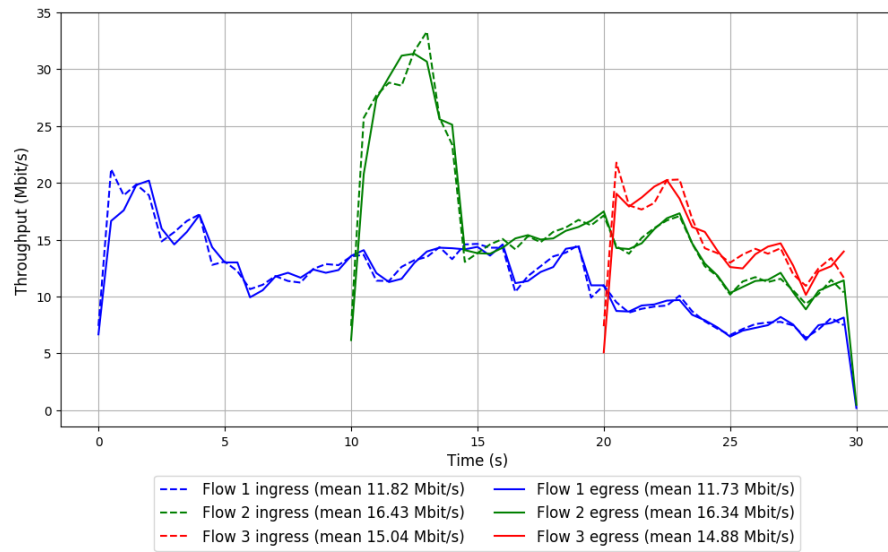


Run 9: Statistics of TCP Cubic

Start at: 2018-01-26 17:09:52
End at: 2018-01-26 17:10:22
Local clock offset: 1.212 ms
Remote clock offset: -5.835 ms

Below is generated by plot.py at 2018-01-26 17:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.53 Mbit/s
95th percentile per-packet one-way delay: 48.607 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 48.310 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 16.34 Mbit/s
95th percentile per-packet one-way delay: 48.505 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 49.697 ms
Loss rate: 1.05%

Run 9: Report of TCP Cubic — Data Link

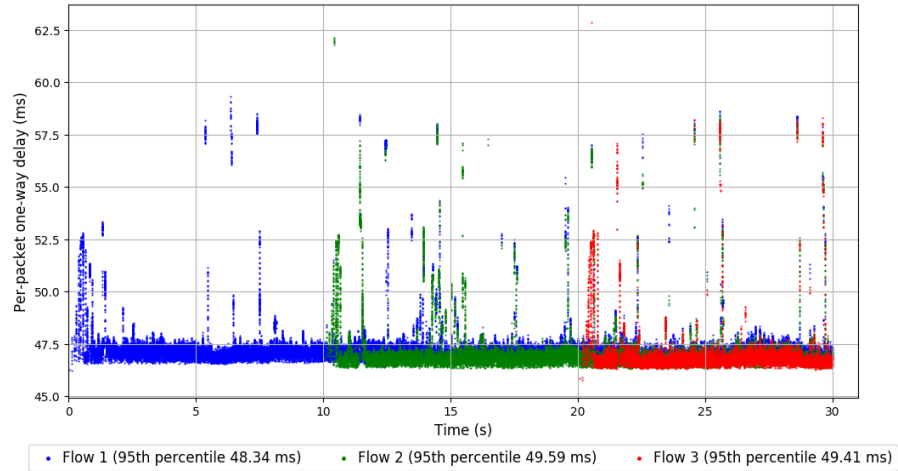
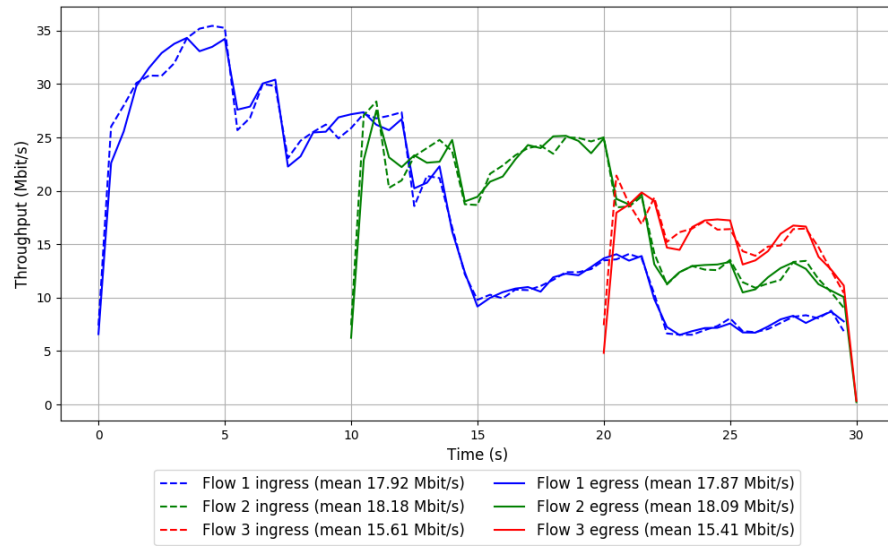


Run 10: Statistics of TCP Cubic

Start at: 2018-01-26 17:29:44
End at: 2018-01-26 17:30:14
Local clock offset: 1.451 ms
Remote clock offset: -6.432 ms

Below is generated by plot.py at 2018-01-26 17:54:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 48.775 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 48.341 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 49.585 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 15.41 Mbit/s
95th percentile per-packet one-way delay: 49.413 ms
Loss rate: 1.28%

Run 10: Report of TCP Cubic — Data Link

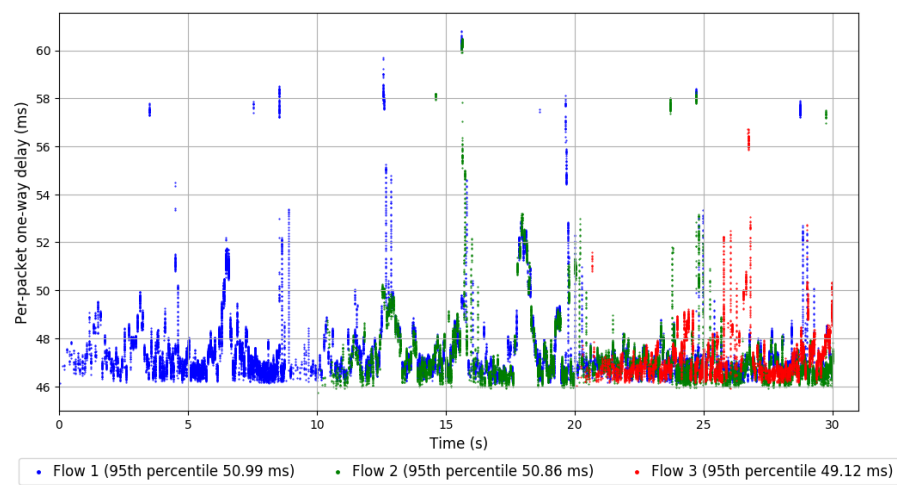
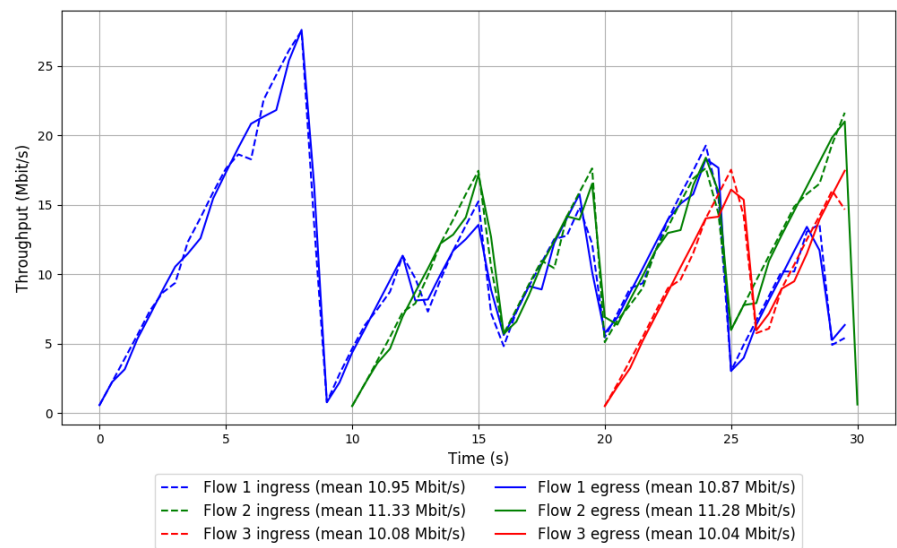


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-26 14:10:57
End at: 2018-01-26 14:11:27
Local clock offset: 2.807 ms
Remote clock offset: -4.283 ms

# Below is generated by plot.py at 2018-01-26 17:54:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.69 Mbit/s
95th percentile per-packet one-way delay: 50.589 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 50.990 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 50.858 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 10.04 Mbit/s
95th percentile per-packet one-way delay: 49.121 ms
Loss rate: 0.31%
```

Run 1: Report of LEDBAT — Data Link

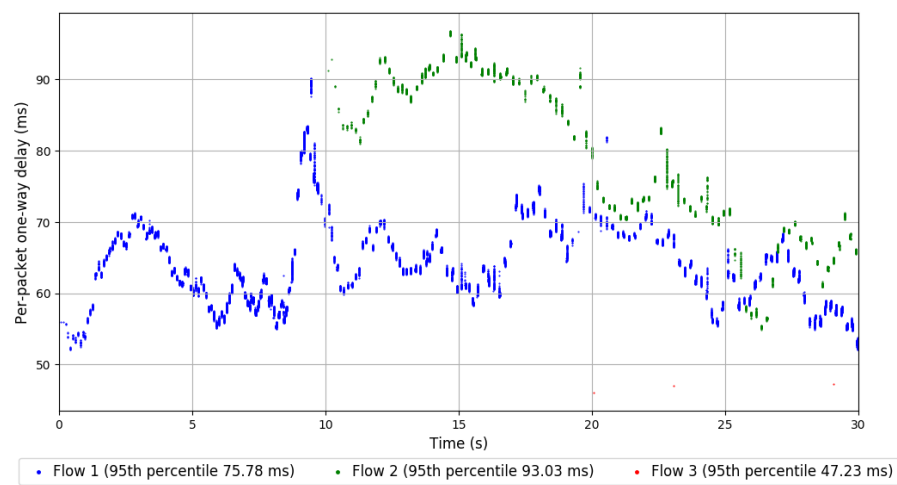
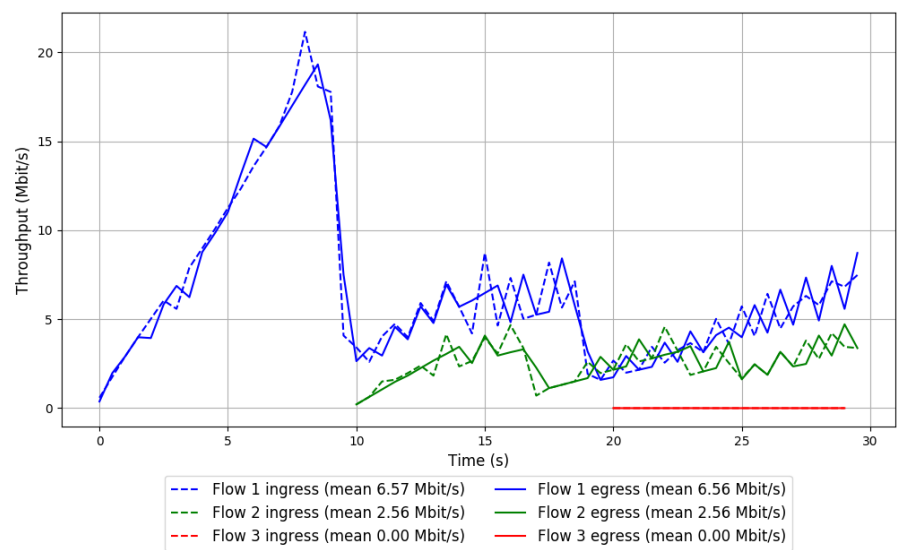


Run 2: Statistics of LEDBAT

Start at: 2018-01-26 14:31:34
End at: 2018-01-26 14:32:04
Local clock offset: 3.323 ms
Remote clock offset: -4.185 ms

Below is generated by plot.py at 2018-01-26 17:54:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 90.199 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 75.780 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 93.031 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 47.229 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-26 14:52:22

End at: 2018-01-26 14:52:52

Local clock offset: 3.763 ms

Remote clock offset: -4.2 ms

Below is generated by plot.py at 2018-01-26 17:54:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.92 Mbit/s

95th percentile per-packet one-way delay: 52.050 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 50.608 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 11.24 Mbit/s

95th percentile per-packet one-way delay: 53.124 ms

Loss rate: 0.67%

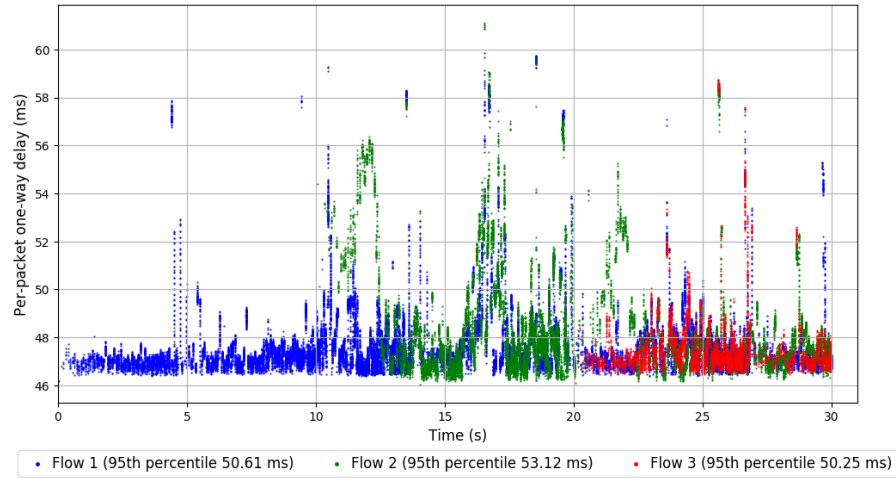
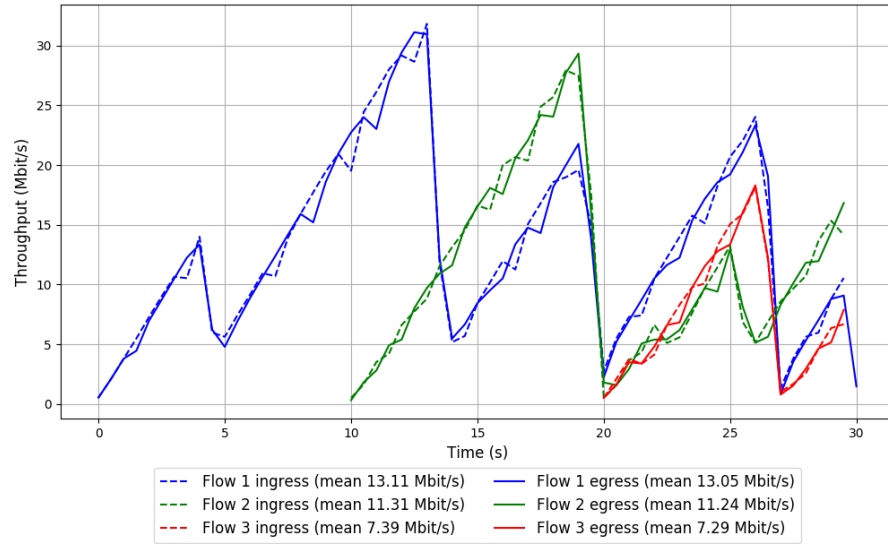
-- Flow 3:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 50.248 ms

Loss rate: 1.20%

Run 3: Report of LEDBAT — Data Link

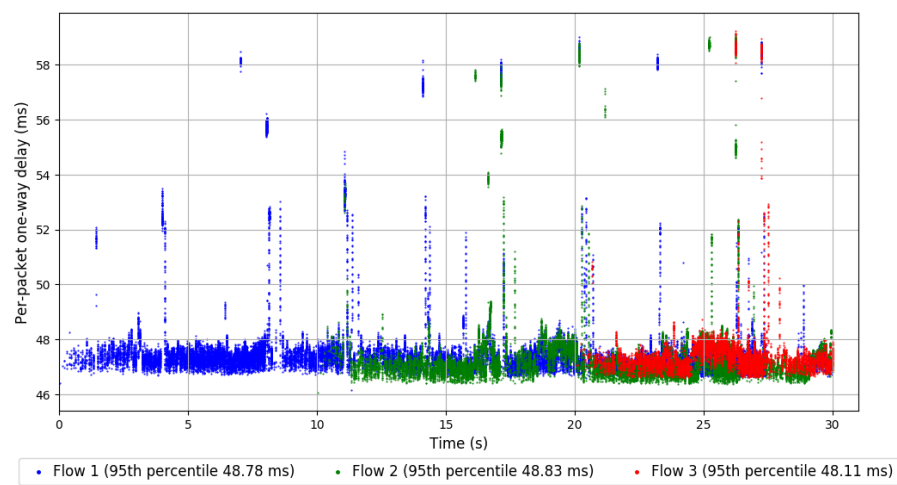
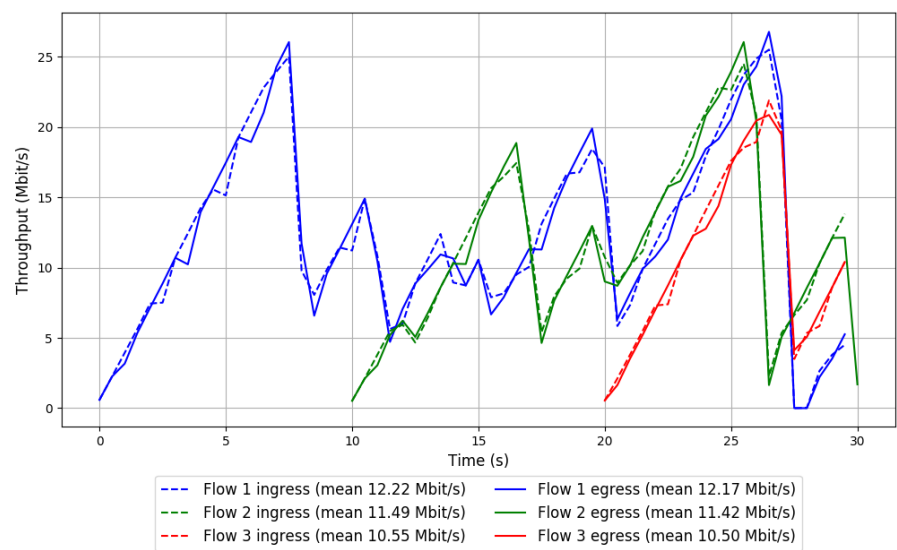


Run 4: Statistics of LEDBAT

Start at: 2018-01-26 15:17:46
End at: 2018-01-26 15:18:16
Local clock offset: 3.723 ms
Remote clock offset: -3.955 ms

Below is generated by plot.py at 2018-01-26 17:54:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 48.624 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 48.780 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 48.828 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 48.111 ms
Loss rate: 0.49%

Run 4: Report of LEDBAT — Data Link

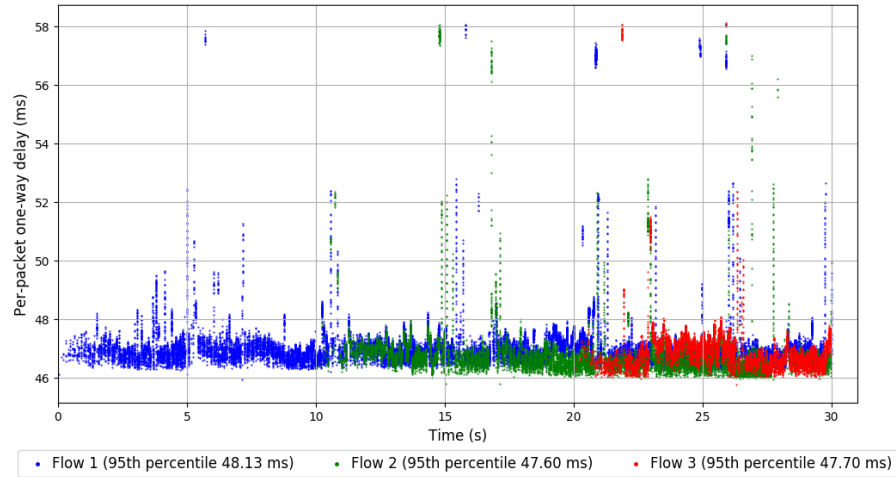
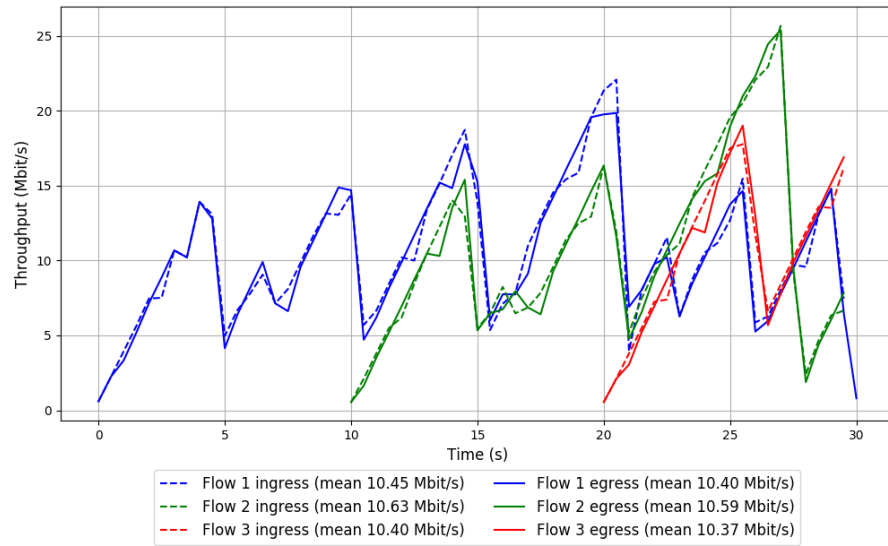


Run 5: Statistics of LEDBAT

Start at: 2018-01-26 15:37:38
End at: 2018-01-26 15:38:08
Local clock offset: 3.423 ms
Remote clock offset: -3.918 ms

Below is generated by plot.py at 2018-01-26 17:54:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 47.851 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 48.131 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 47.605 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 47.698 ms
Loss rate: 0.25%

Run 5: Report of LEDBAT — Data Link

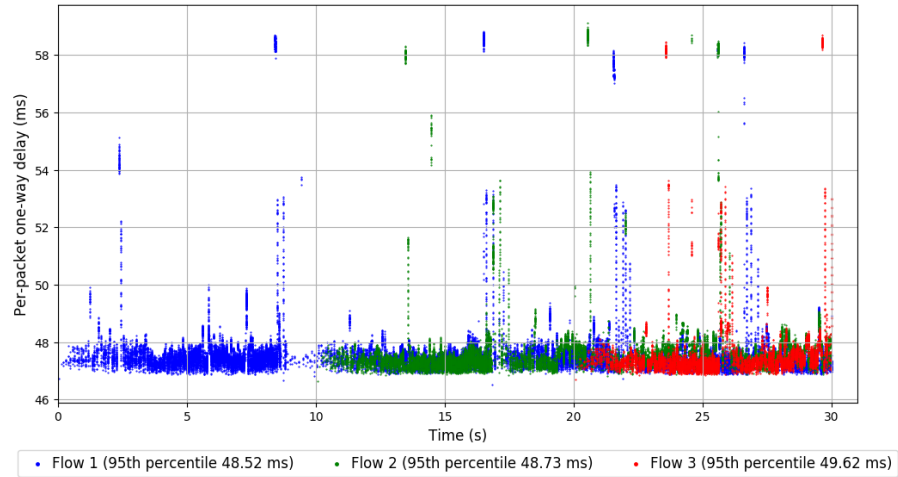
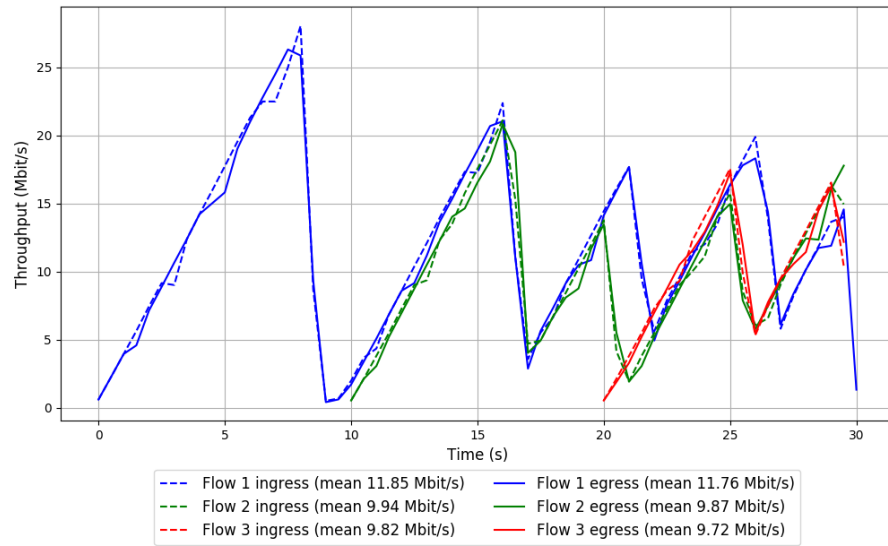


Run 6: Statistics of LEDBAT

Start at: 2018-01-26 15:57:36
End at: 2018-01-26 15:58:06
Local clock offset: 2.063 ms
Remote clock offset: -3.963 ms

Below is generated by plot.py at 2018-01-26 17:54:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 48.669 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 48.523 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 48.725 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 49.622 ms
Loss rate: 0.89%

Run 6: Report of LEDBAT — Data Link

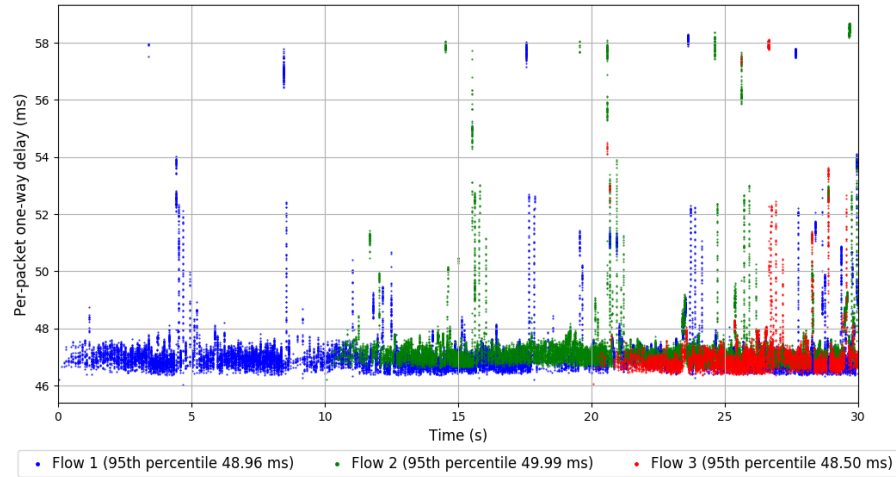
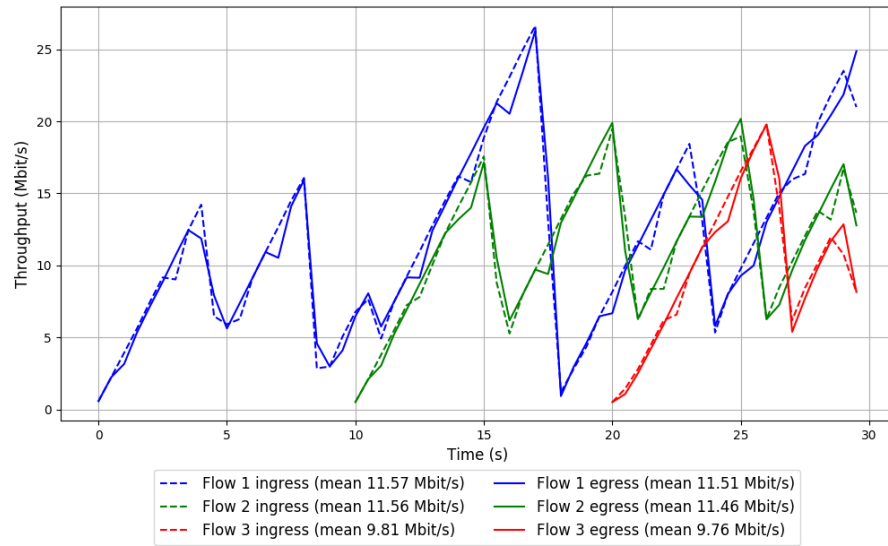


Run 7: Statistics of LEDBAT

Start at: 2018-01-26 16:17:35
End at: 2018-01-26 16:18:05
Local clock offset: 2.281 ms
Remote clock offset: -4.573 ms

Below is generated by plot.py at 2018-01-26 17:54:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 49.275 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 48.960 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 11.46 Mbit/s
95th percentile per-packet one-way delay: 49.994 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 48.500 ms
Loss rate: 0.55%

Run 7: Report of LEDBAT — Data Link

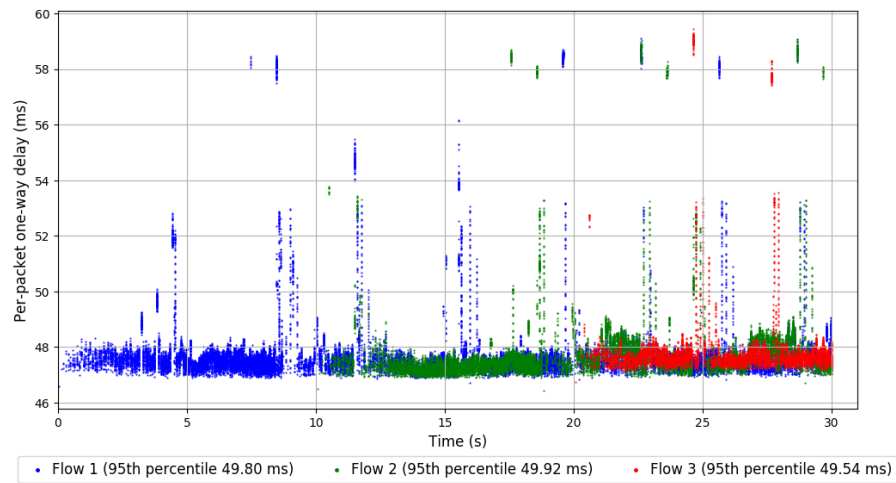
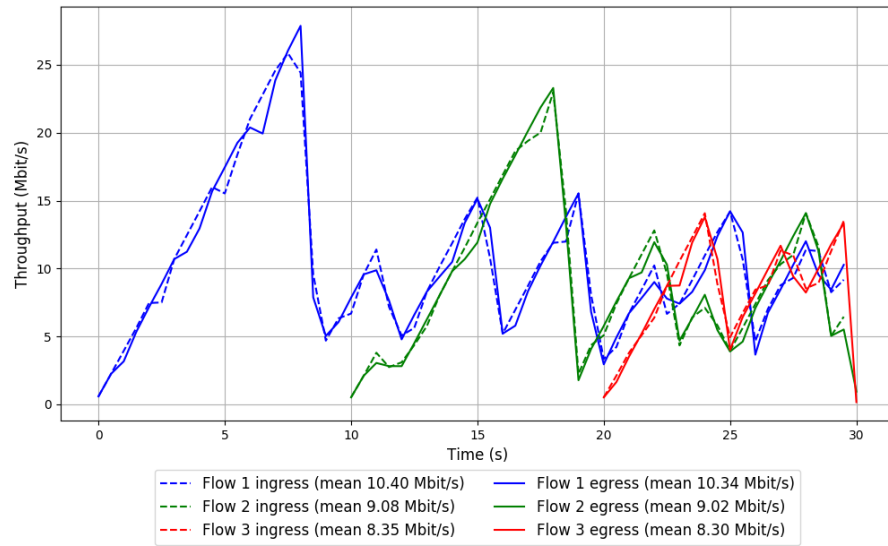


Run 8: Statistics of LEDBAT

Start at: 2018-01-26 16:37:27
End at: 2018-01-26 16:37:57
Local clock offset: 1.621 ms
Remote clock offset: -5.128 ms

Below is generated by plot.py at 2018-01-26 17:54:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 49.815 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 49.802 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 49.923 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 49.538 ms
Loss rate: 0.55%

Run 8: Report of LEDBAT — Data Link

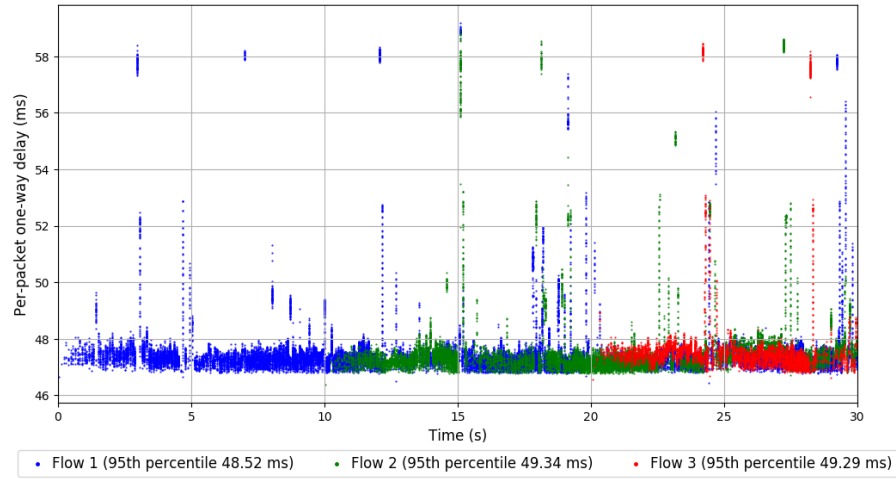
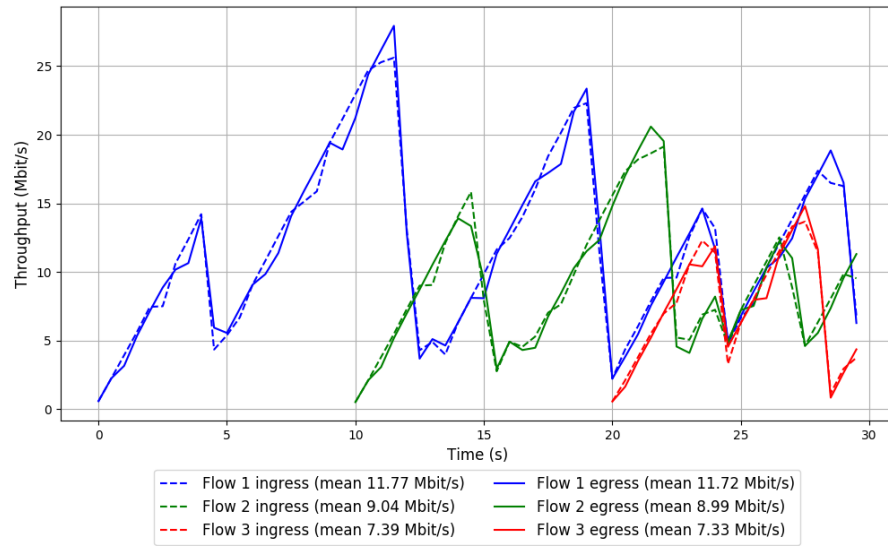


Run 9: Statistics of LEDBAT

Start at: 2018-01-26 16:57:17
End at: 2018-01-26 16:57:47
Local clock offset: 1.578 ms
Remote clock offset: -5.598 ms

Below is generated by plot.py at 2018-01-26 17:54:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 48.879 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 48.522 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 49.340 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 49.286 ms
Loss rate: 0.77%

Run 9: Report of LEDBAT — Data Link

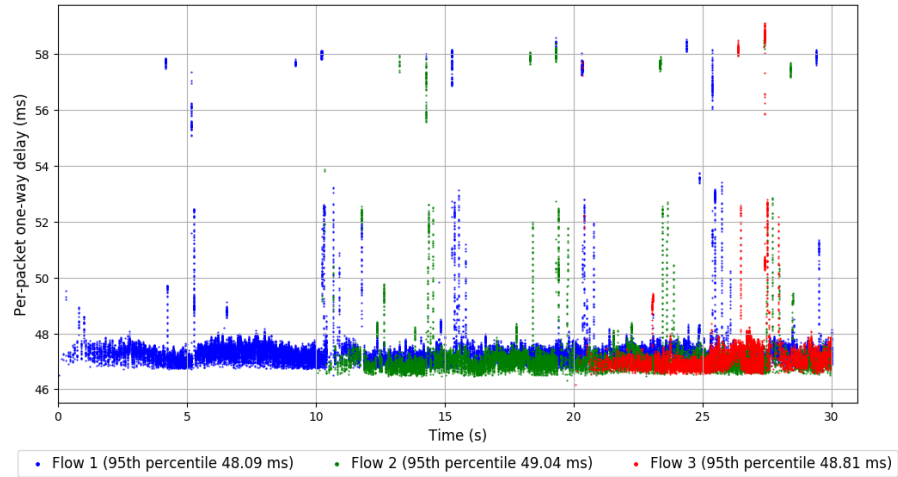
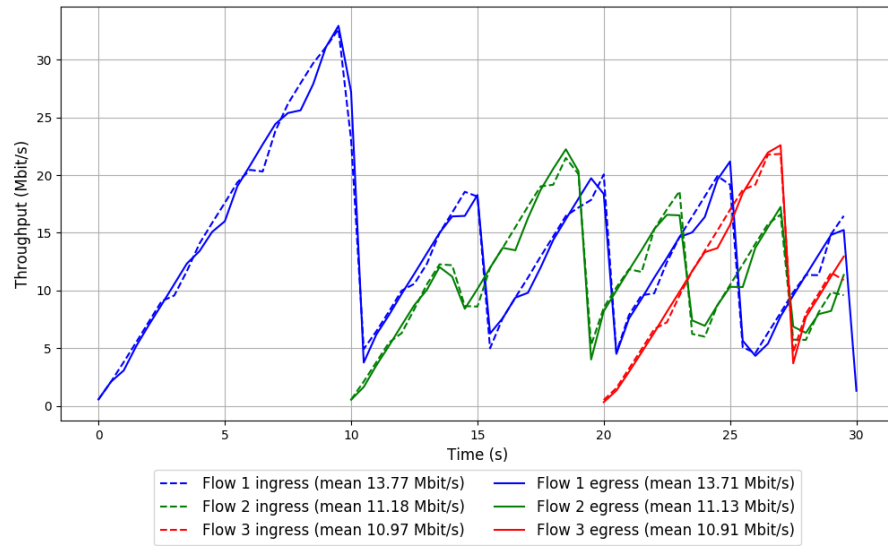


Run 10: Statistics of LEDBAT

Start at: 2018-01-26 17:17:29
End at: 2018-01-26 17:17:59
Local clock offset: 1.299 ms
Remote clock offset: -5.977 ms

Below is generated by plot.py at 2018-01-26 17:54:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 48.287 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 13.71 Mbit/s
95th percentile per-packet one-way delay: 48.092 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 49.041 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 48.811 ms
Loss rate: 0.47%

Run 10: Report of LEDBAT — Data Link

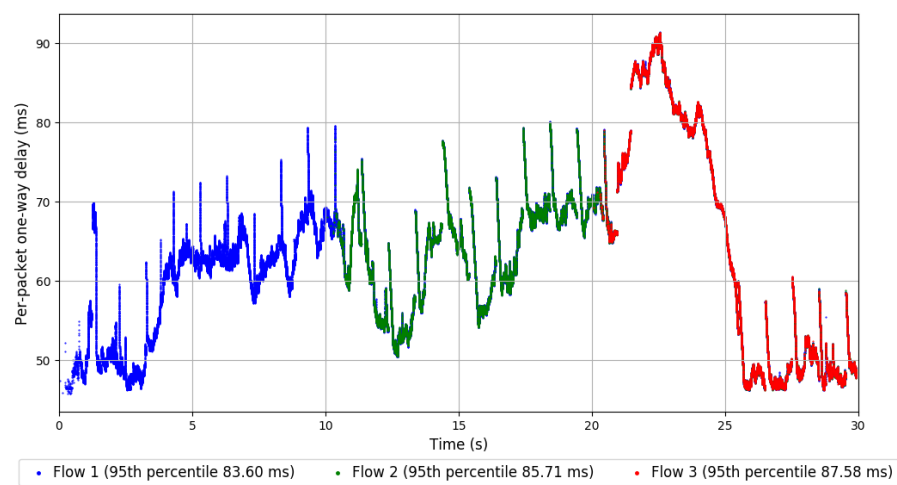
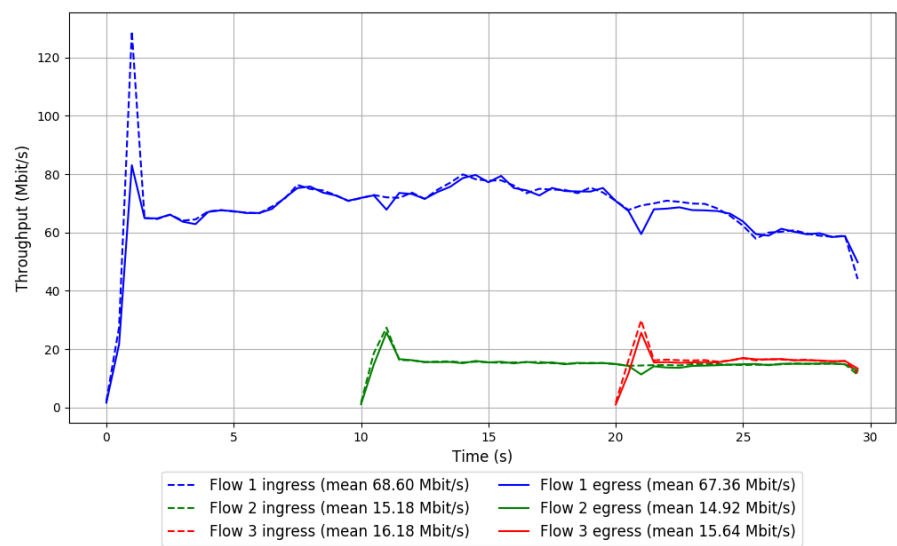


```
Run 1: Statistics of PCC

Start at: 2018-01-26 14:18:46
End at: 2018-01-26 14:19:16
Local clock offset: 2.77 ms
Remote clock offset: -4.234 ms

# Below is generated by plot.py at 2018-01-26 17:55:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.41 Mbit/s
95th percentile per-packet one-way delay: 85.109 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 67.36 Mbit/s
95th percentile per-packet one-way delay: 83.598 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 14.92 Mbit/s
95th percentile per-packet one-way delay: 85.708 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 87.582 ms
Loss rate: 3.55%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-26 14:39:51

End at: 2018-01-26 14:40:21

Local clock offset: 3.178 ms

Remote clock offset: -4.2 ms

Below is generated by plot.py at 2018-01-26 17:55:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.30 Mbit/s

95th percentile per-packet one-way delay: 63.763 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 71.08 Mbit/s

95th percentile per-packet one-way delay: 63.766 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 16.25 Mbit/s

95th percentile per-packet one-way delay: 63.752 ms

Loss rate: 1.21%

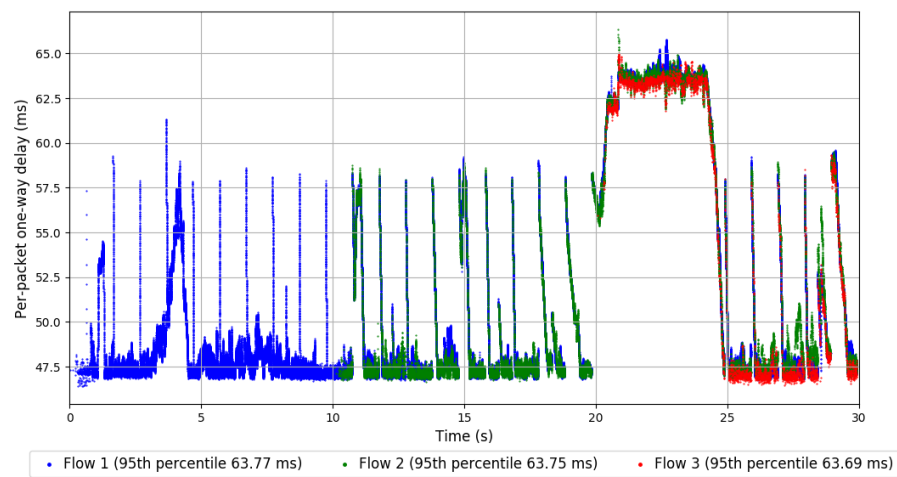
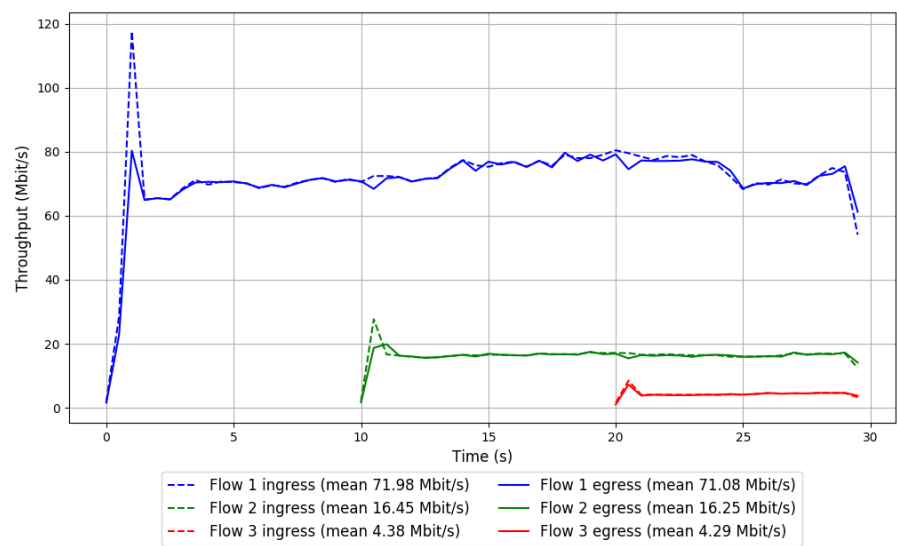
-- Flow 3:

Average throughput: 4.29 Mbit/s

95th percentile per-packet one-way delay: 63.691 ms

Loss rate: 2.32%

Run 2: Report of PCC — Data Link

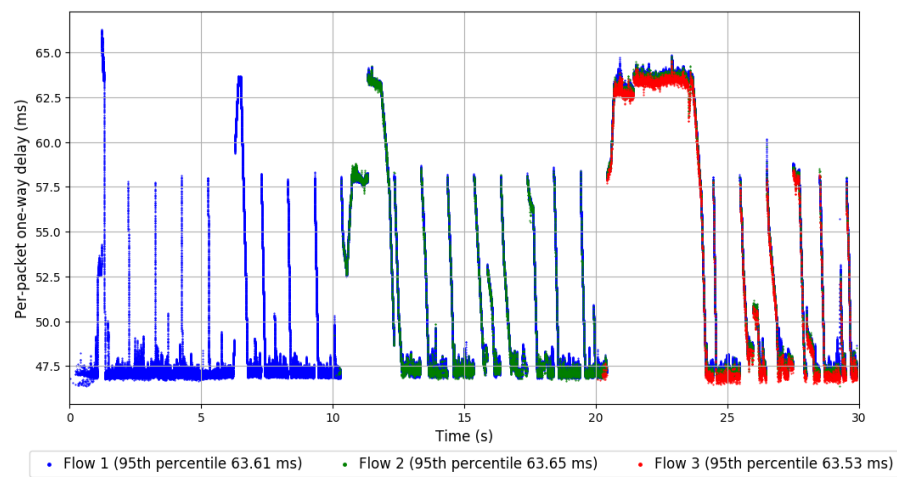
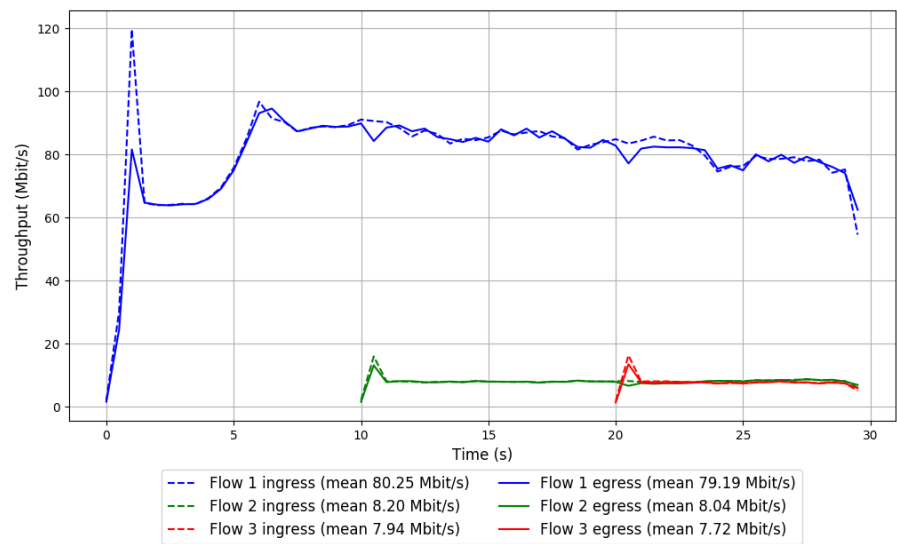


Run 3: Statistics of PCC

Start at: 2018-01-26 15:01:16
End at: 2018-01-26 15:01:46
Local clock offset: 3.479 ms
Remote clock offset: -4.292 ms

Below is generated by plot.py at 2018-01-26 17:55:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 63.612 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 79.19 Mbit/s
95th percentile per-packet one-way delay: 63.613 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 63.652 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 63.532 ms
Loss rate: 2.69%

Run 3: Report of PCC — Data Link

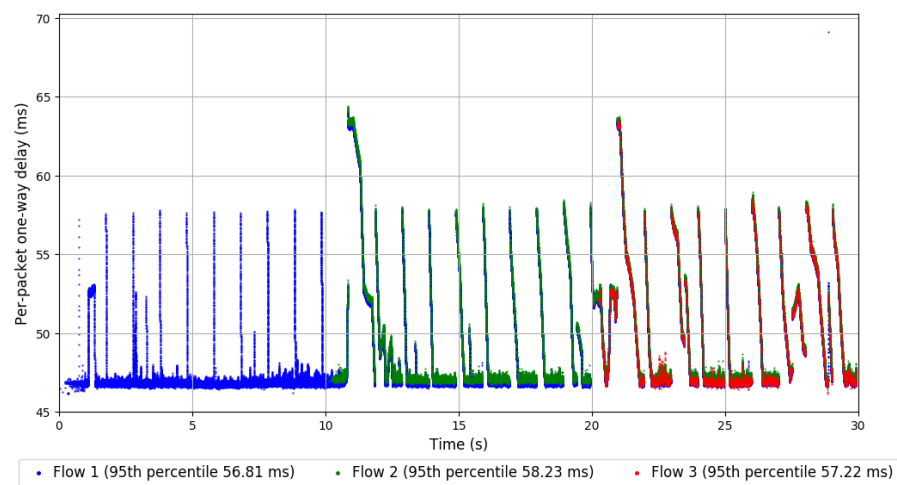
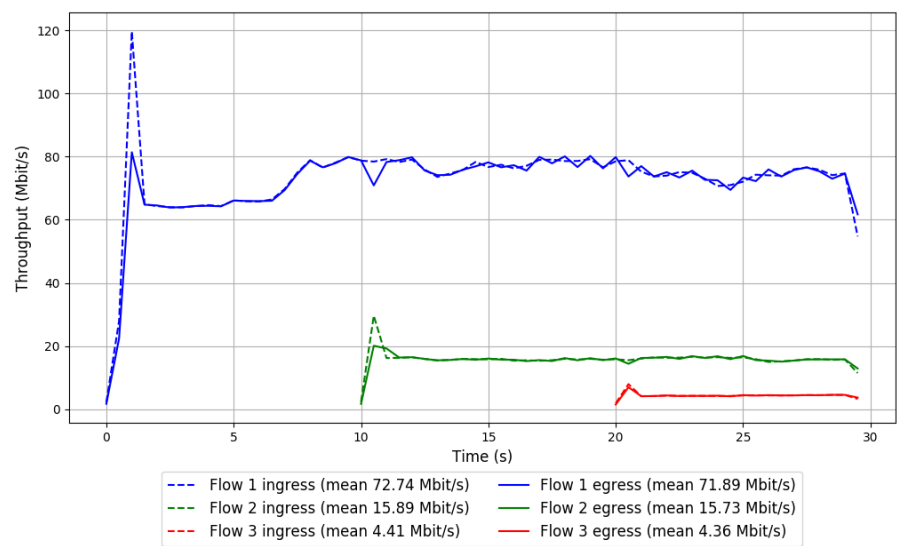


Run 4: Statistics of PCC

Start at: 2018-01-26 15:25:03
End at: 2018-01-26 15:25:33
Local clock offset: 3.323 ms
Remote clock offset: -3.914 ms

Below is generated by plot.py at 2018-01-26 17:55:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 57.044 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 56.814 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 15.73 Mbit/s
95th percentile per-packet one-way delay: 58.225 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 57.220 ms
Loss rate: 1.02%

Run 4: Report of PCC — Data Link

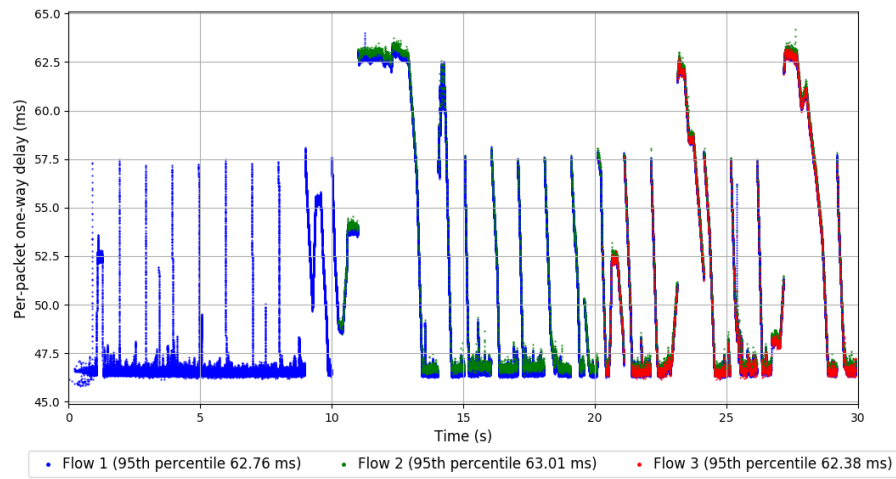
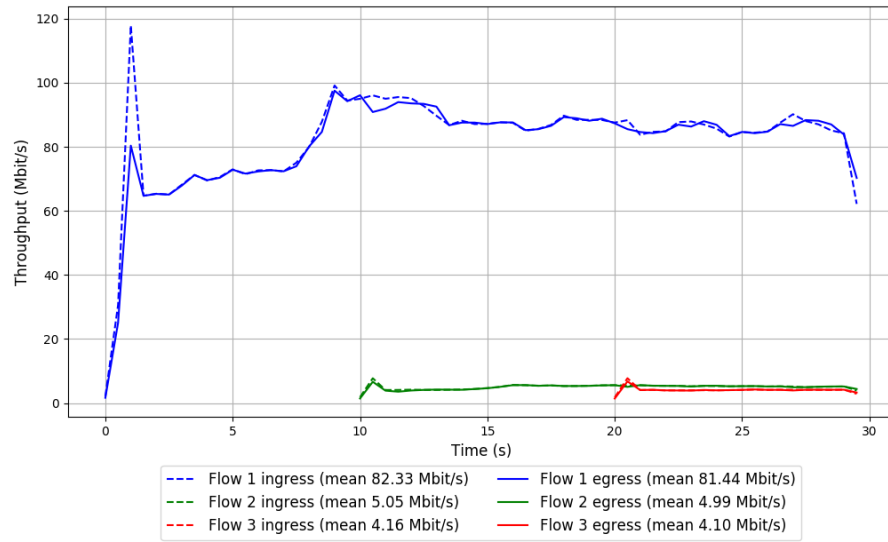


Run 5: Statistics of PCC

Start at: 2018-01-26 15:44:55
End at: 2018-01-26 15:45:25
Local clock offset: 3.015 ms
Remote clock offset: -3.872 ms

Below is generated by plot.py at 2018-01-26 17:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 62.763 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 62.758 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 63.009 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 62.381 ms
Loss rate: 1.31%

Run 5: Report of PCC — Data Link

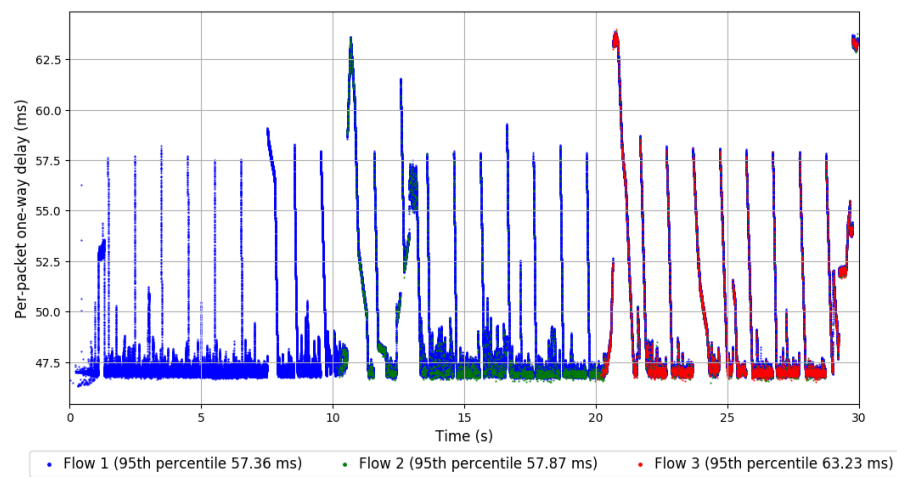
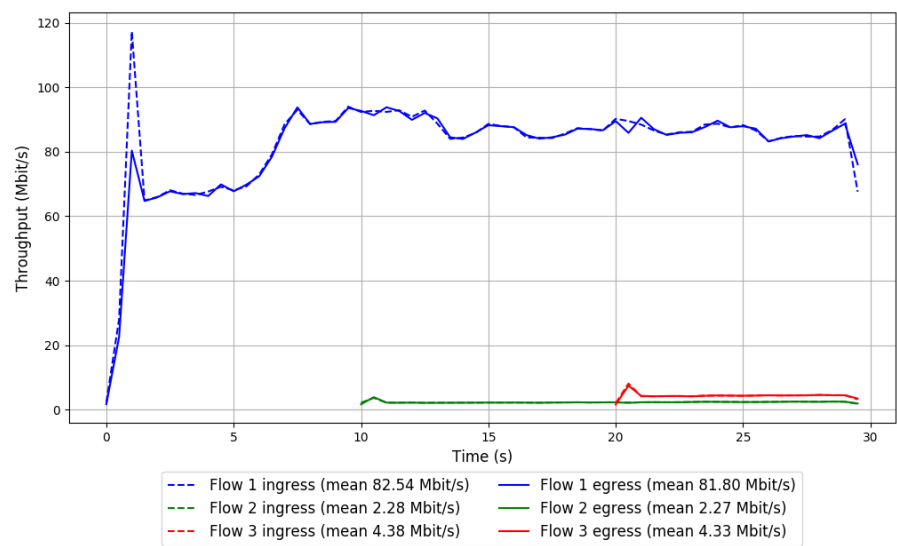


Run 6: Statistics of PCC

Start at: 2018-01-26 16:04:53
End at: 2018-01-26 16:05:23
Local clock offset: 2.318 ms
Remote clock offset: -4.214 ms

Below is generated by plot.py at 2018-01-26 17:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 57.407 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: 57.359 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 57.874 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 63.229 ms
Loss rate: 0.87%

Run 6: Report of PCC — Data Link

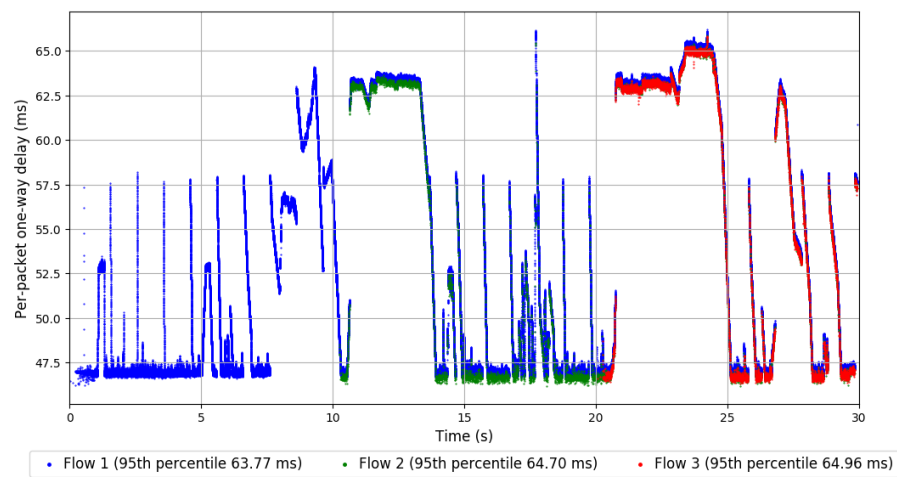
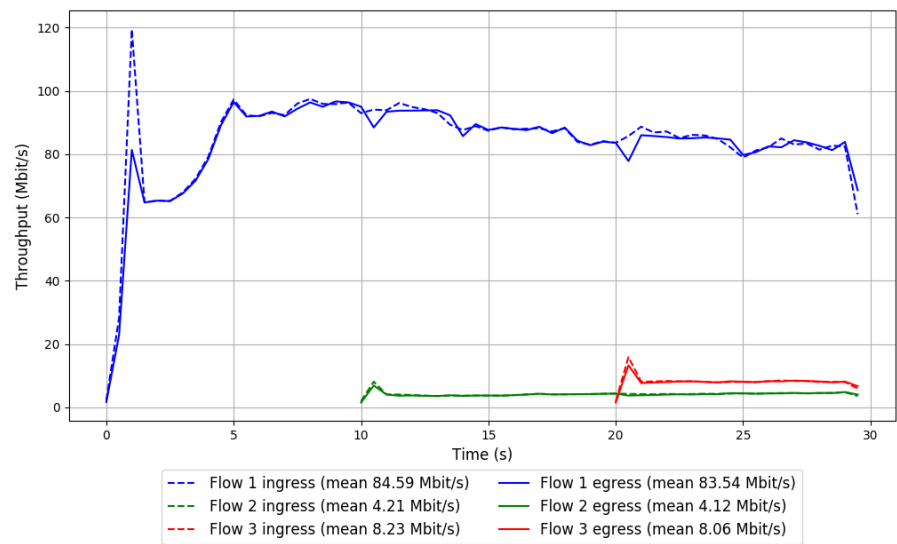


Run 7: Statistics of PCC

Start at: 2018-01-26 16:24:52
End at: 2018-01-26 16:25:22
Local clock offset: 2.094 ms
Remote clock offset: -4.888 ms

Below is generated by plot.py at 2018-01-26 17:55:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 63.920 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 63.767 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 64.701 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 64.964 ms
Loss rate: 1.95%

Run 7: Report of PCC — Data Link

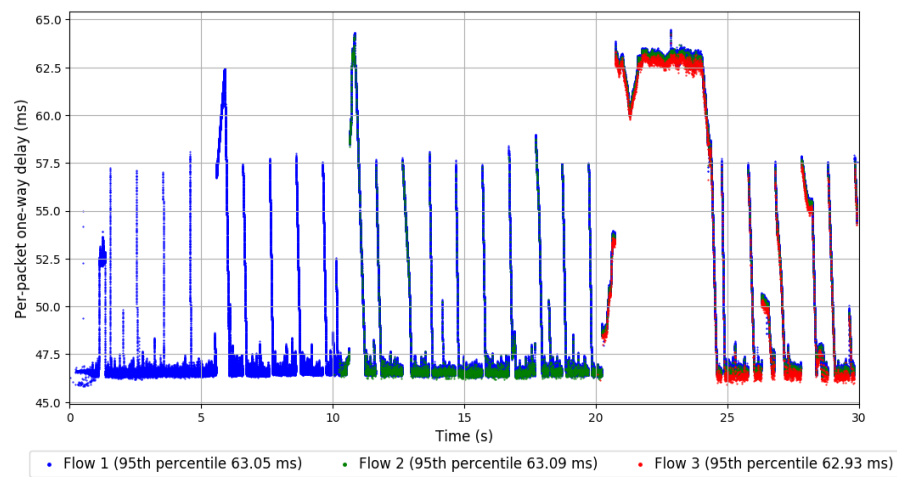
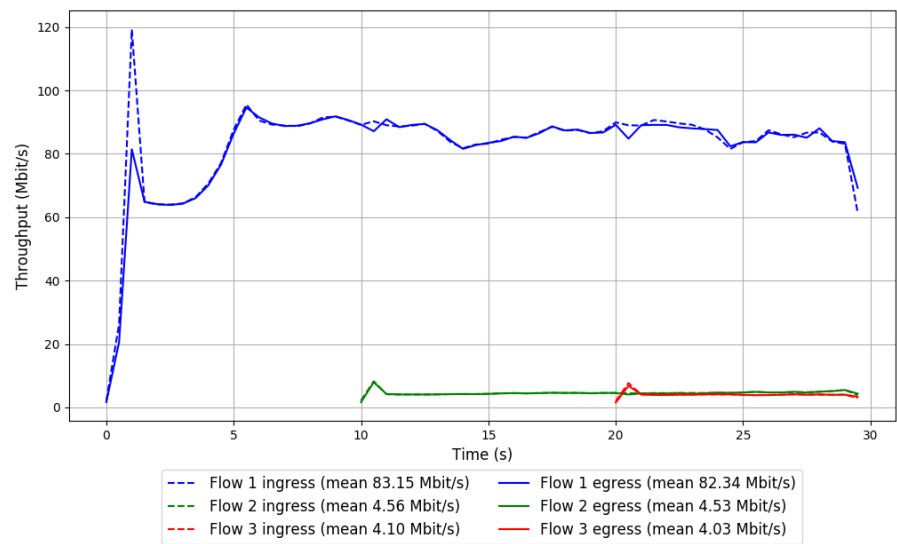


Run 8: Statistics of PCC

Start at: 2018-01-26 16:44:44
End at: 2018-01-26 16:45:14
Local clock offset: 2.301 ms
Remote clock offset: -5.323 ms

Below is generated by plot.py at 2018-01-26 17:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 63.053 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 63.055 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 63.085 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 62.934 ms
Loss rate: 1.46%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-26 17:04:49

End at: 2018-01-26 17:05:19

Local clock offset: 1.748 ms

Remote clock offset: -5.74 ms

Below is generated by plot.py at 2018-01-26 17:56:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.83 Mbit/s

95th percentile per-packet one-way delay: 62.980 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 82.73 Mbit/s

95th percentile per-packet one-way delay: 62.980 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 63.031 ms

Loss rate: 1.80%

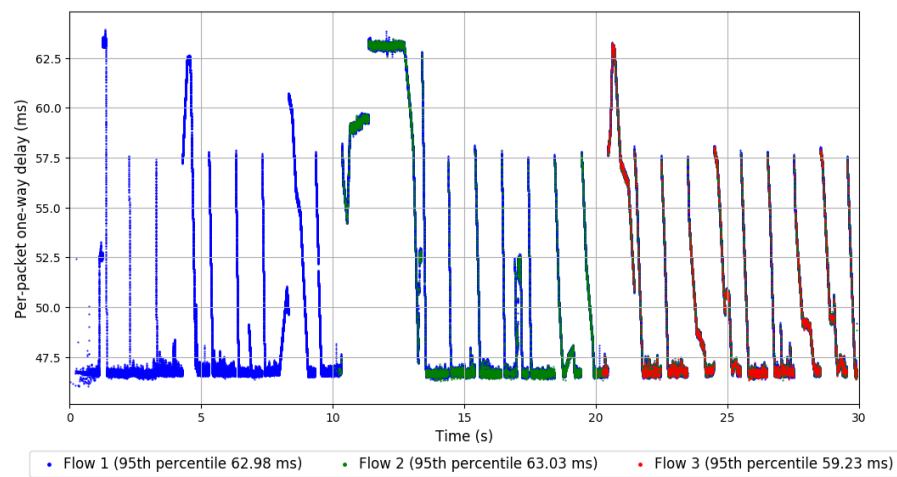
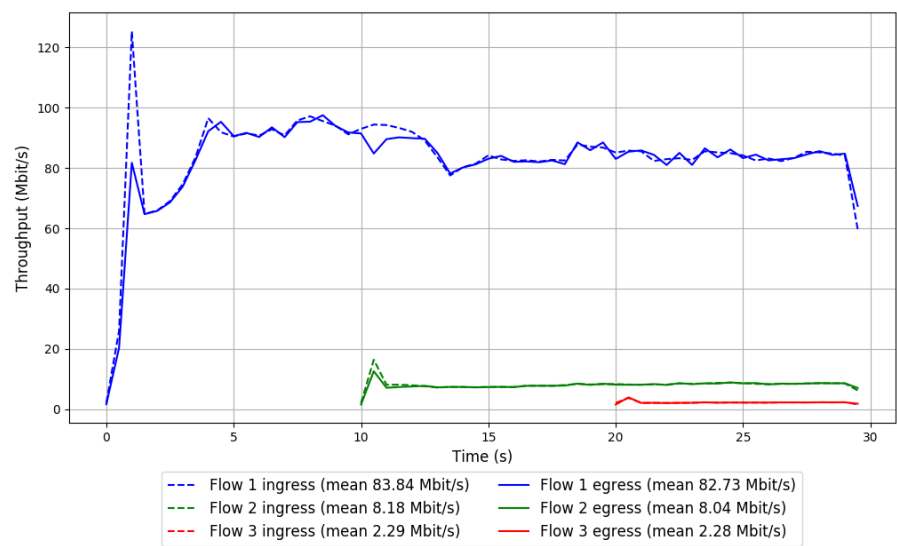
-- Flow 3:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 59.235 ms

Loss rate: 0.22%

Run 9: Report of PCC — Data Link

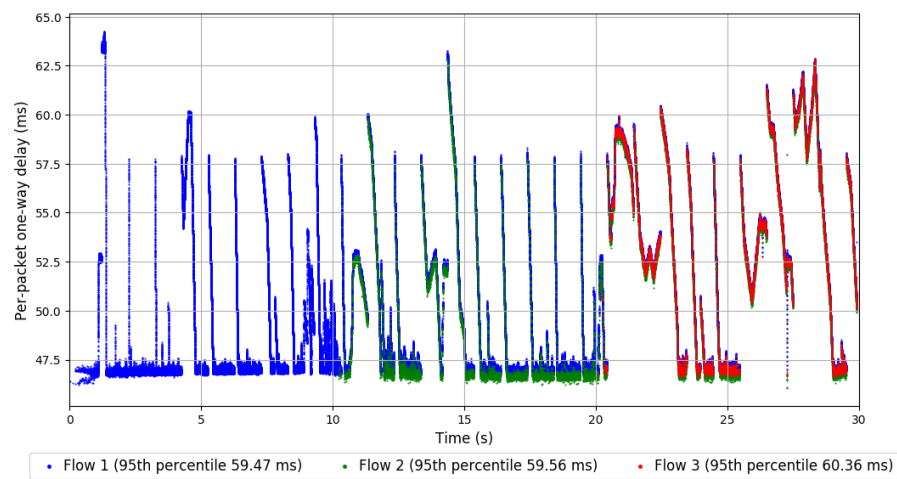
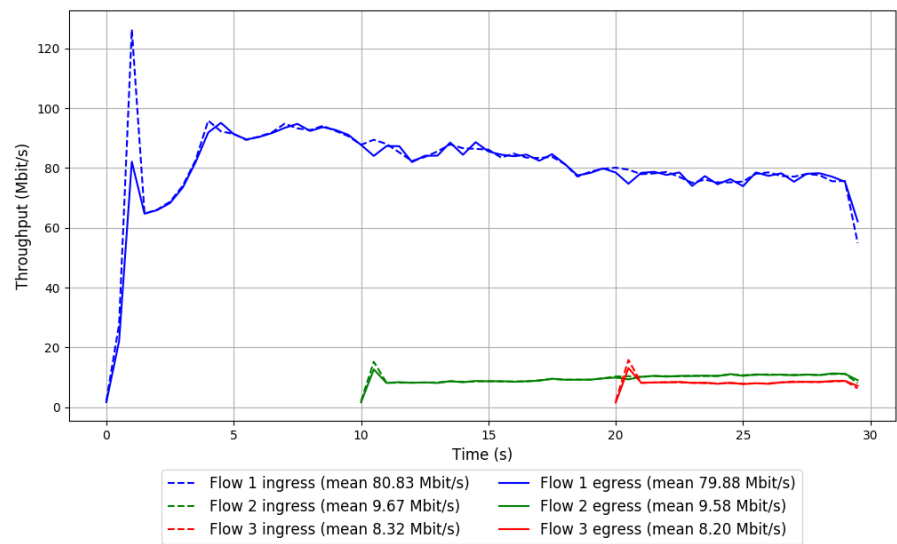


Run 10: Statistics of PCC

Start at: 2018-01-26 17:24:46
End at: 2018-01-26 17:25:16
Local clock offset: 1.347 ms
Remote clock offset: -6.207 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.96 Mbit/s
95th percentile per-packet one-way delay: 59.528 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 79.88 Mbit/s
95th percentile per-packet one-way delay: 59.473 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 59.561 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 60.363 ms
Loss rate: 1.44%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

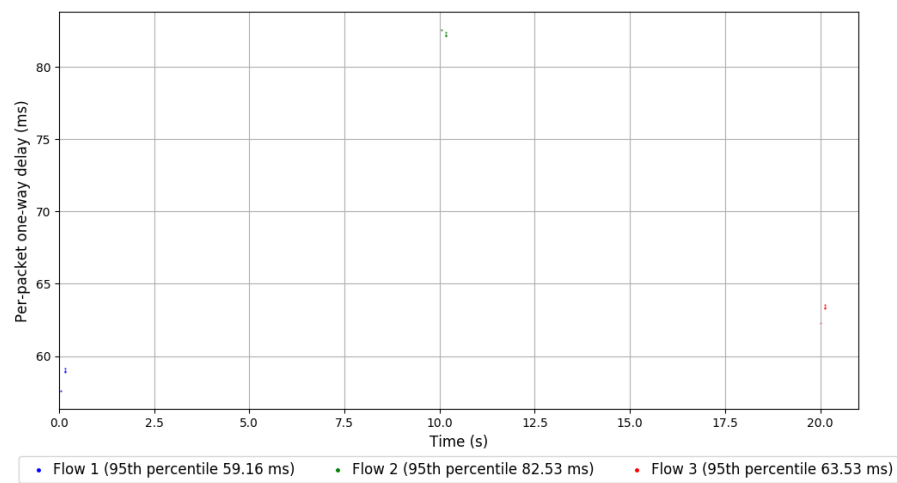
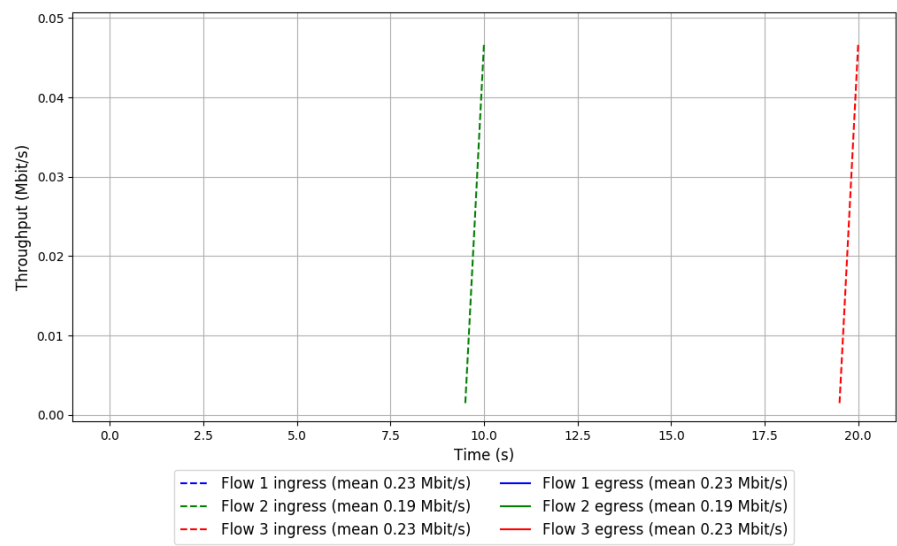
Start at: 2018-01-26 14:14:36

End at: 2018-01-26 14:15:07

Local clock offset: 2.211 ms

Remote clock offset: -4.274 ms

Run 1: Report of QUIC Cubic — Data Link

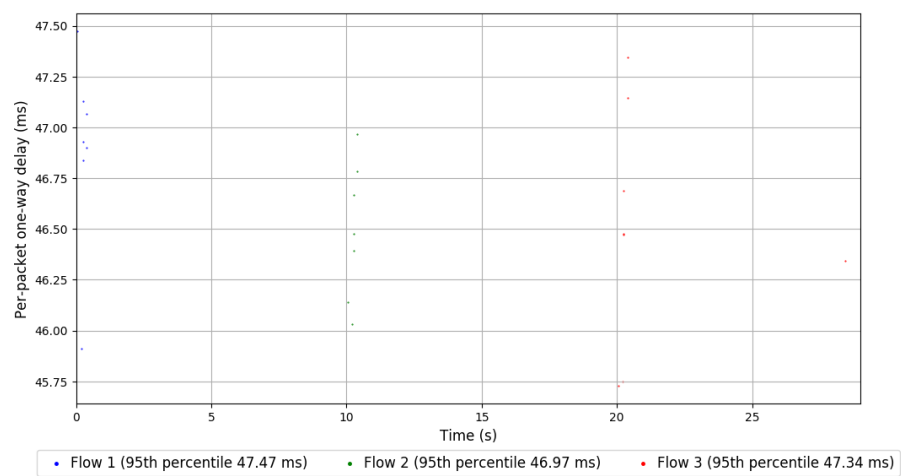
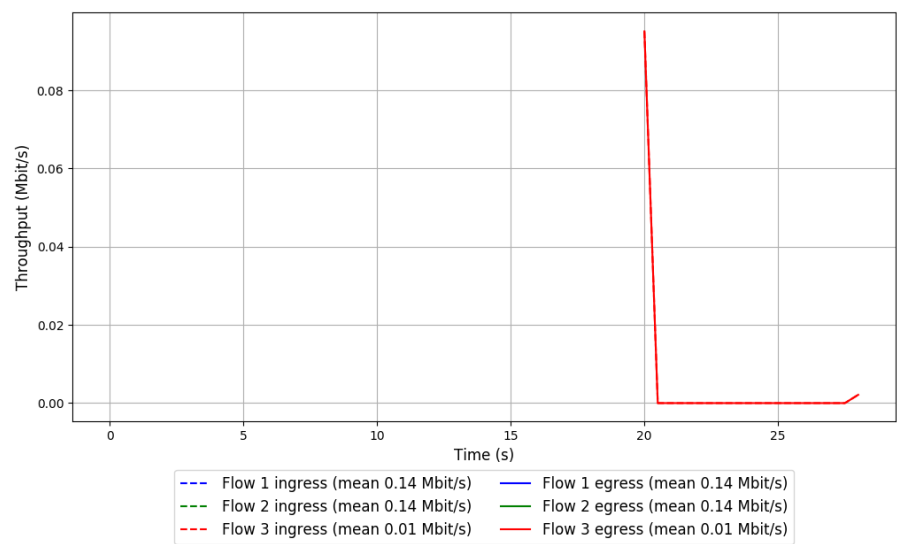


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-26 14:35:58
End at: 2018-01-26 14:36:28
Local clock offset: 3.041 ms
Remote clock offset: -4.207 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 47.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 47.472 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 46.965 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 47.343 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

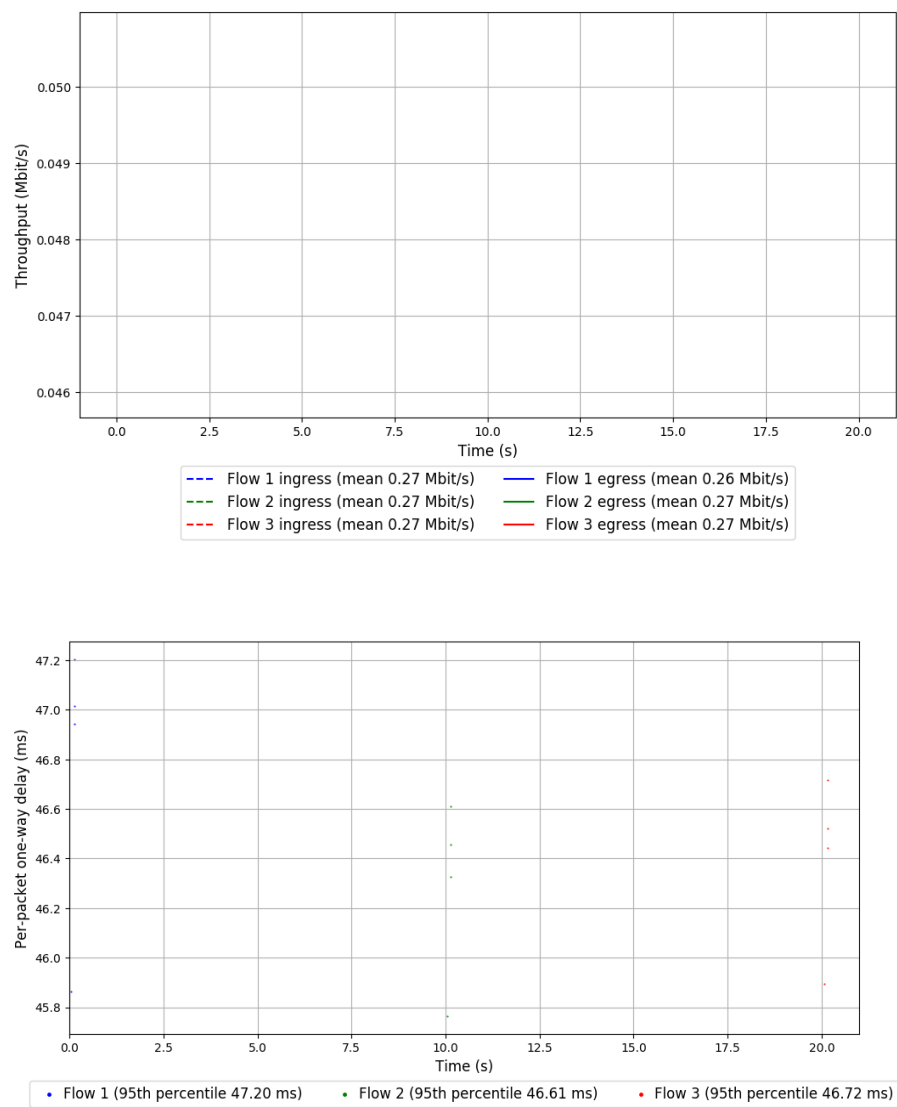
Start at: 2018-01-26 14:56:01

End at: 2018-01-26 14:56:31

Local clock offset: 3.582 ms

Remote clock offset: -4.243 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

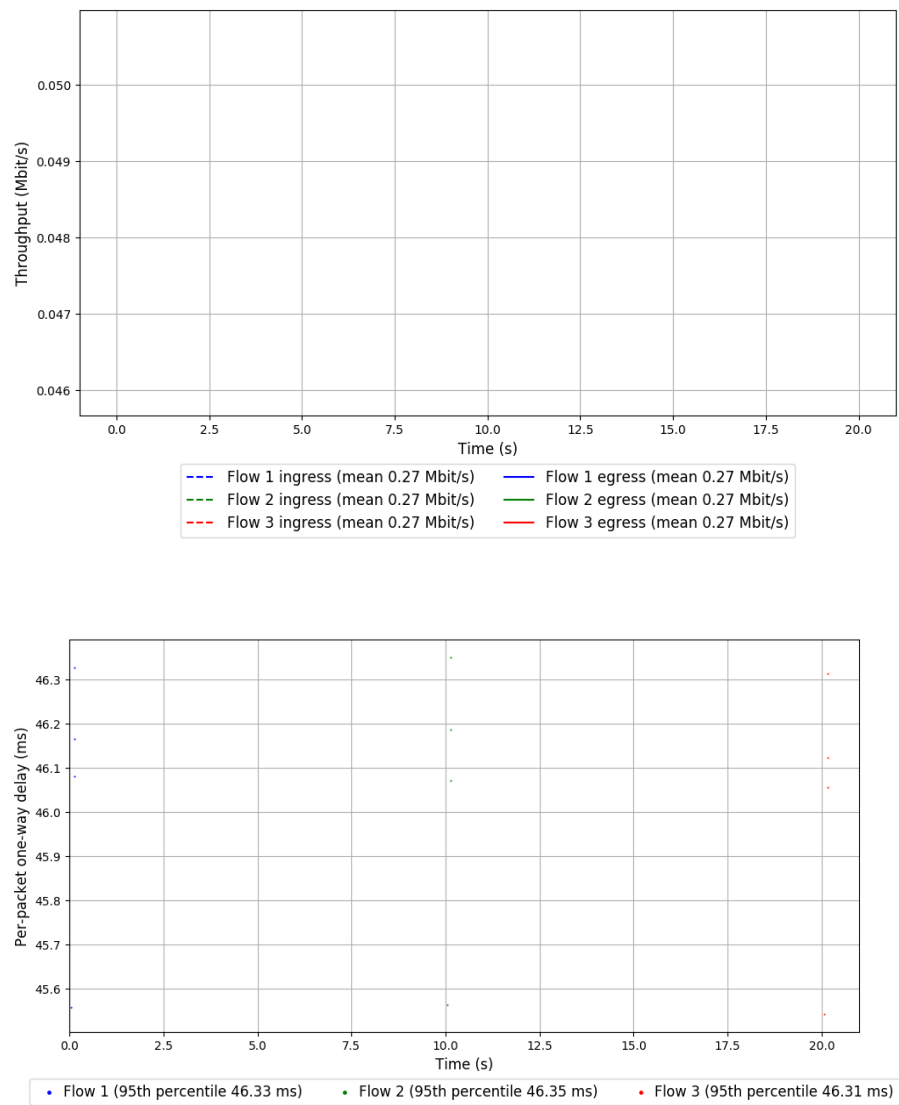
Start at: 2018-01-26 15:21:24

End at: 2018-01-26 15:21:54

Local clock offset: 3.909 ms

Remote clock offset: -3.986 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

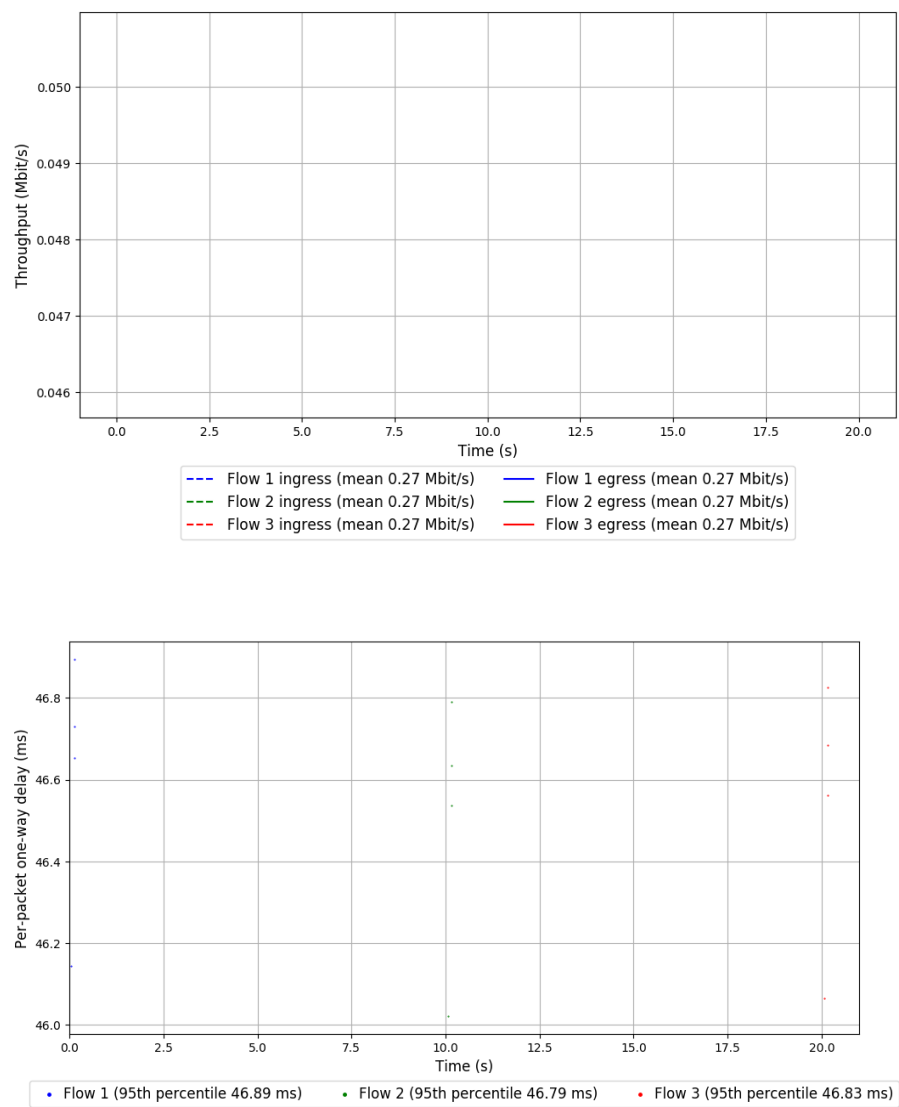
Start at: 2018-01-26 15:41:16

End at: 2018-01-26 15:41:46

Local clock offset: 2.791 ms

Remote clock offset: -3.896 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

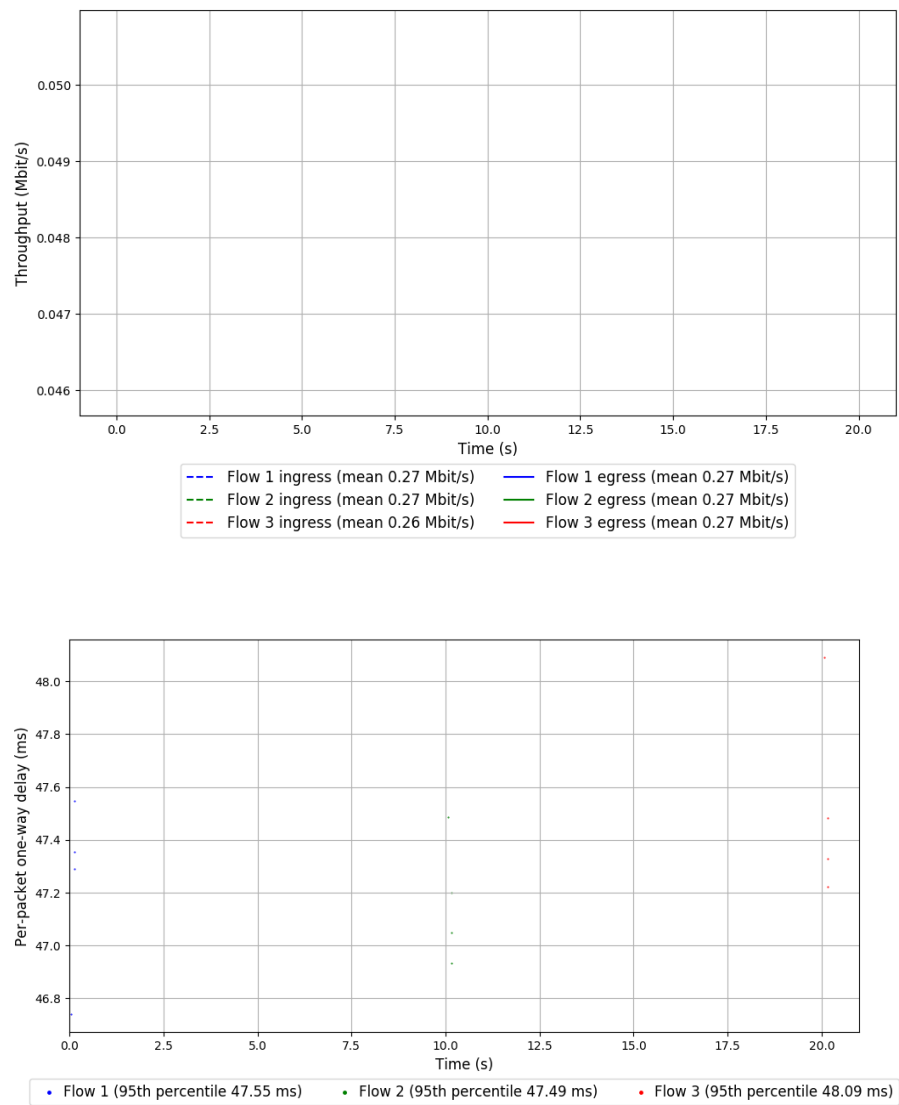
Start at: 2018-01-26 16:01:14

End at: 2018-01-26 16:01:44

Local clock offset: 1.992 ms

Remote clock offset: -4.018 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

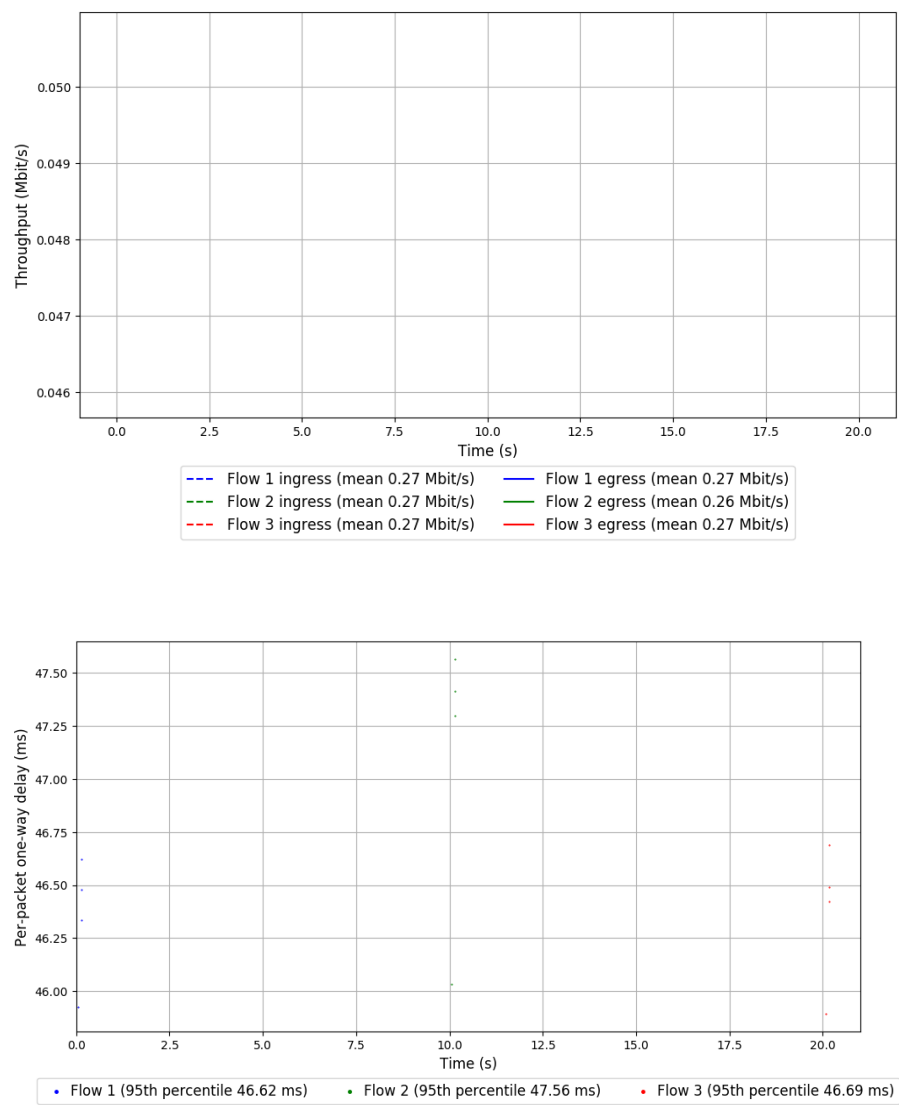
Start at: 2018-01-26 16:21:13

End at: 2018-01-26 16:21:43

Local clock offset: 2.478 ms

Remote clock offset: -4.703 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

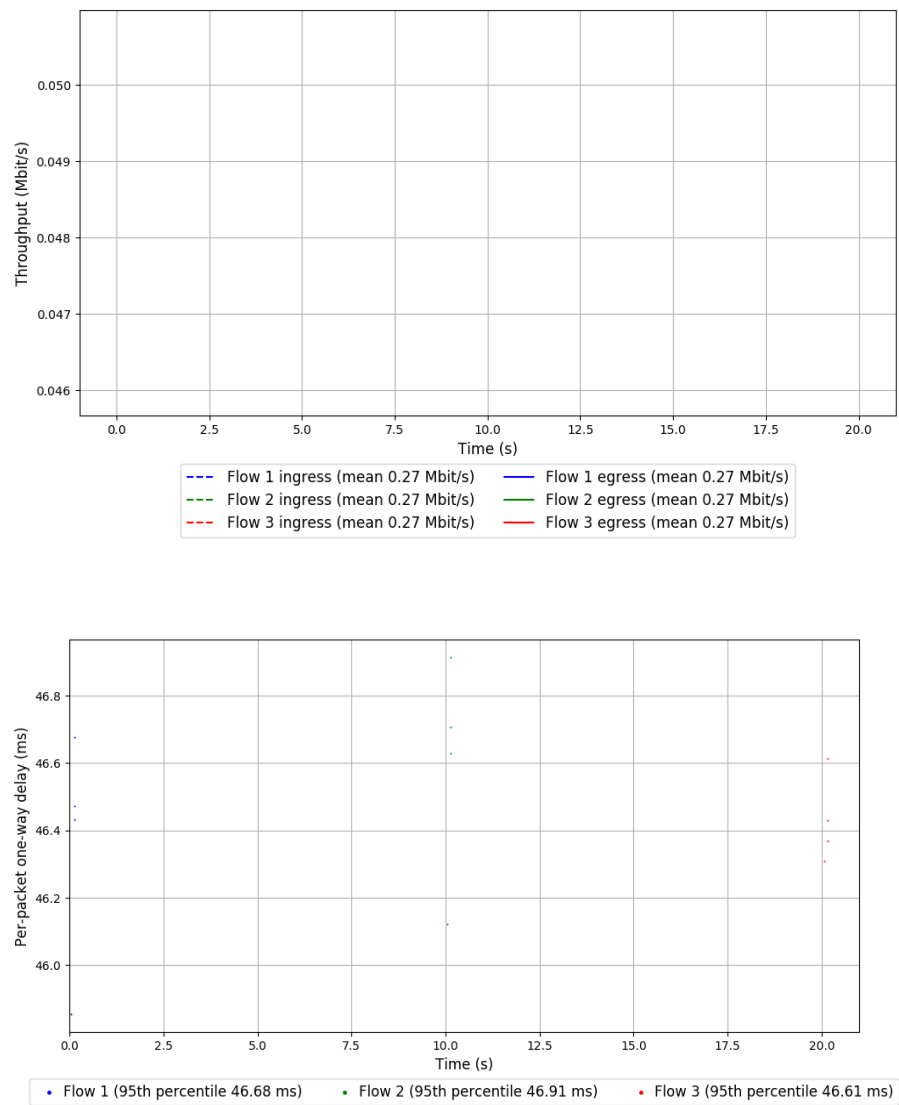
Start at: 2018-01-26 16:41:05

End at: 2018-01-26 16:41:35

Local clock offset: 2.125 ms

Remote clock offset: -5.219 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

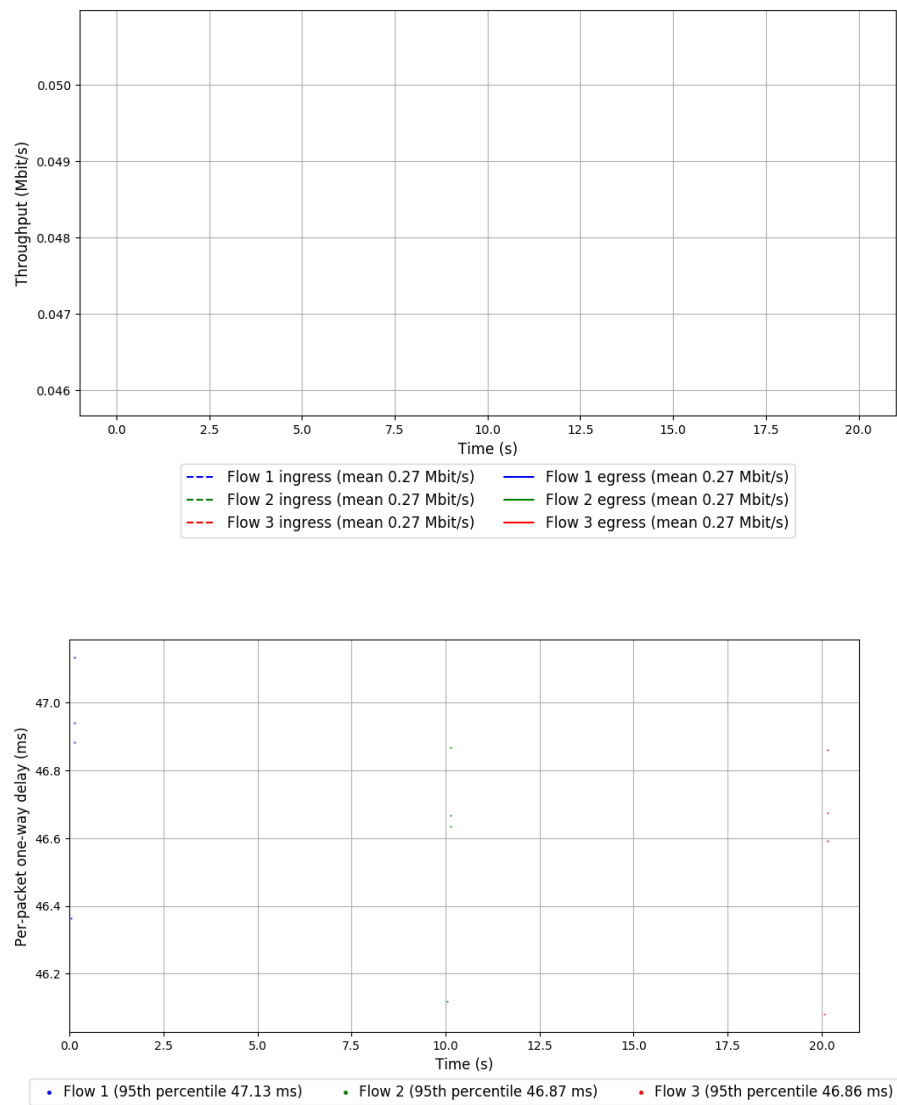
Start at: 2018-01-26 17:01:09

End at: 2018-01-26 17:01:39

Local clock offset: 1.471 ms

Remote clock offset: -5.671 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

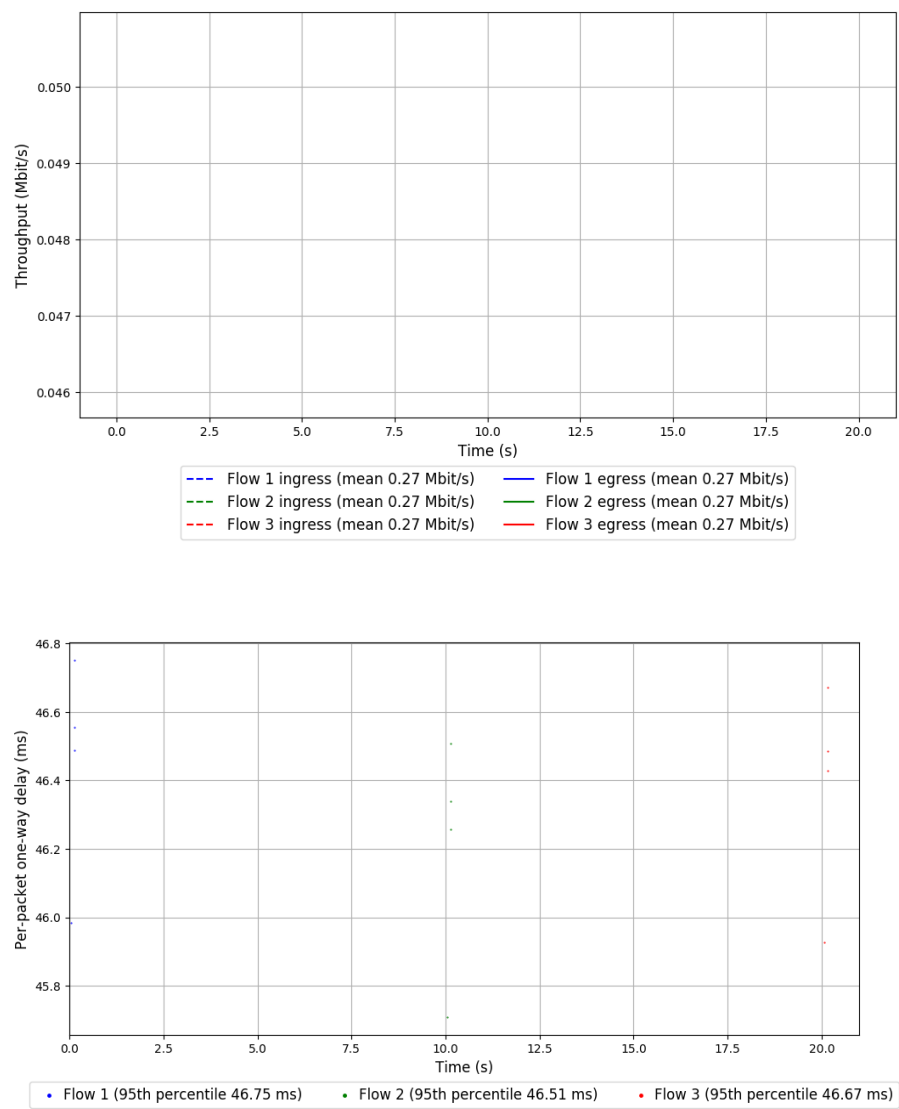
Start at: 2018-01-26 17:21:07

End at: 2018-01-26 17:21:37

Local clock offset: 1.556 ms

Remote clock offset: -6.081 ms

Run 10: Report of QUIC Cubic — Data Link

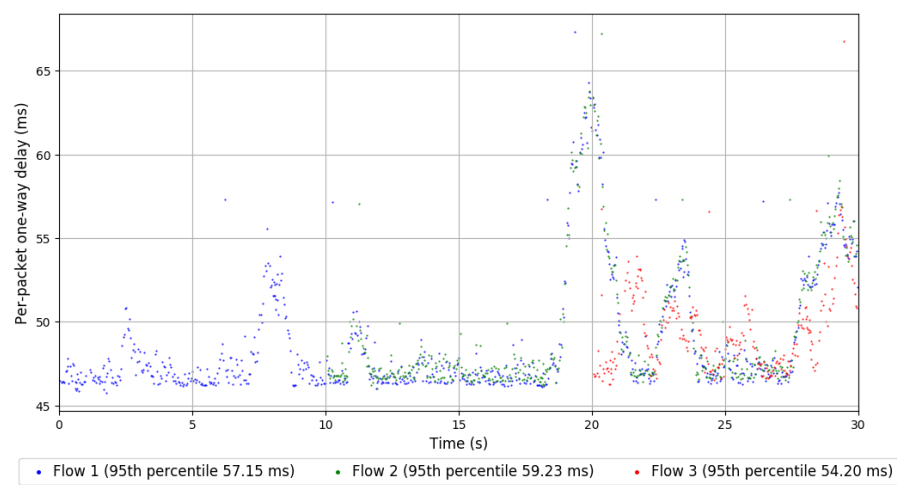
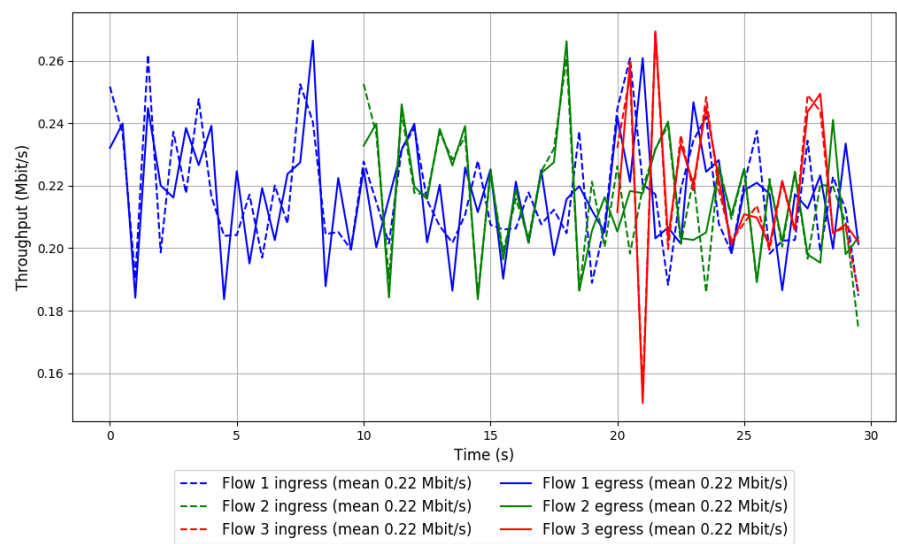


```
Run 1: Statistics of SReAM

Start at: 2018-01-26 14:21:28
End at: 2018-01-26 14:21:58
Local clock offset: 2.807 ms
Remote clock offset: -4.272 ms

# Below is generated by plot.py at 2018-01-26 17:56:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 57.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.152 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.235 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.205 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

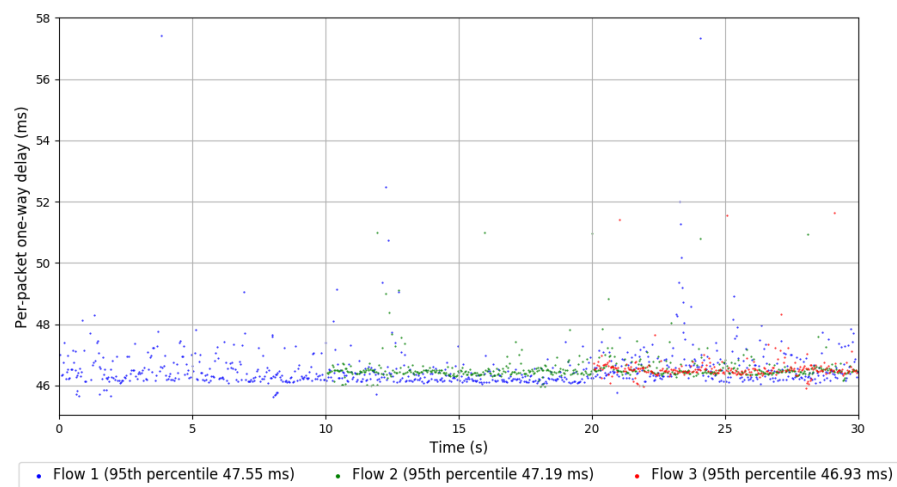
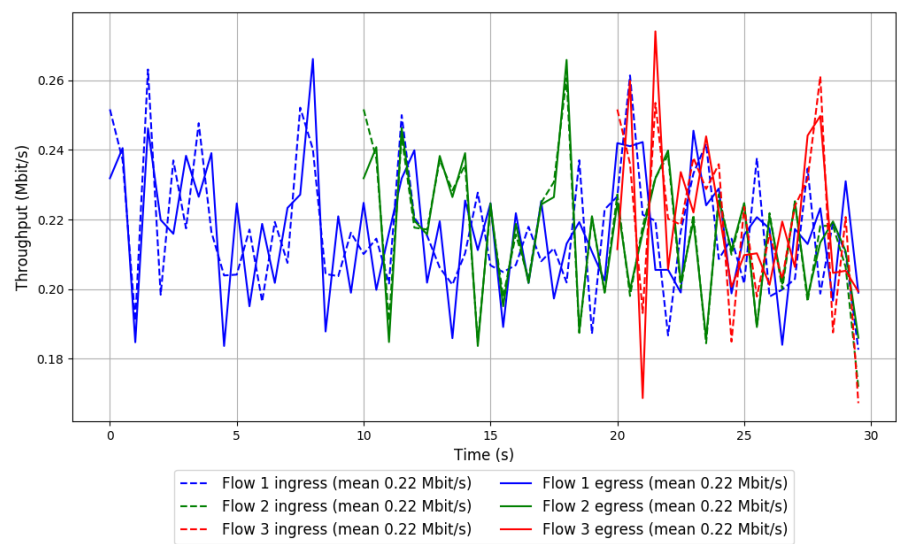


```
Run 2: Statistics of SReAM

Start at: 2018-01-26 14:42:21
End at: 2018-01-26 14:42:51
Local clock offset: 3.688 ms
Remote clock offset: -4.22 ms

# Below is generated by plot.py at 2018-01-26 17:56:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.550 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.929 ms
Loss rate: 0.00%
```


Run 2: Report of SReAM — Data Link

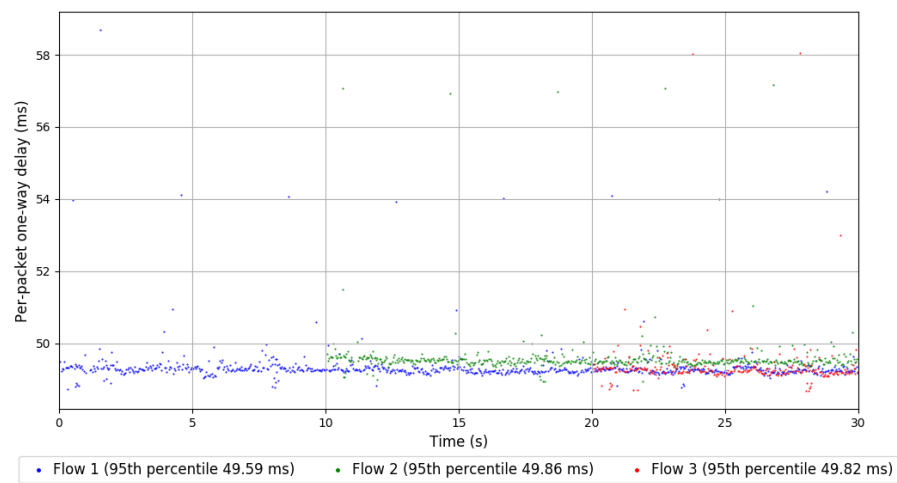
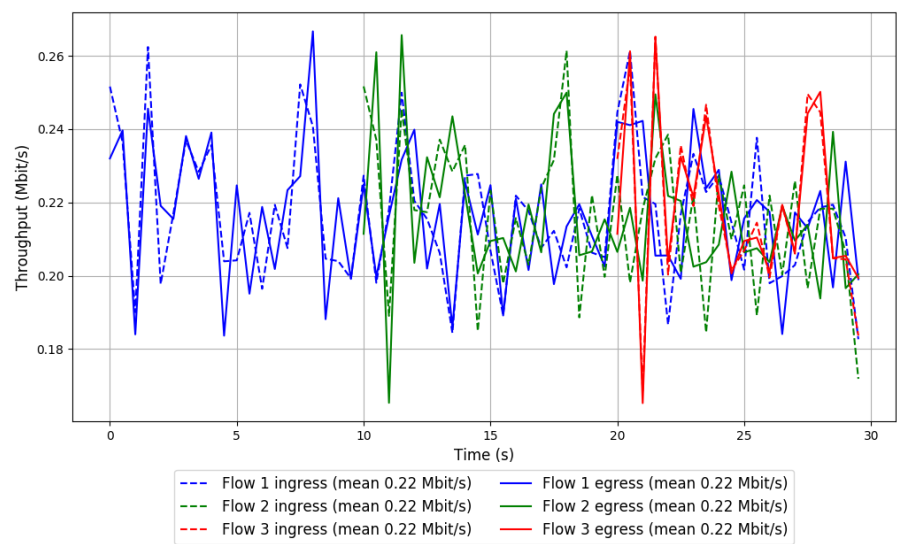


Run 3: Statistics of SReAM

Start at: 2018-01-26 15:03:45
End at: 2018-01-26 15:04:15
Local clock offset: 1.003 ms
Remote clock offset: -4.228 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 49.758 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.591 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.862 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.821 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

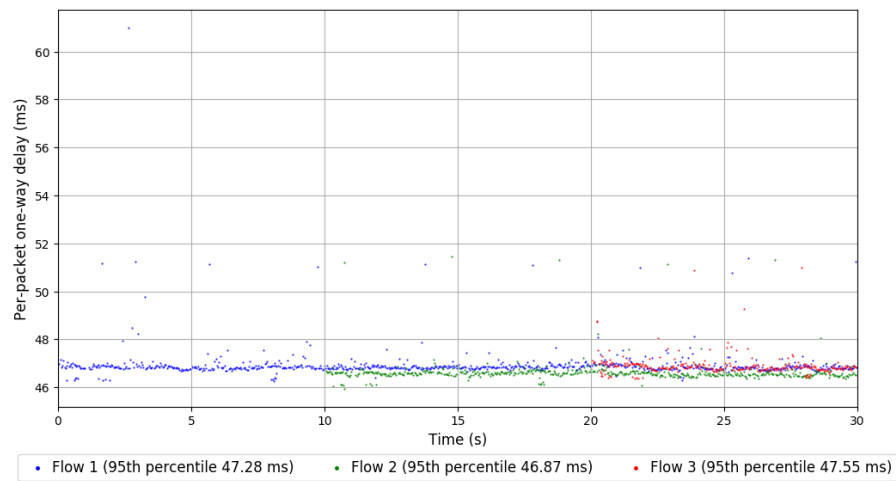
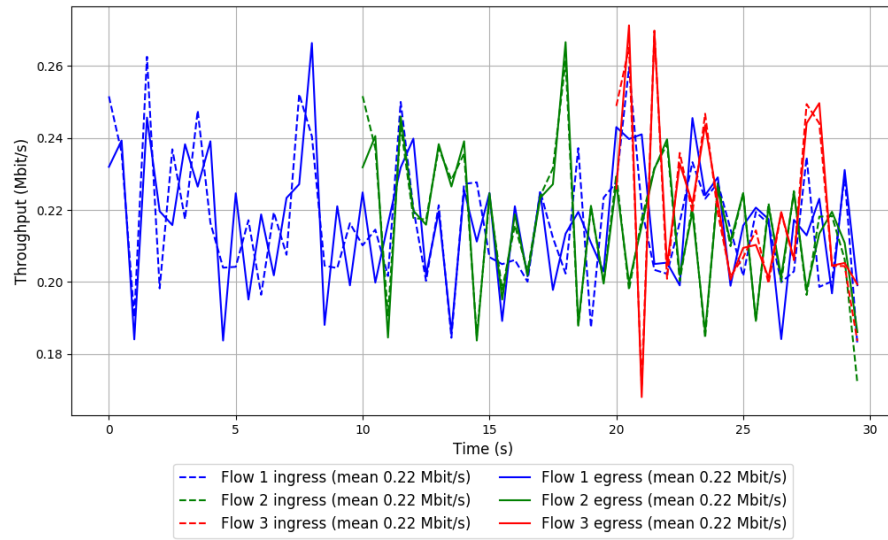


Run 4: Statistics of SReAM

Start at: 2018-01-26 15:27:35
End at: 2018-01-26 15:28:05
Local clock offset: 3.344 ms
Remote clock offset: -3.958 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.282 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.868 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.552 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

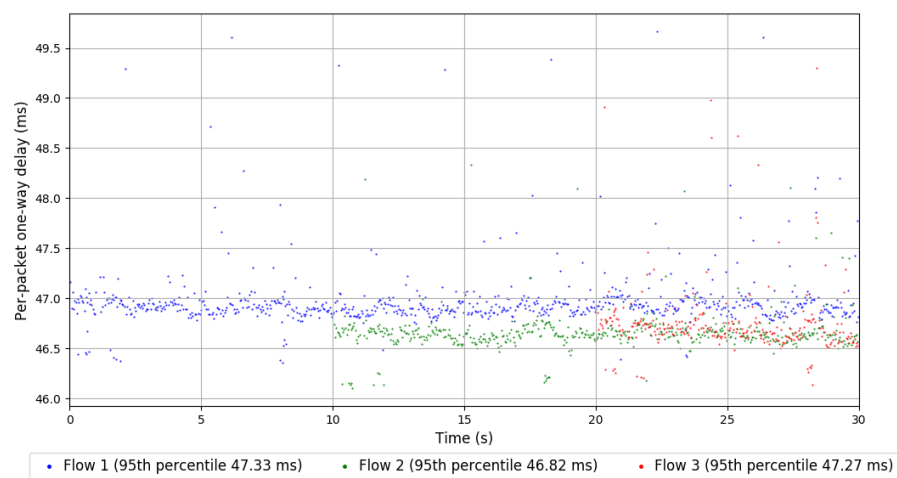
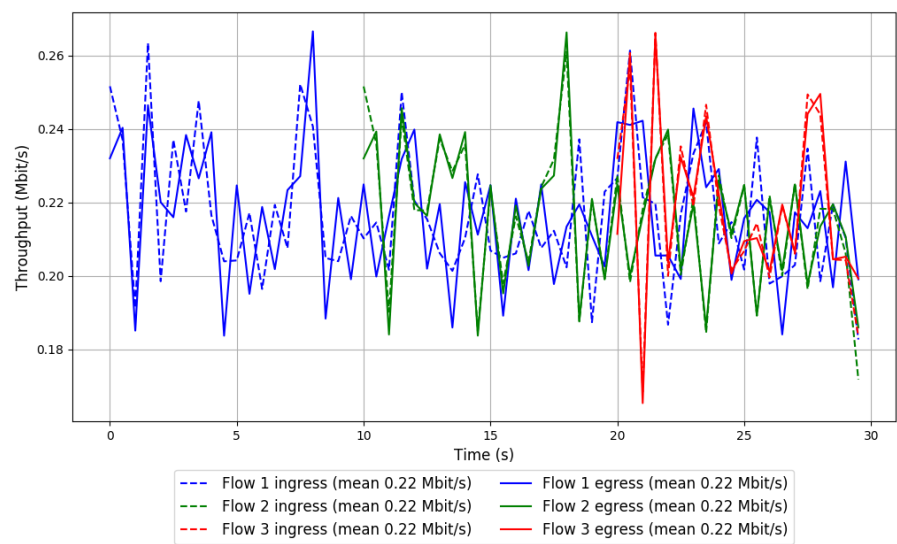


Run 5: Statistics of SReAM

Start at: 2018-01-26 15:47:31
End at: 2018-01-26 15:48:01
Local clock offset: 2.663 ms
Remote clock offset: -3.867 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 47.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.327 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.265 ms
Loss rate: 0.00%

Run 5: Report of SCRaM — Data Link

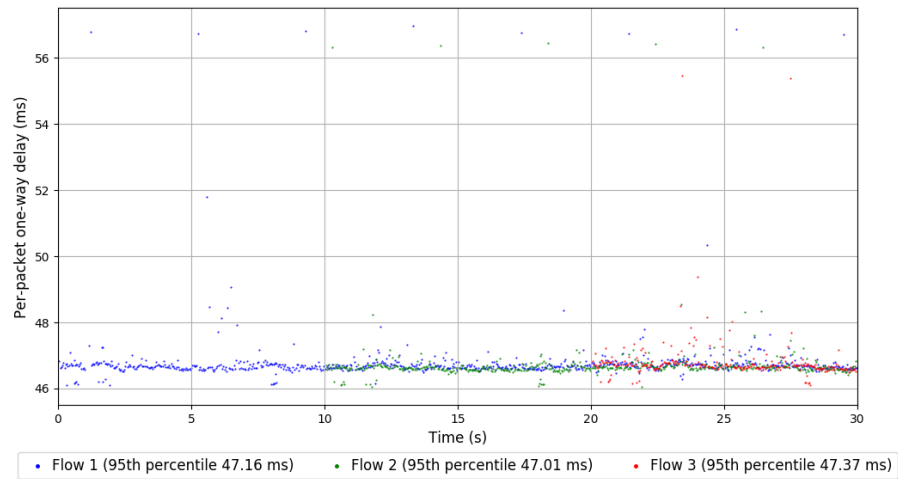
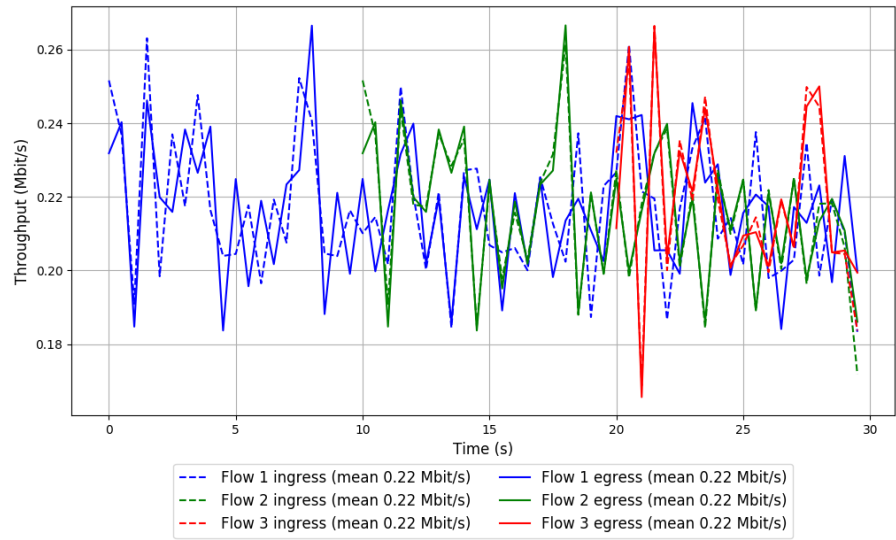


Run 6: Statistics of SReAM

Start at: 2018-01-26 16:07:30
End at: 2018-01-26 16:08:00
Local clock offset: 2.524 ms
Remote clock offset: -4.267 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 47.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.157 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.014 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.371 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

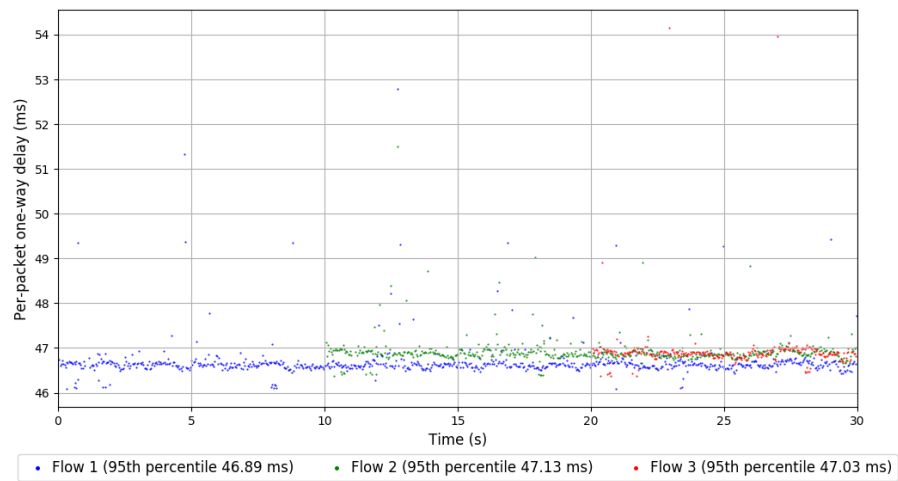
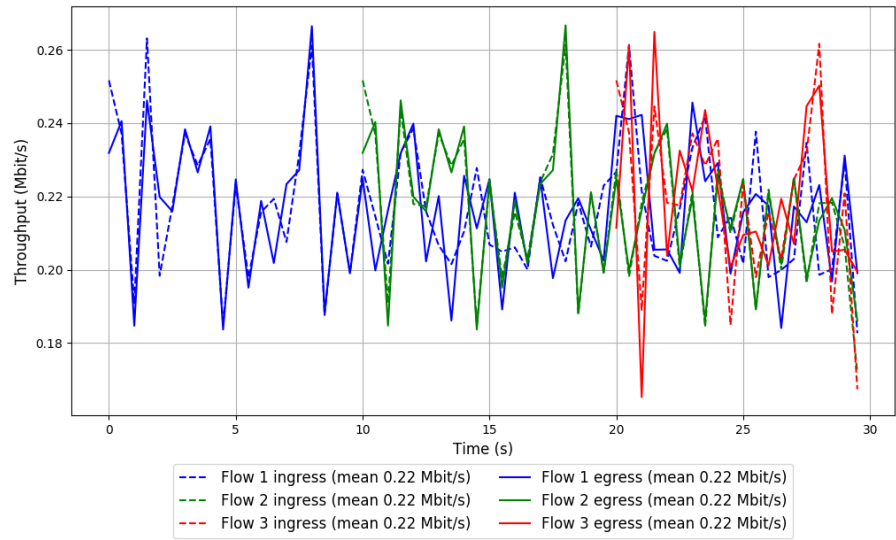


Run 7: Statistics of SReAM

Start at: 2018-01-26 16:27:23
End at: 2018-01-26 16:27:53
Local clock offset: 2.017 ms
Remote clock offset: -4.892 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 47.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.887 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.135 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.032 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

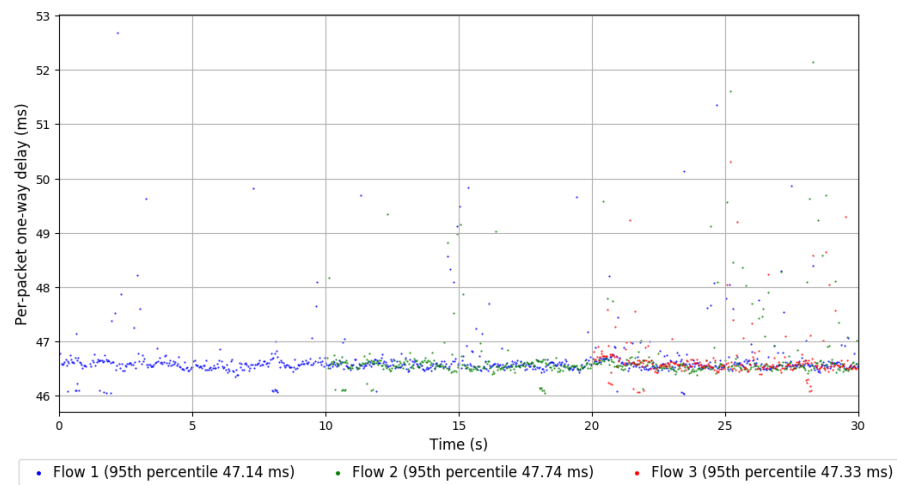
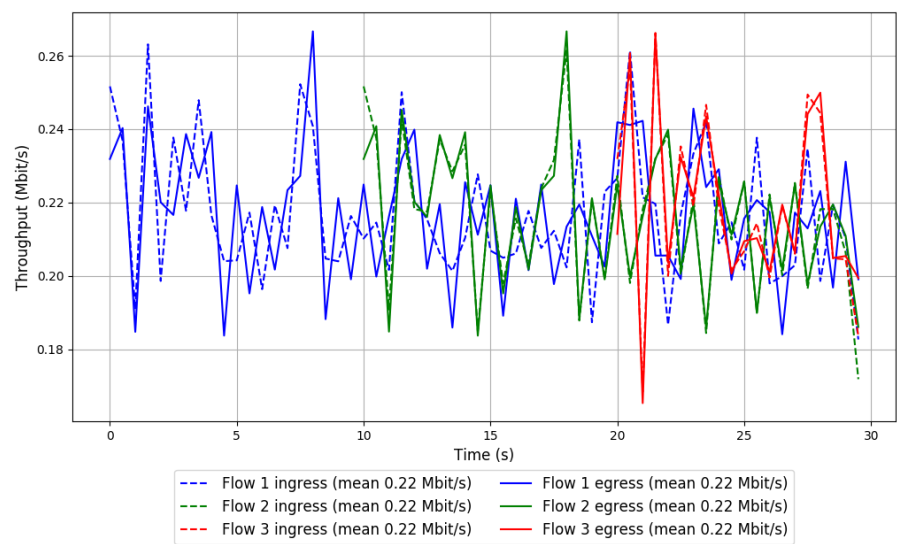


Run 8: Statistics of SReAM

Start at: 2018-01-26 16:47:13
End at: 2018-01-26 16:47:43
Local clock offset: 2.138 ms
Remote clock offset: -5.328 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 47.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.743 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.333 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-01-26 17:07:24

End at: 2018-01-26 17:07:54

Local clock offset: 1.496 ms

Remote clock offset: -5.79 ms

Below is generated by plot.py at 2018-01-26 17:56:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 46.934 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 46.821 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 46.982 ms

Loss rate: 0.00%

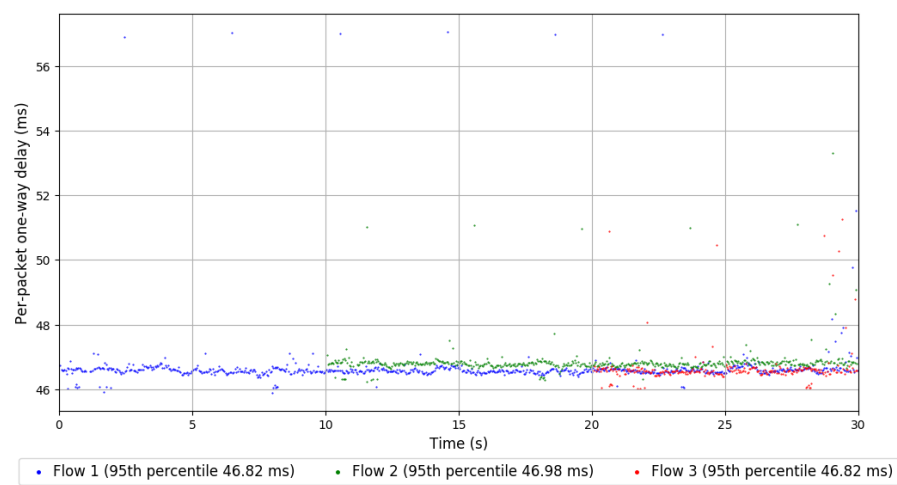
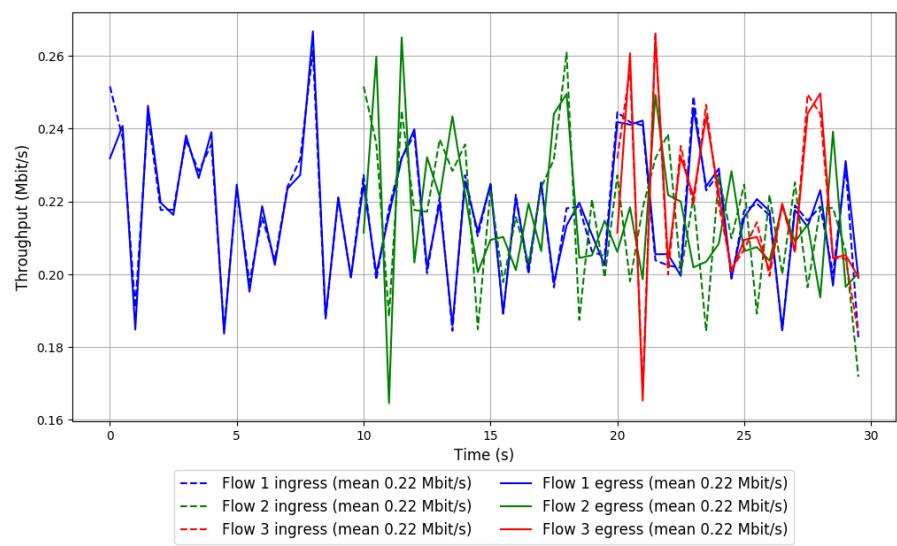
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 46.819 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

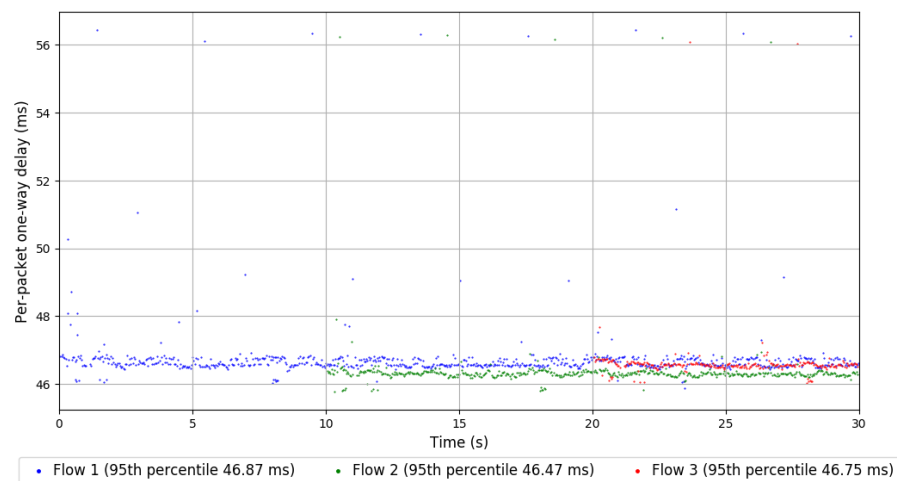
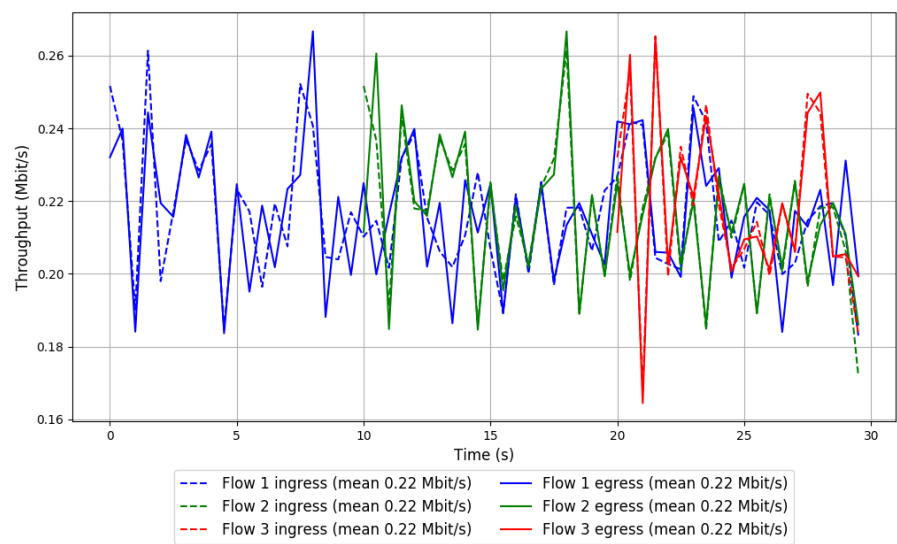


Run 10: Statistics of SReAM

Start at: 2018-01-26 17:27:16
End at: 2018-01-26 17:27:46
Local clock offset: 1.515 ms
Remote clock offset: -6.361 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 46.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.750 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

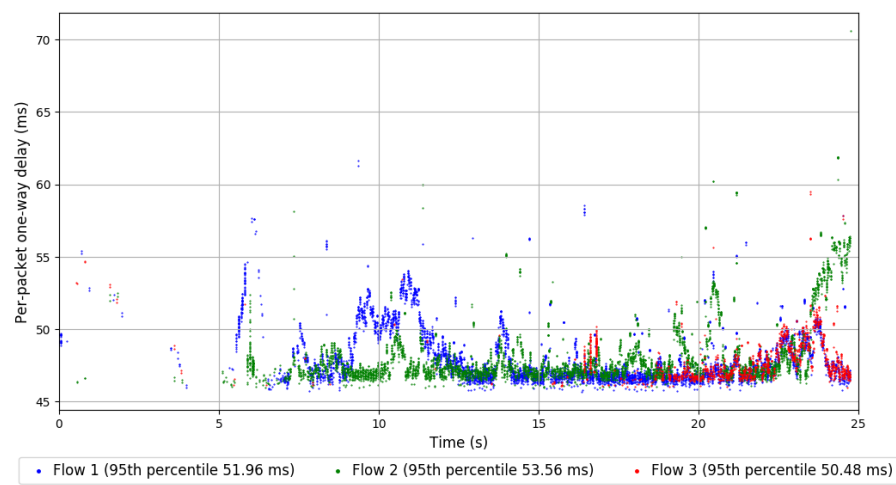
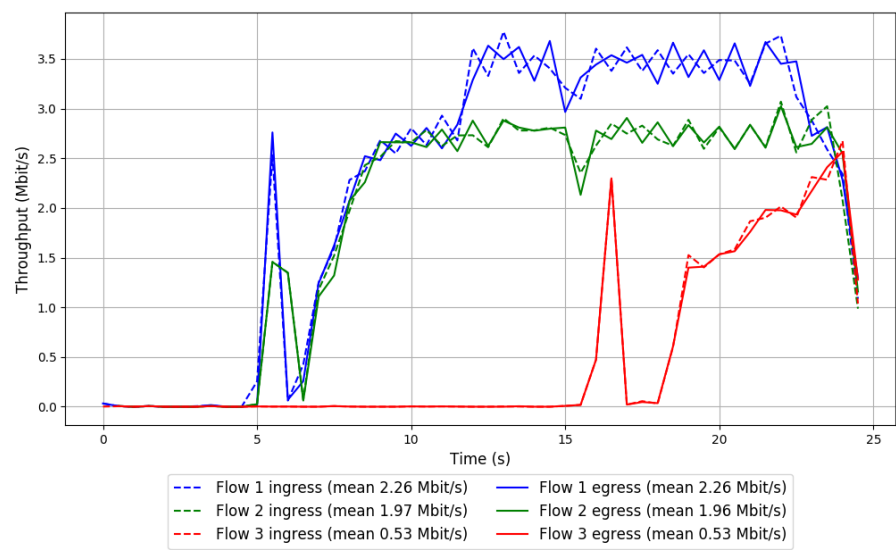


Run 1: Statistics of WebRTC media

Start at: 2018-01-26 14:15:47
End at: 2018-01-26 14:16:17
Local clock offset: 2.537 ms
Remote clock offset: -4.284 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 52.425 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 51.964 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.560 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 50.480 ms
Loss rate: 0.22%

Run 1: Report of WebRTC media — Data Link

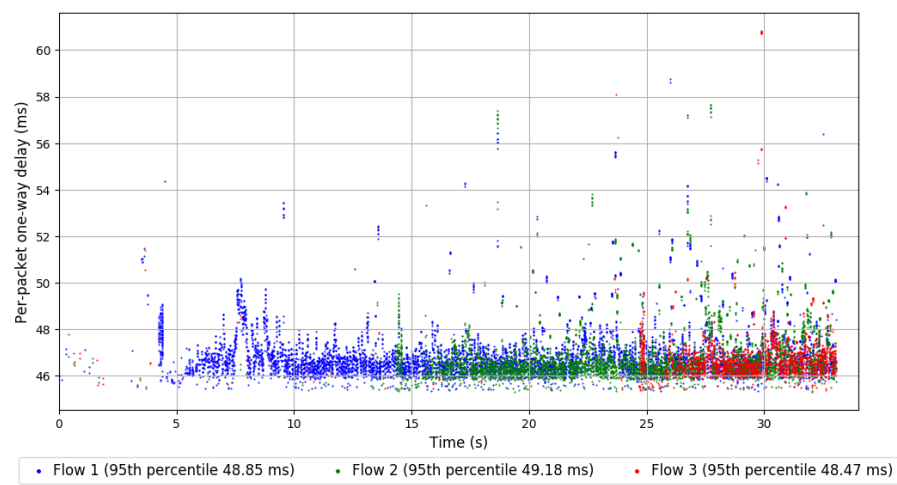
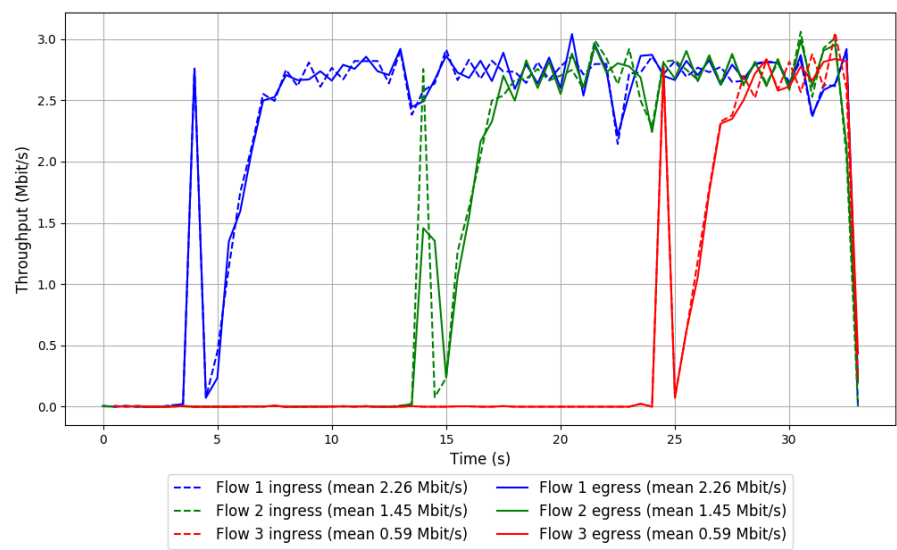


Run 2: Statistics of WebRTC media

Start at: 2018-01-26 14:37:16
End at: 2018-01-26 14:37:46
Local clock offset: 3.381 ms
Remote clock offset: -4.234 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 48.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 48.853 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 49.179 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 48.467 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

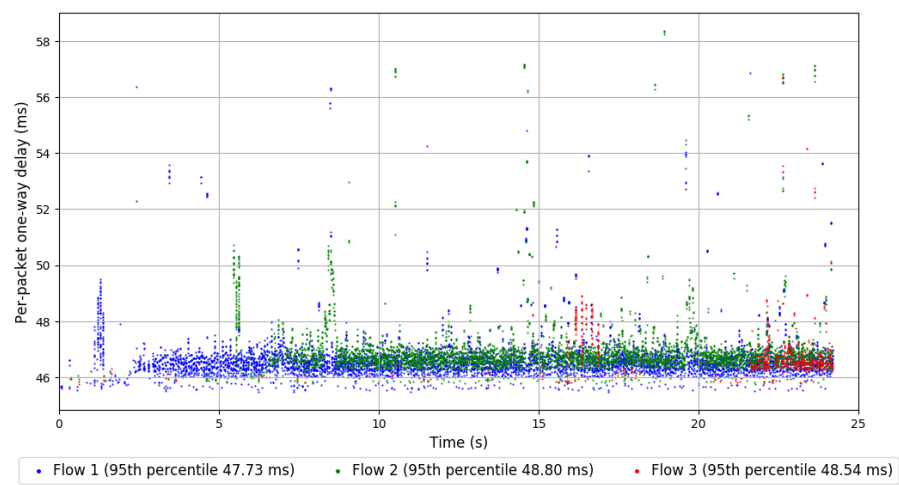
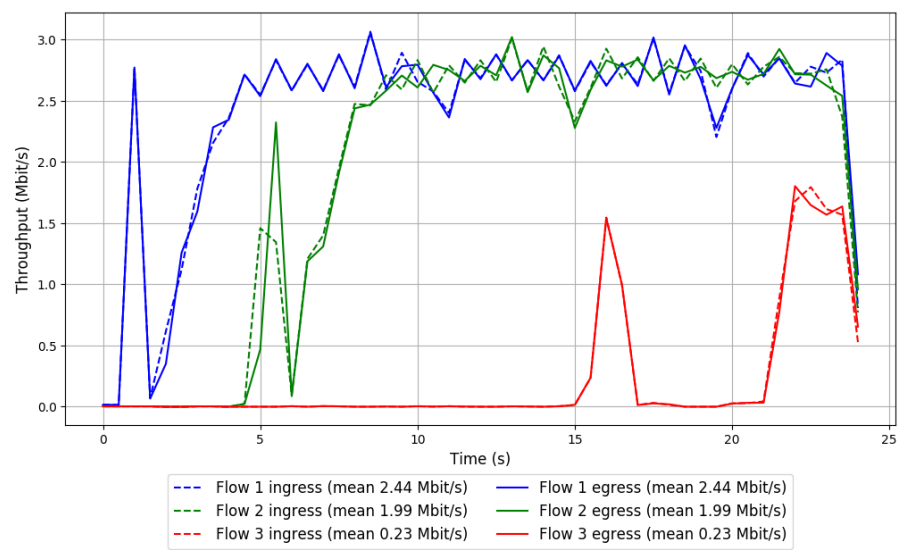


Run 3: Statistics of WebRTC media

Start at: 2018-01-26 14:57:11
End at: 2018-01-26 14:57:41
Local clock offset: 3.89 ms
Remote clock offset: -4.242 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 48.292 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 47.728 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 48.801 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 48.540 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

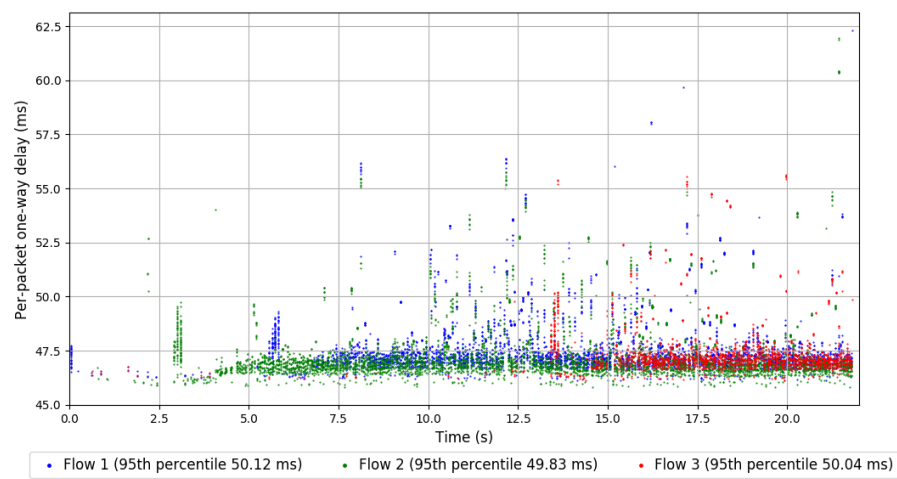
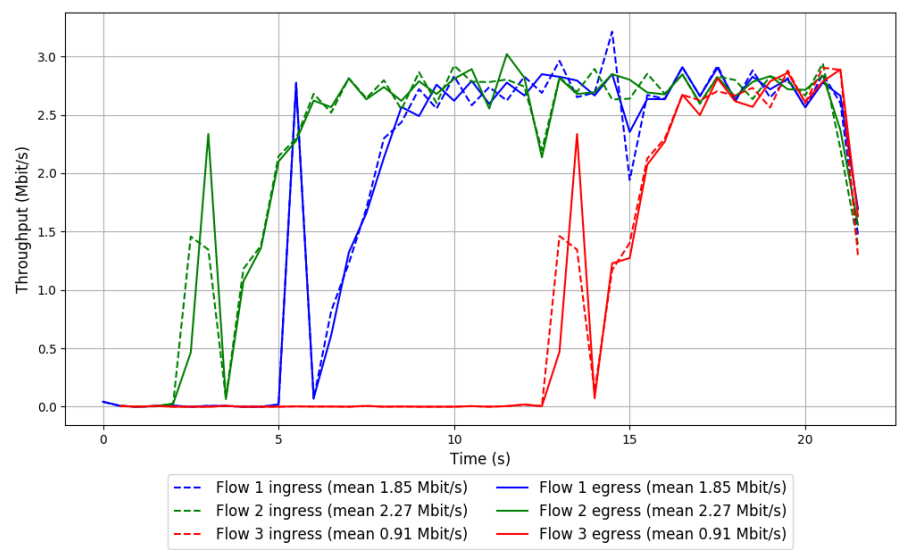
Start at: 2018-01-26 15:22:34

End at: 2018-01-26 15:23:04

Local clock offset: 3.509 ms

Remote clock offset: -3.932 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

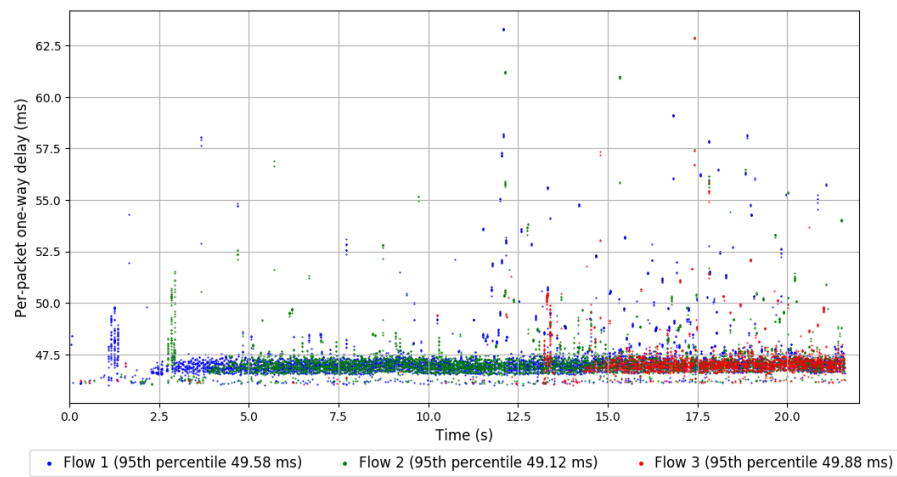
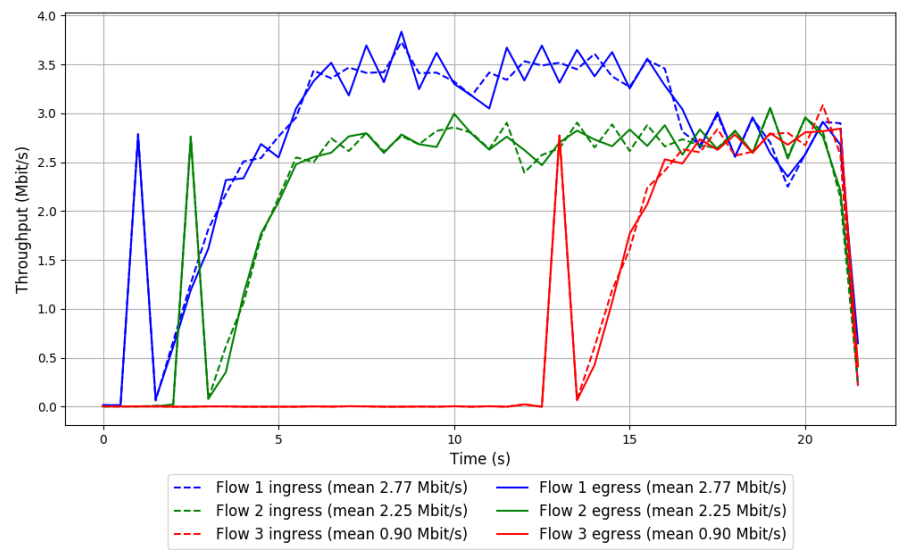
Start at: 2018-01-26 15:42:26

End at: 2018-01-26 15:42:56

Local clock offset: 2.925 ms

Remote clock offset: -3.901 ms

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

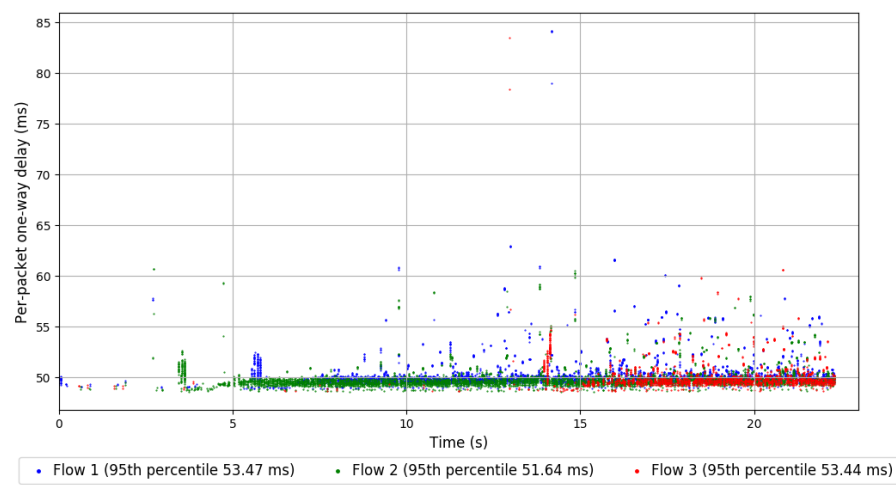
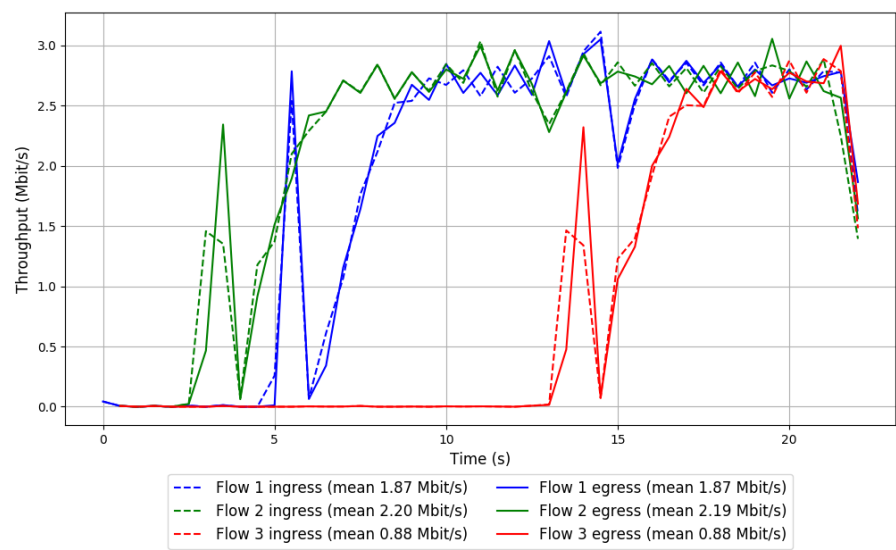
Start at: 2018-01-26 16:02:25

End at: 2018-01-26 16:02:55

Local clock offset: -0.38 ms

Remote clock offset: -4.148 ms

Run 6: Report of WebRTC media — Data Link

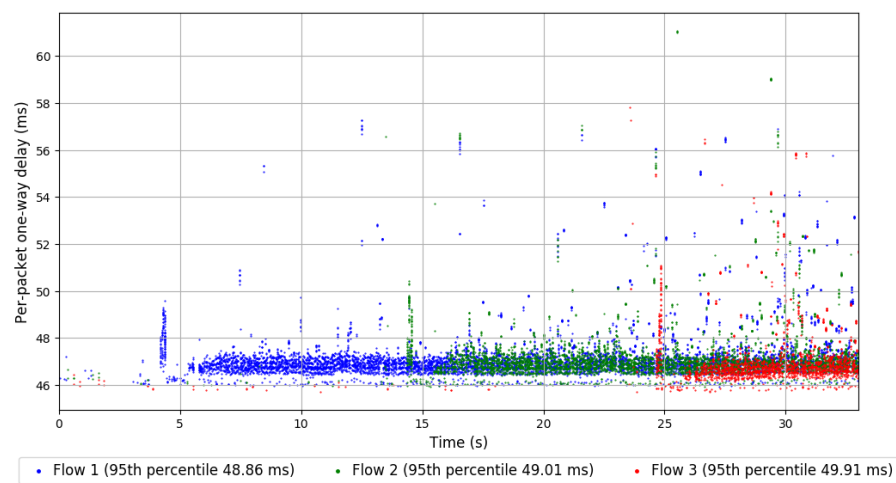
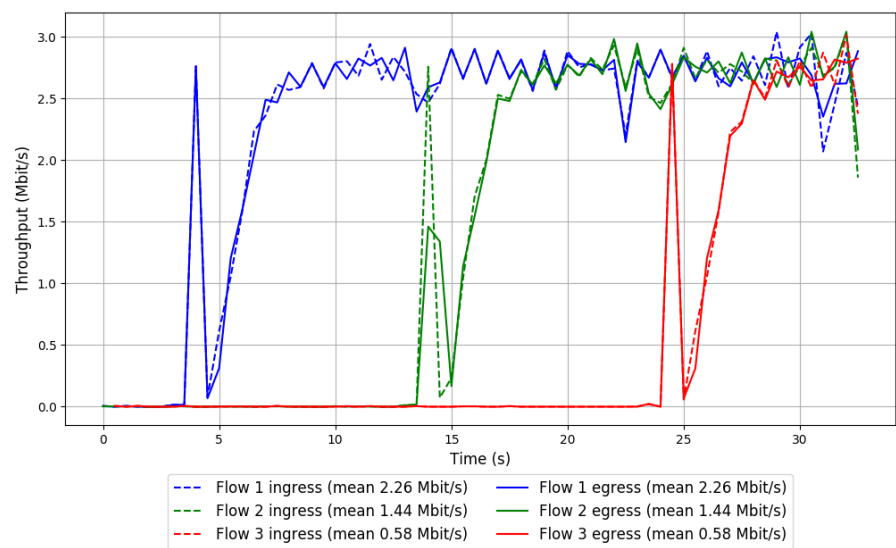


Run 7: Statistics of WebRTC media

Start at: 2018-01-26 16:22:24
End at: 2018-01-26 16:22:54
Local clock offset: 2.305 ms
Remote clock offset: -4.719 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 49.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 48.862 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 49.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 49.911 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

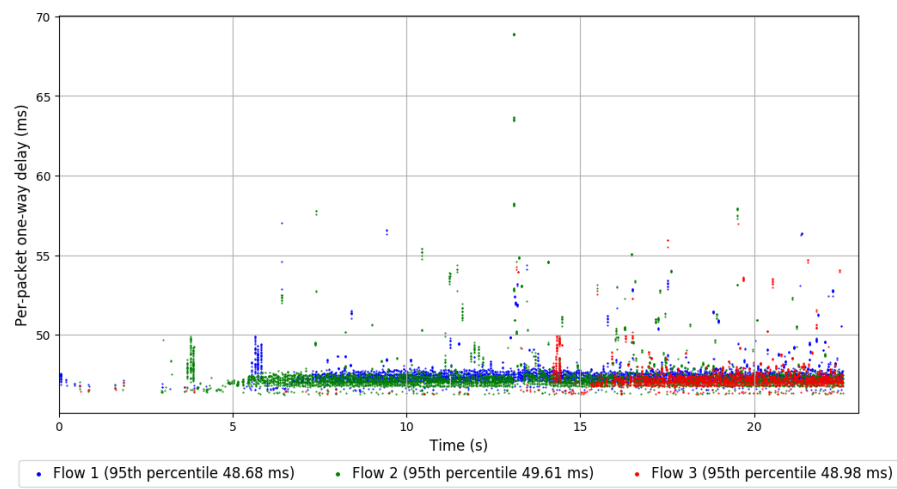
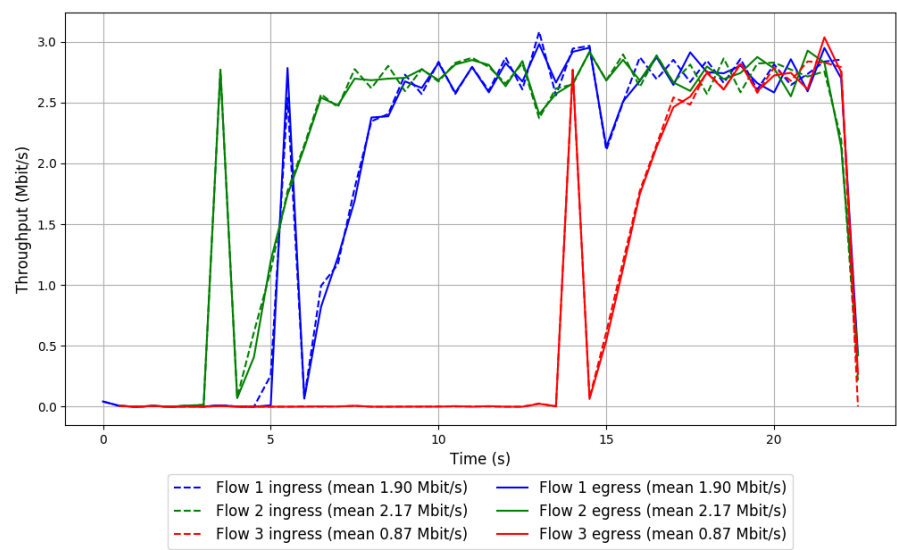
Start at: 2018-01-26 16:42:15

End at: 2018-01-26 16:42:45

Local clock offset: 1.57 ms

Remote clock offset: -5.246 ms

Run 8: Report of WebRTC media — Data Link

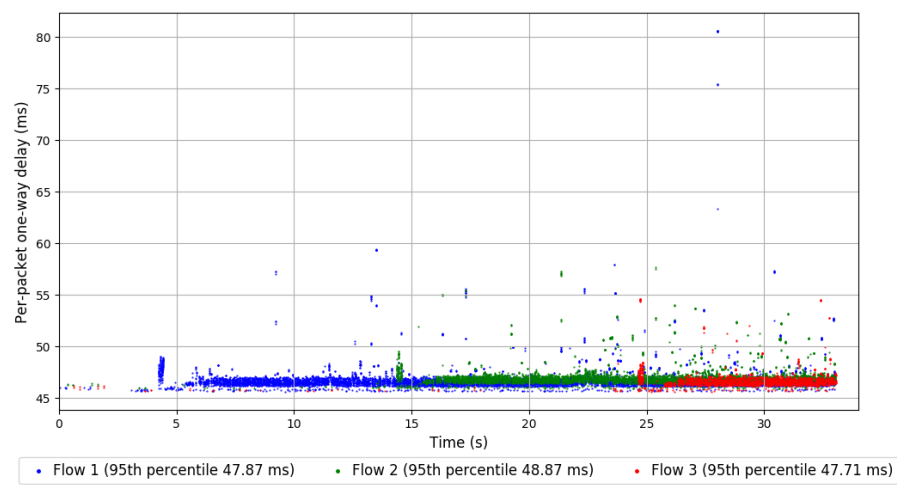
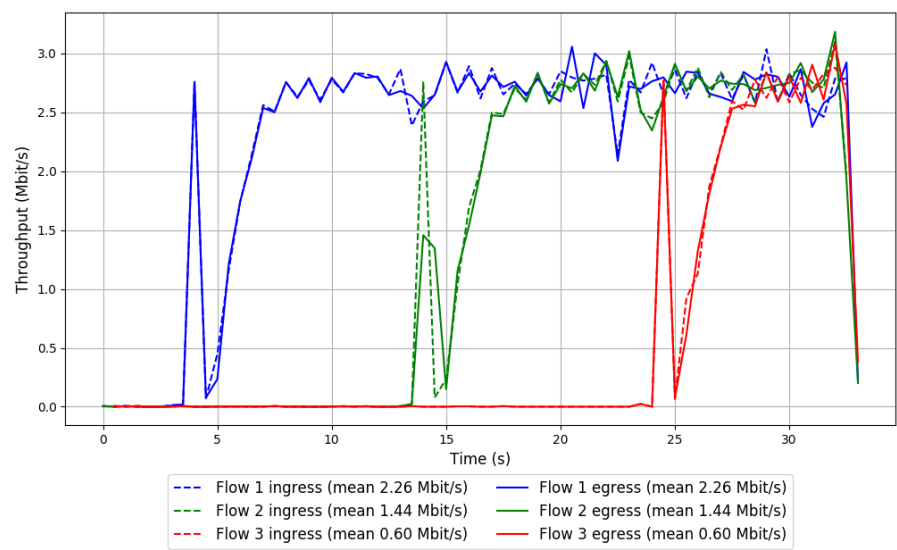


Run 9: Statistics of WebRTC media

Start at: 2018-01-26 17:02:20
End at: 2018-01-26 17:02:50
Local clock offset: 1.794 ms
Remote clock offset: -5.728 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 48.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 47.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 48.868 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 47.714 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-26 17:22:17

End at: 2018-01-26 17:22:47

Local clock offset: 1.245 ms

Remote clock offset: -6.08 ms

Below is generated by plot.py at 2018-01-26 17:56:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 49.068 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 49.104 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 48.868 ms

Loss rate: 0.00%

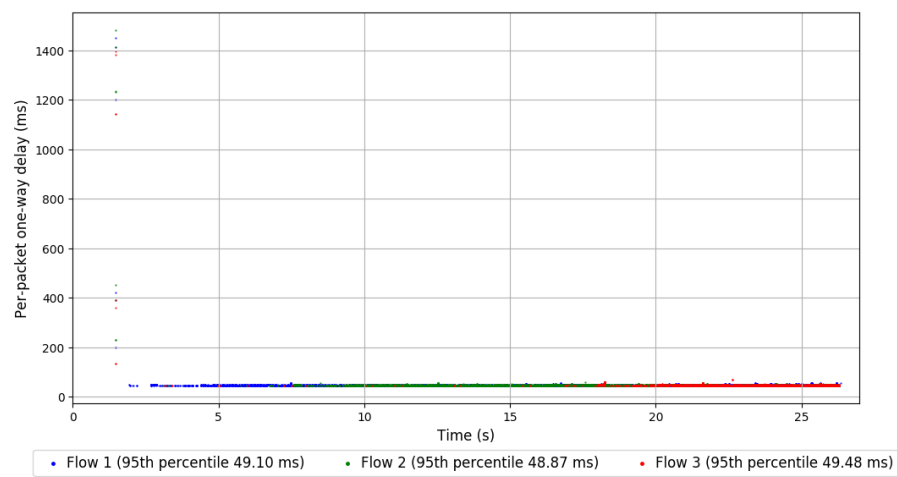
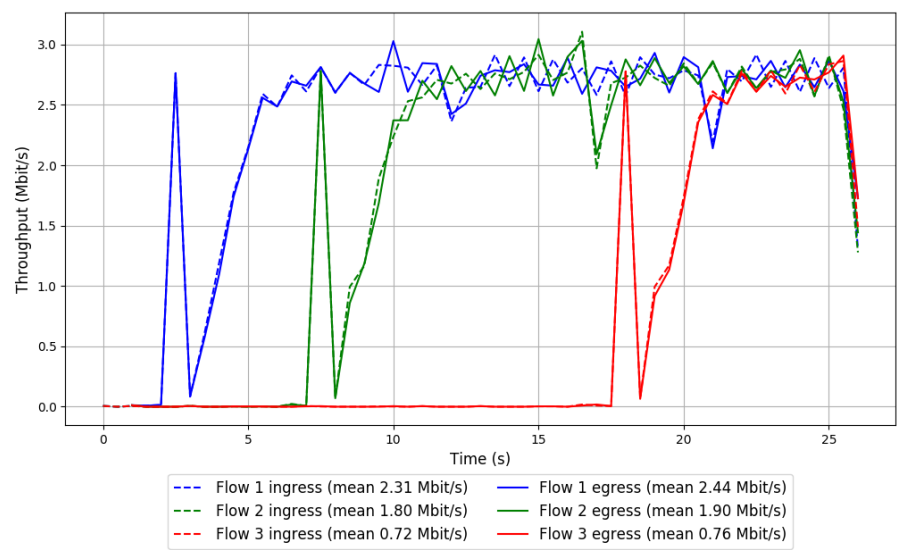
-- Flow 3:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 49.484 ms

Loss rate: 0.05%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-01-26 14:13:25

End at: 2018-01-26 14:13:55

Local clock offset: 2.644 ms

Remote clock offset: -4.26 ms

Below is generated by plot.py at 2018-01-26 17:56:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.31 Mbit/s

95th percentile per-packet one-way delay: 51.981 ms

Loss rate: 3.25%

-- Flow 1:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 51.930 ms

Loss rate: 3.16%

-- Flow 2:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 51.998 ms

Loss rate: 2.91%

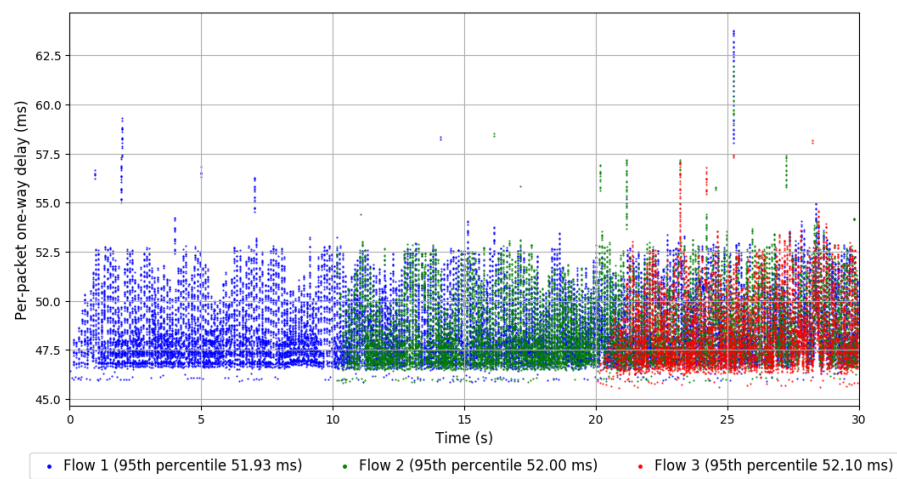
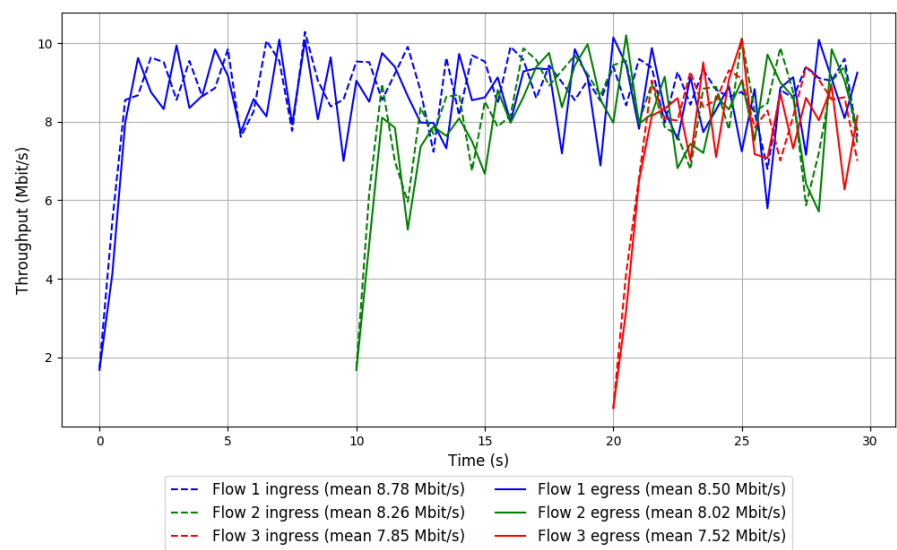
-- Flow 3:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 52.097 ms

Loss rate: 4.25%

Run 1: Report of Sprout — Data Link

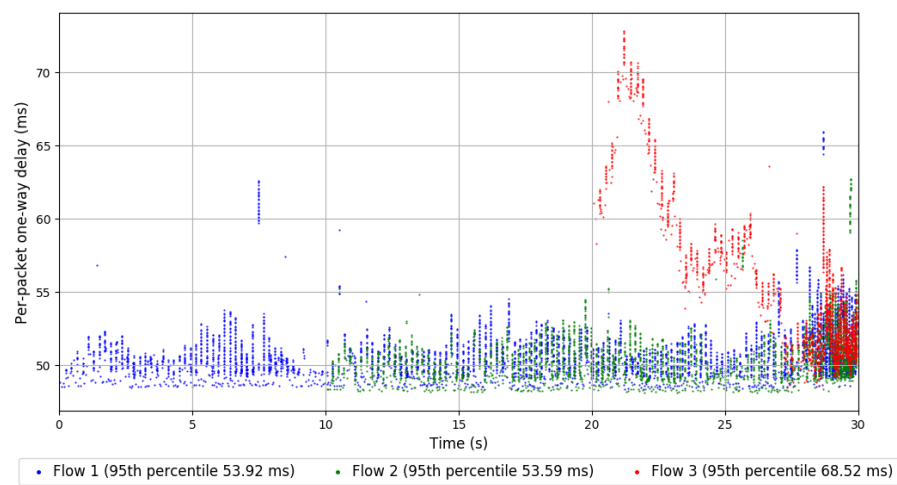
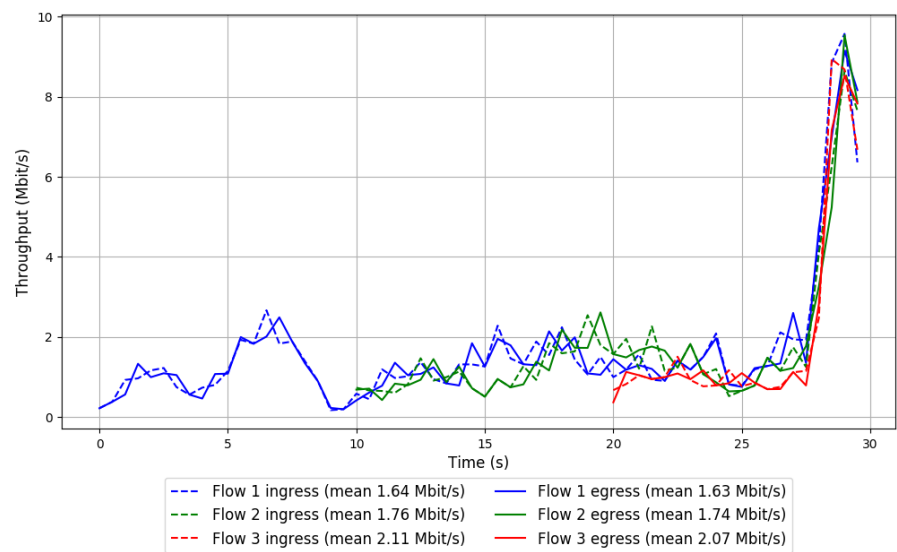


Run 2: Statistics of Sprout

Start at: 2018-01-26 14:34:44
End at: 2018-01-26 14:35:14
Local clock offset: 0.67 ms
Remote clock offset: -4.194 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 58.535 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 53.920 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 53.589 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 68.523 ms
Loss rate: 2.02%

Run 2: Report of Sprout — Data Link

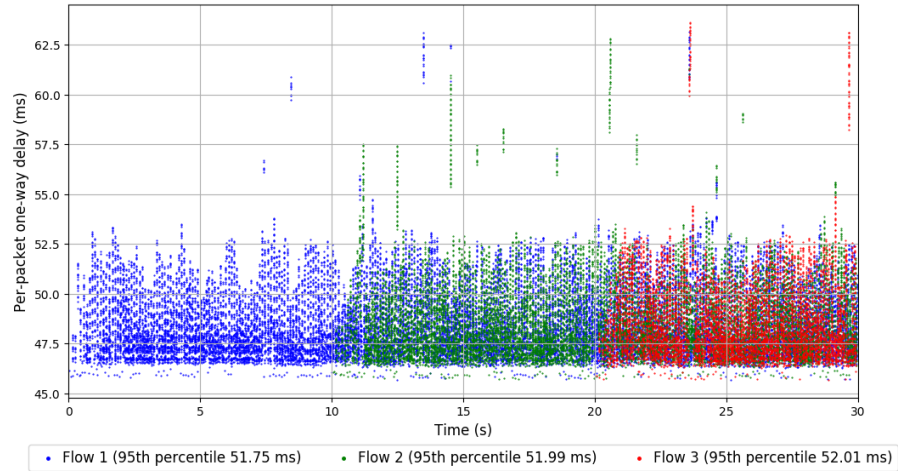
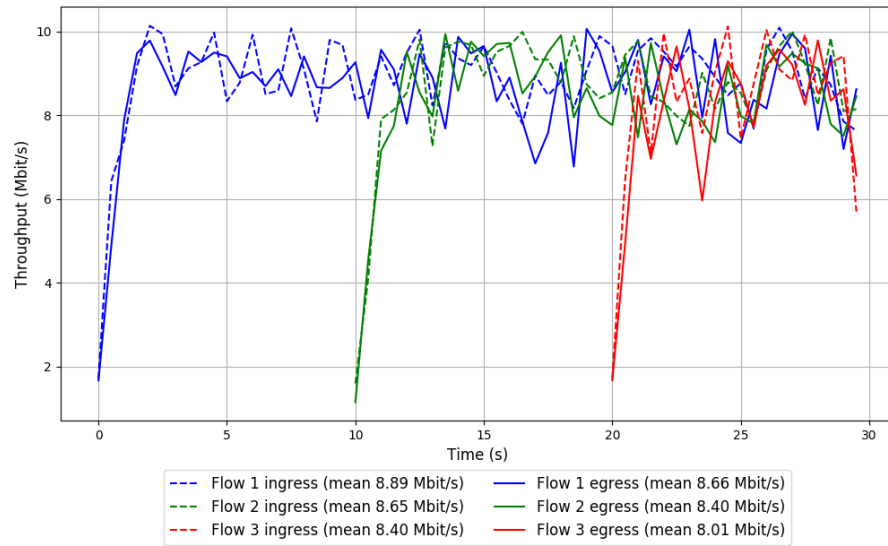


Run 3: Statistics of Sprout

Start at: 2018-01-26 14:54:49
End at: 2018-01-26 14:55:20
Local clock offset: 3.697 ms
Remote clock offset: -4.241 ms

```
# Below is generated by plot.py at 2018-01-26 17:56:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.88 Mbit/s
95th percentile per-packet one-way delay: 51.870 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 51.746 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 51.987 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 52.008 ms
Loss rate: 4.62%
```

Run 3: Report of Sprout — Data Link

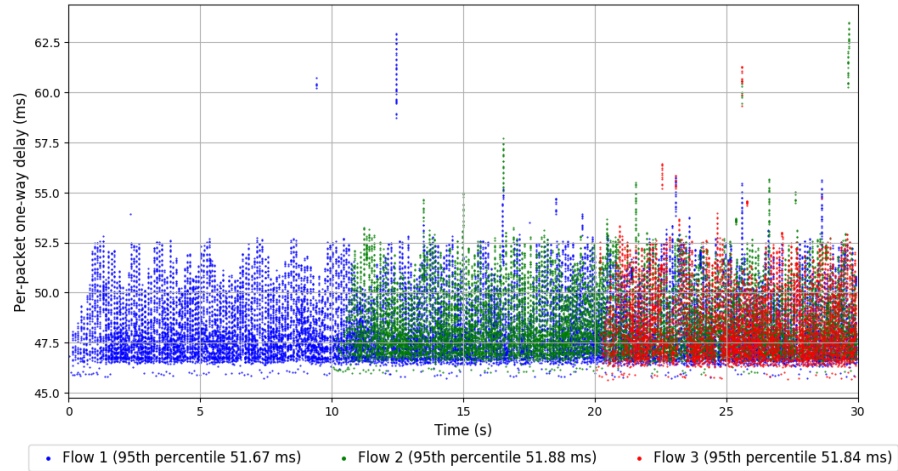
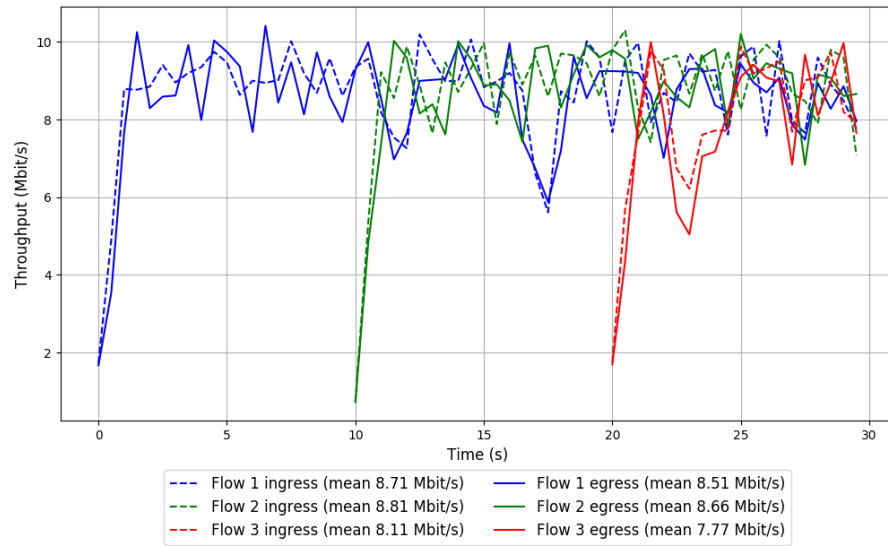


Run 4: Statistics of Sprout

Start at: 2018-01-26 15:20:13
End at: 2018-01-26 15:20:43
Local clock offset: 3.739 ms
Remote clock offset: -3.958 ms

```
# Below is generated by plot.py at 2018-01-26 17:56:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.82 Mbit/s
95th percentile per-packet one-way delay: 51.760 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 51.673 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 51.883 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 7.77 Mbit/s
95th percentile per-packet one-way delay: 51.842 ms
Loss rate: 4.22%
```

Run 4: Report of Sprout — Data Link

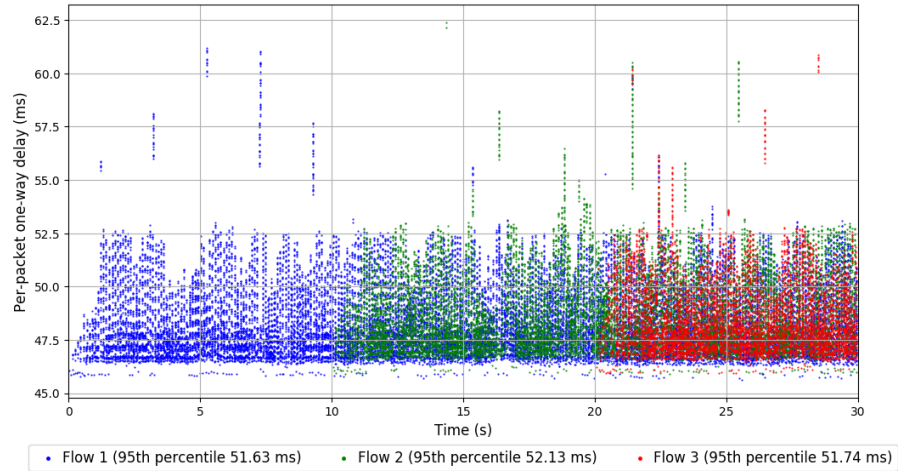
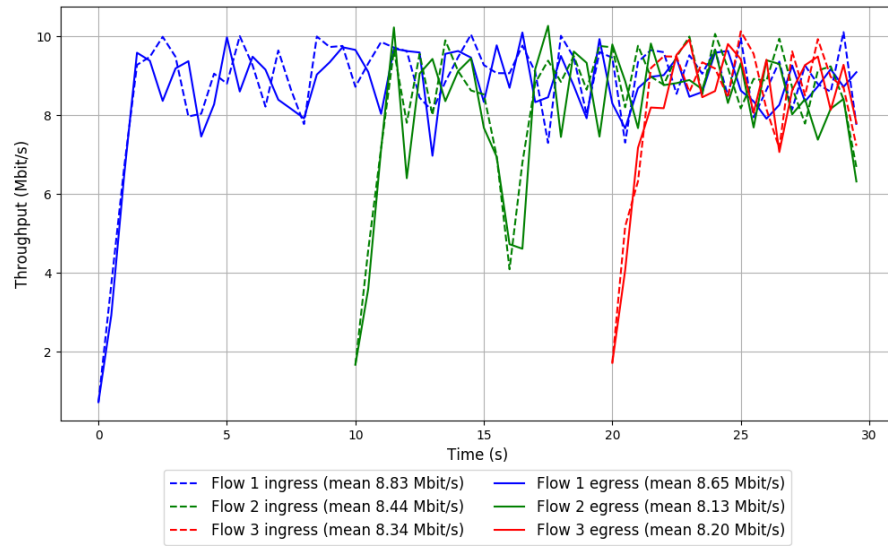


Run 5: Statistics of Sprout

Start at: 2018-01-26 15:40:05
End at: 2018-01-26 15:40:35
Local clock offset: 3.202 ms
Remote clock offset: -3.865 ms

```
# Below is generated by plot.py at 2018-01-26 17:56:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.76 Mbit/s
95th percentile per-packet one-way delay: 51.825 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 8.65 Mbit/s
95th percentile per-packet one-way delay: 51.629 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 8.13 Mbit/s
95th percentile per-packet one-way delay: 52.131 ms
Loss rate: 3.75%
-- Flow 3:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 51.739 ms
Loss rate: 1.64%
```

Run 5: Report of Sprout — Data Link

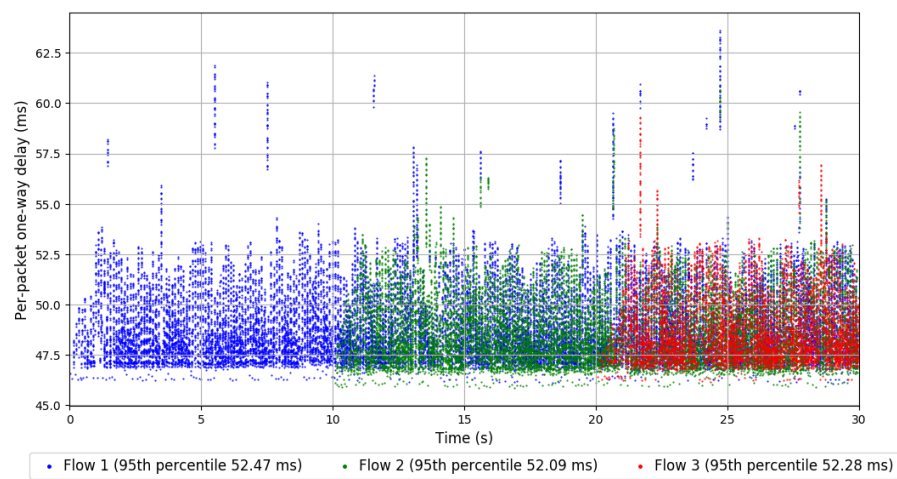
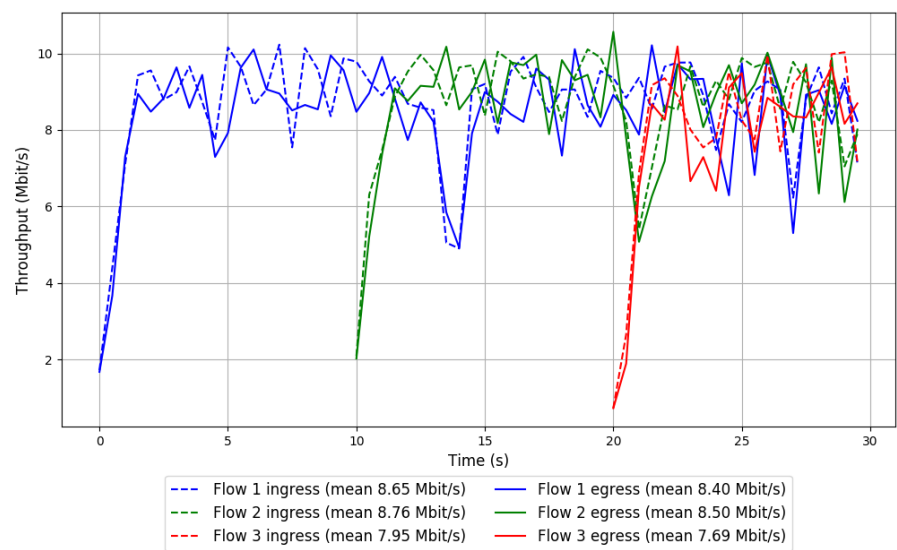


Run 6: Statistics of Sprout

Start at: 2018-01-26 16:00:03
End at: 2018-01-26 16:00:33
Local clock offset: 2.479 ms
Remote clock offset: -4.017 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.60 Mbit/s
95th percentile per-packet one-way delay: 52.310 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 52.470 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 52.089 ms
Loss rate: 2.88%
-- Flow 3:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 52.279 ms
Loss rate: 3.24%

Run 6: Report of Sprout — Data Link

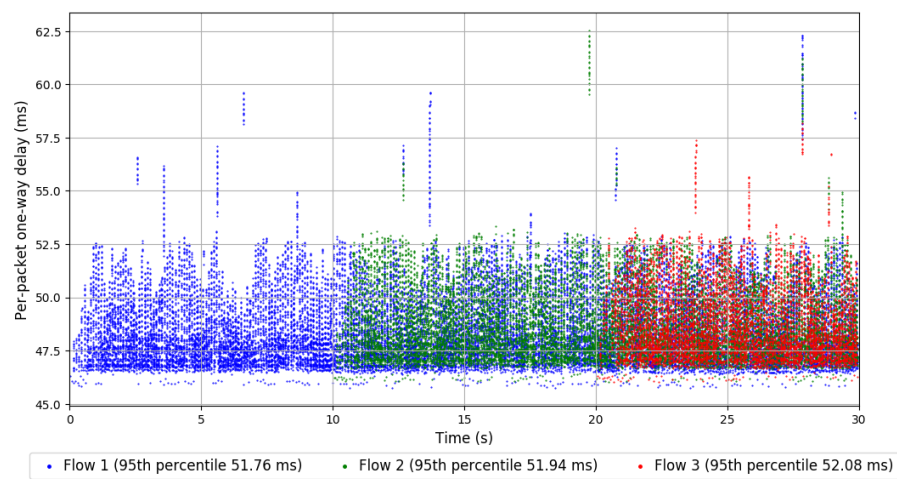
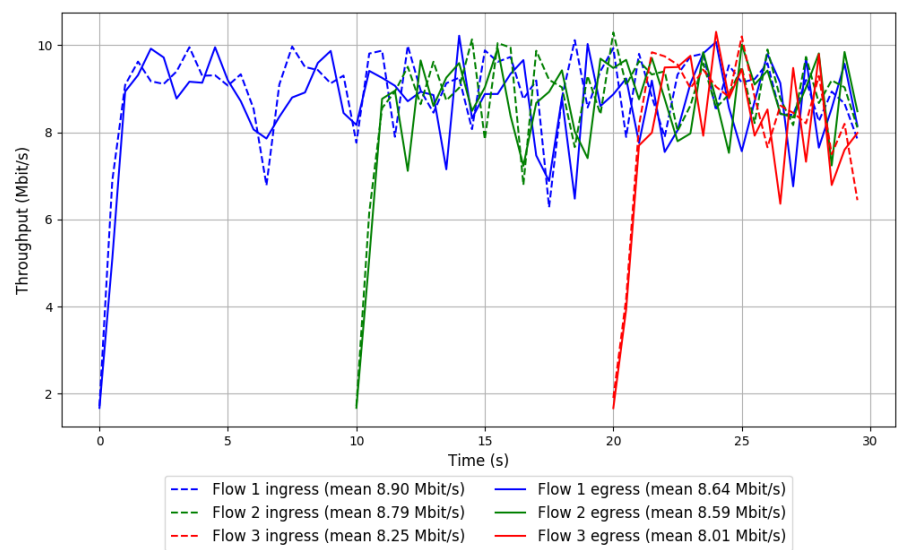


Run 7: Statistics of Sprout

Start at: 2018-01-26 16:20:02
End at: 2018-01-26 16:20:32
Local clock offset: 2.278 ms
Remote clock offset: -4.641 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.00 Mbit/s
95th percentile per-packet one-way delay: 51.869 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 51.761 ms
Loss rate: 2.96%
-- Flow 2:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 51.937 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 52.083 ms
Loss rate: 2.94%

Run 7: Report of Sprout — Data Link

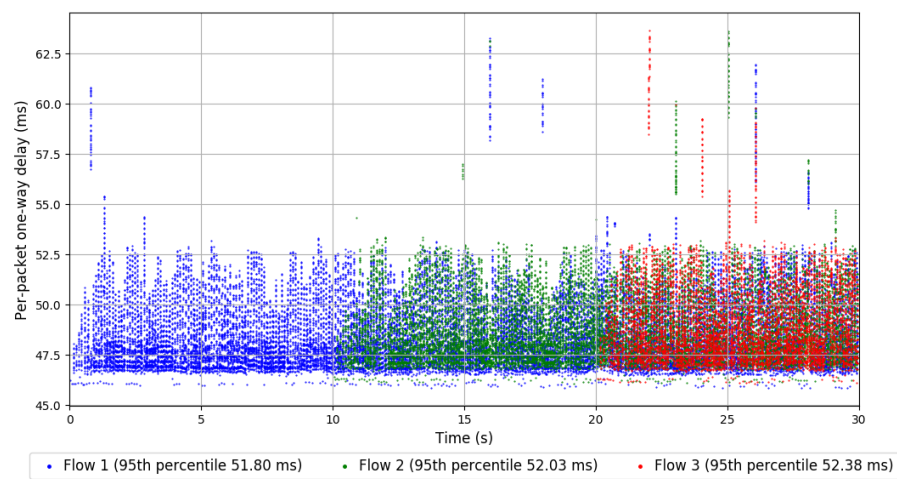
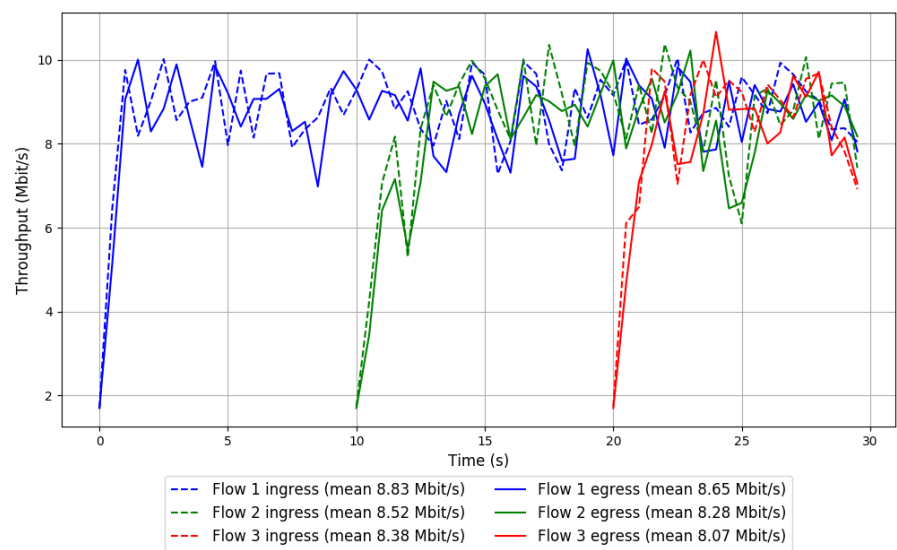


Run 8: Statistics of Sprout

Start at: 2018-01-26 16:39:53
End at: 2018-01-26 16:40:23
Local clock offset: 2.116 ms
Remote clock offset: -5.132 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 51.988 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 8.65 Mbit/s
95th percentile per-packet one-way delay: 51.801 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 52.028 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 52.377 ms
Loss rate: 3.68%

Run 8: Report of Sprout — Data Link

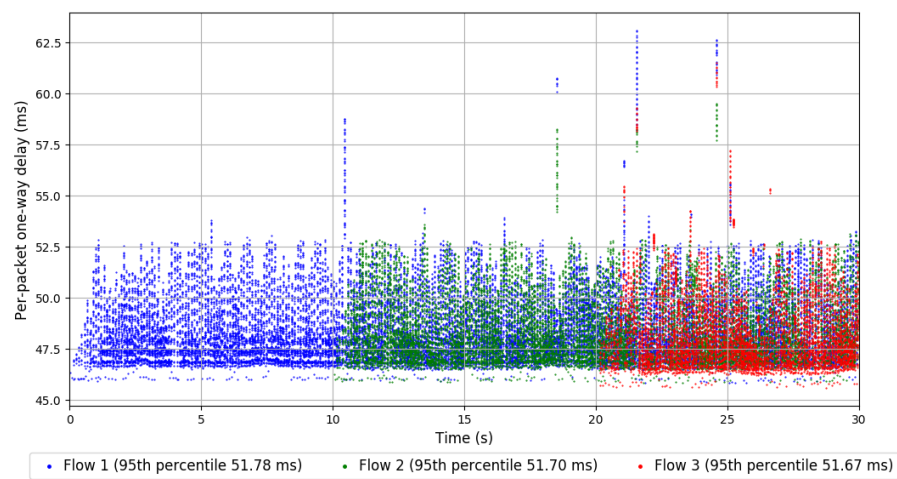
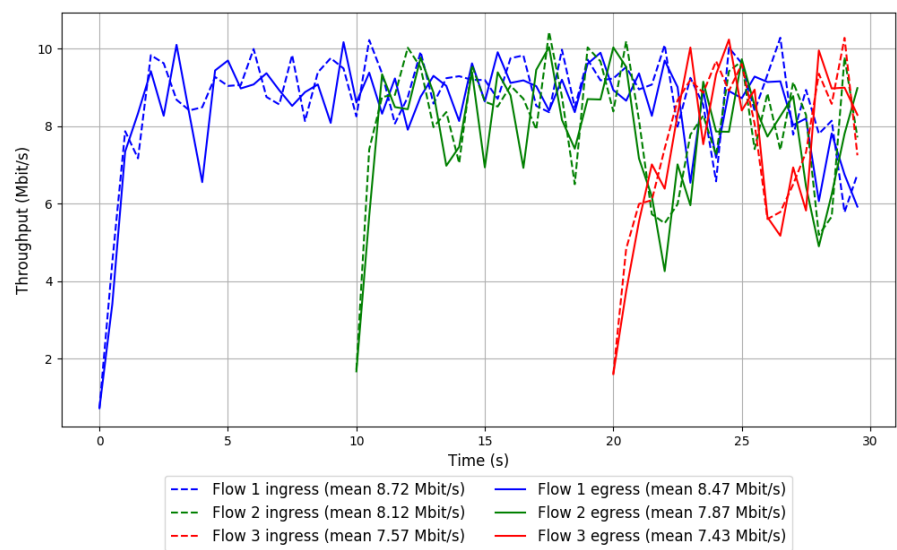


Run 9: Statistics of Sprout

Start at: 2018-01-26 16:59:58
End at: 2018-01-26 17:00:28
Local clock offset: 1.878 ms
Remote clock offset: -5.644 ms

Below is generated by plot.py at 2018-01-26 17:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 51.737 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 51.781 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 51.700 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 51.673 ms
Loss rate: 1.81%

Run 9: Report of Sprout — Data Link

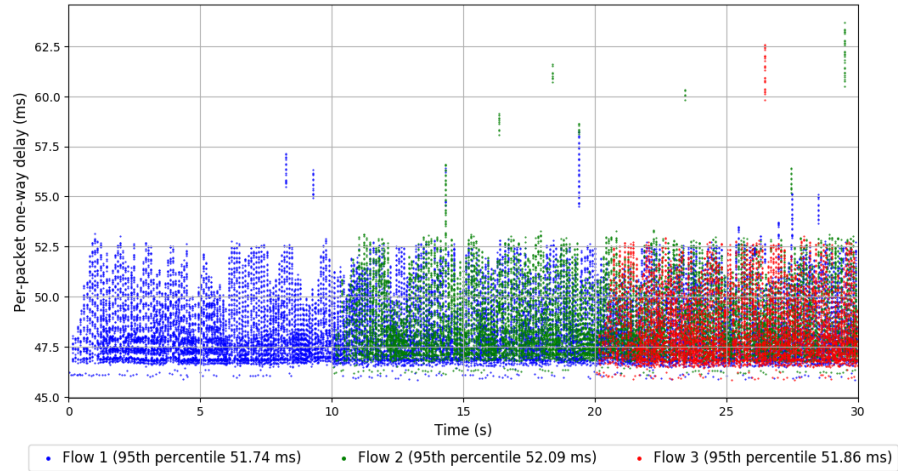
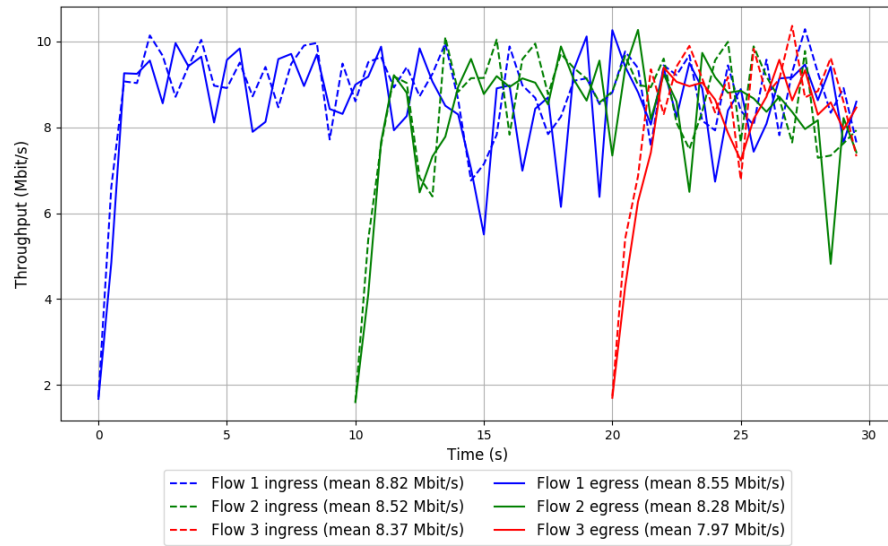


Run 10: Statistics of Sprout

Start at: 2018-01-26 17:19:56
End at: 2018-01-26 17:20:26
Local clock offset: 1.308 ms
Remote clock offset: -6.066 ms

```
# Below is generated by plot.py at 2018-01-26 17:56:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 51.884 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 51.745 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 52.094 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 51.863 ms
Loss rate: 4.83%
```


Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-01-26 14:17:08

End at: 2018-01-26 14:17:38

Local clock offset: 2.748 ms

Remote clock offset: -4.24 ms

Below is generated by plot.py at 2018-01-26 17:57:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.95 Mbit/s

95th percentile per-packet one-way delay: 63.890 ms

Loss rate: 2.29%

-- Flow 1:

Average throughput: 19.87 Mbit/s

95th percentile per-packet one-way delay: 61.077 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 63.836 ms

Loss rate: 2.58%

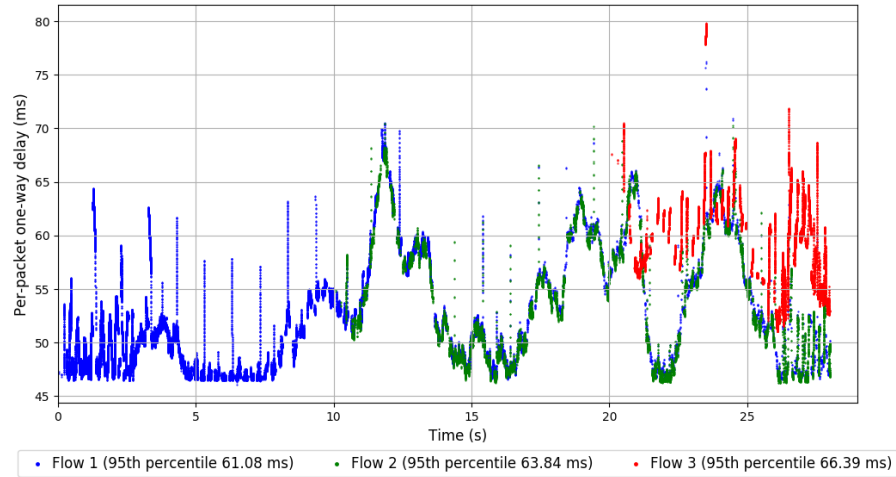
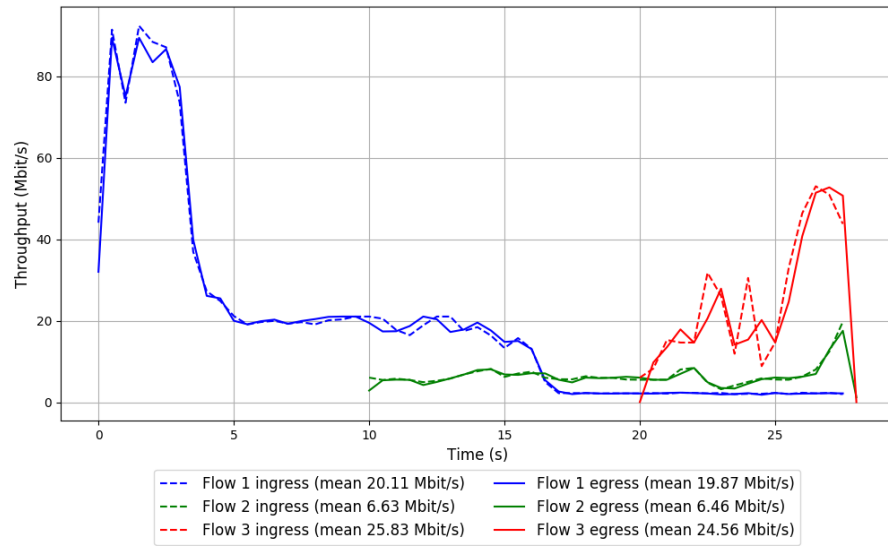
-- Flow 3:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 66.390 ms

Loss rate: 5.08%

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

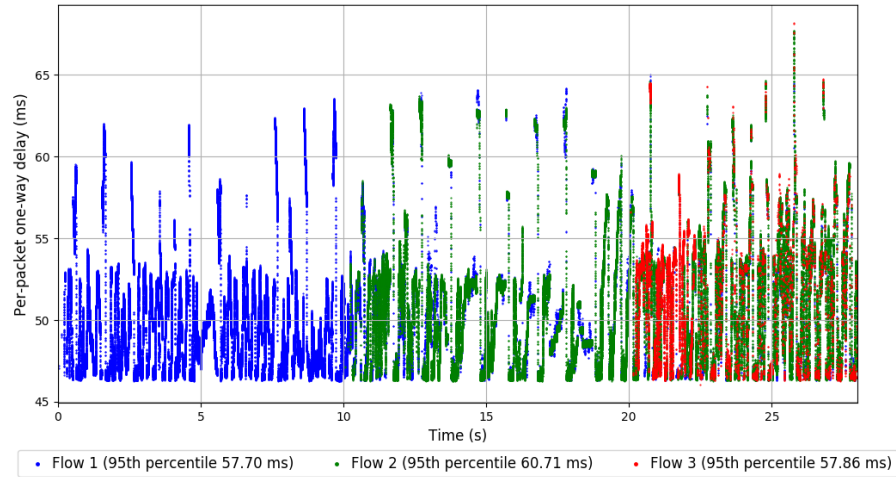
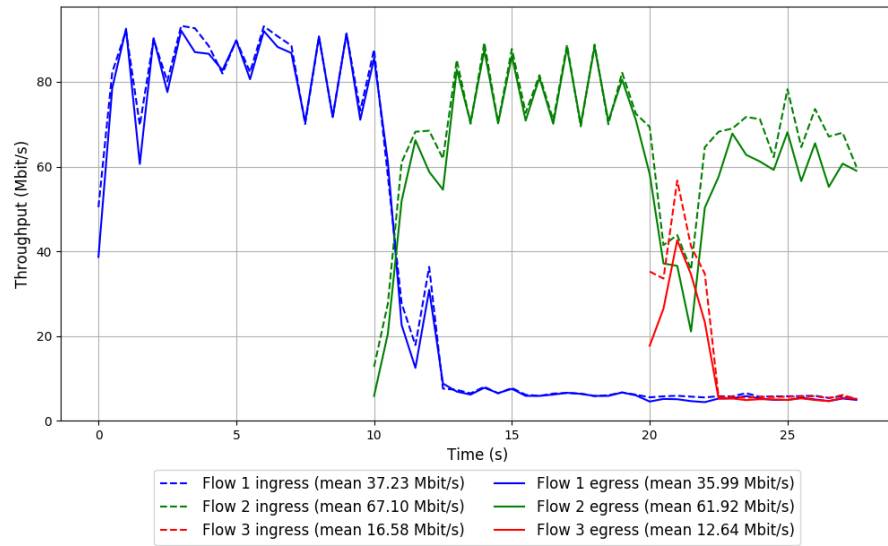


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-26 14:38:29
End at: 2018-01-26 14:38:59
Local clock offset: 3.477 ms
Remote clock offset: -4.214 ms

Below is generated by plot.py at 2018-01-26 17:58:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 59.399 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 57.703 ms
Loss rate: 3.33%
-- Flow 2:
Average throughput: 61.92 Mbit/s
95th percentile per-packet one-way delay: 60.711 ms
Loss rate: 7.71%
-- Flow 3:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 57.858 ms
Loss rate: 23.82%

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

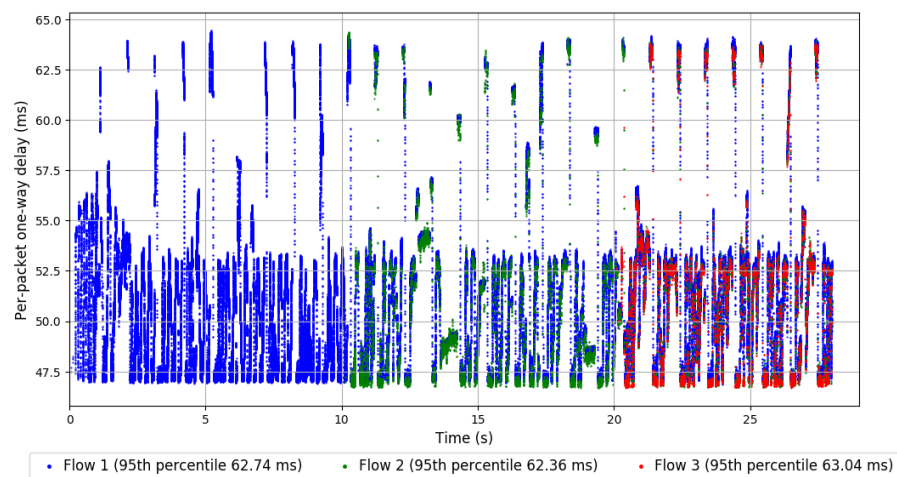
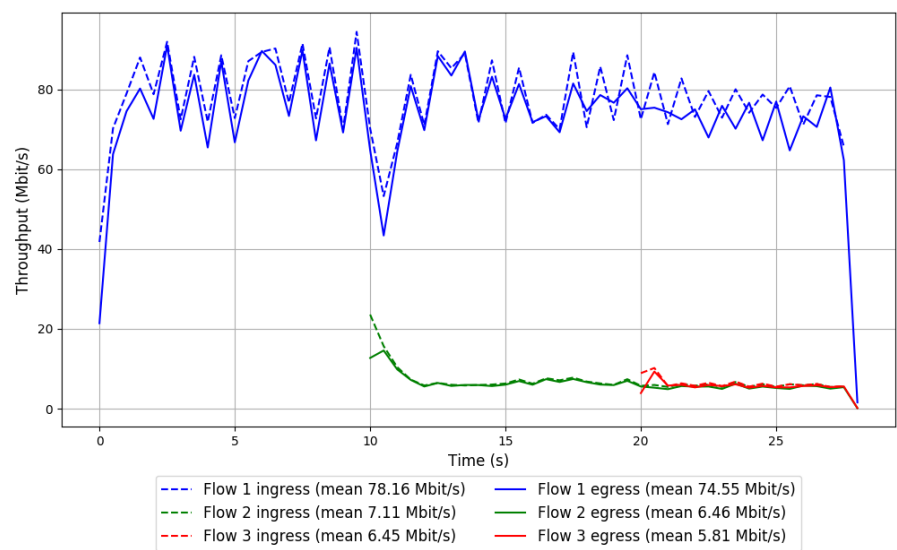


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-26 14:59:53
End at: 2018-01-26 15:00:23
Local clock offset: 3.393 ms
Remote clock offset: -4.234 ms

Below is generated by plot.py at 2018-01-26 17:58:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 62.740 ms
Loss rate: 4.96%
-- Flow 1:
Average throughput: 74.55 Mbit/s
95th percentile per-packet one-way delay: 62.742 ms
Loss rate: 4.60%
-- Flow 2:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 62.360 ms
Loss rate: 9.14%
-- Flow 3:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 63.036 ms
Loss rate: 9.89%

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

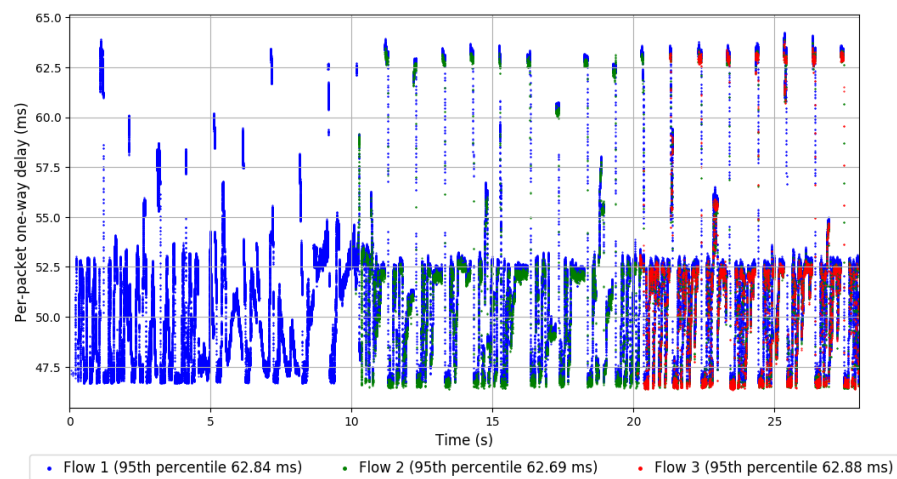
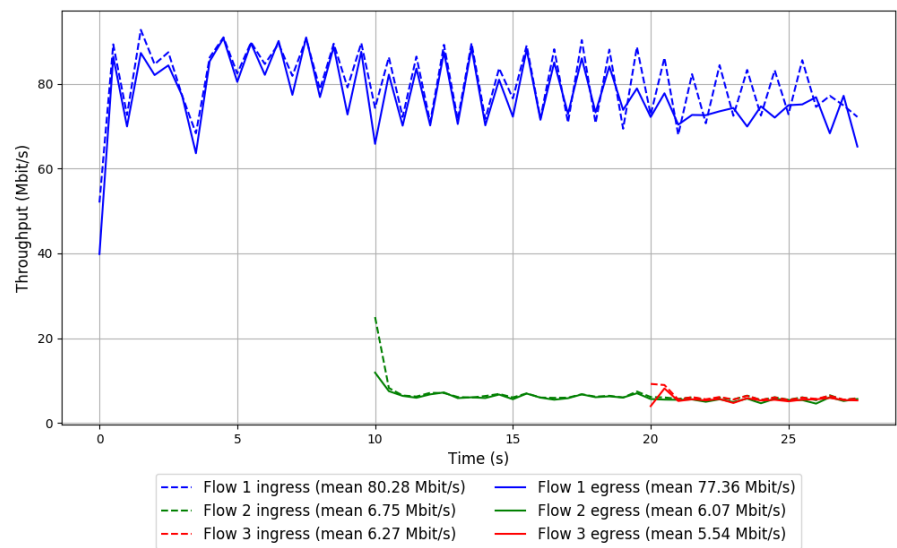


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-26 15:23:45
End at: 2018-01-26 15:24:15
Local clock offset: 3.471 ms
Remote clock offset: -3.986 ms

Below is generated by plot.py at 2018-01-26 17:58:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 62.832 ms
Loss rate: 4.13%
-- Flow 1:
Average throughput: 77.36 Mbit/s
95th percentile per-packet one-way delay: 62.845 ms
Loss rate: 3.64%
-- Flow 2:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 62.689 ms
Loss rate: 10.10%
-- Flow 3:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 62.878 ms
Loss rate: 11.69%

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

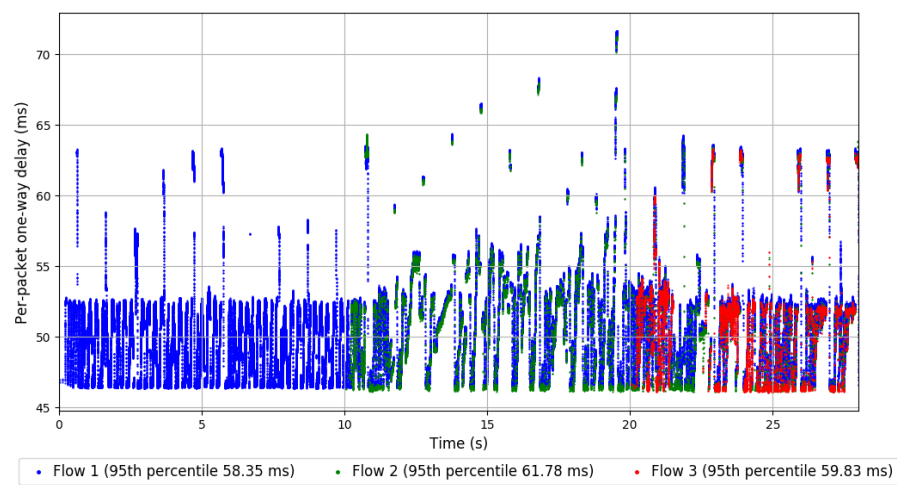
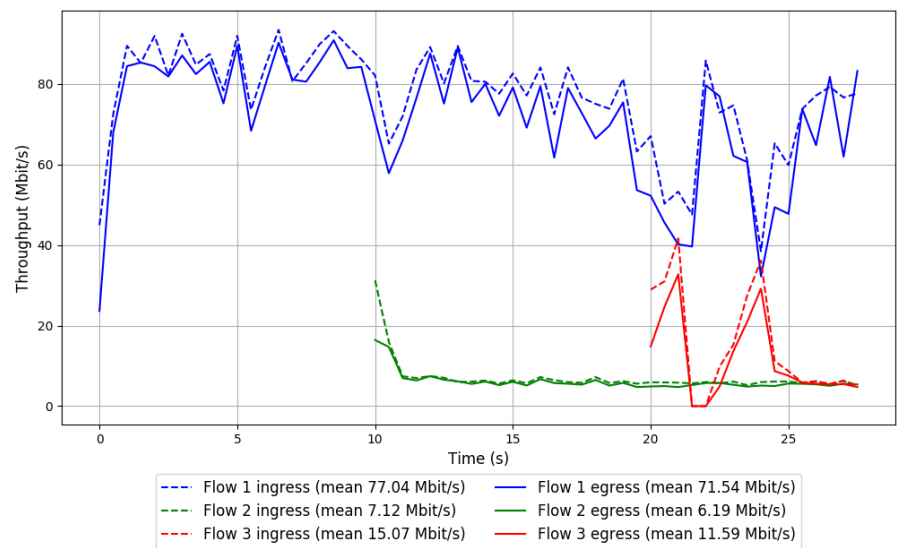


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-26 15:43:37
End at: 2018-01-26 15:44:07
Local clock offset: 3.192 ms
Remote clock offset: -3.876 ms

Below is generated by plot.py at 2018-01-26 17:58:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.81 Mbit/s
95th percentile per-packet one-way delay: 59.072 ms
Loss rate: 8.25%
-- Flow 1:
Average throughput: 71.54 Mbit/s
95th percentile per-packet one-way delay: 58.351 ms
Loss rate: 7.15%
-- Flow 2:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 61.780 ms
Loss rate: 13.03%
-- Flow 3:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 59.827 ms
Loss rate: 23.02%

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

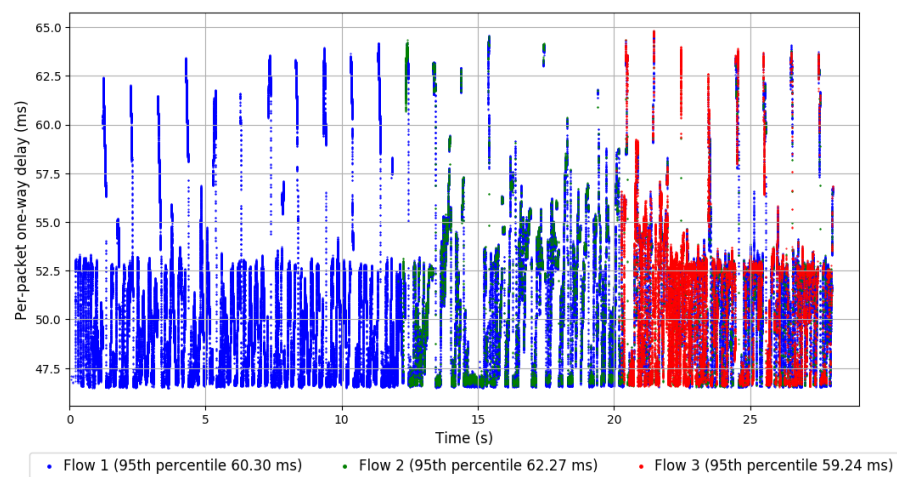
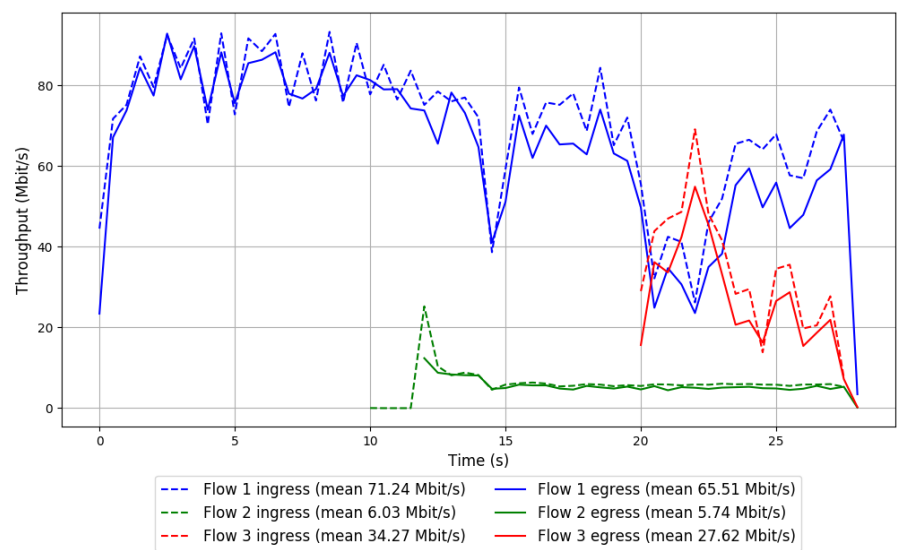


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-26 16:03:36
End at: 2018-01-26 16:04:06
Local clock offset: 2.255 ms
Remote clock offset: -4.182 ms

Below is generated by plot.py at 2018-01-26 17:58:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.63 Mbit/s
95th percentile per-packet one-way delay: 60.315 ms
Loss rate: 9.65%
-- Flow 1:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 60.301 ms
Loss rate: 8.00%
-- Flow 2:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 62.273 ms
Loss rate: 15.39%
-- Flow 3:
Average throughput: 27.62 Mbit/s
95th percentile per-packet one-way delay: 59.239 ms
Loss rate: 19.43%

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

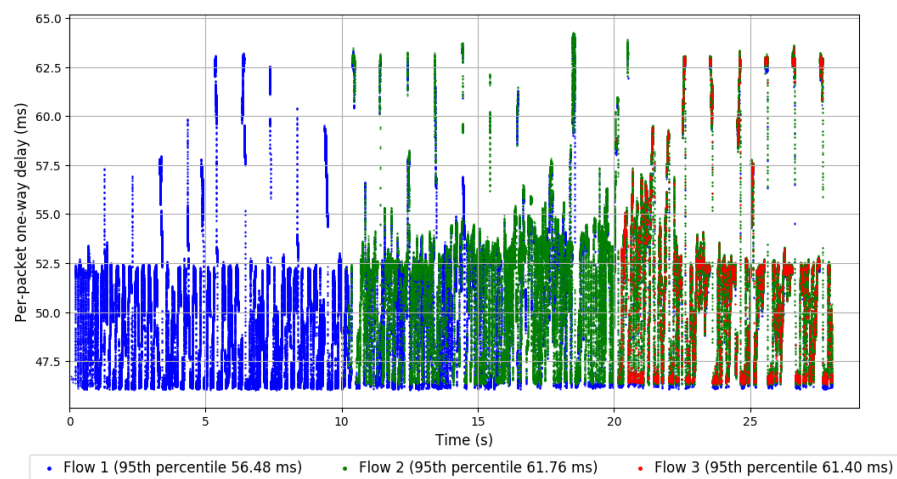
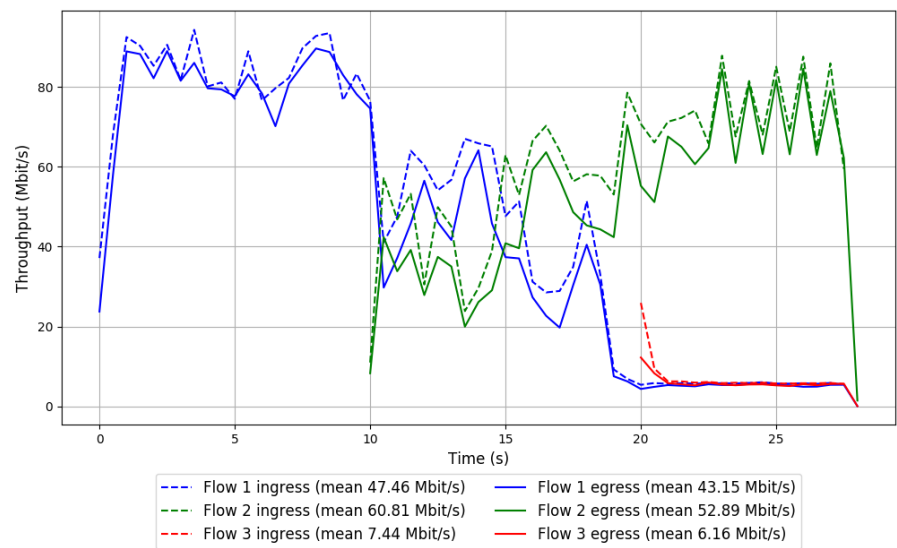


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-26 16:23:34
End at: 2018-01-26 16:24:04
Local clock offset: 2.533 ms
Remote clock offset: -4.747 ms

Below is generated by plot.py at 2018-01-26 17:58:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 59.111 ms
Loss rate: 11.02%
-- Flow 1:
Average throughput: 43.15 Mbit/s
95th percentile per-packet one-way delay: 56.481 ms
Loss rate: 9.09%
-- Flow 2:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 61.762 ms
Loss rate: 13.02%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 61.400 ms
Loss rate: 17.39%

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

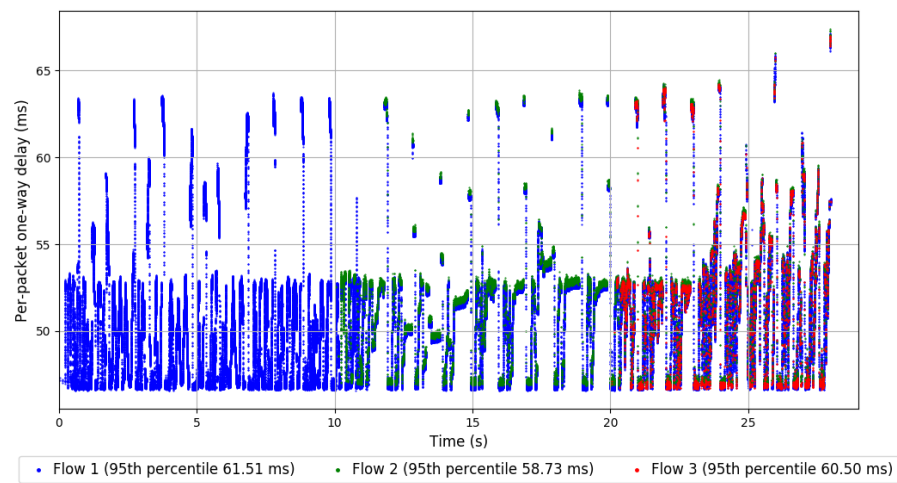
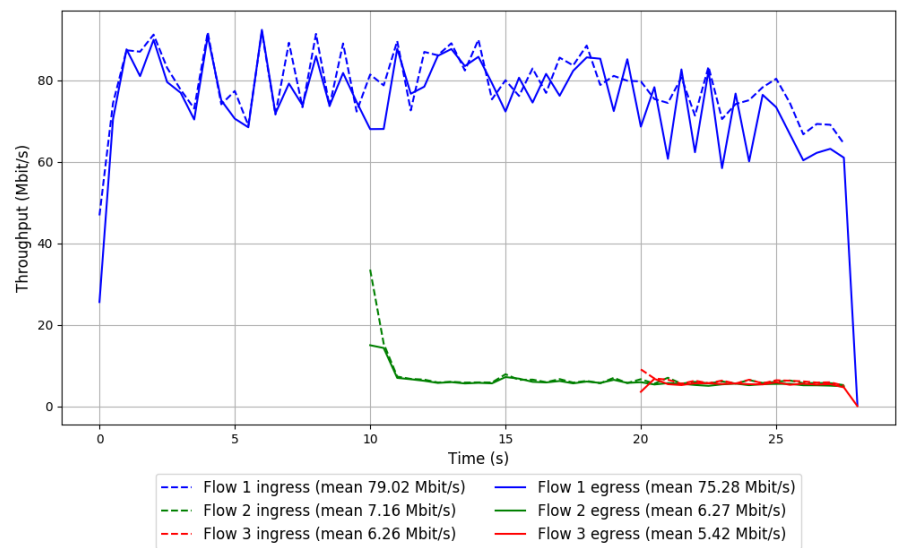


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-26 16:43:26
End at: 2018-01-26 16:43:56
Local clock offset: 1.799 ms
Remote clock offset: -5.277 ms

Below is generated by plot.py at 2018-01-26 17:58:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 61.421 ms
Loss rate: 5.30%
-- Flow 1:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 61.510 ms
Loss rate: 4.69%
-- Flow 2:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 58.733 ms
Loss rate: 12.63%
-- Flow 3:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 60.496 ms
Loss rate: 13.25%

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

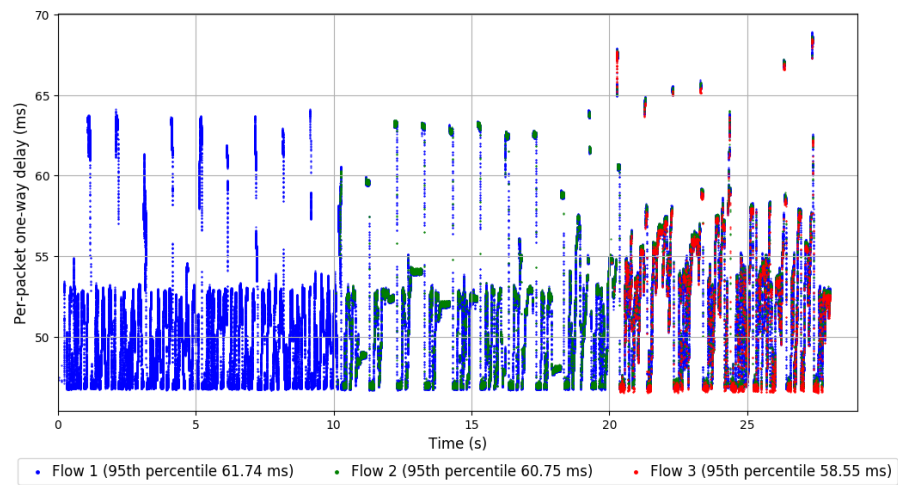
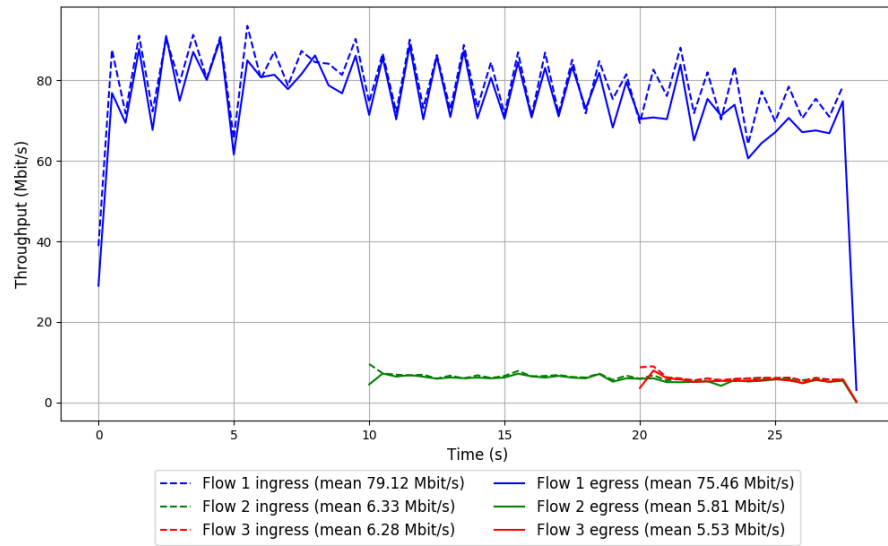


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-26 17:03:30
End at: 2018-01-26 17:04:00
Local clock offset: 1.565 ms
Remote clock offset: -5.664 ms

Below is generated by plot.py at 2018-01-26 17:59:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 61.677 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 61.739 ms
Loss rate: 4.61%
-- Flow 2:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 60.747 ms
Loss rate: 8.27%
-- Flow 3:
Average throughput: 5.53 Mbit/s
95th percentile per-packet one-way delay: 58.547 ms
Loss rate: 12.01%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-26 17:23:28

End at: 2018-01-26 17:23:58

Local clock offset: 0.787 ms

Remote clock offset: -6.15 ms

Below is generated by plot.py at 2018-01-26 18:00:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.23 Mbit/s

95th percentile per-packet one-way delay: 61.745 ms

Loss rate: 5.68%

-- Flow 1:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 60.826 ms

Loss rate: 5.15%

-- Flow 2:

Average throughput: 70.19 Mbit/s

95th percentile per-packet one-way delay: 62.435 ms

Loss rate: 5.79%

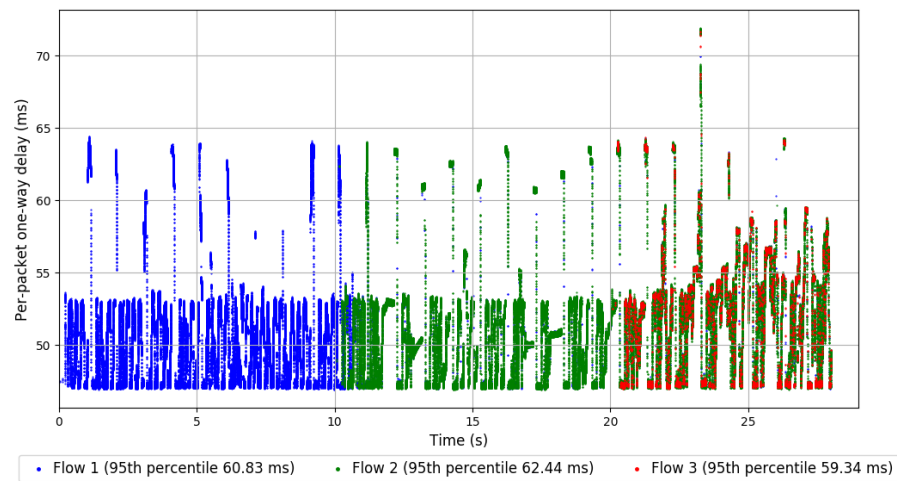
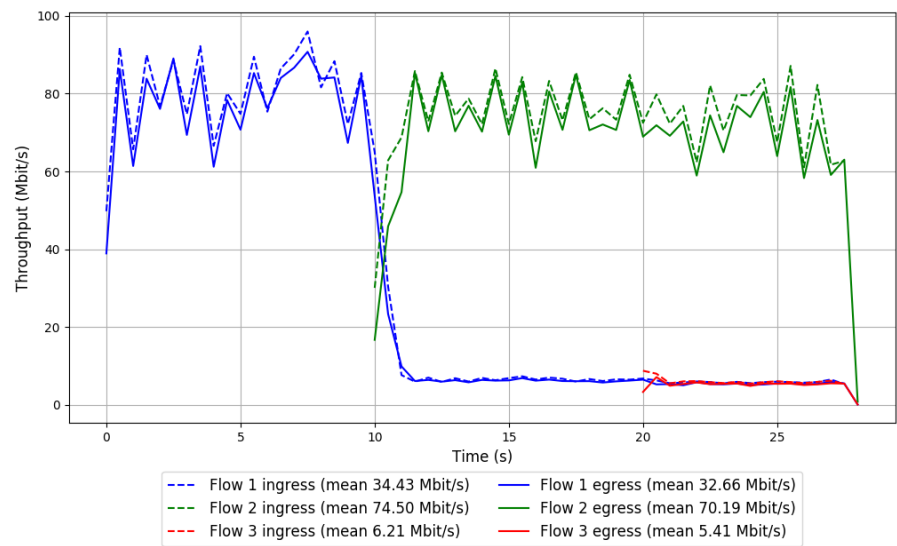
-- Flow 3:

Average throughput: 5.41 Mbit/s

95th percentile per-packet one-way delay: 59.336 ms

Loss rate: 12.93%

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

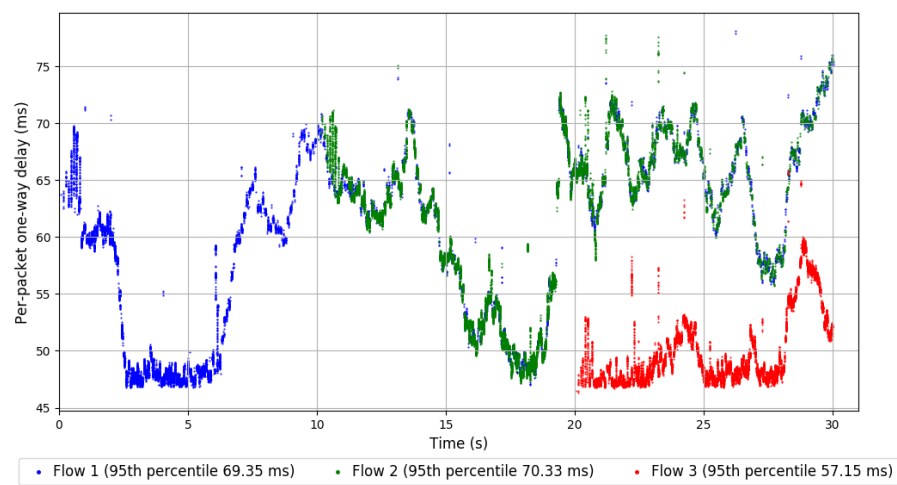
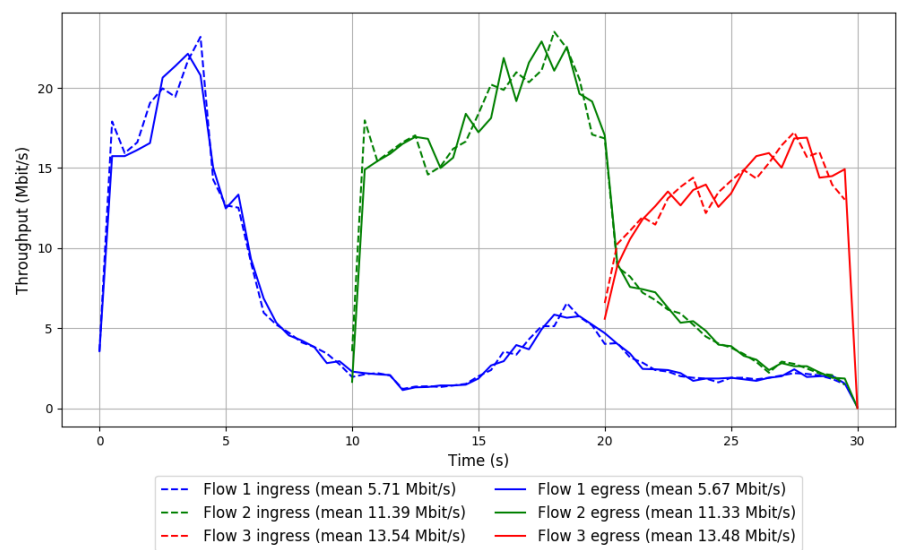


Run 1: Statistics of TCP Vegas

Start at: 2018-01-26 14:27:44
End at: 2018-01-26 14:28:14
Local clock offset: 2.724 ms
Remote clock offset: -4.219 ms

Below is generated by plot.py at 2018-01-26 18:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.68 Mbit/s
95th percentile per-packet one-way delay: 69.590 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 5.67 Mbit/s
95th percentile per-packet one-way delay: 69.348 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 70.332 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 57.153 ms
Loss rate: 0.37%

Run 1: Report of TCP Vegas — Data Link

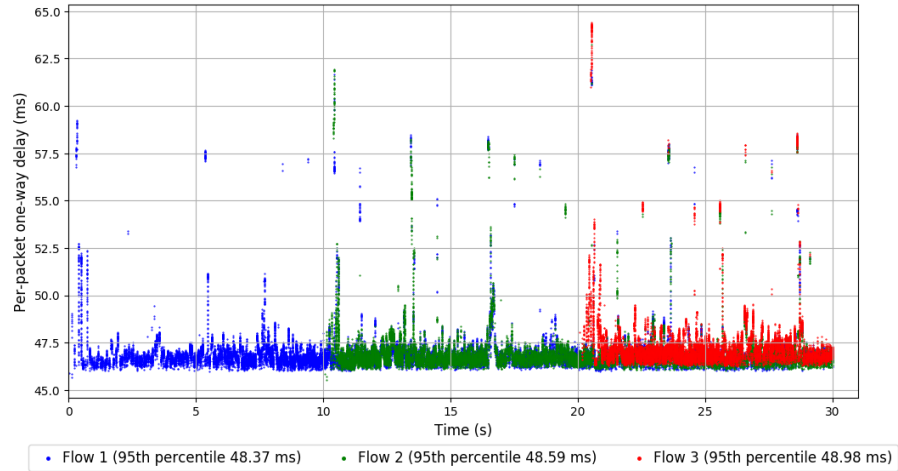
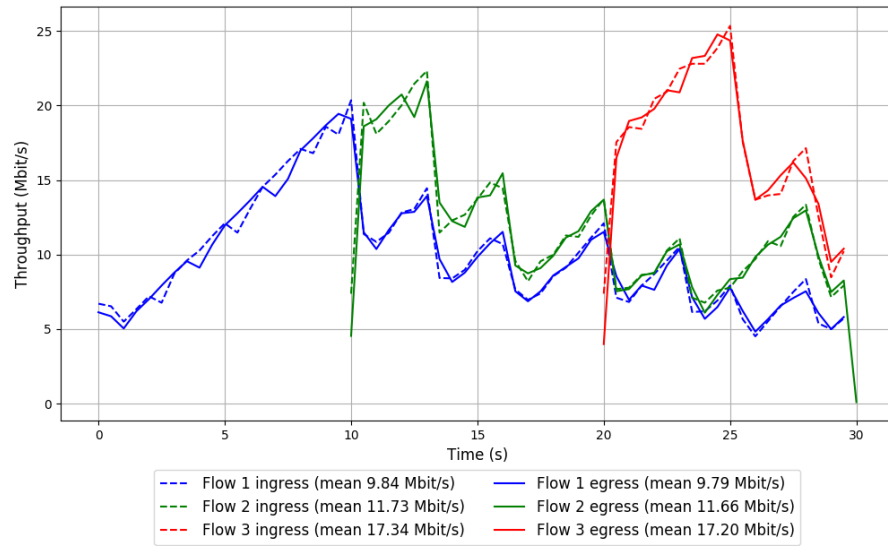


Run 2: Statistics of TCP Vegas

Start at: 2018-01-26 14:48:36
End at: 2018-01-26 14:49:06
Local clock offset: 3.792 ms
Remote clock offset: -4.254 ms

Below is generated by plot.py at 2018-01-26 18:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 48.644 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 48.365 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 48.586 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 48.982 ms
Loss rate: 0.86%

Run 2: Report of TCP Vegas — Data Link

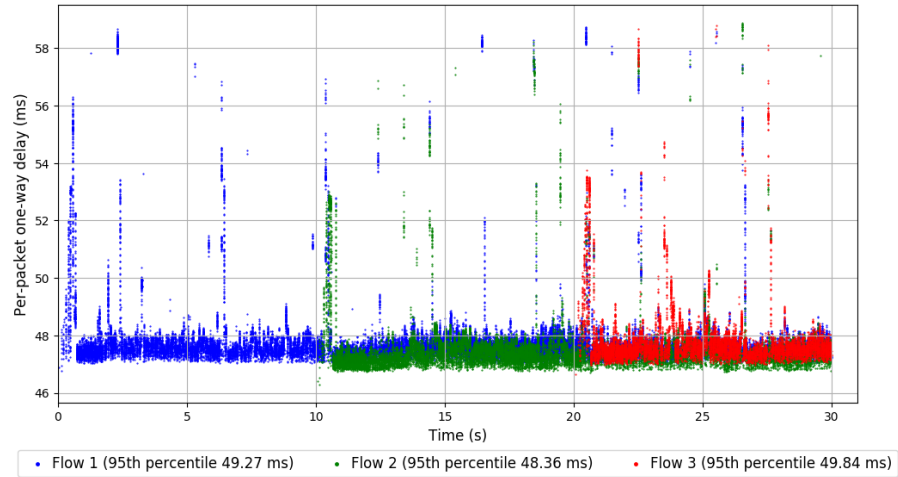
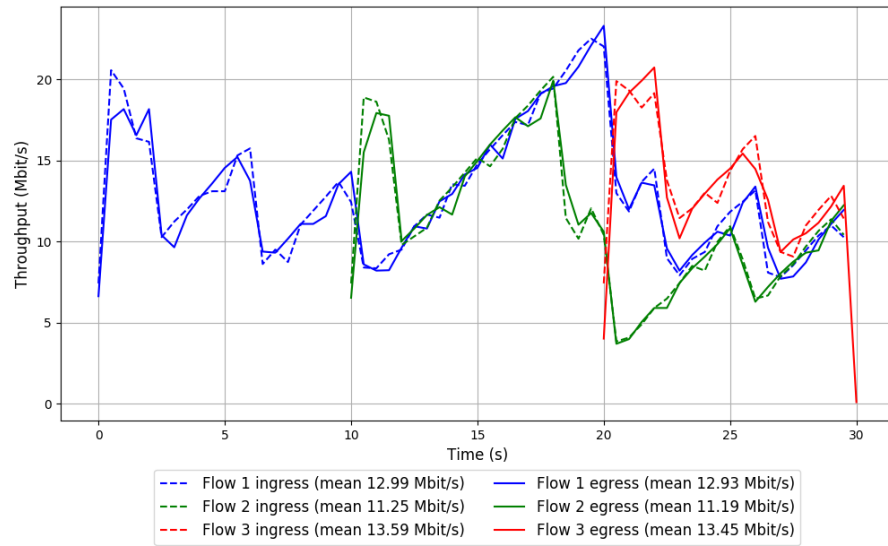


Run 3: Statistics of TCP Vegas

Start at: 2018-01-26 15:13:58
End at: 2018-01-26 15:14:28
Local clock offset: 3.458 ms
Remote clock offset: -4.032 ms

Below is generated by plot.py at 2018-01-26 18:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 49.184 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 49.267 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 11.19 Mbit/s
95th percentile per-packet one-way delay: 48.358 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 13.45 Mbit/s
95th percentile per-packet one-way delay: 49.842 ms
Loss rate: 1.00%

Run 3: Report of TCP Vegas — Data Link

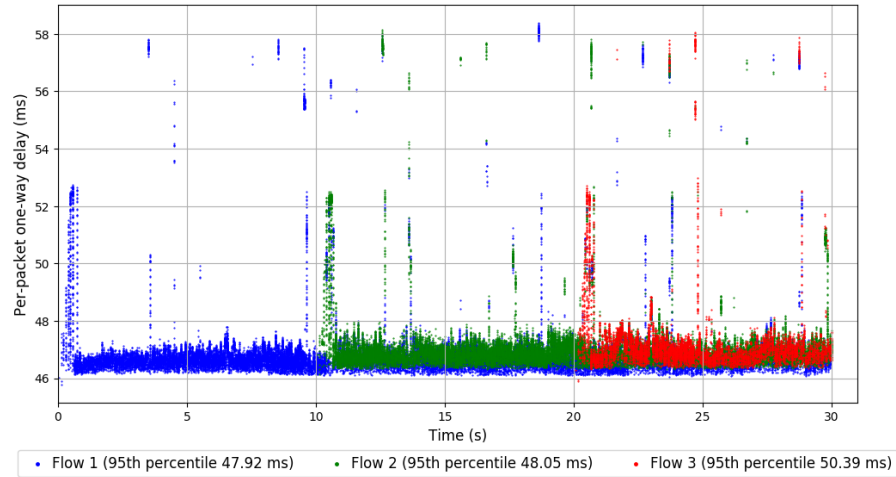
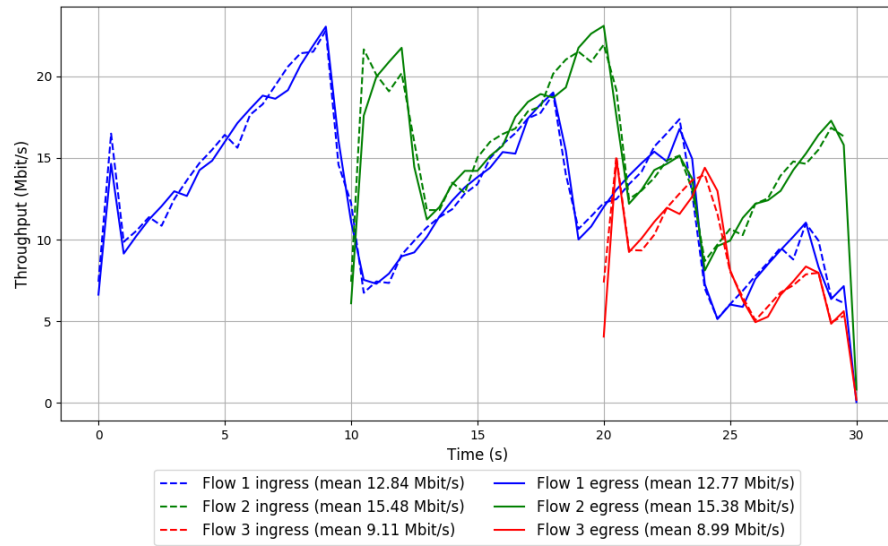


Run 4: Statistics of TCP Vegas

Start at: 2018-01-26 15:33:50
End at: 2018-01-26 15:34:20
Local clock offset: 3.489 ms
Remote clock offset: -3.962 ms

```
# Below is generated by plot.py at 2018-01-26 18:00:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 48.407 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 47.917 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 15.38 Mbit/s
95th percentile per-packet one-way delay: 48.052 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 50.388 ms
Loss rate: 1.29%
```

Run 4: Report of TCP Vegas — Data Link

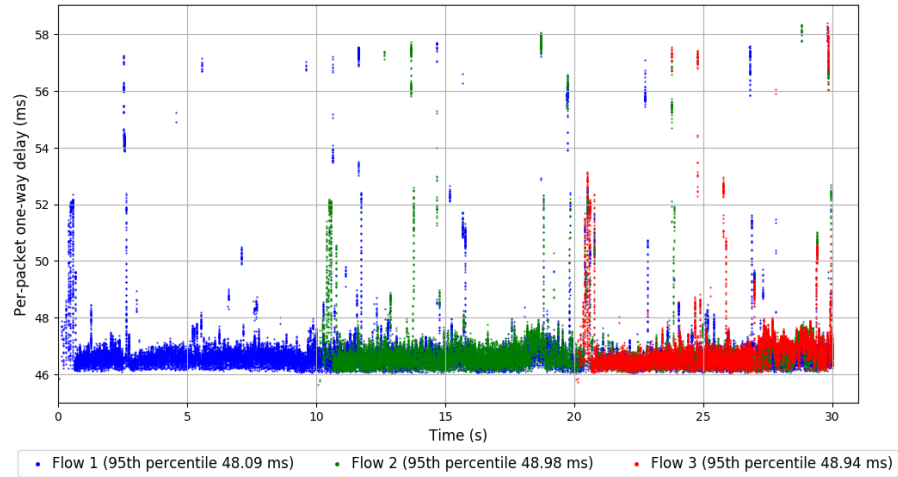
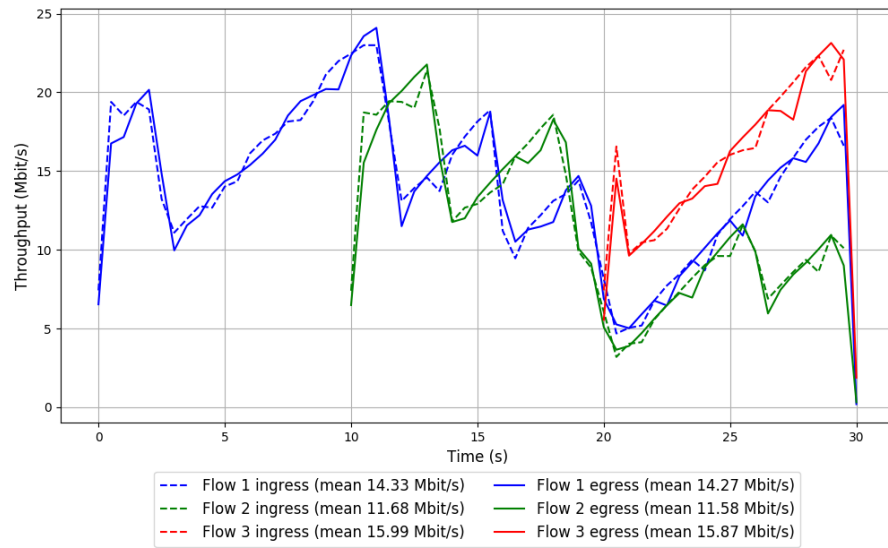


Run 5: Statistics of TCP Vegas

Start at: 2018-01-26 15:53:48
End at: 2018-01-26 15:54:18
Local clock offset: 2.962 ms
Remote clock offset: -3.837 ms

Below is generated by plot.py at 2018-01-26 18:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.25 Mbit/s
95th percentile per-packet one-way delay: 48.487 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 48.092 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 48.983 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 48.938 ms
Loss rate: 0.75%

Run 5: Report of TCP Vegas — Data Link

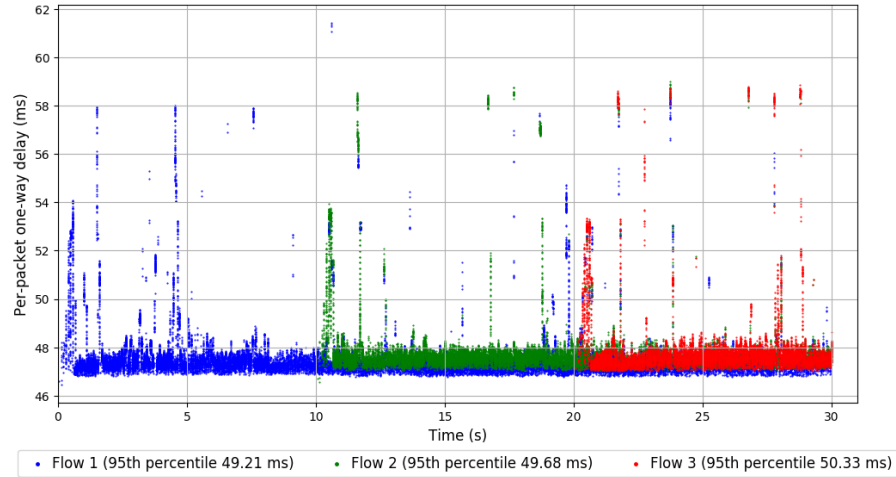
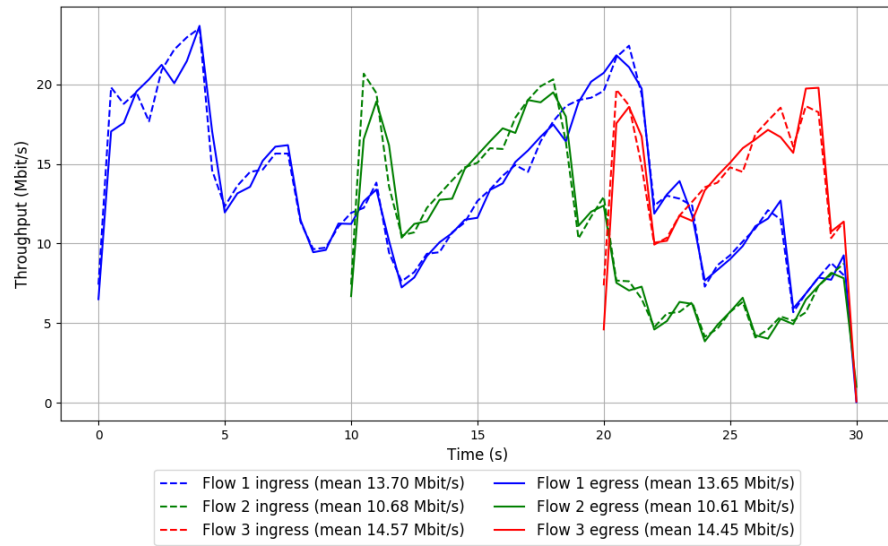


Run 6: Statistics of TCP Vegas

Start at: 2018-01-26 16:13:46
End at: 2018-01-26 16:14:16
Local clock offset: 1.87 ms
Remote clock offset: -4.521 ms

Below is generated by plot.py at 2018-01-26 18:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 49.499 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 49.214 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 49.678 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 14.45 Mbit/s
95th percentile per-packet one-way delay: 50.330 ms
Loss rate: 0.81%

Run 6: Report of TCP Vegas — Data Link

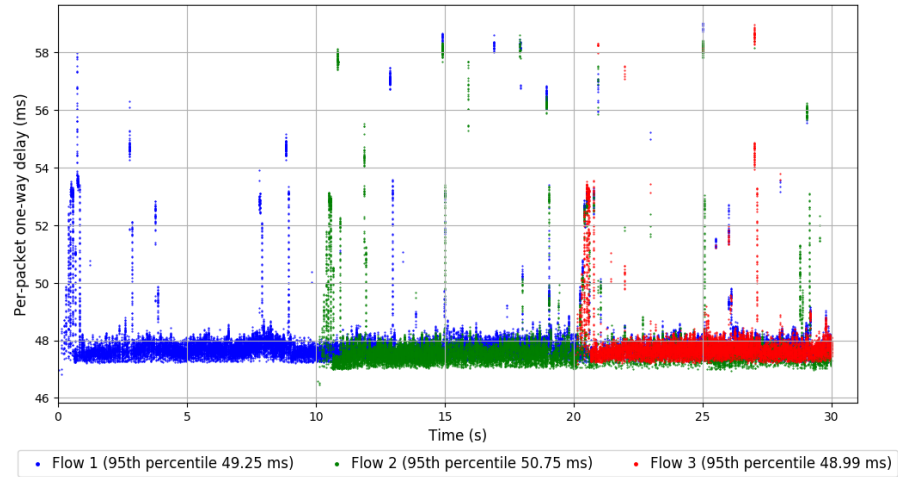
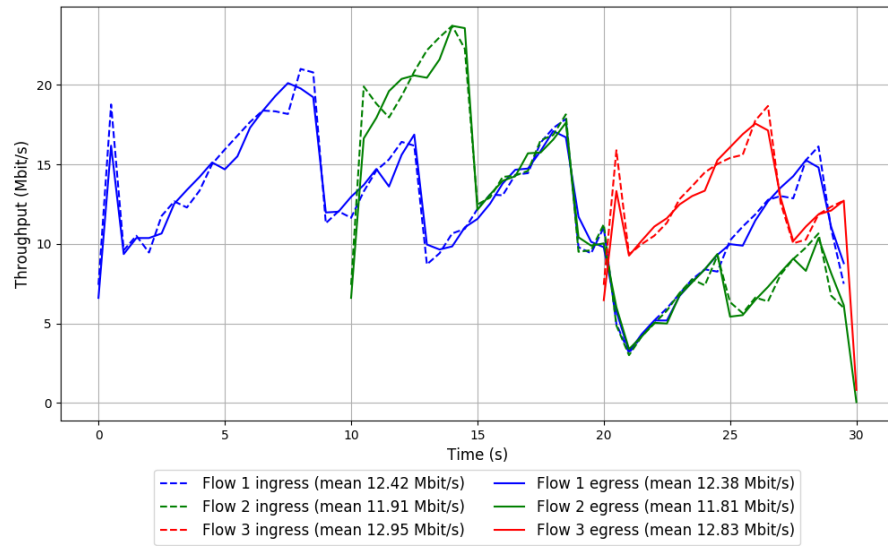


Run 7: Statistics of TCP Vegas

Start at: 2018-01-26 16:33:38
End at: 2018-01-26 16:34:08
Local clock offset: 1.578 ms
Remote clock offset: -5.029 ms

Below is generated by plot.py at 2018-01-26 18:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 49.595 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 49.251 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 50.750 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 48.995 ms
Loss rate: 0.88%

Run 7: Report of TCP Vegas — Data Link

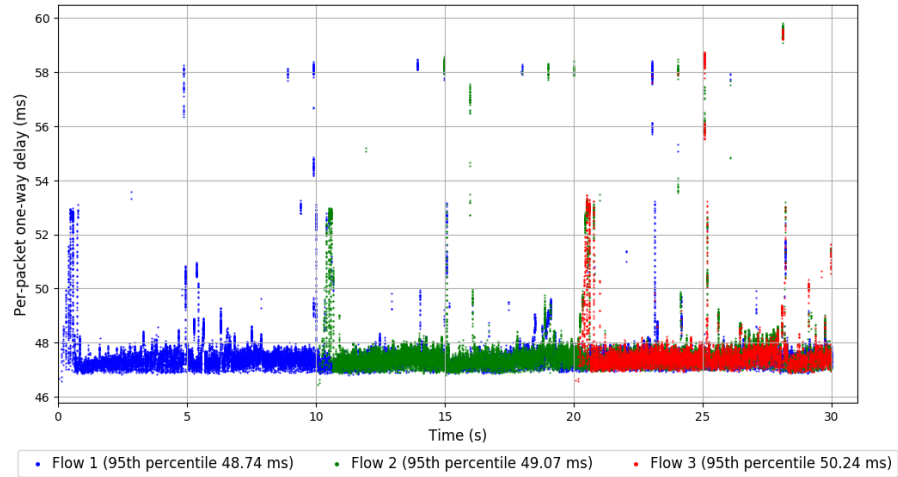
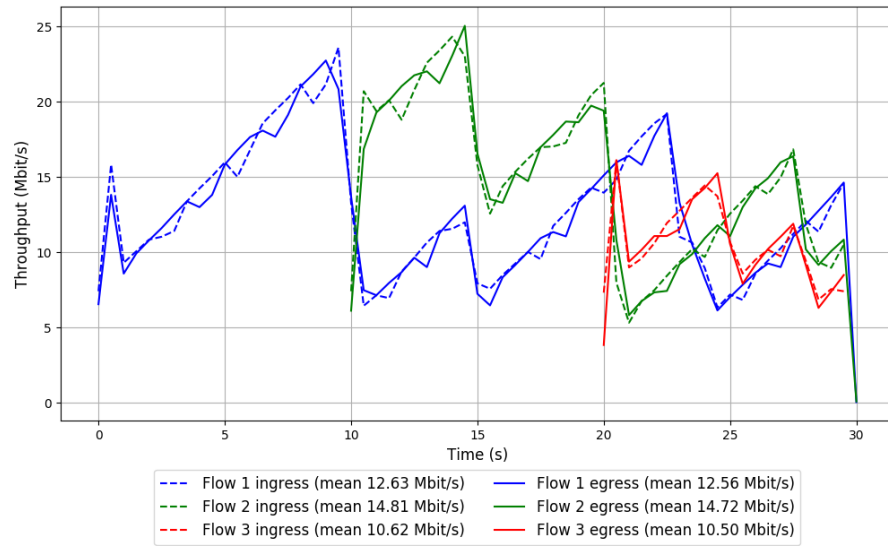


Run 8: Statistics of TCP Vegas

Start at: 2018-01-26 16:53:30
End at: 2018-01-26 16:54:00
Local clock offset: 1.626 ms
Remote clock offset: -5.471 ms

Below is generated by plot.py at 2018-01-26 18:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 48.971 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 48.740 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 49.071 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 50.240 ms
Loss rate: 1.14%

Run 8: Report of TCP Vegas — Data Link

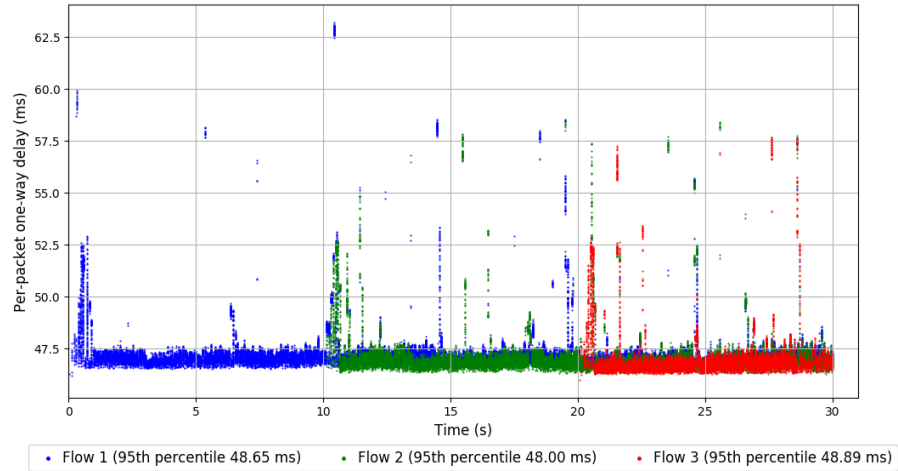
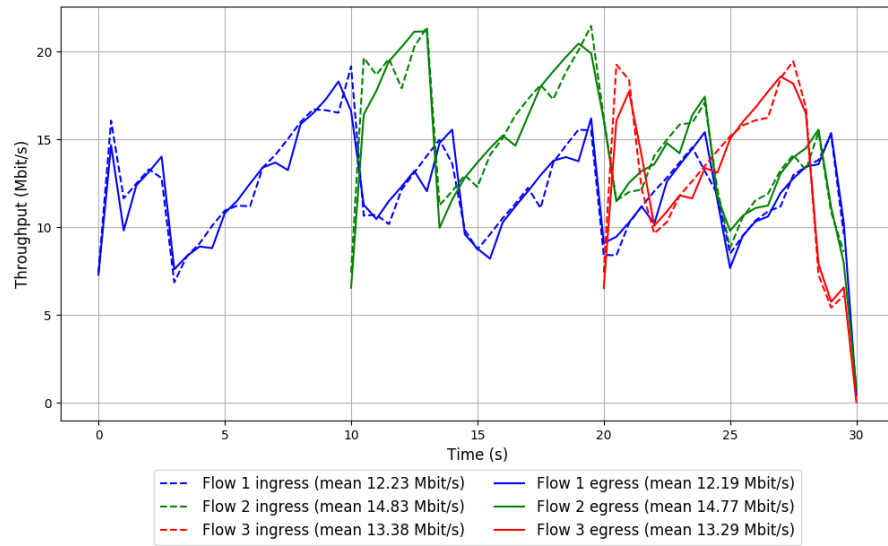


Run 9: Statistics of TCP Vegas

Start at: 2018-01-26 17:13:40
End at: 2018-01-26 17:14:10
Local clock offset: 1.53 ms
Remote clock offset: -5.938 ms

```
# Below is generated by plot.py at 2018-01-26 18:00:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 48.531 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 48.651 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 14.77 Mbit/s
95th percentile per-packet one-way delay: 47.999 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 48.890 ms
Loss rate: 0.72%
```

Run 9: Report of TCP Vegas — Data Link

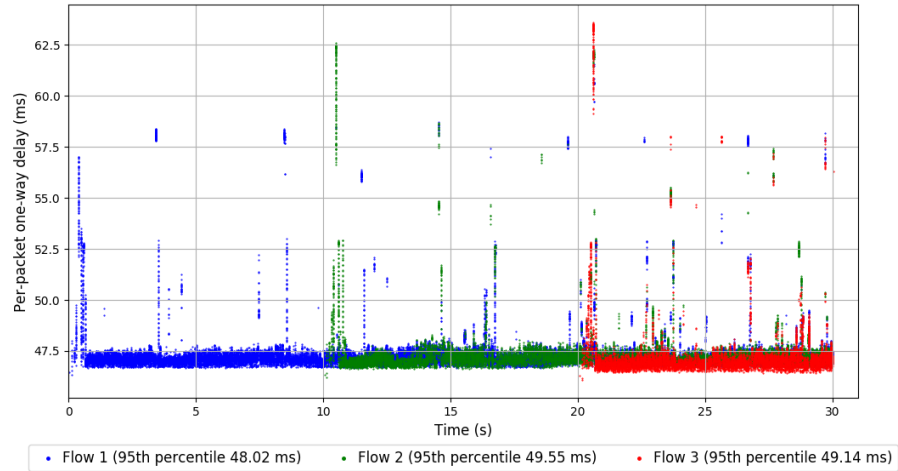
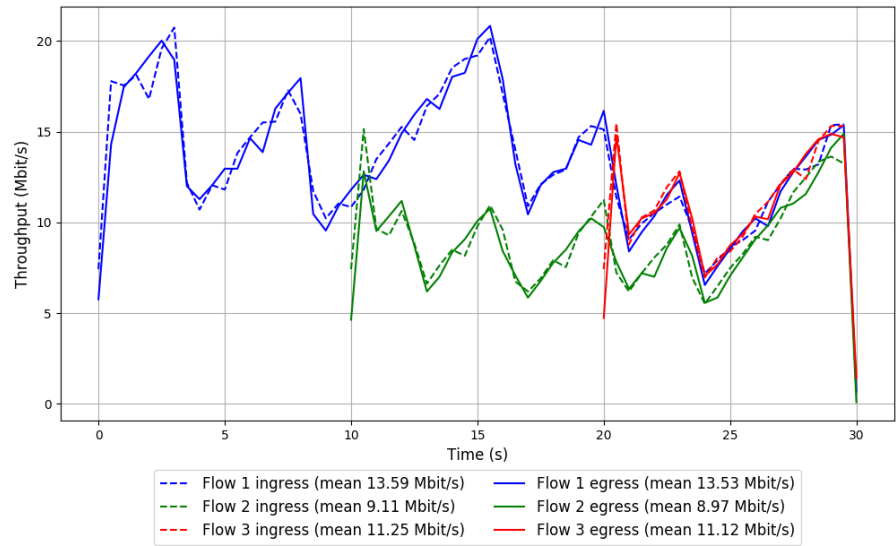


Run 10: Statistics of TCP Vegas

Start at: 2018-01-26 17:33:31
End at: 2018-01-26 17:34:01
Local clock offset: 1.306 ms
Remote clock offset: -6.639 ms

Below is generated by plot.py at 2018-01-26 18:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 48.570 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 48.024 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 8.97 Mbit/s
95th percentile per-packet one-way delay: 49.551 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 49.138 ms
Loss rate: 1.10%

Run 10: Report of TCP Vegas — Data Link

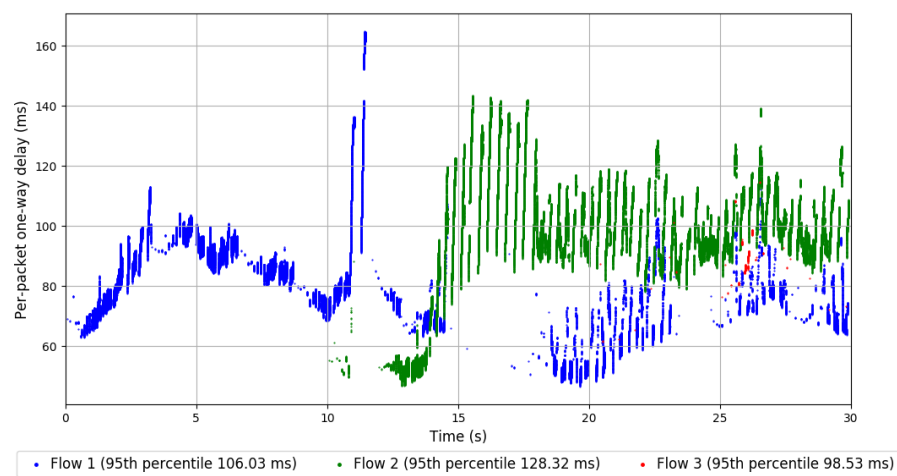
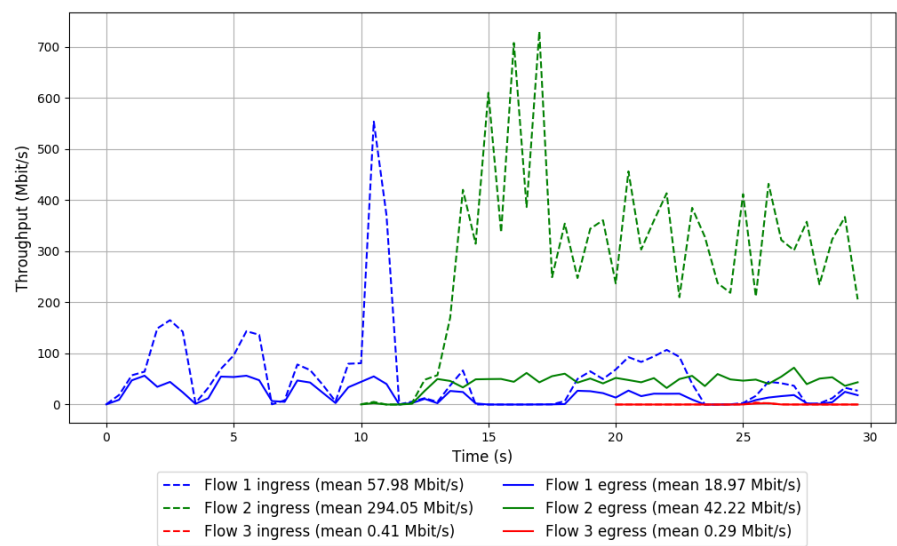


Run 1: Statistics of Verus

Start at: 2018-01-26 14:20:04
End at: 2018-01-26 14:20:34
Local clock offset: 2.838 ms
Remote clock offset: -4.223 ms

Below is generated by plot.py at 2018-01-26 18:00:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 125.686 ms
Loss rate: 81.41%
-- Flow 1:
Average throughput: 18.97 Mbit/s
95th percentile per-packet one-way delay: 106.033 ms
Loss rate: 67.31%
-- Flow 2:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 128.320 ms
Loss rate: 85.62%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 98.535 ms
Loss rate: 29.48%

Run 1: Report of Verus — Data Link

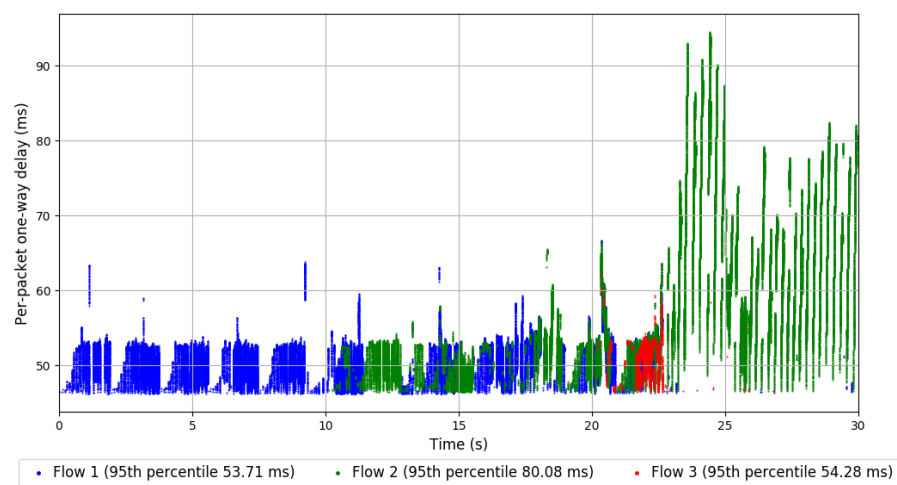
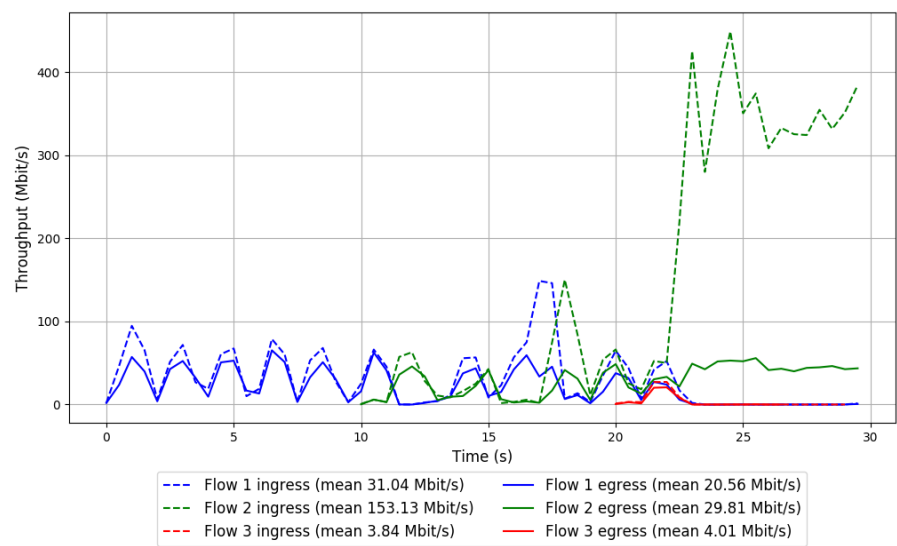


Run 2: Statistics of Verus

Start at: 2018-01-26 14:41:06
End at: 2018-01-26 14:41:36
Local clock offset: 3.455 ms
Remote clock offset: -4.254 ms

Below is generated by plot.py at 2018-01-26 18:00:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 74.558 ms
Loss rate: 69.14%
-- Flow 1:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 53.711 ms
Loss rate: 33.73%
-- Flow 2:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 80.085 ms
Loss rate: 80.50%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 54.281 ms
Loss rate: 23.82%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

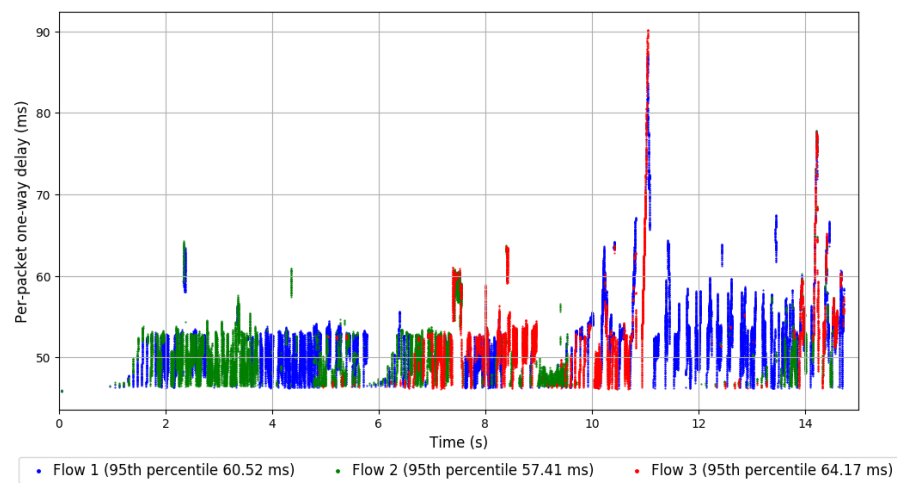
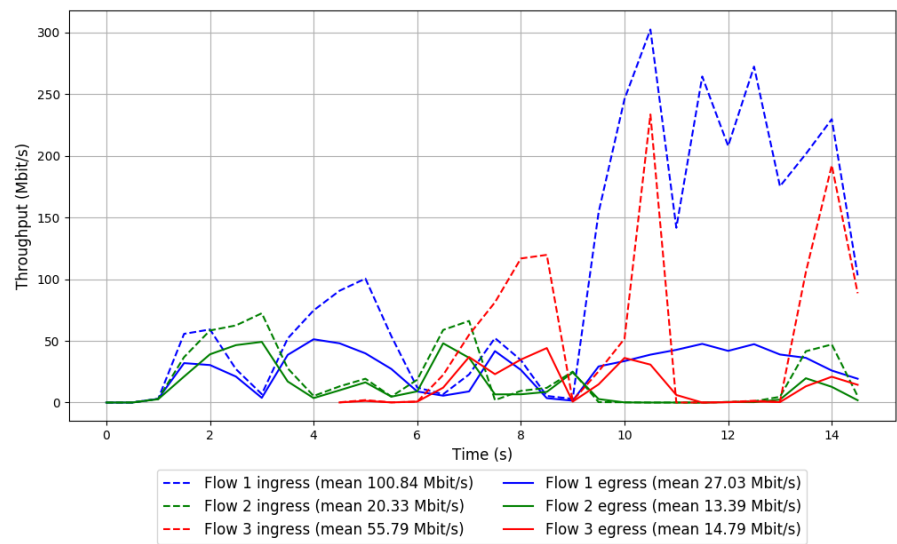
Start at: 2018-01-26 15:02:31

End at: 2018-01-26 15:03:01

Local clock offset: 3.812 ms

Remote clock offset: -4.33 ms

Run 3: Report of Verus — Data Link

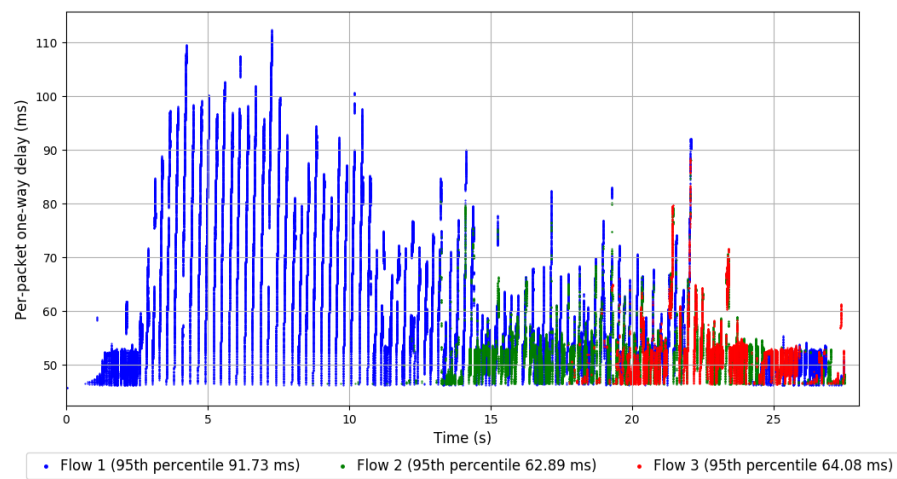
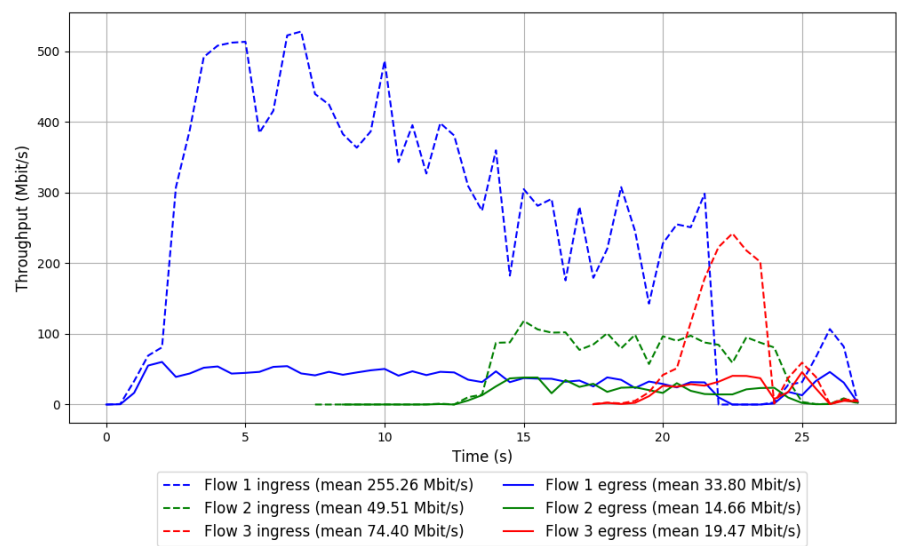


Run 4: Statistics of Verus

Start at: 2018-01-26 15:26:17
End at: 2018-01-26 15:26:47
Local clock offset: 3.649 ms
Remote clock offset: -3.957 ms

Below is generated by plot.py at 2018-01-26 18:00:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.73 Mbit/s
95th percentile per-packet one-way delay: 88.629 ms
Loss rate: 84.00%
-- Flow 1:
Average throughput: 33.80 Mbit/s
95th percentile per-packet one-way delay: 91.729 ms
Loss rate: 86.75%
-- Flow 2:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 62.889 ms
Loss rate: 71.89%
-- Flow 3:
Average throughput: 19.47 Mbit/s
95th percentile per-packet one-way delay: 64.078 ms
Loss rate: 73.84%

Run 4: Report of Verus — Data Link

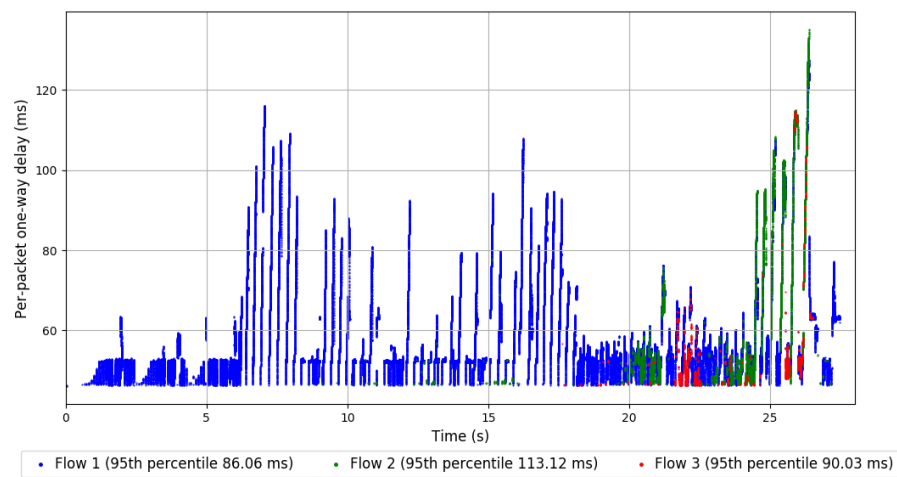
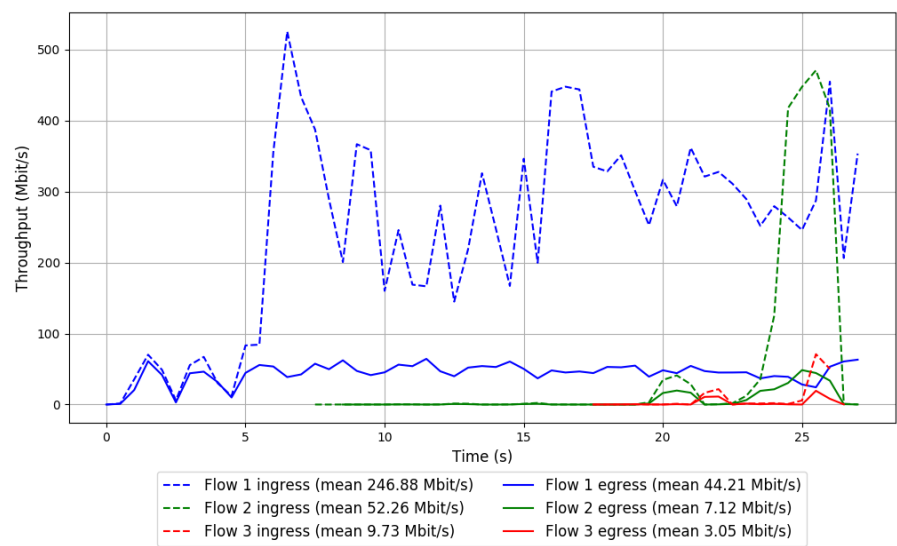


Run 5: Statistics of Verus

Start at: 2018-01-26 15:46:09
End at: 2018-01-26 15:46:39
Local clock offset: 3.099 ms
Remote clock offset: -3.837 ms

Below is generated by plot.py at 2018-01-26 18:00:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: 93.552 ms
Loss rate: 82.58%
-- Flow 1:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: 86.059 ms
Loss rate: 82.08%
-- Flow 2:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 113.125 ms
Loss rate: 87.07%
-- Flow 3:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 90.027 ms
Loss rate: 68.66%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-26 16:06:07

End at: 2018-01-26 16:06:37

Local clock offset: 2.57 ms

Remote clock offset: -4.23 ms

Below is generated by plot.py at 2018-01-26 18:00:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.41 Mbit/s

95th percentile per-packet one-way delay: 96.199 ms

Loss rate: 85.22%

-- Flow 1:

Average throughput: 21.47 Mbit/s

95th percentile per-packet one-way delay: 89.904 ms

Loss rate: 79.01%

-- Flow 2:

Average throughput: 37.76 Mbit/s

95th percentile per-packet one-way delay: 98.888 ms

Loss rate: 88.42%

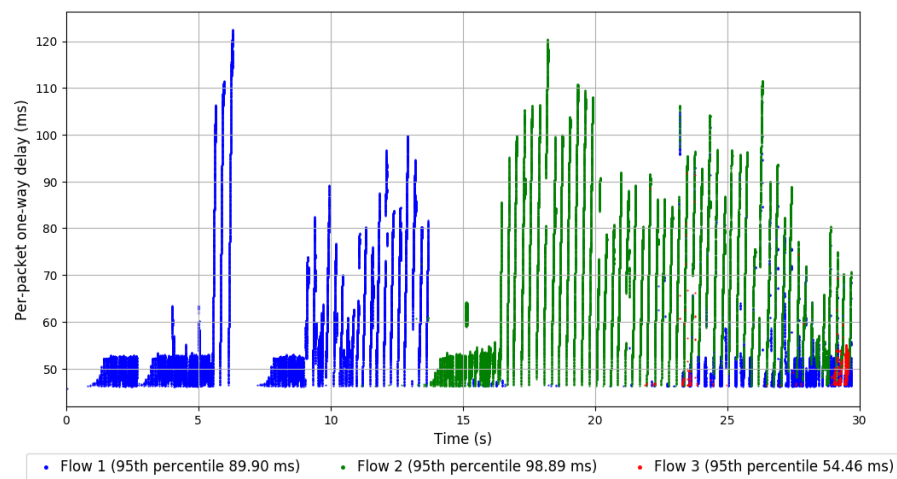
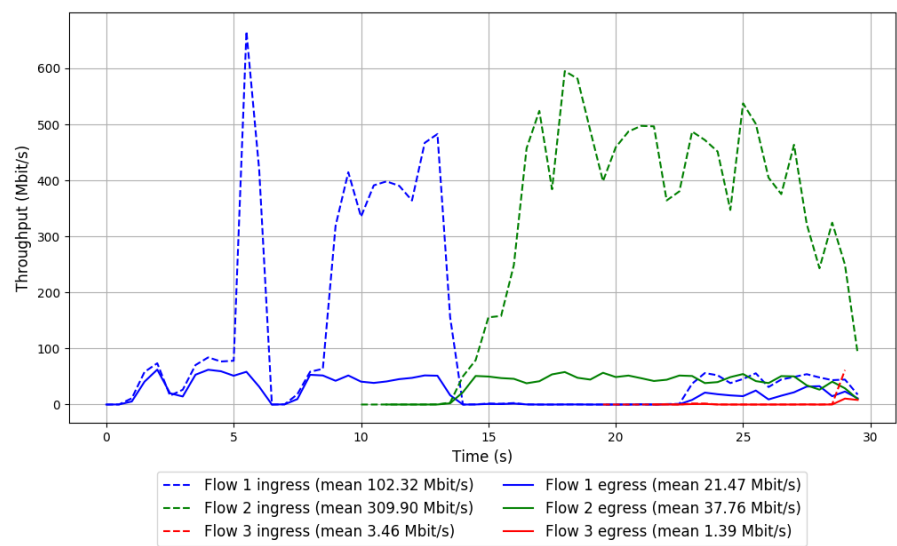
-- Flow 3:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 54.456 ms

Loss rate: 68.09%

Run 6: Report of Verus — Data Link

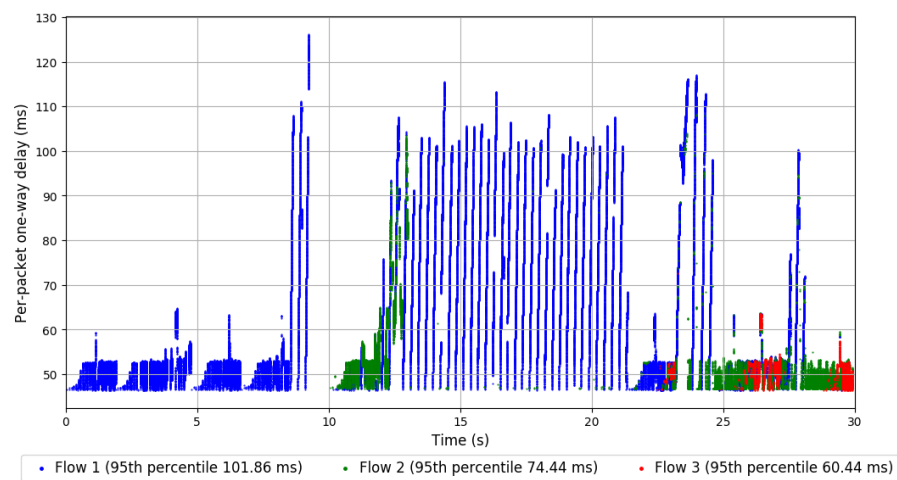
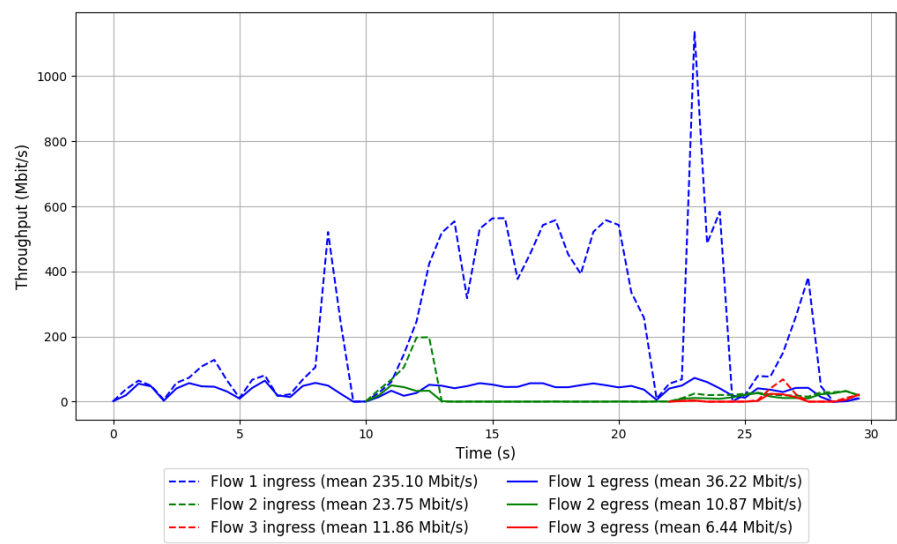


Run 7: Statistics of Verus

Start at: 2018-01-26 16:26:06
End at: 2018-01-26 16:26:36
Local clock offset: 2.136 ms
Remote clock offset: -4.811 ms

Below is generated by plot.py at 2018-01-26 18:00:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 100.662 ms
Loss rate: 82.25%
-- Flow 1:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 101.862 ms
Loss rate: 84.59%
-- Flow 2:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 74.436 ms
Loss rate: 54.22%
-- Flow 3:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 60.437 ms
Loss rate: 45.69%

Run 7: Report of Verus — Data Link

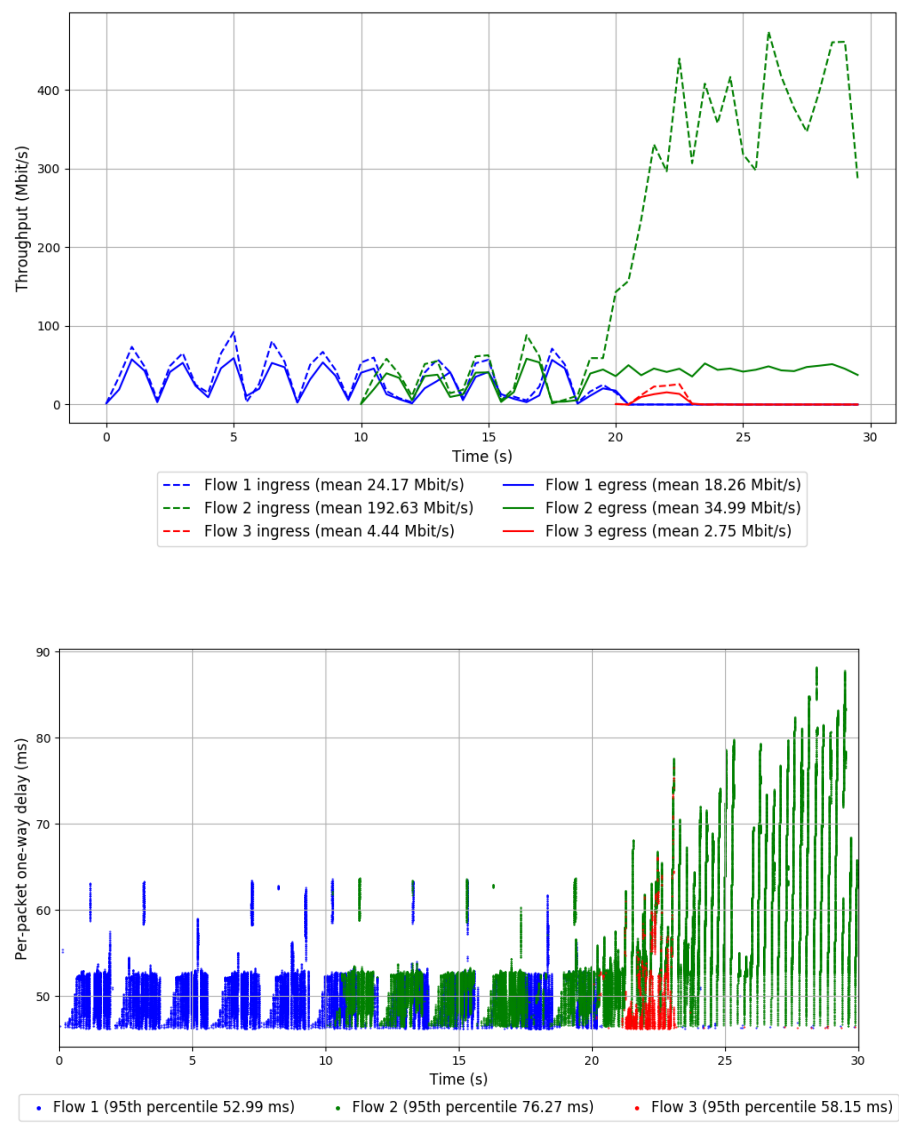


Run 8: Statistics of Verus

Start at: 2018-01-26 16:45:58
End at: 2018-01-26 16:46:28
Local clock offset: 2.111 ms
Remote clock offset: -5.319 ms

Below is generated by plot.py at 2018-01-26 18:00:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.36 Mbit/s
95th percentile per-packet one-way delay: 72.302 ms
Loss rate: 72.39%
-- Flow 1:
Average throughput: 18.26 Mbit/s
95th percentile per-packet one-way delay: 52.987 ms
Loss rate: 24.44%
-- Flow 2:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 76.269 ms
Loss rate: 81.82%
-- Flow 3:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 58.149 ms
Loss rate: 38.11%

Run 8: Report of Verus — Data Link

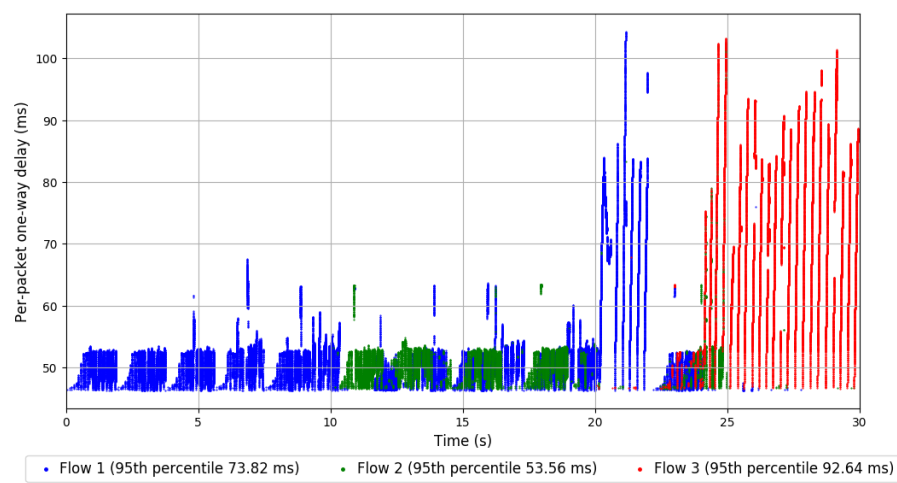
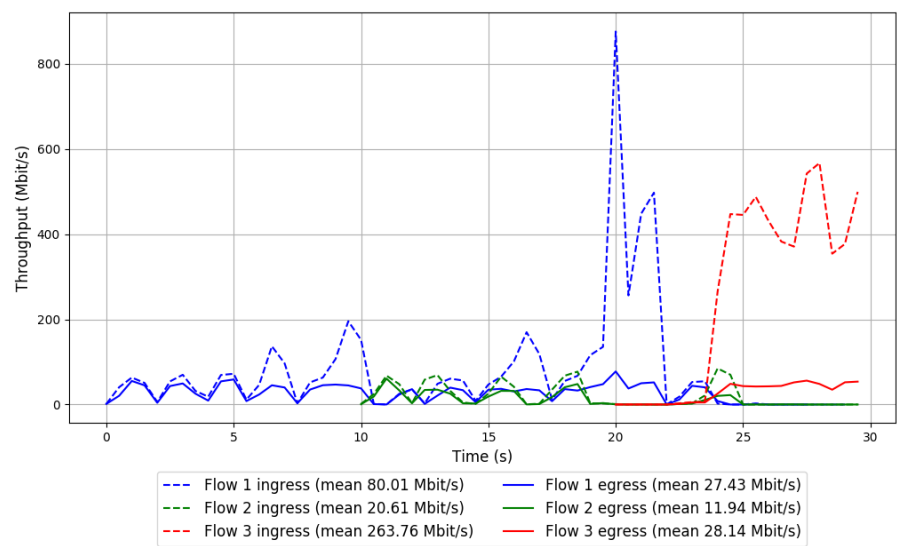


Run 9: Statistics of Verus

Start at: 2018-01-26 17:06:08
End at: 2018-01-26 17:06:38
Local clock offset: 1.614 ms
Remote clock offset: -5.762 ms

Below is generated by plot.py at 2018-01-26 18:01:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 83.390 ms
Loss rate: 76.15%
-- Flow 1:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 73.824 ms
Loss rate: 67.49%
-- Flow 2:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 53.561 ms
Loss rate: 42.32%
-- Flow 3:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 92.641 ms
Loss rate: 89.29%

Run 9: Report of Verus — Data Link

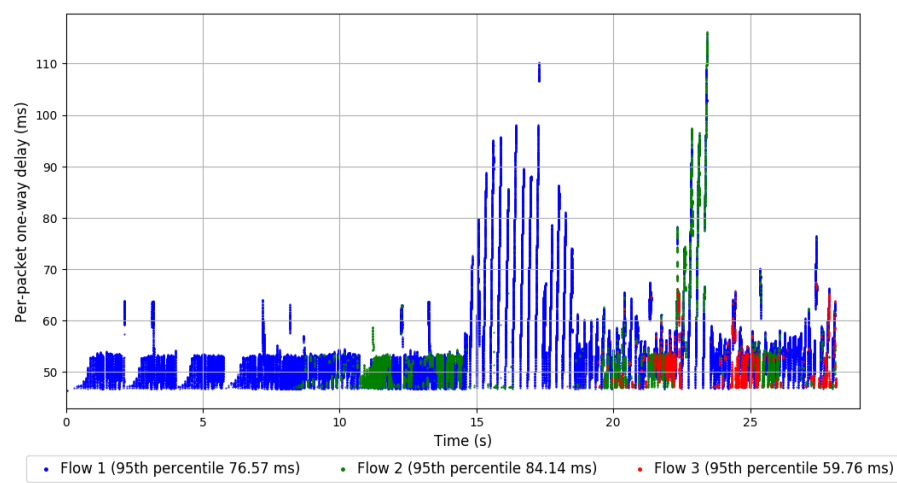
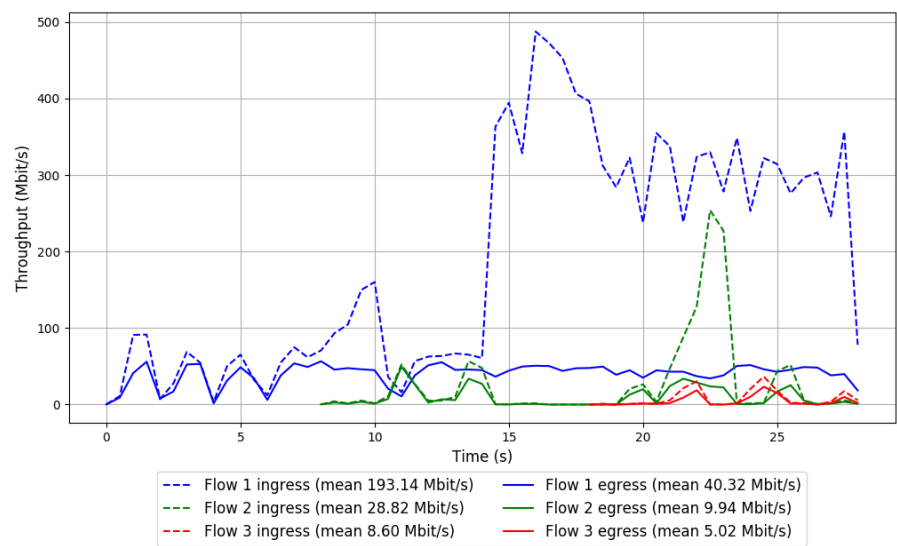


Run 10: Statistics of Verus

Start at: 2018-01-26 17:26:00
End at: 2018-01-26 17:26:30
Local clock offset: 1.009 ms
Remote clock offset: -6.288 ms

Below is generated by plot.py at 2018-01-26 18:01:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 77.043 ms
Loss rate: 77.31%
-- Flow 1:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 76.570 ms
Loss rate: 79.11%
-- Flow 2:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: 84.141 ms
Loss rate: 65.52%
-- Flow 3:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 59.755 ms
Loss rate: 41.64%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-26 14:30:18

End at: 2018-01-26 14:30:48

Local clock offset: 0.578 ms

Remote clock offset: -4.27 ms

Below is generated by plot.py at 2018-01-26 18:01:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.77 Mbit/s

95th percentile per-packet one-way delay: 66.957 ms

Loss rate: 1.98%

-- Flow 1:

Average throughput: 27.95 Mbit/s

95th percentile per-packet one-way delay: 66.665 ms

Loss rate: 1.65%

-- Flow 2:

Average throughput: 17.84 Mbit/s

95th percentile per-packet one-way delay: 66.998 ms

Loss rate: 2.28%

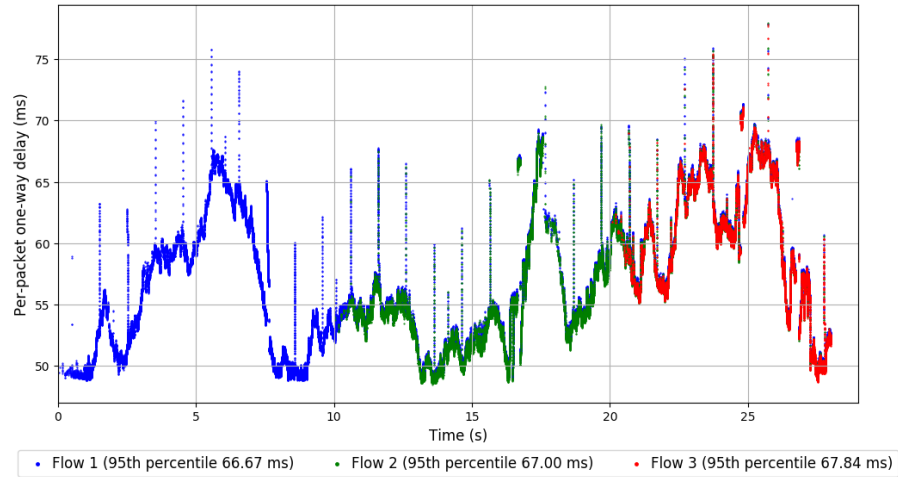
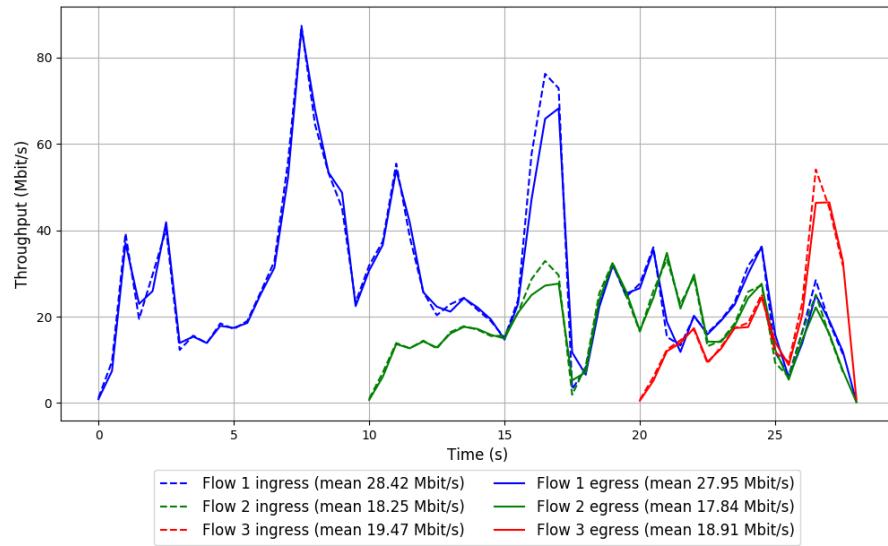
-- Flow 3:

Average throughput: 18.91 Mbit/s

95th percentile per-packet one-way delay: 67.843 ms

Loss rate: 3.00%

Run 1: Report of Copa — Data Link

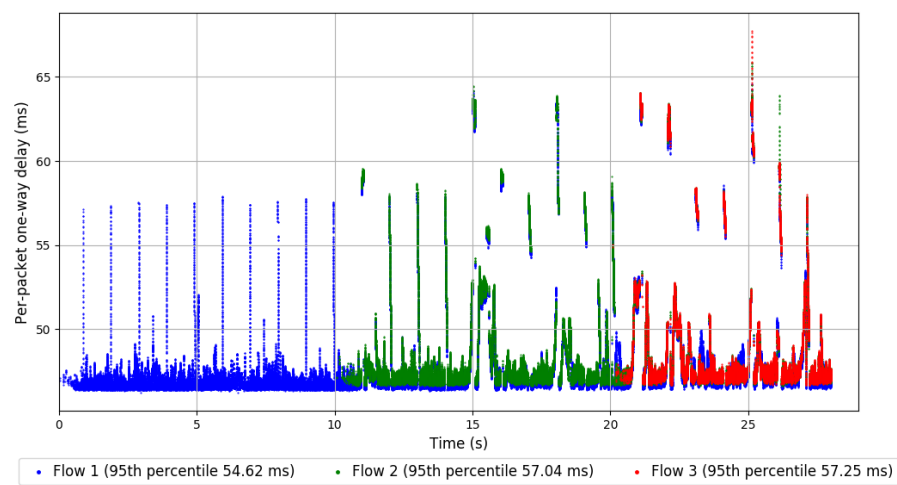
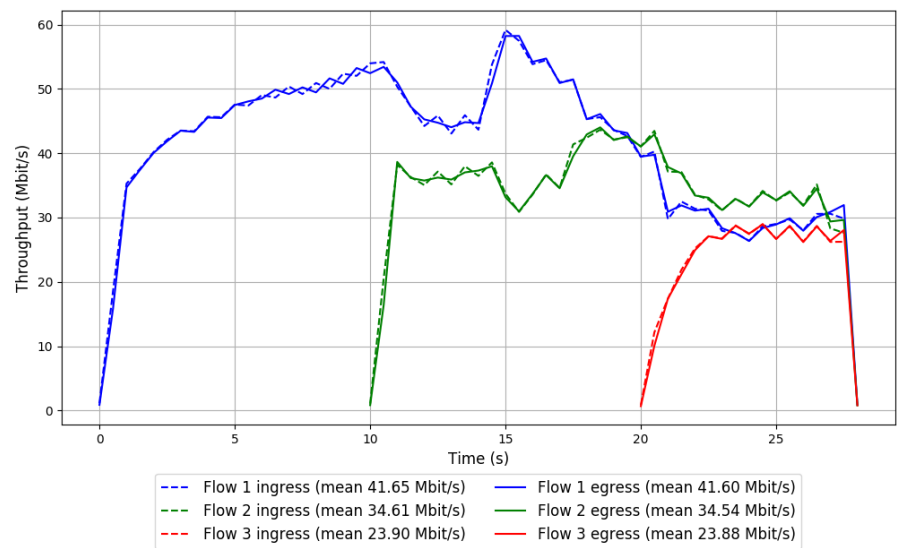


Run 2: Statistics of Copa

Start at: 2018-01-26 14:51:05
End at: 2018-01-26 14:51:35
Local clock offset: 3.528 ms
Remote clock offset: -4.202 ms

Below is generated by plot.py at 2018-01-26 18:02:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 55.840 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 41.60 Mbit/s
95th percentile per-packet one-way delay: 54.619 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 34.54 Mbit/s
95th percentile per-packet one-way delay: 57.036 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 57.252 ms
Loss rate: 0.17%

Run 2: Report of Copa — Data Link

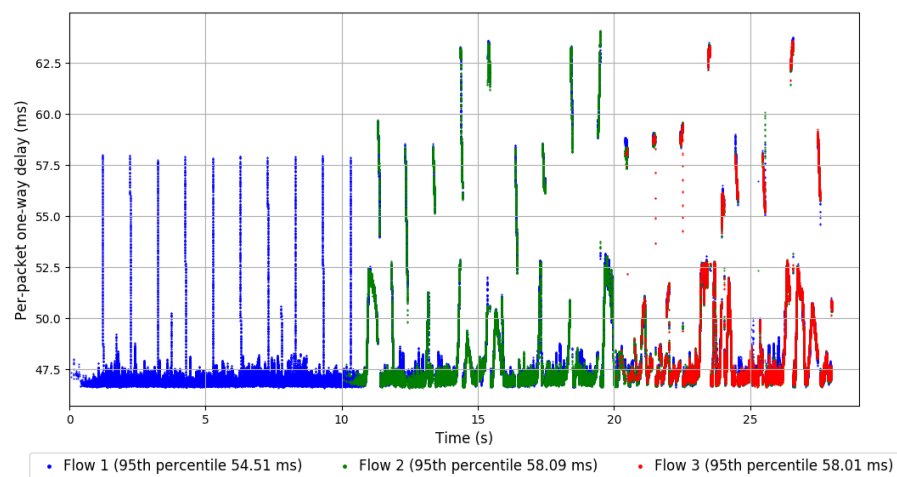
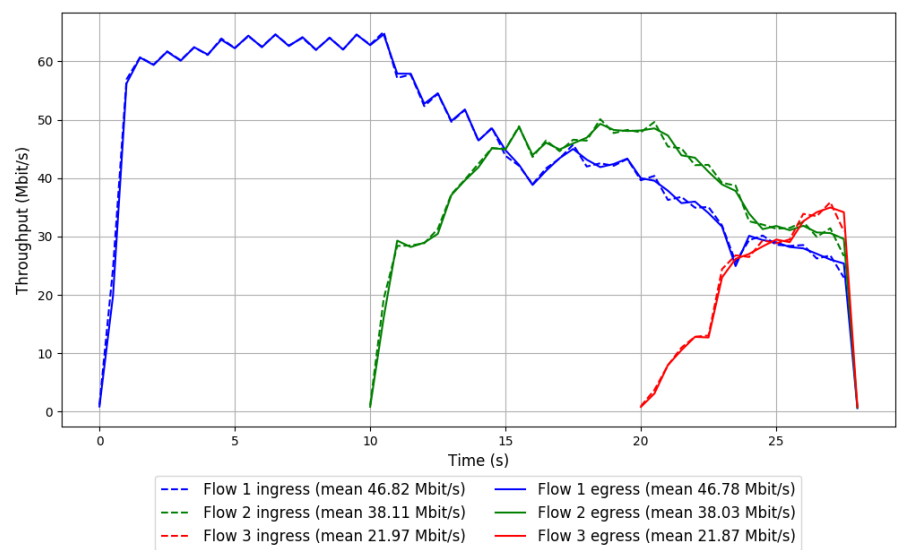


Run 3: Statistics of Copa

Start at: 2018-01-26 15:16:28
End at: 2018-01-26 15:16:58
Local clock offset: 3.664 ms
Remote clock offset: -4.044 ms

Below is generated by plot.py at 2018-01-26 18:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.40 Mbit/s
95th percentile per-packet one-way delay: 56.575 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 54.514 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 58.095 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 21.87 Mbit/s
95th percentile per-packet one-way delay: 58.011 ms
Loss rate: 0.38%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-26 15:36:19

End at: 2018-01-26 15:36:49

Local clock offset: 3.078 ms

Remote clock offset: -3.97 ms

Below is generated by plot.py at 2018-01-26 18:02:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.35 Mbit/s

95th percentile per-packet one-way delay: 56.723 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 58.25 Mbit/s

95th percentile per-packet one-way delay: 55.305 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 57.986 ms

Loss rate: 0.17%

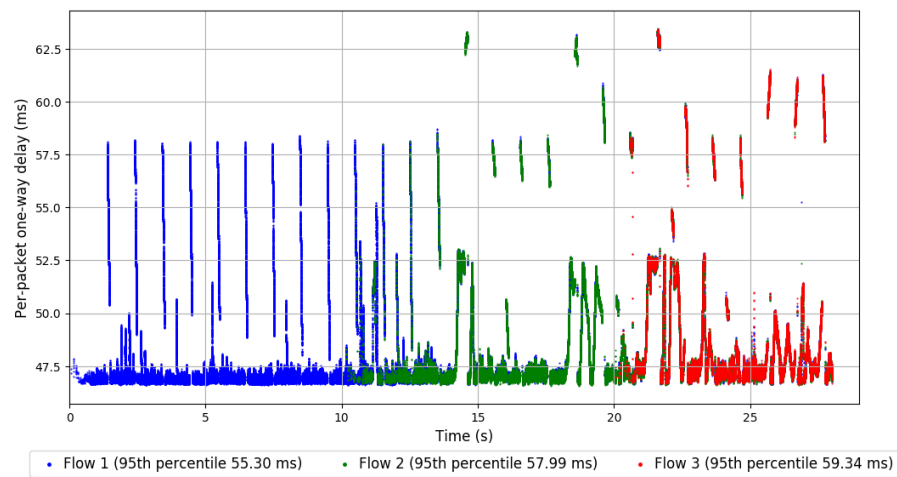
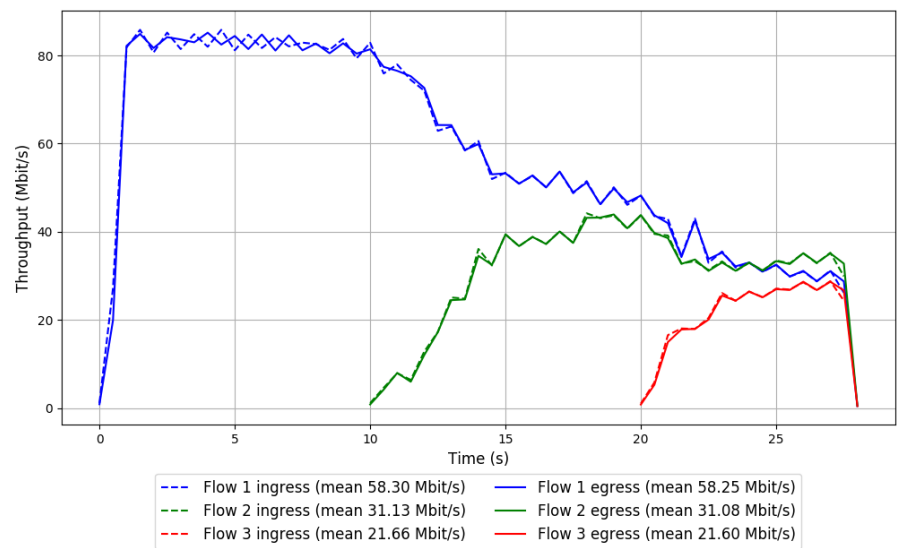
-- Flow 3:

Average throughput: 21.60 Mbit/s

95th percentile per-packet one-way delay: 59.343 ms

Loss rate: 0.28%

Run 4: Report of Copa — Data Link

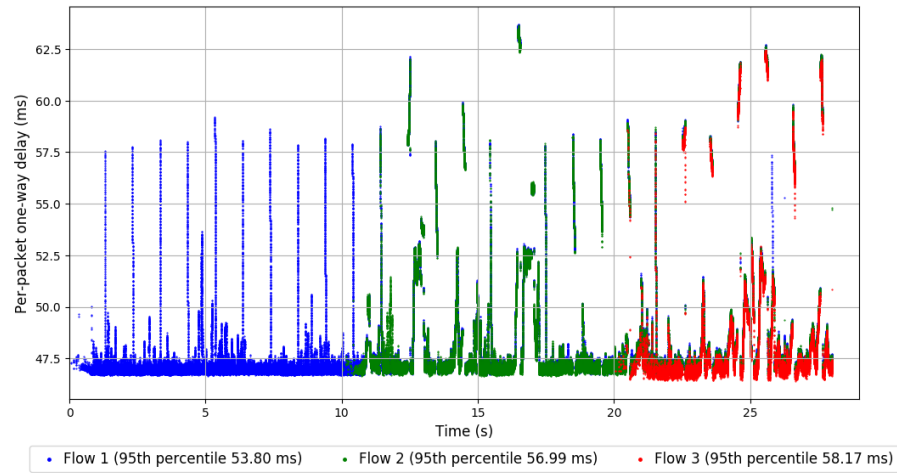
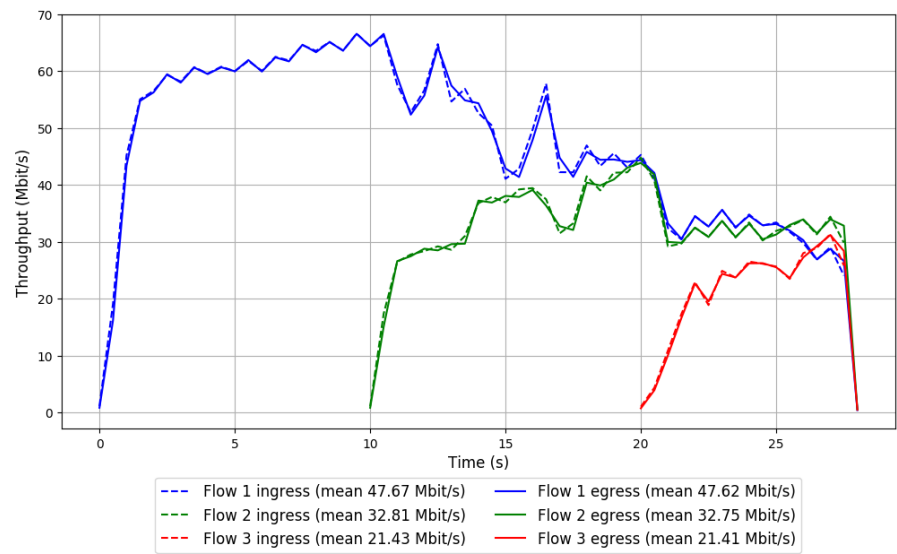


Run 5: Statistics of Copa

Start at: 2018-01-26 15:56:18
End at: 2018-01-26 15:56:48
Local clock offset: 2.576 ms
Remote clock offset: -3.866 ms

Below is generated by plot.py at 2018-01-26 18:02:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.73 Mbit/s
95th percentile per-packet one-way delay: 55.687 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 53.804 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 56.992 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 58.170 ms
Loss rate: 0.02%

Run 5: Report of Copa — Data Link

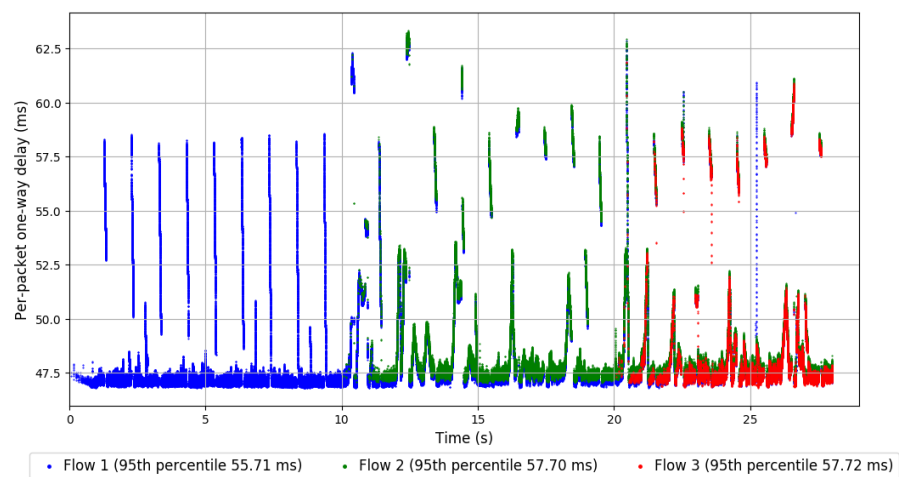
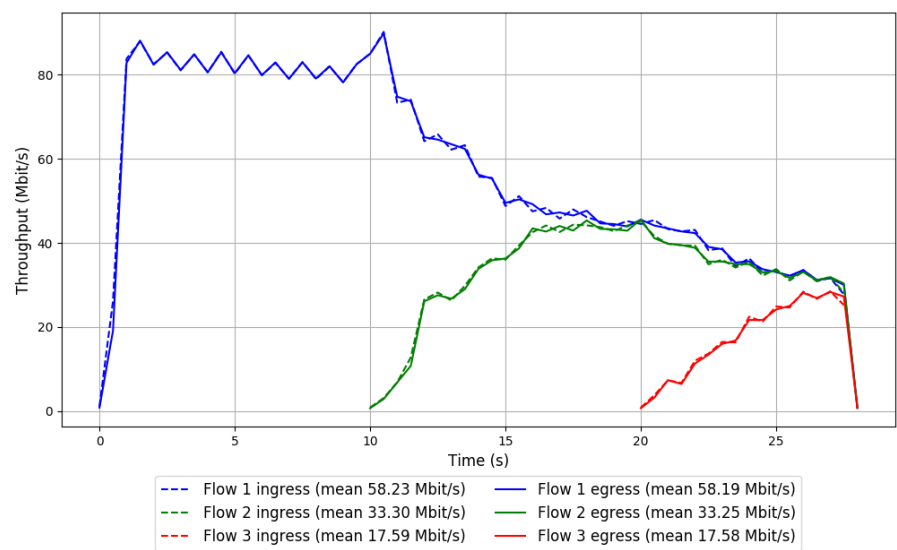


Run 6: Statistics of Copa

Start at: 2018-01-26 16:16:16
End at: 2018-01-26 16:16:46
Local clock offset: 1.845 ms
Remote clock offset: -4.537 ms

Below is generated by plot.py at 2018-01-26 18:02:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 56.660 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.19 Mbit/s
95th percentile per-packet one-way delay: 55.714 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 57.702 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 57.721 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

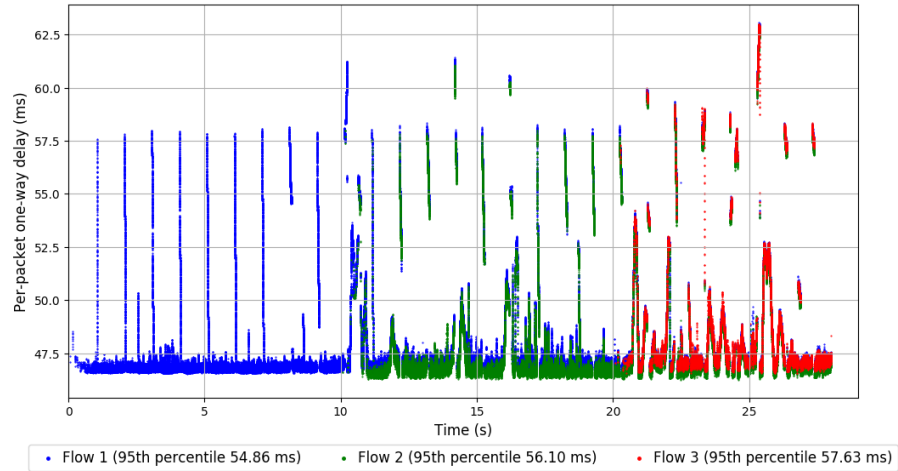
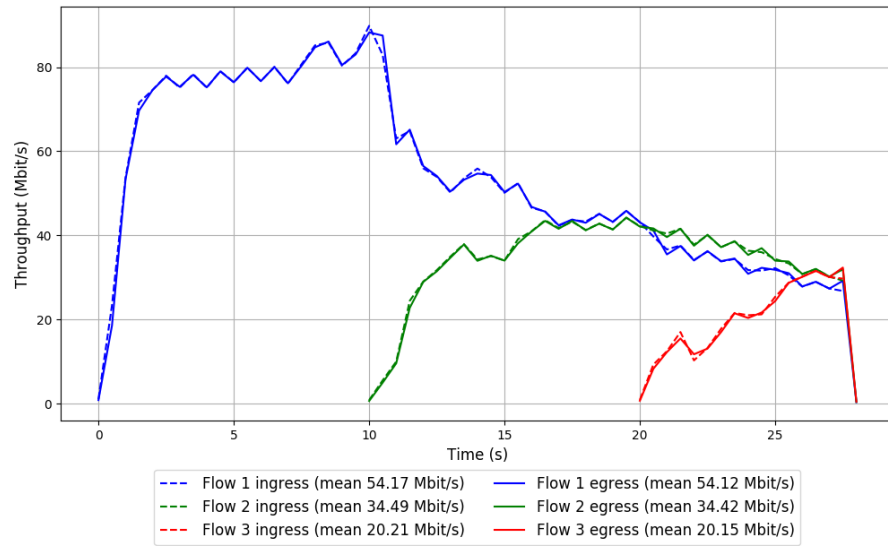


Run 7: Statistics of Copa

Start at: 2018-01-26 16:36:08
End at: 2018-01-26 16:36:38
Local clock offset: 2.259 ms
Remote clock offset: -5.037 ms

Below is generated by plot.py at 2018-01-26 18:03:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 55.372 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 54.863 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.42 Mbit/s
95th percentile per-packet one-way delay: 56.098 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 20.15 Mbit/s
95th percentile per-packet one-way delay: 57.627 ms
Loss rate: 0.26%

Run 7: Report of Copa — Data Link

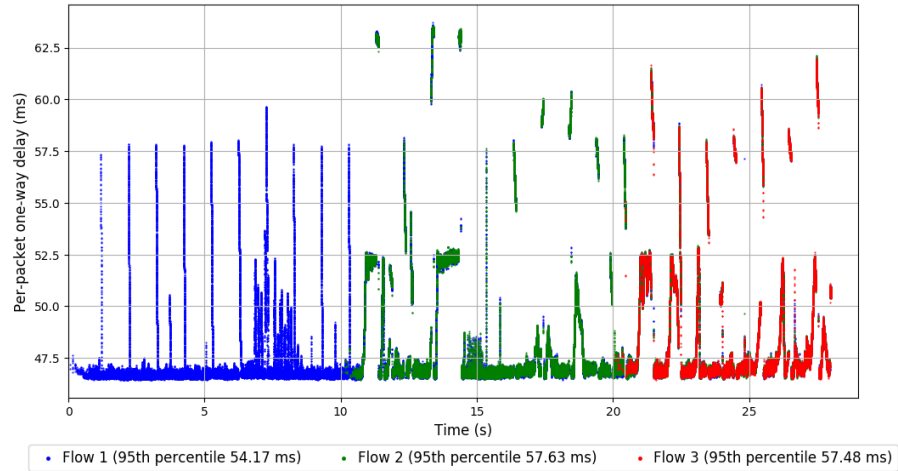
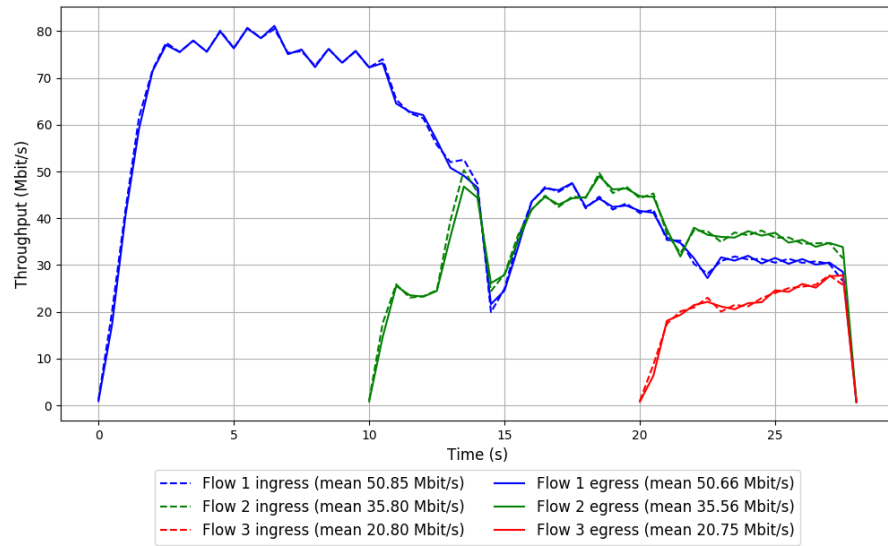


Run 8: Statistics of Copa

Start at: 2018-01-26 16:55:59
End at: 2018-01-26 16:56:29
Local clock offset: 1.668 ms
Remote clock offset: -5.538 ms

Below is generated by plot.py at 2018-01-26 18:03:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 56.209 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 50.66 Mbit/s
95th percentile per-packet one-way delay: 54.172 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 35.56 Mbit/s
95th percentile per-packet one-way delay: 57.632 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 57.478 ms
Loss rate: 0.23%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-26 17:16:10

End at: 2018-01-26 17:16:40

Local clock offset: 1.606 ms

Remote clock offset: -6.0 ms

Below is generated by plot.py at 2018-01-26 18:03:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.50 Mbit/s

95th percentile per-packet one-way delay: 56.651 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 57.05 Mbit/s

95th percentile per-packet one-way delay: 56.280 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 31.75 Mbit/s

95th percentile per-packet one-way delay: 57.142 ms

Loss rate: 0.11%

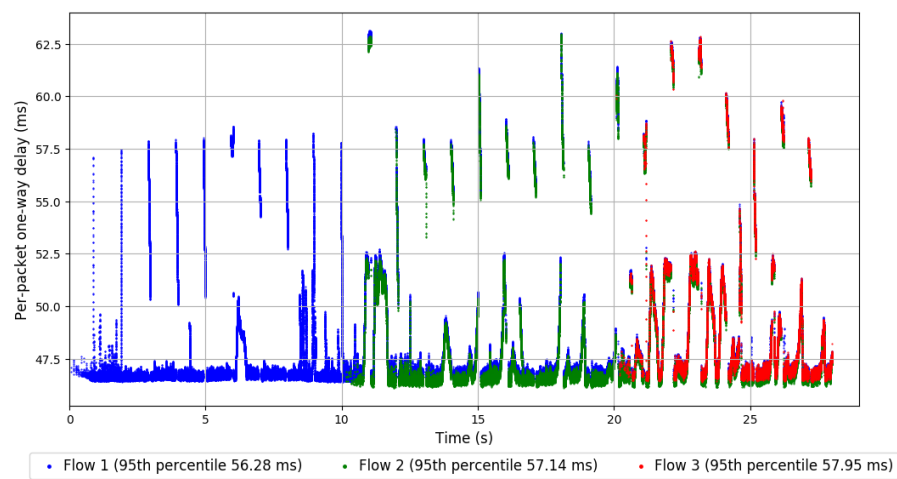
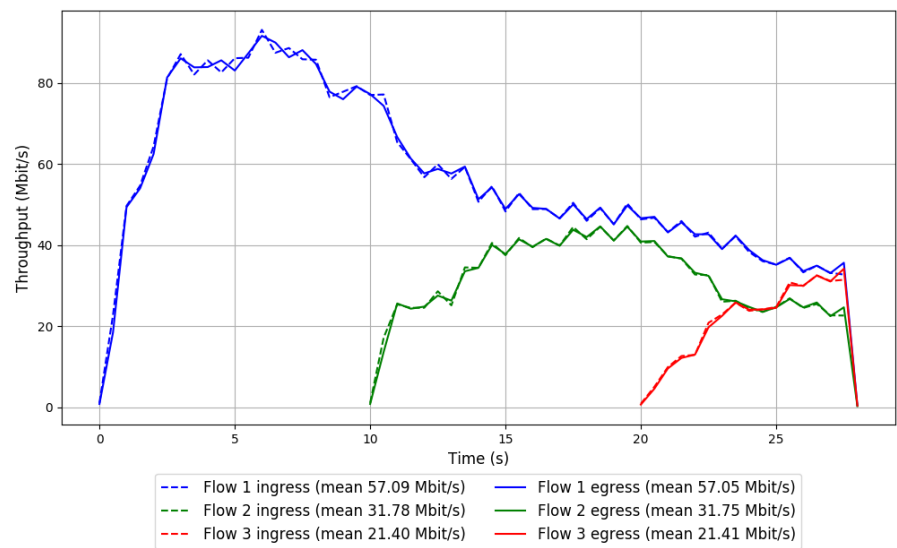
-- Flow 3:

Average throughput: 21.41 Mbit/s

95th percentile per-packet one-way delay: 57.954 ms

Loss rate: 0.11%

Run 9: Report of Copa — Data Link

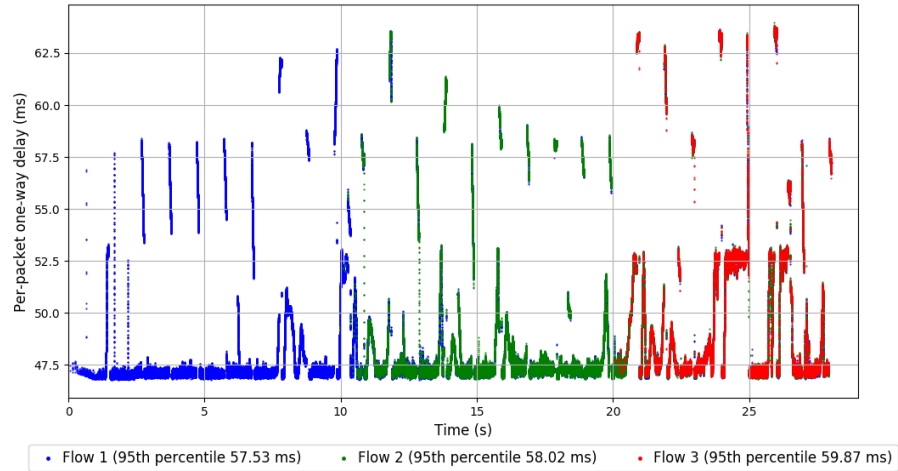
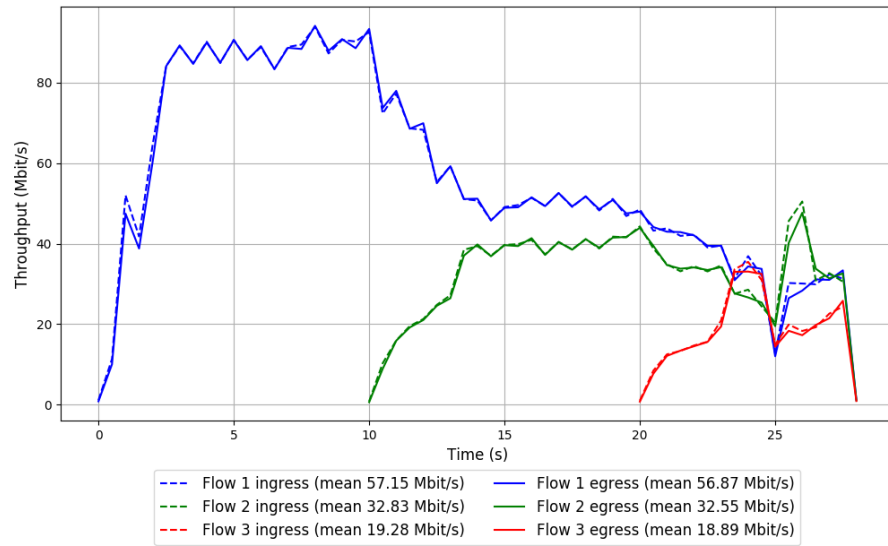


Run 10: Statistics of Copa

Start at: 2018-01-26 17:36:00
End at: 2018-01-26 17:36:30
Local clock offset: 0.795 ms
Remote clock offset: -6.781 ms

Below is generated by plot.py at 2018-01-26 18:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 57.768 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 57.529 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 32.55 Mbit/s
95th percentile per-packet one-way delay: 58.023 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 59.865 ms
Loss rate: 1.92%

Run 10: Report of Copa — Data Link

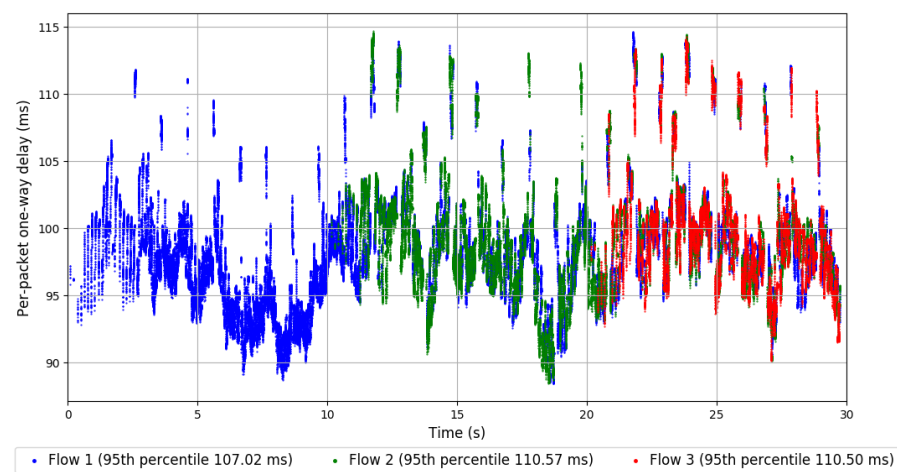
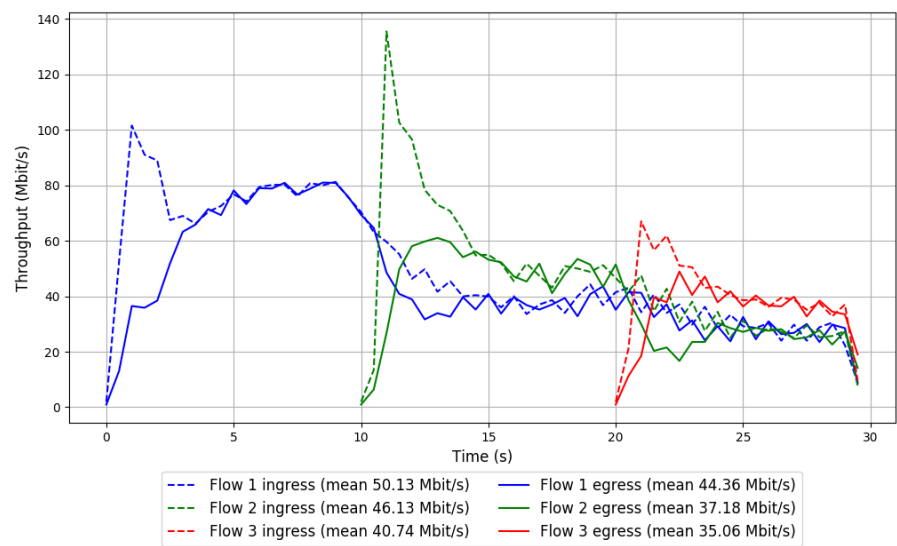


Run 1: Statistics of Indigo-2-256

Start at: 2018-01-26 14:25:07
End at: 2018-01-26 14:25:37
Local clock offset: 3.135 ms
Remote clock offset: -4.205 ms

Below is generated by plot.py at 2018-01-26 18:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.26 Mbit/s
95th percentile per-packet one-way delay: 109.210 ms
Loss rate: 14.43%
-- Flow 1:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 107.022 ms
Loss rate: 11.52%
-- Flow 2:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 110.572 ms
Loss rate: 19.43%
-- Flow 3:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 110.504 ms
Loss rate: 13.98%

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

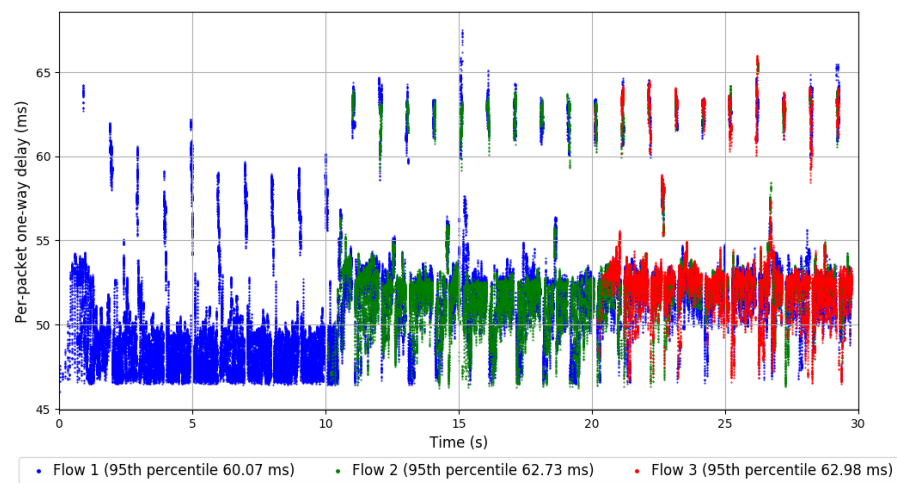
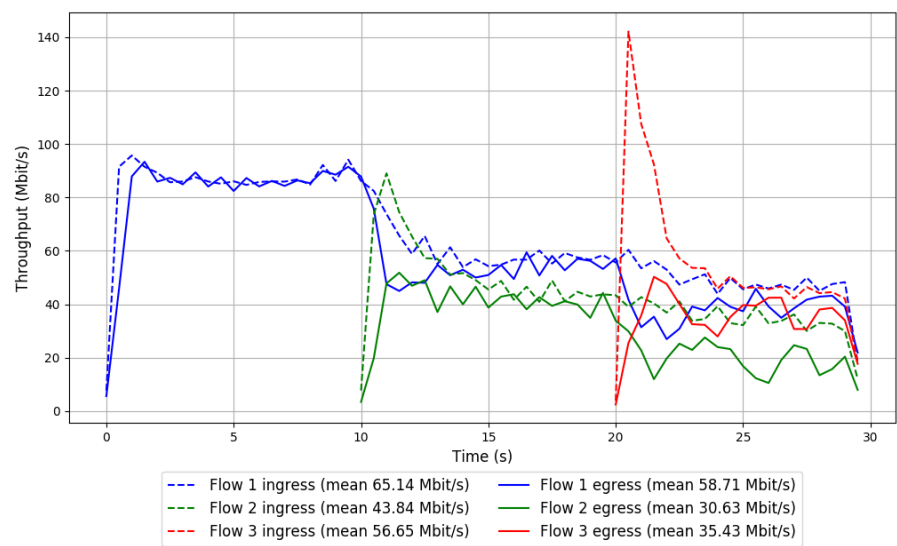


Run 2: Statistics of Indigo-2-256

Start at: 2018-01-26 14:46:01
End at: 2018-01-26 14:46:31
Local clock offset: 3.618 ms
Remote clock offset: -4.225 ms

Below is generated by plot.py at 2018-01-26 18:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.41 Mbit/s
95th percentile per-packet one-way delay: 61.754 ms
Loss rate: 19.59%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 60.070 ms
Loss rate: 9.85%
-- Flow 2:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 62.725 ms
Loss rate: 30.12%
-- Flow 3:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 62.982 ms
Loss rate: 37.51%

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

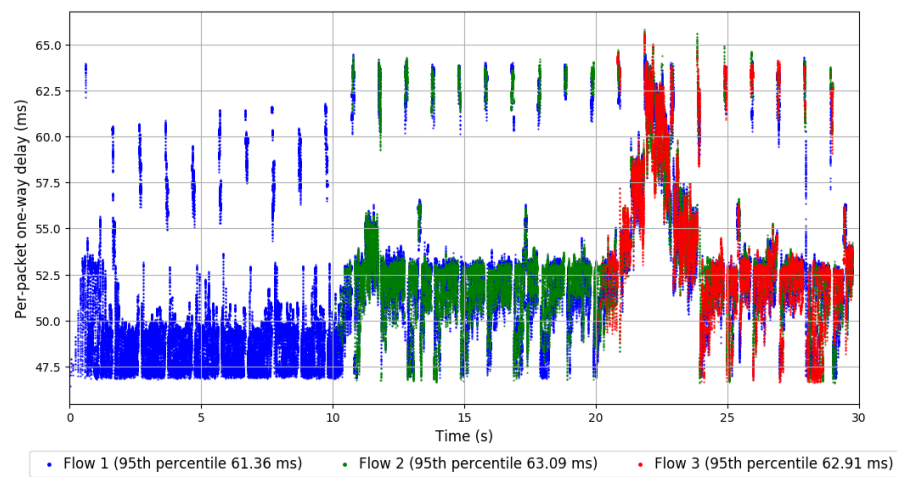
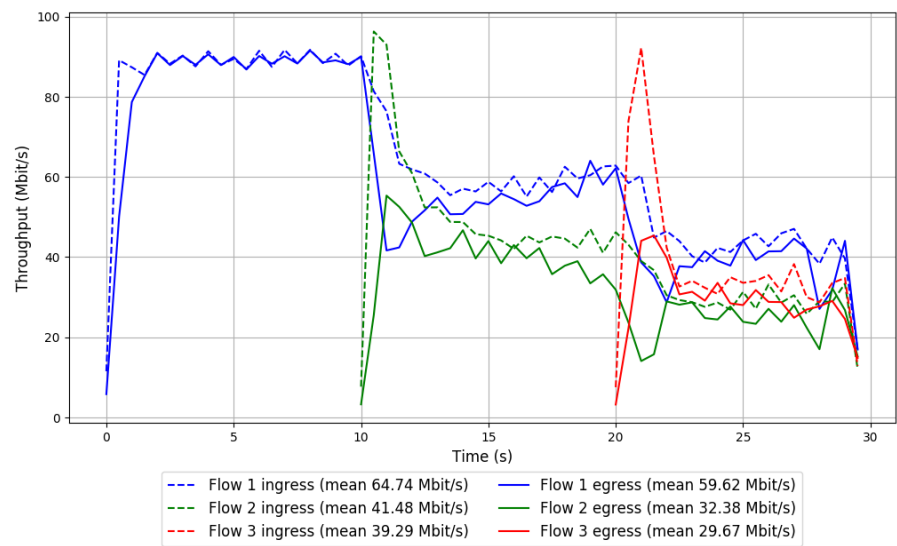


Run 3: Statistics of Indigo-2-256

Start at: 2018-01-26 15:09:16
End at: 2018-01-26 15:09:46
Local clock offset: 3.466 ms
Remote clock offset: -4.246 ms

Below is generated by plot.py at 2018-01-26 18:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.70 Mbit/s
95th percentile per-packet one-way delay: 62.177 ms
Loss rate: 13.57%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 61.363 ms
Loss rate: 7.88%
-- Flow 2:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 63.093 ms
Loss rate: 21.92%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 62.908 ms
Loss rate: 24.45%

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

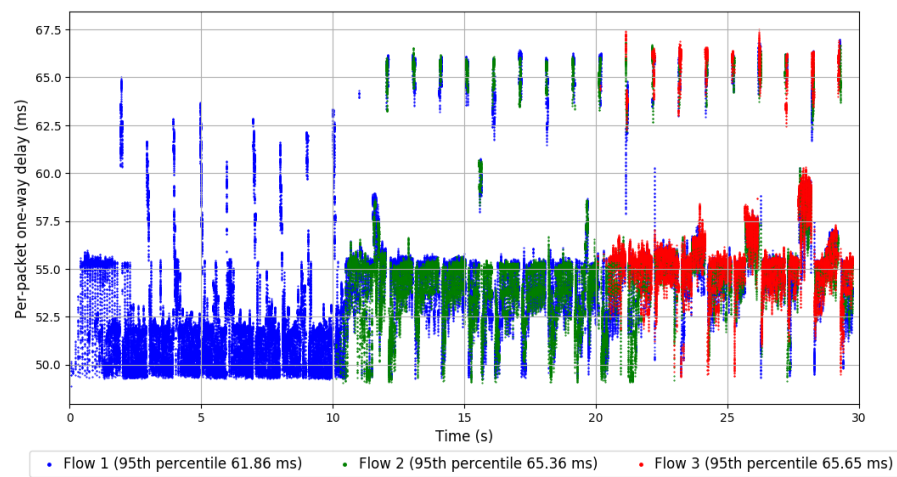
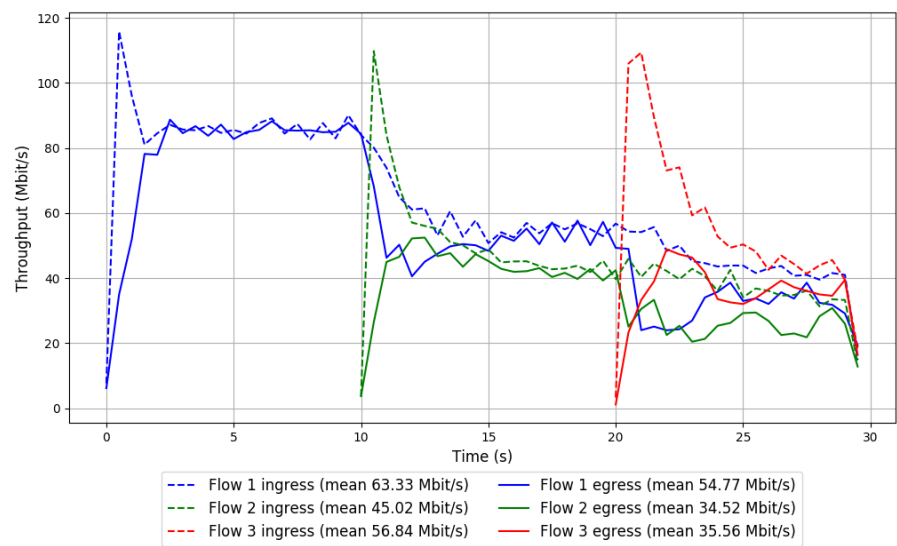


Run 4: Statistics of Indigo-2-256

Start at: 2018-01-26 15:31:14
End at: 2018-01-26 15:31:44
Local clock offset: 0.628 ms
Remote clock offset: -3.982 ms

Below is generated by plot.py at 2018-01-26 18:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 64.259 ms
Loss rate: 20.09%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 61.862 ms
Loss rate: 13.51%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 65.363 ms
Loss rate: 23.31%
-- Flow 3:
Average throughput: 35.56 Mbit/s
95th percentile per-packet one-way delay: 65.646 ms
Loss rate: 37.44%

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

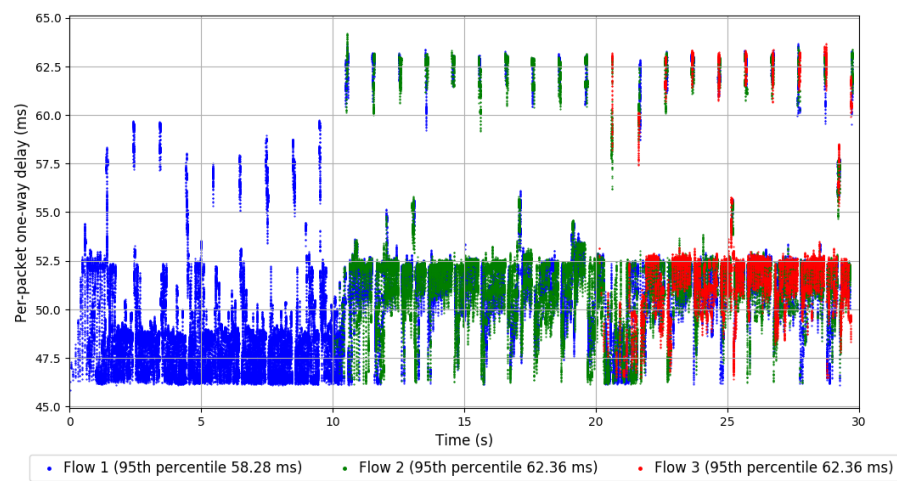
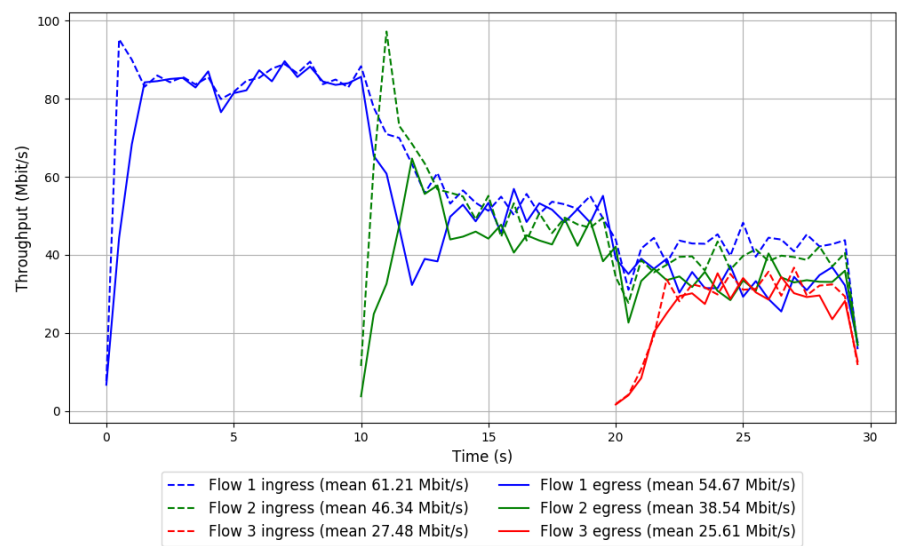


Run 5: Statistics of Indigo-2-256

Start at: 2018-01-26 15:51:13
End at: 2018-01-26 15:51:43
Local clock offset: 2.912 ms
Remote clock offset: -3.866 ms

Below is generated by plot.py at 2018-01-26 18:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 61.583 ms
Loss rate: 12.16%
-- Flow 1:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 58.282 ms
Loss rate: 10.63%
-- Flow 2:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 62.359 ms
Loss rate: 16.77%
-- Flow 3:
Average throughput: 25.61 Mbit/s
95th percentile per-packet one-way delay: 62.363 ms
Loss rate: 6.73%

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

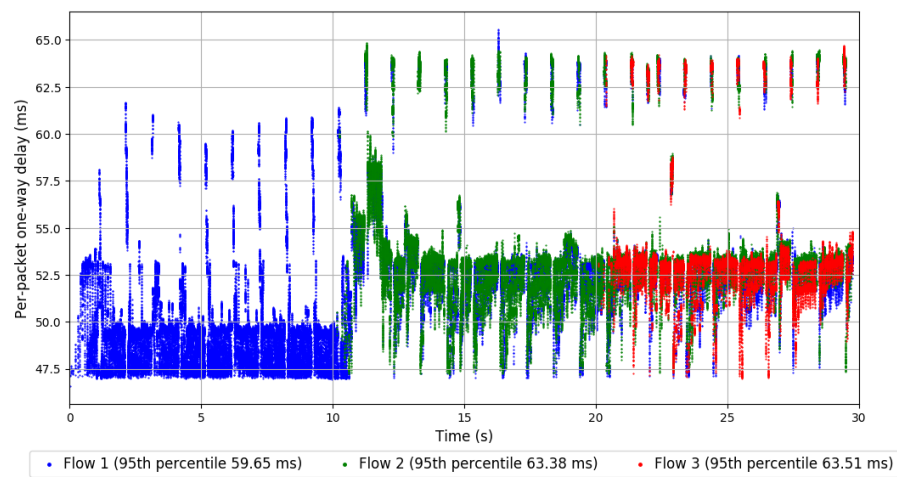
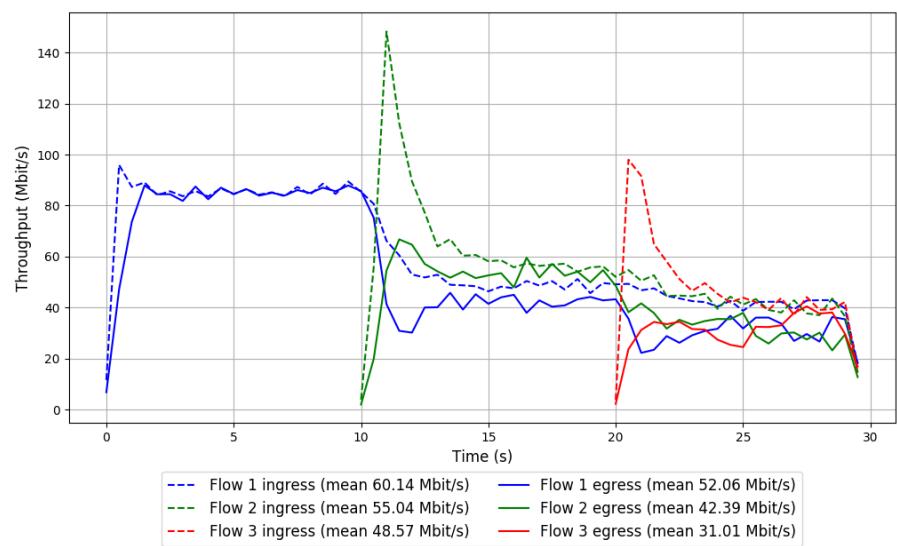


Run 6: Statistics of Indigo-2-256

Start at: 2018-01-26 16:11:11
End at: 2018-01-26 16:11:41
Local clock offset: 1.716 ms
Remote clock offset: -4.434 ms

Below is generated by plot.py at 2018-01-26 18:04:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 62.633 ms
Loss rate: 19.70%
-- Flow 1:
Average throughput: 52.06 Mbit/s
95th percentile per-packet one-way delay: 59.649 ms
Loss rate: 13.42%
-- Flow 2:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 63.377 ms
Loss rate: 22.97%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 63.508 ms
Loss rate: 36.14%

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



Run 7: Statistics of Indigo-2-256

Start at: 2018-01-26 16:31:03

End at: 2018-01-26 16:31:33

Local clock offset: 1.736 ms

Remote clock offset: -4.94 ms

Below is generated by plot.py at 2018-01-26 18:04:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.44 Mbit/s

95th percentile per-packet one-way delay: 62.417 ms

Loss rate: 17.16%

-- Flow 1:

Average throughput: 56.26 Mbit/s

95th percentile per-packet one-way delay: 61.134 ms

Loss rate: 10.61%

-- Flow 2:

Average throughput: 34.34 Mbit/s

95th percentile per-packet one-way delay: 62.866 ms

Loss rate: 21.84%

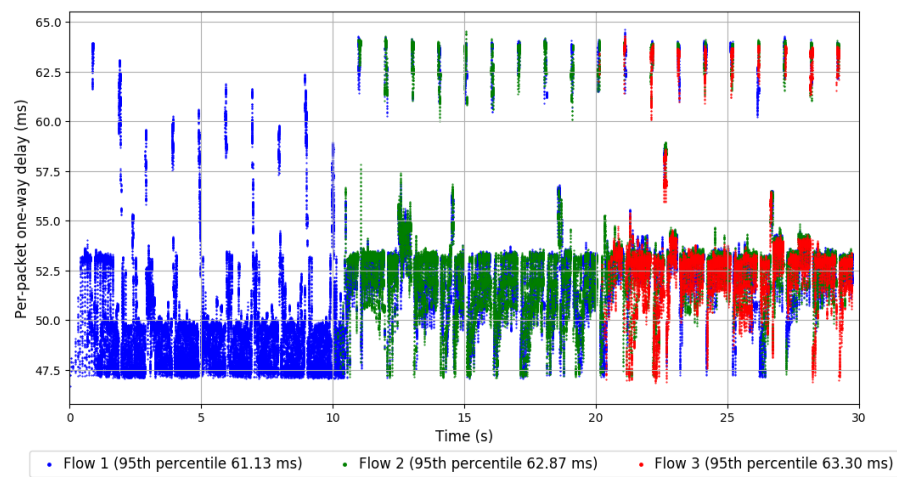
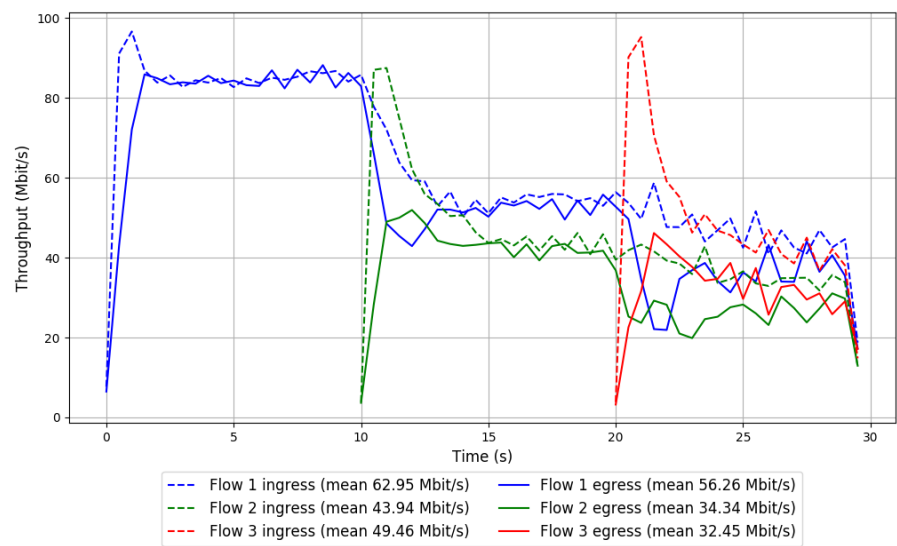
-- Flow 3:

Average throughput: 32.45 Mbit/s

95th percentile per-packet one-way delay: 63.298 ms

Loss rate: 34.45%

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

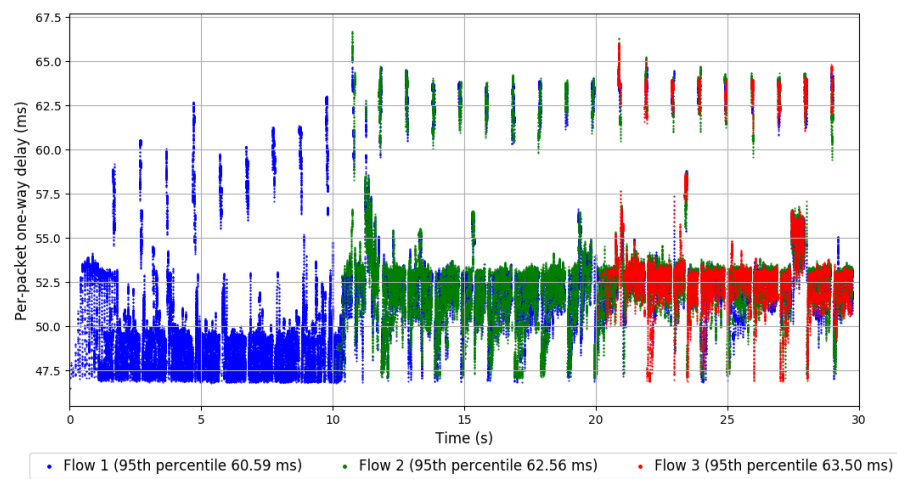
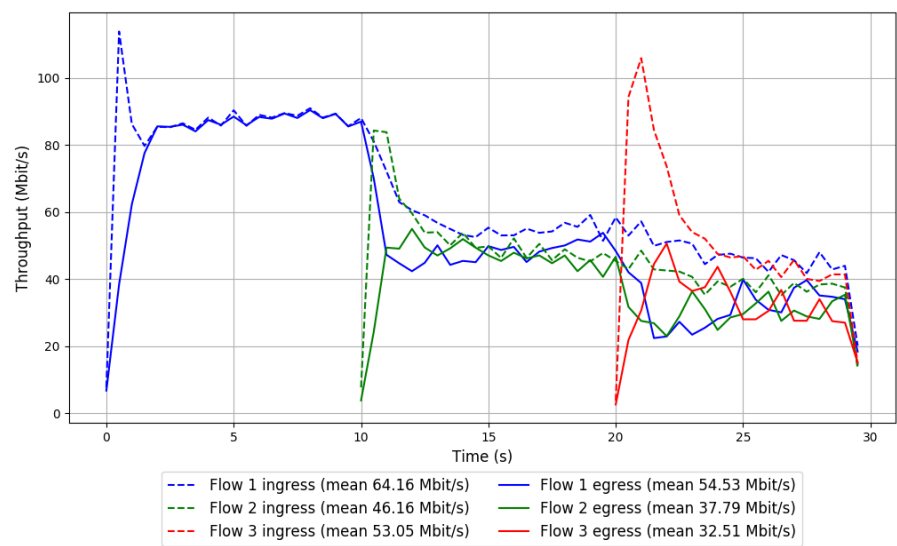


Run 8: Statistics of Indigo-2-256

Start at: 2018-01-26 16:50:54
End at: 2018-01-26 16:51:24
Local clock offset: 1.415 ms
Remote clock offset: -5.465 ms

Below is generated by plot.py at 2018-01-26 18:04:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 62.132 ms
Loss rate: 19.48%
-- Flow 1:
Average throughput: 54.53 Mbit/s
95th percentile per-packet one-way delay: 60.589 ms
Loss rate: 15.00%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 62.560 ms
Loss rate: 18.10%
-- Flow 3:
Average throughput: 32.51 Mbit/s
95th percentile per-packet one-way delay: 63.501 ms
Loss rate: 38.70%

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

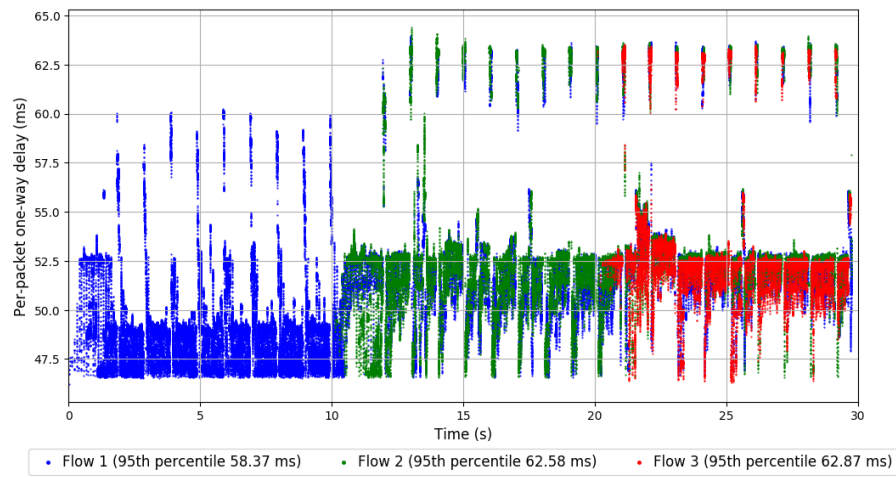
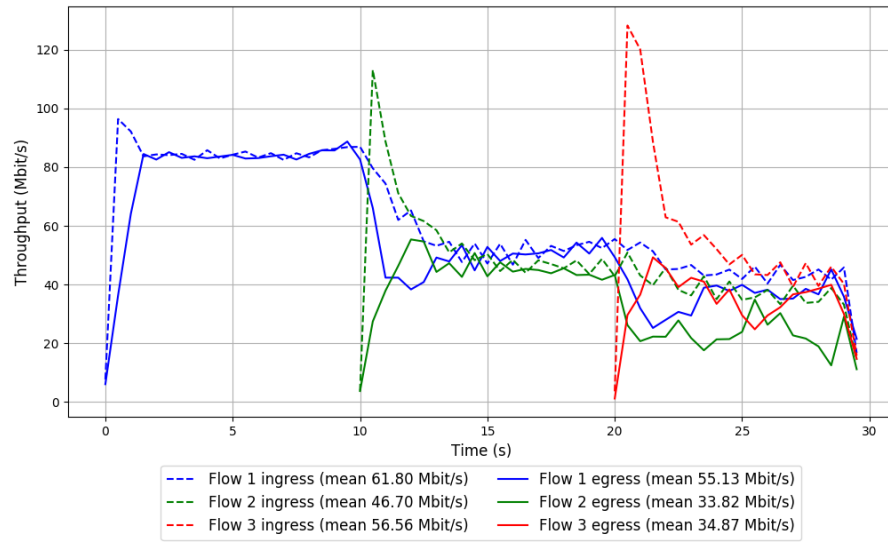


Run 9: Statistics of Indigo-2-256

Start at: 2018-01-26 17:11:04
End at: 2018-01-26 17:11:34
Local clock offset: 1.508 ms
Remote clock offset: -5.926 ms

Below is generated by plot.py at 2018-01-26 18:05:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 61.513 ms
Loss rate: 19.99%
-- Flow 1:
Average throughput: 55.13 Mbit/s
95th percentile per-packet one-way delay: 58.369 ms
Loss rate: 10.77%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 62.584 ms
Loss rate: 27.54%
-- Flow 3:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 62.866 ms
Loss rate: 38.39%

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

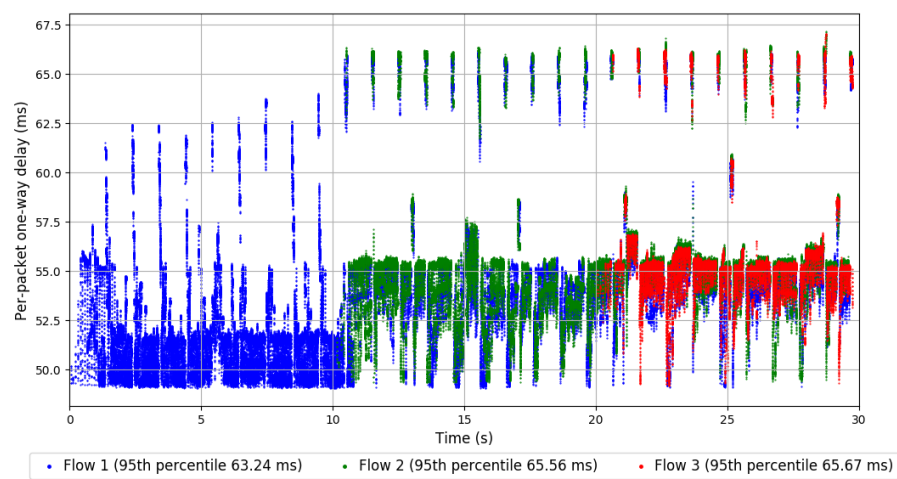
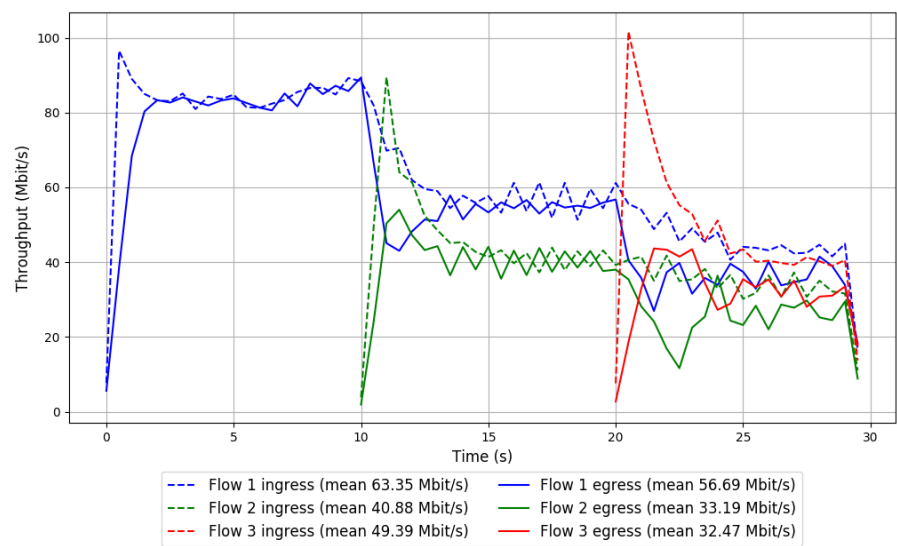


Run 10: Statistics of Indigo-2-256

Start at: 2018-01-26 17:30:56
End at: 2018-01-26 17:31:26
Local clock offset: -1.412 ms
Remote clock offset: -6.552 ms

Below is generated by plot.py at 2018-01-26 18:05:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 64.574 ms
Loss rate: 16.15%
-- Flow 1:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 63.244 ms
Loss rate: 10.46%
-- Flow 2:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 65.563 ms
Loss rate: 18.75%
-- Flow 3:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: 65.666 ms
Loss rate: 34.24%

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

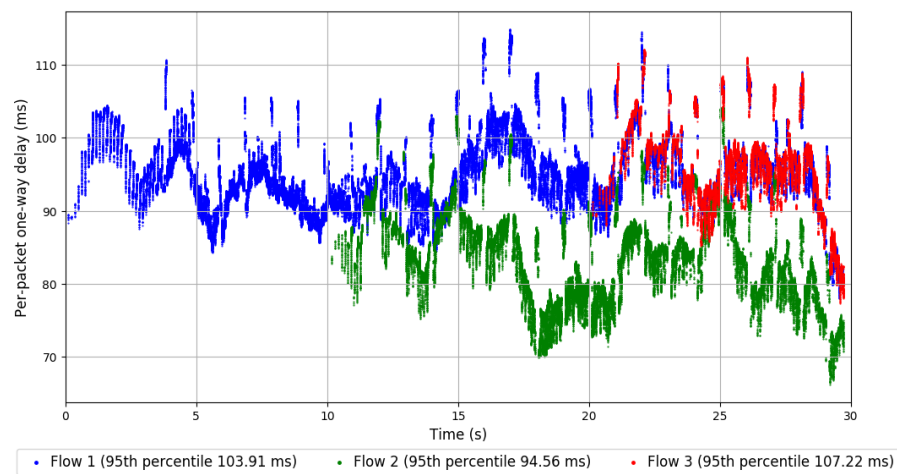
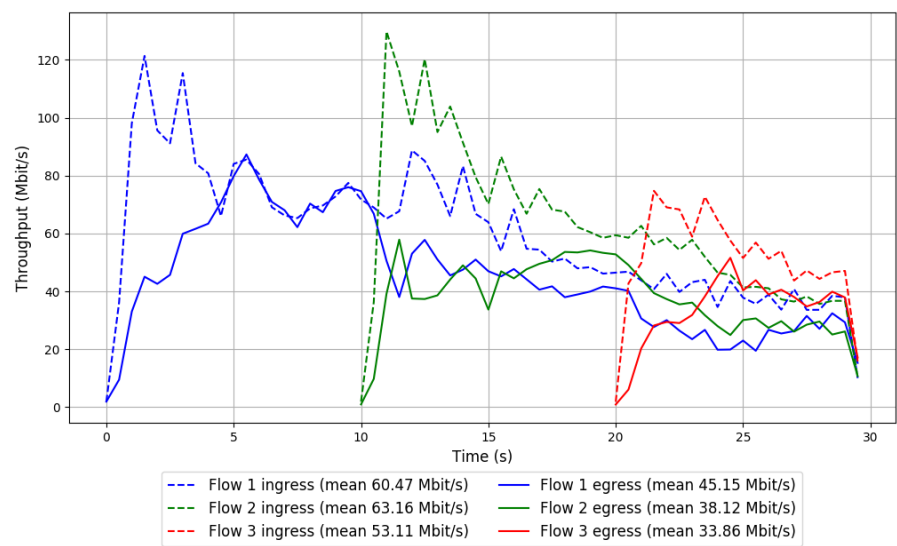


Run 1: Statistics of Indigo-1-32

Start at: 2018-01-26 14:28:57
End at: 2018-01-26 14:29:27
Local clock offset: 3.147 ms
Remote clock offset: -4.268 ms

Below is generated by plot.py at 2018-01-26 18:05:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.19 Mbit/s
95th percentile per-packet one-way delay: 103.586 ms
Loss rate: 31.93%
-- Flow 1:
Average throughput: 45.15 Mbit/s
95th percentile per-packet one-way delay: 103.908 ms
Loss rate: 25.35%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 94.564 ms
Loss rate: 39.67%
-- Flow 3:
Average throughput: 33.86 Mbit/s
95th percentile per-packet one-way delay: 107.216 ms
Loss rate: 36.31%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-01-26 14:49:48

End at: 2018-01-26 14:50:18

Local clock offset: 3.026 ms

Remote clock offset: -4.2 ms

Below is generated by plot.py at 2018-01-26 18:05:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 62.948 ms

Loss rate: 27.26%

-- Flow 1:

Average throughput: 49.96 Mbit/s

95th percentile per-packet one-way delay: 61.364 ms

Loss rate: 17.11%

-- Flow 2:

Average throughput: 33.60 Mbit/s

95th percentile per-packet one-way delay: 63.614 ms

Loss rate: 29.74%

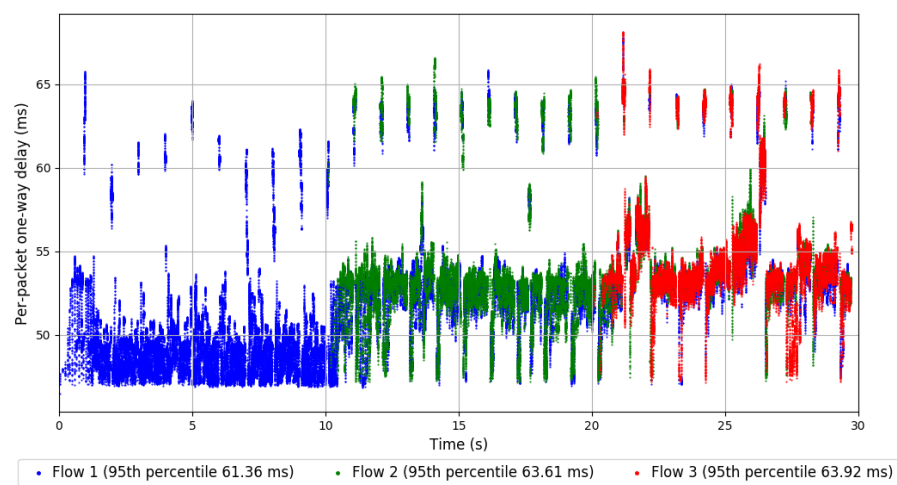
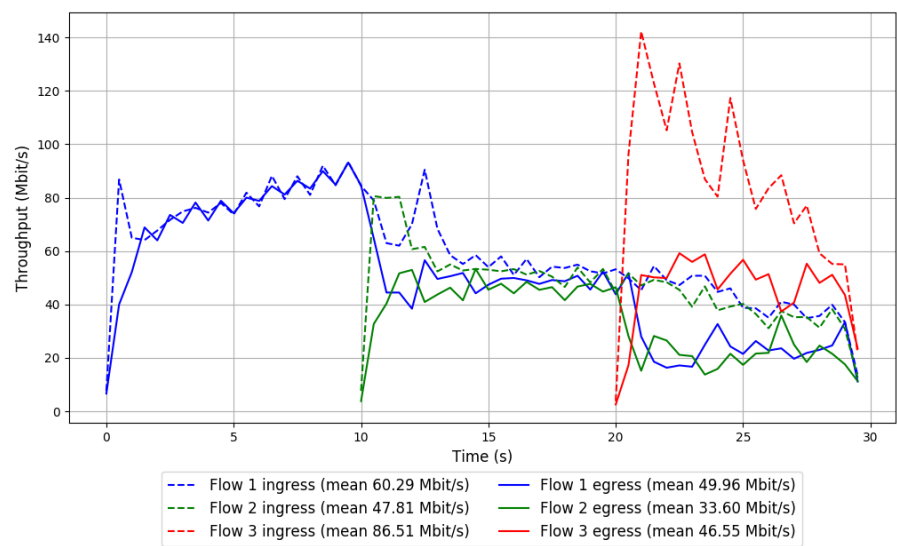
-- Flow 3:

Average throughput: 46.55 Mbit/s

95th percentile per-packet one-way delay: 63.917 ms

Loss rate: 46.17%

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

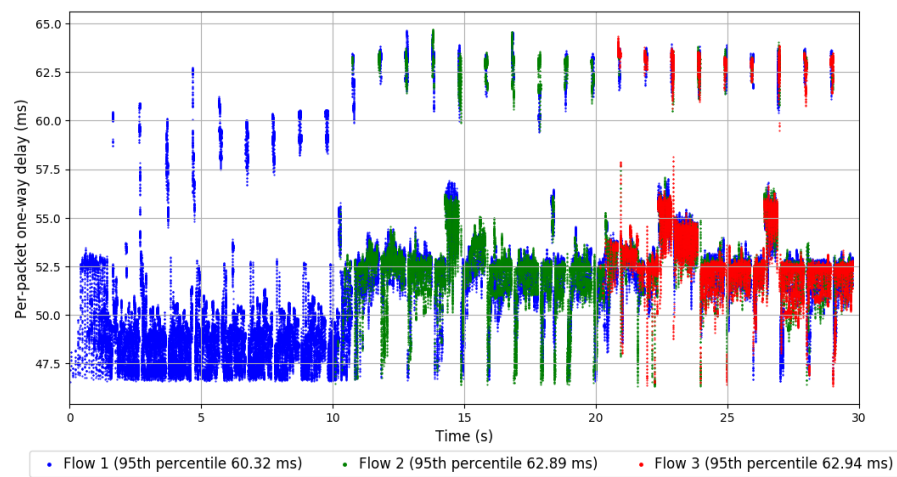
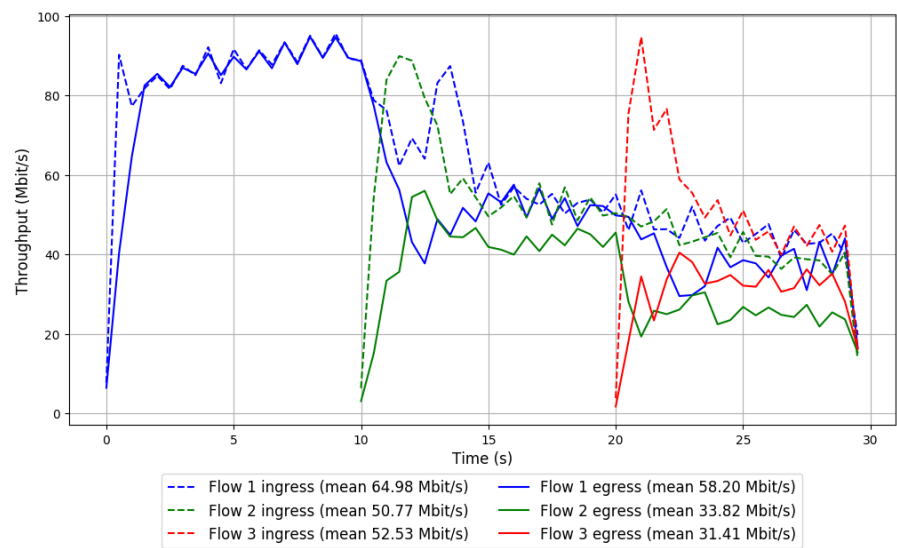


Run 3: Statistics of Indigo-1-32

Start at: 2018-01-26 15:15:10
End at: 2018-01-26 15:15:40
Local clock offset: 3.753 ms
Remote clock offset: -4.088 ms

Below is generated by plot.py at 2018-01-26 18:05:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.66 Mbit/s
95th percentile per-packet one-way delay: 61.983 ms
Loss rate: 21.46%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 60.323 ms
Loss rate: 10.42%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 62.889 ms
Loss rate: 33.37%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 62.944 ms
Loss rate: 40.21%

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

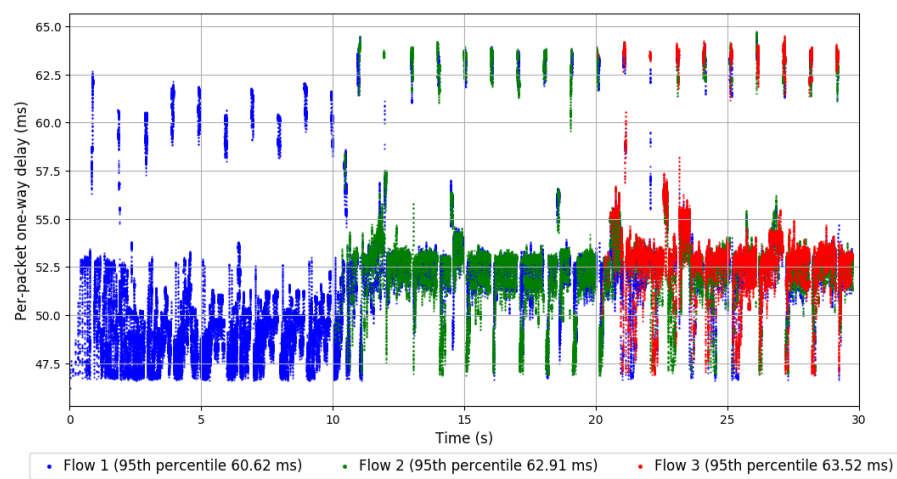
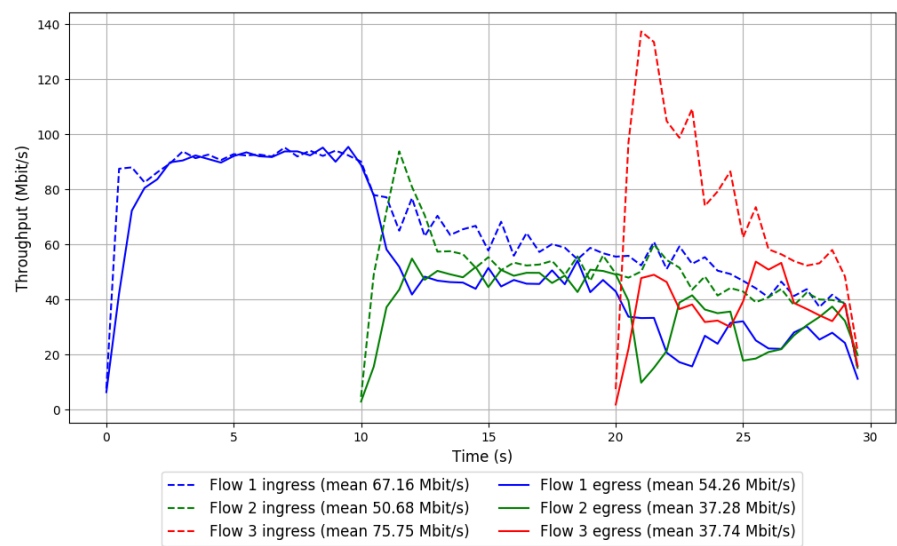


Run 4: Statistics of Indigo-1-32

Start at: 2018-01-26 15:35:02
End at: 2018-01-26 15:35:32
Local clock offset: 2.991 ms
Remote clock offset: -3.874 ms

Below is generated by plot.py at 2018-01-26 18:05:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 62.150 ms
Loss rate: 27.23%
-- Flow 1:
Average throughput: 54.26 Mbit/s
95th percentile per-packet one-way delay: 60.623 ms
Loss rate: 19.19%
-- Flow 2:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 62.910 ms
Loss rate: 26.42%
-- Flow 3:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 63.518 ms
Loss rate: 50.23%

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

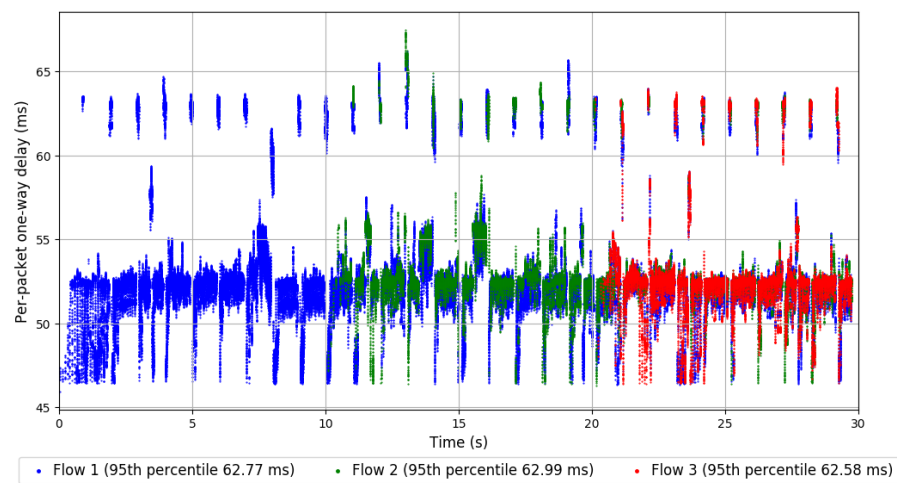
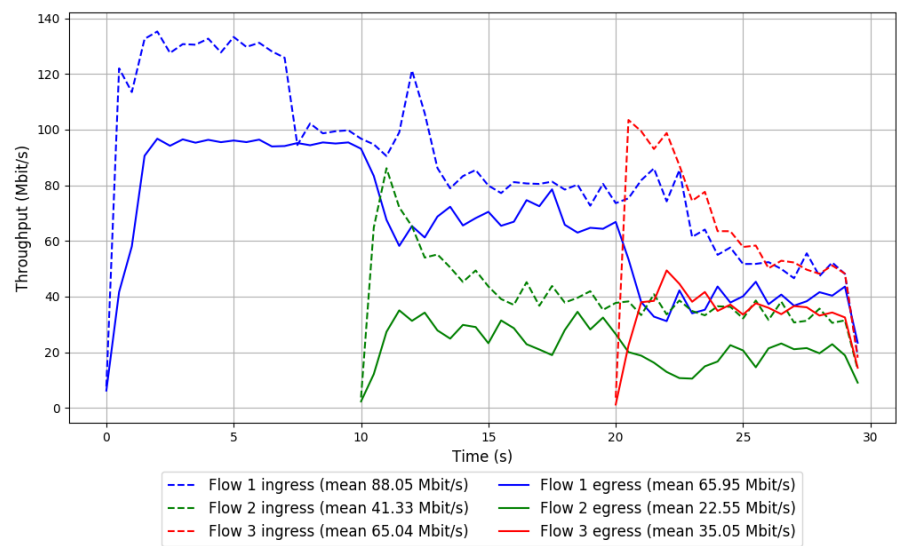


Run 5: Statistics of Indigo-1-32

Start at: 2018-01-26 15:55:01
End at: 2018-01-26 15:55:31
Local clock offset: 2.642 ms
Remote clock offset: -3.883 ms

Below is generated by plot.py at 2018-01-26 18:06:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 62.824 ms
Loss rate: 32.42%
-- Flow 1:
Average throughput: 65.95 Mbit/s
95th percentile per-packet one-way delay: 62.772 ms
Loss rate: 25.09%
-- Flow 2:
Average throughput: 22.55 Mbit/s
95th percentile per-packet one-way delay: 62.992 ms
Loss rate: 45.44%
-- Flow 3:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 62.575 ms
Loss rate: 46.17%

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

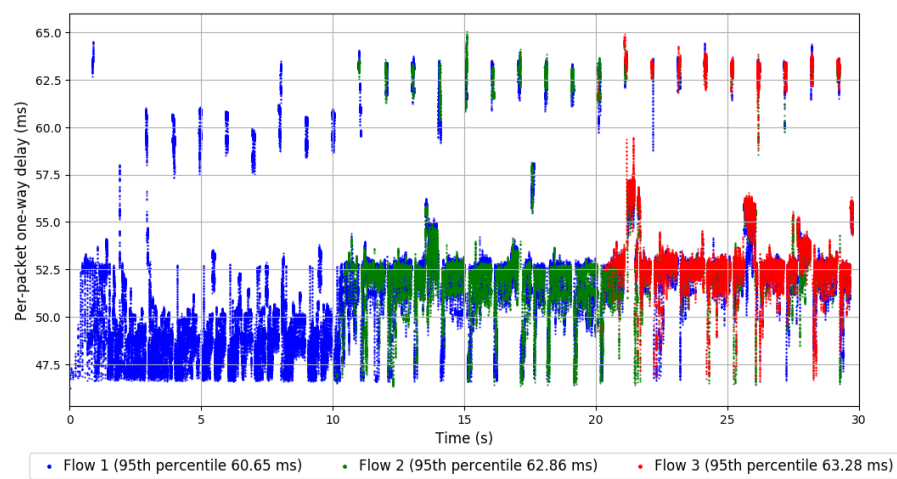
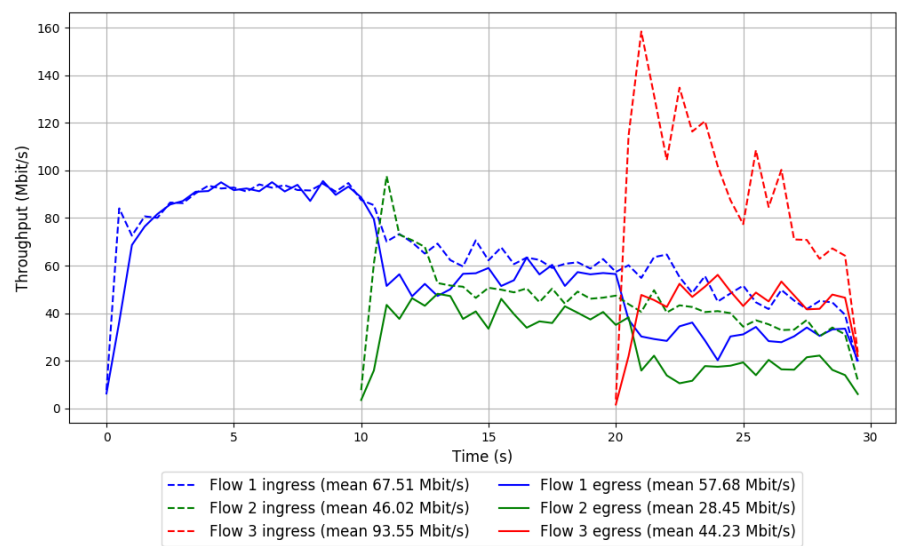


Run 6: Statistics of Indigo-1-32

Start at: 2018-01-26 16:14:58
End at: 2018-01-26 16:15:28
Local clock offset: 2.315 ms
Remote clock offset: -4.516 ms

Below is generated by plot.py at 2018-01-26 18:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 62.087 ms
Loss rate: 29.18%
-- Flow 1:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: 60.649 ms
Loss rate: 14.53%
-- Flow 2:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 62.860 ms
Loss rate: 38.14%
-- Flow 3:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 63.277 ms
Loss rate: 52.75%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-26 16:34:50

End at: 2018-01-26 16:35:20

Local clock offset: 2.264 ms

Remote clock offset: -5.01 ms

Below is generated by plot.py at 2018-01-26 18:06:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 62.946 ms

Loss rate: 37.97%

-- Flow 1:

Average throughput: 63.40 Mbit/s

95th percentile per-packet one-way delay: 62.996 ms

Loss rate: 32.26%

-- Flow 2:

Average throughput: 21.62 Mbit/s

95th percentile per-packet one-way delay: 63.053 ms

Loss rate: 43.74%

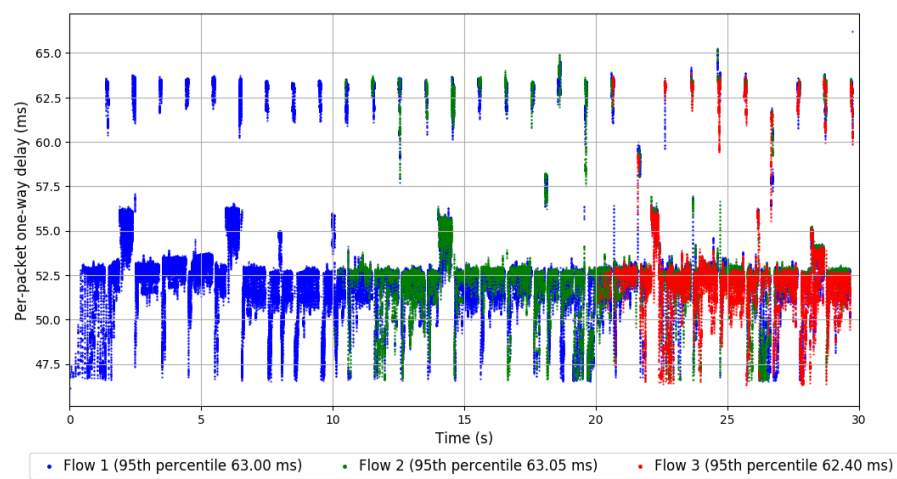
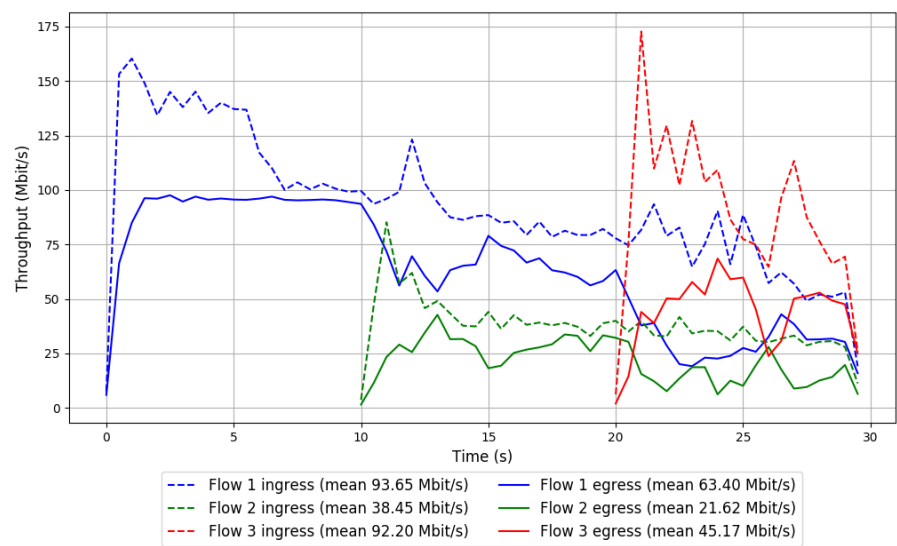
-- Flow 3:

Average throughput: 45.17 Mbit/s

95th percentile per-packet one-way delay: 62.396 ms

Loss rate: 50.95%

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

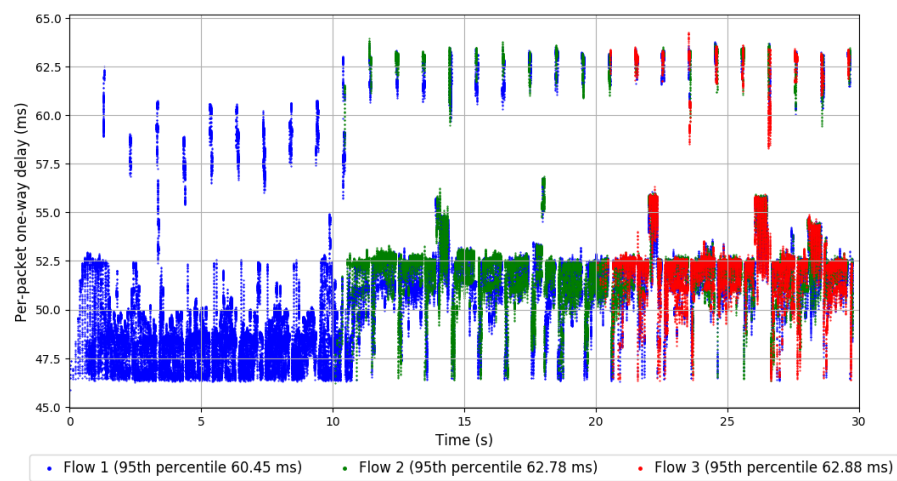
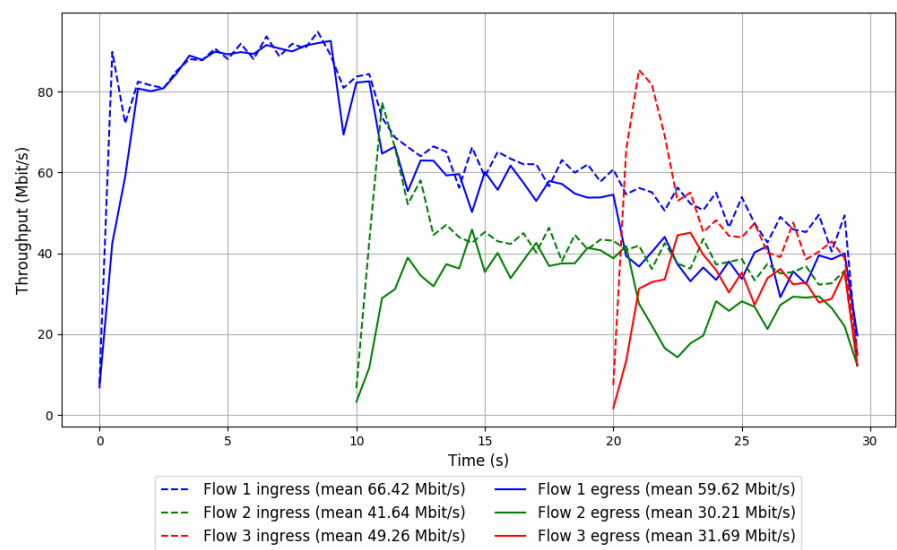


Run 8: Statistics of Indigo-1-32

Start at: 2018-01-26 16:54:42
End at: 2018-01-26 16:55:12
Local clock offset: 1.924 ms
Remote clock offset: -5.459 ms

Below is generated by plot.py at 2018-01-26 18:06:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 61.692 ms
Loss rate: 18.23%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 60.452 ms
Loss rate: 10.22%
-- Flow 2:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 62.779 ms
Loss rate: 27.42%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 62.875 ms
Loss rate: 35.68%

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

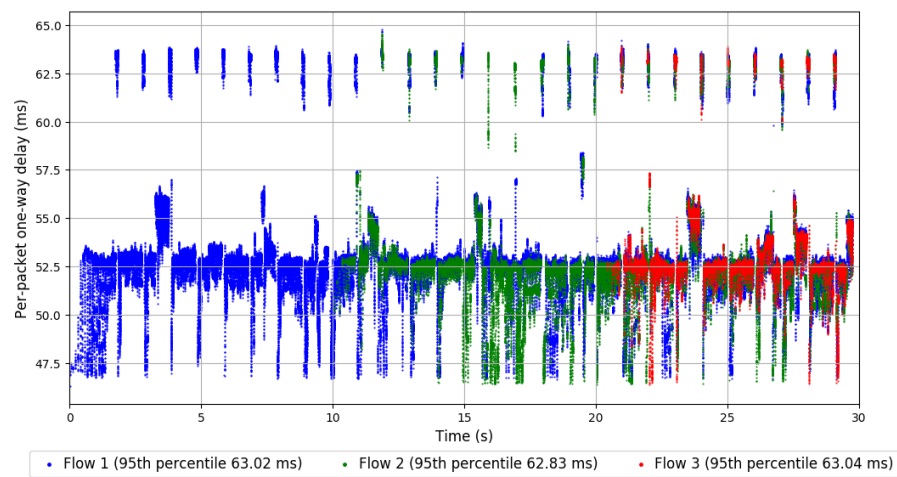
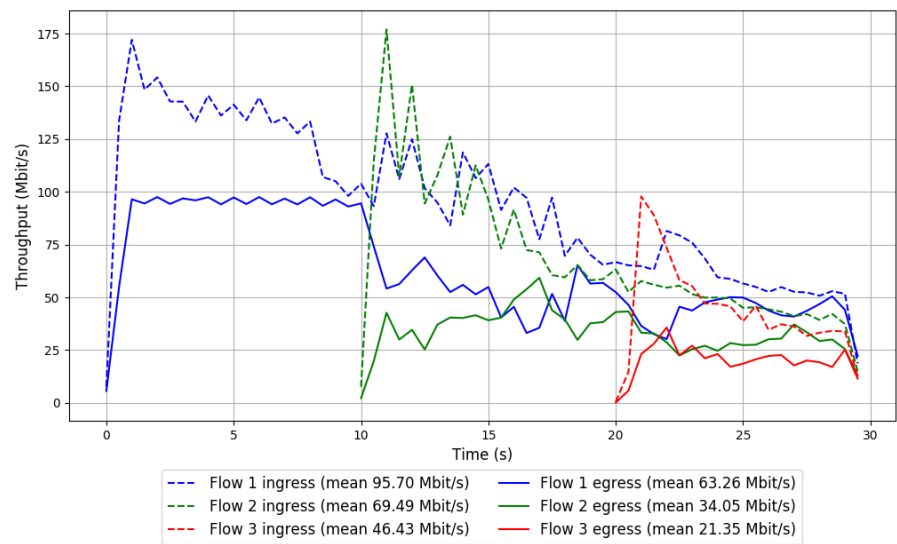


Run 9: Statistics of Indigo-1-32

Start at: 2018-01-26 17:14:52
End at: 2018-01-26 17:15:22
Local clock offset: 1.383 ms
Remote clock offset: -5.962 ms

Below is generated by plot.py at 2018-01-26 18:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 62.942 ms
Loss rate: 40.80%
-- Flow 1:
Average throughput: 63.26 Mbit/s
95th percentile per-packet one-way delay: 63.022 ms
Loss rate: 33.88%
-- Flow 2:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 62.833 ms
Loss rate: 50.99%
-- Flow 3:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 63.041 ms
Loss rate: 54.01%

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

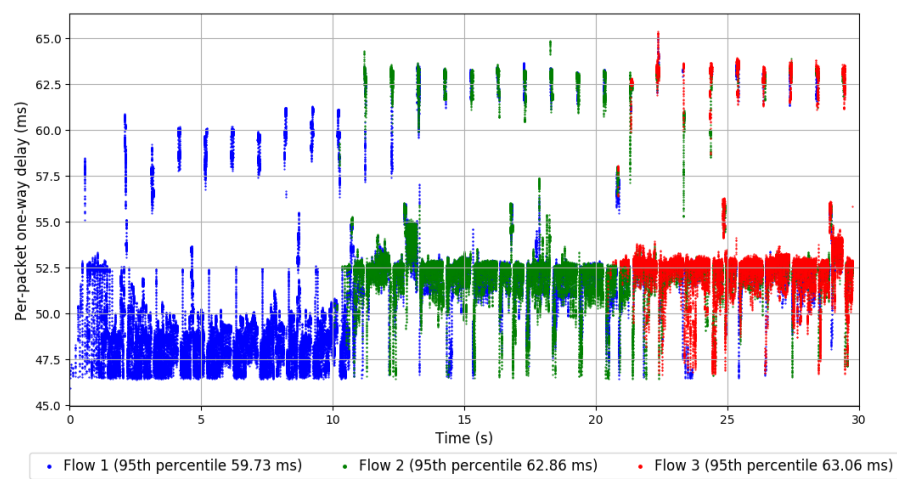
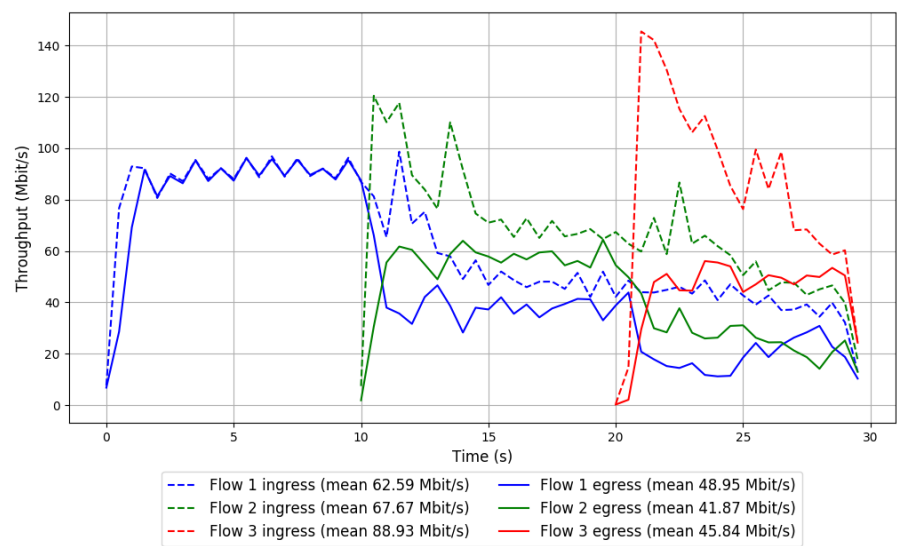


Run 10: Statistics of Indigo-1-32

Start at: 2018-01-26 17:34:43
End at: 2018-01-26 17:35:13
Local clock offset: 1.268 ms
Remote clock offset: -6.694 ms

Below is generated by plot.py at 2018-01-26 18:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 61.852 ms
Loss rate: 32.69%
-- Flow 1:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 59.734 ms
Loss rate: 21.79%
-- Flow 2:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 62.864 ms
Loss rate: 38.12%
-- Flow 3:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 63.065 ms
Loss rate: 48.42%

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



Run 1: Statistics of Indigo-1-128

Start at: 2018-01-26 14:22:39

End at: 2018-01-26 14:23:09

Local clock offset: 2.833 ms

Remote clock offset: -4.2 ms

Below is generated by plot.py at 2018-01-26 18:07:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.68 Mbit/s

95th percentile per-packet one-way delay: 90.341 ms

Loss rate: 5.29%

-- Flow 1:

Average throughput: 19.83 Mbit/s

95th percentile per-packet one-way delay: 90.831 ms

Loss rate: 4.64%

-- Flow 2:

Average throughput: 5.63 Mbit/s

95th percentile per-packet one-way delay: 94.500 ms

Loss rate: 4.09%

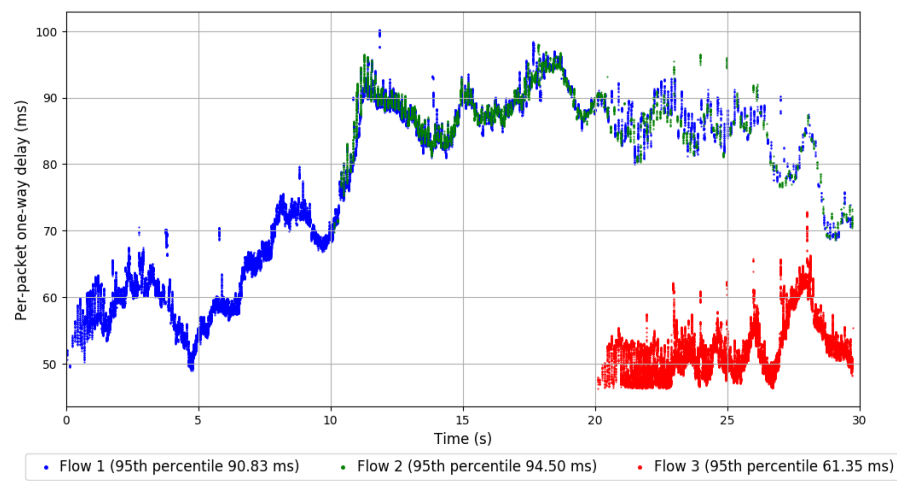
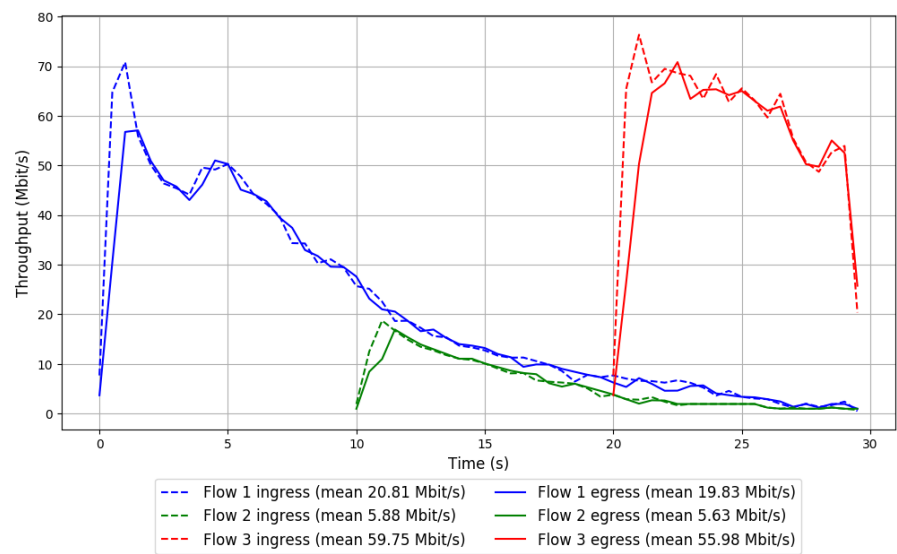
-- Flow 3:

Average throughput: 55.98 Mbit/s

95th percentile per-packet one-way delay: 61.350 ms

Loss rate: 6.23%

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

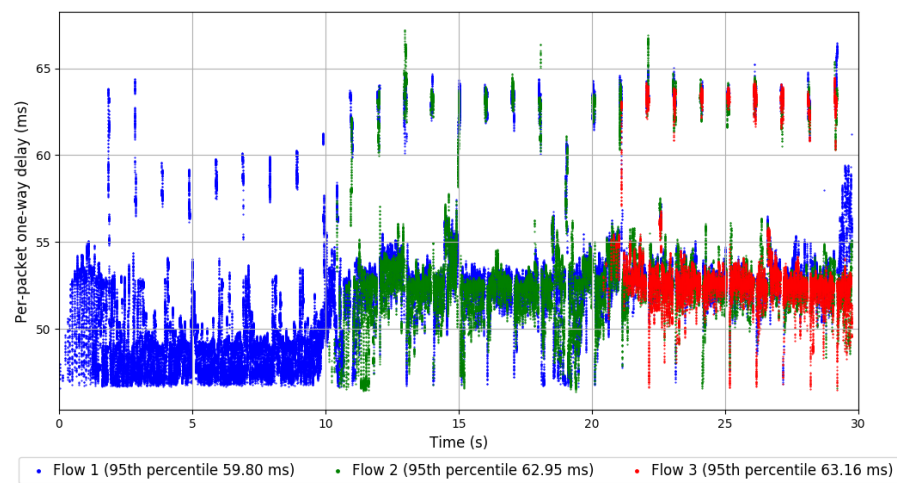
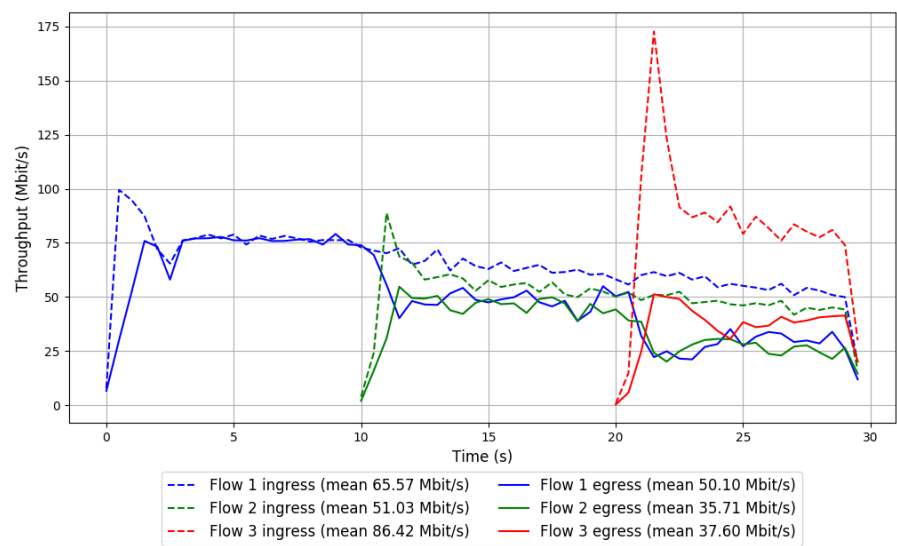


Run 2: Statistics of Indigo-1-128

Start at: 2018-01-26 14:43:31
End at: 2018-01-26 14:44:01
Local clock offset: 3.313 ms
Remote clock offset: -4.264 ms

Below is generated by plot.py at 2018-01-26 18:07:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 62.371 ms
Loss rate: 32.35%
-- Flow 1:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 59.795 ms
Loss rate: 23.57%
-- Flow 2:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 62.953 ms
Loss rate: 30.01%
-- Flow 3:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 63.157 ms
Loss rate: 56.50%

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

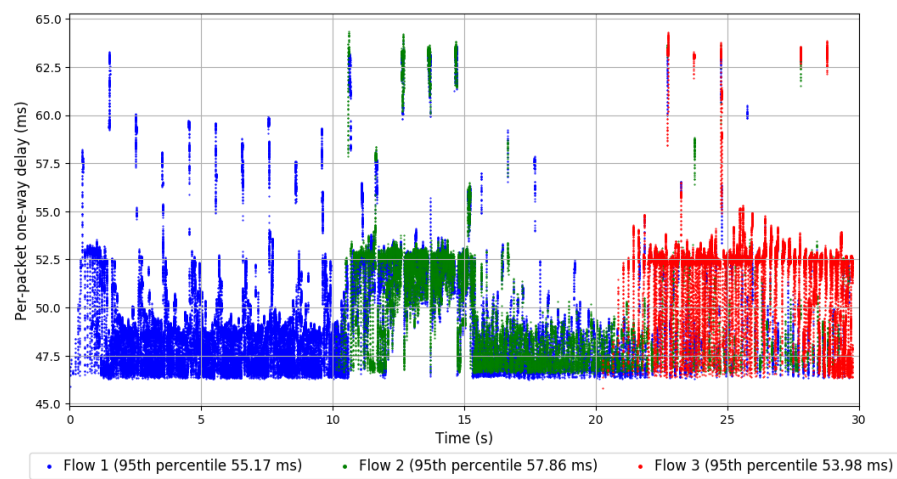
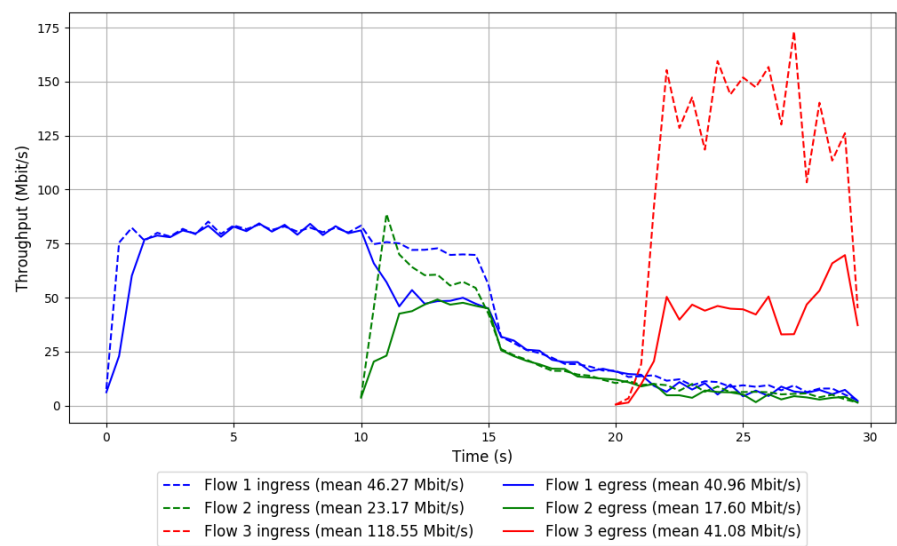


Run 3: Statistics of Indigo-1-128

Start at: 2018-01-26 15:04:55
End at: 2018-01-26 15:05:25
Local clock offset: 3.797 ms
Remote clock offset: -4.213 ms

Below is generated by plot.py at 2018-01-26 18:07:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.44 Mbit/s
95th percentile per-packet one-way delay: 54.984 ms
Loss rate: 33.99%
-- Flow 1:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 55.175 ms
Loss rate: 11.49%
-- Flow 2:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 57.857 ms
Loss rate: 24.01%
-- Flow 3:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 53.983 ms
Loss rate: 65.34%

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

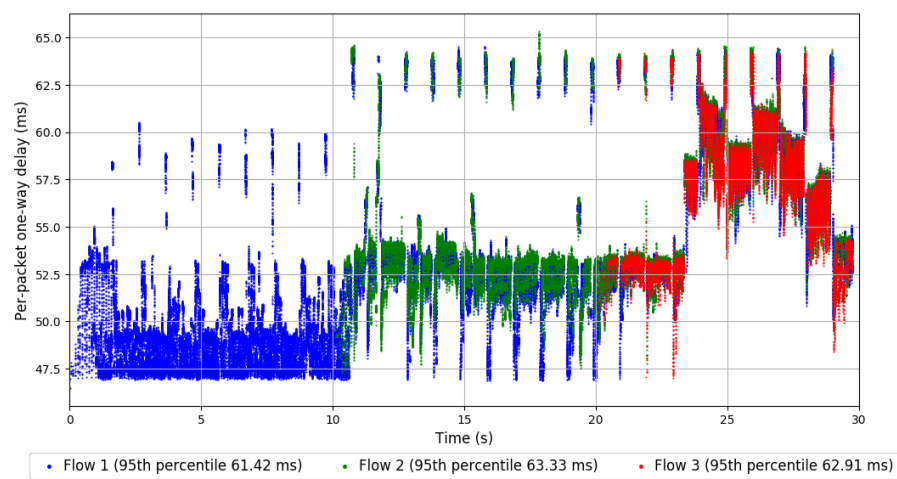
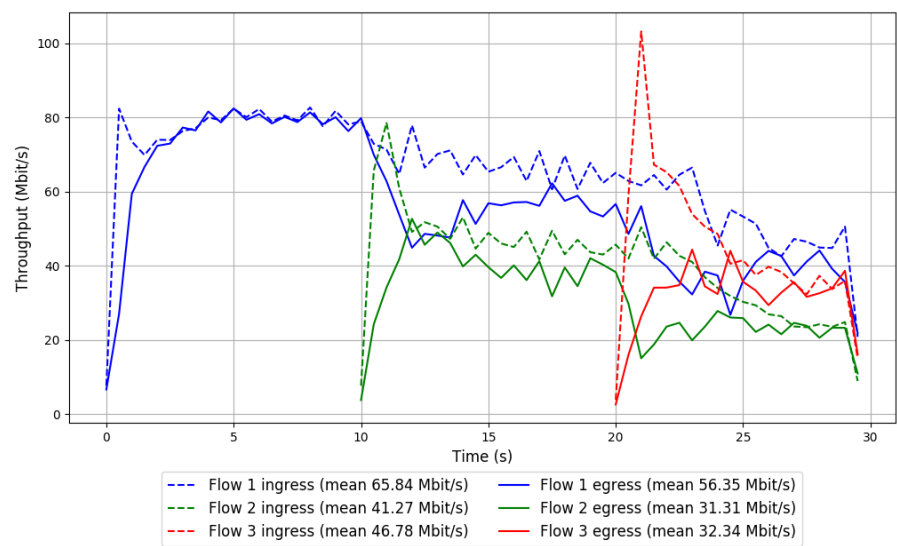


Run 4: Statistics of Indigo-1-128

Start at: 2018-01-26 15:28:45
End at: 2018-01-26 15:29:15
Local clock offset: 2.881 ms
Remote clock offset: -3.954 ms

Below is generated by plot.py at 2018-01-26 18:07:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 62.530 ms
Loss rate: 19.14%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 61.416 ms
Loss rate: 14.39%
-- Flow 2:
Average throughput: 31.31 Mbit/s
95th percentile per-packet one-way delay: 63.331 ms
Loss rate: 24.11%
-- Flow 3:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 62.915 ms
Loss rate: 30.84%

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

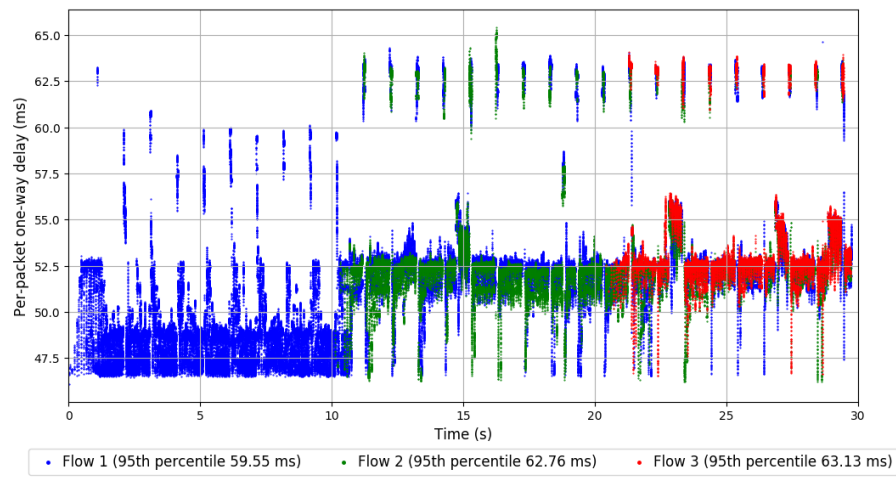
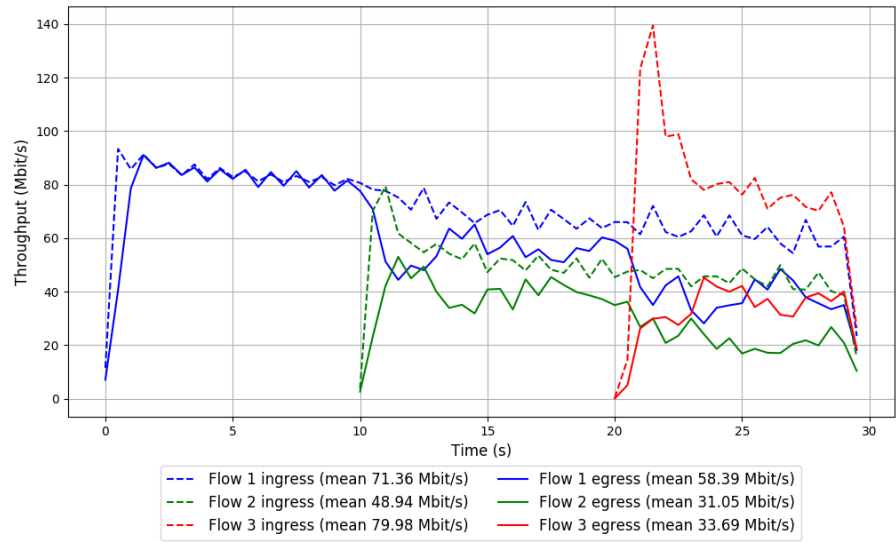


Run 5: Statistics of Indigo-1-128

Start at: 2018-01-26 15:48:42
End at: 2018-01-26 15:49:12
Local clock offset: 2.926 ms
Remote clock offset: -3.864 ms

Below is generated by plot.py at 2018-01-26 18:07:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.41 Mbit/s
95th percentile per-packet one-way delay: 62.149 ms
Loss rate: 30.49%
-- Flow 1:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 59.545 ms
Loss rate: 18.16%
-- Flow 2:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 62.760 ms
Loss rate: 36.55%
-- Flow 3:
Average throughput: 33.69 Mbit/s
95th percentile per-packet one-way delay: 63.130 ms
Loss rate: 57.87%

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

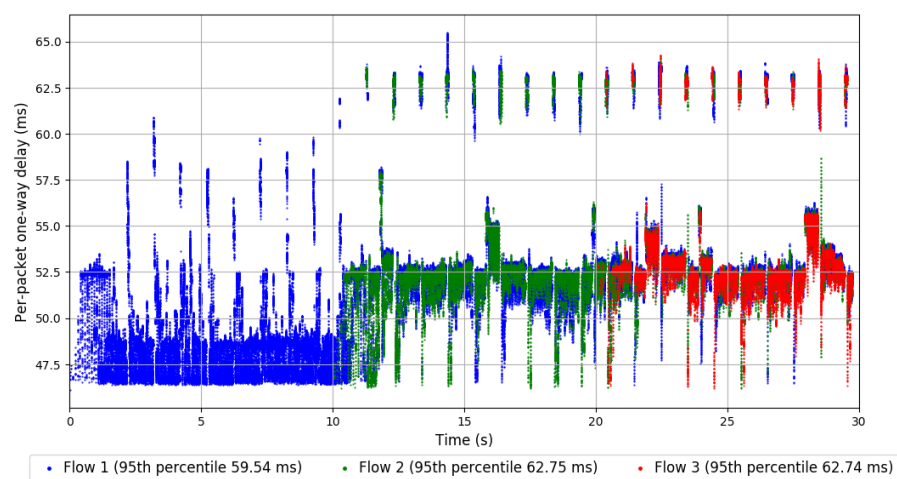
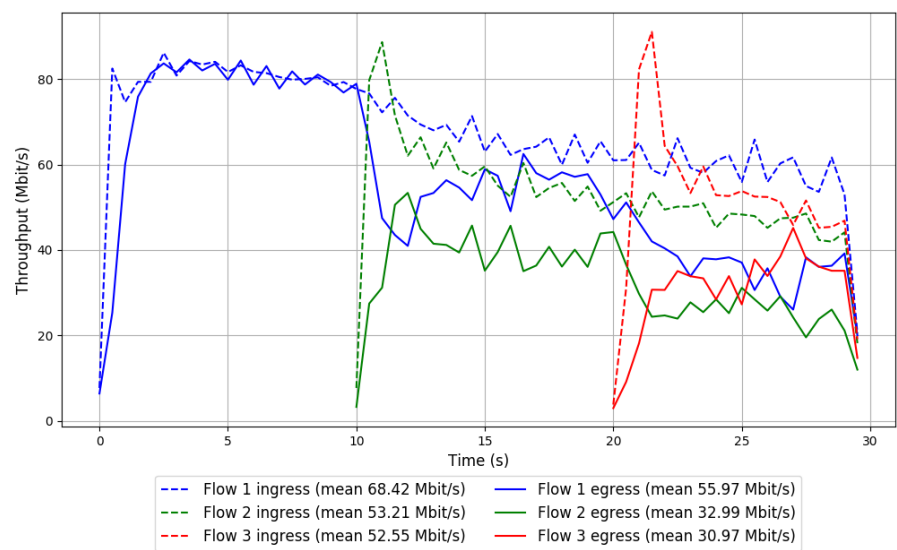


Run 6: Statistics of Indigo-1-128

Start at: 2018-01-26 16:08:40
End at: 2018-01-26 16:09:10
Local clock offset: 2.546 ms
Remote clock offset: -4.352 ms

Below is generated by plot.py at 2018-01-26 18:07:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.85 Mbit/s
95th percentile per-packet one-way delay: 61.999 ms
Loss rate: 27.21%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 59.541 ms
Loss rate: 18.18%
-- Flow 2:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 62.746 ms
Loss rate: 37.99%
-- Flow 3:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 62.736 ms
Loss rate: 41.08%

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

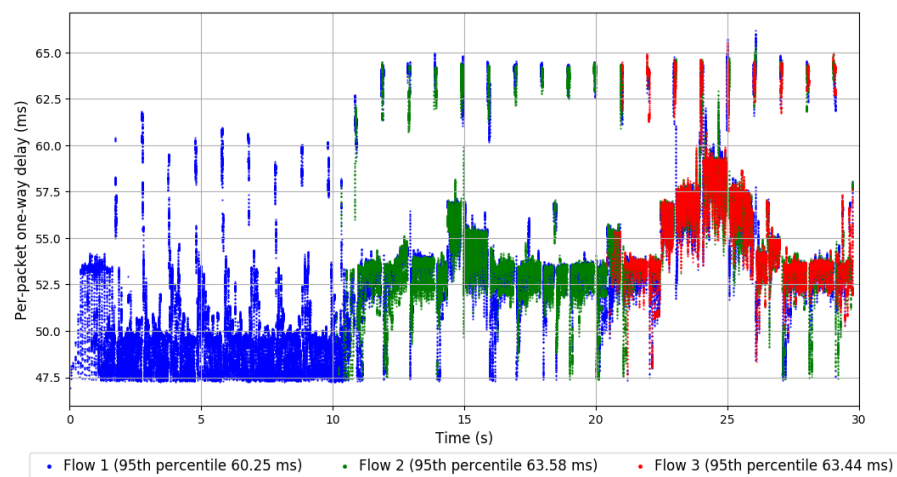
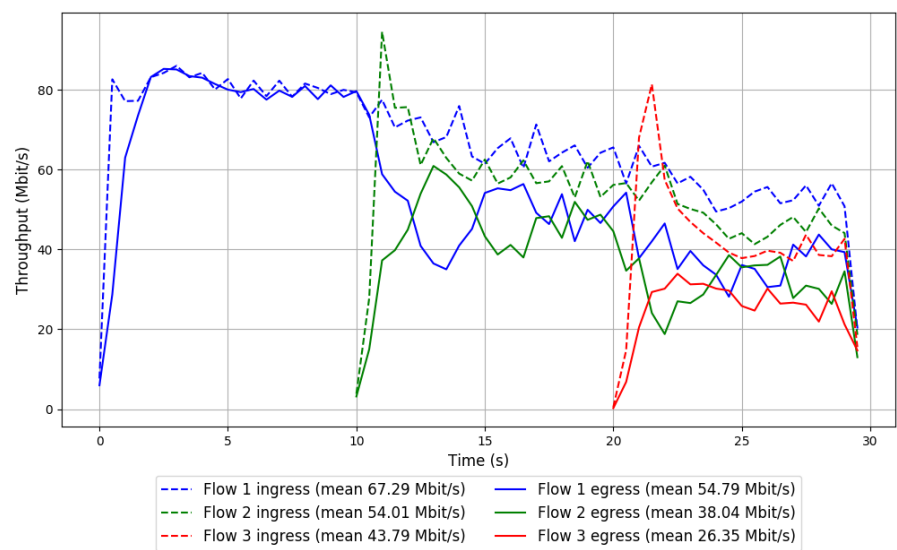


Run 7: Statistics of Indigo-1-128

Start at: 2018-01-26 16:28:34
End at: 2018-01-26 16:29:04
Local clock offset: 1.56 ms
Remote clock offset: -4.849 ms

Below is generated by plot.py at 2018-01-26 18:07:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 62.768 ms
Loss rate: 24.41%
-- Flow 1:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 60.248 ms
Loss rate: 18.55%
-- Flow 2:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 63.577 ms
Loss rate: 29.53%
-- Flow 3:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 63.439 ms
Loss rate: 39.79%

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

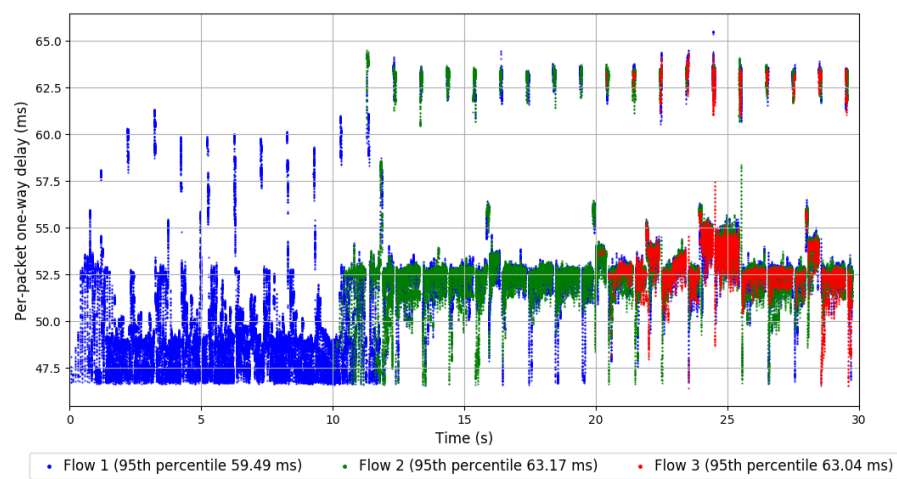
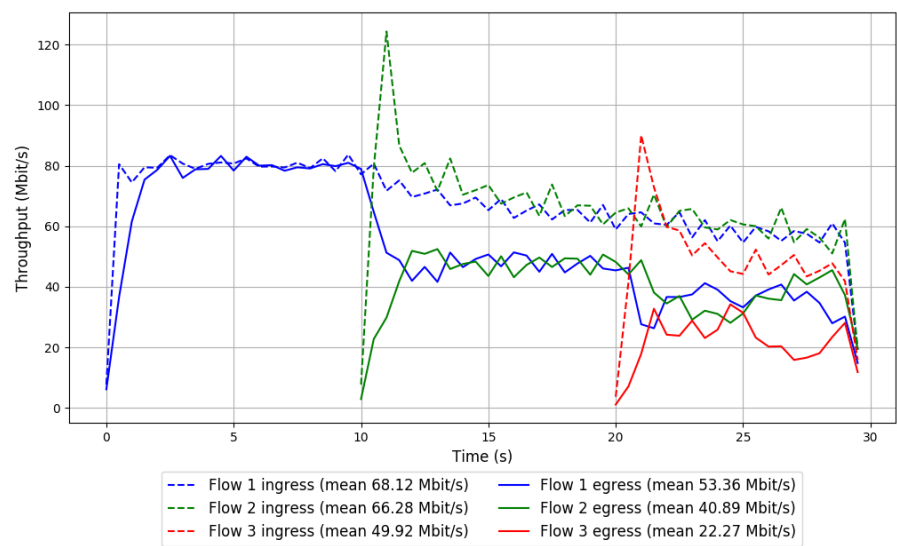


Run 8: Statistics of Indigo-1-128

Start at: 2018-01-26 16:48:24
End at: 2018-01-26 16:48:54
Local clock offset: 1.944 ms
Remote clock offset: -5.419 ms

Below is generated by plot.py at 2018-01-26 18:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 62.635 ms
Loss rate: 31.64%
-- Flow 1:
Average throughput: 53.36 Mbit/s
95th percentile per-packet one-way delay: 59.492 ms
Loss rate: 21.73%
-- Flow 2:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 63.168 ms
Loss rate: 38.29%
-- Flow 3:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 63.044 ms
Loss rate: 55.41%

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

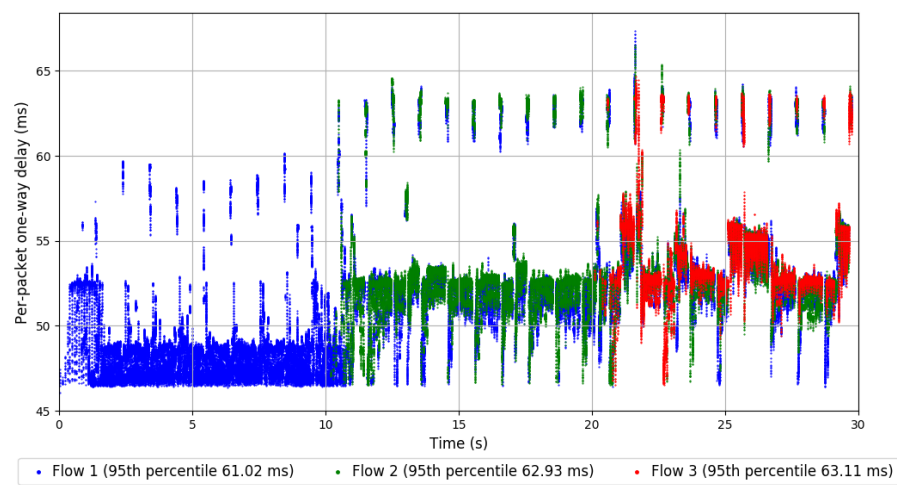
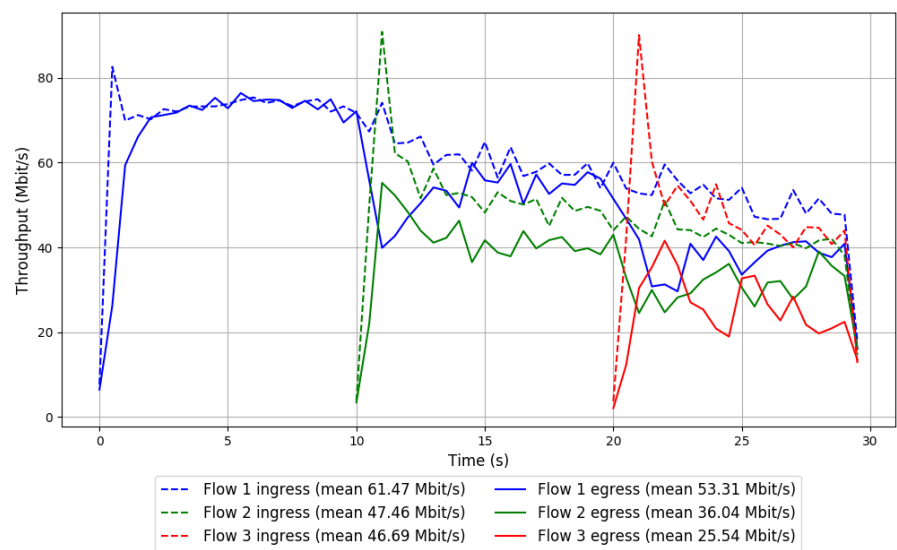


Run 9: Statistics of Indigo-1-128

Start at: 2018-01-26 17:08:35
End at: 2018-01-26 17:09:05
Local clock offset: 1.488 ms
Remote clock offset: -5.794 ms

Below is generated by plot.py at 2018-01-26 18:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 62.152 ms
Loss rate: 20.84%
-- Flow 1:
Average throughput: 53.31 Mbit/s
95th percentile per-packet one-way delay: 61.022 ms
Loss rate: 13.21%
-- Flow 2:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 62.931 ms
Loss rate: 24.01%
-- Flow 3:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 63.114 ms
Loss rate: 45.24%

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



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-26 17:28:27
End at: 2018-01-26 17:28:57
Local clock offset: 1.239 ms
Remote clock offset: -6.404 ms

Below is generated by plot.py at 2018-01-26 18:08:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 62.371 ms
Loss rate: 23.46%
-- Flow 1:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 60.113 ms
Loss rate: 21.08%
-- Flow 2:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 62.707 ms
Loss rate: 22.90%
-- Flow 3:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 63.165 ms
Loss rate: 33.95%

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

