

Pantheon Report

Generated at 2018-02-28 08:47:33 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

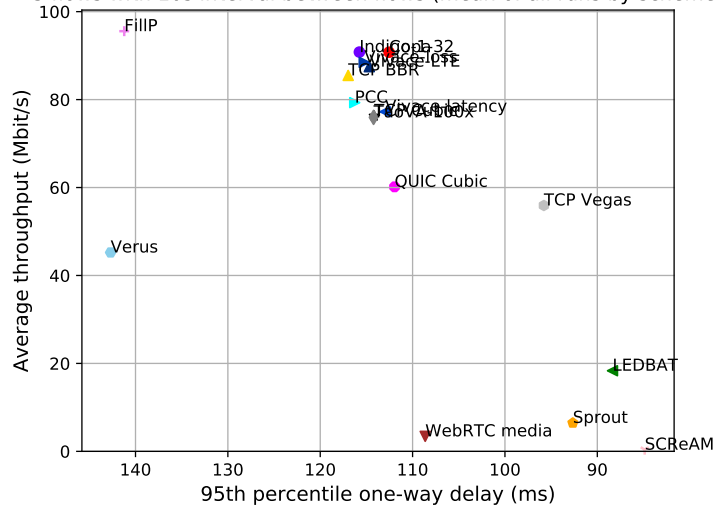
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

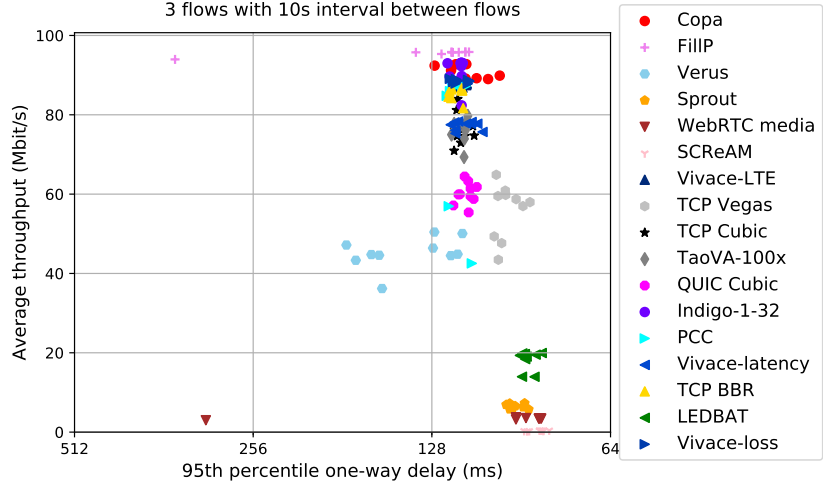
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
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 @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



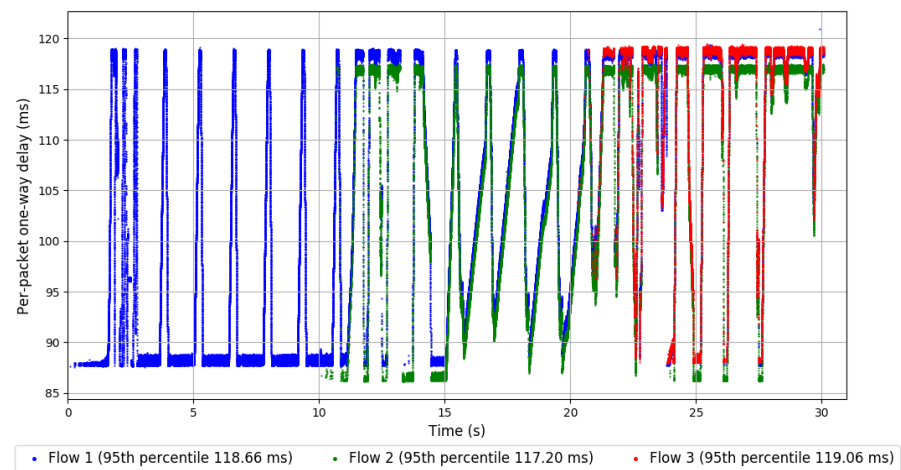
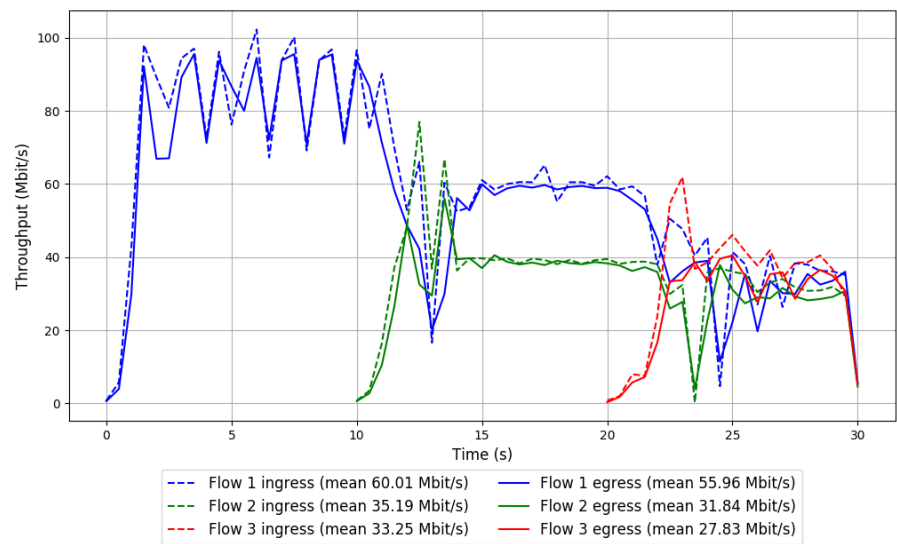
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	54.21	33.77	26.51	116.12	116.34	116.61	6.53	9.26	12.19
TCP Cubic	10	43.15	37.47	24.64	112.84	114.69	115.33	0.63	0.77	1.09
LEDBAT	10	11.55	8.25	3.95	87.94	88.61	88.18	0.05	0.00	0.00
PCC	10	67.47	14.51	6.64	129.45	211.23	243.05	2.61	5.63	5.12
QUIC Cubic	10	40.46	23.57	12.54	113.13	109.41	107.03	0.81	0.69	1.23
SCReAM	10	0.18	0.20	0.19	424.85	84.31	84.17	0.00	0.09	0.00
WebRTC media	10	1.99	1.18	0.27	99.25	157.25	122.18	0.00	0.00	0.02
Sprout	10	3.42	3.08	3.06	92.61	92.35	92.45	0.00	0.00	0.00
TaoVA-100x	10	45.98	33.89	22.41	114.11	114.11	114.49	4.21	7.54	9.16
TCP Vegas	10	26.47	29.67	29.23	95.77	95.79	97.20	0.70	0.89	1.45
Verus	10	21.92	25.33	21.46	126.54	256.89	213.45	29.49	38.62	58.01
Copa	10	80.26	13.31	7.10	111.80	111.31	110.67	45.38	26.46	8.45
FillP	10	56.12	39.43	40.02	163.64	163.83	149.32	27.10	37.65	48.95
Indigo-1-32	10	60.47	27.84	37.09	114.74	115.14	115.13	13.85	28.38	49.46
Vivace-latency	10	65.77	13.31	7.95	113.08	111.51	111.83	0.24	0.52	0.60
Vivace-loss	10	82.52	6.89	4.19	115.19	118.46	115.81	2.96	4.43	5.22
Vivace-LTE	10	75.74	13.03	9.36	114.55	114.48	114.68	2.85	2.17	2.77

Run 1: Statistics of TCP BBR

Start at: 2018-02-28 04:21:01
End at: 2018-02-28 04:21:31
Local clock offset: -0.324 ms
Remote clock offset: -1.097 ms

Below is generated by plot.py at 2018-02-28 08:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.41 Mbit/s
95th percentile per-packet one-way delay: 118.766 ms
Loss rate: 8.45%
-- Flow 1:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 118.657 ms
Loss rate: 6.66%
-- Flow 2:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 117.202 ms
Loss rate: 9.40%
-- Flow 3:
Average throughput: 27.83 Mbit/s
95th percentile per-packet one-way delay: 119.057 ms
Loss rate: 16.15%

Run 1: Report of TCP BBR — Data Link

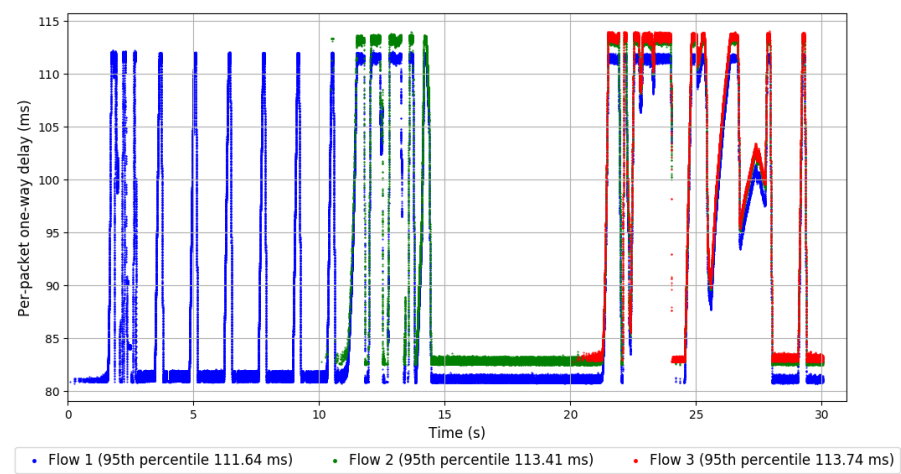
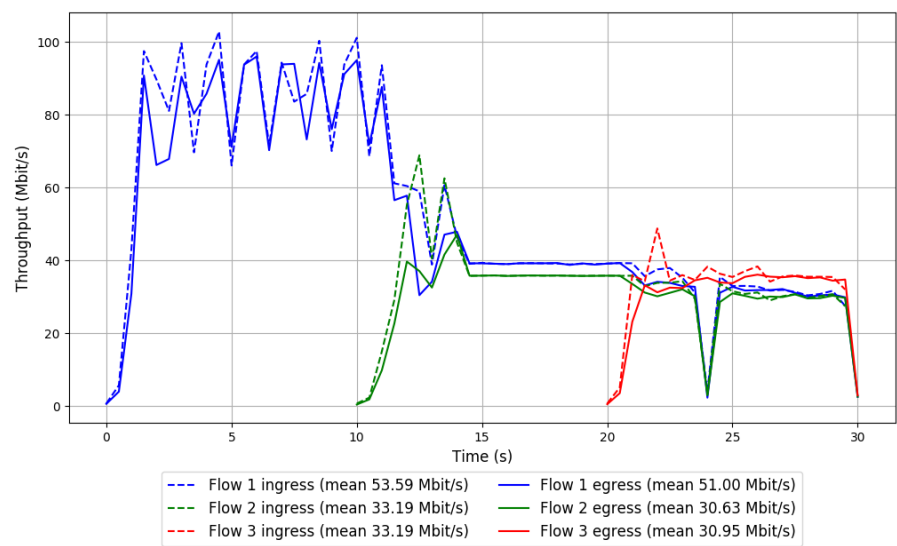


Run 2: Statistics of TCP BBR

Start at: 2018-02-28 04:44:36
End at: 2018-02-28 04:45:06
Local clock offset: -2.04 ms
Remote clock offset: -6.094 ms

Below is generated by plot.py at 2018-02-28 08:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.66 Mbit/s
95th percentile per-packet one-way delay: 113.344 ms
Loss rate: 5.81%
-- Flow 1:
Average throughput: 51.00 Mbit/s
95th percentile per-packet one-way delay: 111.635 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 113.413 ms
Loss rate: 7.72%
-- Flow 3:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 113.743 ms
Loss rate: 6.78%

Run 2: Report of TCP BBR — Data Link

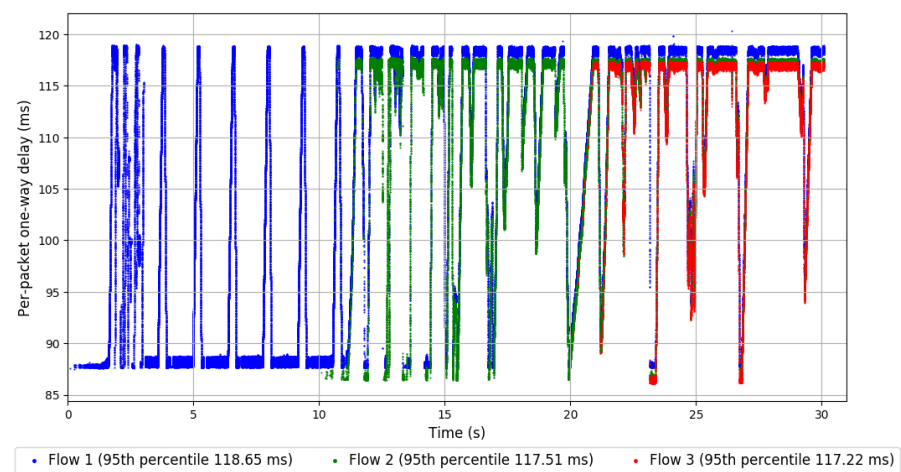
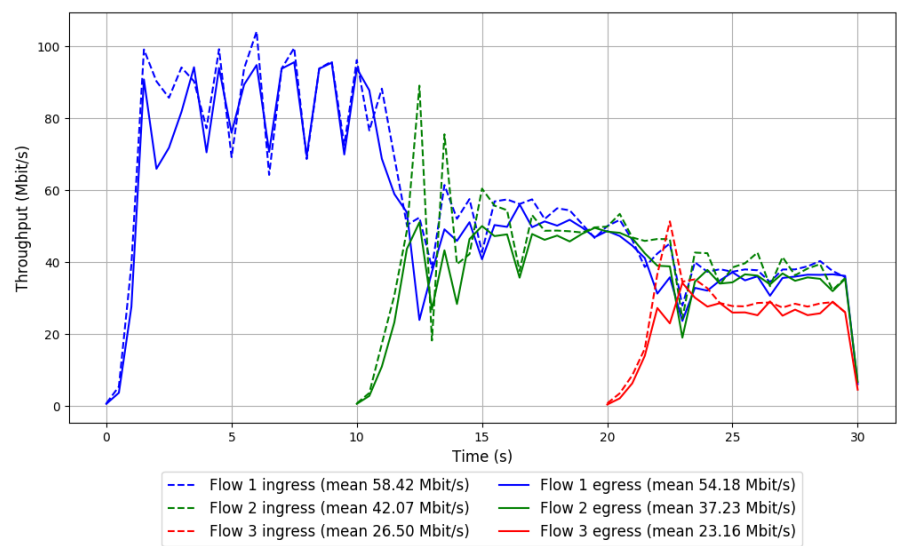


Run 3: Statistics of TCP BBR

Start at: 2018-02-28 05:08:08
End at: 2018-02-28 05:08:38
Local clock offset: -3.635 ms
Remote clock offset: -1.118 ms

Below is generated by plot.py at 2018-02-28 08:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 118.577 ms
Loss rate: 8.88%
-- Flow 1:
Average throughput: 54.18 Mbit/s
95th percentile per-packet one-way delay: 118.646 ms
Loss rate: 7.16%
-- Flow 2:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 117.509 ms
Loss rate: 11.37%
-- Flow 3:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 117.218 ms
Loss rate: 12.37%

Run 3: Report of TCP BBR — Data Link

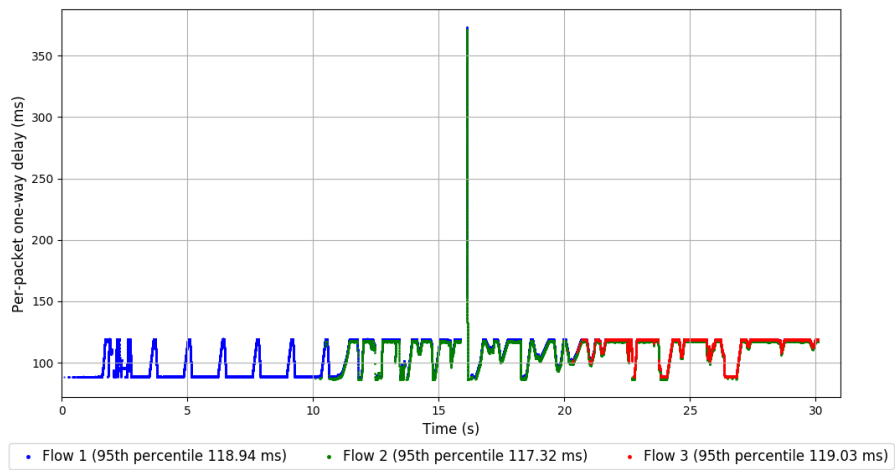
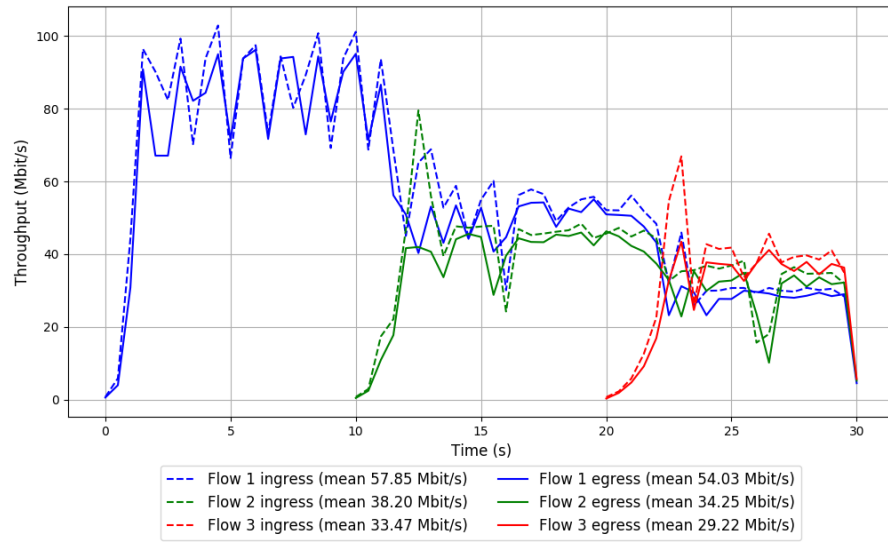


Run 4: Statistics of TCP BBR

Start at: 2018-02-28 05:31:58
End at: 2018-02-28 05:32:28
Local clock offset: -0.415 ms
Remote clock offset: -1.411 ms

Below is generated by plot.py at 2018-02-28 08:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 118.943 ms
Loss rate: 8.23%
-- Flow 1:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 118.937 ms
Loss rate: 6.51%
-- Flow 2:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 117.321 ms
Loss rate: 10.21%
-- Flow 3:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 119.032 ms
Loss rate: 12.63%

Run 4: Report of TCP BBR — Data Link

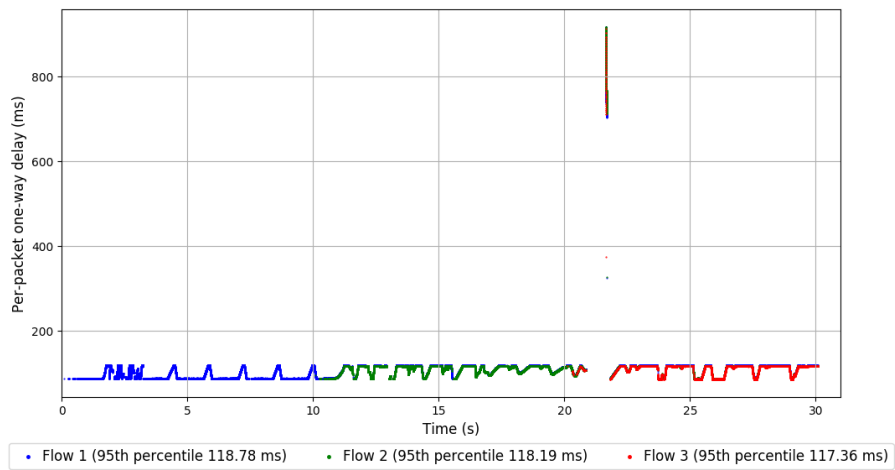
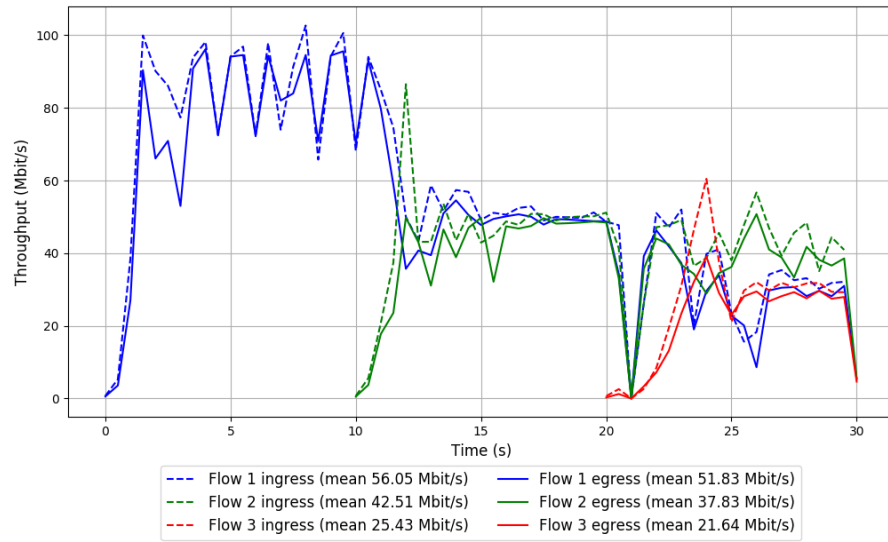


Run 5: Statistics of TCP BBR

Start at: 2018-02-28 05:55:42
End at: 2018-02-28 05:56:12
Local clock offset: -1.181 ms
Remote clock offset: -1.585 ms

Below is generated by plot.py at 2018-02-28 08:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 118.709 ms
Loss rate: 9.18%
-- Flow 1:
Average throughput: 51.83 Mbit/s
95th percentile per-packet one-way delay: 118.775 ms
Loss rate: 7.44%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 118.189 ms
Loss rate: 10.92%
-- Flow 3:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 117.365 ms
Loss rate: 14.93%

Run 5: Report of TCP BBR — Data Link

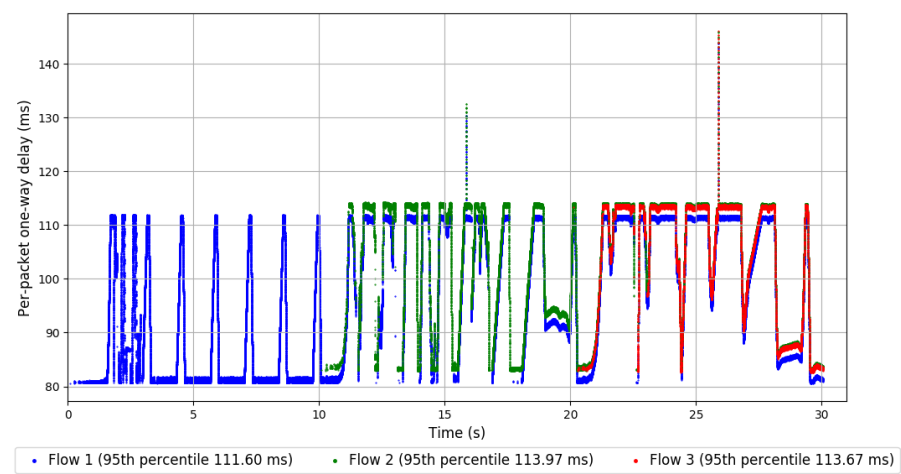
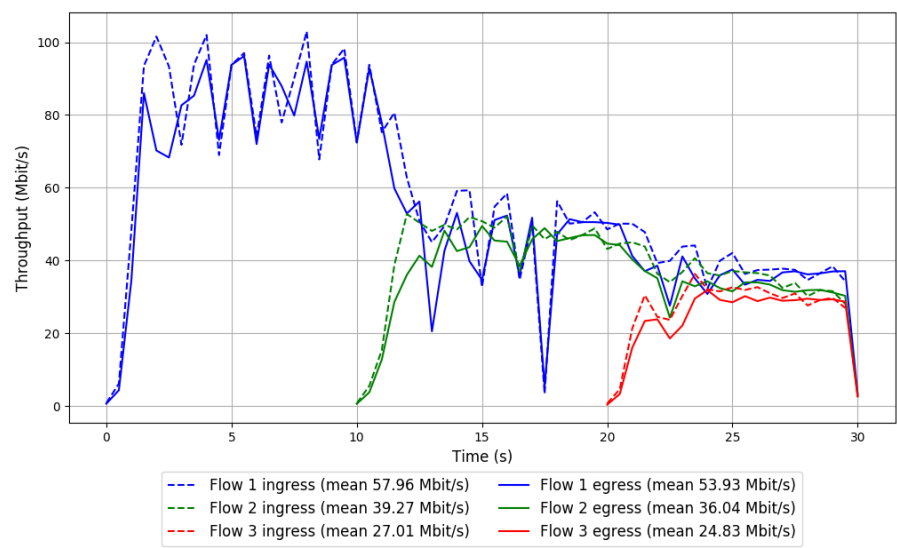


Run 6: Statistics of TCP BBR

Start at: 2018-02-28 06:19:30
End at: 2018-02-28 06:20:00
Local clock offset: -1.845 ms
Remote clock offset: -6.281 ms

Below is generated by plot.py at 2018-02-28 08:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 113.759 ms
Loss rate: 7.45%
-- Flow 1:
Average throughput: 53.93 Mbit/s
95th percentile per-packet one-way delay: 111.598 ms
Loss rate: 6.96%
-- Flow 2:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 113.967 ms
Loss rate: 8.23%
-- Flow 3:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 113.672 ms
Loss rate: 8.37%

Run 6: Report of TCP BBR — Data Link

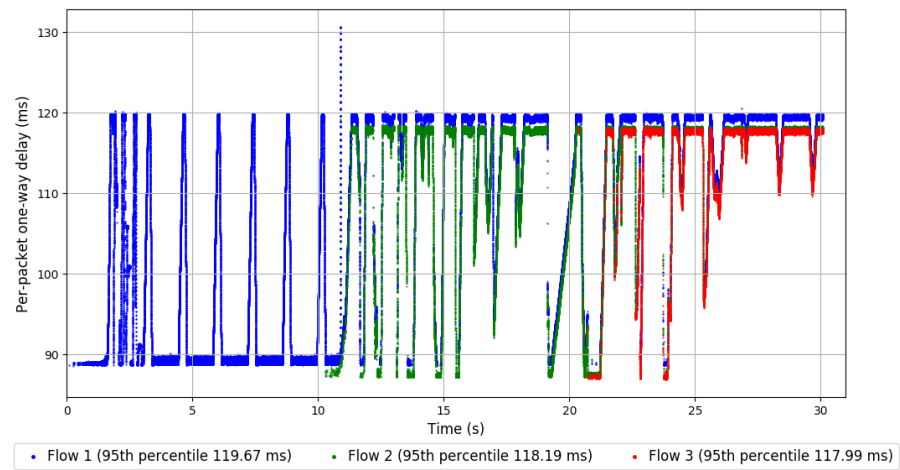
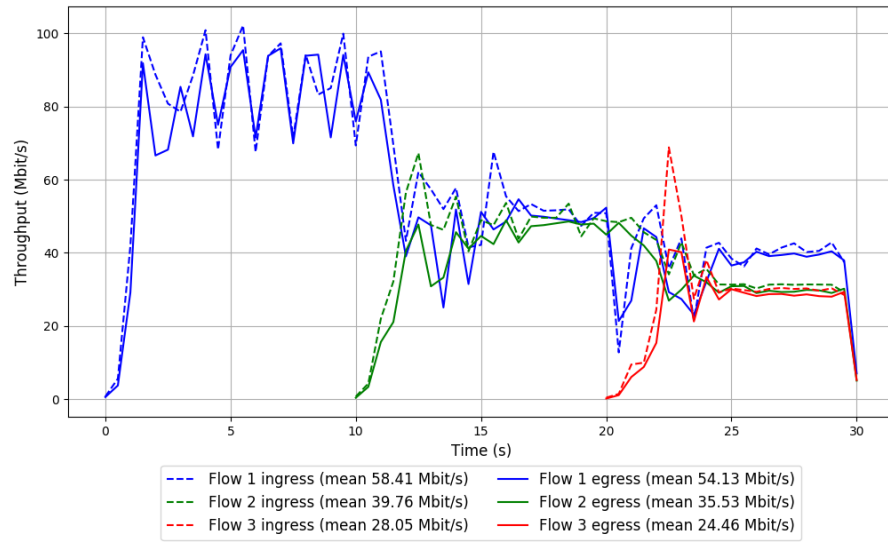


Run 7: Statistics of TCP BBR

Start at: 2018-02-28 06:43:04
End at: 2018-02-28 06:43:34
Local clock offset: -6.792 ms
Remote clock offset: -0.637 ms

Below is generated by plot.py at 2018-02-28 08:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 119.604 ms
Loss rate: 8.74%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 119.667 ms
Loss rate: 7.25%
-- Flow 2:
Average throughput: 35.53 Mbit/s
95th percentile per-packet one-way delay: 118.195 ms
Loss rate: 10.64%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 117.992 ms
Loss rate: 12.75%

Run 7: Report of TCP BBR — Data Link

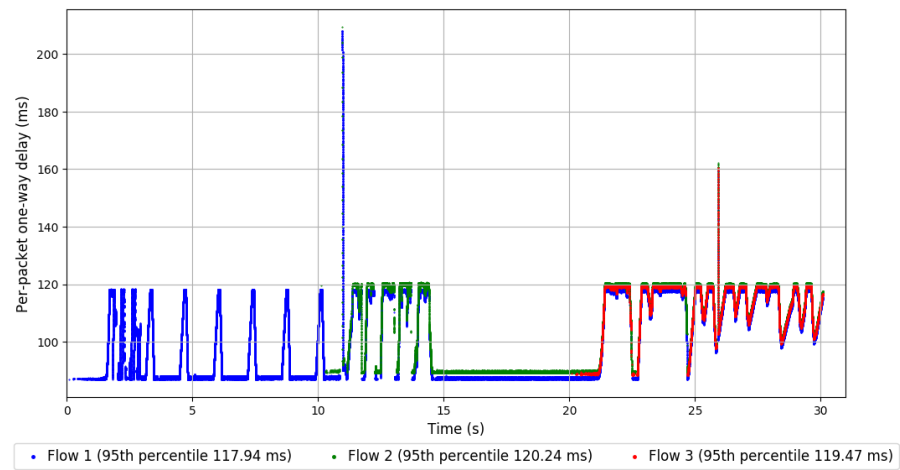
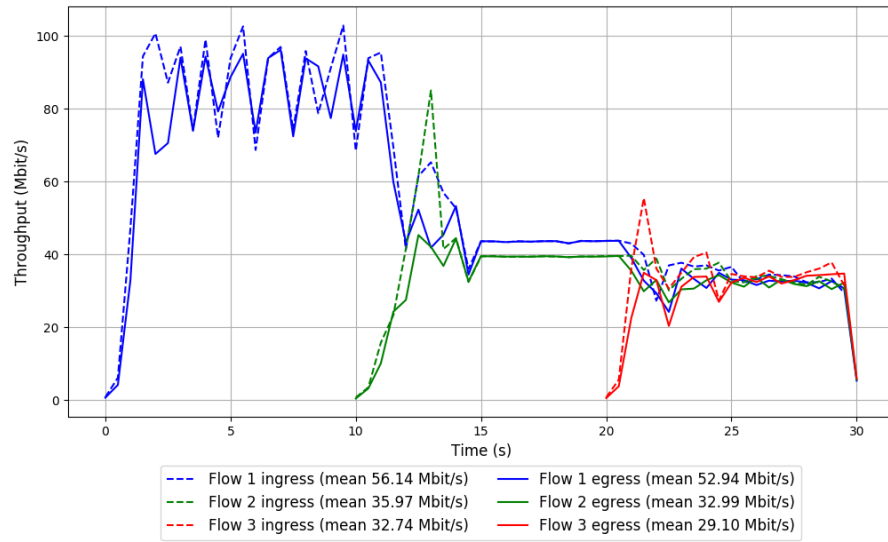


Run 8: Statistics of TCP BBR

Start at: 2018-02-28 07:07:10
End at: 2018-02-28 07:07:40
Local clock offset: -6.737 ms
Remote clock offset: -0.725 ms

Below is generated by plot.py at 2018-02-28 08:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.57 Mbit/s
95th percentile per-packet one-way delay: 119.986 ms
Loss rate: 6.95%
-- Flow 1:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 117.937 ms
Loss rate: 5.62%
-- Flow 2:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 120.241 ms
Loss rate: 8.31%
-- Flow 3:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 119.473 ms
Loss rate: 10.88%

Run 8: Report of TCP BBR — Data Link

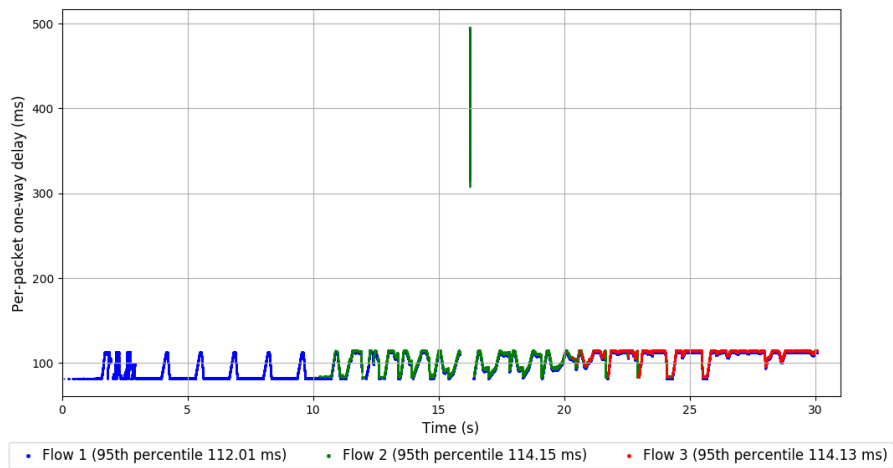
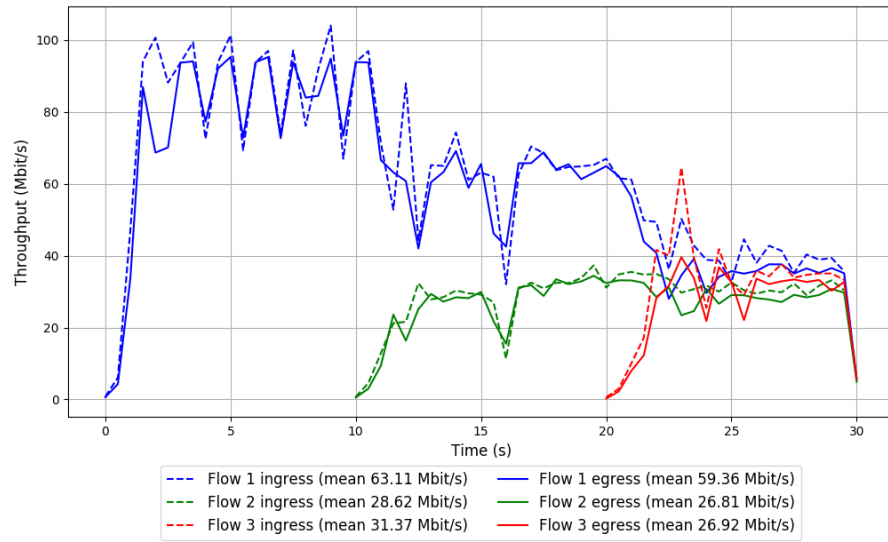


Run 9: Statistics of TCP BBR

Start at: 2018-02-28 07:30:49
End at: 2018-02-28 07:31:19
Local clock offset: -6.53 ms
Remote clock offset: -6.502 ms

Below is generated by plot.py at 2018-02-28 08:22:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 114.020 ms
Loss rate: 6.86%
-- Flow 1:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 112.011 ms
Loss rate: 5.85%
-- Flow 2:
Average throughput: 26.81 Mbit/s
95th percentile per-packet one-way delay: 114.147 ms
Loss rate: 6.18%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 114.130 ms
Loss rate: 14.22%

Run 9: Report of TCP BBR — Data Link

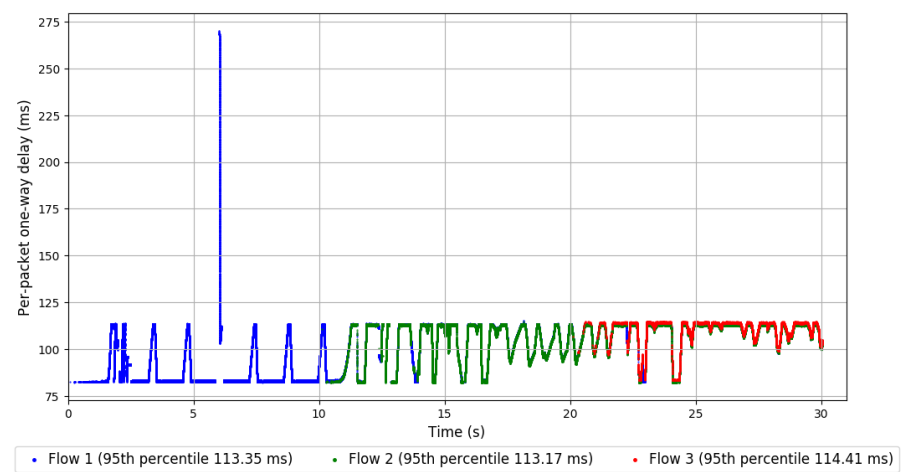
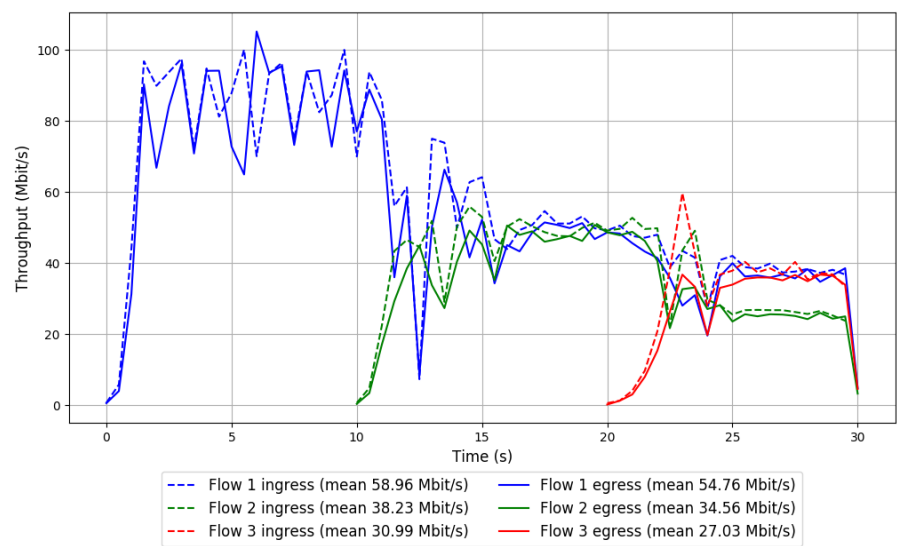


Run 10: Statistics of TCP BBR

Start at: 2018-02-28 07:54:36
End at: 2018-02-28 07:55:06
Local clock offset: -5.306 ms
Remote clock offset: -5.559 ms

Below is generated by plot.py at 2018-02-28 08:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.71 Mbit/s
95th percentile per-packet one-way delay: 114.016 ms
Loss rate: 8.37%
-- Flow 1:
Average throughput: 54.76 Mbit/s
95th percentile per-packet one-way delay: 113.353 ms
Loss rate: 7.05%
-- Flow 2:
Average throughput: 34.56 Mbit/s
95th percentile per-packet one-way delay: 113.170 ms
Loss rate: 9.65%
-- Flow 3:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 114.411 ms
Loss rate: 12.79%

Run 10: Report of TCP BBR — Data Link

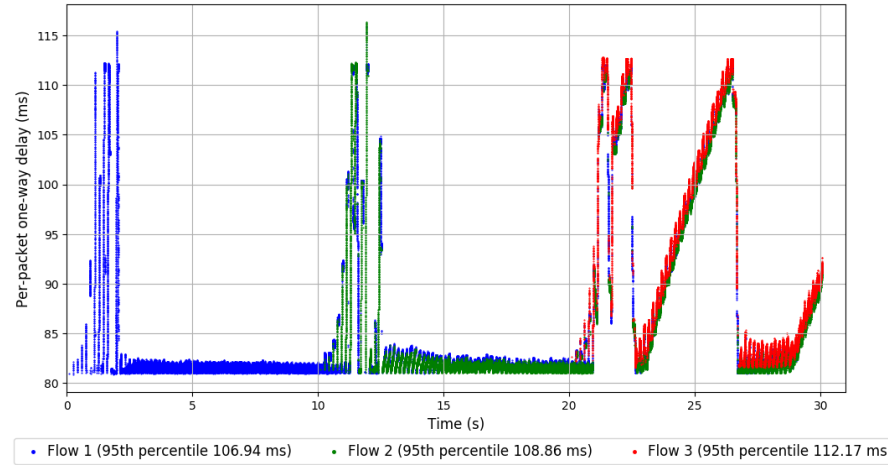
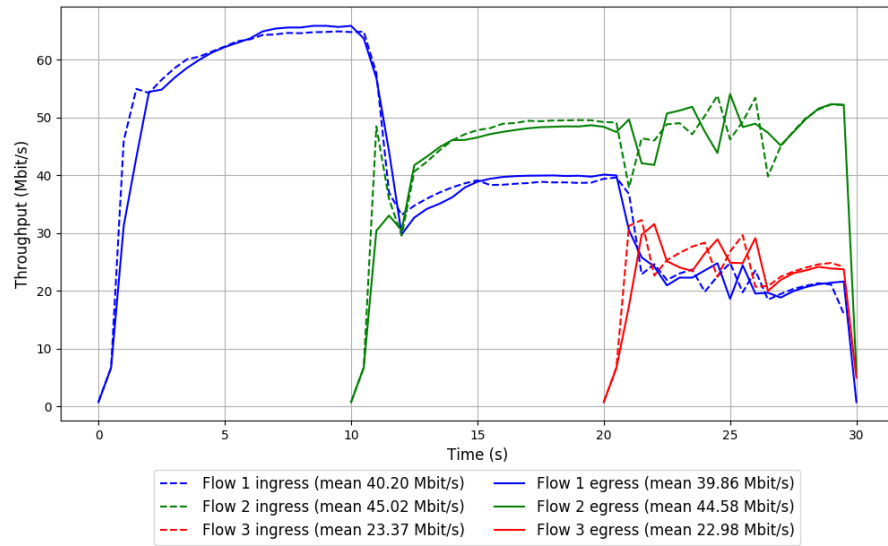


Run 1: Statistics of TCP Cubic

Start at: 2018-02-28 04:18:22
End at: 2018-02-28 04:18:52
Local clock offset: -0.39 ms
Remote clock offset: -5.984 ms

Below is generated by plot.py at 2018-02-28 08:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.17 Mbit/s
95th percentile per-packet one-way delay: 109.139 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 106.939 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 44.58 Mbit/s
95th percentile per-packet one-way delay: 108.862 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 112.165 ms
Loss rate: 1.57%

Run 1: Report of TCP Cubic — Data Link

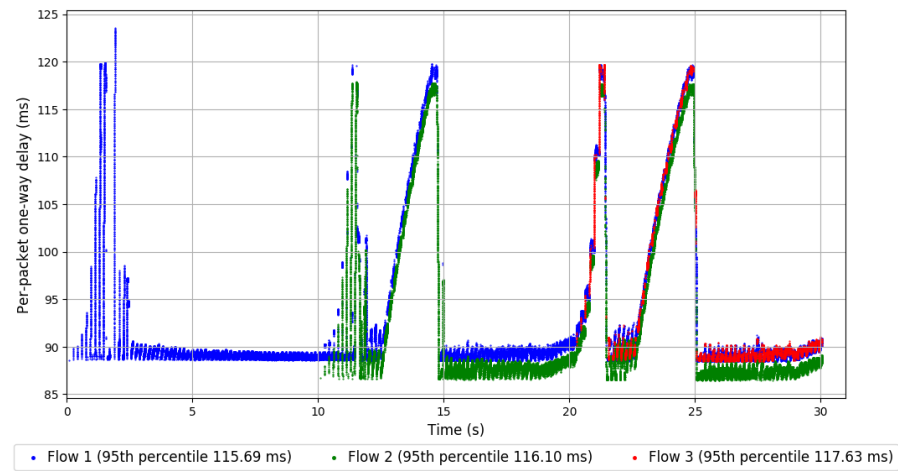
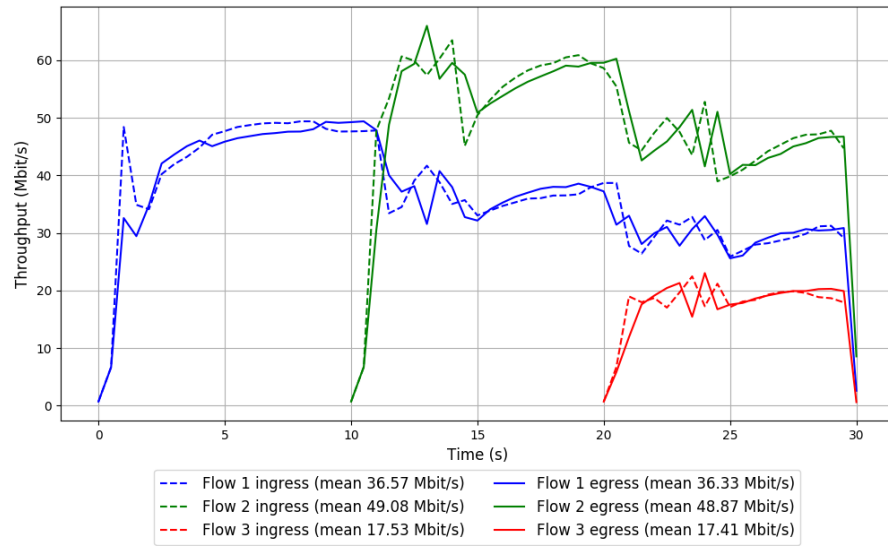


Run 2: Statistics of TCP Cubic

Start at: 2018-02-28 04:41:56
End at: 2018-02-28 04:42:26
Local clock offset: -0.826 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-02-28 08:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.65 Mbit/s
95th percentile per-packet one-way delay: 116.106 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 115.691 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 116.099 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 17.41 Mbit/s
95th percentile per-packet one-way delay: 117.633 ms
Loss rate: 0.68%

Run 2: Report of TCP Cubic — Data Link

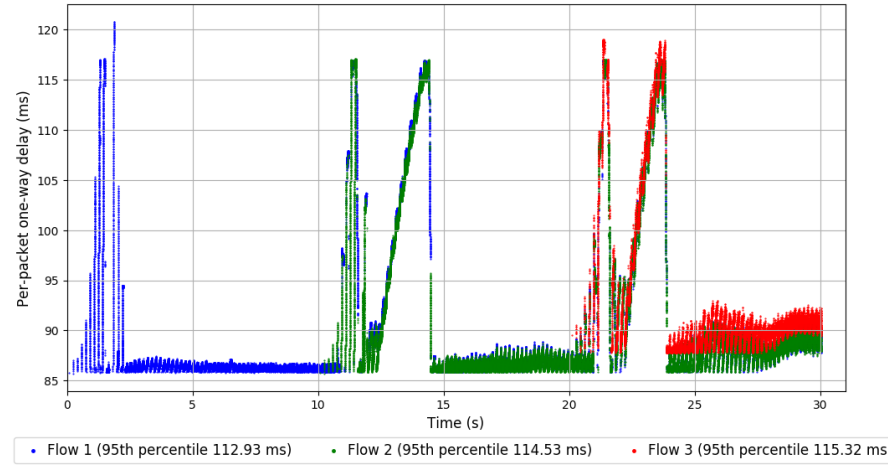
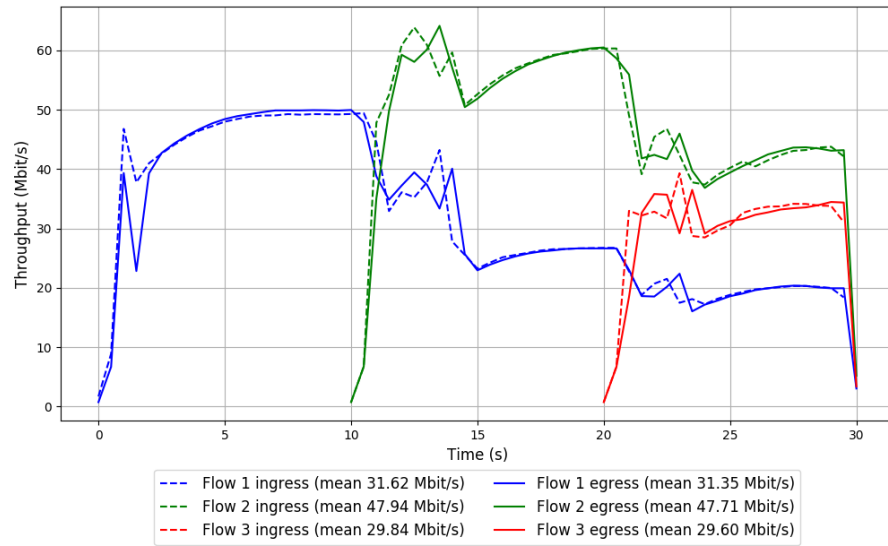


Run 3: Statistics of TCP Cubic

Start at: 2018-02-28 05:05:30
End at: 2018-02-28 05:06:00
Local clock offset: -3.767 ms
Remote clock offset: -1.236 ms

Below is generated by plot.py at 2018-02-28 08:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.96 Mbit/s
95th percentile per-packet one-way delay: 114.389 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 112.930 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 114.525 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 115.316 ms
Loss rate: 0.82%

Run 3: Report of TCP Cubic — Data Link

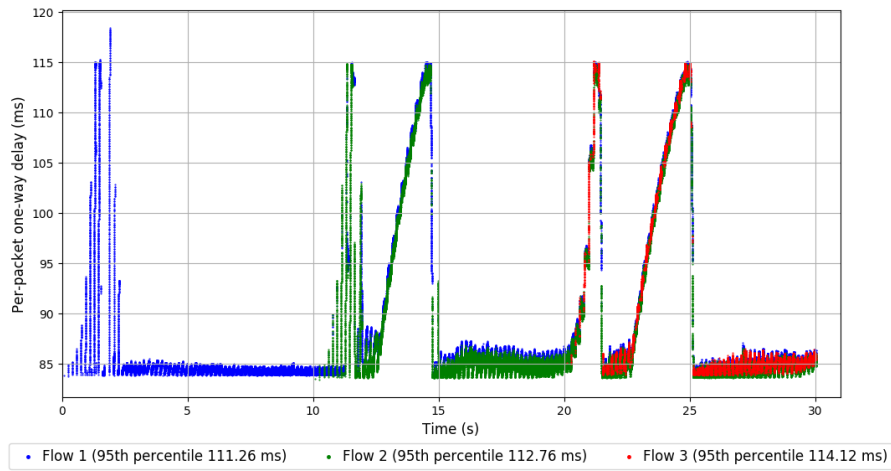
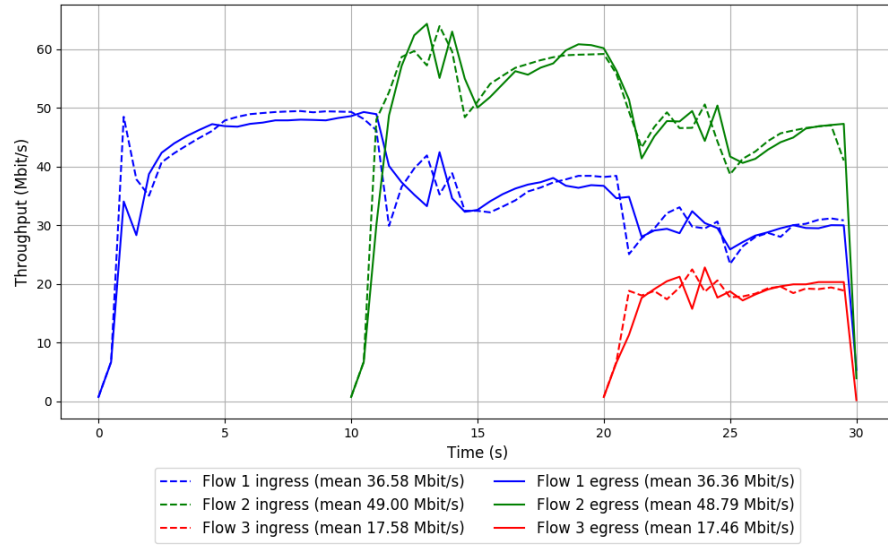


Run 4: Statistics of TCP Cubic

Start at: 2018-02-28 05:29:18
End at: 2018-02-28 05:29:48
Local clock offset: -0.705 ms
Remote clock offset: -5.404 ms

Below is generated by plot.py at 2018-02-28 08:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 112.621 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 111.263 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 112.762 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 17.46 Mbit/s
95th percentile per-packet one-way delay: 114.118 ms
Loss rate: 0.67%

Run 4: Report of TCP Cubic — Data Link

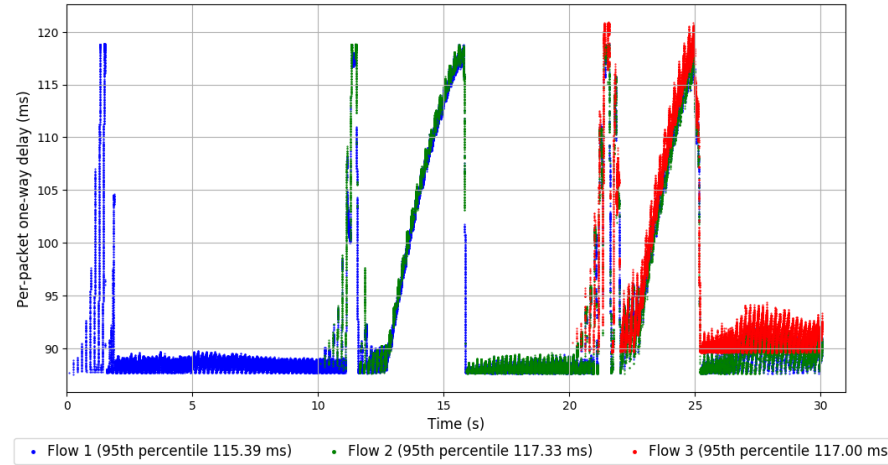
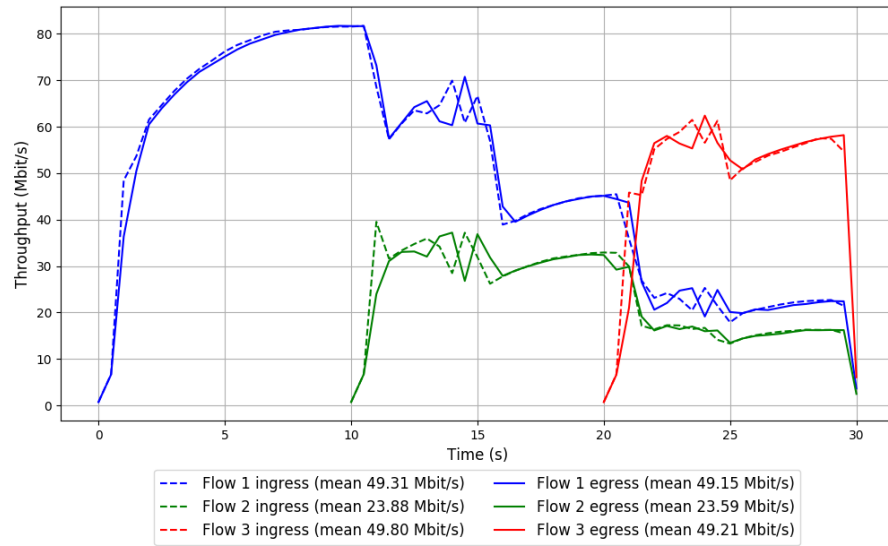


Run 5: Statistics of TCP Cubic

Start at: 2018-02-28 05:53:03
End at: 2018-02-28 05:53:33
Local clock offset: -0.842 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-02-28 08:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.20 Mbit/s
95th percentile per-packet one-way delay: 116.260 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 115.390 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 117.335 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 117.004 ms
Loss rate: 1.17%

Run 5: Report of TCP Cubic — Data Link

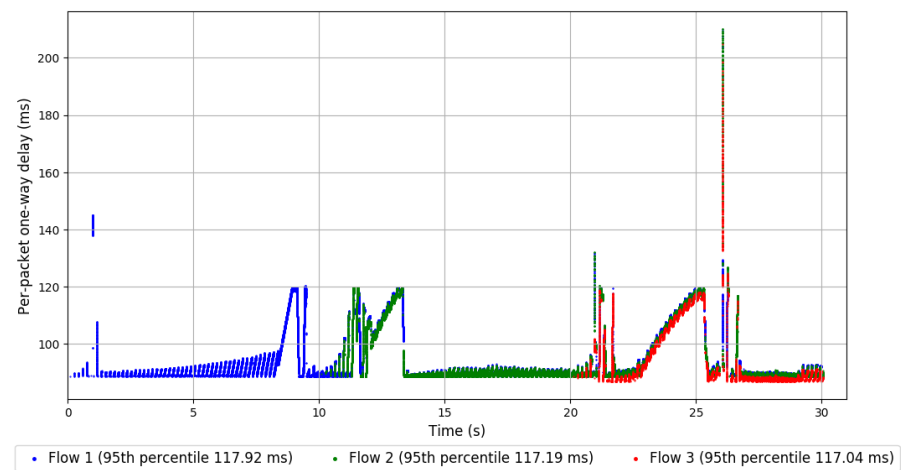
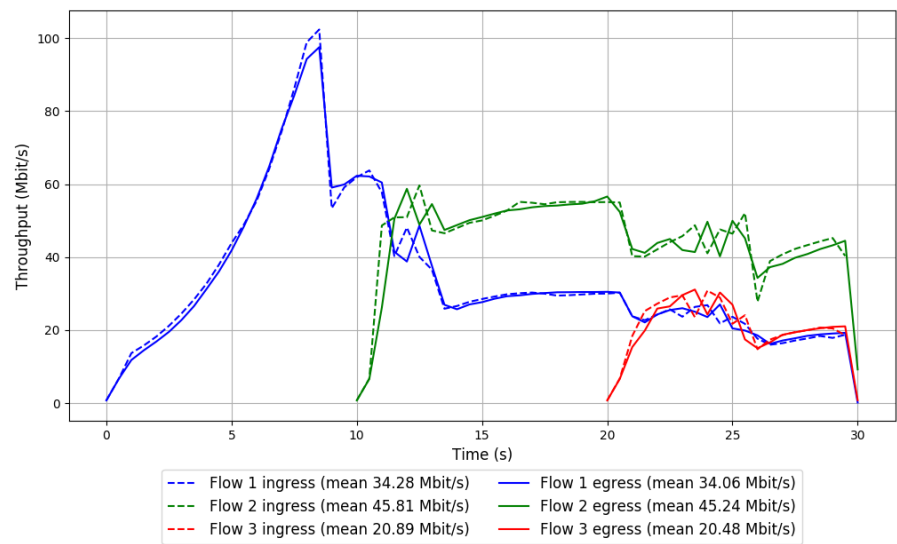


Run 6: Statistics of TCP Cubic

Start at: 2018-02-28 06:16:52
End at: 2018-02-28 06:17:22
Local clock offset: -1.883 ms
Remote clock offset: -0.591 ms

Below is generated by plot.py at 2018-02-28 08:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 117.411 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 117.919 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 45.24 Mbit/s
95th percentile per-packet one-way delay: 117.185 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 117.040 ms
Loss rate: 1.97%

Run 6: Report of TCP Cubic — Data Link

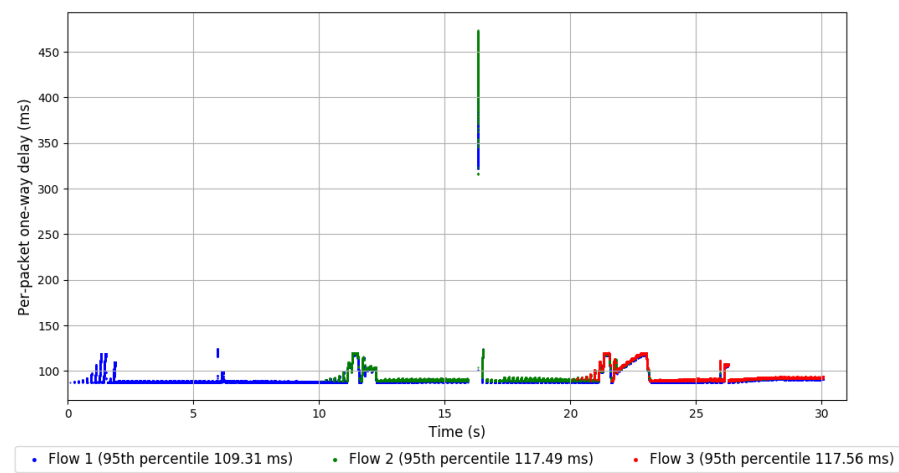
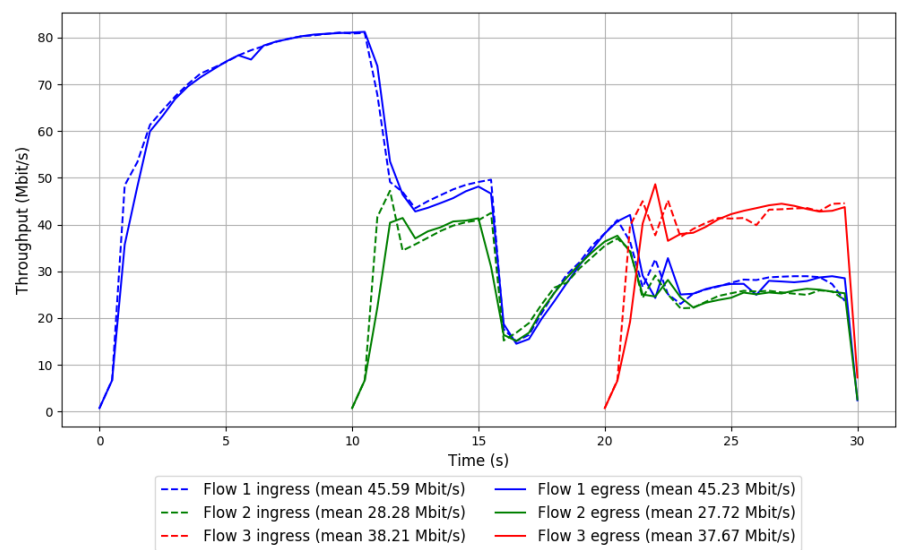


Run 7: Statistics of TCP Cubic

Start at: 2018-02-28 06:40:24
End at: 2018-02-28 06:40:54
Local clock offset: -6.543 ms
Remote clock offset: -0.544 ms

Below is generated by plot.py at 2018-02-28 08:23:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 114.049 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 45.23 Mbit/s
95th percentile per-packet one-way delay: 109.314 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 117.491 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 117.557 ms
Loss rate: 1.46%

Run 7: Report of TCP Cubic — Data Link

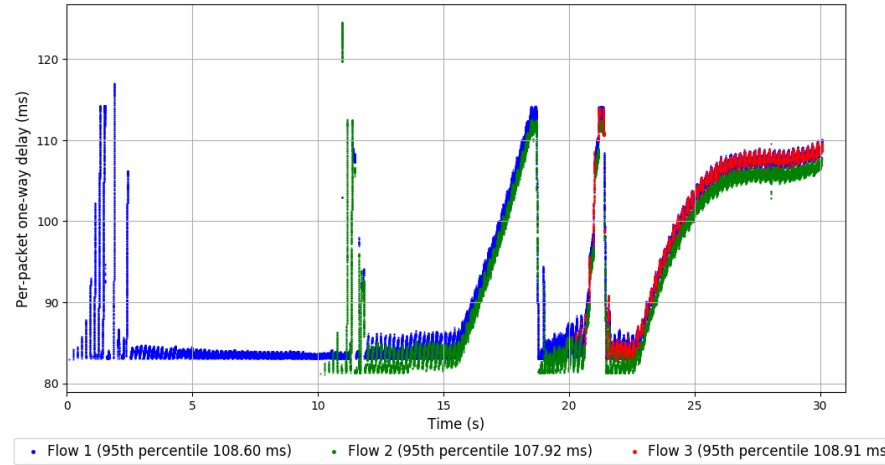
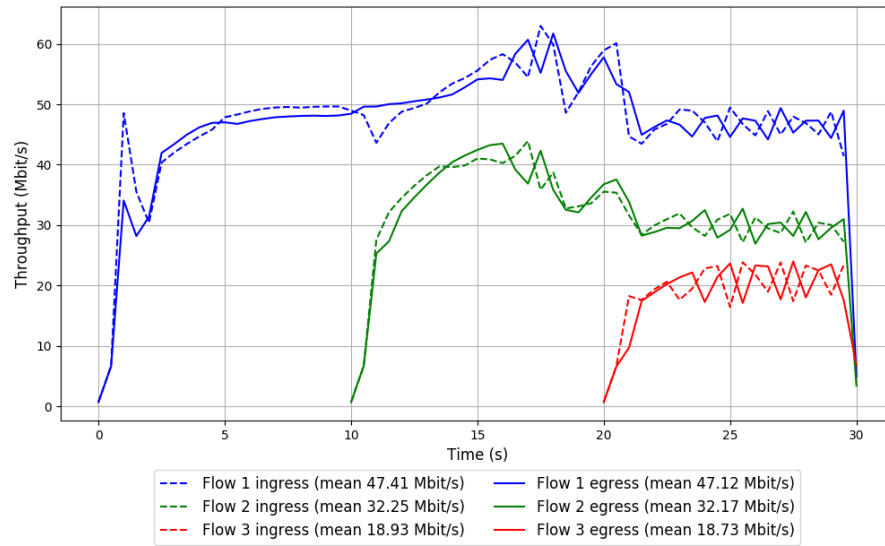


Run 8: Statistics of TCP Cubic

Start at: 2018-02-28 07:04:28
End at: 2018-02-28 07:04:58
Local clock offset: -6.776 ms
Remote clock offset: -6.362 ms

Below is generated by plot.py at 2018-02-28 08:23:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.75 Mbit/s
95th percentile per-packet one-way delay: 108.627 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 108.602 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 107.921 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 108.910 ms
Loss rate: 0.85%

Run 8: Report of TCP Cubic — Data Link

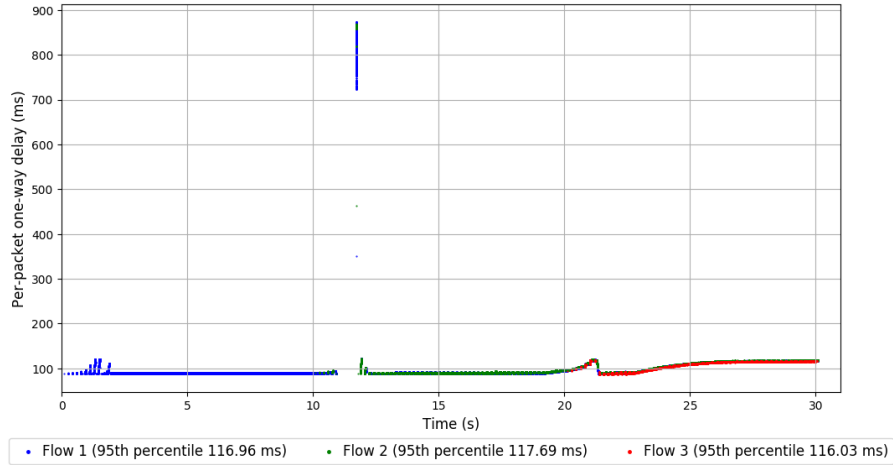
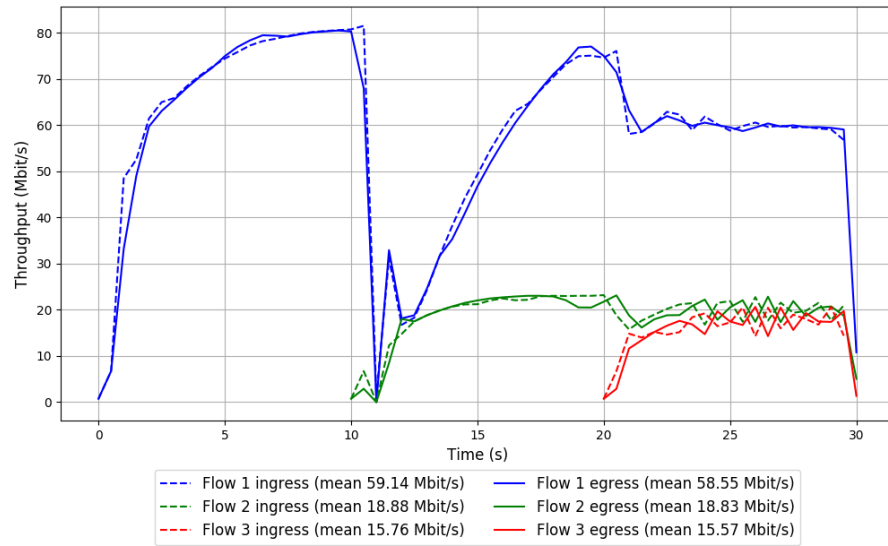


Run 9: Statistics of TCP Cubic

Start at: 2018-02-28 07:28:10
End at: 2018-02-28 07:28:40
Local clock offset: -6.904 ms
Remote clock offset: -0.692 ms

Below is generated by plot.py at 2018-02-28 08:23:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.26 Mbit/s
95th percentile per-packet one-way delay: 117.170 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 58.55 Mbit/s
95th percentile per-packet one-way delay: 116.959 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 18.83 Mbit/s
95th percentile per-packet one-way delay: 117.693 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 116.027 ms
Loss rate: 0.94%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-28 07:51:58

End at: 2018-02-28 07:52:28

Local clock offset: -5.283 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-02-28 08:23:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.98 Mbit/s

95th percentile per-packet one-way delay: 115.800 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 53.50 Mbit/s

95th percentile per-packet one-way delay: 113.406 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 37.18 Mbit/s

95th percentile per-packet one-way delay: 117.026 ms

Loss rate: 0.79%

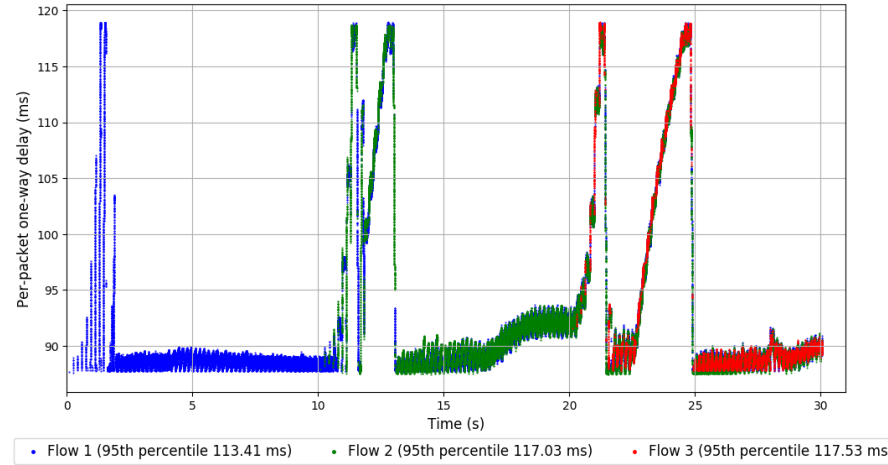
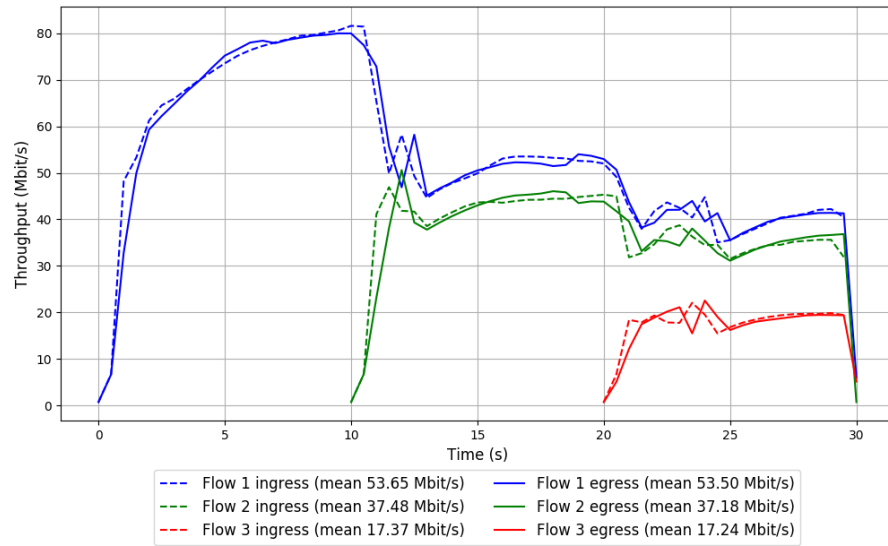
-- Flow 3:

Average throughput: 17.24 Mbit/s

95th percentile per-packet one-way delay: 117.532 ms

Loss rate: 0.75%

Run 10: Report of TCP Cubic — Data Link

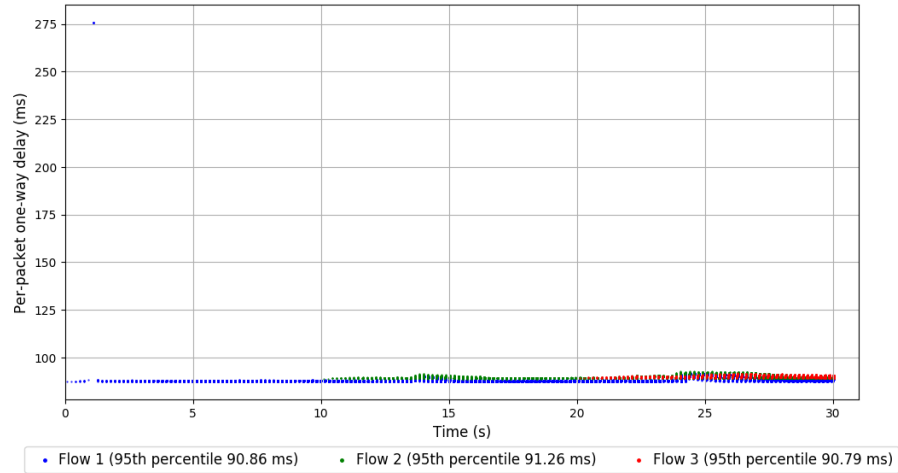
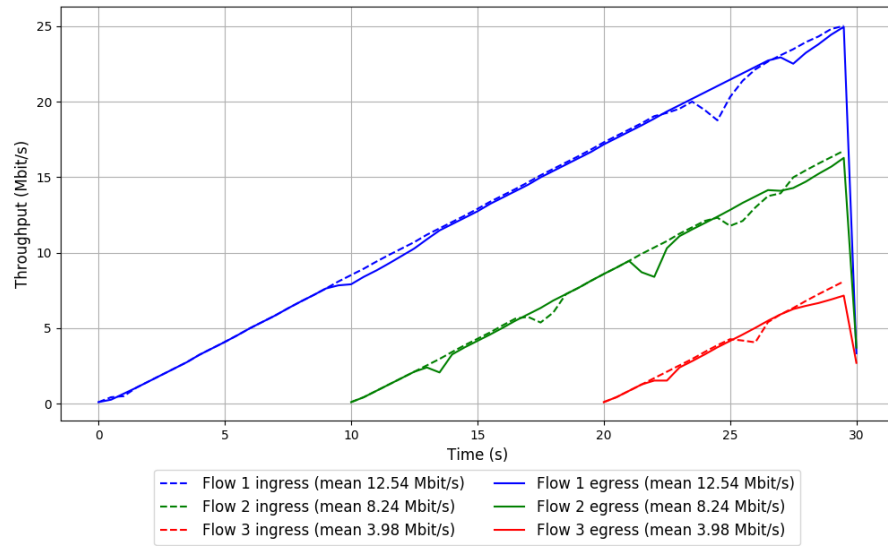


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-28 03:58:27
End at: 2018-02-28 03:58:57
Local clock offset: 2.414 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-02-28 08:23:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.34 Mbit/s
95th percentile per-packet one-way delay: 90.989 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 90.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 91.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 90.790 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

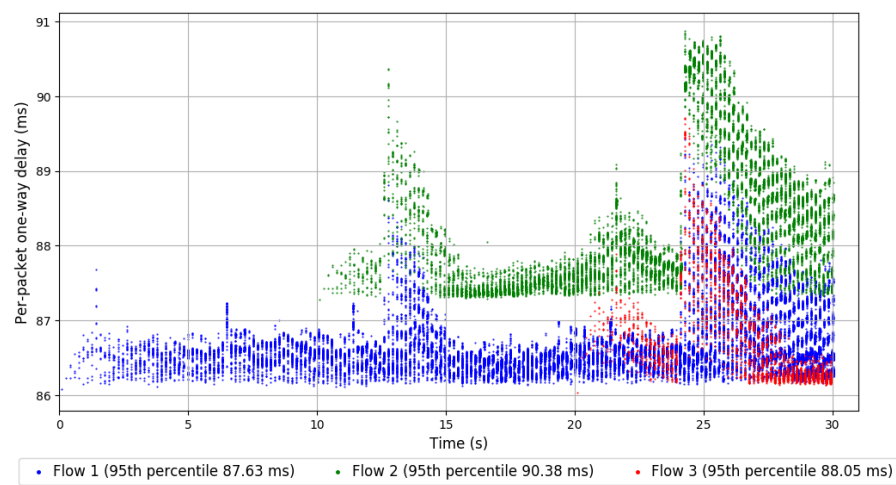
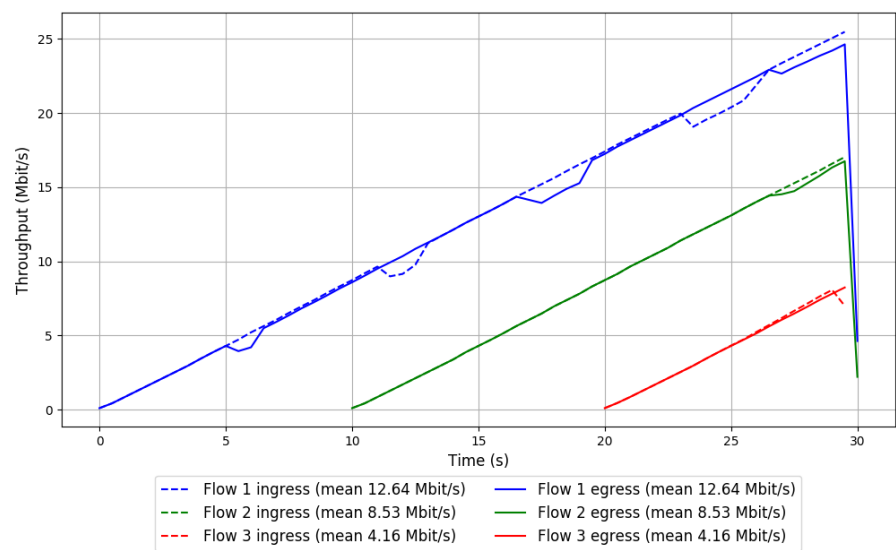


Run 2: Statistics of LEDBAT

Start at: 2018-02-28 04:22:21
End at: 2018-02-28 04:22:51
Local clock offset: -0.224 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2018-02-28 08:23:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 89.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 87.632 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 90.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 88.052 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

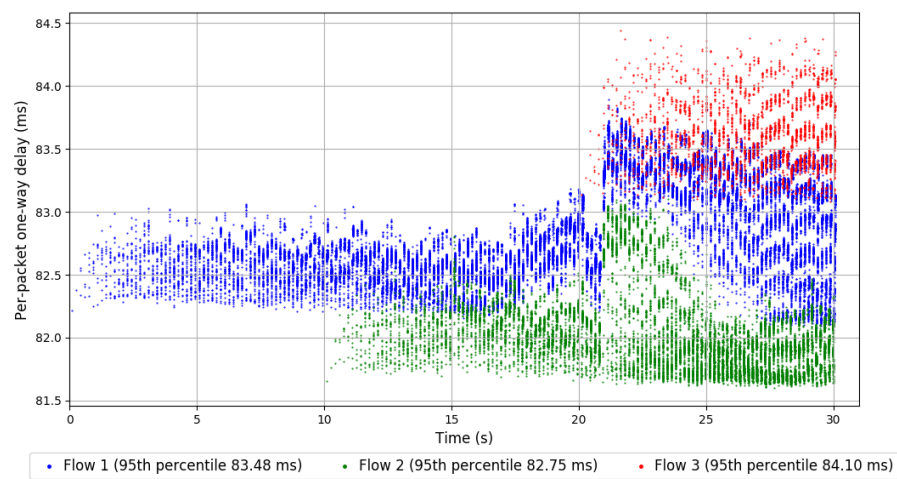
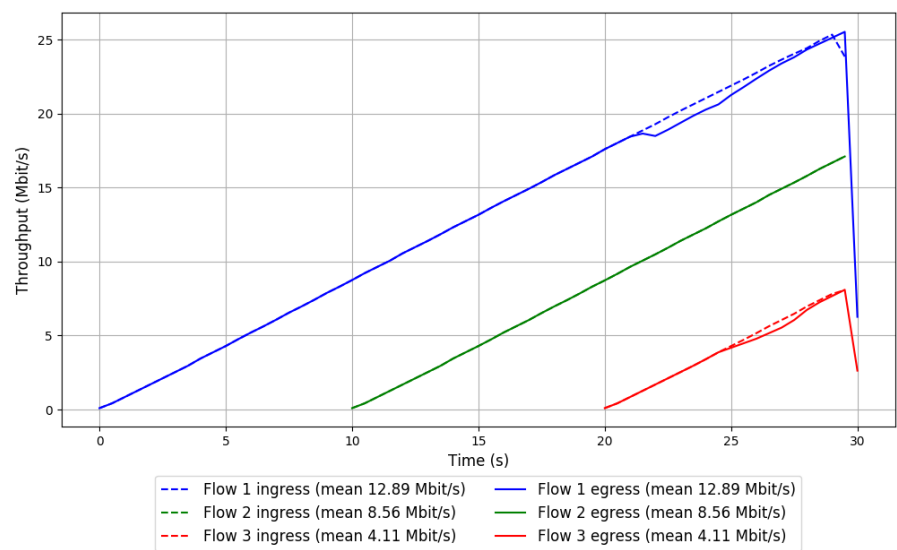


Run 3: Statistics of LEDBAT

Start at: 2018-02-28 04:45:55
End at: 2018-02-28 04:46:25
Local clock offset: -2.471 ms
Remote clock offset: -5.264 ms

Below is generated by plot.py at 2018-02-28 08:23:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 83.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.89 Mbit/s
95th percentile per-packet one-way delay: 83.479 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 82.746 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 84.097 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-28 05:09:28

End at: 2018-02-28 05:09:59

Local clock offset: -3.526 ms

Remote clock offset: 0.469 ms

Below is generated by plot.py at 2018-02-28 08:23:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.64 Mbit/s

95th percentile per-packet one-way delay: 90.165 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.51 Mbit/s

95th percentile per-packet one-way delay: 89.881 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.68 Mbit/s

95th percentile per-packet one-way delay: 90.333 ms

Loss rate: 0.00%

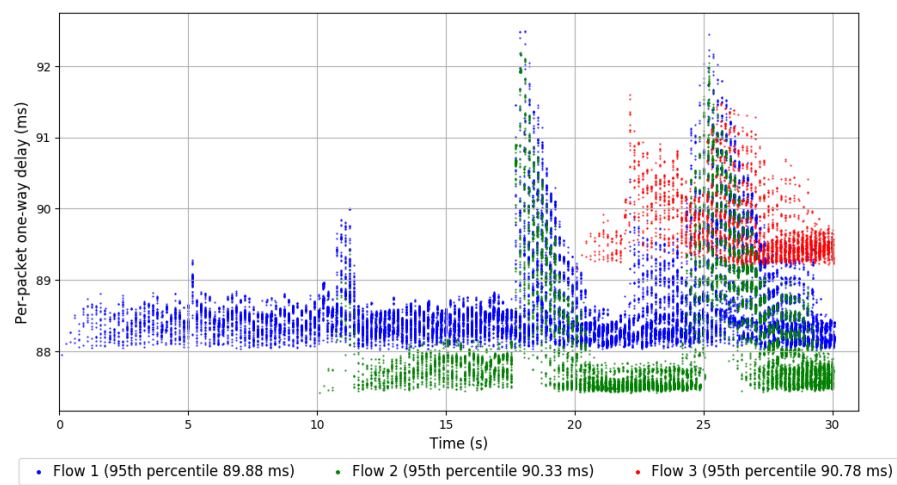
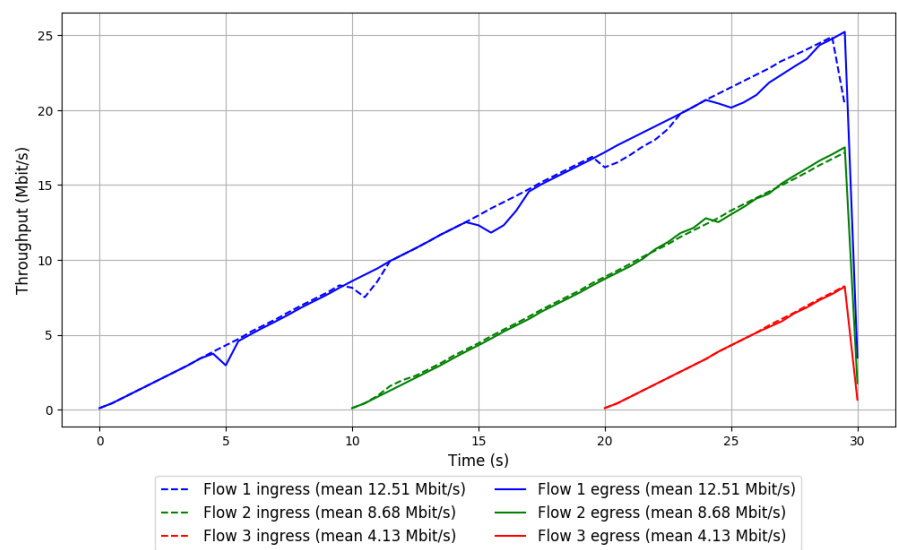
-- Flow 3:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 90.777 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-28 05:33:18

End at: 2018-02-28 05:33:48

Local clock offset: -0.31 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-02-28 08:23:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.97 Mbit/s

95th percentile per-packet one-way delay: 90.241 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 7.66 Mbit/s

95th percentile per-packet one-way delay: 89.687 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 90.818 ms

Loss rate: 0.00%

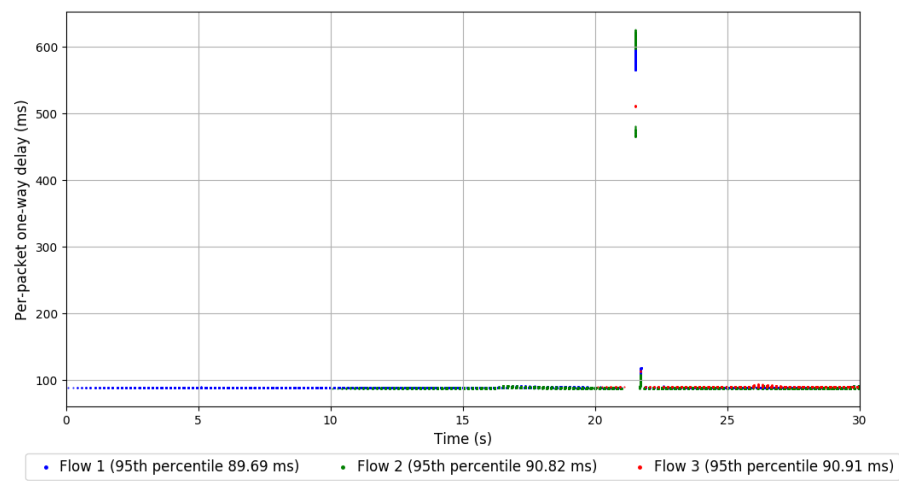
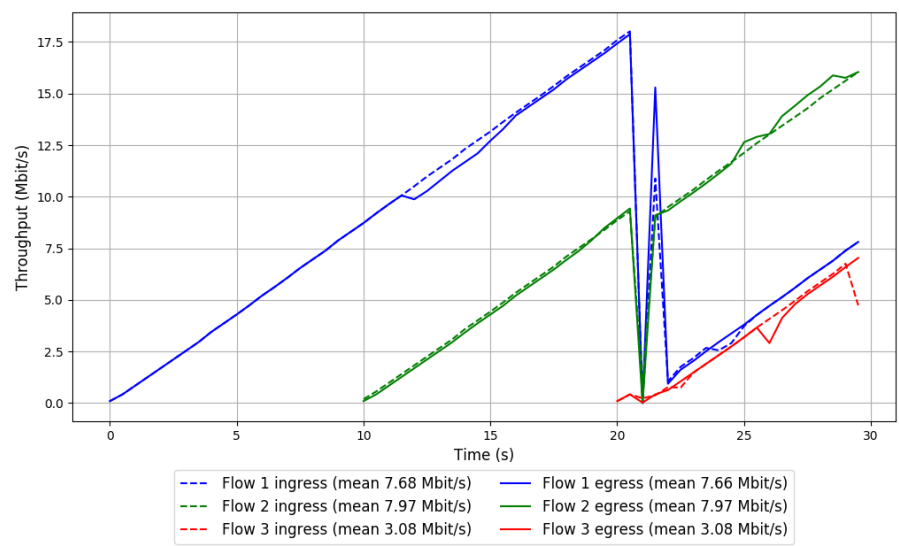
-- Flow 3:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 90.906 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

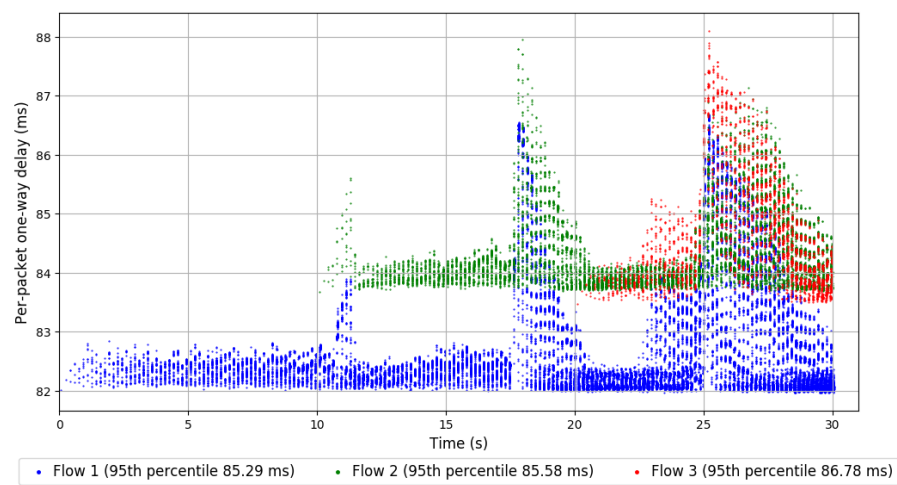
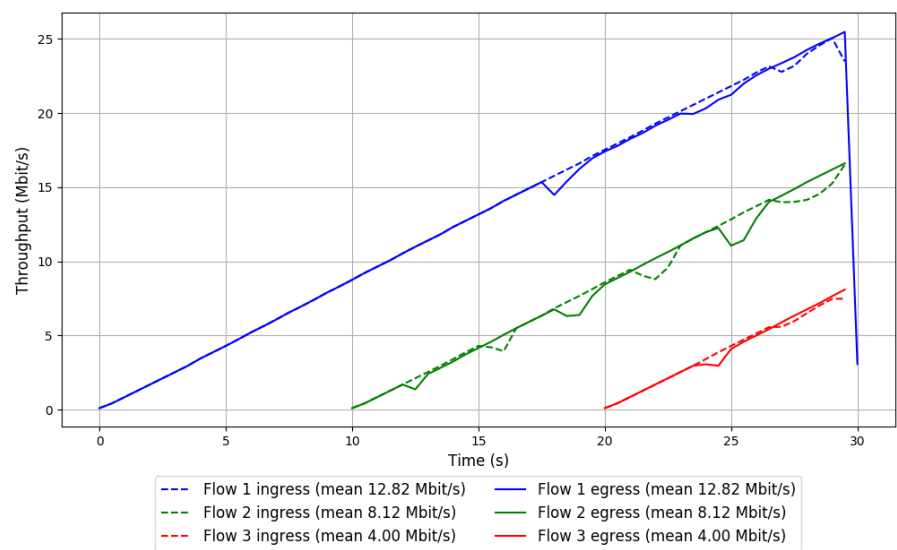


Run 6: Statistics of LEDBAT

Start at: 2018-02-28 05:57:01
End at: 2018-02-28 05:57:31
Local clock offset: -1.336 ms
Remote clock offset: -5.579 ms

Below is generated by plot.py at 2018-02-28 08:23:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.53 Mbit/s
95th percentile per-packet one-way delay: 85.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 85.290 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 85.584 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 86.781 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

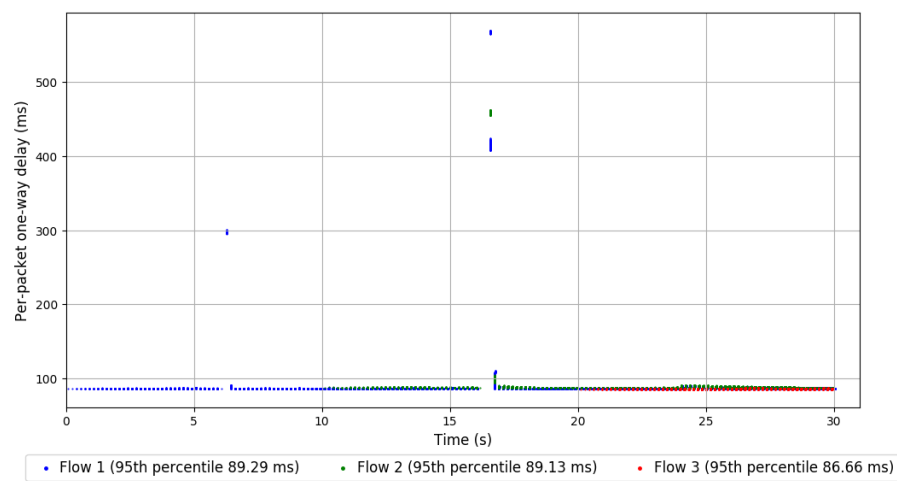
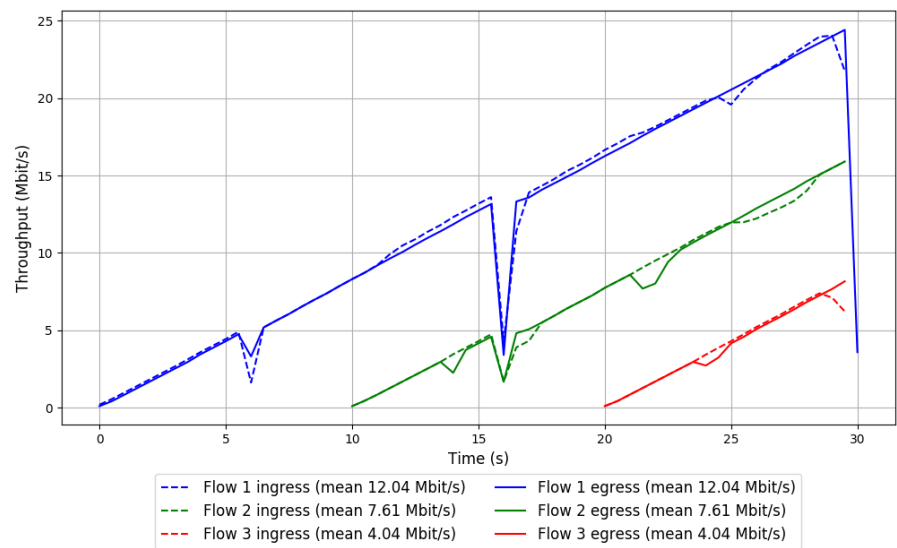


Run 7: Statistics of LEDBAT

Start at: 2018-02-28 06:20:50
End at: 2018-02-28 06:21:20
Local clock offset: -2.135 ms
Remote clock offset: -1.372 ms

Below is generated by plot.py at 2018-02-28 08:23:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 89.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 89.294 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 89.133 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 86.658 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

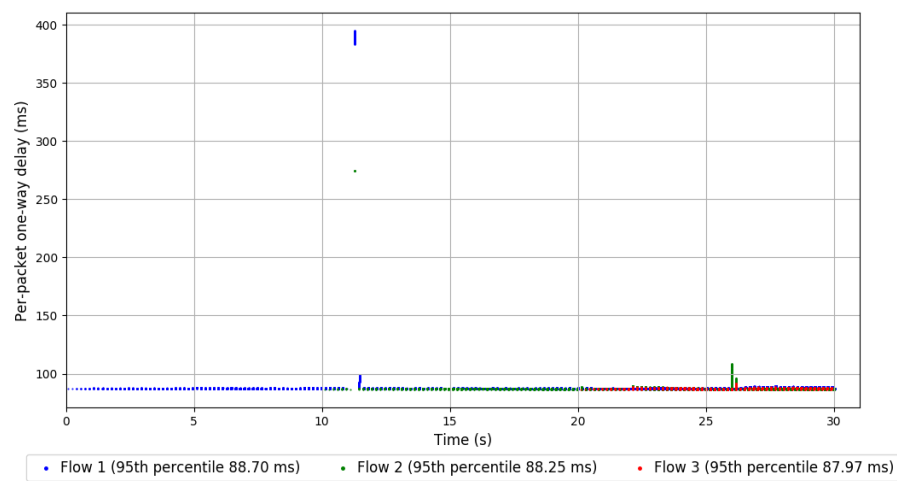
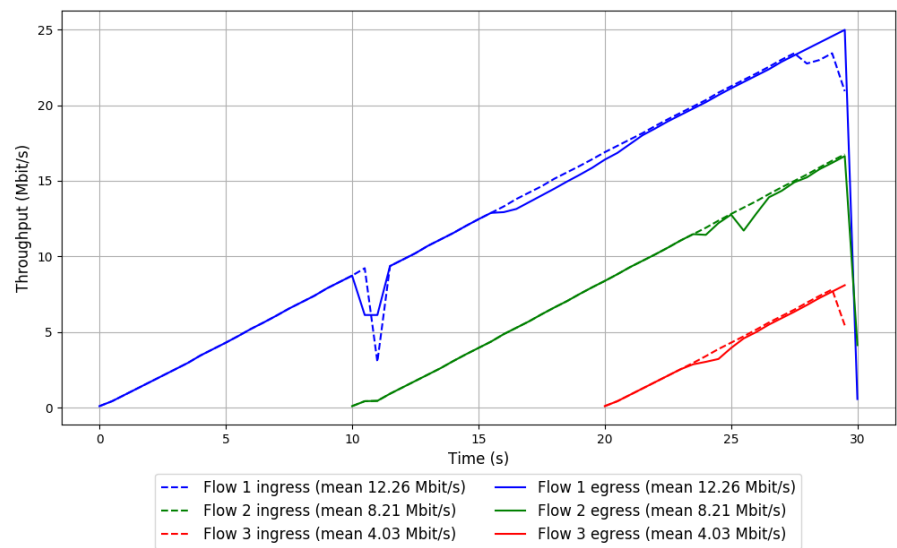


Run 8: Statistics of LEDBAT

Start at: 2018-02-28 06:44:24
End at: 2018-02-28 06:44:54
Local clock offset: -6.868 ms
Remote clock offset: -0.604 ms

Below is generated by plot.py at 2018-02-28 08:23:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.04 Mbit/s
95th percentile per-packet one-way delay: 88.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.26 Mbit/s
95th percentile per-packet one-way delay: 88.699 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 88.253 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 87.966 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

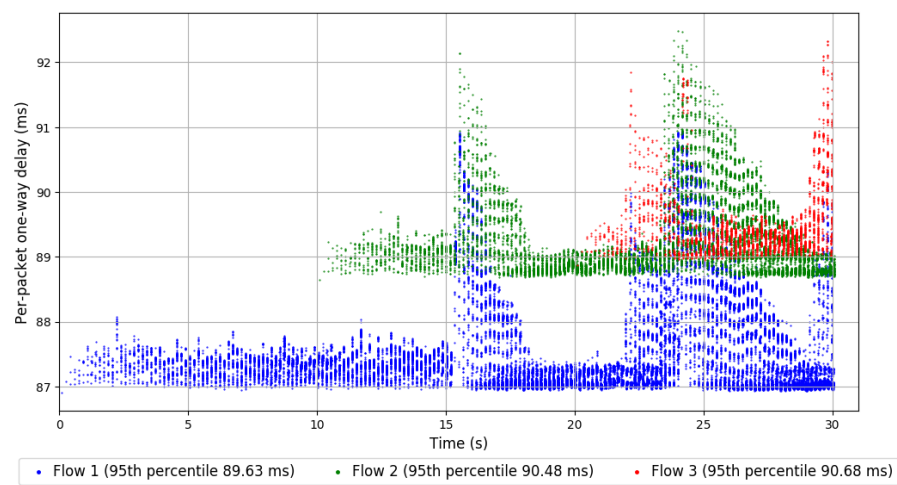
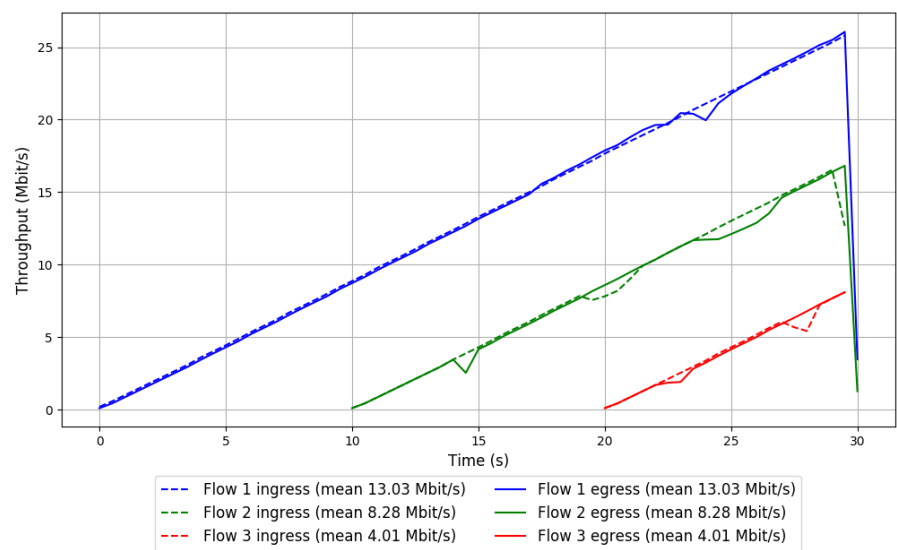


Run 9: Statistics of LEDBAT

Start at: 2018-02-28 07:08:29
End at: 2018-02-28 07:08:59
Local clock offset: -6.758 ms
Remote clock offset: -0.746 ms

Below is generated by plot.py at 2018-02-28 08:23:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.85 Mbit/s
95th percentile per-packet one-way delay: 90.115 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 89.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 90.481 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 90.677 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

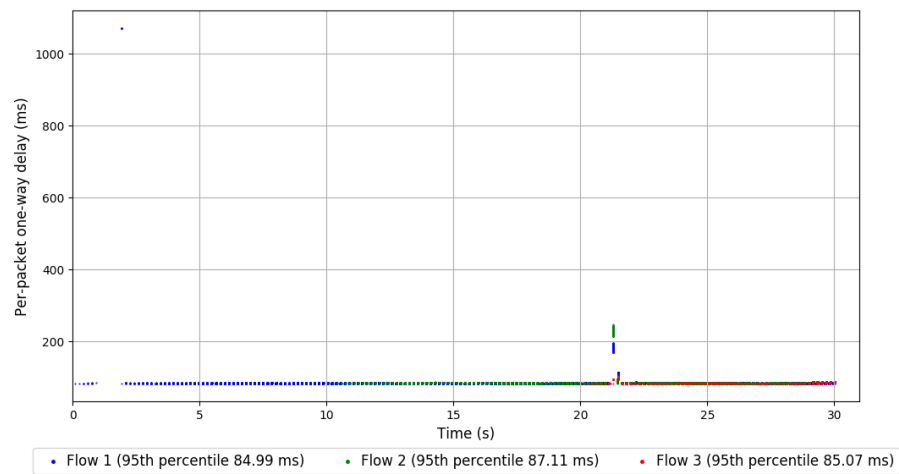
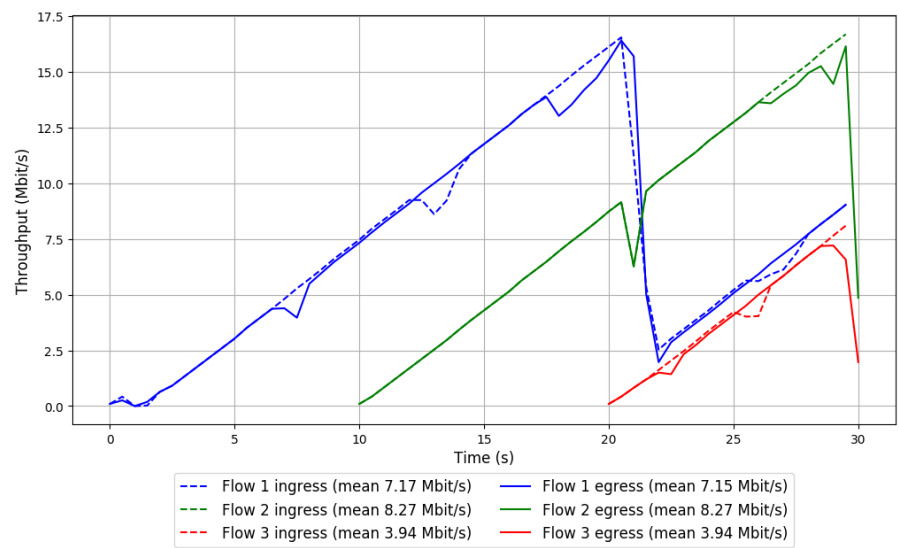


Run 10: Statistics of LEDBAT

Start at: 2018-02-28 07:32:09
End at: 2018-02-28 07:32:39
Local clock offset: -6.31 ms
Remote clock offset: -5.647 ms

Below is generated by plot.py at 2018-02-28 08:23:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.95 Mbit/s
95th percentile per-packet one-way delay: 85.954 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 84.991 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 87.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 85.068 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

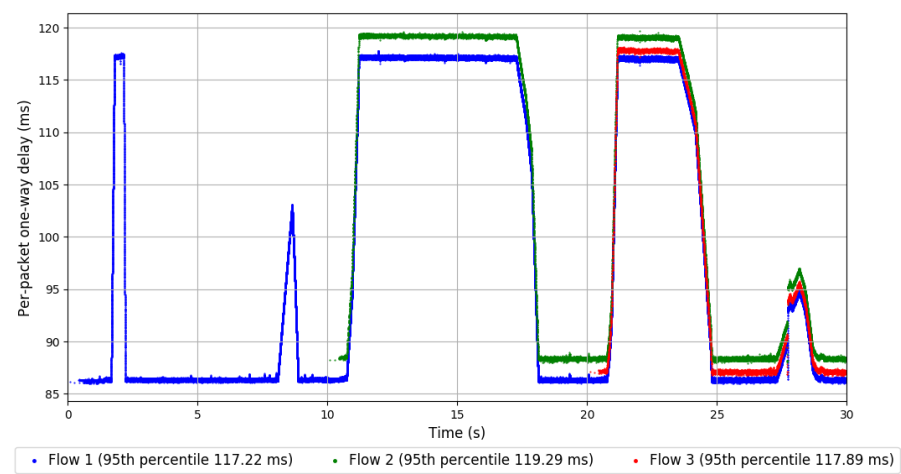
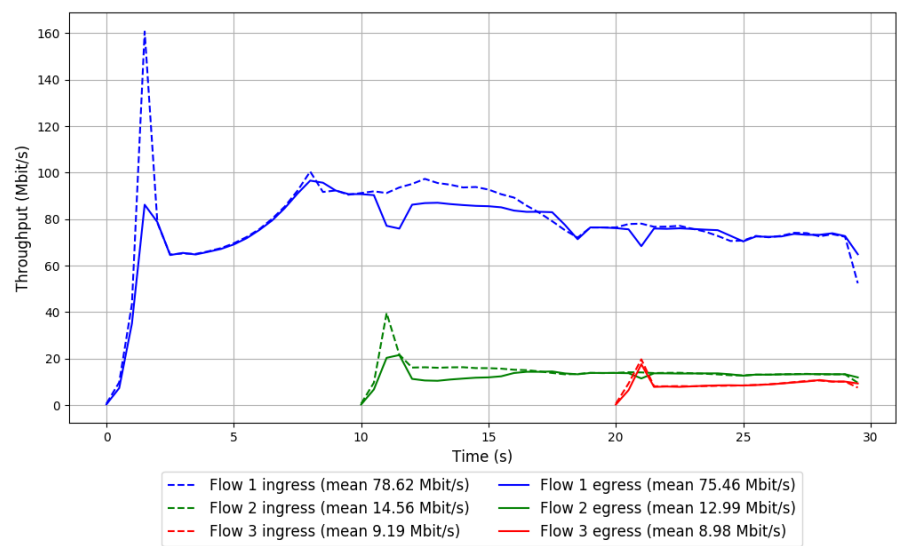


Run 1: Statistics of PCC

Start at: 2018-02-28 04:10:28
End at: 2018-02-28 04:10:58
Local clock offset: 0.694 ms
Remote clock offset: -0.476 ms

Below is generated by plot.py at 2018-02-28 08:24:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 117.740 ms
Loss rate: 4.67%
-- Flow 1:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 117.222 ms
Loss rate: 4.01%
-- Flow 2:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 119.289 ms
Loss rate: 10.77%
-- Flow 3:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 117.894 ms
Loss rate: 2.30%

Run 1: Report of PCC — Data Link

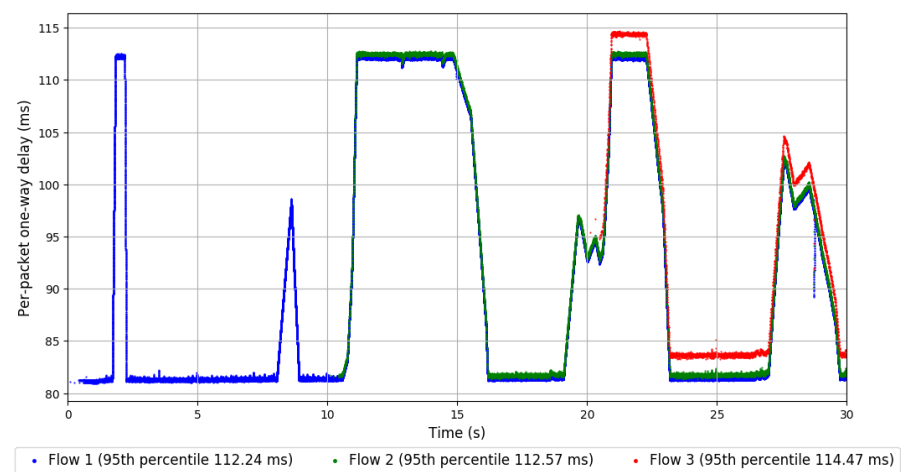
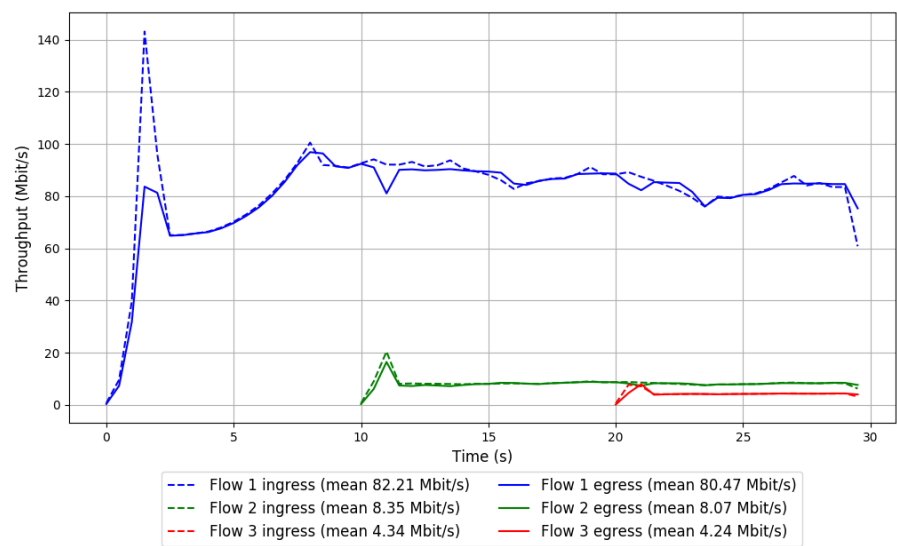


Run 2: Statistics of PCC

Start at: 2018-02-28 04:34:03
End at: 2018-02-28 04:34:33
Local clock offset: 1.391 ms
Remote clock offset: -6.048 ms

Below is generated by plot.py at 2018-02-28 08:24:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 112.264 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 80.47 Mbit/s
95th percentile per-packet one-way delay: 112.239 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 112.566 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 114.467 ms
Loss rate: 2.42%

Run 2: Report of PCC — Data Link

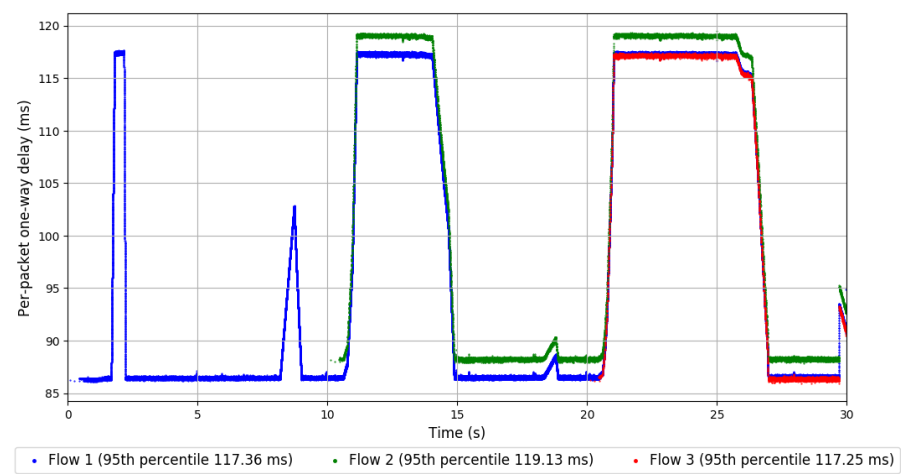
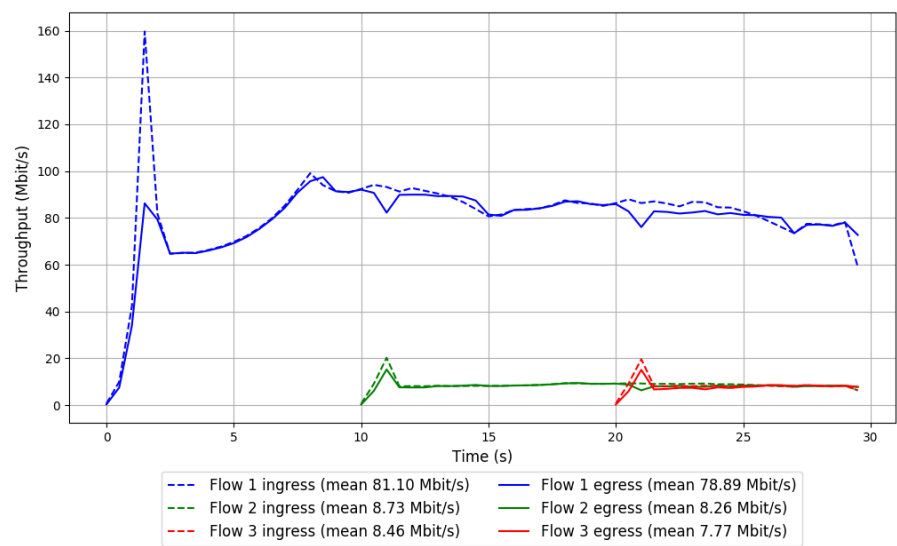


Run 3: Statistics of PCC

Start at: 2018-02-28 04:57:37
End at: 2018-02-28 04:58:07
Local clock offset: -3.937 ms
Remote clock offset: -1.182 ms

Below is generated by plot.py at 2018-02-28 08:24:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 117.397 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 78.89 Mbit/s
95th percentile per-packet one-way delay: 117.362 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 119.134 ms
Loss rate: 5.41%
-- Flow 3:
Average throughput: 7.77 Mbit/s
95th percentile per-packet one-way delay: 117.255 ms
Loss rate: 8.08%

Run 3: Report of PCC — Data Link

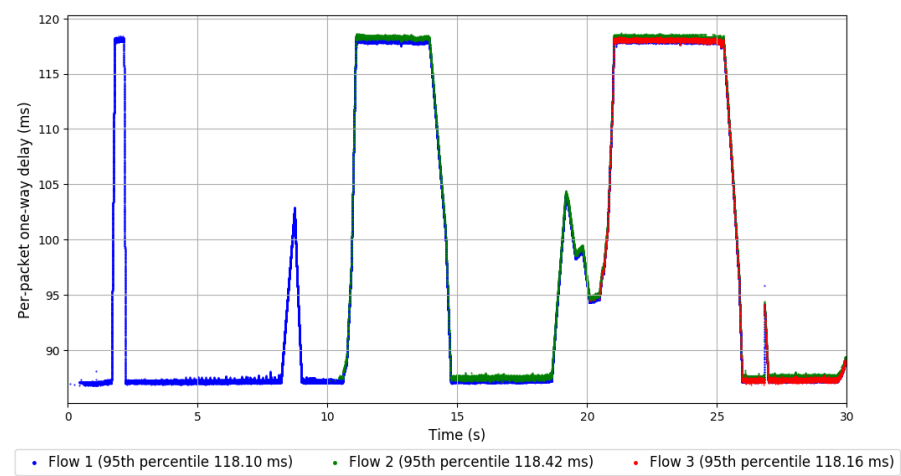
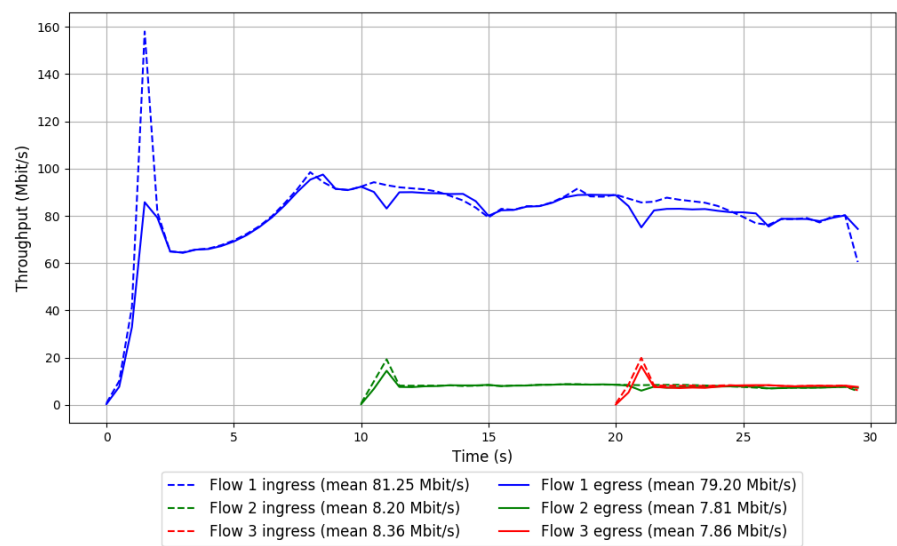


Run 4: Statistics of PCC

Start at: 2018-02-28 05:21:27
End at: 2018-02-28 05:21:57
Local clock offset: -1.738 ms
Remote clock offset: -0.412 ms

Below is generated by plot.py at 2018-02-28 08:24:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 118.128 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 79.20 Mbit/s
95th percentile per-packet one-way delay: 118.097 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 118.425 ms
Loss rate: 4.71%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 118.160 ms
Loss rate: 6.03%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-28 05:45:08

End at: 2018-02-28 05:45:38

Local clock offset: 1.023 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-02-28 08:25:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.79 Mbit/s

95th percentile per-packet one-way delay: 120.810 ms

Loss rate: 1.87%

-- Flow 1:

Average throughput: 78.35 Mbit/s

95th percentile per-packet one-way delay: 120.799 ms

Loss rate: 1.89%

-- Flow 2:

Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: 120.843 ms

Loss rate: 1.33%

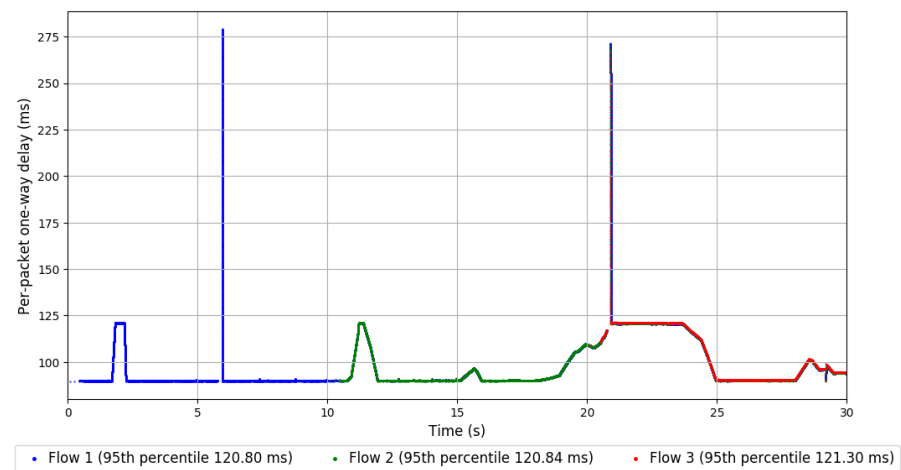
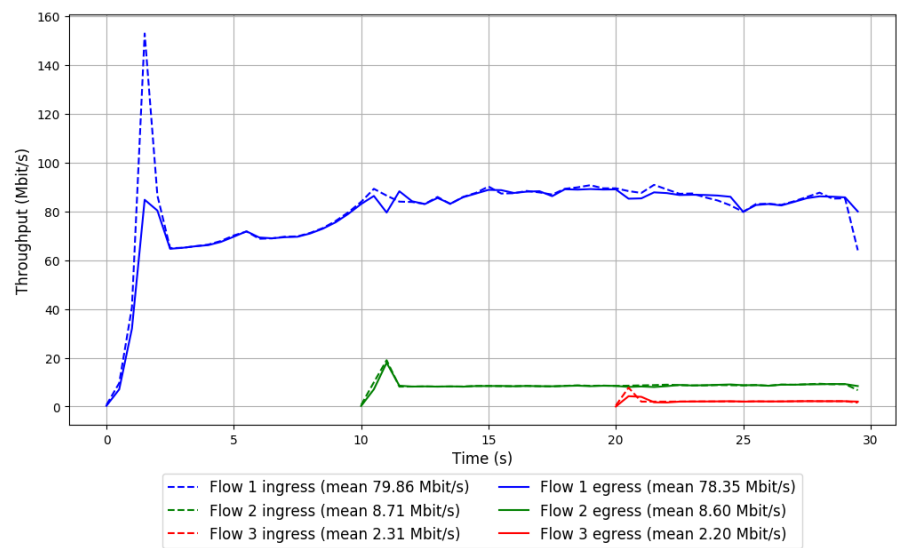
-- Flow 3:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 121.300 ms

Loss rate: 4.78%

Run 5: Report of PCC — Data Link

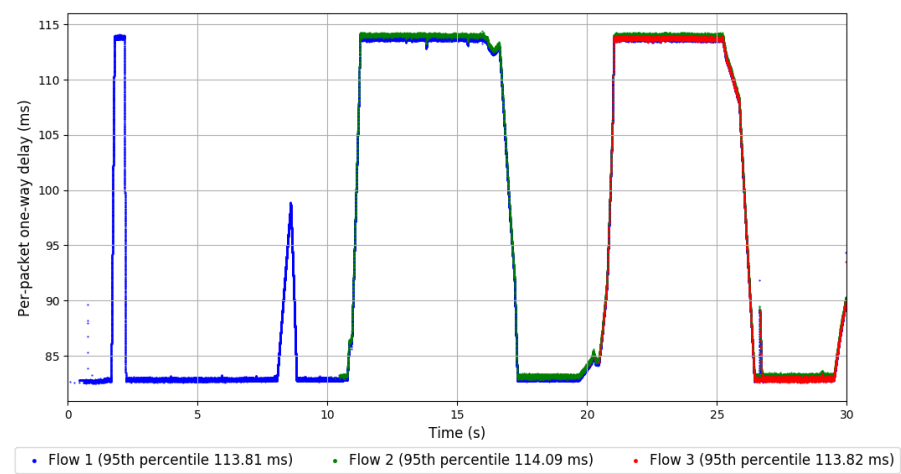
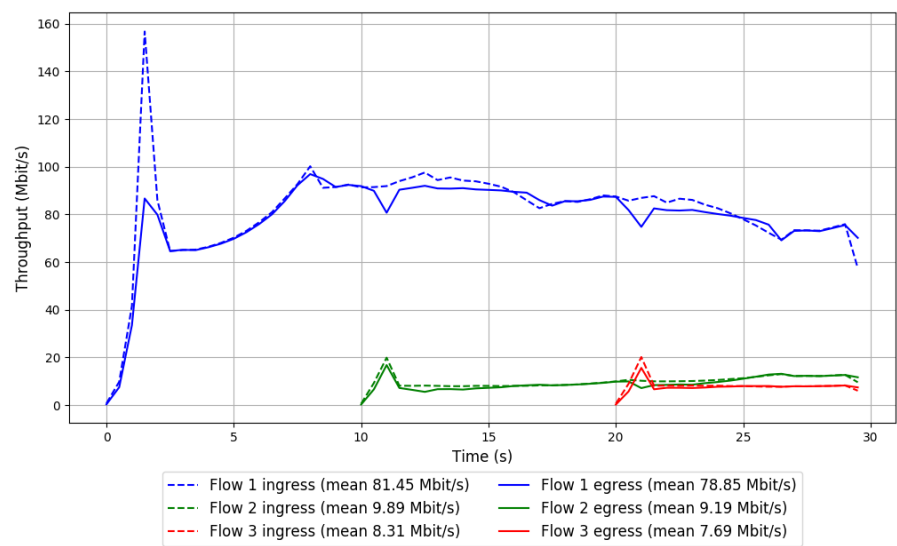


Run 6: Statistics of PCC

Start at: 2018-02-28 06:09:01
End at: 2018-02-28 06:09:31
Local clock offset: -1.876 ms
Remote clock offset: -6.231 ms

Below is generated by plot.py at 2018-02-28 08:25:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 113.838 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 78.85 Mbit/s
95th percentile per-packet one-way delay: 113.805 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 114.093 ms
Loss rate: 7.04%
-- Flow 3:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 113.822 ms
Loss rate: 7.33%

Run 6: Report of PCC — Data Link

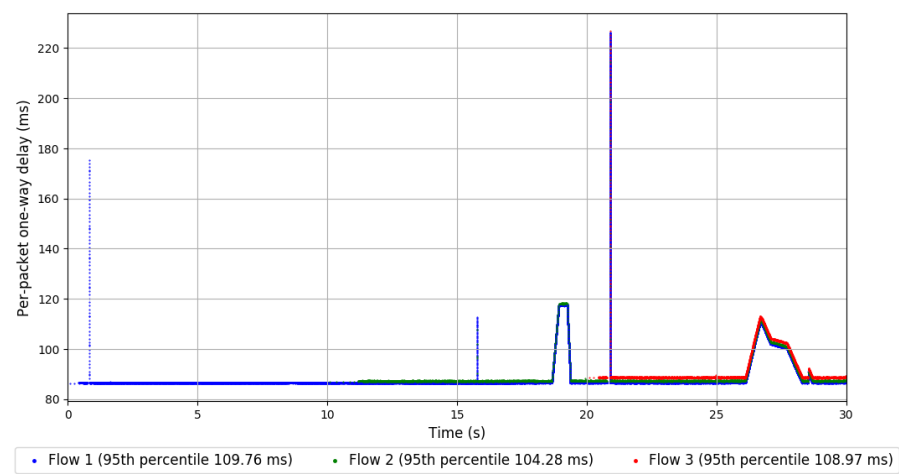
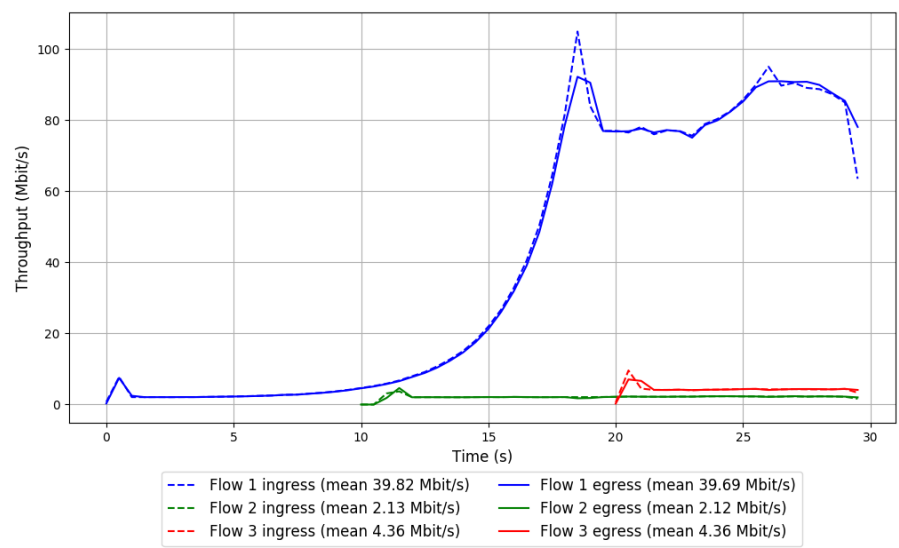


Run 7: Statistics of PCC

Start at: 2018-02-28 06:32:32
End at: 2018-02-28 06:33:02
Local clock offset: -5.618 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-02-28 08:25:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 109.611 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 109.763 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 104.280 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 108.972 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

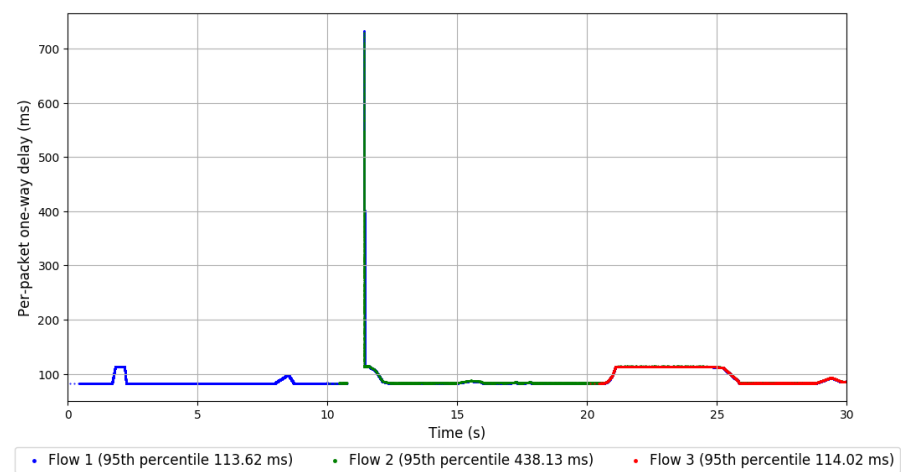
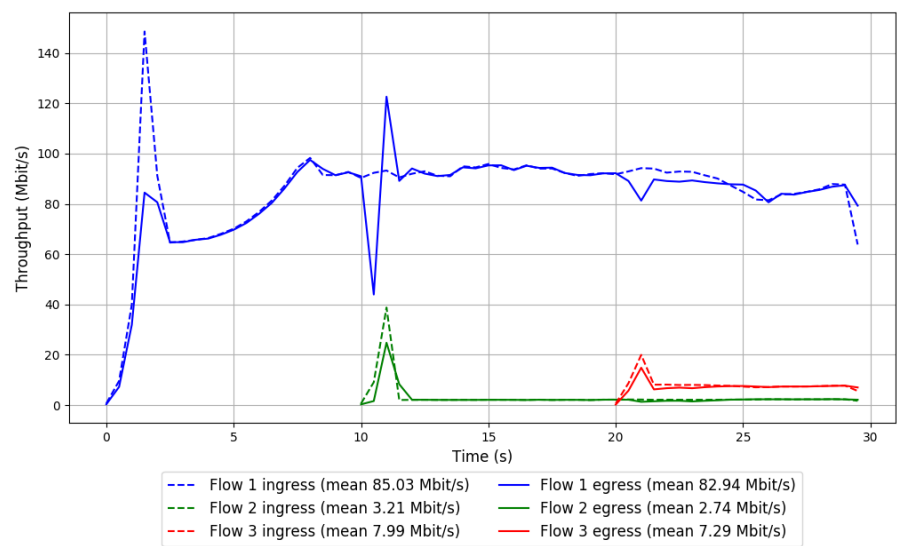


Run 8: Statistics of PCC

Start at: 2018-02-28 06:56:35
End at: 2018-02-28 06:57:05
Local clock offset: -7.211 ms
Remote clock offset: -6.345 ms

Below is generated by plot.py at 2018-02-28 08:25:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.16 Mbit/s
95th percentile per-packet one-way delay: 113.668 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 113.616 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 438.129 ms
Loss rate: 14.67%
-- Flow 3:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 114.016 ms
Loss rate: 8.70%

Run 8: Report of PCC — Data Link

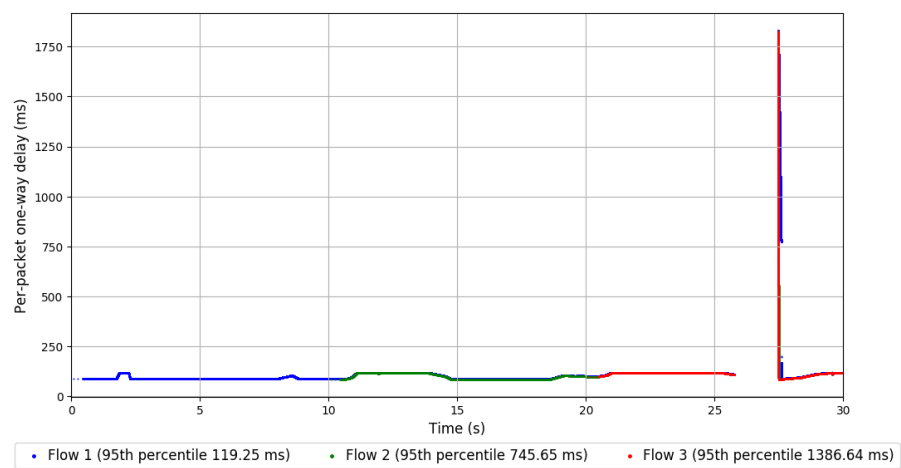
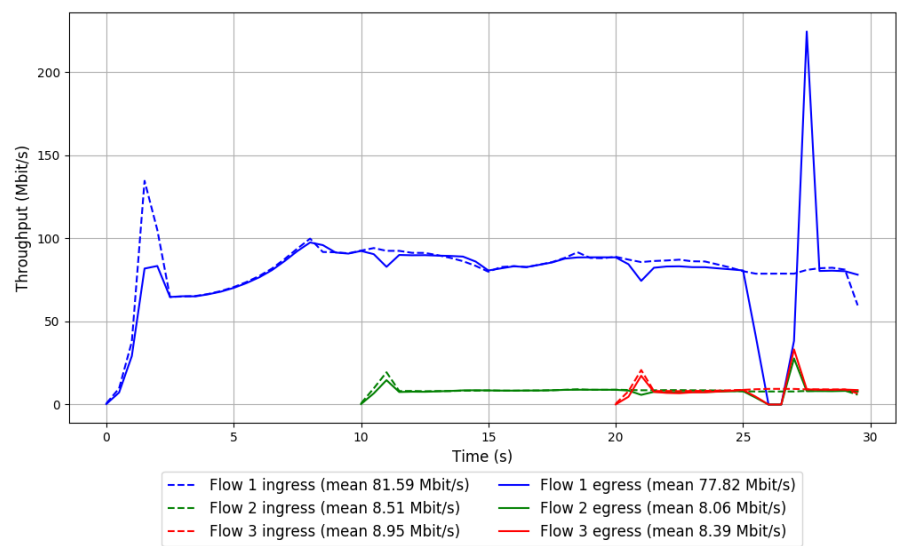


Run 9: Statistics of PCC

Start at: 2018-02-28 07:20:09
End at: 2018-02-28 07:20:39
Local clock offset: -6.752 ms
Remote clock offset: -1.542 ms

Below is generated by plot.py at 2018-02-28 08:25:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 119.302 ms
Loss rate: 4.62%
-- Flow 1:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 119.253 ms
Loss rate: 4.53%
-- Flow 2:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 745.655 ms
Loss rate: 5.15%
-- Flow 3:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 1386.645 ms
Loss rate: 6.13%

Run 9: Report of PCC — Data Link

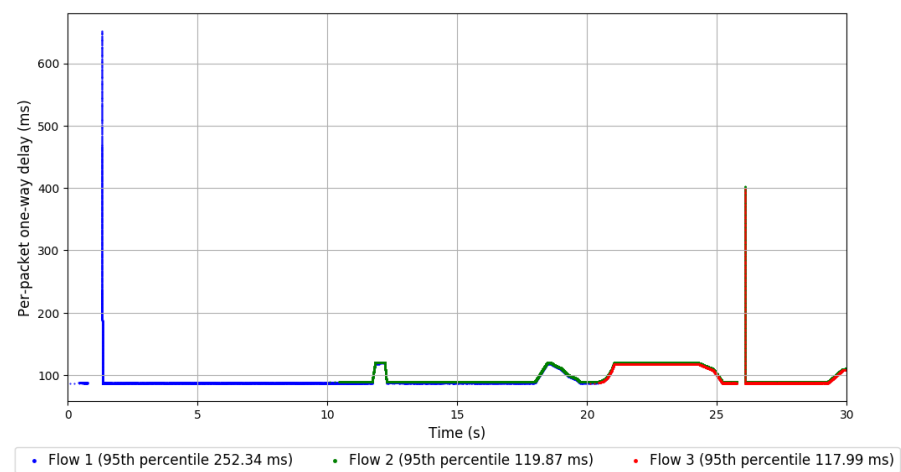
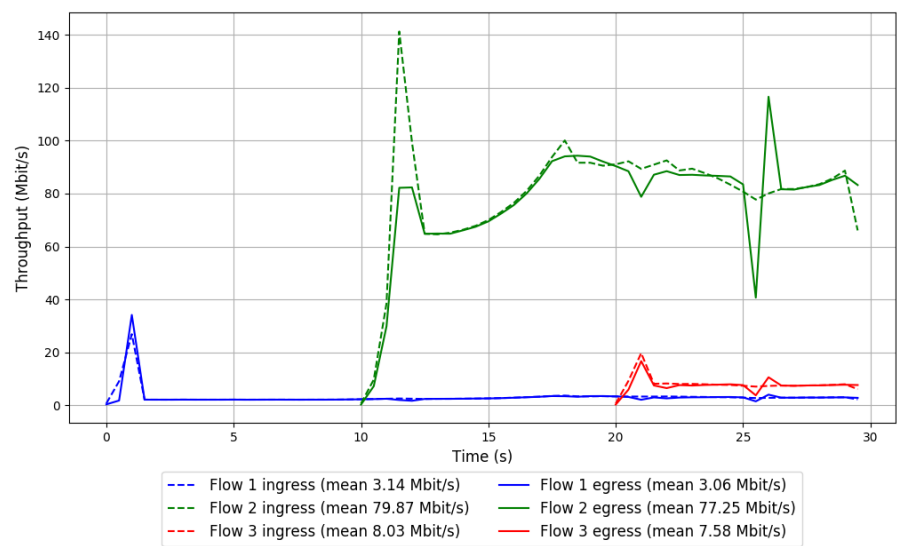


Run 10: Statistics of PCC

Start at: 2018-02-28 07:44:08
End at: 2018-02-28 07:44:38
Local clock offset: -5.559 ms
Remote clock offset: -0.715 ms

Below is generated by plot.py at 2018-02-28 08:25:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 119.875 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 252.337 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 119.871 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 117.993 ms
Loss rate: 5.44%

Run 10: Report of PCC — Data Link

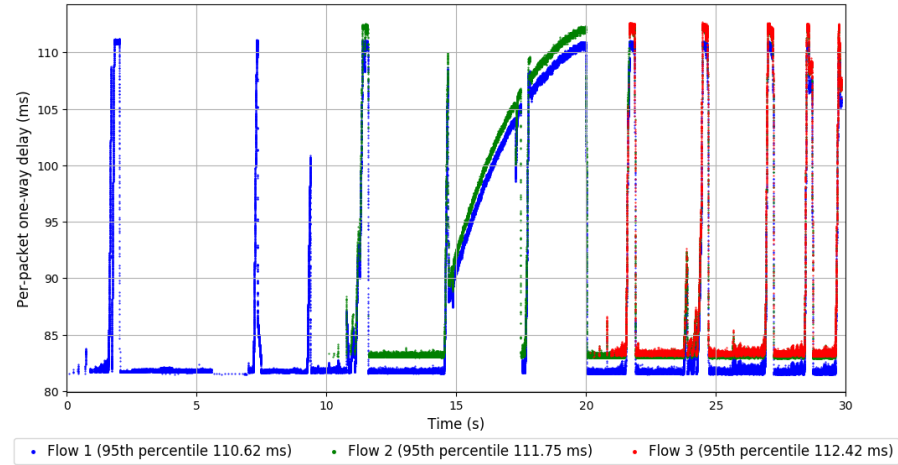
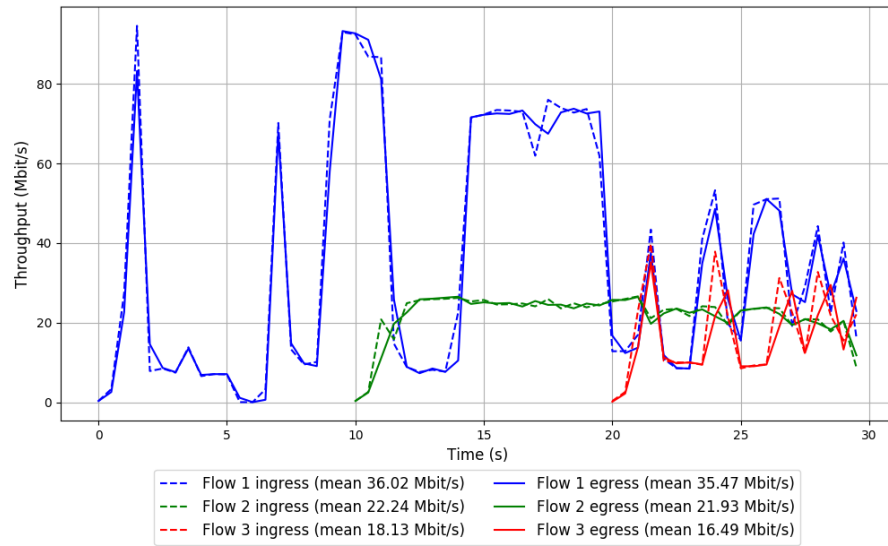


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-28 04:07:57
End at: 2018-02-28 04:08:27
Local clock offset: 1.848 ms
Remote clock offset: -5.342 ms

Below is generated by plot.py at 2018-02-28 08:25:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 110.959 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 110.623 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 111.748 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 112.420 ms
Loss rate: 8.80%

Run 1: Report of QUIC Cubic — Data Link

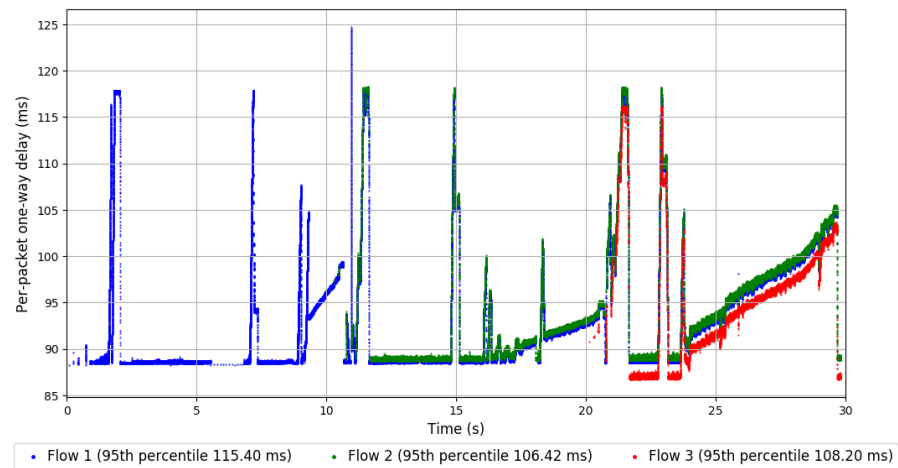
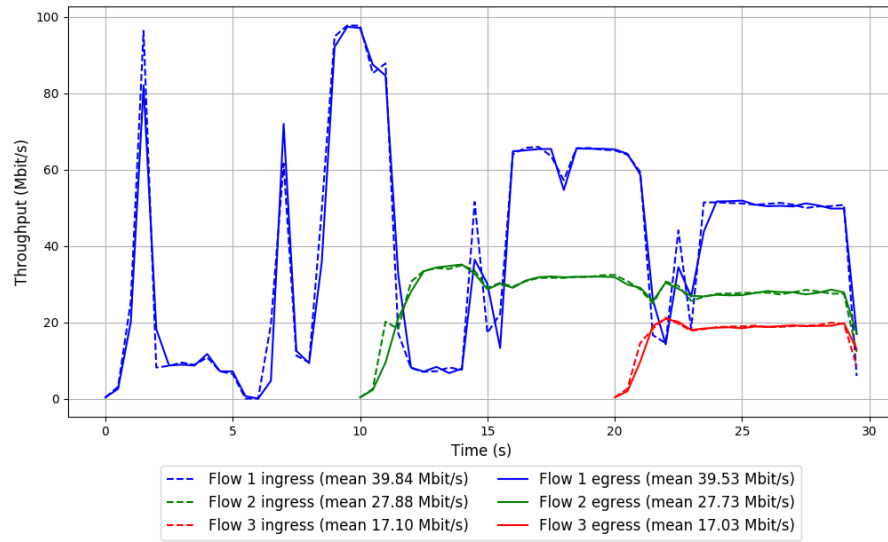


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-28 04:31:32
End at: 2018-02-28 04:32:03
Local clock offset: 0.961 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2018-02-28 08:25:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.27 Mbit/s
95th percentile per-packet one-way delay: 111.150 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 115.401 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 106.417 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 108.204 ms
Loss rate: 0.46%

Run 2: Report of QUIC Cubic — Data Link

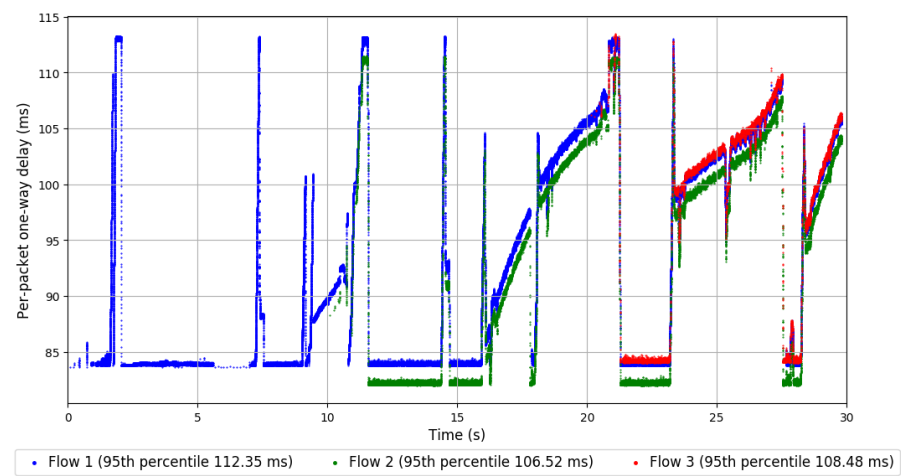
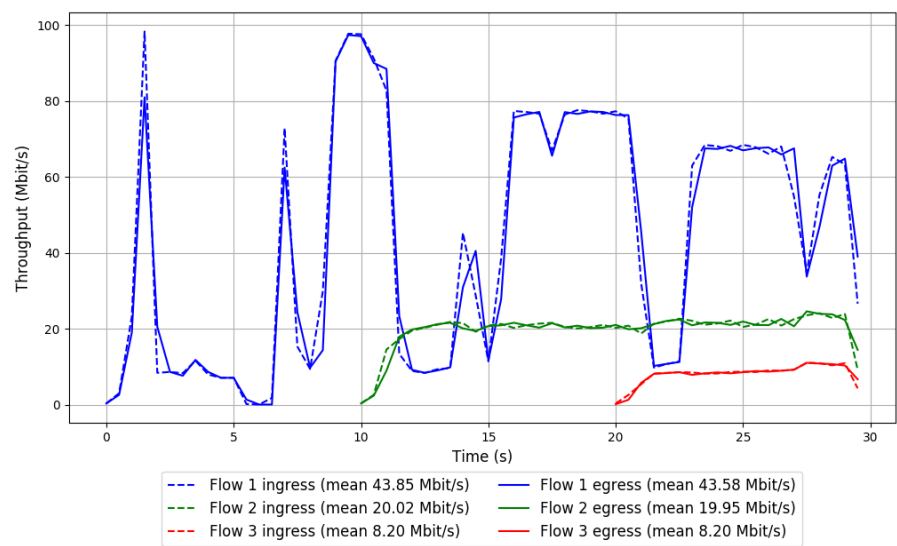


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-28 04:55:06
End at: 2018-02-28 04:55:36
Local clock offset: -3.872 ms
Remote clock offset: -5.242 ms

Below is generated by plot.py at 2018-02-28 08:25:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 110.180 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 43.58 Mbit/s
95th percentile per-packet one-way delay: 112.346 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 106.516 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 108.477 ms
Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link

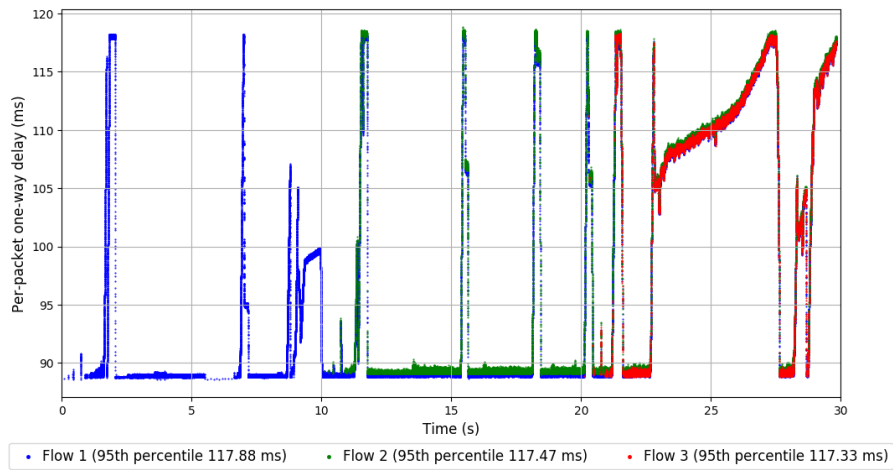
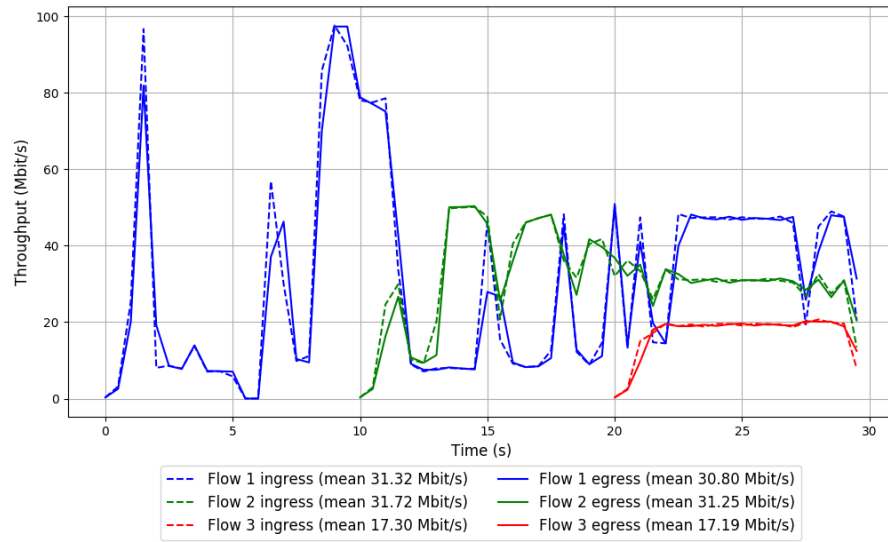


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-28 05:18:57
End at: 2018-02-28 05:19:27
Local clock offset: -2.1 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-02-28 08:26:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 117.743 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 117.880 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 117.468 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 17.19 Mbit/s
95th percentile per-packet one-way delay: 117.325 ms
Loss rate: 0.34%

Run 4: Report of QUIC Cubic — Data Link

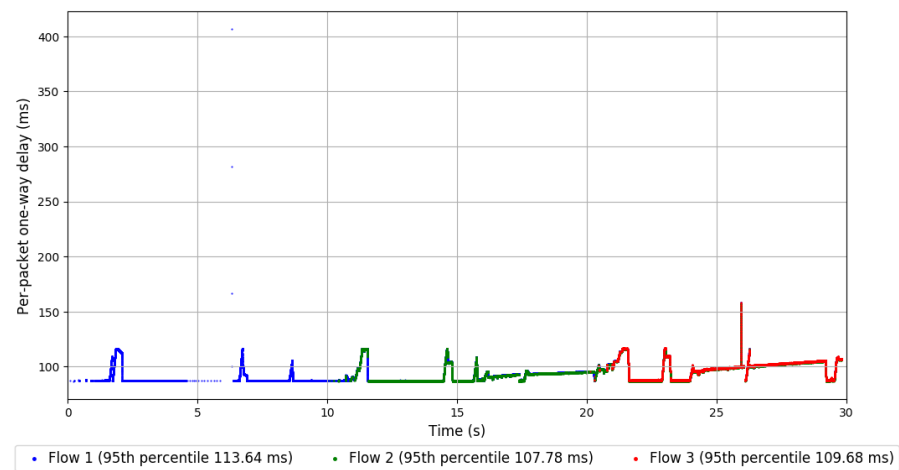
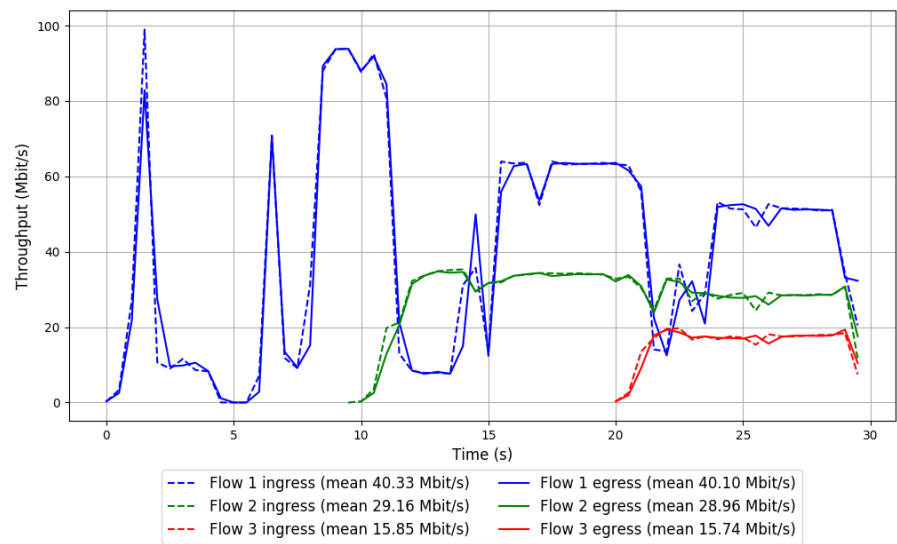


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-28 05:42:38
End at: 2018-02-28 05:43:08
Local clock offset: 0.813 ms
Remote clock offset: -0.699 ms

Below is generated by plot.py at 2018-02-28 08:26:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 112.712 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 113.639 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 107.781 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 109.678 ms
Loss rate: 0.58%

Run 5: Report of QUIC Cubic — Data Link

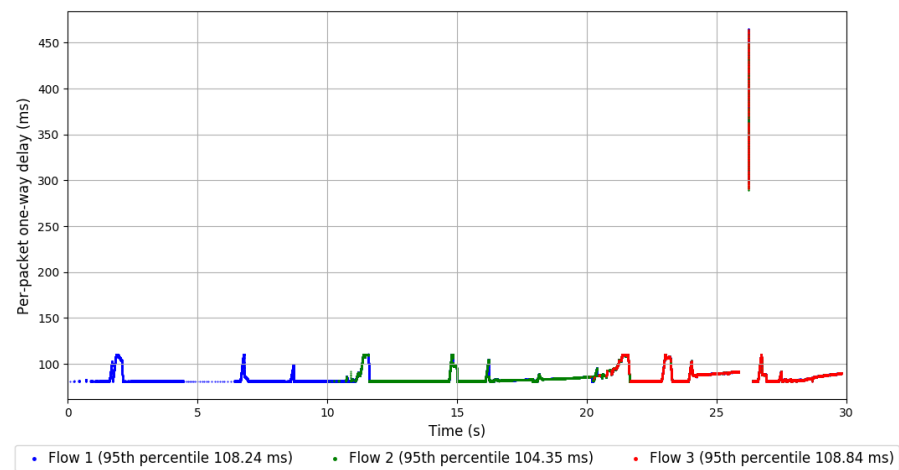
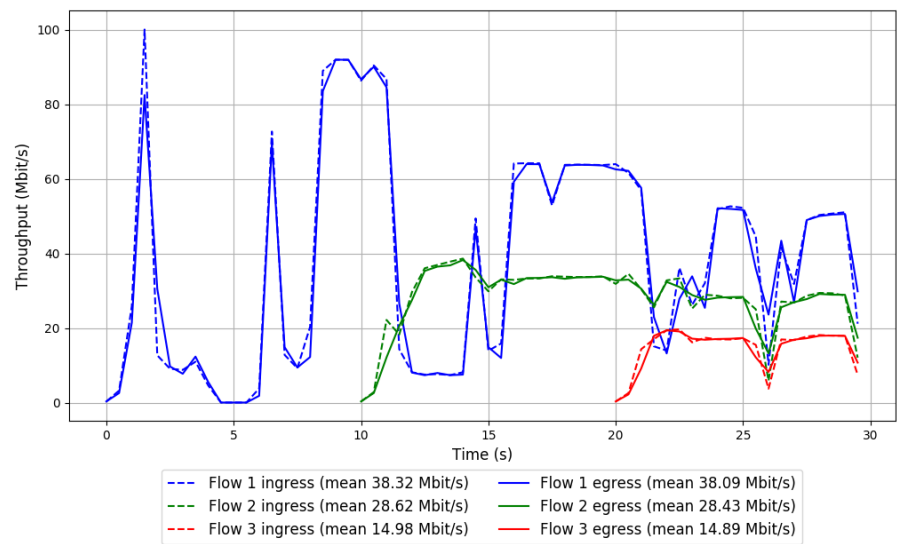


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-28 06:06:30
End at: 2018-02-28 06:07:00
Local clock offset: -1.838 ms
Remote clock offset: -6.296 ms

Below is generated by plot.py at 2018-02-28 08:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 107.513 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 108.238 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 104.354 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 14.89 Mbit/s
95th percentile per-packet one-way delay: 108.839 ms
Loss rate: 0.57%

Run 6: Report of QUIC Cubic — Data Link

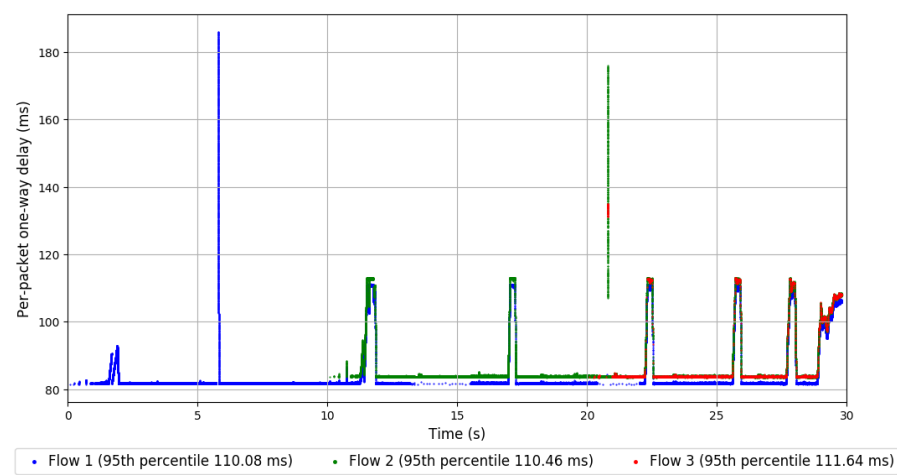
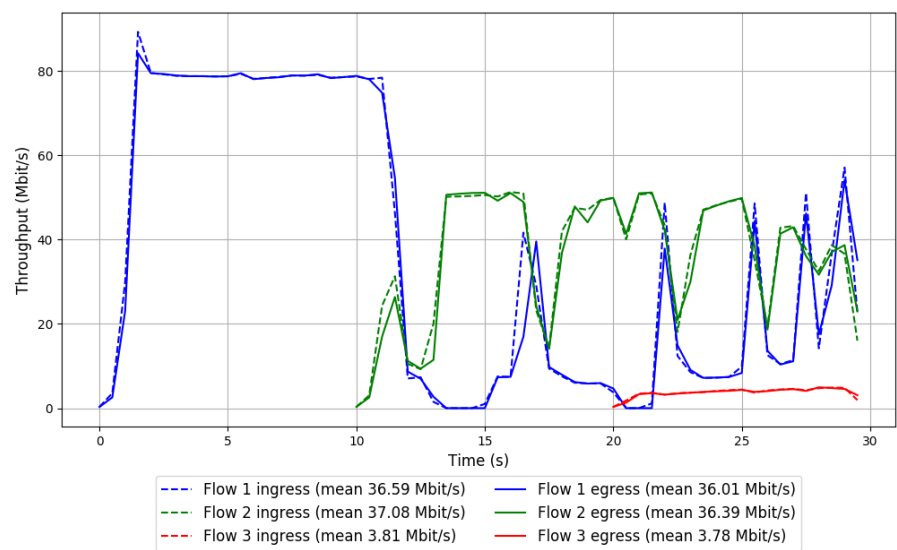


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-28 06:30:01
End at: 2018-02-28 06:30:31
Local clock offset: -5.151 ms
Remote clock offset: -5.482 ms

Below is generated by plot.py at 2018-02-28 08:26:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 110.149 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 110.079 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 110.457 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 111.636 ms
Loss rate: 0.58%

Run 7: Report of QUIC Cubic — Data Link

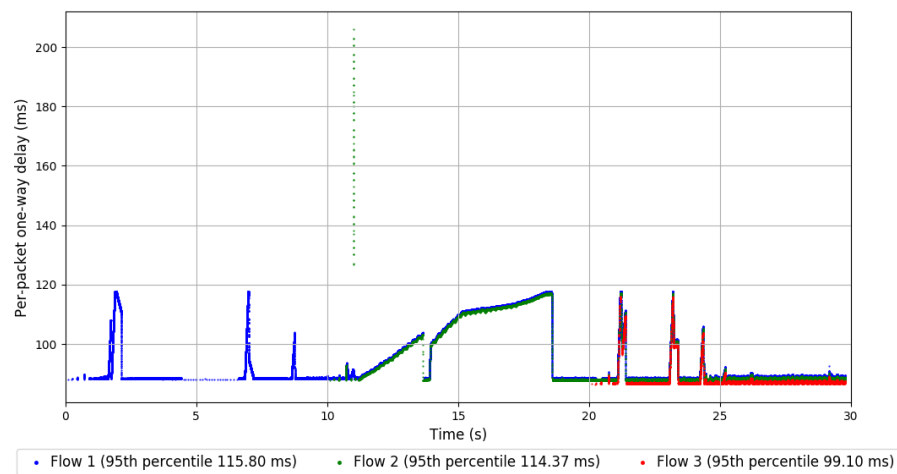
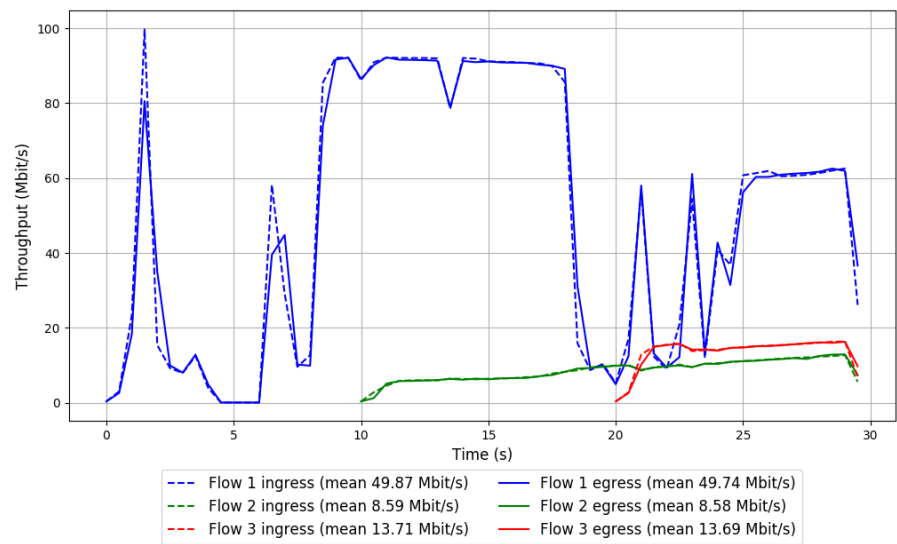


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-28 06:54:02
End at: 2018-02-28 06:54:32
Local clock offset: -7.469 ms
Remote clock offset: -1.526 ms

Below is generated by plot.py at 2018-02-28 08:26:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 115.424 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 115.795 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 114.371 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 99.100 ms
Loss rate: 0.15%

Run 8: Report of QUIC Cubic — Data Link

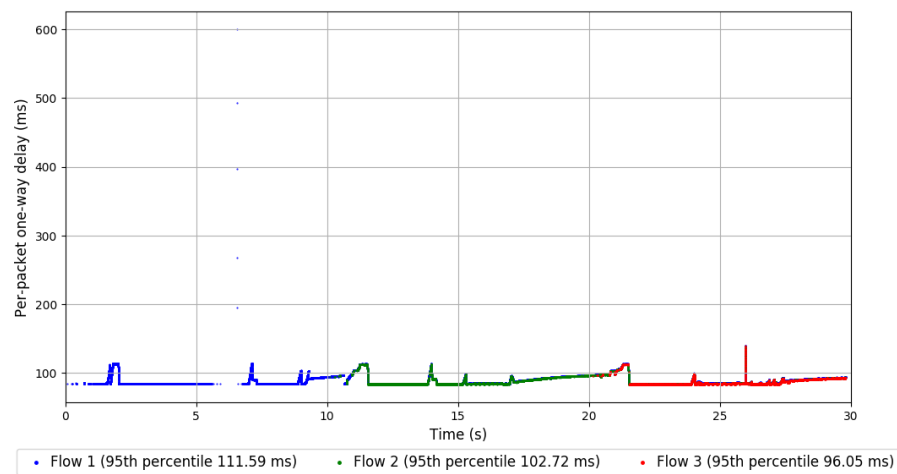
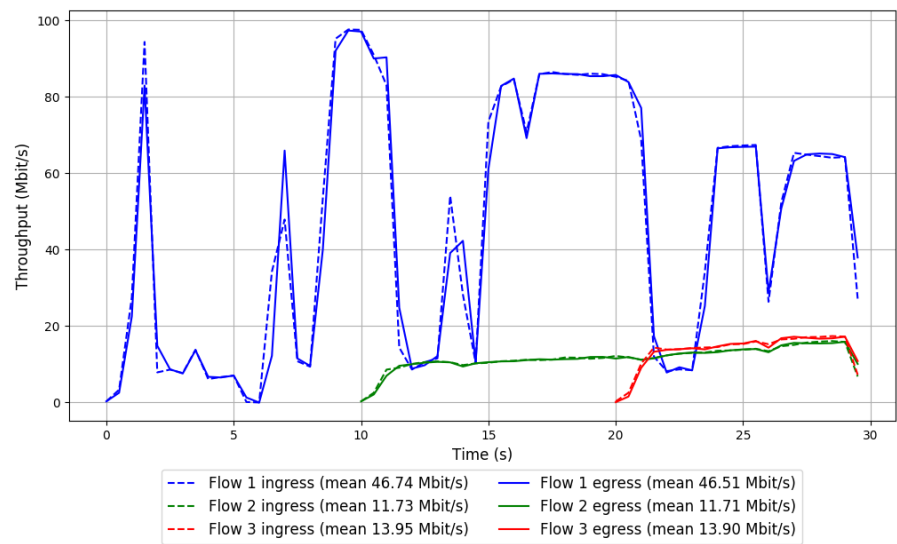


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-28 07:17:39
End at: 2018-02-28 07:18:09
Local clock offset: -6.729 ms
Remote clock offset: -5.569 ms

Below is generated by plot.py at 2018-02-28 08:27:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 108.853 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 111.594 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 102.721 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 13.90 Mbit/s
95th percentile per-packet one-way delay: 96.046 ms
Loss rate: 0.44%

Run 9: Report of QUIC Cubic — Data Link

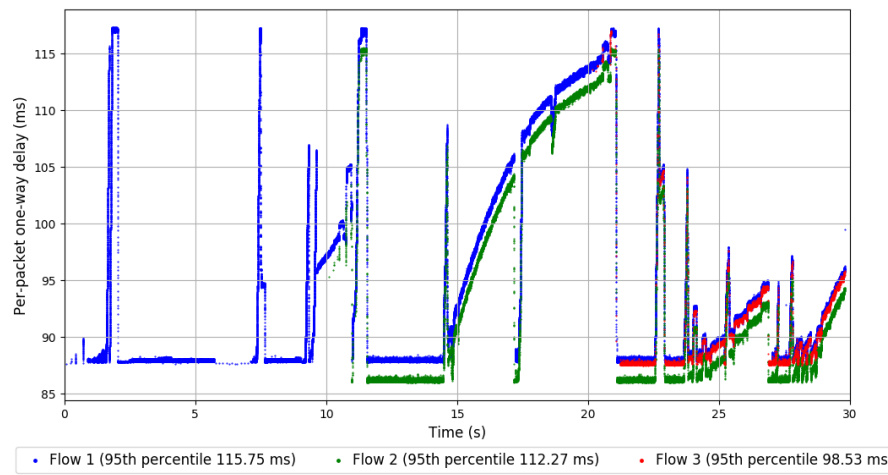
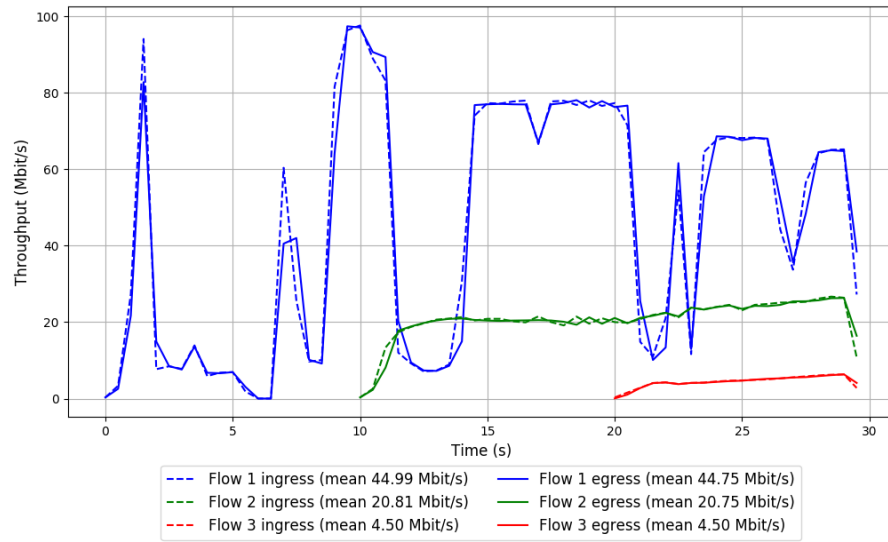


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-28 07:41:37
End at: 2018-02-28 07:42:07
Local clock offset: -5.559 ms
Remote clock offset: -1.617 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 114.836 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 115.750 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 112.267 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 98.530 ms
Loss rate: 0.34%

Run 10: Report of QUIC Cubic — Data Link

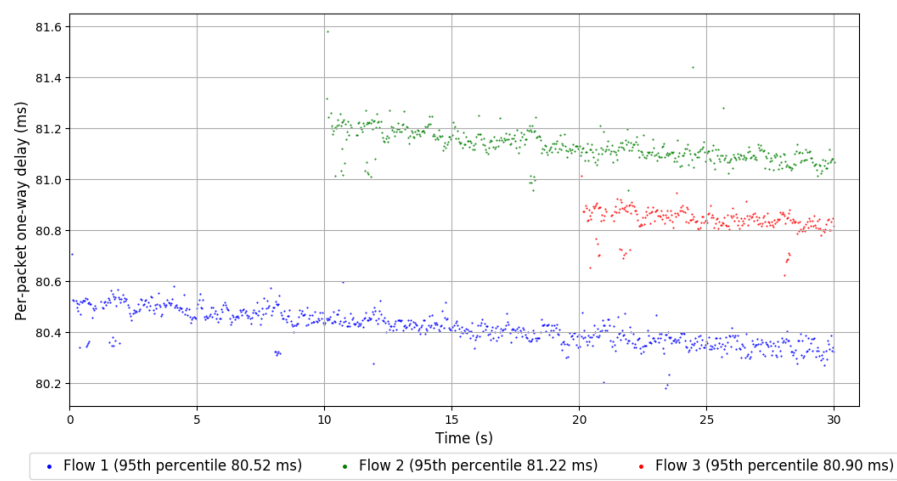
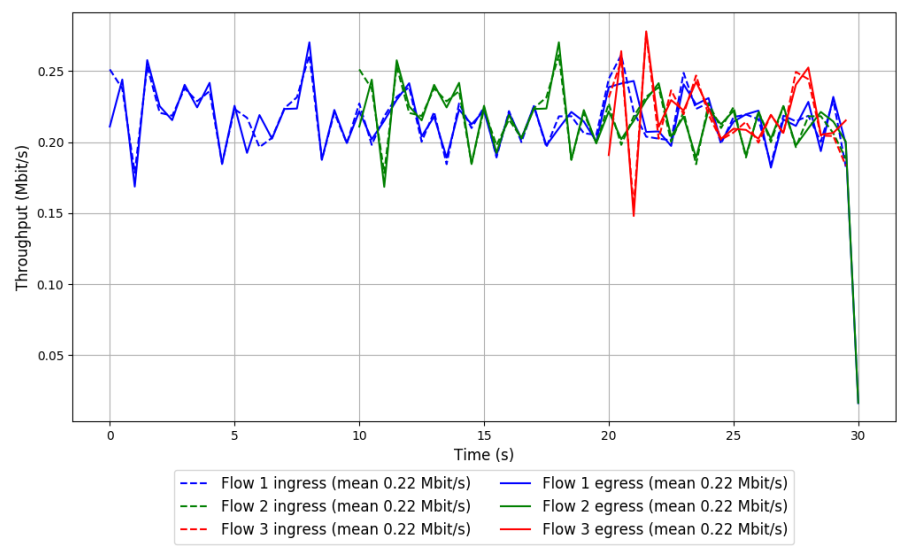


```
Run 1: Statistics of SReAM

Start at: 2018-02-28 04:09:15
End at: 2018-02-28 04:09:45
Local clock offset: 1.181 ms
Remote clock offset: -6.149 ms

# Below is generated by plot.py at 2018-02-28 08:27:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 81.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.523 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.897 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-02-28 04:32:50

End at: 2018-02-28 04:33:20

Local clock offset: 1.197 ms

Remote clock offset: -5.25 ms

Below is generated by plot.py at 2018-02-28 08:27:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 84.258 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.273 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.276 ms

Loss rate: 0.00%

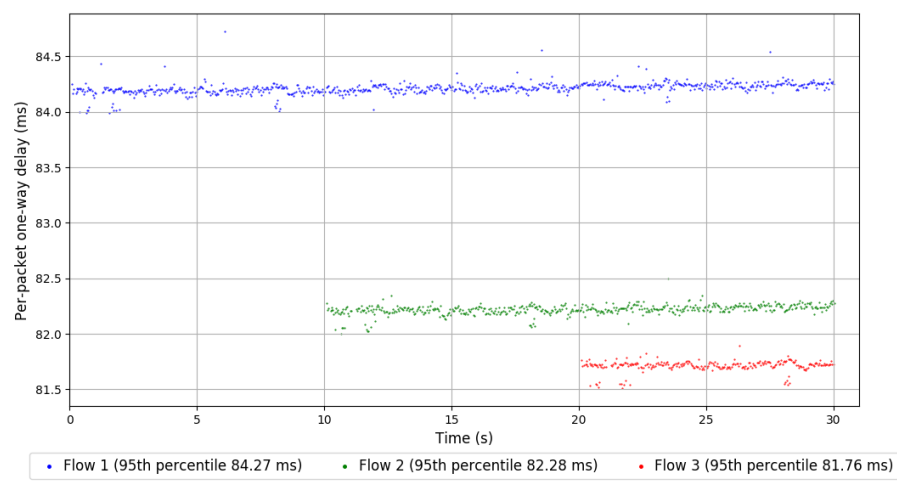
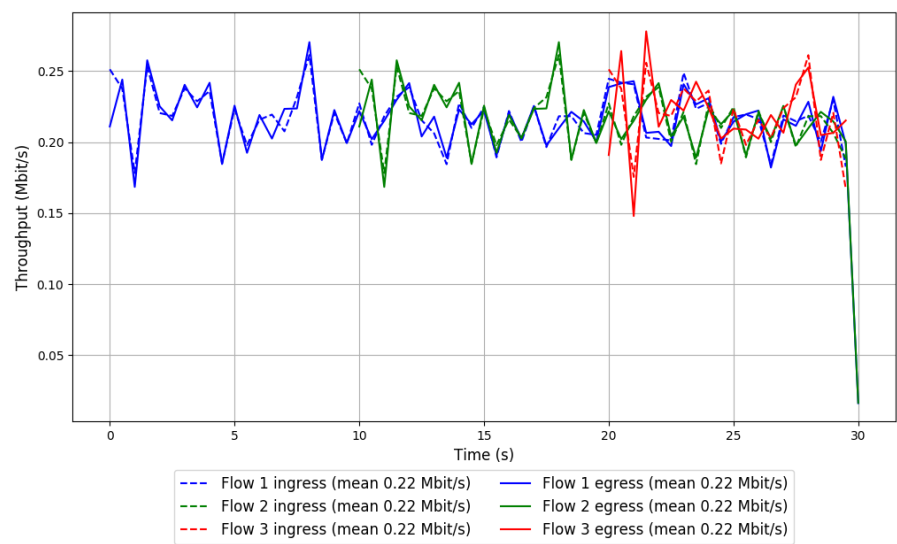
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.763 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

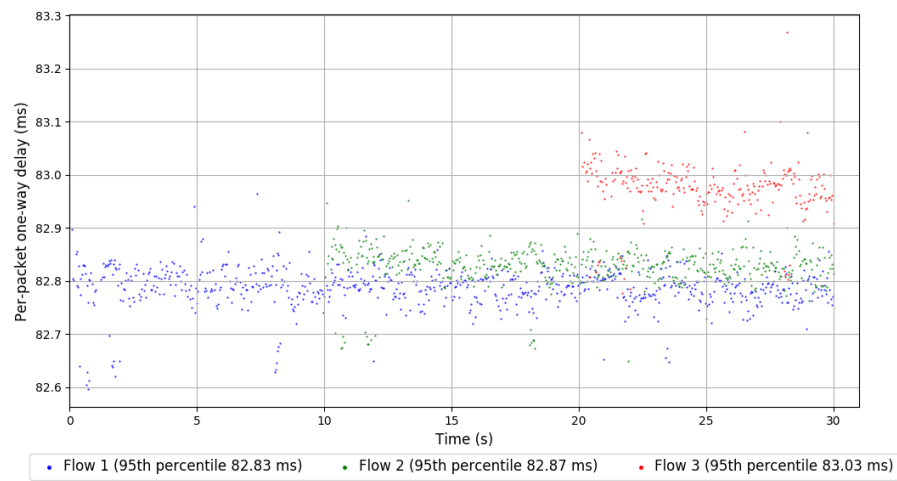
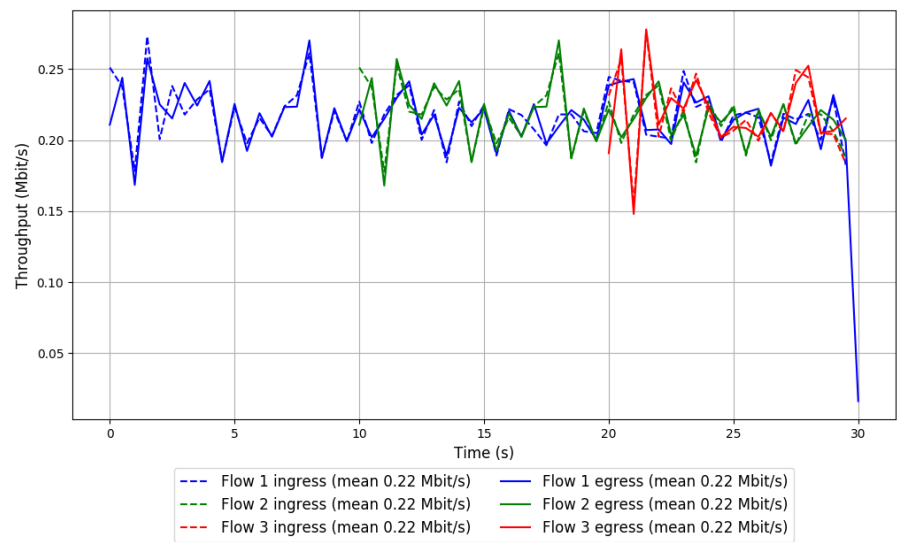


Run 3: Statistics of SReAM

Start at: 2018-02-28 04:56:24
End at: 2018-02-28 04:56:54
Local clock offset: -3.987 ms
Remote clock offset: -6.025 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 82.996 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.835 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.873 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.031 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

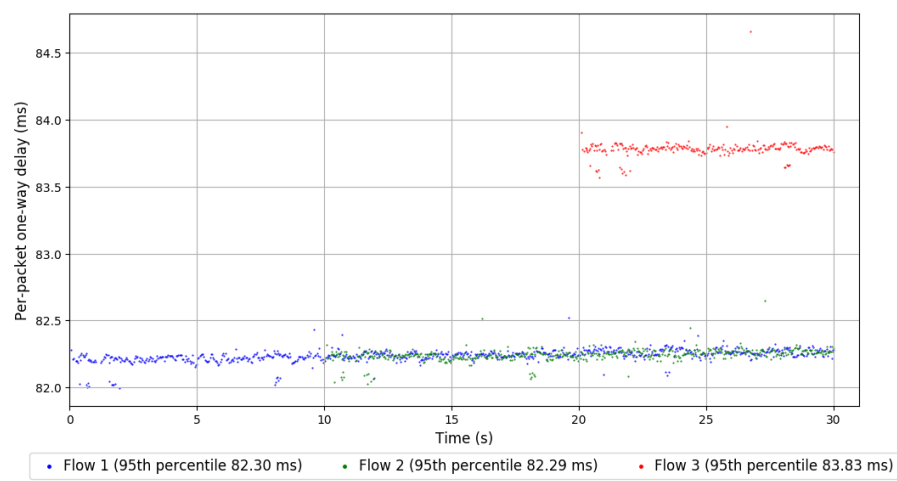
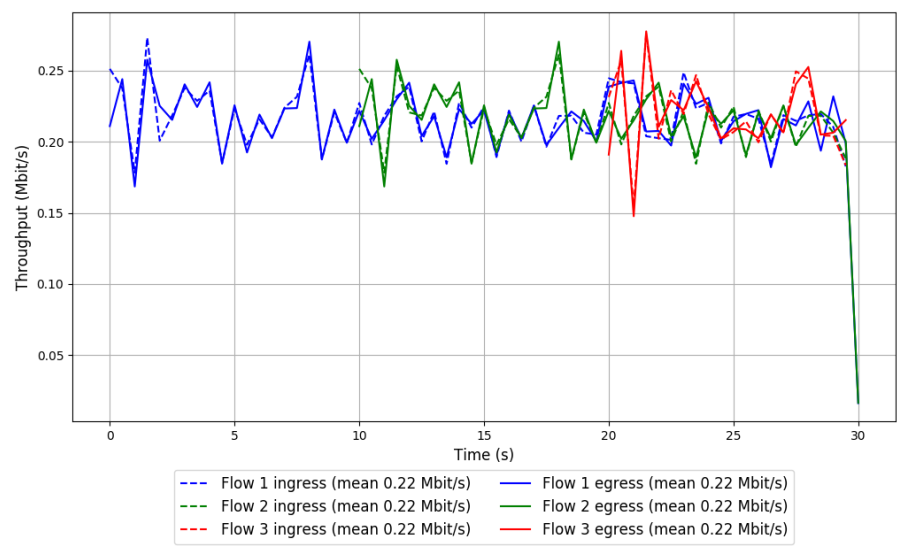


Run 4: Statistics of SReAM

Start at: 2018-02-28 05:20:14
End at: 2018-02-28 05:20:44
Local clock offset: -1.916 ms
Remote clock offset: -5.248 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.798 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.298 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.294 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.825 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

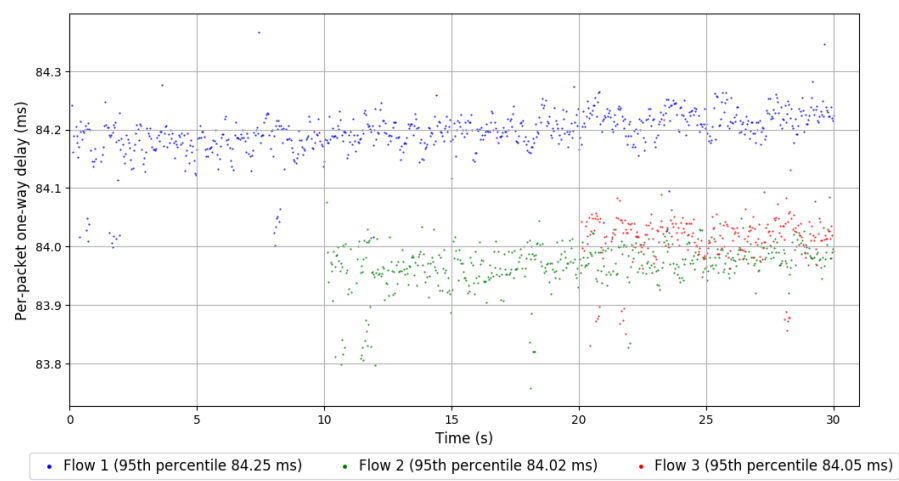
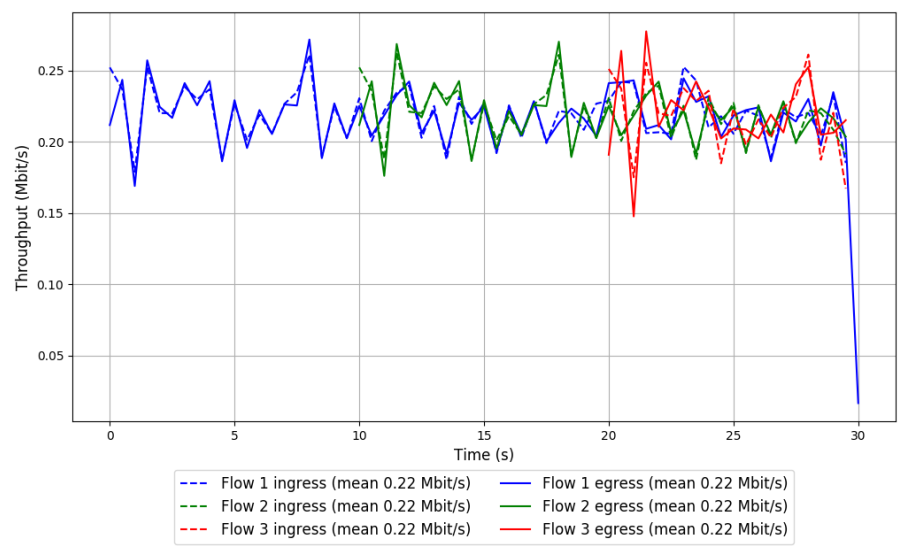


Run 5: Statistics of SReAM

Start at: 2018-02-28 05:43:55
End at: 2018-02-28 05:44:25
Local clock offset: 0.934 ms
Remote clock offset: -5.523 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 84.235 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.245 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.021 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.054 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

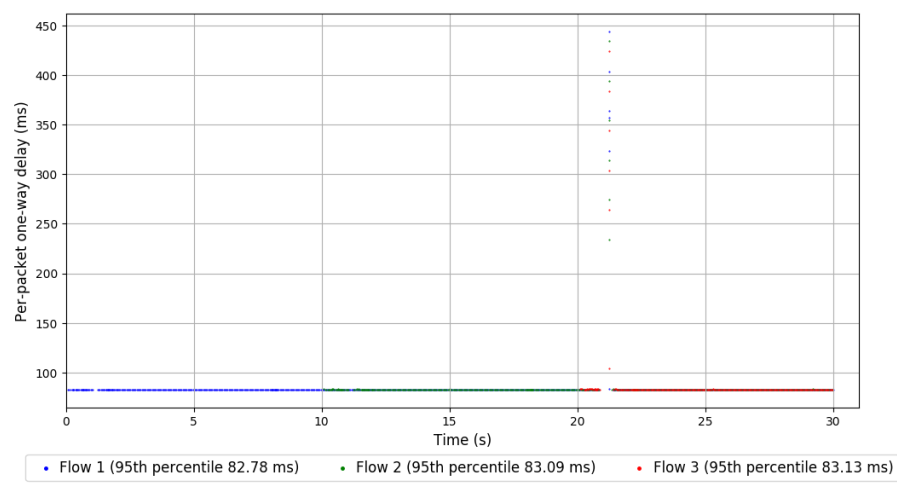
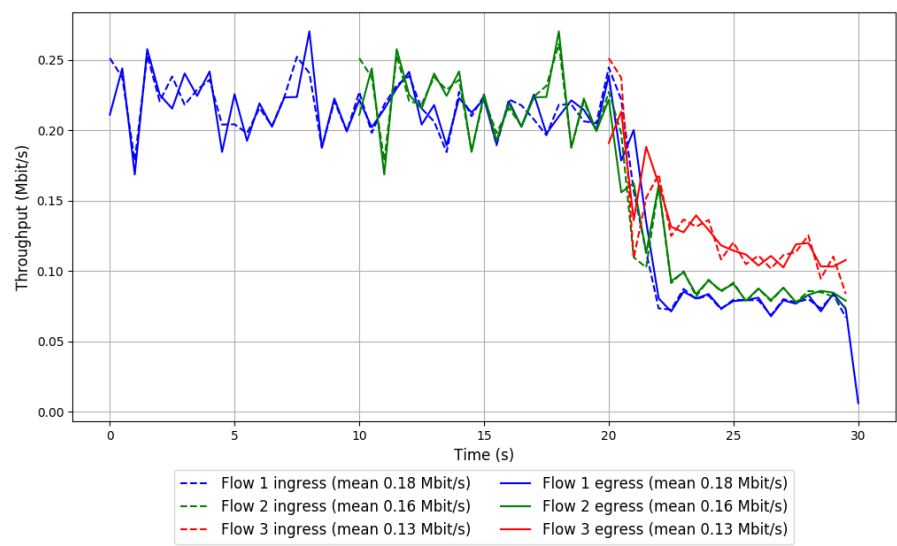


Run 6: Statistics of SCReAM

Start at: 2018-02-28 06:07:47
End at: 2018-02-28 06:08:17
Local clock offset: -1.859 ms
Remote clock offset: -6.228 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 83.083 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 82.781 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 83.091 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 83.128 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

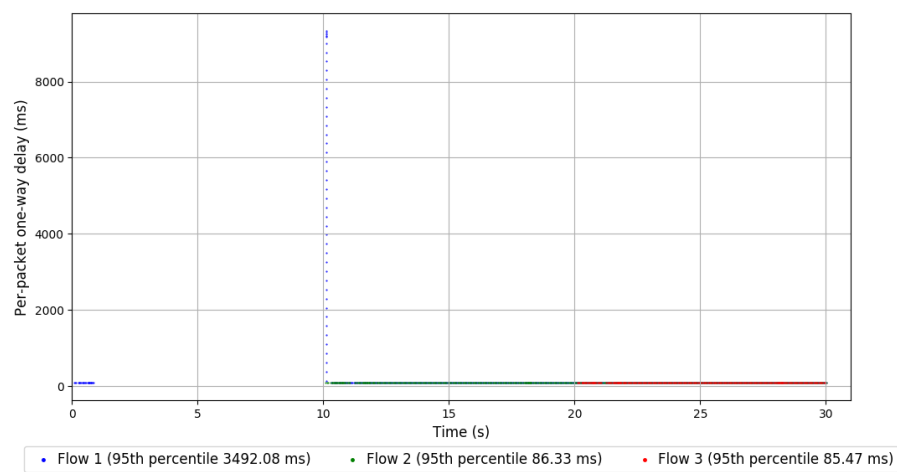
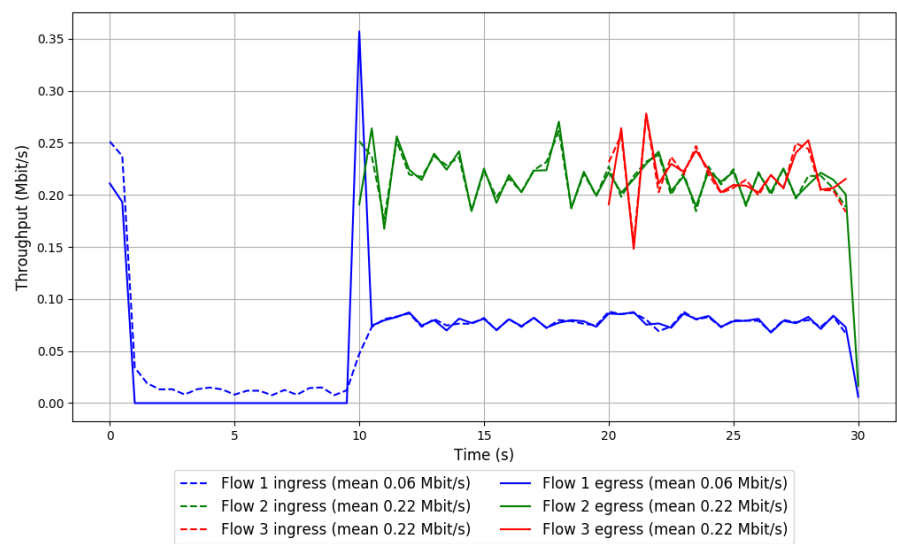


Run 7: Statistics of SReAM

Start at: 2018-02-28 06:31:19
End at: 2018-02-28 06:31:49
Local clock offset: -5.395 ms
Remote clock offset: -1.412 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 87.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3492.077 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.328 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.469 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

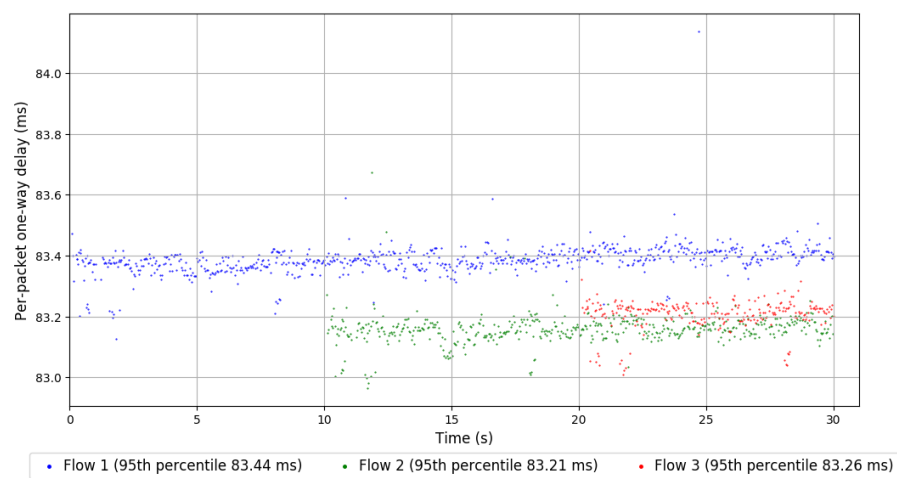
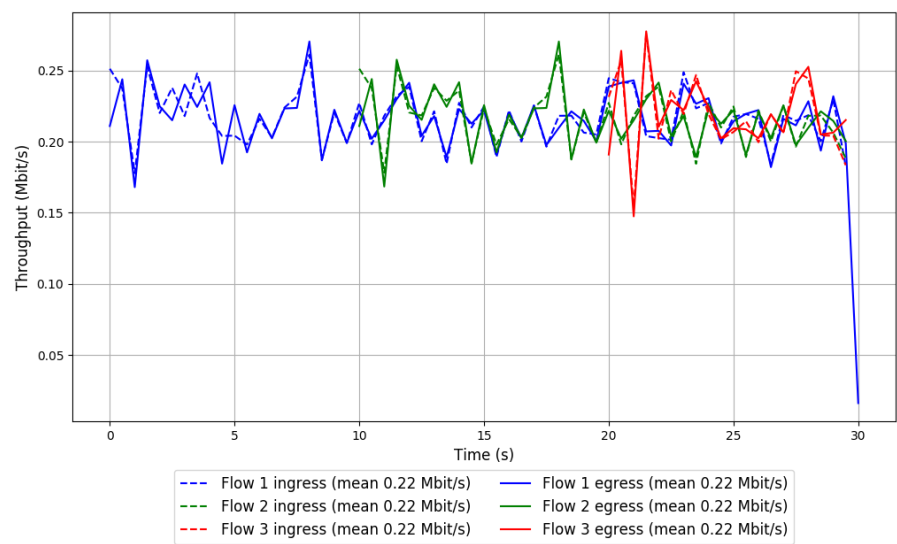


Run 8: Statistics of SReAM

Start at: 2018-02-28 06:55:20
End at: 2018-02-28 06:55:50
Local clock offset: -7.326 ms
Remote clock offset: -6.296 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 83.425 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.440 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.211 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.257 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-28 07:18:56

End at: 2018-02-28 07:19:26

Local clock offset: -6.74 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-02-28 08:27:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 89.484 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 89.079 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 89.319 ms

Loss rate: 0.10%

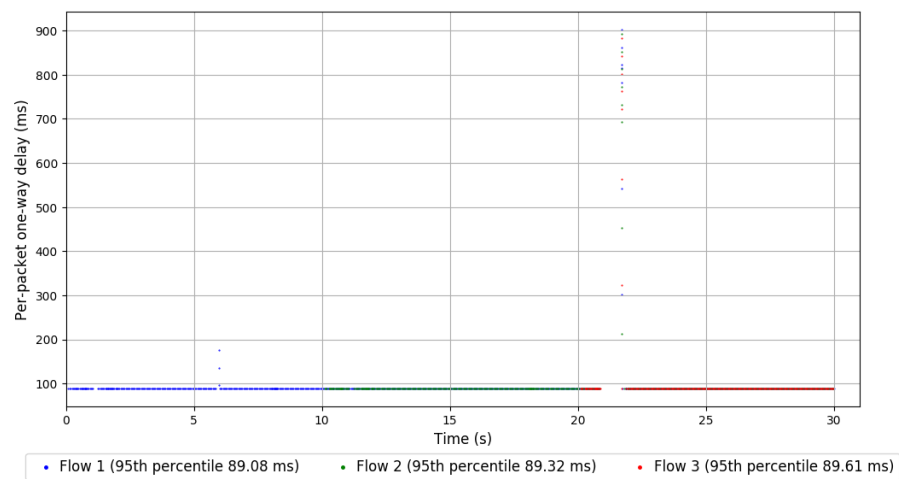
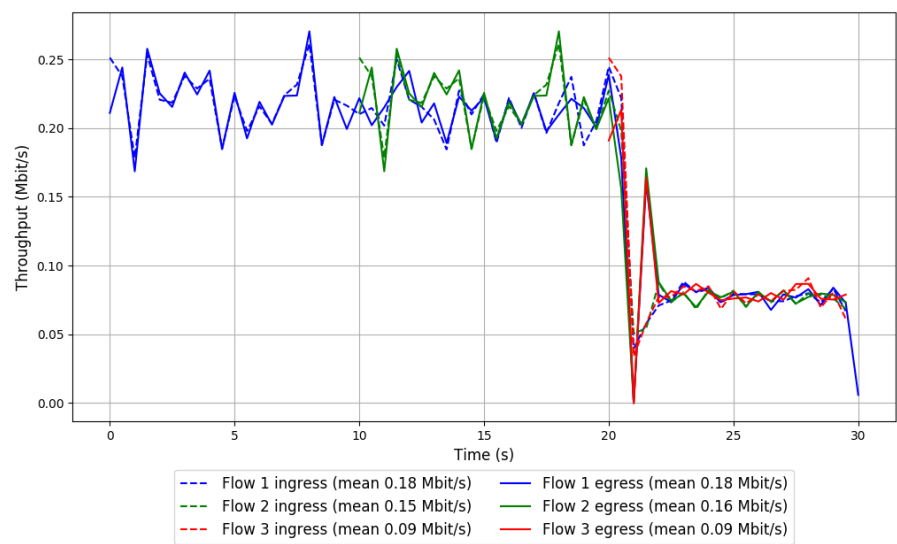
-- Flow 3:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 89.608 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

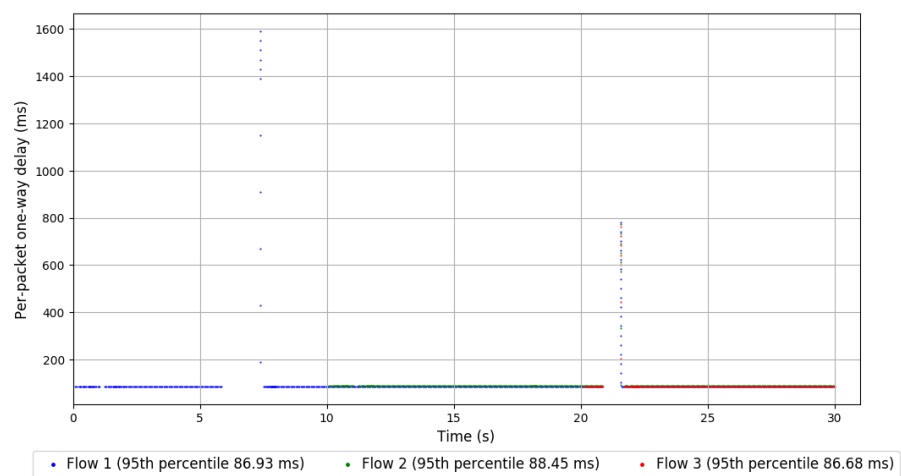
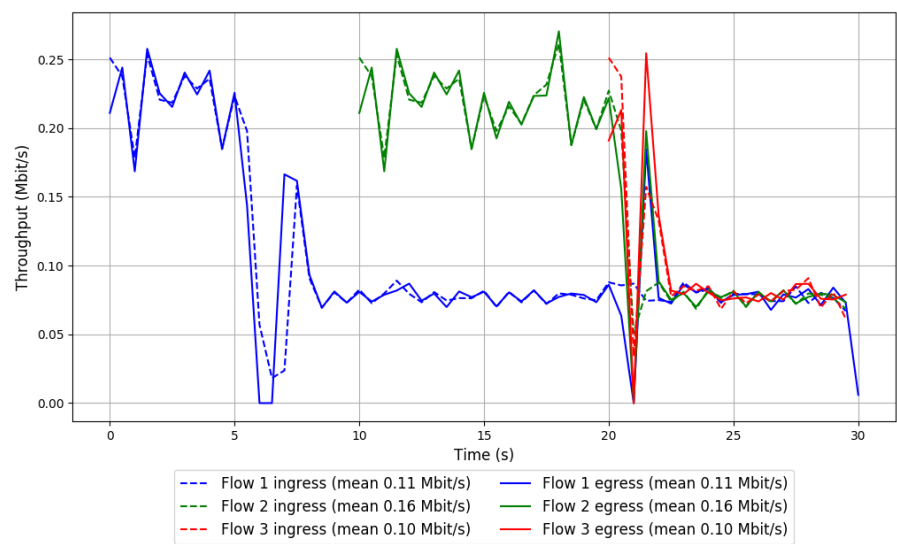


Run 10: Statistics of SReAM

Start at: 2018-02-28 07:42:54
End at: 2018-02-28 07:43:24
Local clock offset: -5.486 ms
Remote clock offset: -0.777 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 88.449 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 86.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 88.454 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 86.683 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

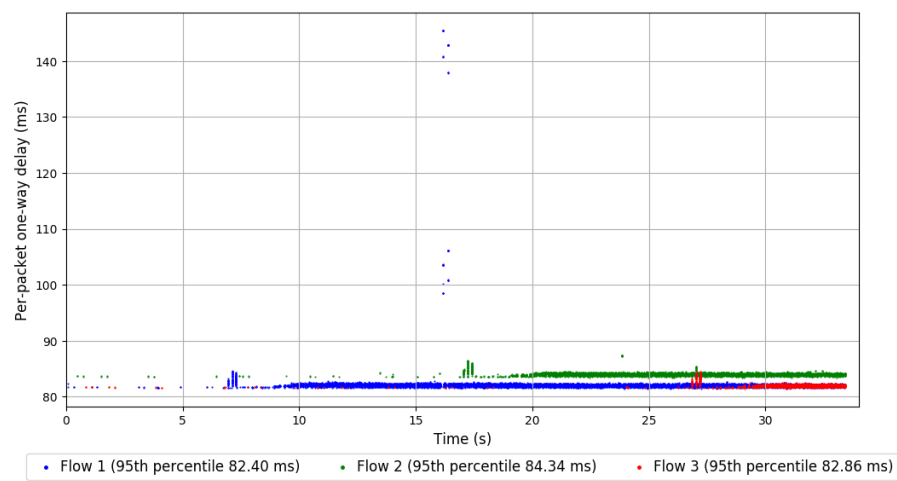
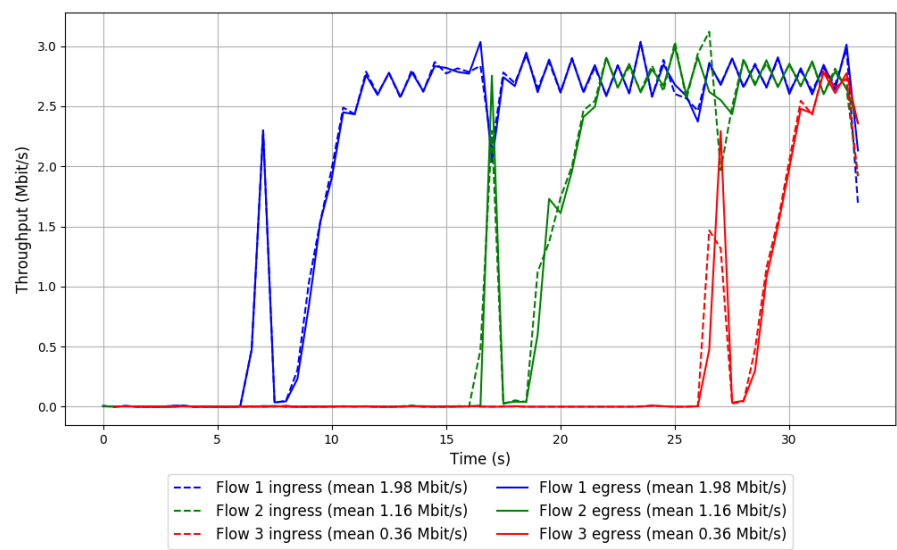


Run 1: Statistics of WebRTC media

Start at: 2018-02-28 04:11:46
End at: 2018-02-28 04:12:16
Local clock offset: 0.353 ms
Remote clock offset: -5.214 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 84.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 82.396 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 84.344 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 82.856 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

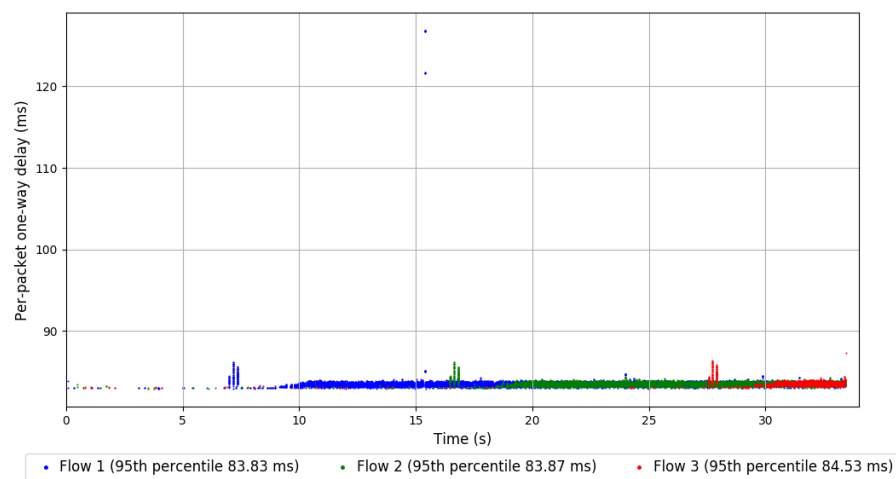
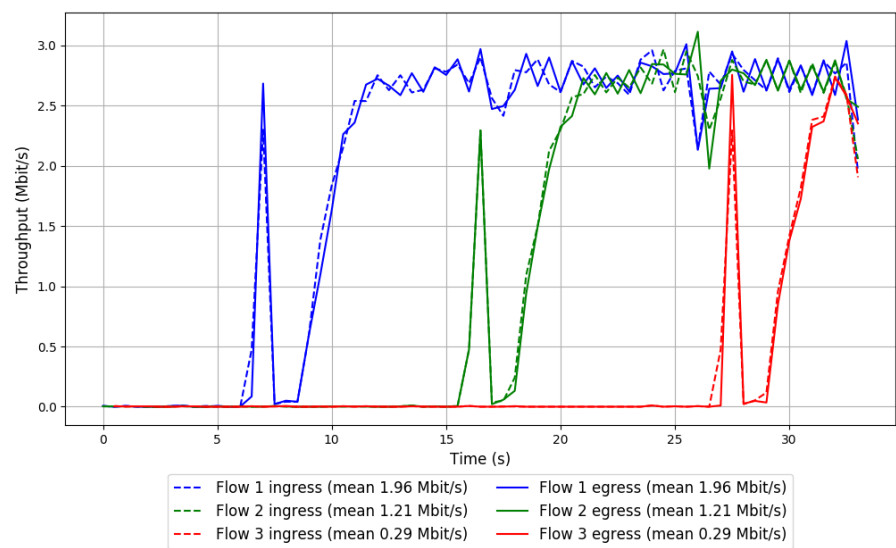


Run 2: Statistics of WebRTC media

Start at: 2018-02-28 04:35:21
End at: 2018-02-28 04:35:51
Local clock offset: 1.723 ms
Remote clock offset: -5.999 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 83.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 83.834 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 83.869 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 84.534 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

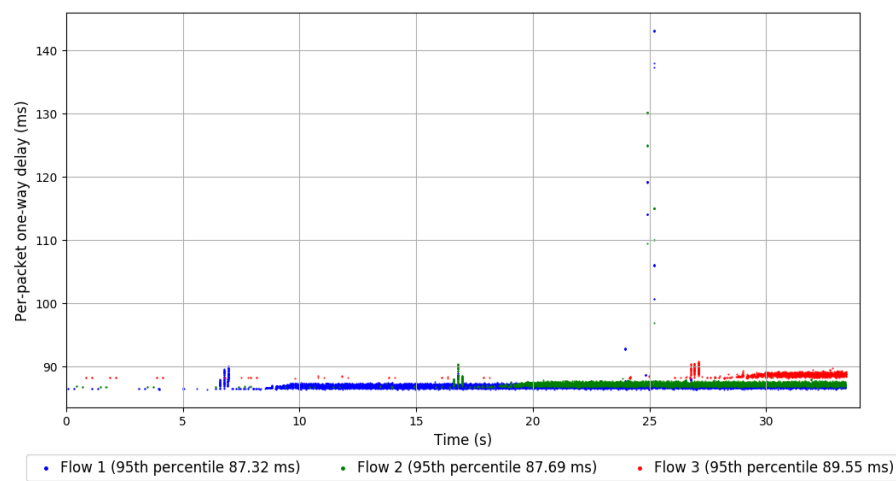
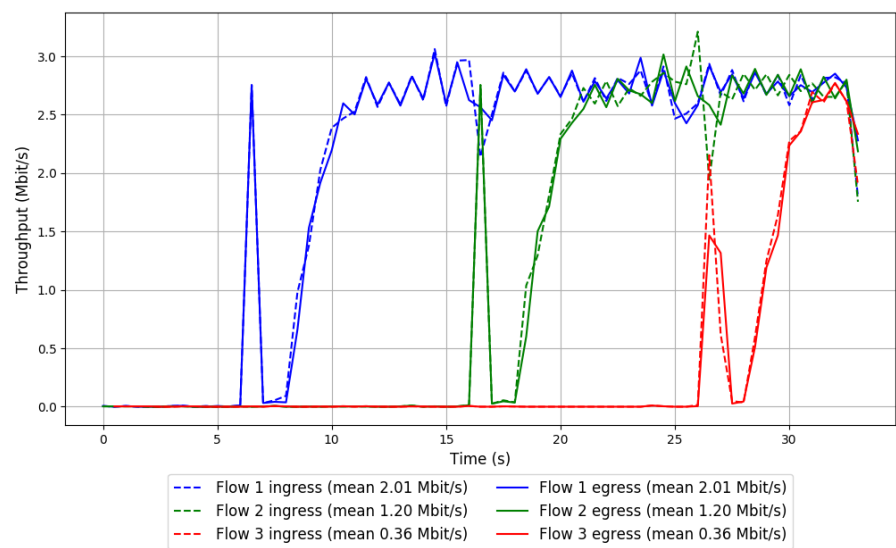


Run 3: Statistics of WebRTC media

Start at: 2018-02-28 04:58:55
End at: 2018-02-28 04:59:25
Local clock offset: -3.971 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 88.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 87.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 87.694 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 89.549 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

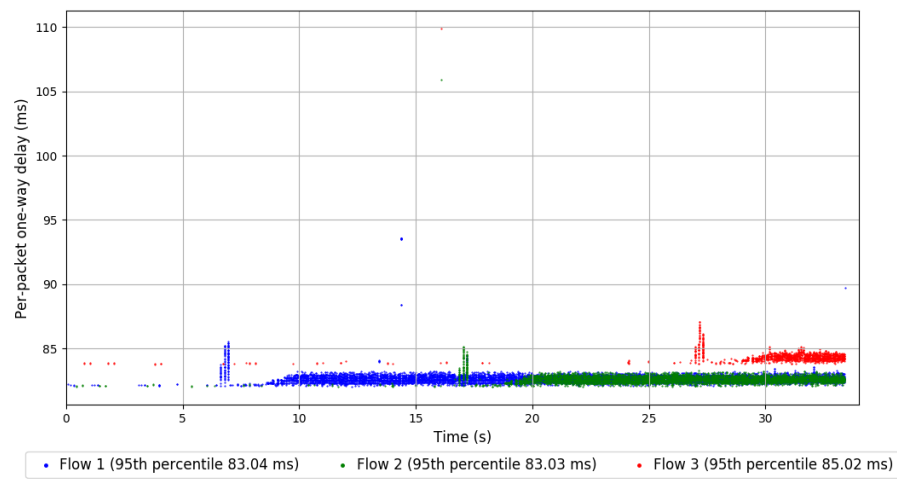
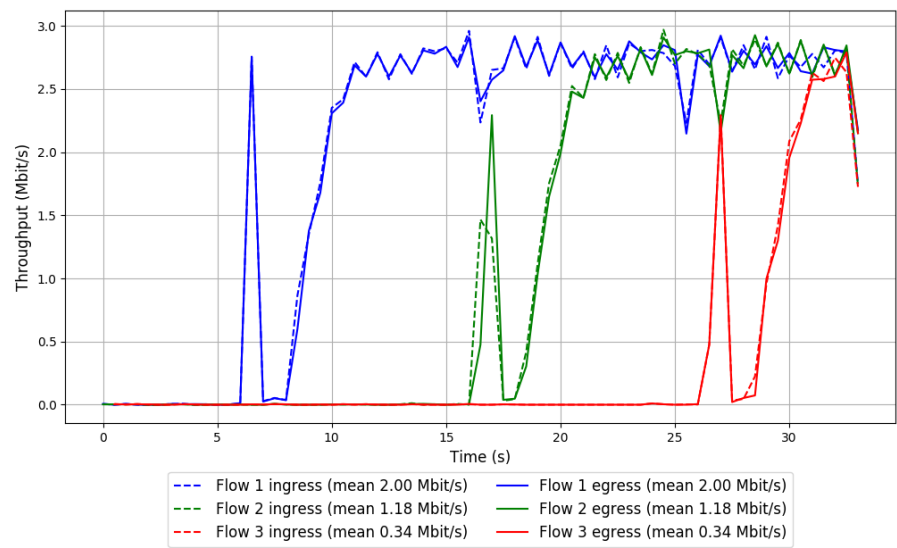


Run 4: Statistics of WebRTC media

Start at: 2018-02-28 05:22:45
End at: 2018-02-28 05:23:15
Local clock offset: -1.542 ms
Remote clock offset: -5.244 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 84.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 83.038 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 83.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 85.021 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

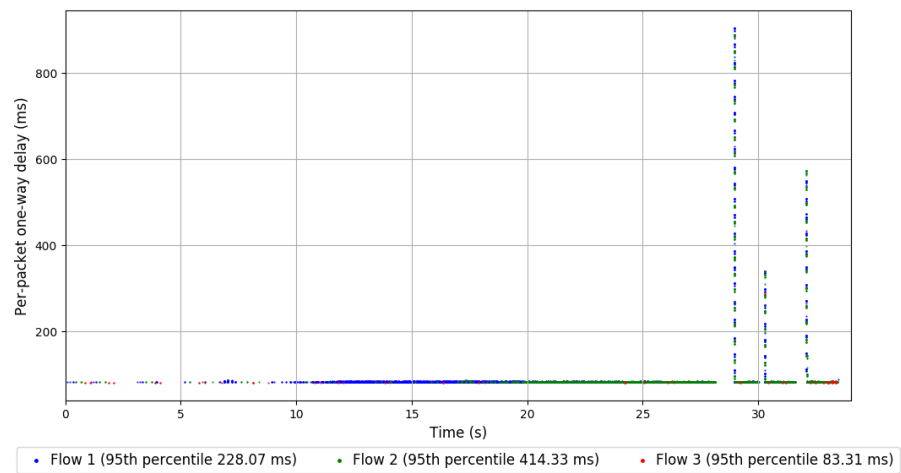
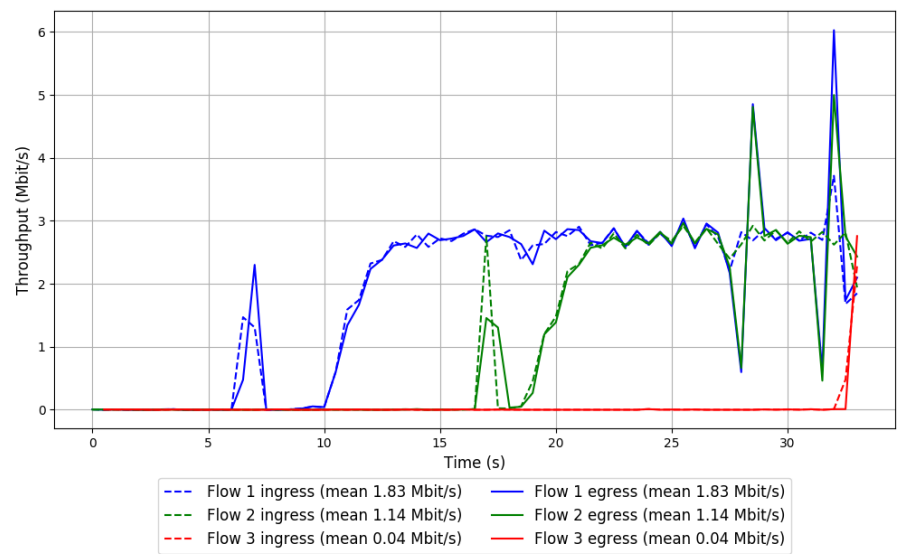


Run 5: Statistics of WebRTC media

Start at: 2018-02-28 05:46:26
End at: 2018-02-28 05:46:56
Local clock offset: 1.025 ms
Remote clock offset: -6.378 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 307.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 228.066 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 414.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 83.314 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

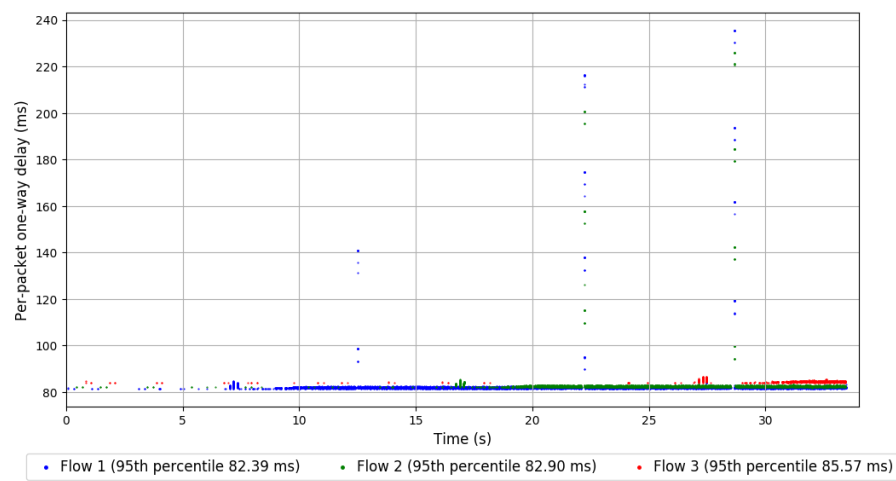
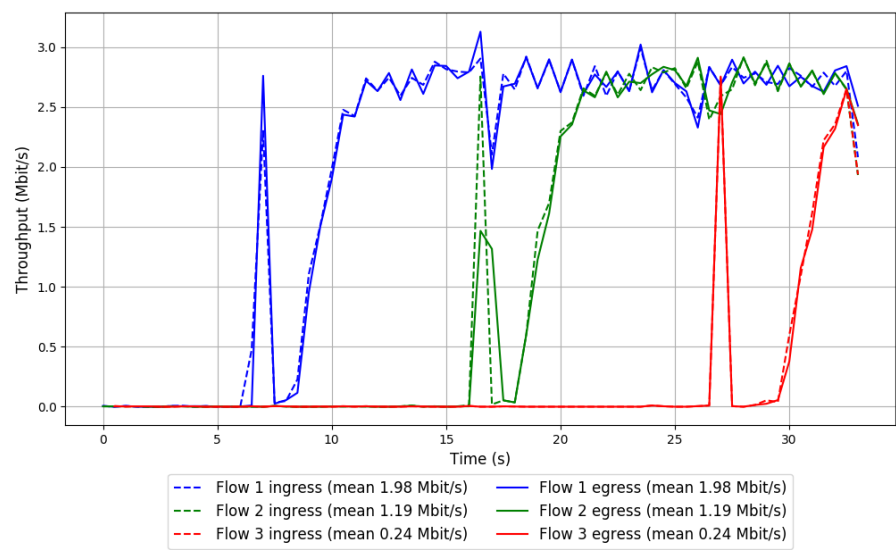


Run 6: Statistics of WebRTC media

Start at: 2018-02-28 06:10:18
End at: 2018-02-28 06:10:48
Local clock offset: -1.898 ms
Remote clock offset: -5.373 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 84.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 82.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 82.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 85.572 ms
Loss rate: 0.01%

Run 6: Report of WebRTC media — Data Link

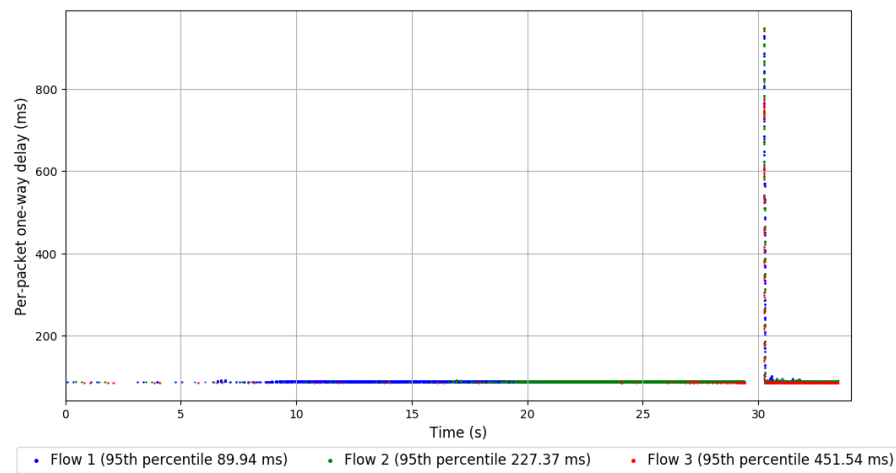
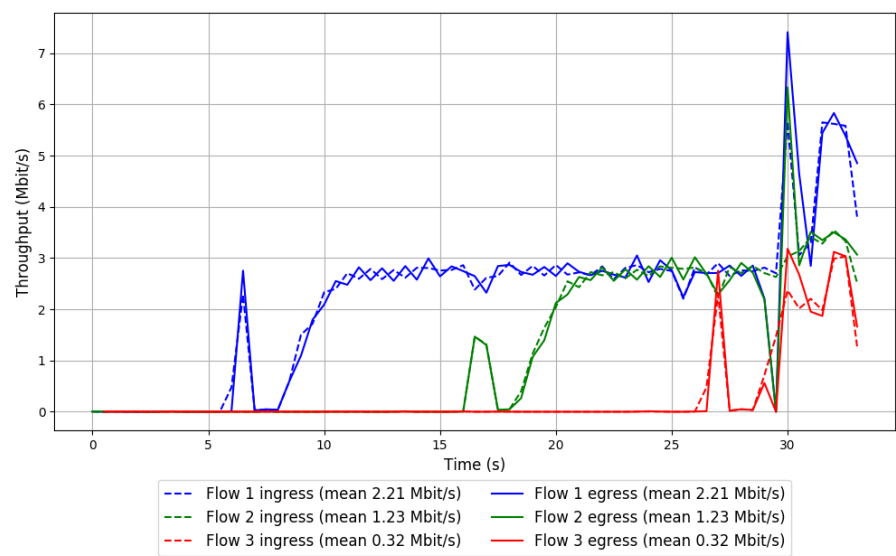


Run 7: Statistics of WebRTC media

Start at: 2018-02-28 06:33:48
End at: 2018-02-28 06:34:18
Local clock offset: -5.858 ms
Remote clock offset: -1.458 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 92.366 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 89.942 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 227.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 451.537 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-28 06:57:52

End at: 2018-02-28 06:58:22

Local clock offset: -7.062 ms

Remote clock offset: -5.47 ms

Below is generated by plot.py at 2018-02-28 08:27:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 84.492 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 82.620 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 82.997 ms

Loss rate: 0.00%

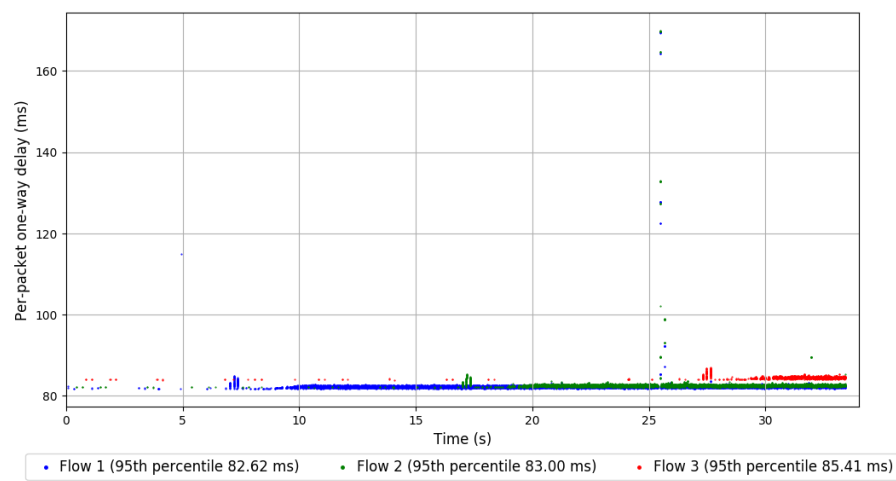
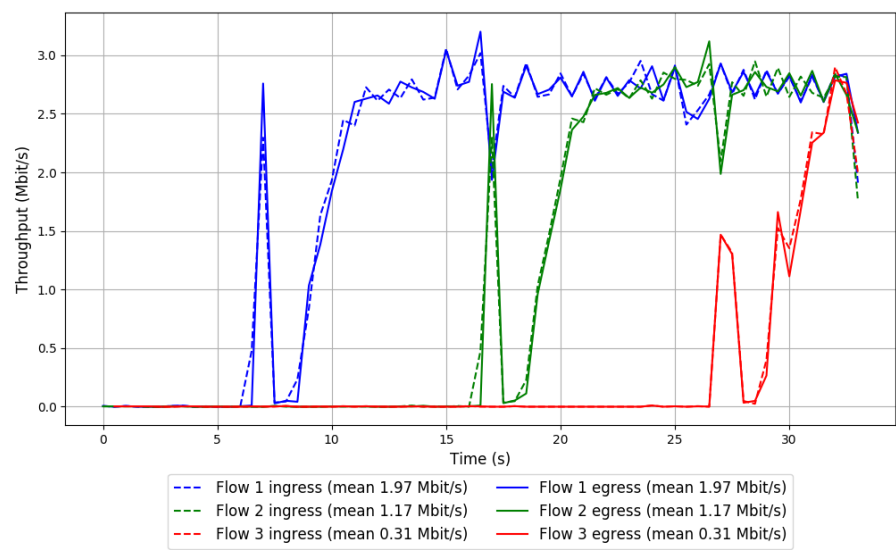
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 85.413 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-28 07:21:27

End at: 2018-02-28 07:21:57

Local clock offset: -6.794 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-02-28 08:27:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.20 Mbit/s

95th percentile per-packet one-way delay: 92.366 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 90.698 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 342.124 ms

Loss rate: 0.00%

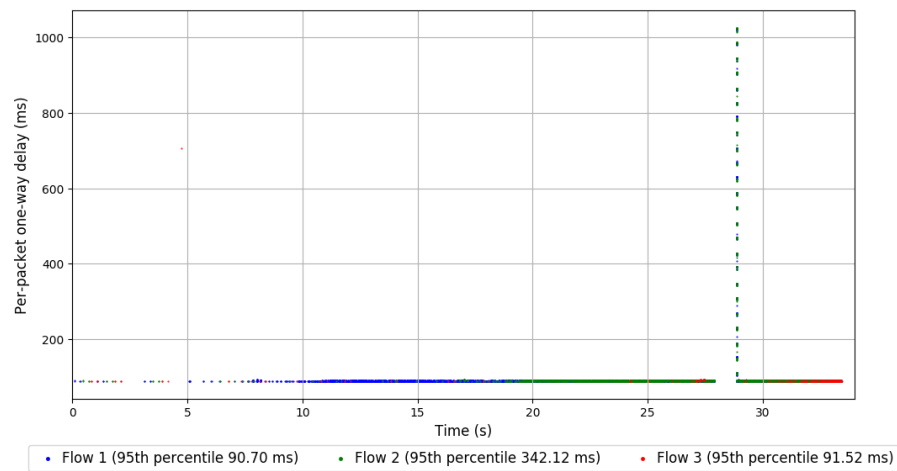
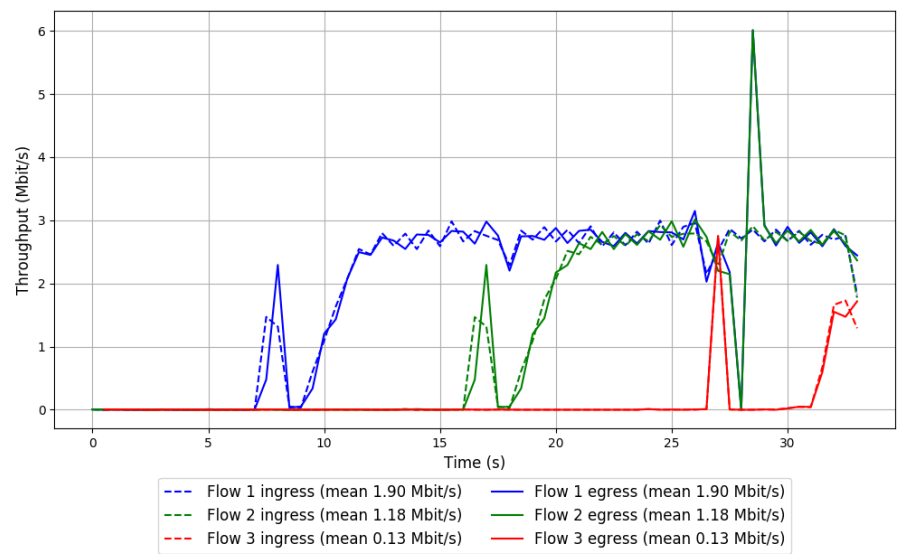
-- Flow 3:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 91.518 ms

Loss rate: 0.22%

Run 9: Report of WebRTC media — Data Link

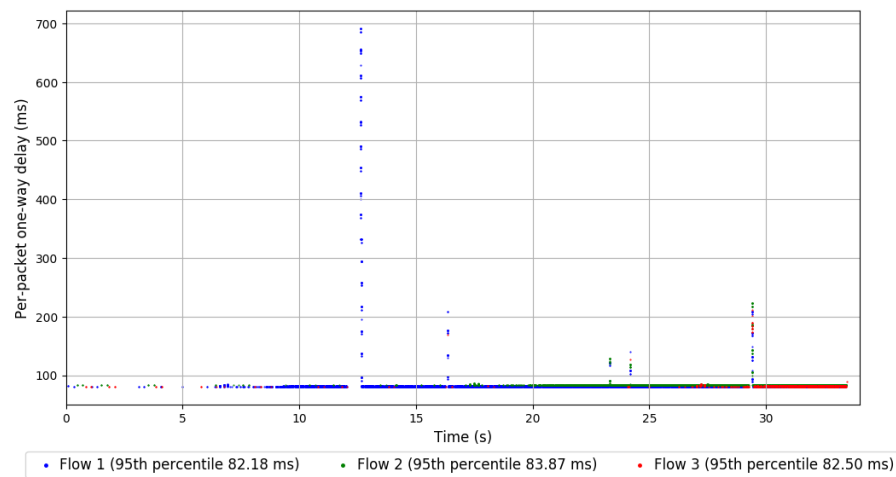
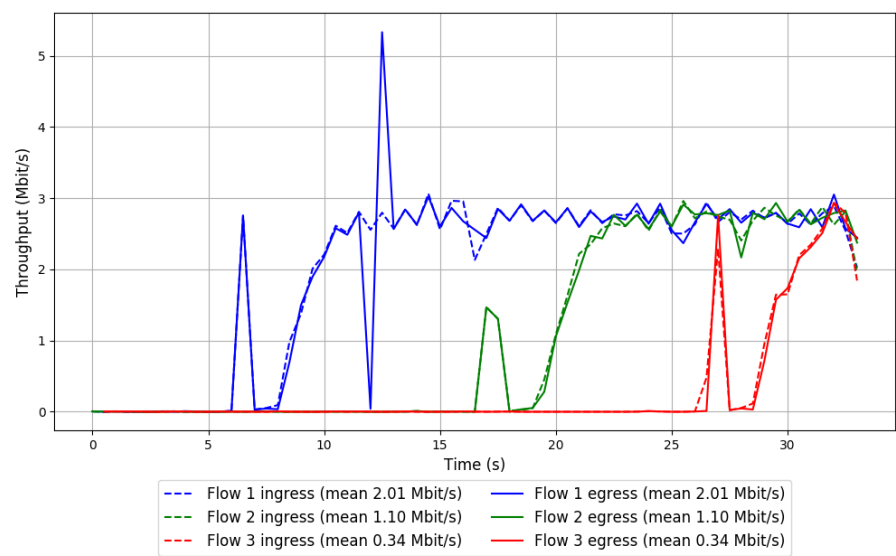


Run 10: Statistics of WebRTC media

Start at: 2018-02-28 07:45:24
End at: 2018-02-28 07:45:54
Local clock offset: -5.414 ms
Remote clock offset: -6.421 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 83.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 82.182 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 83.872 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 82.502 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

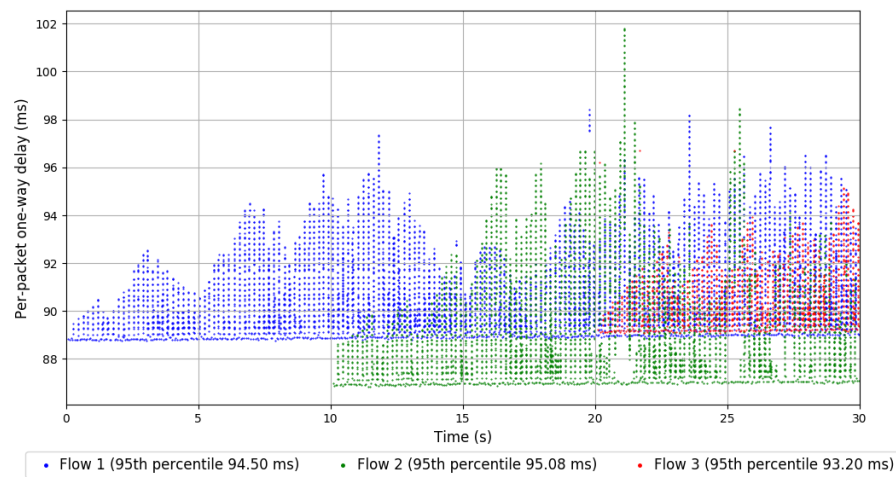
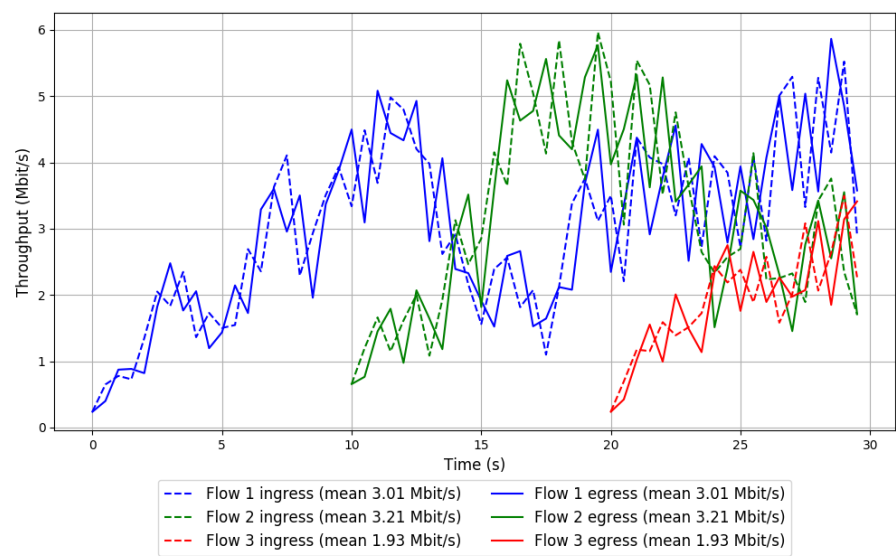


Run 1: Statistics of Sprout

Start at: 2018-02-28 04:01:03
End at: 2018-02-28 04:01:33
Local clock offset: 3.734 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 94.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 94.499 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 95.081 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 93.199 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

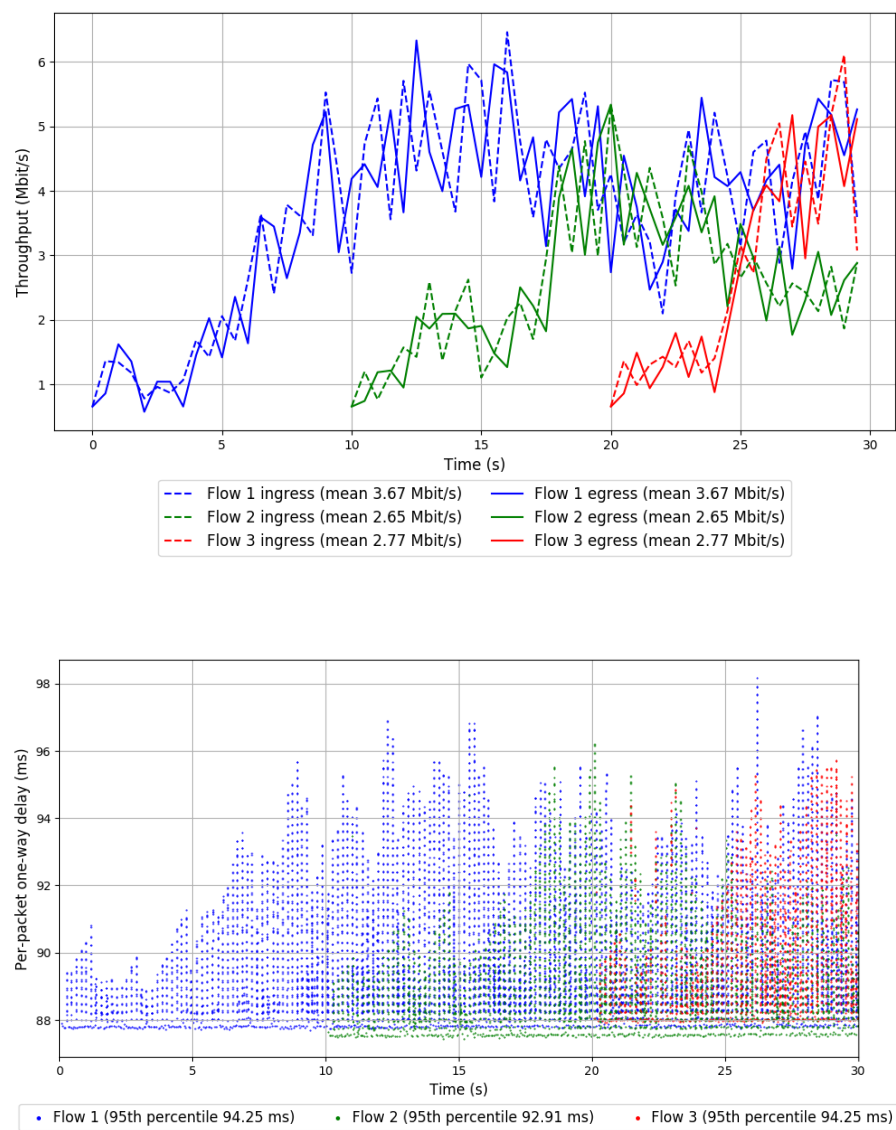


Run 2: Statistics of Sprout

Start at: 2018-02-28 04:24:57
End at: 2018-02-28 04:25:27
Local clock offset: 0.056 ms
Remote clock offset: -1.185 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 94.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 94.246 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 92.911 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 94.253 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

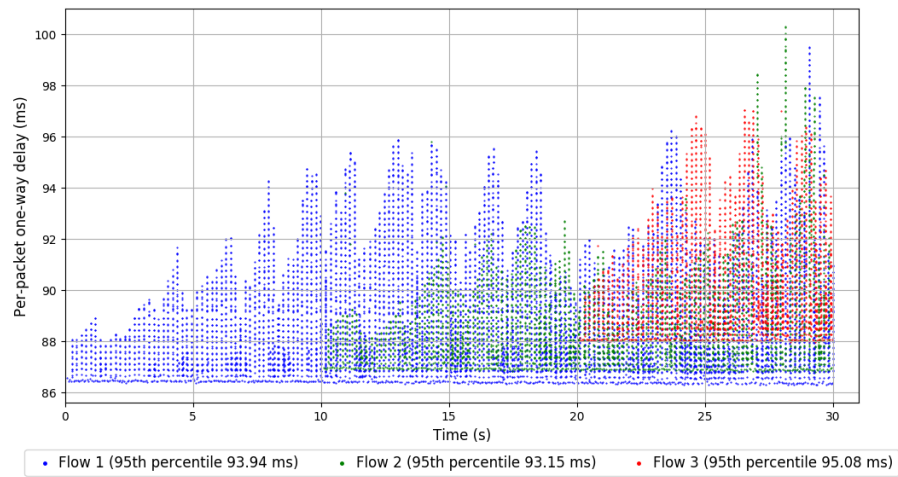
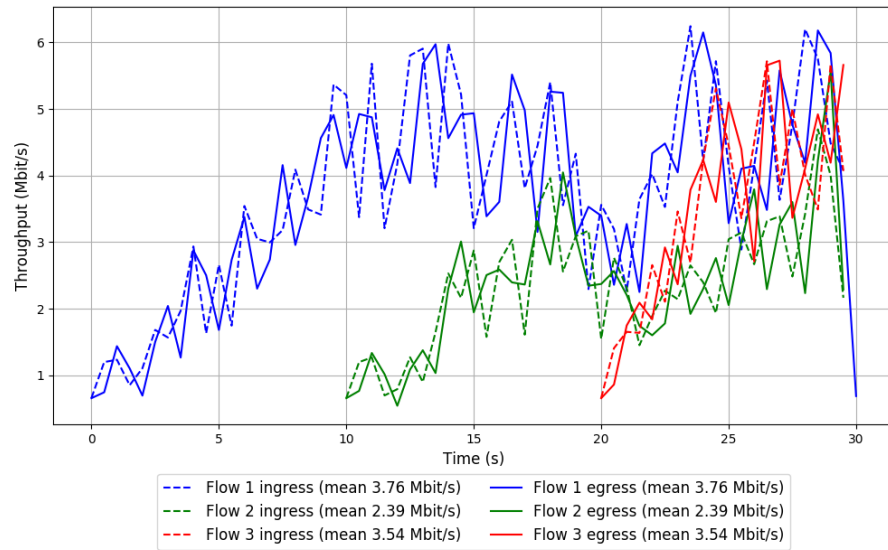


Run 3: Statistics of Sprout

Start at: 2018-02-28 04:48:31
End at: 2018-02-28 04:49:01
Local clock offset: -3.116 ms
Remote clock offset: -0.442 ms

```
# Below is generated by plot.py at 2018-02-28 08:27:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 94.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 93.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 93.153 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 95.076 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

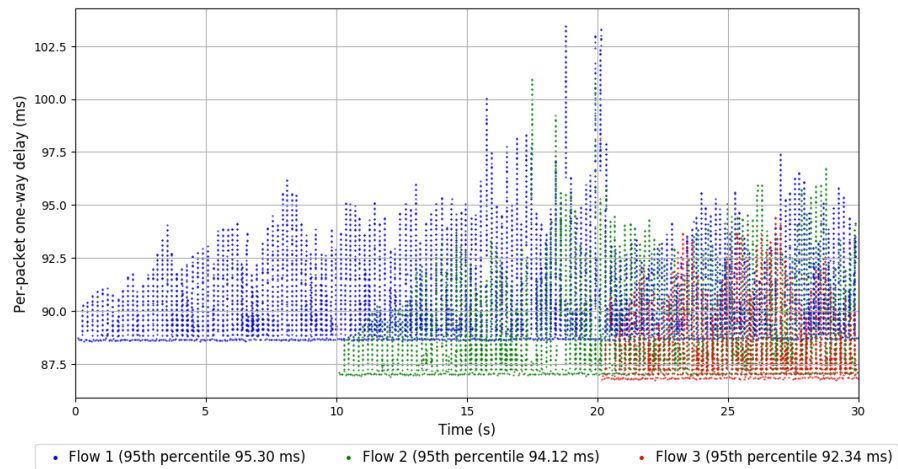
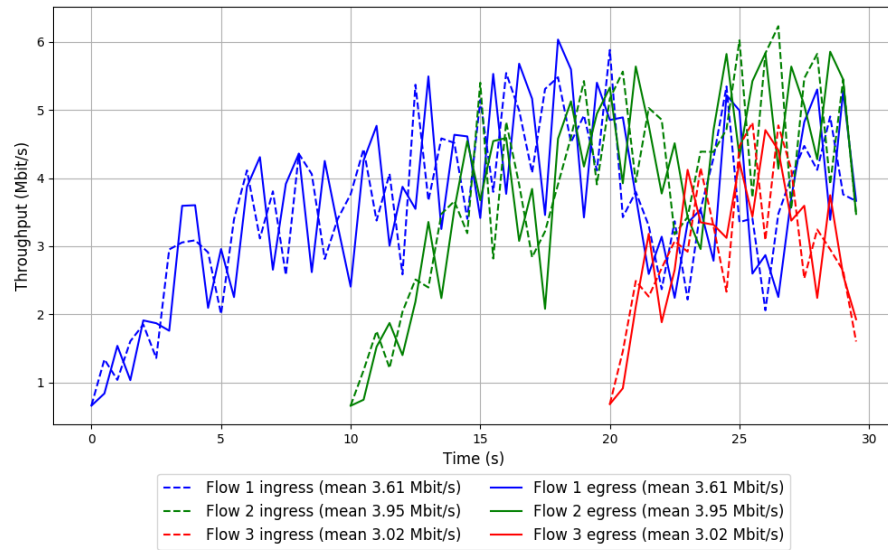


Run 4: Statistics of Sprout

Start at: 2018-02-28 05:12:04
End at: 2018-02-28 05:12:34
Local clock offset: -3.348 ms
Remote clock offset: -0.305 ms

```
# Below is generated by plot.py at 2018-02-28 08:27:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 94.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 95.296 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 94.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 92.338 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

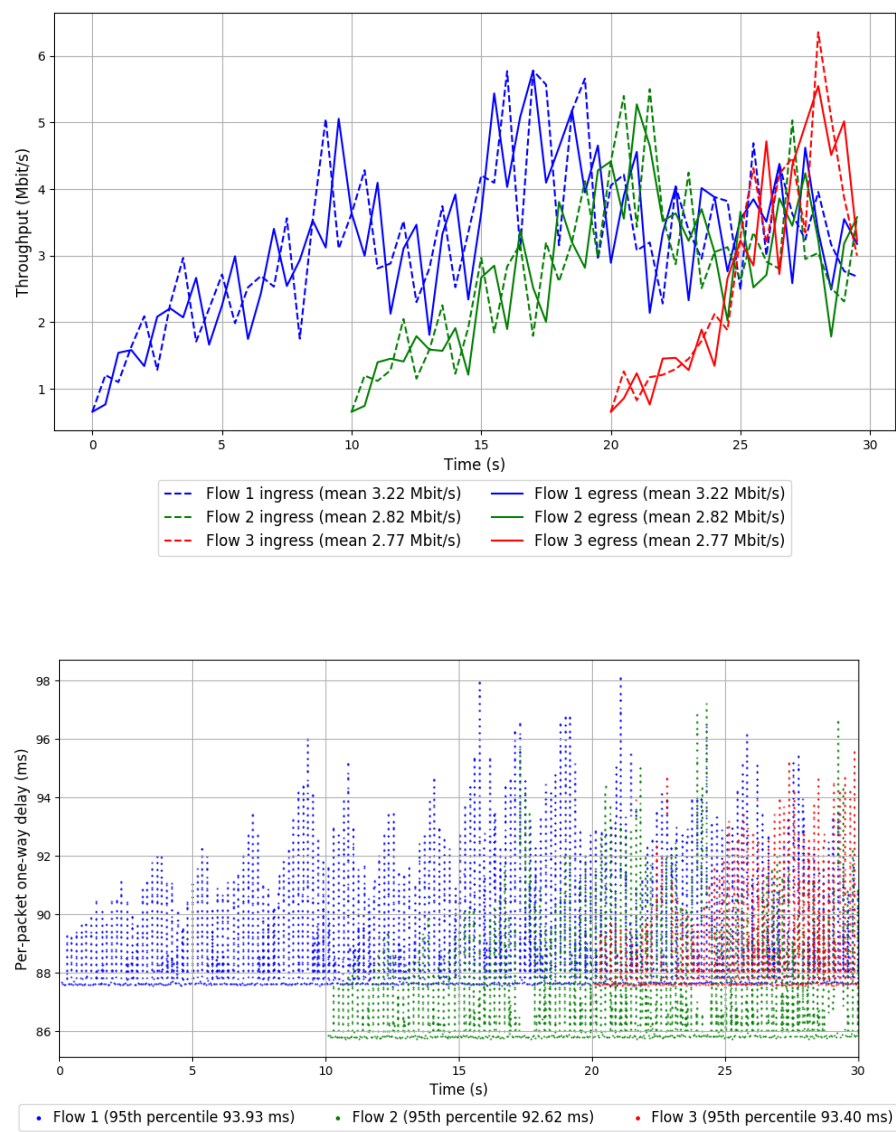


Run 5: Statistics of Sprout

Start at: 2018-02-28 05:35:53
End at: 2018-02-28 05:36:23
Local clock offset: -0.028 ms
Remote clock offset: -1.482 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 93.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 93.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 92.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 93.404 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

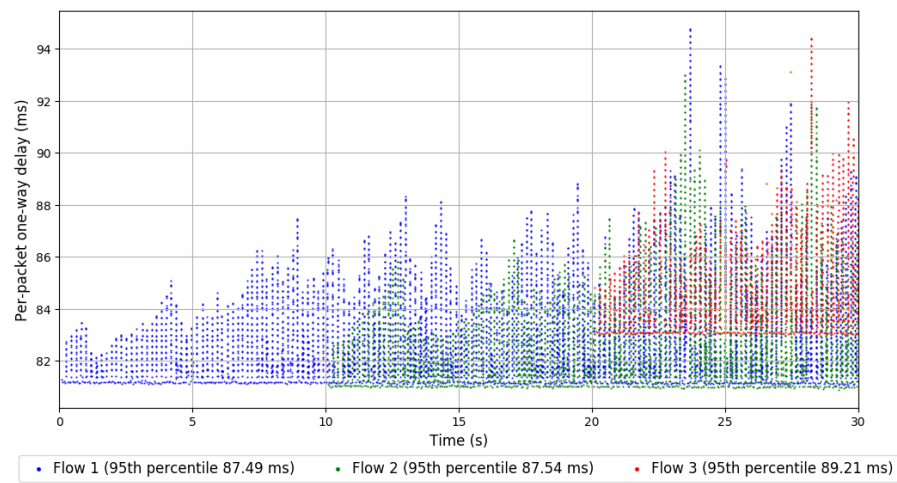
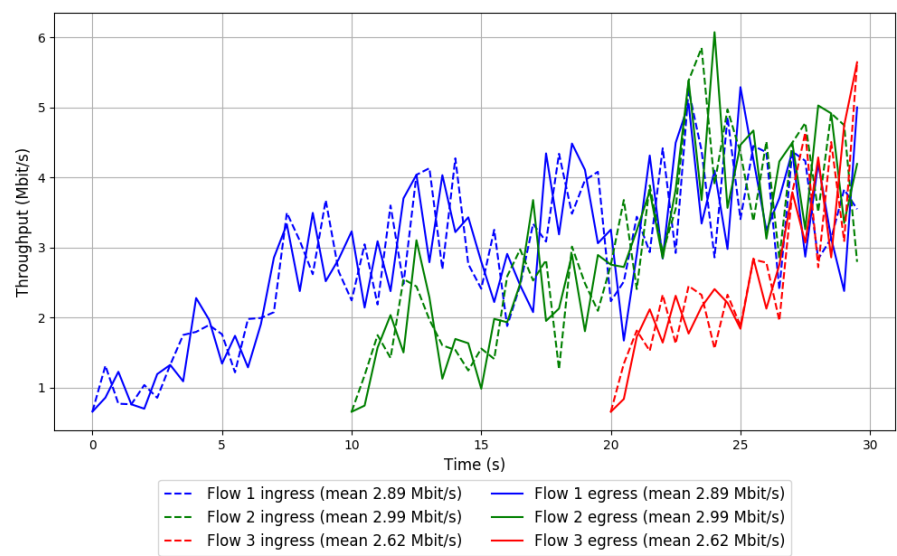


Run 6: Statistics of Sprout

Start at: 2018-02-28 05:59:38
End at: 2018-02-28 06:00:08
Local clock offset: -1.625 ms
Remote clock offset: -6.376 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 87.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 87.491 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 87.543 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 89.207 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

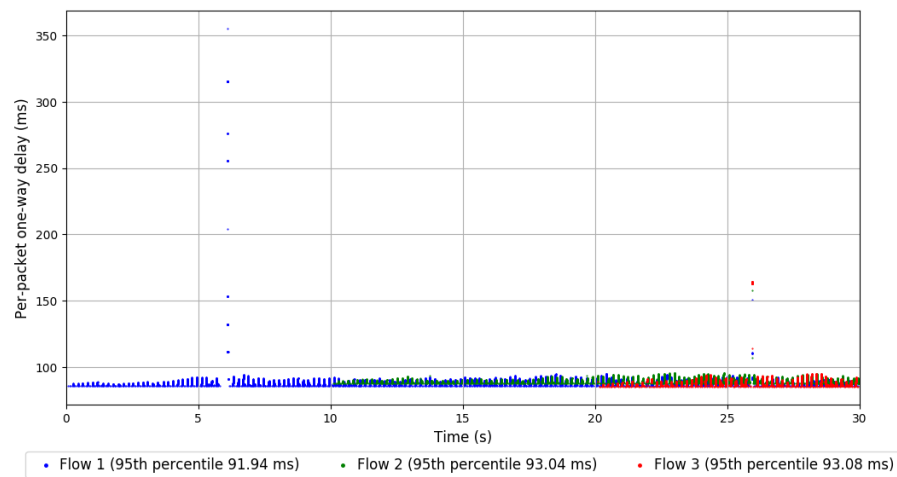
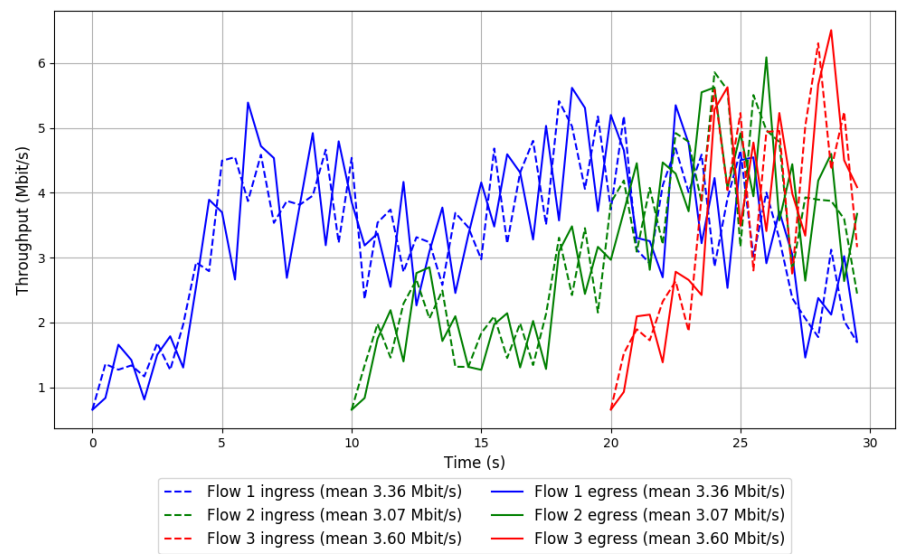


Run 7: Statistics of Sprout

Start at: 2018-02-28 06:23:26
End at: 2018-02-28 06:23:56
Local clock offset: -3.277 ms
Remote clock offset: -1.432 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 92.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 91.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 93.041 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 93.084 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

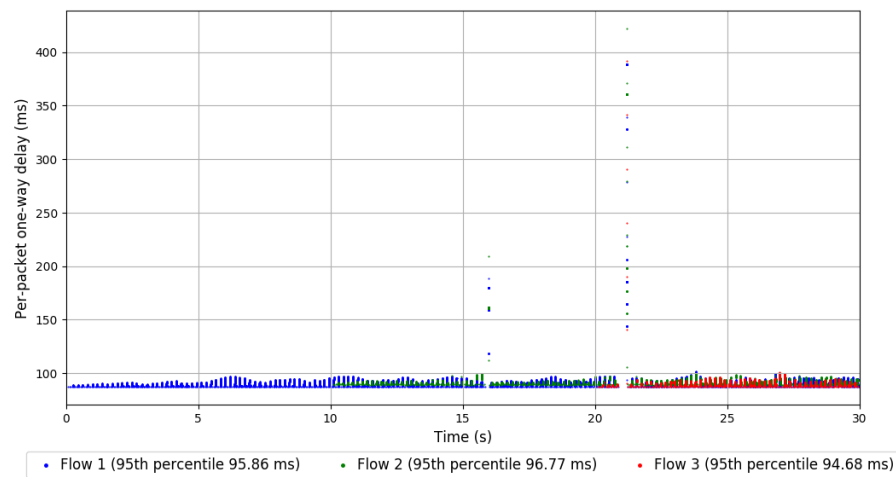
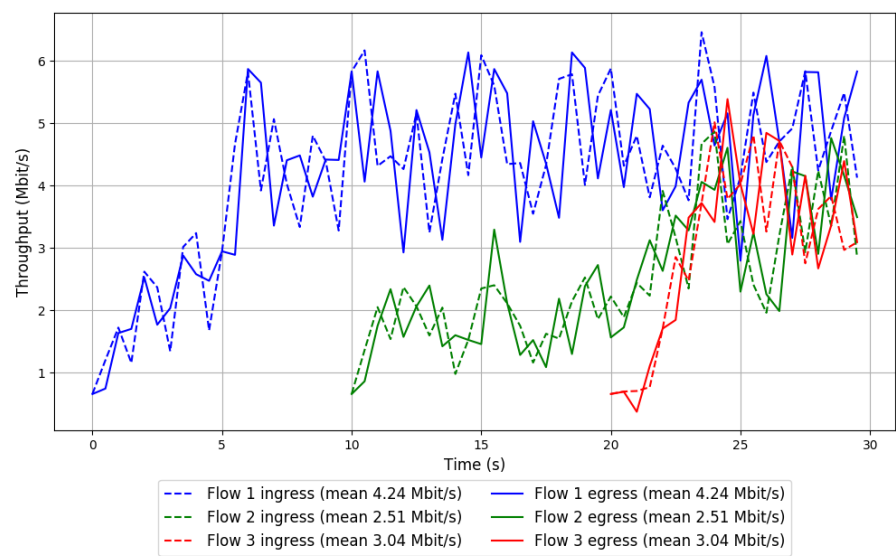


Run 8: Statistics of Sprout

Start at: 2018-02-28 06:47:00
End at: 2018-02-28 06:47:30
Local clock offset: -7.047 ms
Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 95.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 95.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 96.769 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 94.684 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

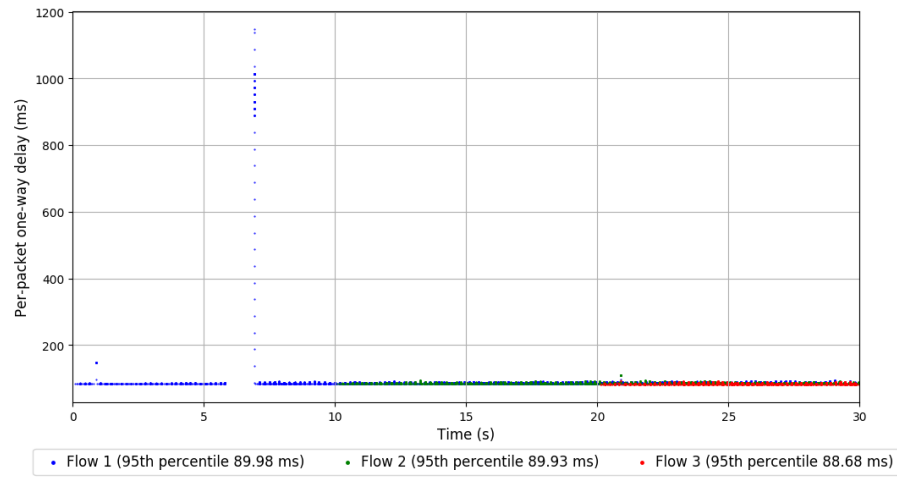
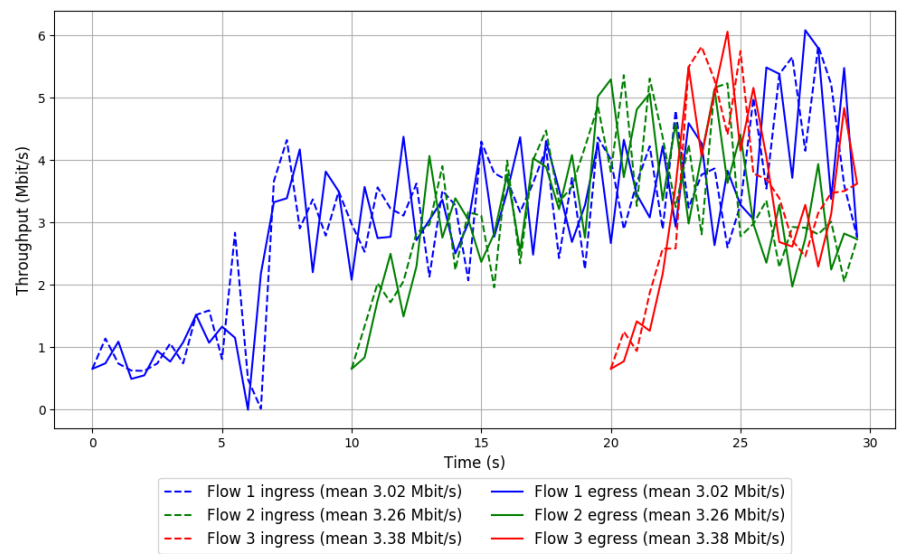


Run 9: Statistics of Sprout

Start at: 2018-02-28 07:11:06
End at: 2018-02-28 07:11:36
Local clock offset: -6.693 ms
Remote clock offset: -5.543 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 89.749 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 89.978 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 89.934 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 88.678 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

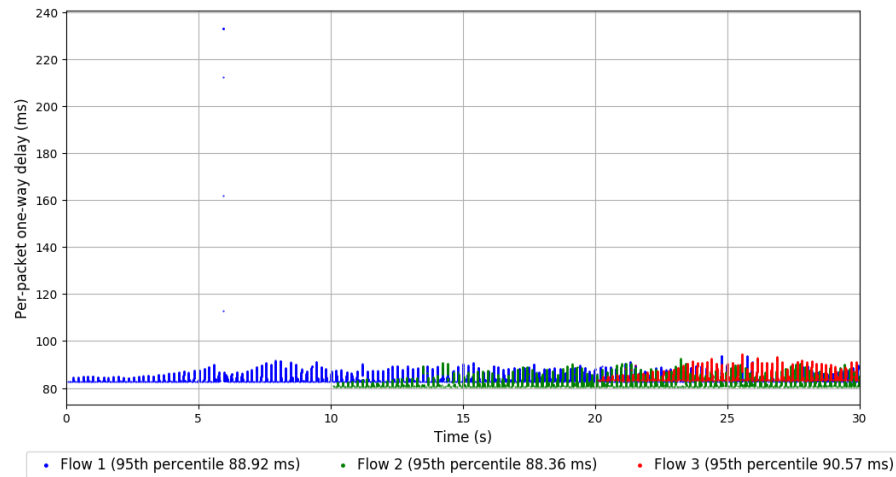
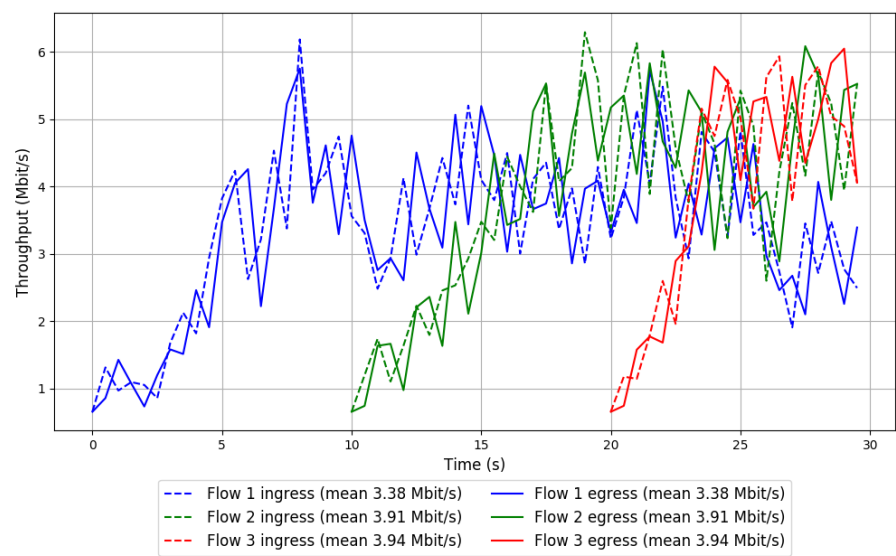


Run 10: Statistics of Sprout

Start at: 2018-02-28 07:34:44
End at: 2018-02-28 07:35:14
Local clock offset: -6.048 ms
Remote clock offset: -6.376 ms

Below is generated by plot.py at 2018-02-28 08:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 89.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 88.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 88.361 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 90.569 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

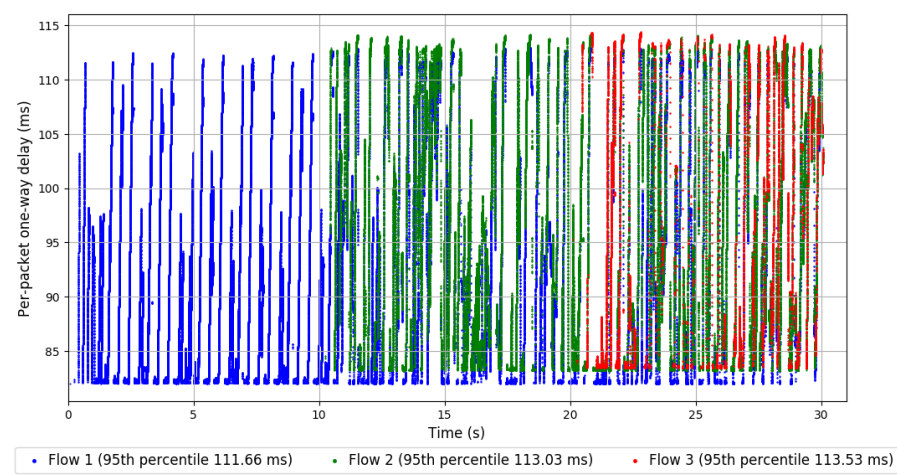
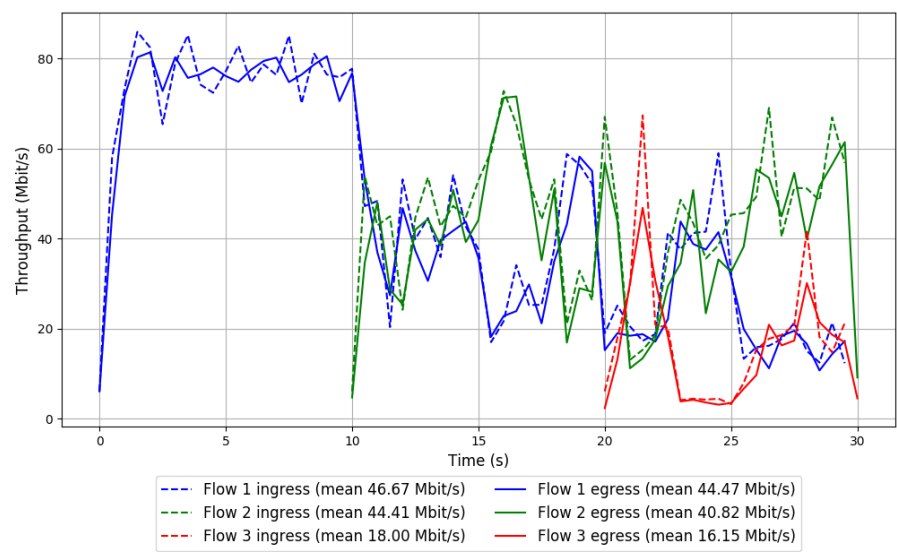


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-28 04:15:40
End at: 2018-02-28 04:16:10
Local clock offset: -0.261 ms
Remote clock offset: -5.149 ms

Below is generated by plot.py at 2018-02-28 08:28:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 112.494 ms
Loss rate: 6.24%
-- Flow 1:
Average throughput: 44.47 Mbit/s
95th percentile per-packet one-way delay: 111.663 ms
Loss rate: 4.61%
-- Flow 2:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 113.025 ms
Loss rate: 8.00%
-- Flow 3:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 113.527 ms
Loss rate: 10.20%

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

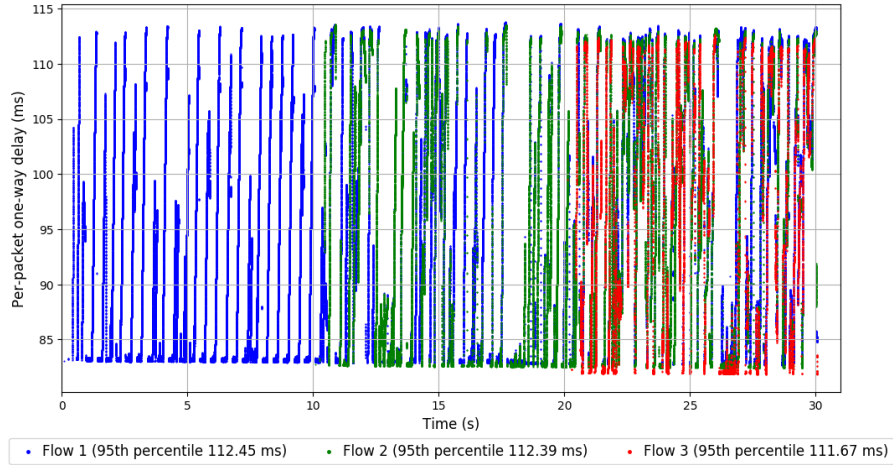
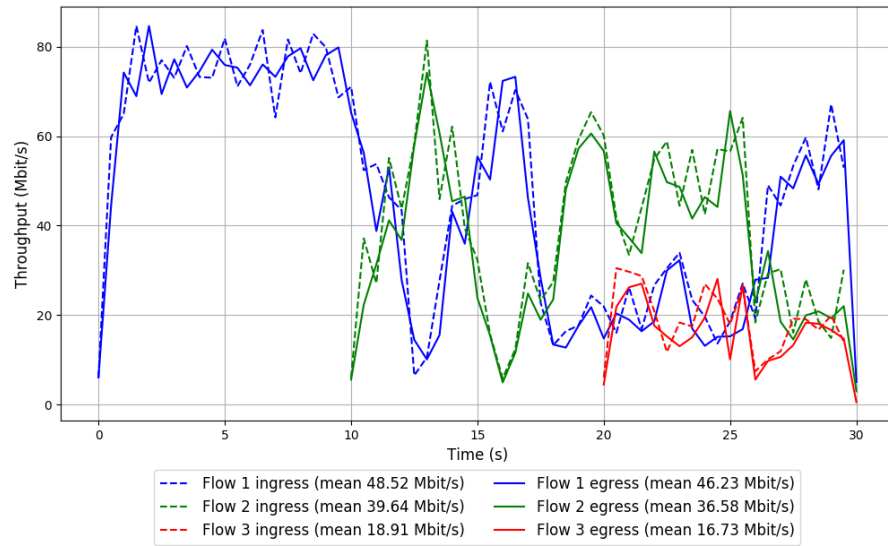


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-28 04:39:13
End at: 2018-02-28 04:39:43
Local clock offset: 0.935 ms
Remote clock offset: -5.994 ms

Below is generated by plot.py at 2018-02-28 08:29:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 112.377 ms
Loss rate: 6.22%
-- Flow 1:
Average throughput: 46.23 Mbit/s
95th percentile per-packet one-way delay: 112.450 ms
Loss rate: 4.72%
-- Flow 2:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 112.390 ms
Loss rate: 7.68%
-- Flow 3:
Average throughput: 16.73 Mbit/s
95th percentile per-packet one-way delay: 111.673 ms
Loss rate: 11.74%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-28 05:02:48

End at: 2018-02-28 05:03:18

Local clock offset: -3.907 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-02-28 08:29:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.23 Mbit/s

95th percentile per-packet one-way delay: 116.358 ms

Loss rate: 5.55%

-- Flow 1:

Average throughput: 47.43 Mbit/s

95th percentile per-packet one-way delay: 116.197 ms

Loss rate: 4.16%

-- Flow 2:

Average throughput: 28.25 Mbit/s

95th percentile per-packet one-way delay: 116.469 ms

Loss rate: 8.78%

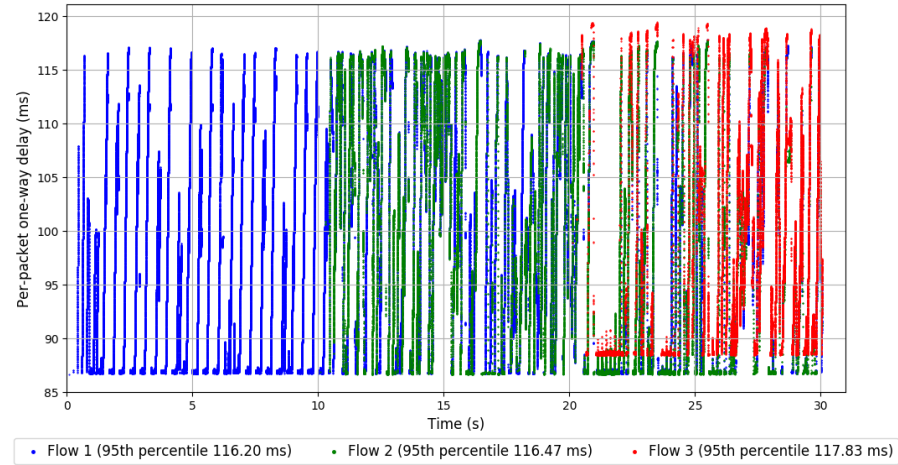
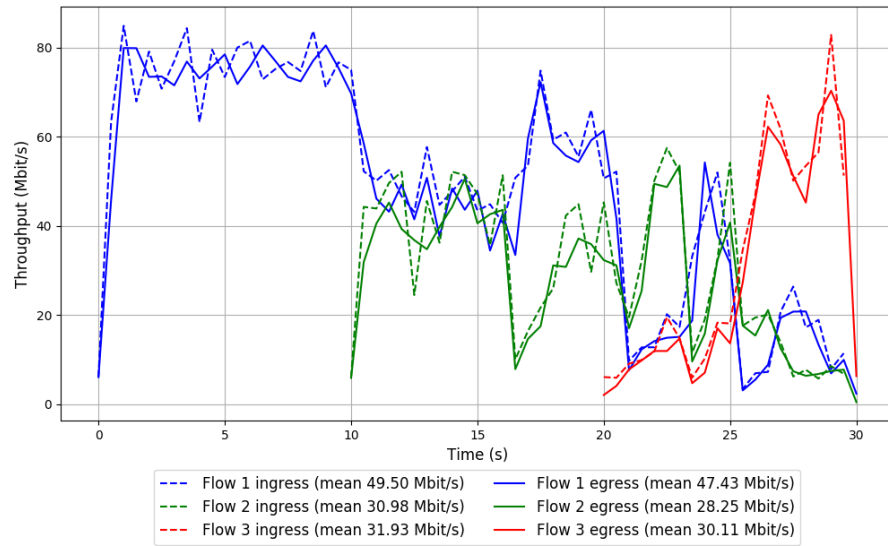
-- Flow 3:

Average throughput: 30.11 Mbit/s

95th percentile per-packet one-way delay: 117.831 ms

Loss rate: 5.74%

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

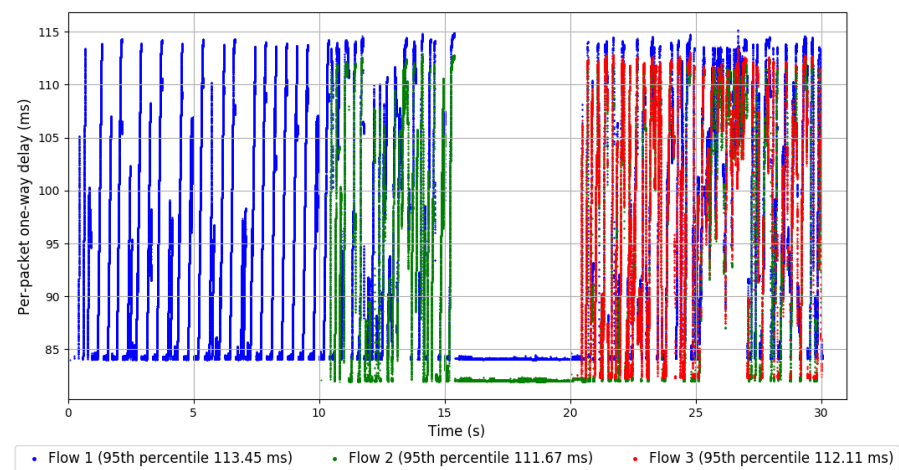
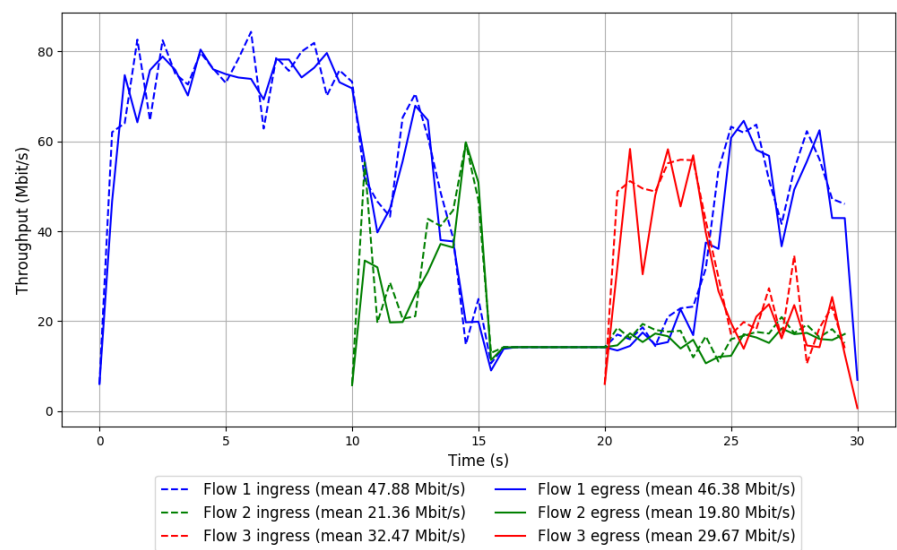


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-28 05:26:37
End at: 2018-02-28 05:27:07
Local clock offset: -1.031 ms
Remote clock offset: -5.287 ms

Below is generated by plot.py at 2018-02-28 08:29:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.34 Mbit/s
95th percentile per-packet one-way delay: 112.974 ms
Loss rate: 4.74%
-- Flow 1:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 113.451 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 19.80 Mbit/s
95th percentile per-packet one-way delay: 111.673 ms
Loss rate: 7.26%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 112.111 ms
Loss rate: 8.59%

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

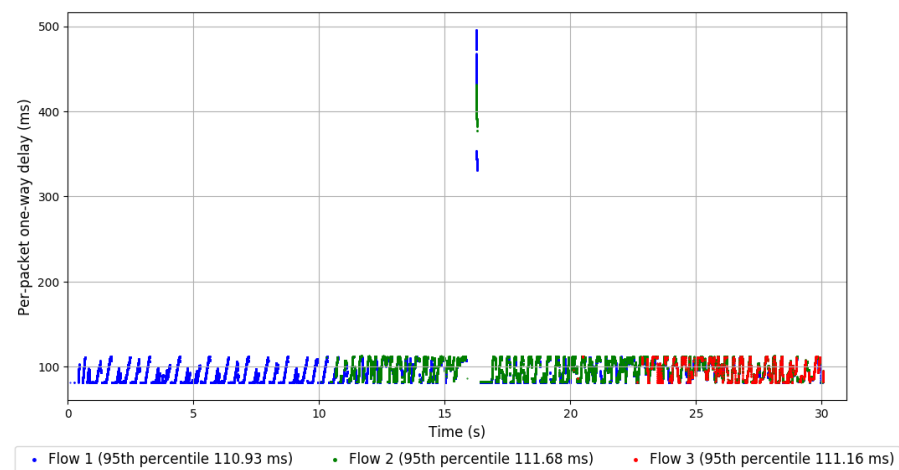
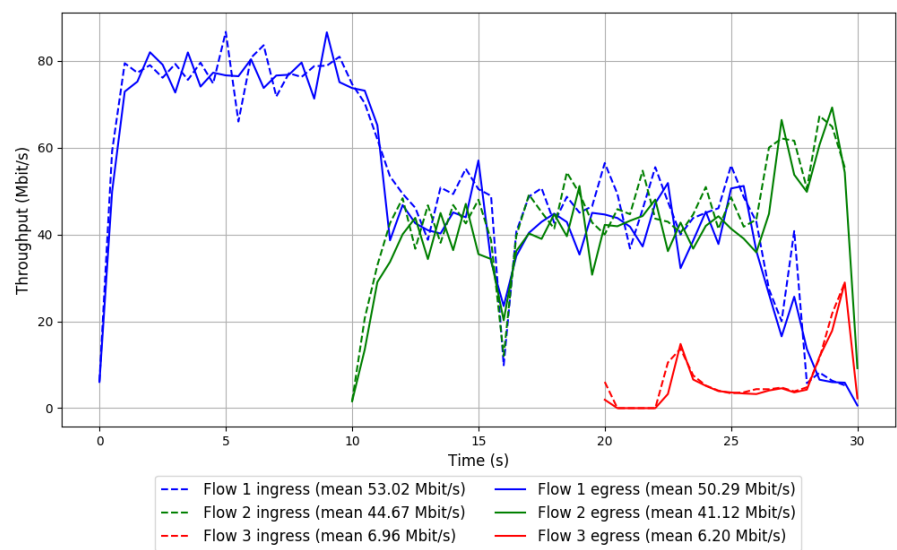


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-28 05:50:21
End at: 2018-02-28 05:50:51
Local clock offset: -0.258 ms
Remote clock offset: -5.699 ms

Below is generated by plot.py at 2018-02-28 08:29:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.73 Mbit/s
95th percentile per-packet one-way delay: 111.306 ms
Loss rate: 6.23%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 110.929 ms
Loss rate: 5.10%
-- Flow 2:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 111.678 ms
Loss rate: 7.89%
-- Flow 3:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 111.161 ms
Loss rate: 10.94%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-28 06:14:10

End at: 2018-02-28 06:14:40

Local clock offset: -1.962 ms

Remote clock offset: -5.44 ms

Below is generated by plot.py at 2018-02-28 08:29:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.25 Mbit/s

95th percentile per-packet one-way delay: 111.990 ms

Loss rate: 6.52%

-- Flow 1:

Average throughput: 49.25 Mbit/s

95th percentile per-packet one-way delay: 111.976 ms

Loss rate: 5.11%

-- Flow 2:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 111.867 ms

Loss rate: 8.51%

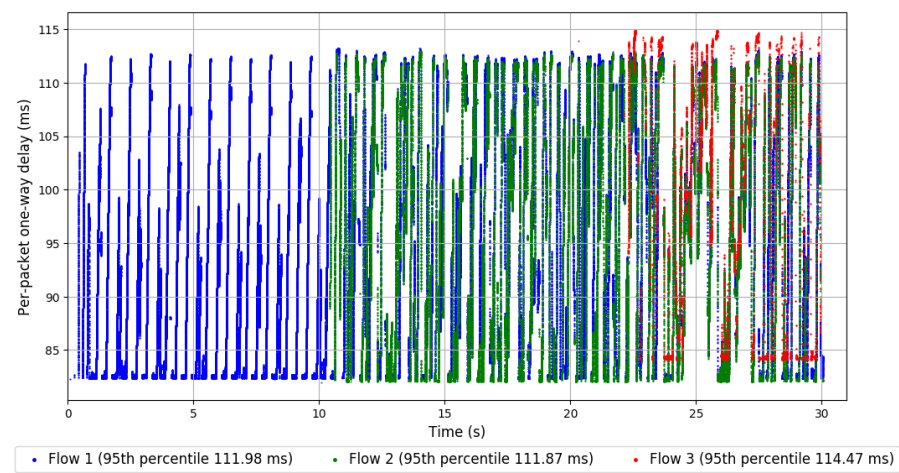
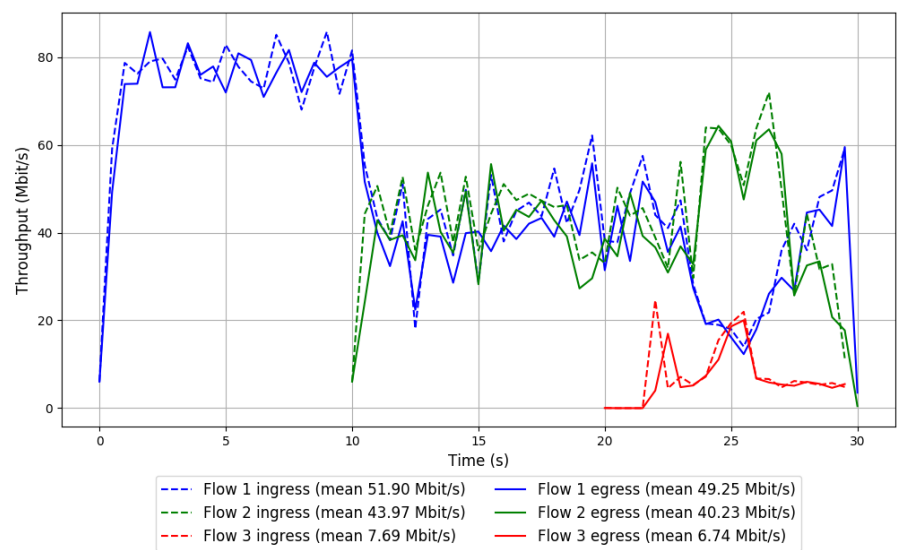
-- Flow 3:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 114.474 ms

Loss rate: 12.44%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-28 06:37:42

End at: 2018-02-28 06:38:12

Local clock offset: -6.377 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-02-28 08:29:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.00 Mbit/s

95th percentile per-packet one-way delay: 118.605 ms

Loss rate: 5.83%

-- Flow 1:

Average throughput: 46.58 Mbit/s

95th percentile per-packet one-way delay: 118.949 ms

Loss rate: 4.38%

-- Flow 2:

Average throughput: 33.50 Mbit/s

95th percentile per-packet one-way delay: 117.190 ms

Loss rate: 7.41%

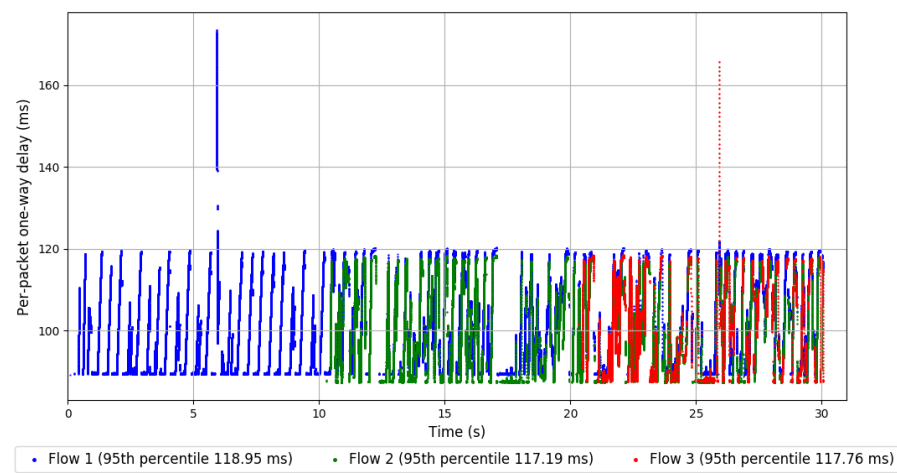
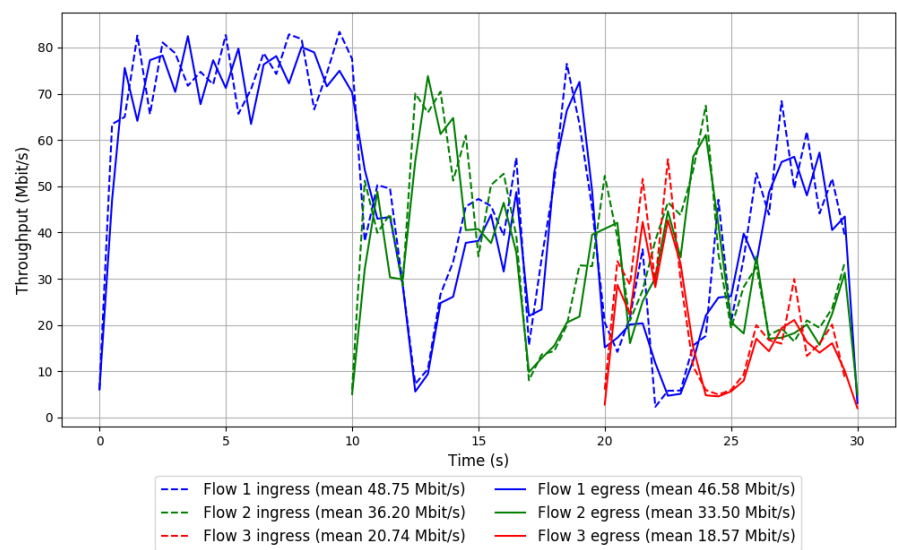
-- Flow 3:

Average throughput: 18.57 Mbit/s

95th percentile per-packet one-way delay: 117.759 ms

Loss rate: 10.65%

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

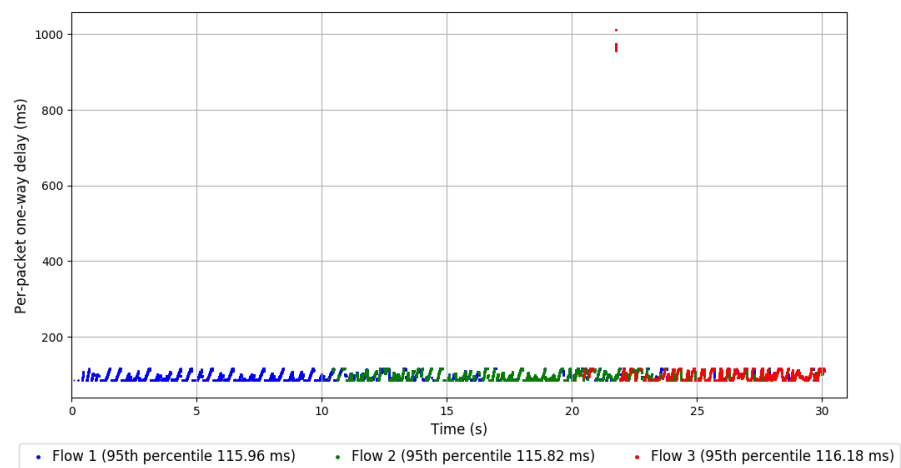
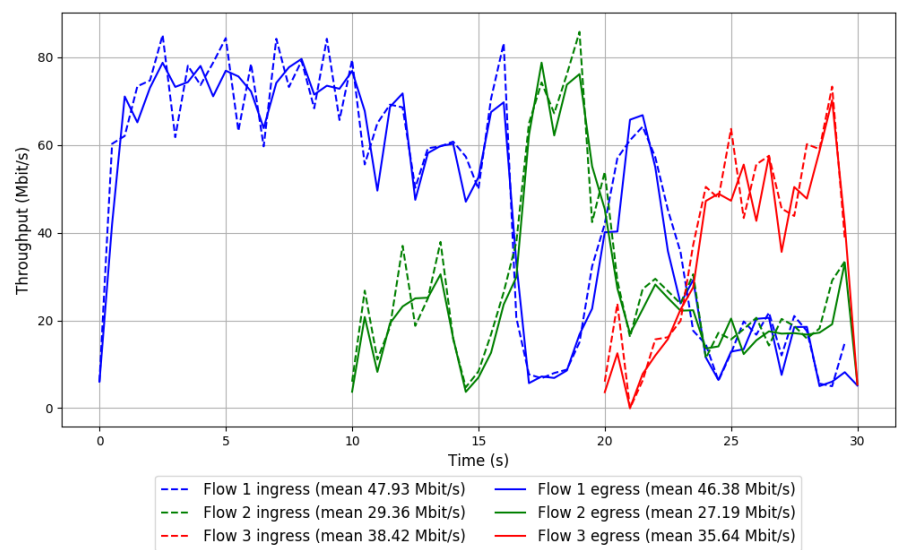


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-28 07:01:47
End at: 2018-02-28 07:02:17
Local clock offset: -6.929 ms
Remote clock offset: -1.517 ms

Below is generated by plot.py at 2018-02-28 08:29:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 115.963 ms
Loss rate: 4.76%
-- Flow 1:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 115.963 ms
Loss rate: 3.14%
-- Flow 2:
Average throughput: 27.19 Mbit/s
95th percentile per-packet one-way delay: 115.821 ms
Loss rate: 7.27%
-- Flow 3:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 116.183 ms
Loss rate: 6.98%

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

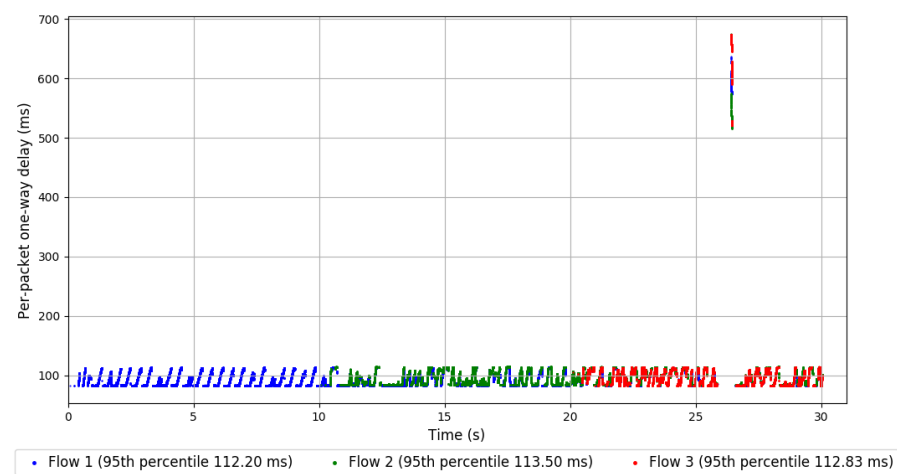
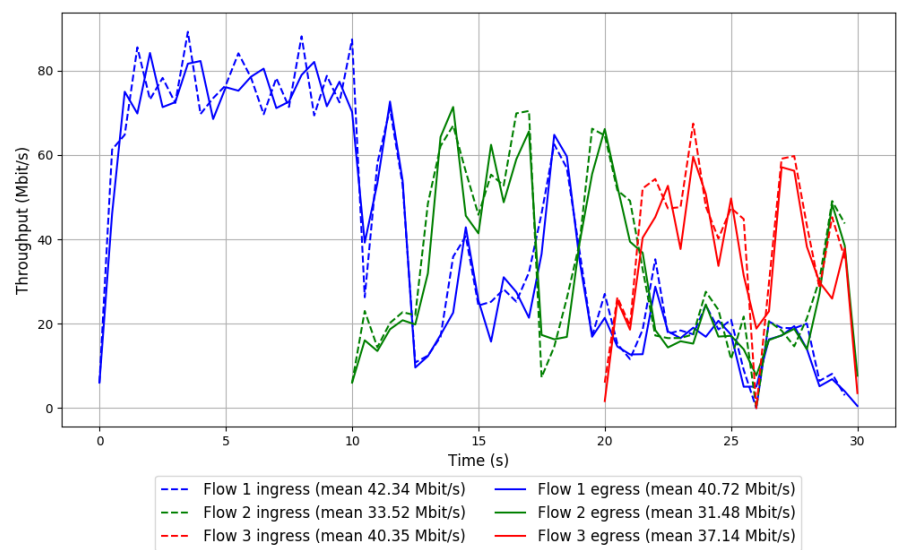


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-28 07:25:26
End at: 2018-02-28 07:25:56
Local clock offset: -6.853 ms
Remote clock offset: -6.414 ms

Below is generated by plot.py at 2018-02-28 08:30:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 112.806 ms
Loss rate: 5.14%
-- Flow 1:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 112.196 ms
Loss rate: 3.78%
-- Flow 2:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 113.505 ms
Loss rate: 6.01%
-- Flow 3:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 112.828 ms
Loss rate: 8.02%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-28 07:49:16

End at: 2018-02-28 07:49:46

Local clock offset: -5.367 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-02-28 08:31:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.70 Mbit/s

95th percentile per-packet one-way delay: 117.386 ms

Loss rate: 5.16%

-- Flow 1:

Average throughput: 42.11 Mbit/s

95th percentile per-packet one-way delay: 117.346 ms

Loss rate: 3.99%

-- Flow 2:

Average throughput: 39.95 Mbit/s

95th percentile per-packet one-way delay: 117.464 ms

Loss rate: 6.59%

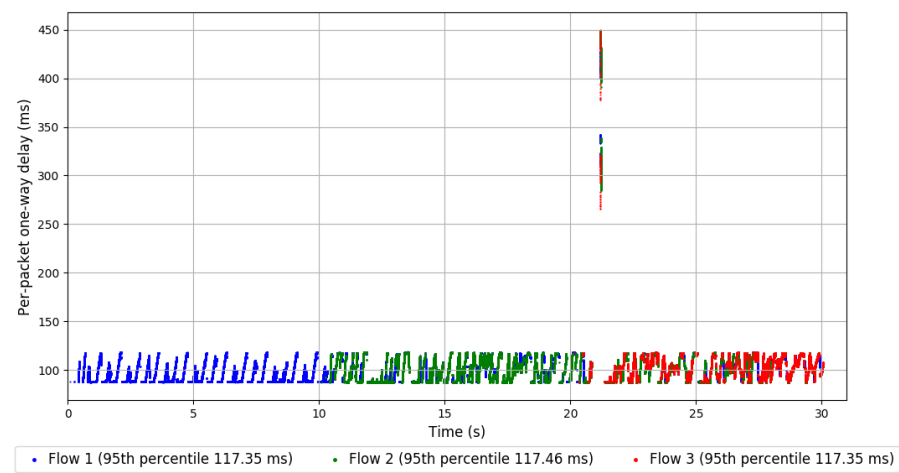
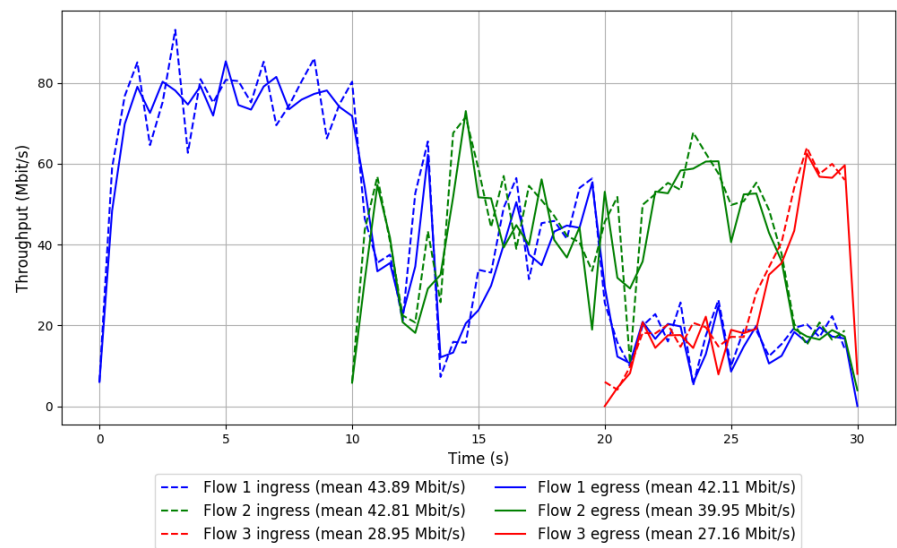
-- Flow 3:

Average throughput: 27.16 Mbit/s

95th percentile per-packet one-way delay: 117.353 ms

Loss rate: 6.28%

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

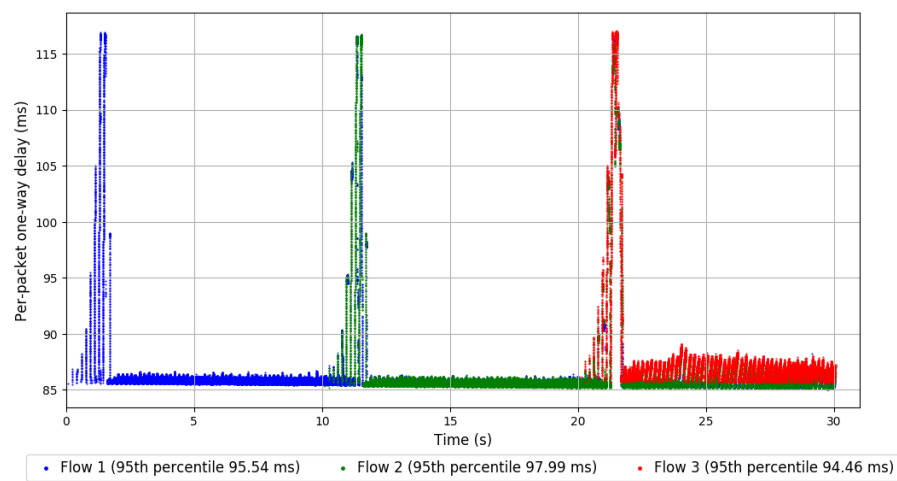
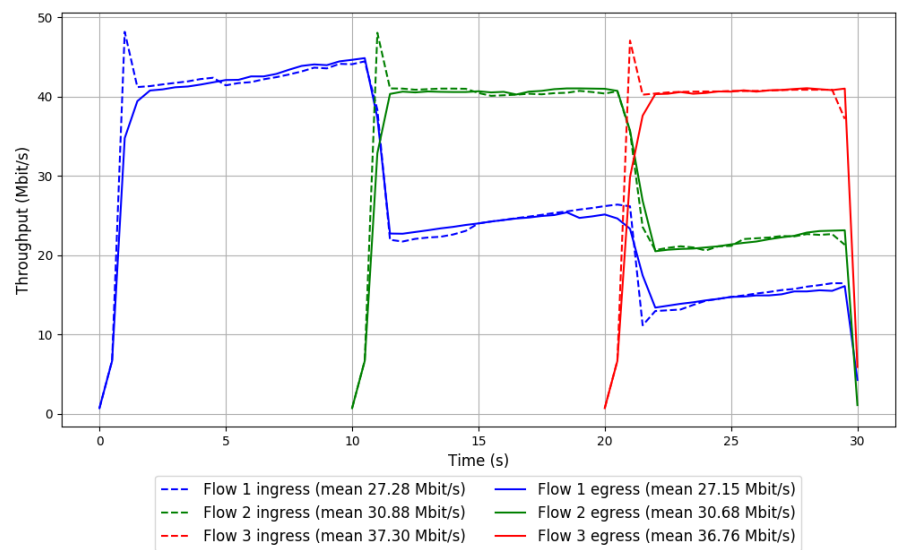


Run 1: Statistics of TCP Vegas

Start at: 2018-02-28 04:03:37
End at: 2018-02-28 04:04:07
Local clock offset: 4.959 ms
Remote clock offset: -1.075 ms

Below is generated by plot.py at 2018-02-28 08:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.79 Mbit/s
95th percentile per-packet one-way delay: 96.143 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 95.538 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 30.68 Mbit/s
95th percentile per-packet one-way delay: 97.990 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 94.461 ms
Loss rate: 1.43%

Run 1: Report of TCP Vegas — Data Link

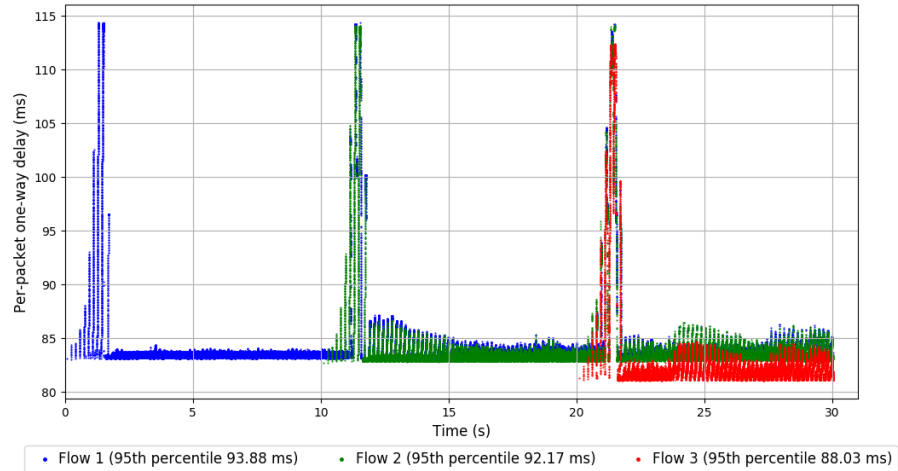
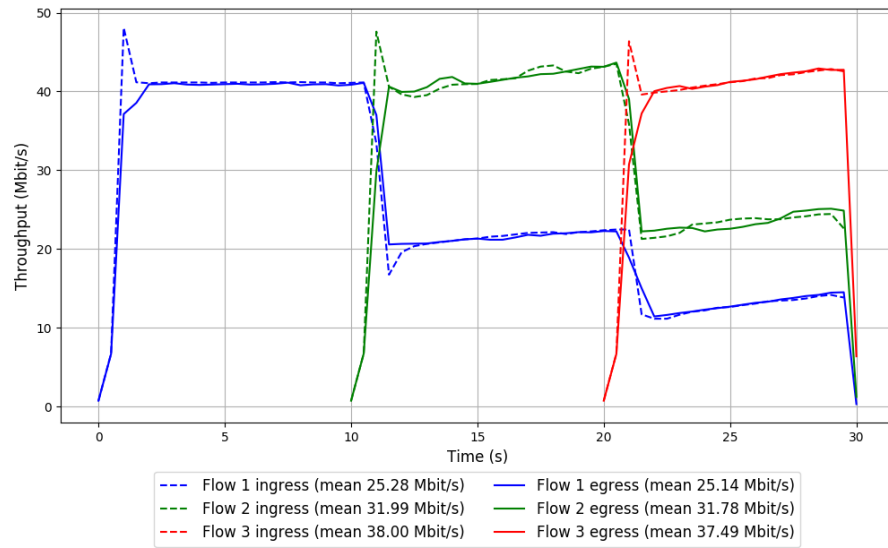


Run 2: Statistics of TCP Vegas

Start at: 2018-02-28 04:27:31
End at: 2018-02-28 04:28:01
Local clock offset: 0.291 ms
Remote clock offset: -6.054 ms

Below is generated by plot.py at 2018-02-28 08:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 92.313 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 93.875 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 92.171 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 88.026 ms
Loss rate: 1.33%

Run 2: Report of TCP Vegas — Data Link

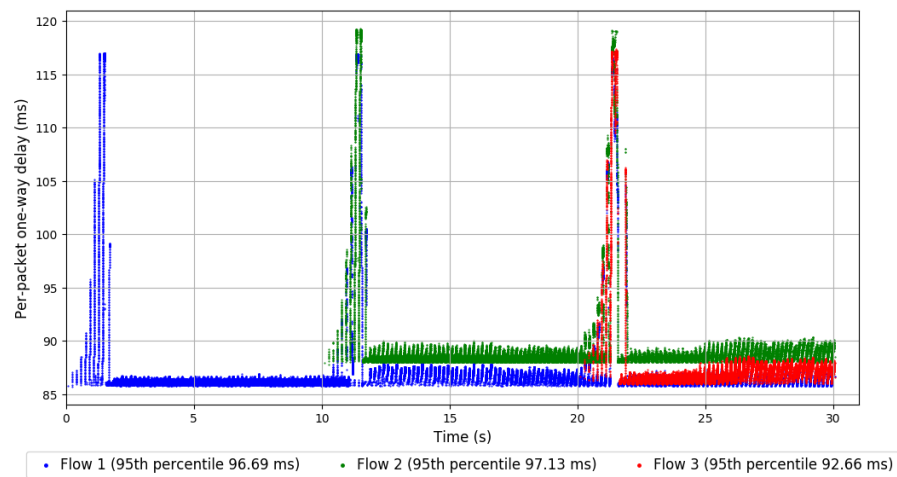
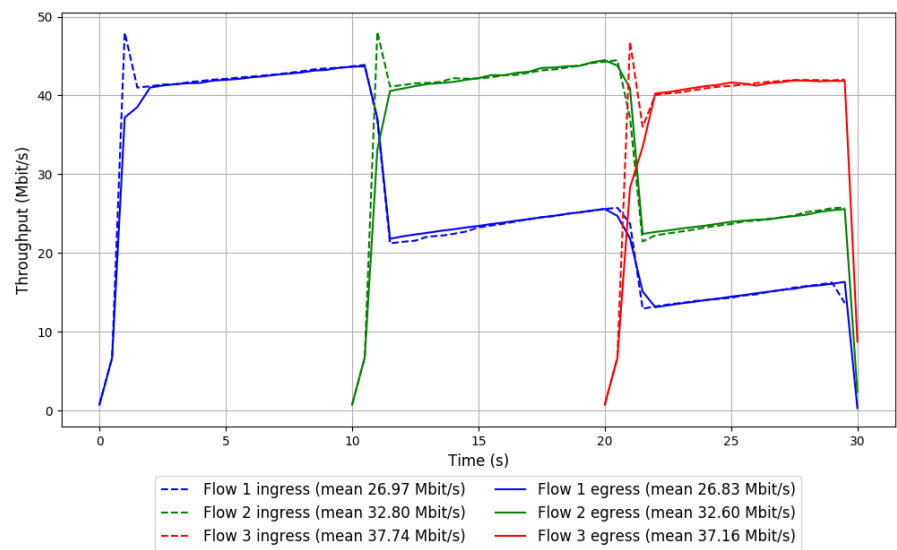


Run 3: Statistics of TCP Vegas

Start at: 2018-02-28 04:51:06
End at: 2018-02-28 04:51:36
Local clock offset: -3.598 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2018-02-28 08:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 96.272 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 96.685 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 97.134 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 92.659 ms
Loss rate: 1.54%

Run 3: Report of TCP Vegas — Data Link

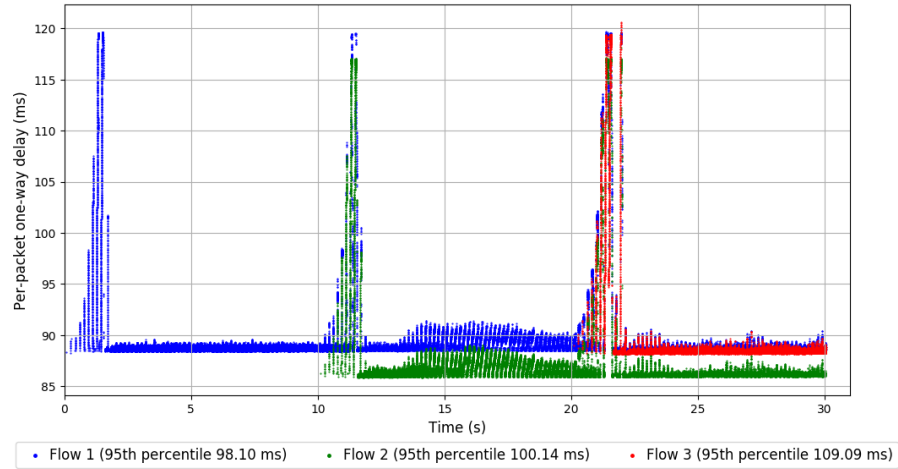
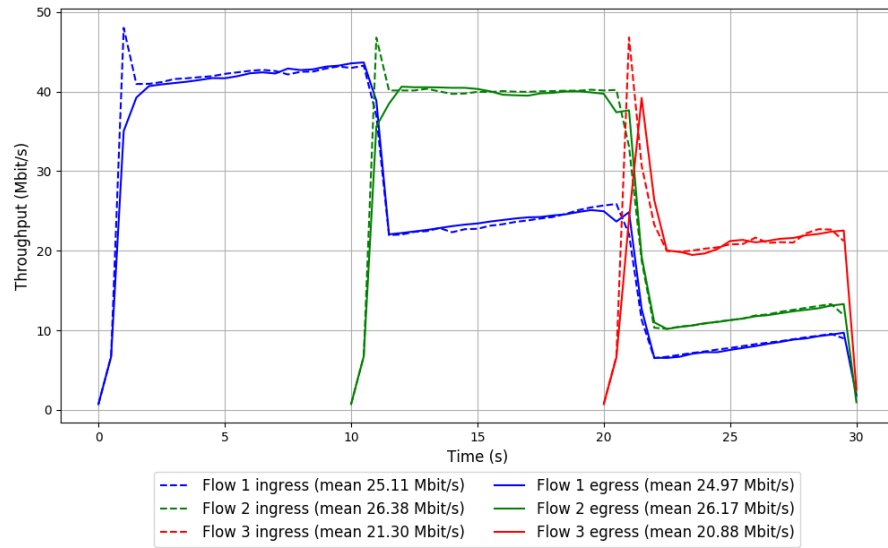


Run 4: Statistics of TCP Vegas

Start at: 2018-02-28 05:14:38
End at: 2018-02-28 05:15:08
Local clock offset: -2.866 ms
Remote clock offset: -1.218 ms

Below is generated by plot.py at 2018-02-28 08:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 100.502 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 98.096 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 100.144 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 109.086 ms
Loss rate: 1.96%

Run 4: Report of TCP Vegas — Data Link

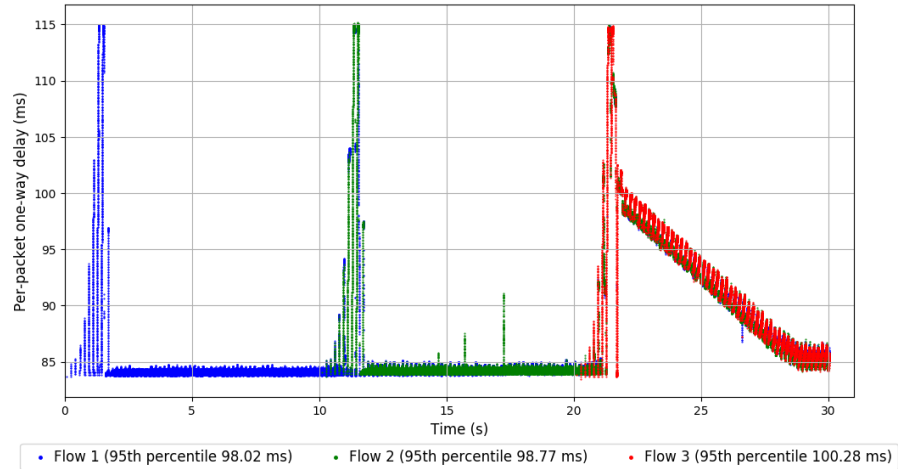
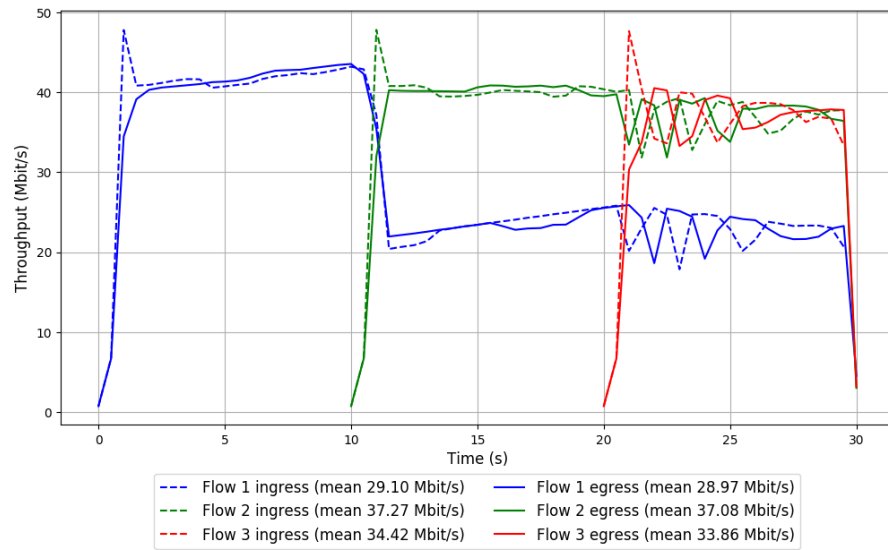


Run 5: Statistics of TCP Vegas

Start at: 2018-02-28 05:38:32
End at: 2018-02-28 05:39:02
Local clock offset: 0.328 ms
Remote clock offset: -5.565 ms

Below is generated by plot.py at 2018-02-28 08:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.87 Mbit/s
95th percentile per-packet one-way delay: 99.697 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 98.016 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 98.770 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 33.86 Mbit/s
95th percentile per-packet one-way delay: 100.278 ms
Loss rate: 1.60%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-28 06:02:12

End at: 2018-02-28 06:02:42

Local clock offset: -1.71 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-02-28 08:31:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.52 Mbit/s

95th percentile per-packet one-way delay: 99.038 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 26.58 Mbit/s

95th percentile per-packet one-way delay: 99.101 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 30.46 Mbit/s

95th percentile per-packet one-way delay: 102.272 ms

Loss rate: 0.63%

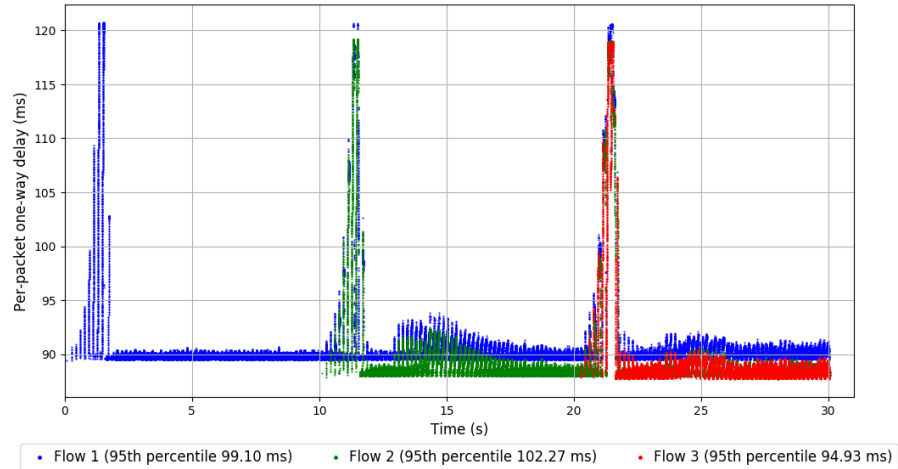
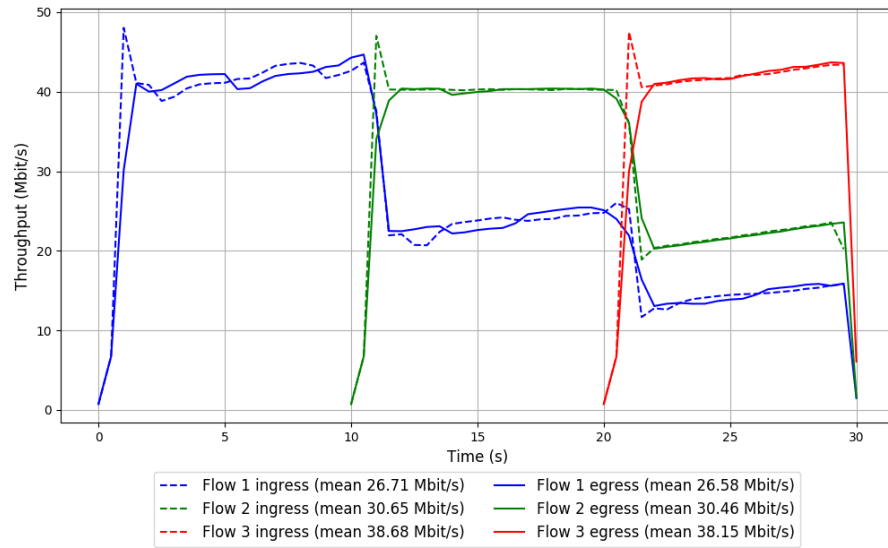
-- Flow 3:

Average throughput: 38.15 Mbit/s

95th percentile per-packet one-way delay: 94.933 ms

Loss rate: 1.36%

Run 6: Report of TCP Vegas — Data Link

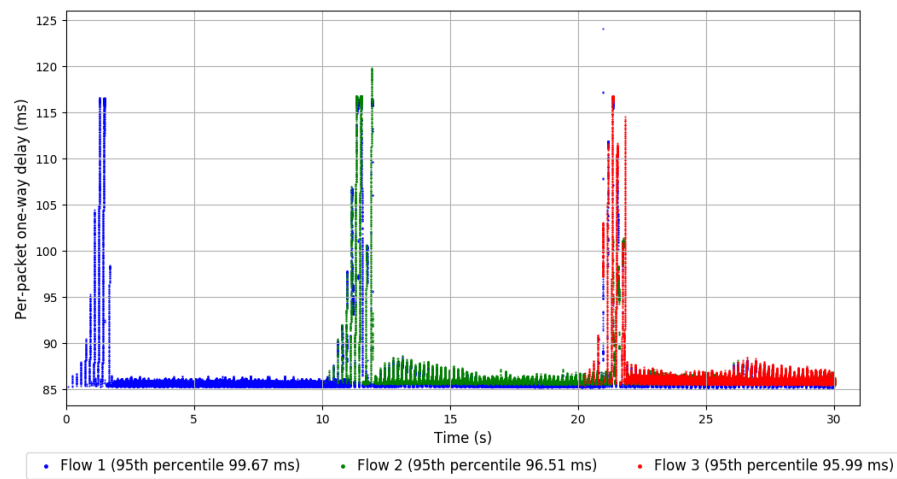
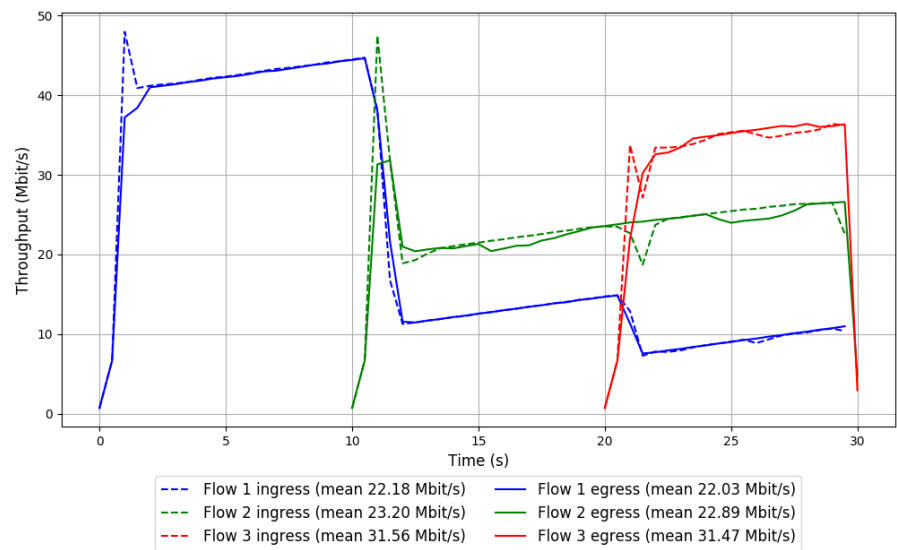


Run 7: Statistics of TCP Vegas

Start at: 2018-02-28 06:26:00
End at: 2018-02-28 06:26:30
Local clock offset: -4.154 ms
Remote clock offset: -1.425 ms

Below is generated by plot.py at 2018-02-28 08:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.65 Mbit/s
95th percentile per-packet one-way delay: 97.641 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 22.03 Mbit/s
95th percentile per-packet one-way delay: 99.668 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 96.509 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 95.988 ms
Loss rate: 0.26%

Run 7: Report of TCP Vegas — Data Link

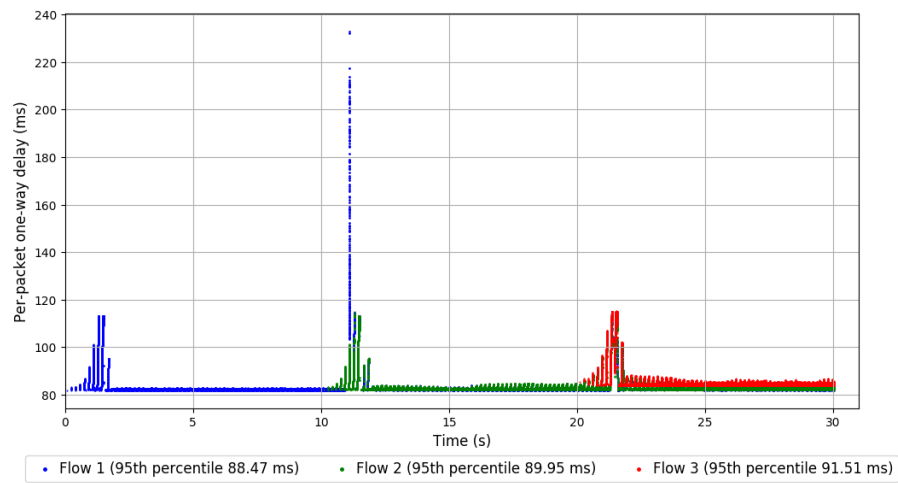
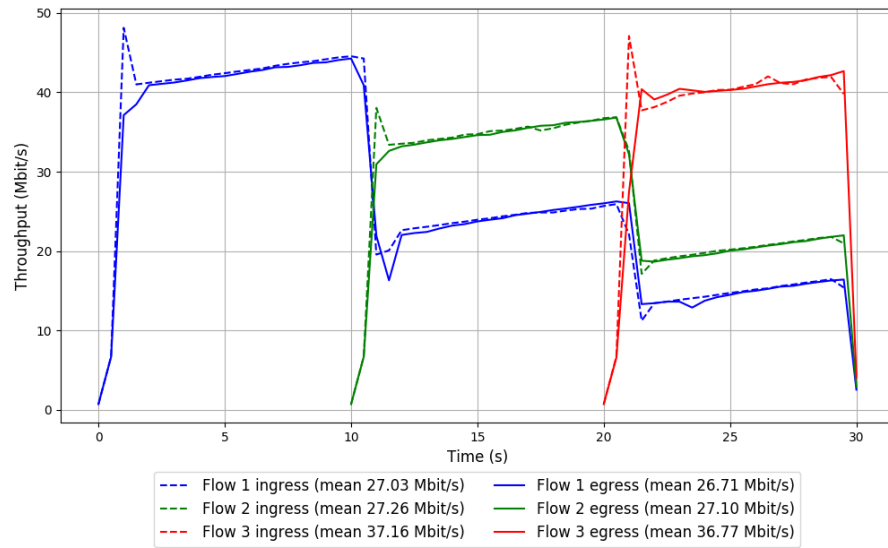


Run 8: Statistics of TCP Vegas

Start at: 2018-02-28 06:49:35
End at: 2018-02-28 06:50:05
Local clock offset: -7.264 ms
Remote clock offset: -5.486 ms

Below is generated by plot.py at 2018-02-28 08:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.97 Mbit/s
95th percentile per-packet one-way delay: 89.892 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 88.474 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 89.950 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 91.507 ms
Loss rate: 1.09%

Run 8: Report of TCP Vegas — Data Link

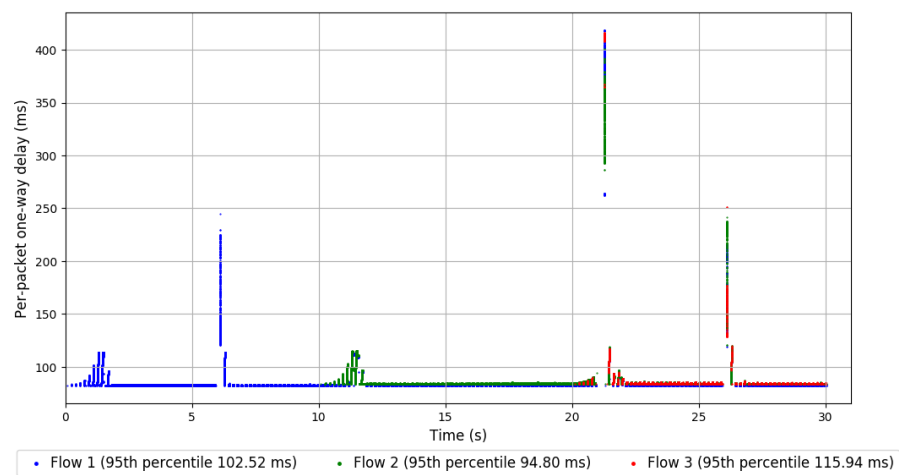
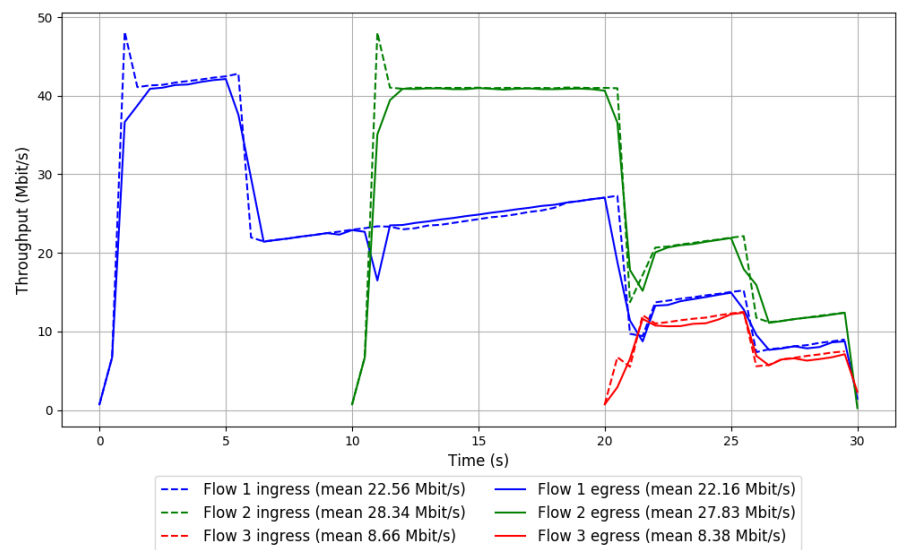


Run 9: Statistics of TCP Vegas

Start at: 2018-02-28 07:13:40
End at: 2018-02-28 07:14:10
Local clock offset: -6.689 ms
Remote clock offset: -5.507 ms

Below is generated by plot.py at 2018-02-28 08:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 98.901 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 102.520 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 27.83 Mbit/s
95th percentile per-packet one-way delay: 94.798 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 115.940 ms
Loss rate: 3.24%

Run 9: Report of TCP Vegas — Data Link

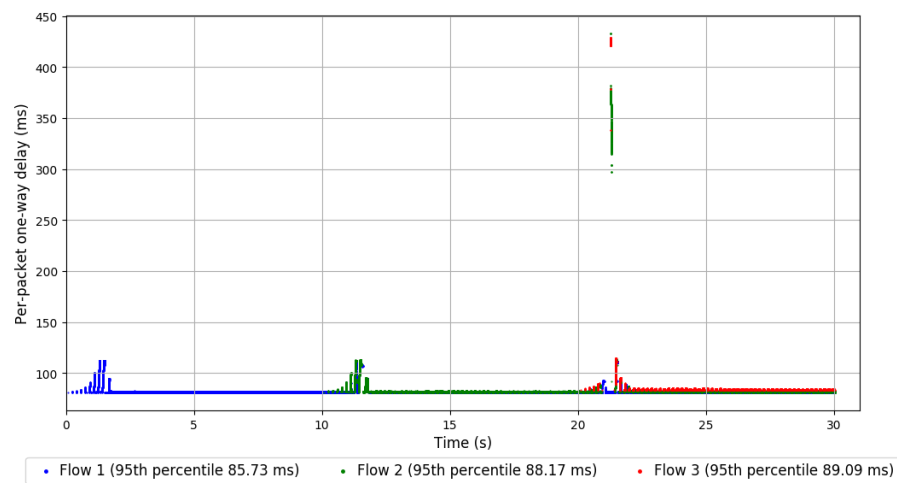
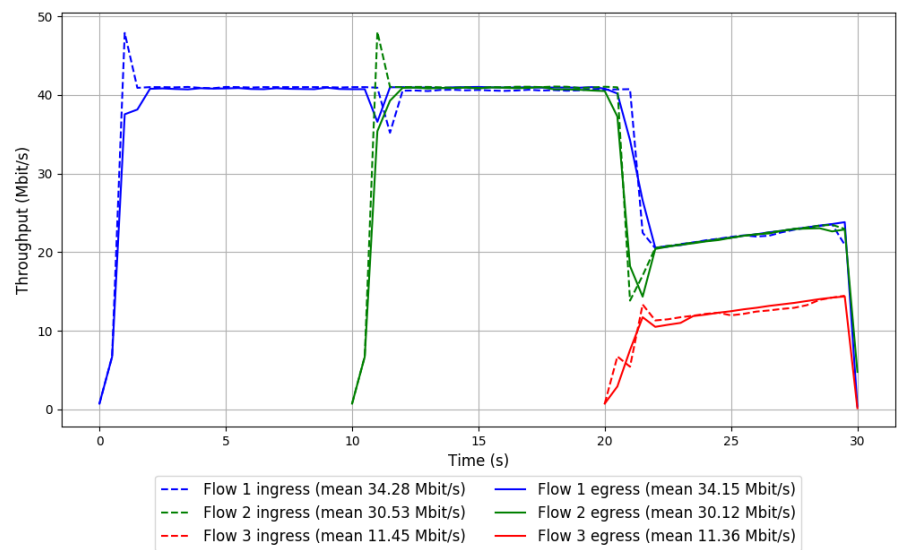


Run 10: Statistics of TCP Vegas

Start at: 2018-02-28 07:37:18
End at: 2018-02-28 07:37:48
Local clock offset: -5.809 ms
Remote clock offset: -6.472 ms

Below is generated by plot.py at 2018-02-28 08:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.97 Mbit/s
95th percentile per-packet one-way delay: 87.479 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 85.726 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 88.165 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 89.089 ms
Loss rate: 0.73%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-28 04:14:21

End at: 2018-02-28 04:14:51

Local clock offset: -0.175 ms

Remote clock offset: -5.19 ms

Below is generated by plot.py at 2018-02-28 08:31:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.59 Mbit/s

95th percentile per-packet one-way delay: 157.021 ms

Loss rate: 76.69%

-- Flow 1:

Average throughput: 17.44 Mbit/s

95th percentile per-packet one-way delay: 112.838 ms

Loss rate: 12.27%

-- Flow 2:

Average throughput: 41.57 Mbit/s

95th percentile per-packet one-way delay: 159.076 ms

Loss rate: 83.92%

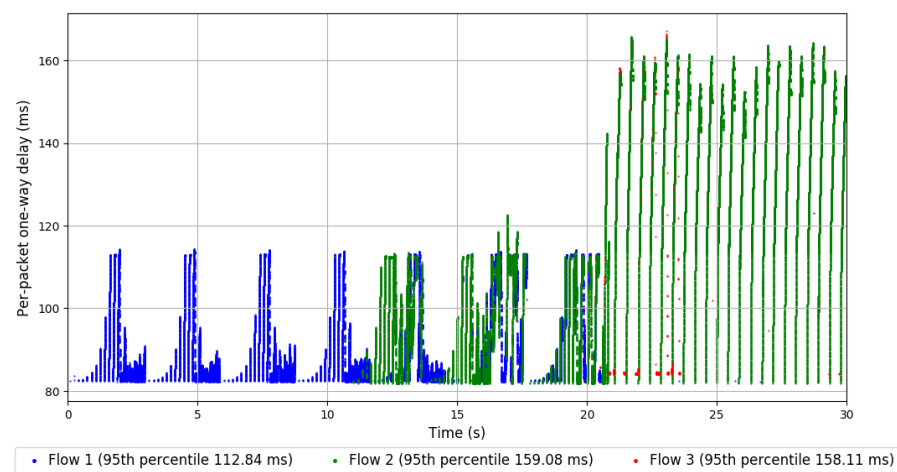
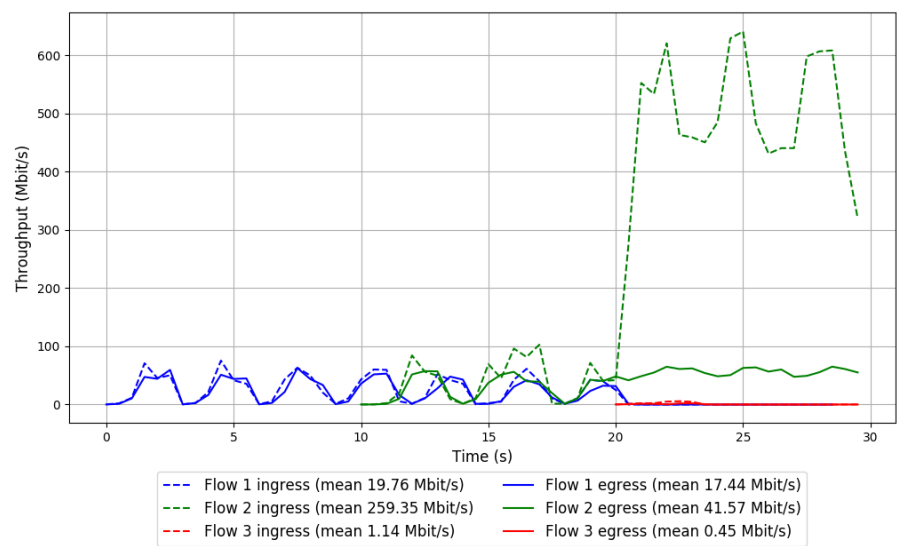
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 158.106 ms

Loss rate: 61.55%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-28 04:37:55

End at: 2018-02-28 04:38:25

Local clock offset: 2.166 ms

Remote clock offset: -5.2 ms

Below is generated by plot.py at 2018-02-28 08:31:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.39 Mbit/s

95th percentile per-packet one-way delay: 127.433 ms

Loss rate: 45.28%

-- Flow 1:

Average throughput: 21.41 Mbit/s

95th percentile per-packet one-way delay: 113.426 ms

Loss rate: 15.40%

-- Flow 2:

Average throughput: 23.41 Mbit/s

95th percentile per-packet one-way delay: 113.437 ms

Loss rate: 20.85%

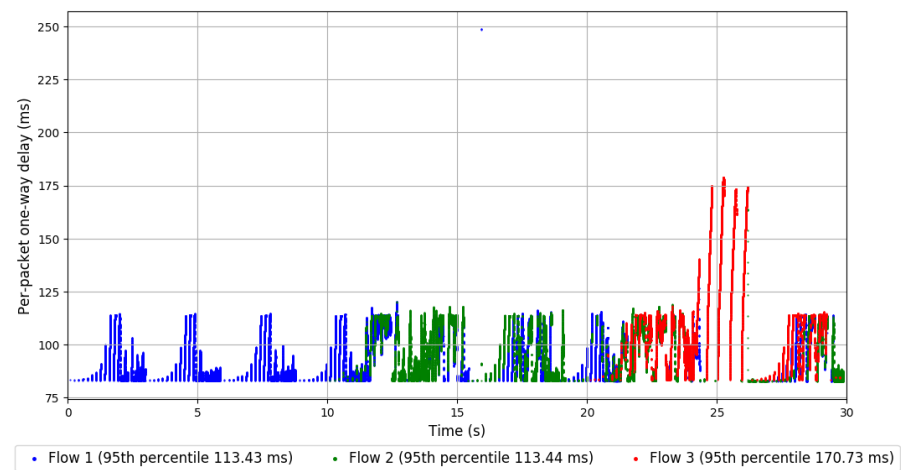
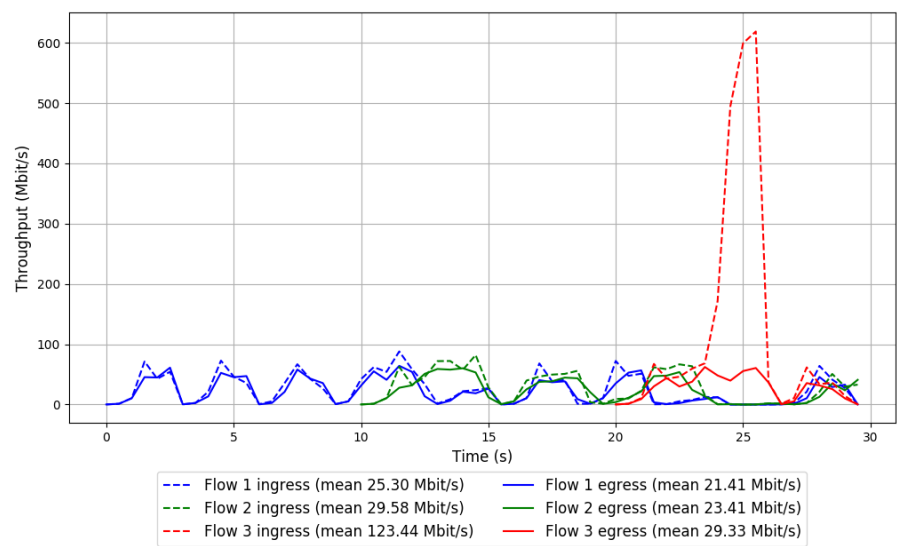
-- Flow 3:

Average throughput: 29.33 Mbit/s

95th percentile per-packet one-way delay: 170.730 ms

Loss rate: 76.24%

Run 2: Report of Verus — Data Link

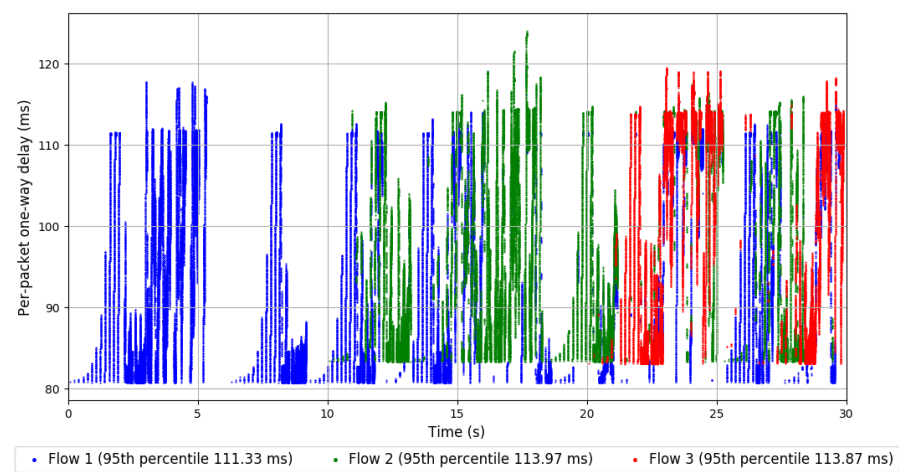
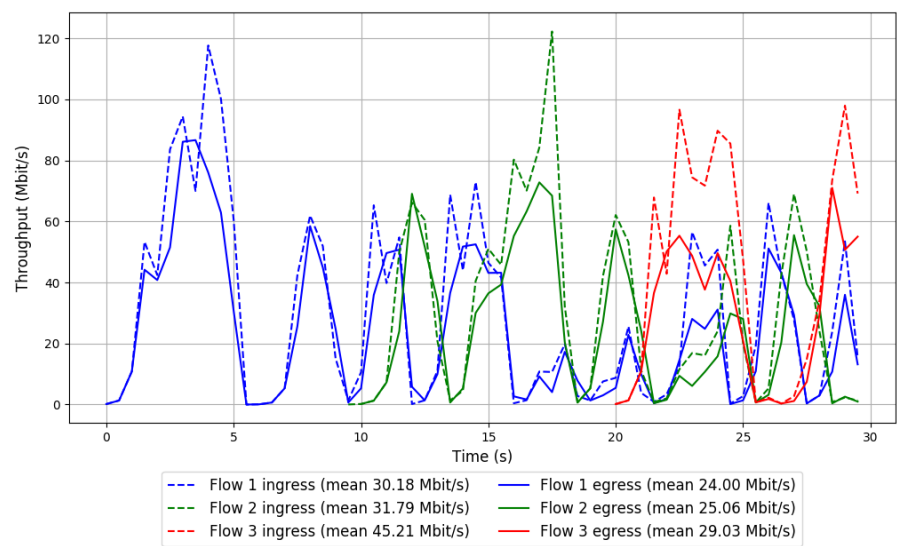


Run 3: Statistics of Verus

Start at: 2018-02-28 05:01:30
End at: 2018-02-28 05:02:00
Local clock offset: -3.927 ms
Remote clock offset: -5.988 ms

Below is generated by plot.py at 2018-02-28 08:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 113.695 ms
Loss rate: 24.04%
-- Flow 1:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 111.335 ms
Loss rate: 20.41%
-- Flow 2:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 113.966 ms
Loss rate: 21.07%
-- Flow 3:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 113.867 ms
Loss rate: 35.61%

Run 3: Report of Verus — Data Link

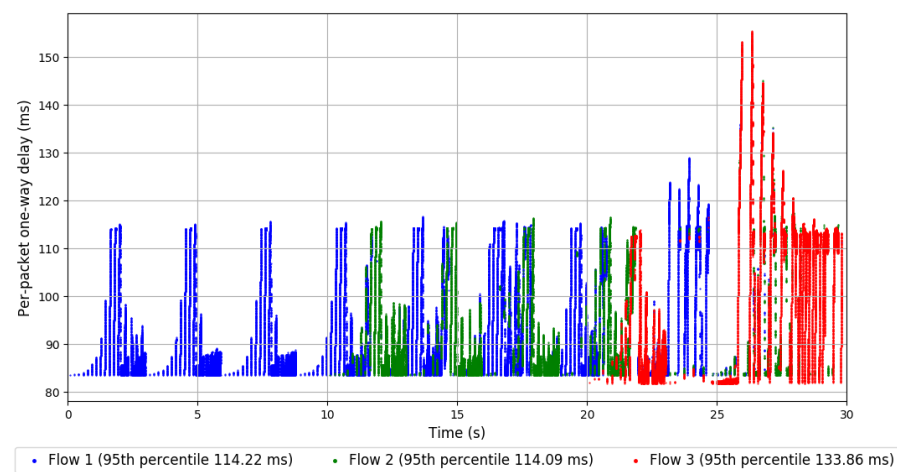
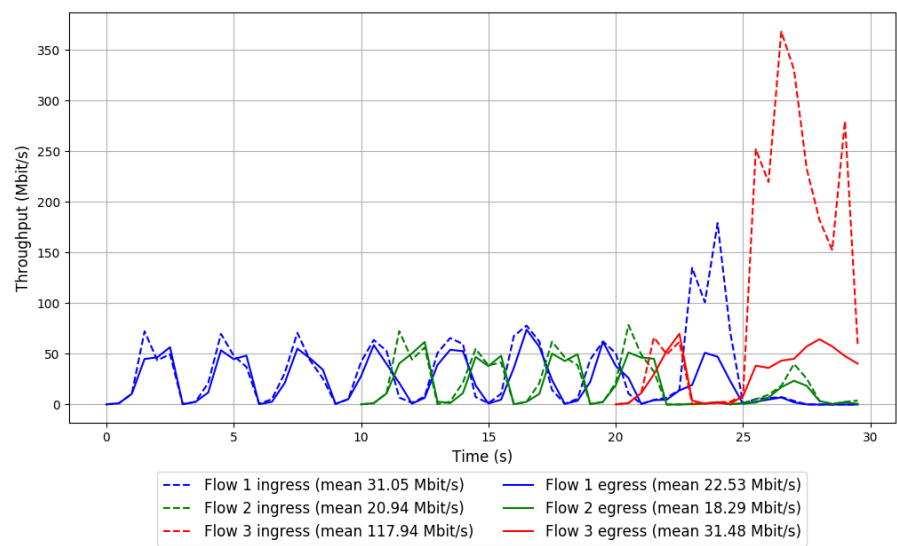


Run 4: Statistics of Verus

Start at: 2018-02-28 05:25:20
End at: 2018-02-28 05:25:50
Local clock offset: -1.169 ms
Remote clock offset: -5.368 ms

Below is generated by plot.py at 2018-02-28 08:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 115.802 ms
Loss rate: 46.09%
-- Flow 1:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 114.216 ms
Loss rate: 27.37%
-- Flow 2:
Average throughput: 18.29 Mbit/s
95th percentile per-packet one-way delay: 114.093 ms
Loss rate: 12.52%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 133.860 ms
Loss rate: 73.22%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-28 05:49:02

End at: 2018-02-28 05:49:32

Local clock offset: 0.087 ms

Remote clock offset: -5.62 ms

Below is generated by plot.py at 2018-02-28 08:32:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.33 Mbit/s

95th percentile per-packet one-way delay: 171.927 ms

Loss rate: 81.91%

-- Flow 1:

Average throughput: 12.83 Mbit/s

95th percentile per-packet one-way delay: 112.283 ms

Loss rate: 17.23%

-- Flow 2:

Average throughput: 44.27 Mbit/s

95th percentile per-packet one-way delay: 177.437 ms

Loss rate: 86.78%

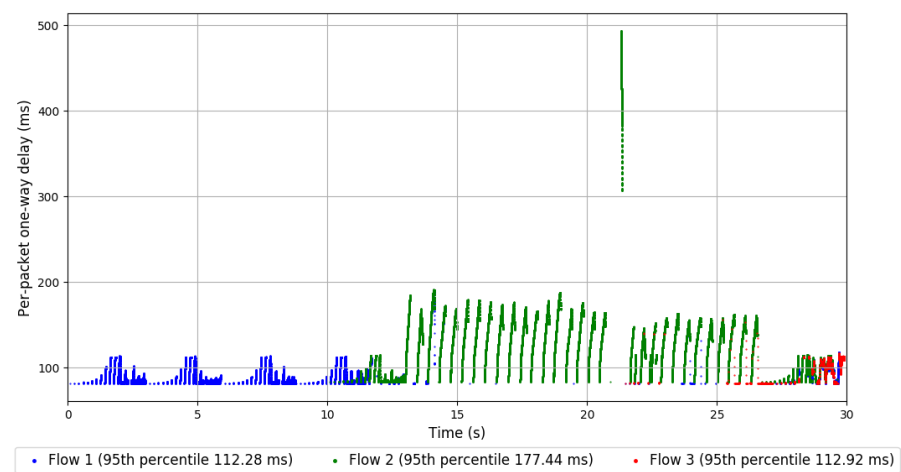
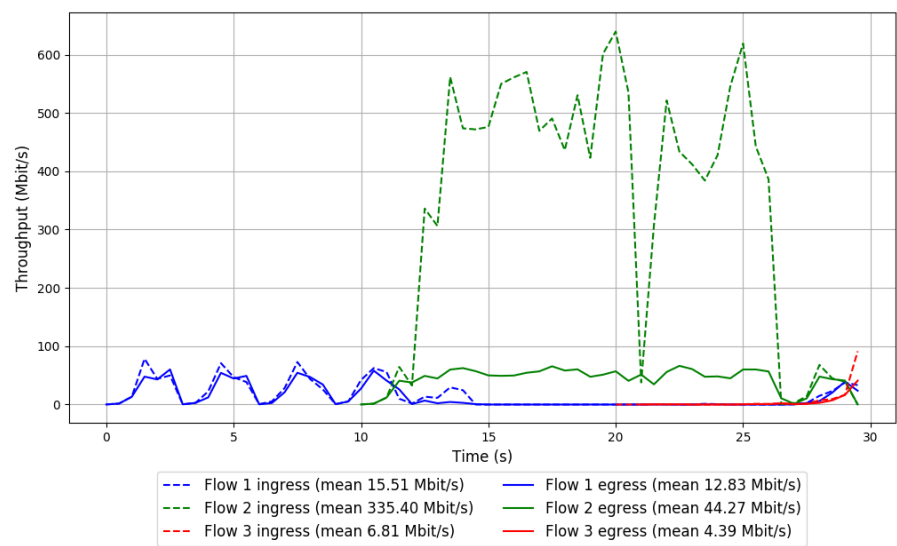
-- Flow 3:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 112.922 ms

Loss rate: 44.30%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-28 06:12:53

End at: 2018-02-28 06:13:23

Local clock offset: -1.878 ms

Remote clock offset: -0.63 ms

Below is generated by plot.py at 2018-02-28 08:32:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.49 Mbit/s

95th percentile per-packet one-way delay: 118.909 ms

Loss rate: 17.58%

-- Flow 1:

Average throughput: 22.45 Mbit/s

95th percentile per-packet one-way delay: 118.920 ms

Loss rate: 11.36%

-- Flow 2:

Average throughput: 28.68 Mbit/s

95th percentile per-packet one-way delay: 118.871 ms

Loss rate: 23.64%

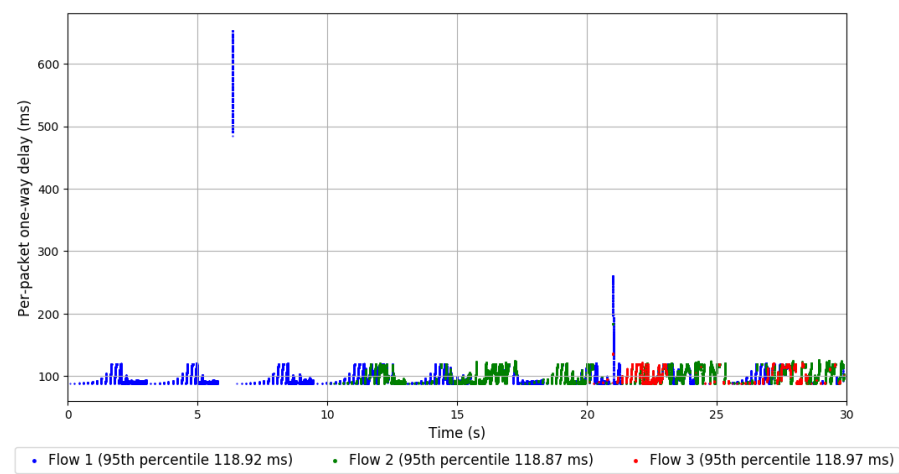
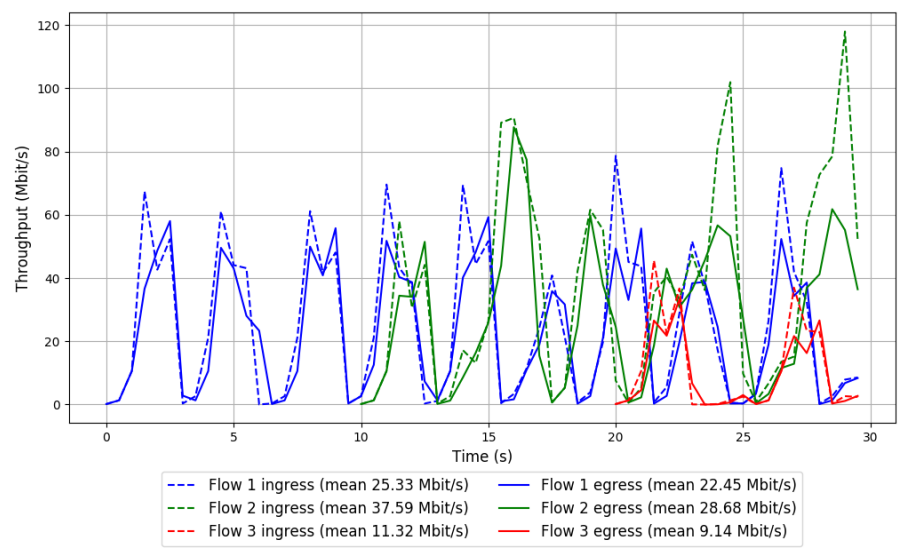
-- Flow 3:

Average throughput: 9.14 Mbit/s

95th percentile per-packet one-way delay: 118.971 ms

Loss rate: 19.25%

Run 6: Report of Verus — Data Link

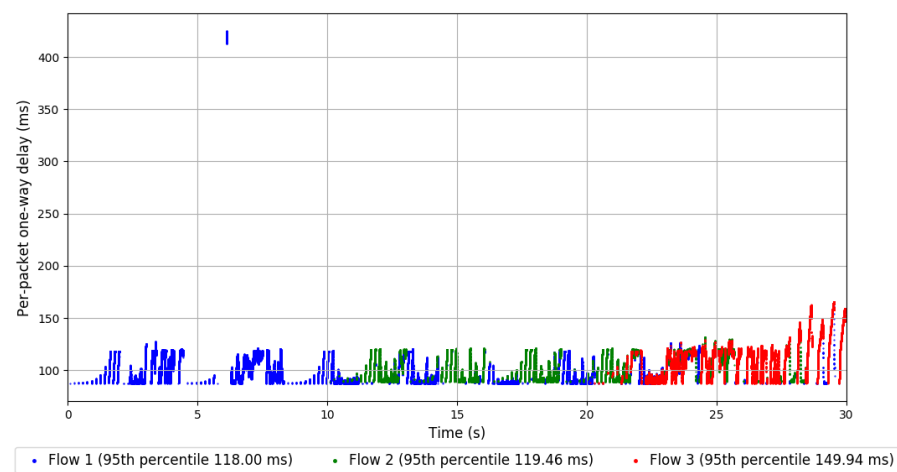
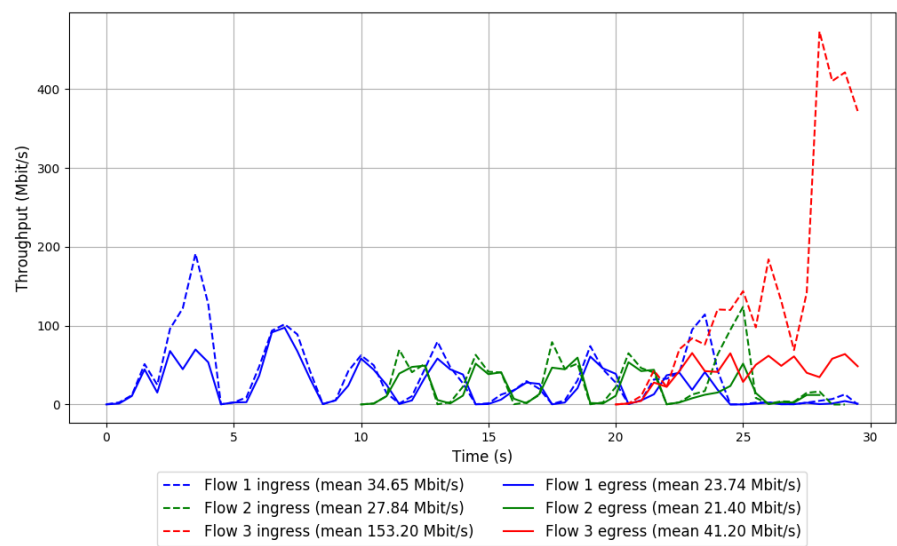


Run 7: Statistics of Verus

Start at: 2018-02-28 06:36:24
End at: 2018-02-28 06:36:54
Local clock offset: -6.205 ms
Remote clock offset: -0.636 ms

Below is generated by plot.py at 2018-02-28 08:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.44 Mbit/s
95th percentile per-packet one-way delay: 126.771 ms
Loss rate: 50.90%
-- Flow 1:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 118.004 ms
Loss rate: 31.35%
-- Flow 2:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 119.461 ms
Loss rate: 27.12%
-- Flow 3:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 149.944 ms
Loss rate: 72.94%

Run 7: Report of Verus — Data Link

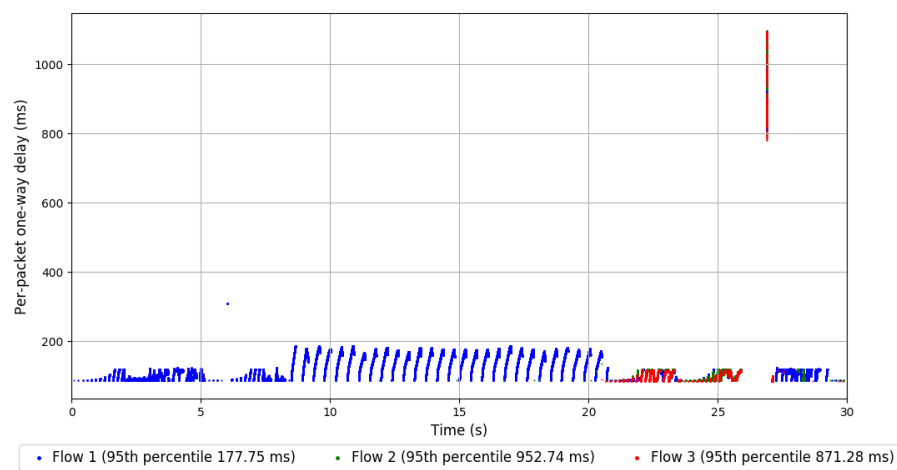
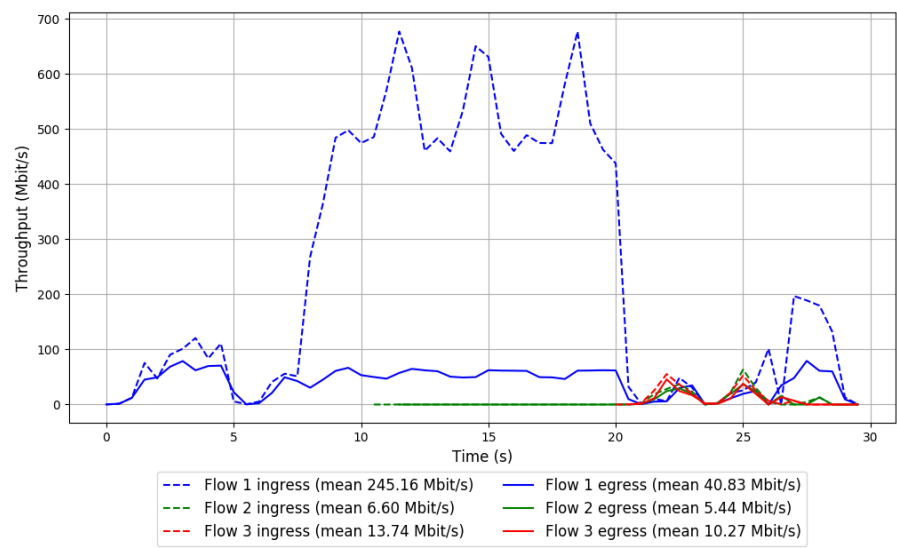


Run 8: Statistics of Verus

Start at: 2018-02-28 07:00:26
End at: 2018-02-28 07:00:56
Local clock offset: -6.902 ms
Remote clock offset: -1.533 ms

Below is generated by plot.py at 2018-02-28 08:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 178.315 ms
Loss rate: 81.33%
-- Flow 1:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 177.751 ms
Loss rate: 83.35%
-- Flow 2:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 952.739 ms
Loss rate: 21.84%
-- Flow 3:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 871.279 ms
Loss rate: 25.28%

Run 8: Report of Verus — Data Link

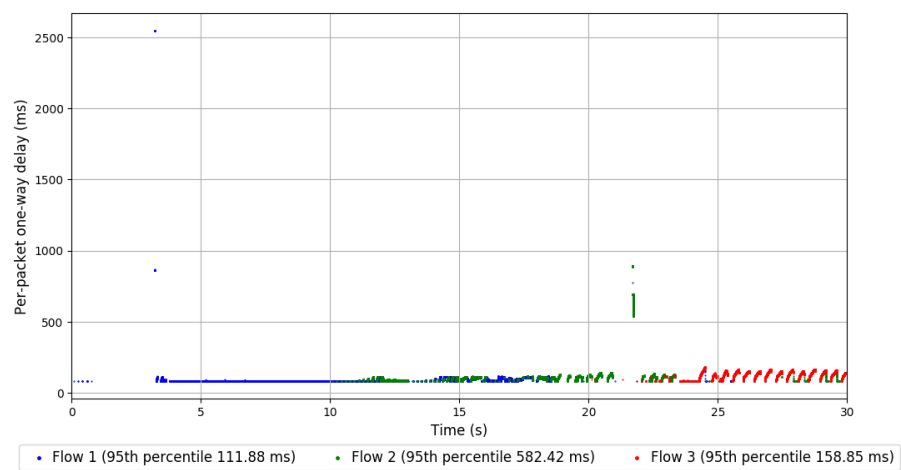
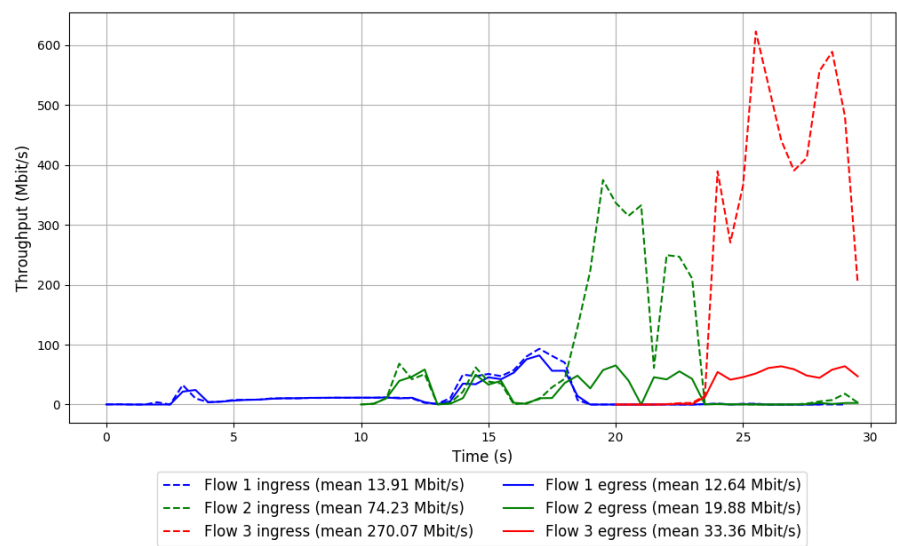


Run 9: Statistics of Verus

Start at: 2018-02-28 07:24:01
End at: 2018-02-28 07:24:31
Local clock offset: -6.831 ms
Remote clock offset: -6.469 ms

Below is generated by plot.py at 2018-02-28 08:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 155.265 ms
Loss rate: 76.07%
-- Flow 1:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 111.881 ms
Loss rate: 12.23%
-- Flow 2:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 582.417 ms
Loss rate: 73.15%
-- Flow 3:
Average throughput: 33.36 Mbit/s
95th percentile per-packet one-way delay: 158.855 ms
Loss rate: 87.59%

Run 9: Report of Verus — Data Link

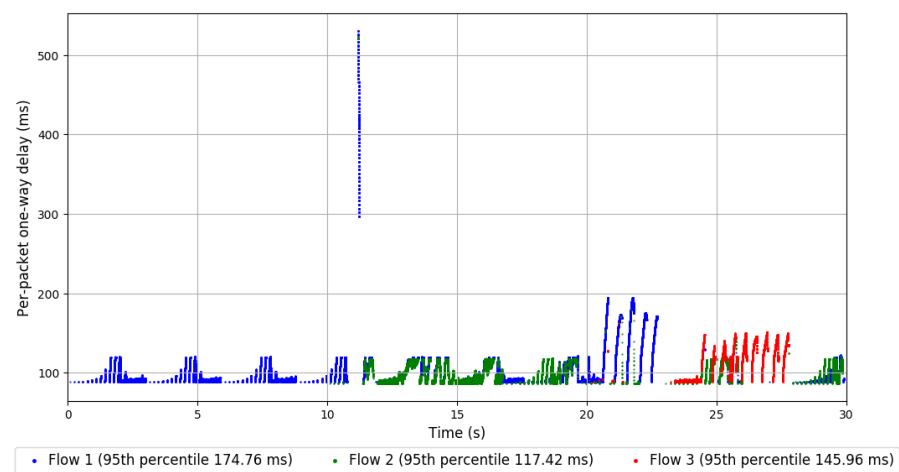
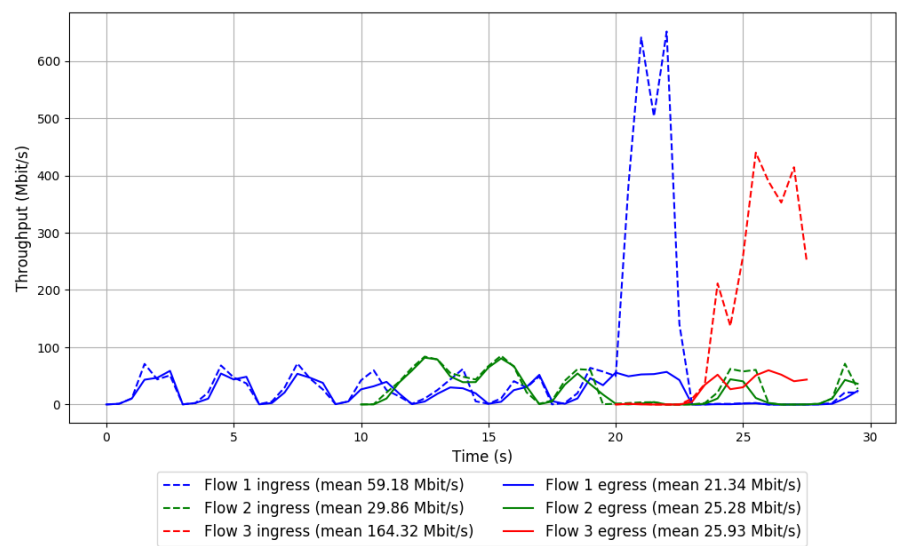


Run 10: Statistics of Verus

Start at: 2018-02-28 07:47:58
End at: 2018-02-28 07:48:28
Local clock offset: -5.34 ms
Remote clock offset: -0.732 ms

Below is generated by plot.py at 2018-02-28 08:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 161.843 ms
Loss rate: 62.99%
-- Flow 1:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 174.762 ms
Loss rate: 63.93%
-- Flow 2:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 117.423 ms
Loss rate: 15.27%
-- Flow 3:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 145.955 ms
Loss rate: 84.13%

Run 10: Report of Verus — Data Link

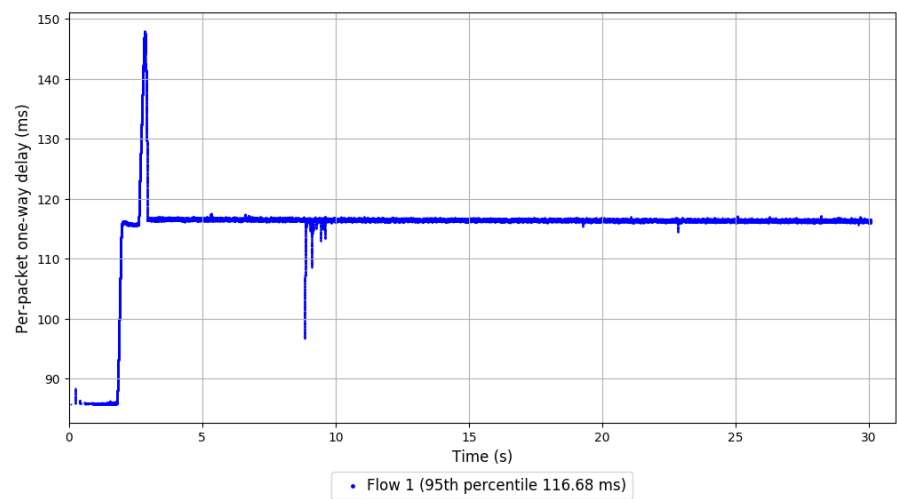
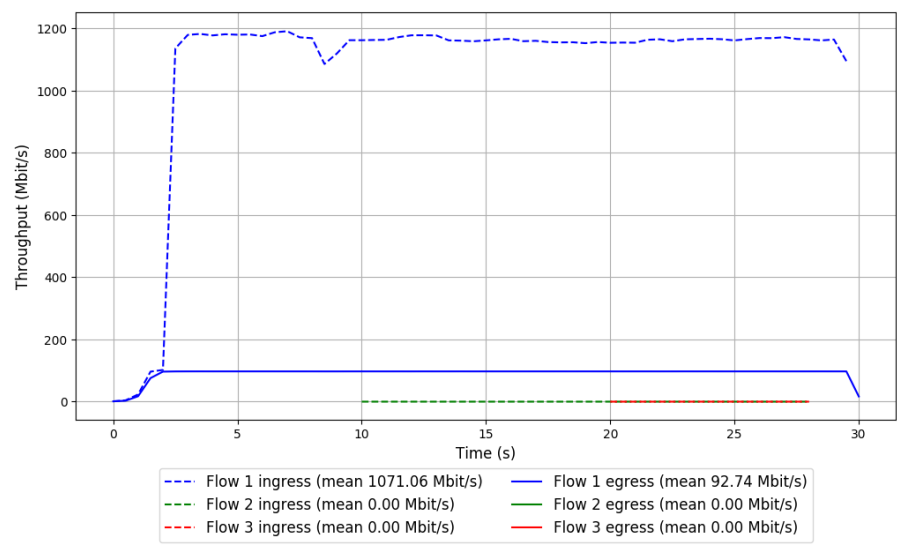


Run 1: Statistics of Copa

Start at: 2018-02-28 04:06:15
End at: 2018-02-28 04:06:45
Local clock offset: 2.934 ms
Remote clock offset: -1.158 ms

Below is generated by plot.py at 2018-02-28 08:40:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 116.677 ms
Loss rate: 91.33%
-- Flow 1:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 116.677 ms
Loss rate: 91.33%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 1: Report of Copa — Data Link

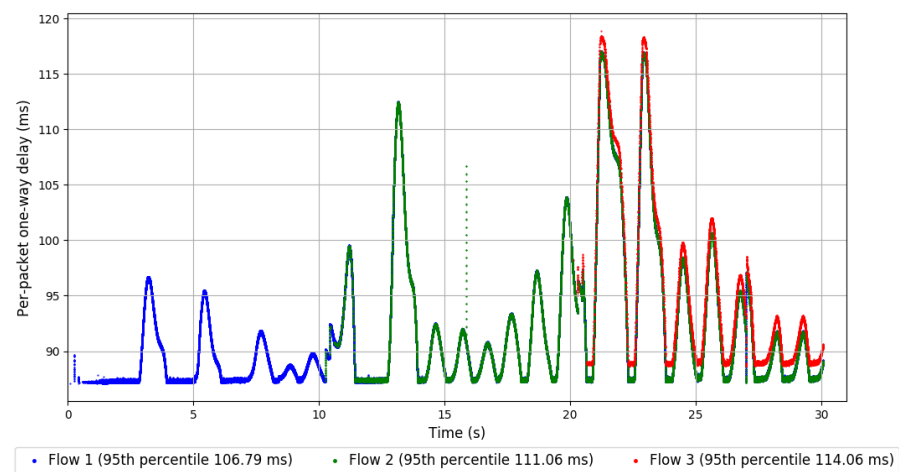
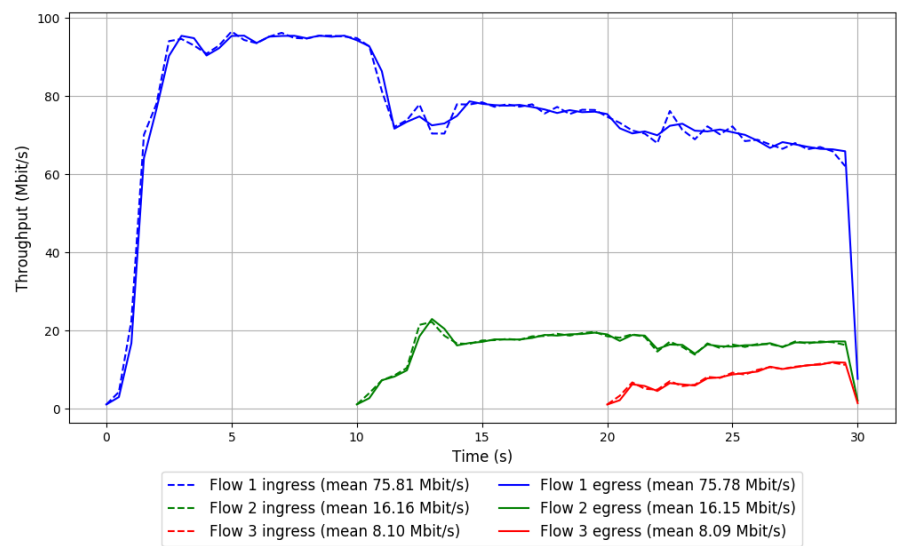


Run 2: Statistics of Copa

Start at: 2018-02-28 04:30:10
End at: 2018-02-28 04:30:40
Local clock offset: 0.729 ms
Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-02-28 08:40:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.22 Mbit/s
95th percentile per-packet one-way delay: 107.613 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 106.790 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 111.064 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 114.059 ms
Loss rate: 0.20%

Run 2: Report of Copa — Data Link

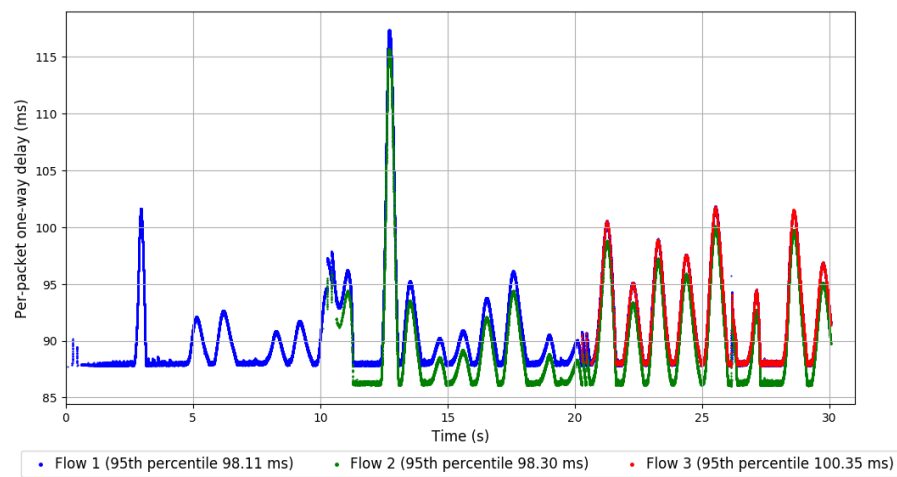
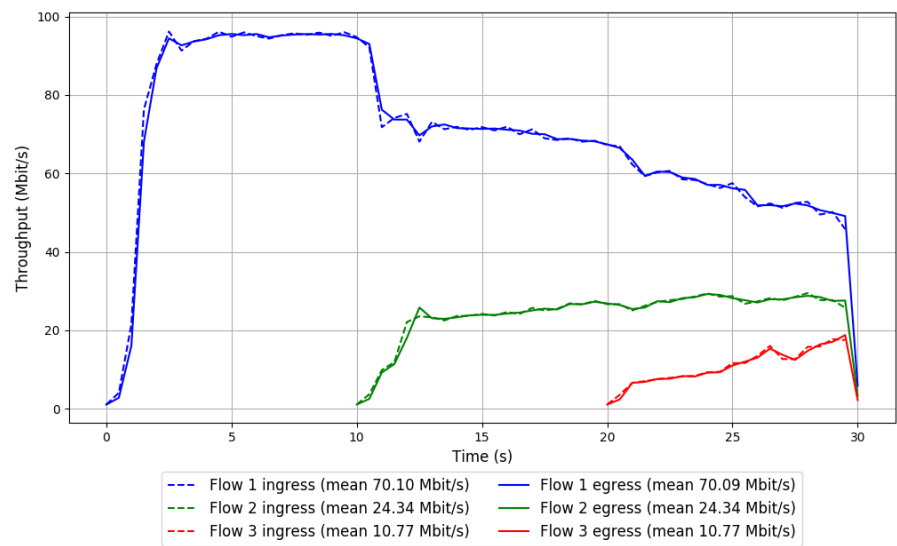


Run 3: Statistics of Copa

Start at: 2018-02-28 04:53:44
End at: 2018-02-28 04:54:14
Local clock offset: -3.816 ms
Remote clock offset: -1.257 ms

Below is generated by plot.py at 2018-02-28 08:40:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 98.366 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.09 Mbit/s
95th percentile per-packet one-way delay: 98.106 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 98.304 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 100.352 ms
Loss rate: 0.01%

Run 3: Report of Copa — Data Link

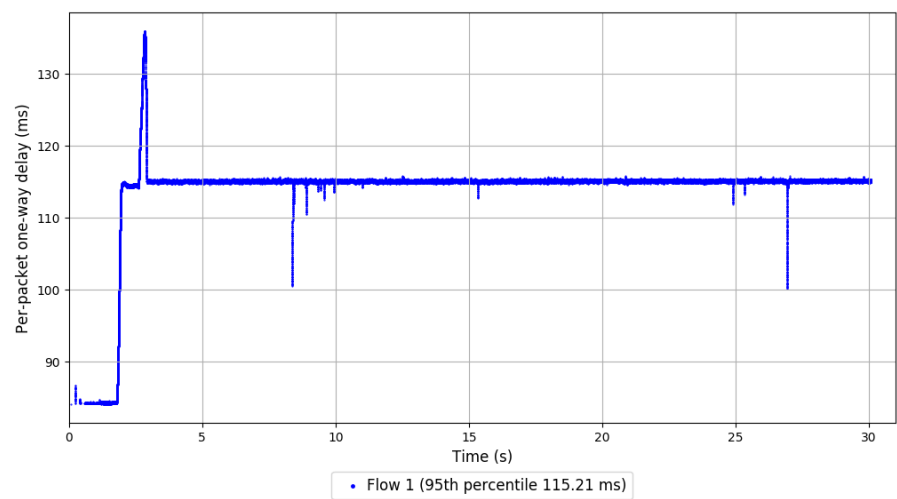
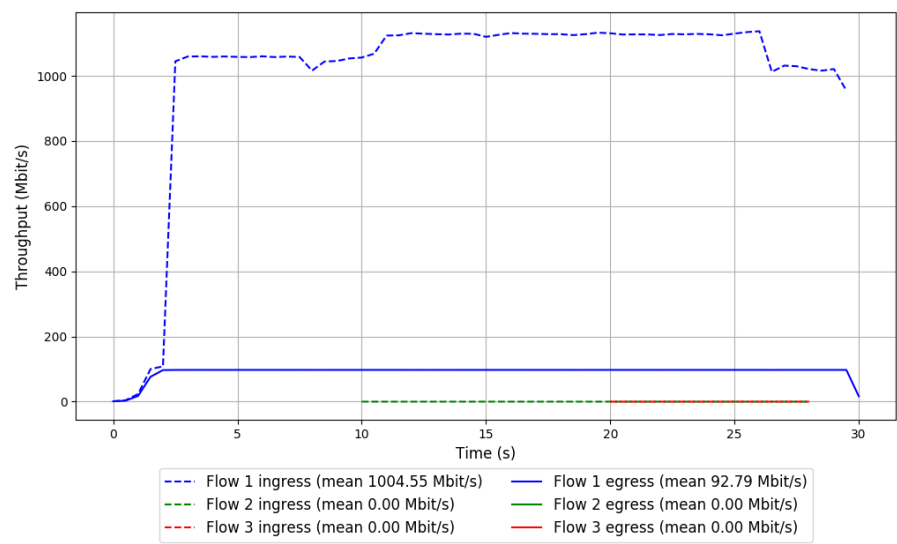


Run 4: Statistics of Copa

Start at: 2018-02-28 05:17:16
End at: 2018-02-28 05:17:46
Local clock offset: -2.378 ms
Remote clock offset: -5.228 ms

Below is generated by plot.py at 2018-02-28 08:40:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 115.210 ms
Loss rate: 90.75%
-- Flow 1:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 115.210 ms
Loss rate: 90.75%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-28 05:41:09

End at: 2018-02-28 05:41:39

Local clock offset: 0.595 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-02-28 08:40:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.13 Mbit/s

95th percentile per-packet one-way delay: 112.310 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 76.24 Mbit/s

95th percentile per-packet one-way delay: 111.933 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 13.66 Mbit/s

95th percentile per-packet one-way delay: 113.848 ms

Loss rate: 0.09%

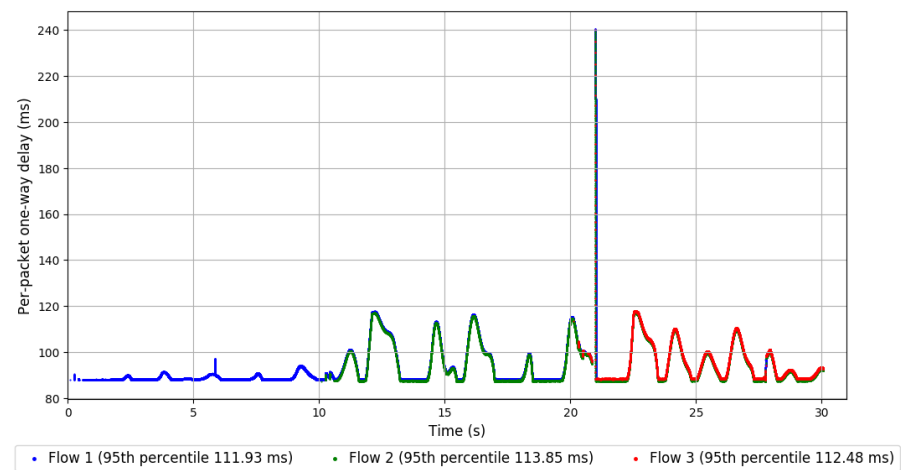
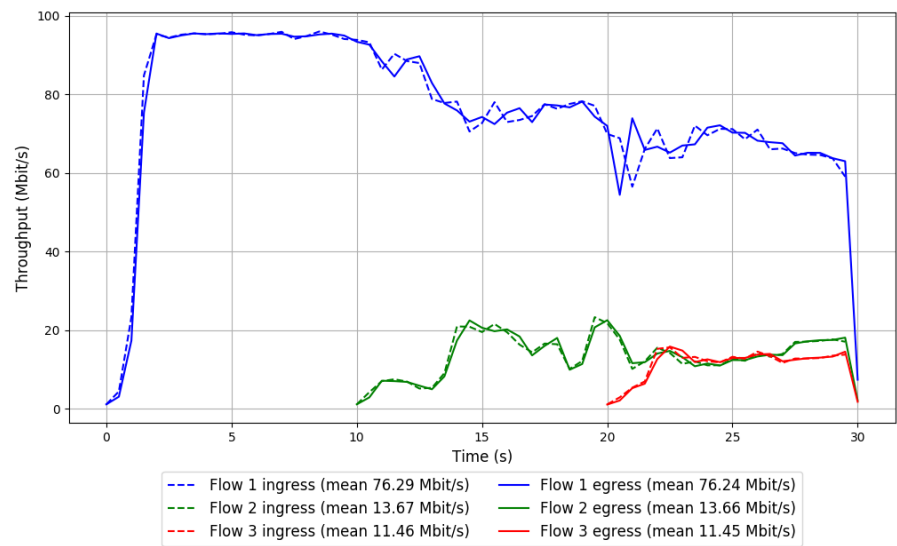
-- Flow 3:

Average throughput: 11.45 Mbit/s

95th percentile per-packet one-way delay: 112.483 ms

Loss rate: 0.27%

Run 5: Report of Copa — Data Link

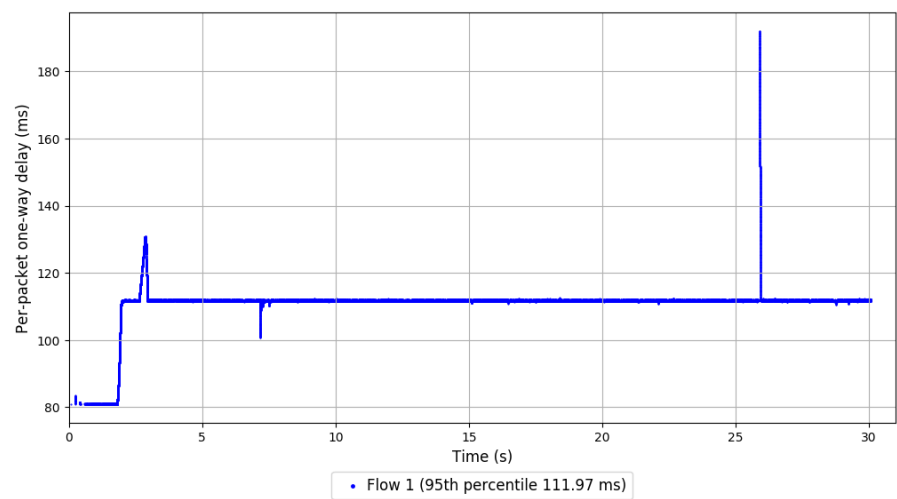
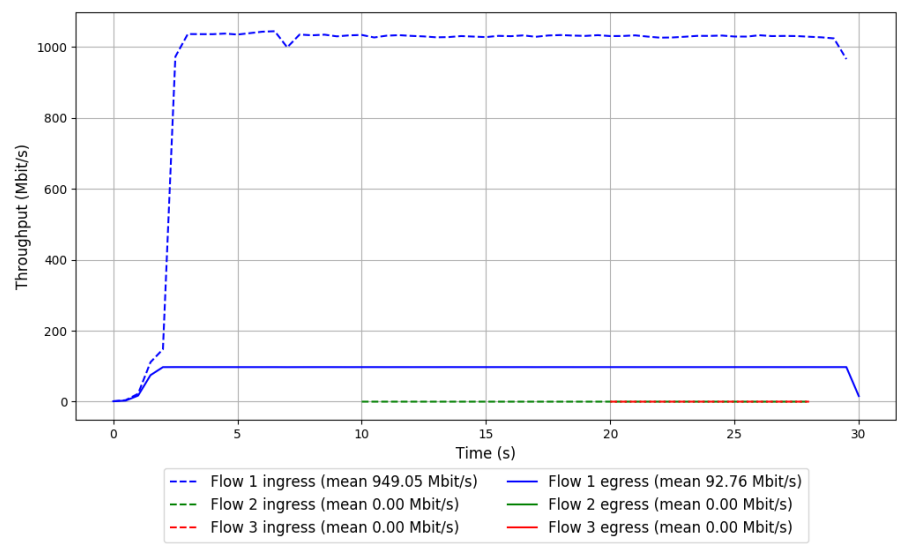


Run 6: Statistics of Copa

Start at: 2018-02-28 06:04:50
End at: 2018-02-28 06:05:20
Local clock offset: -1.793 ms
Remote clock offset: -6.318 ms

Below is generated by plot.py at 2018-02-28 08:40:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 111.975 ms
Loss rate: 90.22%
-- Flow 1:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 111.975 ms
Loss rate: 90.22%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 6: Report of Copa — Data Link

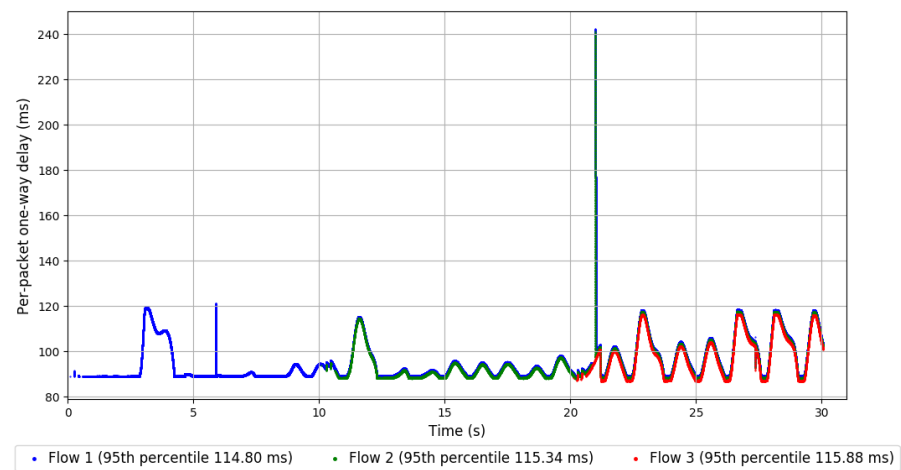
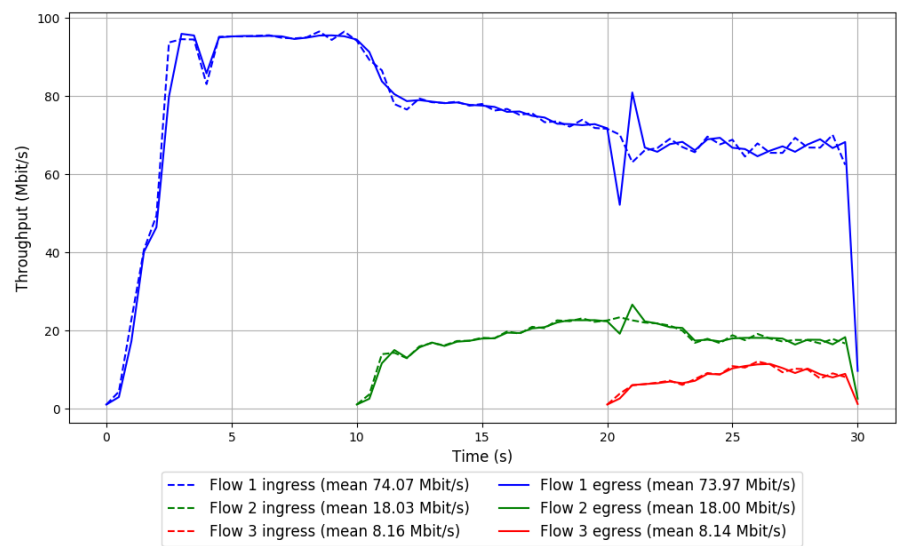


Run 7: Statistics of Copa

Start at: 2018-02-28 06:28:38
End at: 2018-02-28 06:29:08
Local clock offset: -4.883 ms
Remote clock offset: -0.606 ms

Below is generated by plot.py at 2018-02-28 08:40:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 114.947 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 73.97 Mbit/s
95th percentile per-packet one-way delay: 114.802 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 18.00 Mbit/s
95th percentile per-packet one-way delay: 115.343 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 115.876 ms
Loss rate: 0.19%

Run 7: Report of Copa — Data Link

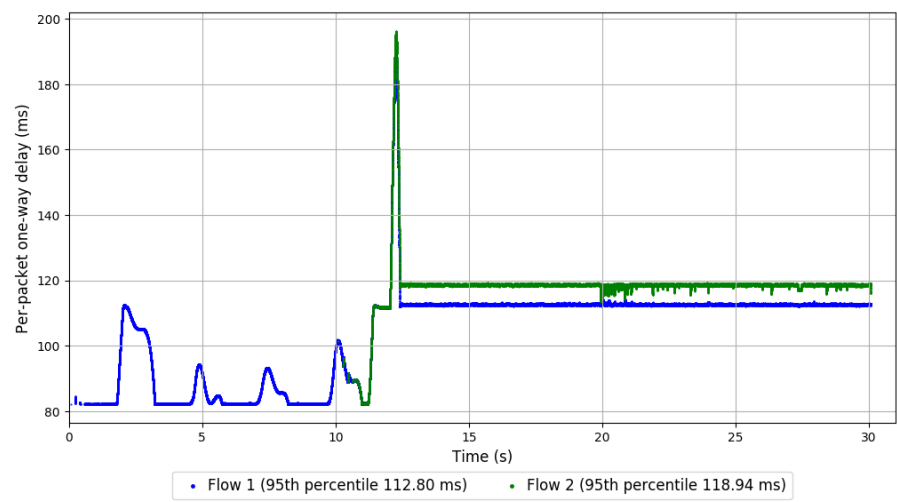
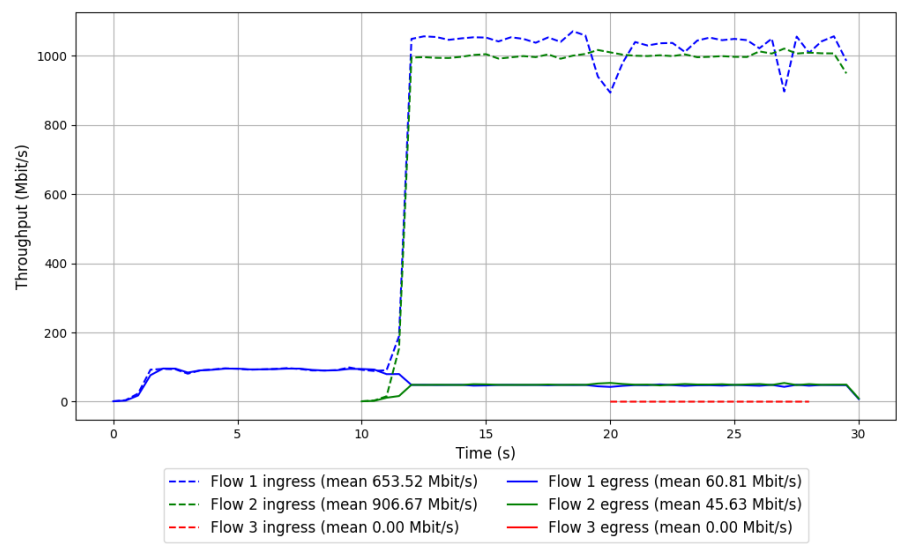


Run 8: Statistics of Copa

Start at: 2018-02-28 06:52:13
End at: 2018-02-28 06:52:43
Local clock offset: -7.352 ms
Remote clock offset: -5.539 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 118.815 ms
Loss rate: 92.74%
-- Flow 1:
Average throughput: 60.81 Mbit/s
95th percentile per-packet one-way delay: 112.800 ms
Loss rate: 90.68%
-- Flow 2:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 118.935 ms
Loss rate: 94.96%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-28 07:16:16

End at: 2018-02-28 07:16:46

Local clock offset: -6.71 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-02-28 08:43:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.01 Mbit/s

95th percentile per-packet one-way delay: 102.911 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 75.04 Mbit/s

95th percentile per-packet one-way delay: 103.096 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 15.36 Mbit/s

95th percentile per-packet one-way delay: 103.159 ms

Loss rate: 0.01%

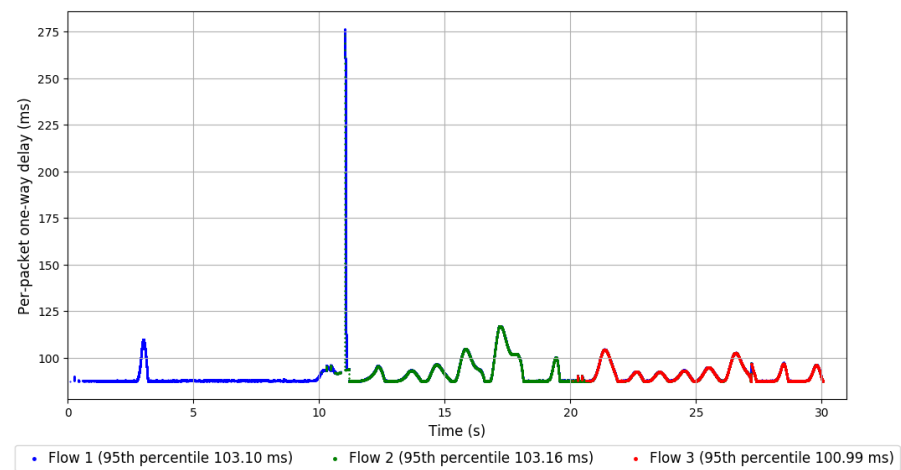
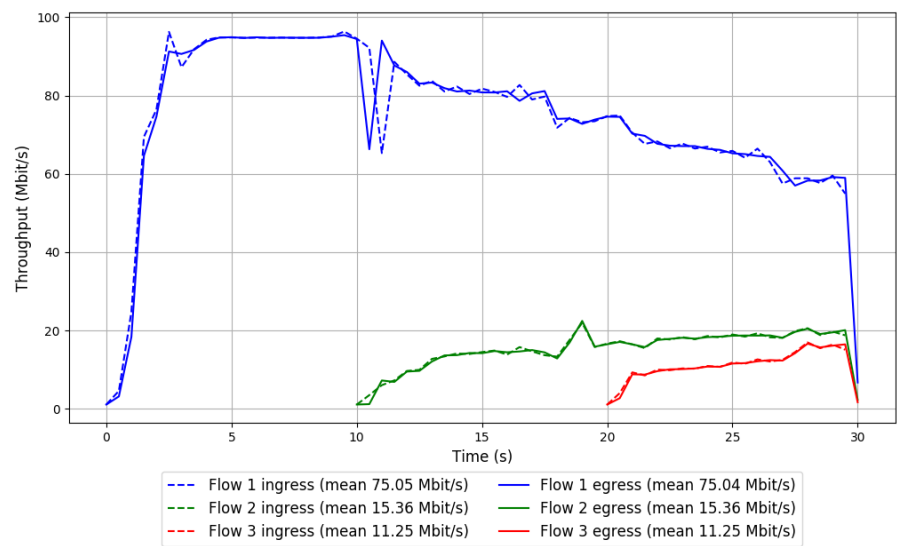
-- Flow 3:

Average throughput: 11.25 Mbit/s

95th percentile per-packet one-way delay: 100.990 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-28 07:39:56

End at: 2018-02-28 07:40:26

Local clock offset: -5.641 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-02-28 08:43:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 126.641 ms

Loss rate: 90.61%

-- Flow 1:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 126.641 ms

Loss rate: 90.61%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 118.487 ms

Loss rate: 90.00%

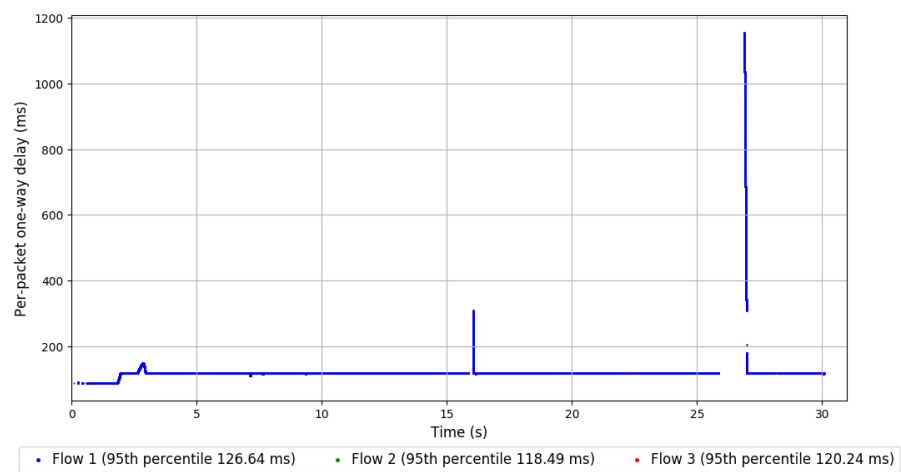
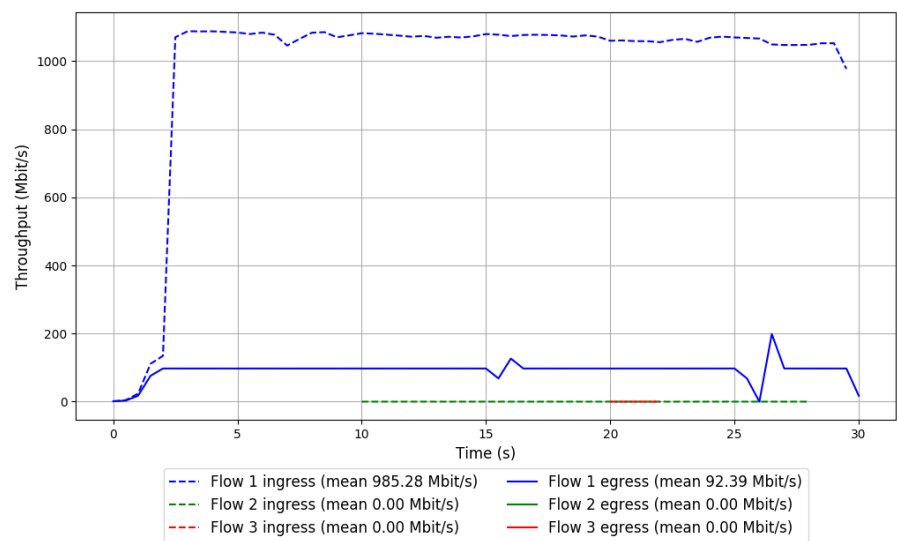
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 120.241 ms

Loss rate: 50.00%

Run 10: Report of Copa — Data Link

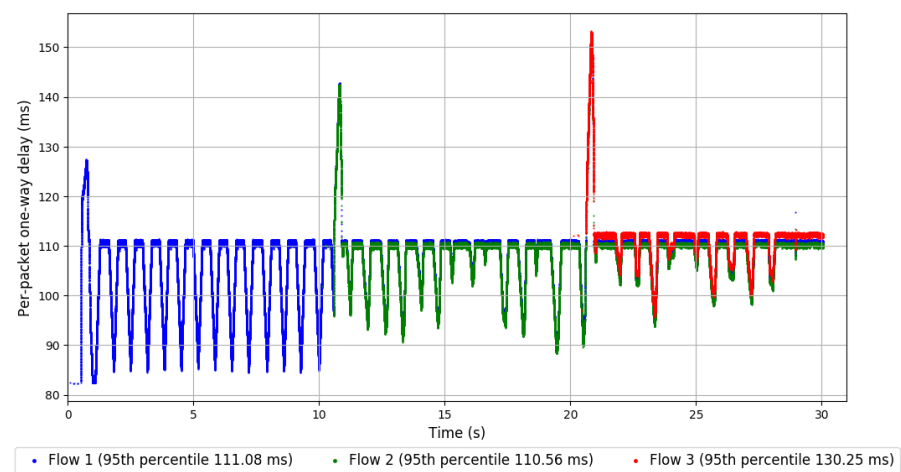
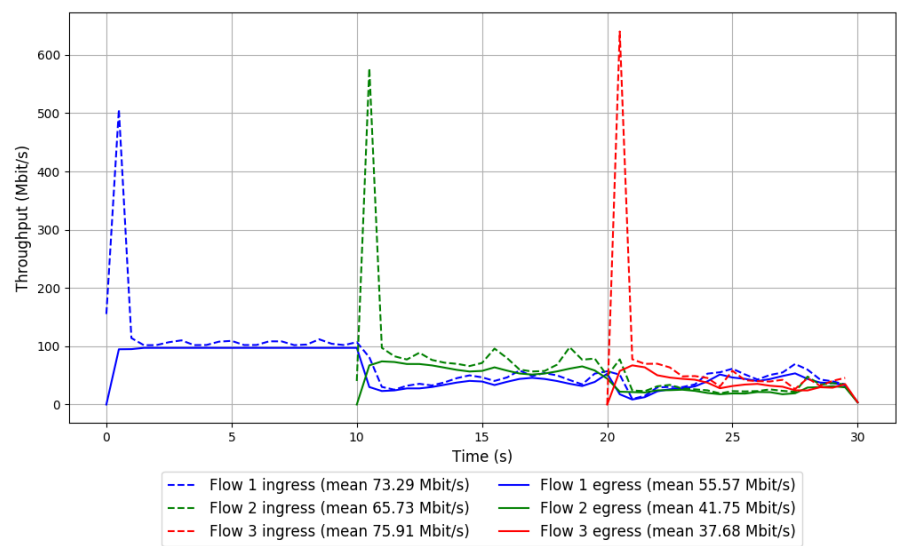


Run 1: Statistics of FillP

Start at: 2018-02-28 04:17:02
End at: 2018-02-28 04:17:32
Local clock offset: -0.37 ms
Remote clock offset: -5.118 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 112.442 ms
Loss rate: 32.55%
-- Flow 1:
Average throughput: 55.57 Mbit/s
95th percentile per-packet one-way delay: 111.080 ms
Loss rate: 24.10%
-- Flow 2:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 110.565 ms
Loss rate: 36.46%
-- Flow 3:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 130.250 ms
Loss rate: 50.37%

Run 1: Report of FillP — Data Link

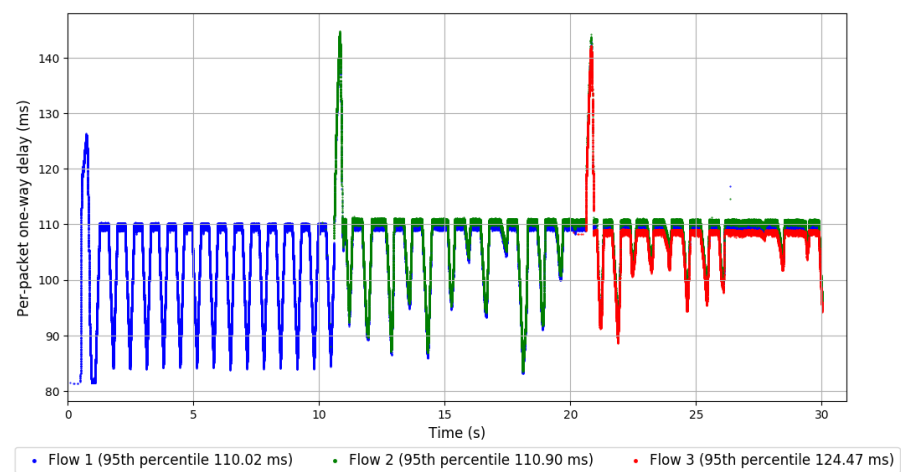
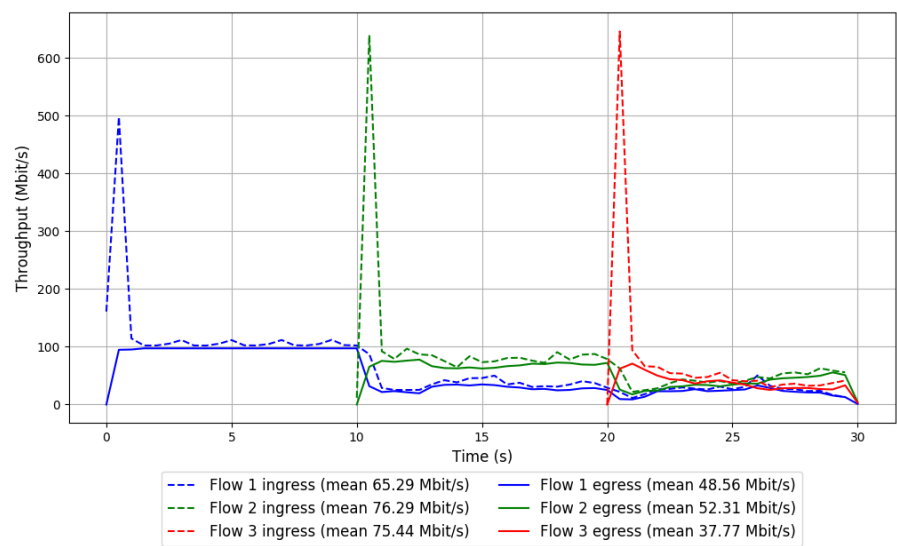


Run 2: Statistics of FillP

Start at: 2018-02-28 04:40:35
End at: 2018-02-28 04:41:05
Local clock offset: 0.034 ms
Remote clock offset: -6.053 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 110.829 ms
Loss rate: 32.04%
-- Flow 1:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 110.023 ms
Loss rate: 25.59%
-- Flow 2:
Average throughput: 52.31 Mbit/s
95th percentile per-packet one-way delay: 110.900 ms
Loss rate: 31.48%
-- Flow 3:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 124.466 ms
Loss rate: 50.01%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-28 05:04:09

End at: 2018-02-28 05:04:39

Local clock offset: -3.849 ms

Remote clock offset: 0.453 ms

Below is generated by plot.py at 2018-02-28 08:43:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 117.982 ms

Loss rate: 32.28%

-- Flow 1:

Average throughput: 63.20 Mbit/s

95th percentile per-packet one-way delay: 116.976 ms

Loss rate: 24.42%

-- Flow 2:

Average throughput: 33.66 Mbit/s

95th percentile per-packet one-way delay: 116.207 ms

Loss rate: 39.23%

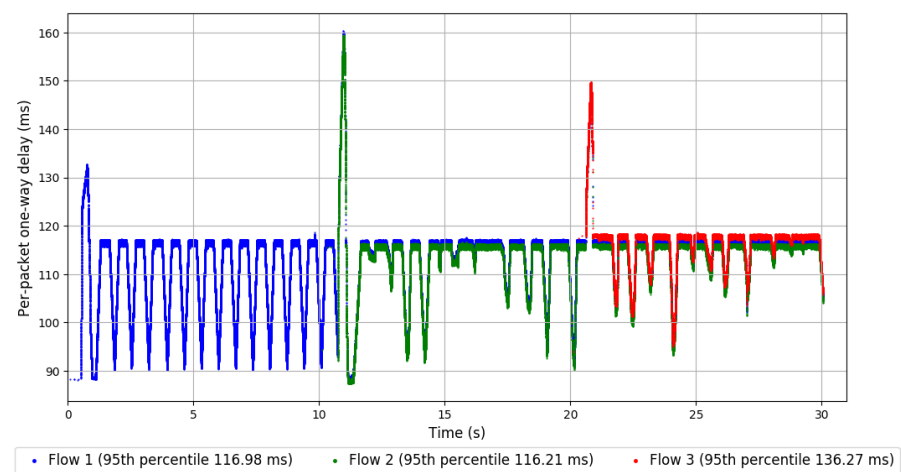
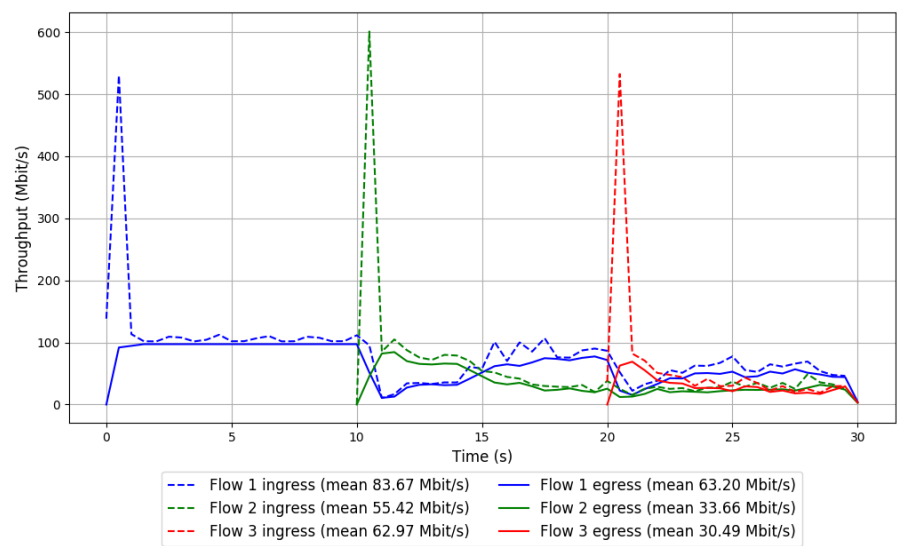
-- Flow 3:

Average throughput: 30.49 Mbit/s

95th percentile per-packet one-way delay: 136.273 ms

Loss rate: 51.52%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-28 05:27:58

End at: 2018-02-28 05:28:28

Local clock offset: -0.944 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-02-28 08:43:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 118.591 ms

Loss rate: 32.12%

-- Flow 1:

Average throughput: 46.99 Mbit/s

95th percentile per-packet one-way delay: 116.607 ms

Loss rate: 25.97%

-- Flow 2:

Average throughput: 53.46 Mbit/s

95th percentile per-packet one-way delay: 118.652 ms

Loss rate: 31.52%

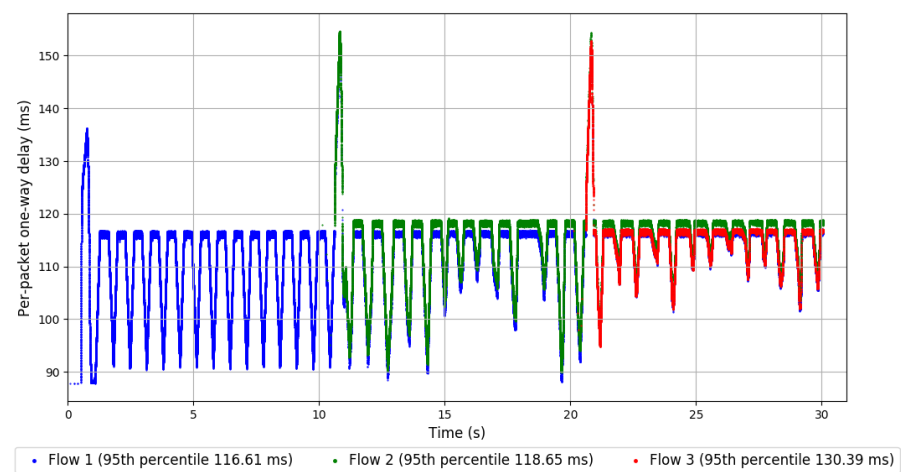
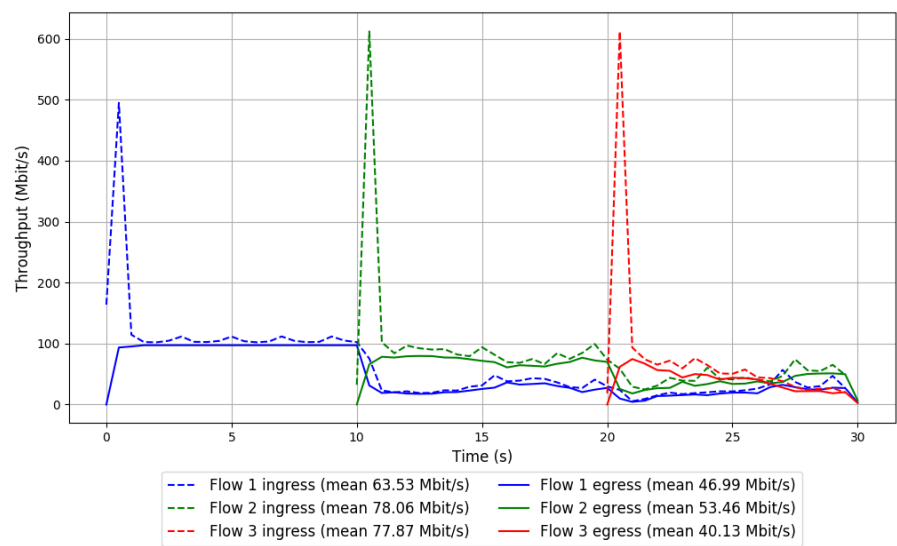
-- Flow 3:

Average throughput: 40.13 Mbit/s

95th percentile per-packet one-way delay: 130.394 ms

Loss rate: 48.46%

Run 4: Report of FillP — Data Link

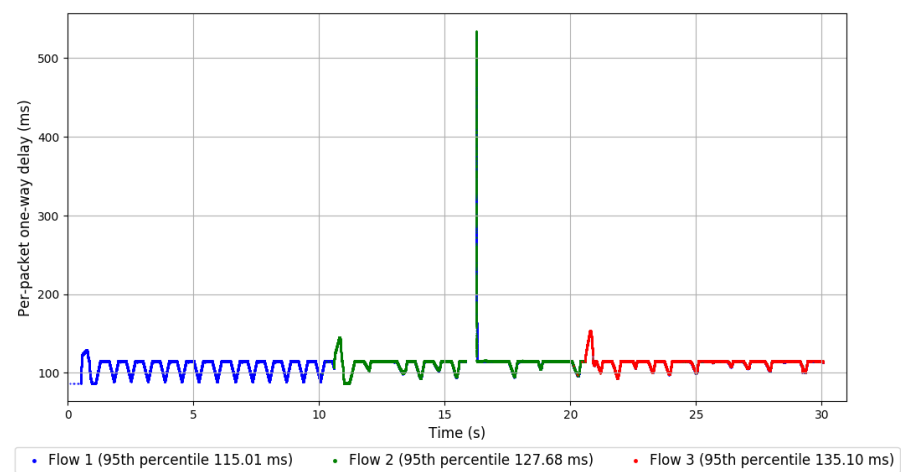
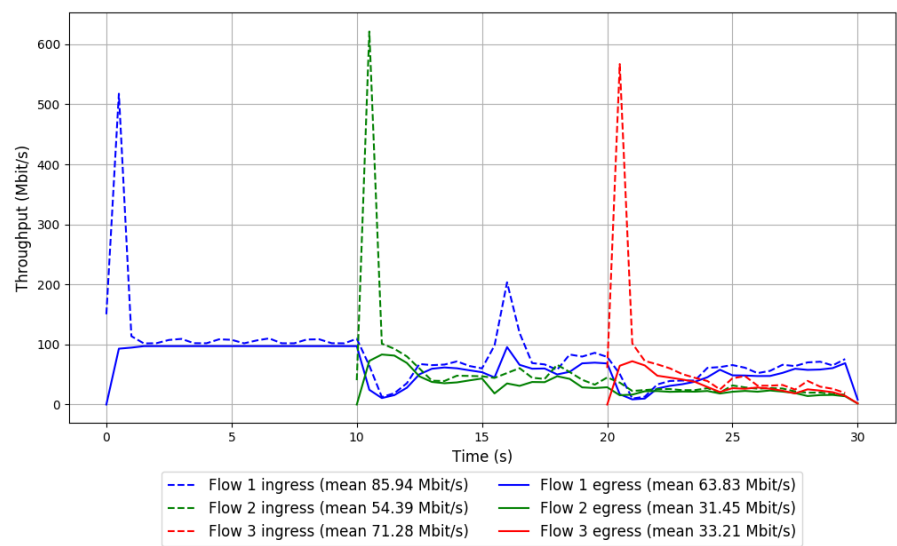


Run 5: Statistics of FillP

Start at: 2018-02-28 05:51:43
End at: 2018-02-28 05:52:13
Local clock offset: -0.564 ms
Remote clock offset: -0.765 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 115.311 ms
Loss rate: 34.25%
-- Flow 1:
Average throughput: 63.83 Mbit/s
95th percentile per-packet one-way delay: 115.013 ms
Loss rate: 25.66%
-- Flow 2:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 127.683 ms
Loss rate: 42.15%
-- Flow 3:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 135.098 ms
Loss rate: 53.38%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-28 06:15:31

End at: 2018-02-28 06:16:01

Local clock offset: -1.954 ms

Remote clock offset: -6.31 ms

Below is generated by plot.py at 2018-02-28 08:43:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.33 Mbit/s

95th percentile per-packet one-way delay: 123.302 ms

Loss rate: 35.87%

-- Flow 1:

Average throughput: 57.42 Mbit/s

95th percentile per-packet one-way delay: 143.898 ms

Loss rate: 31.14%

-- Flow 2:

Average throughput: 35.92 Mbit/s

95th percentile per-packet one-way delay: 111.754 ms

Loss rate: 38.82%

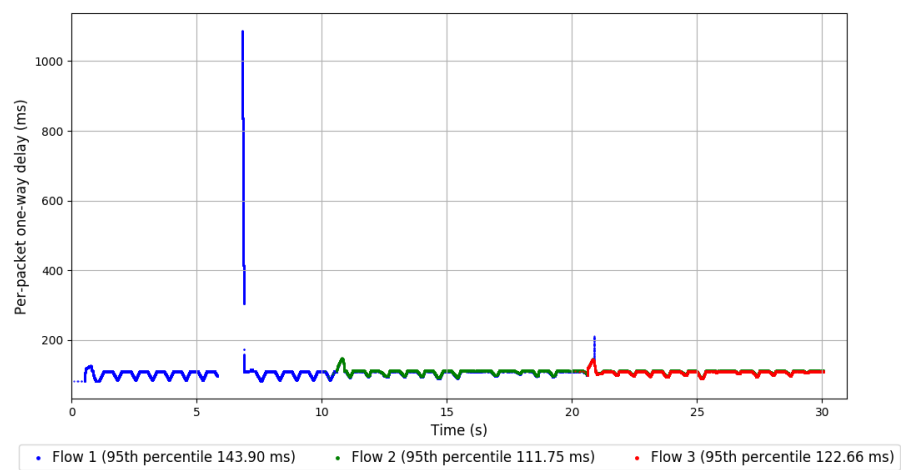
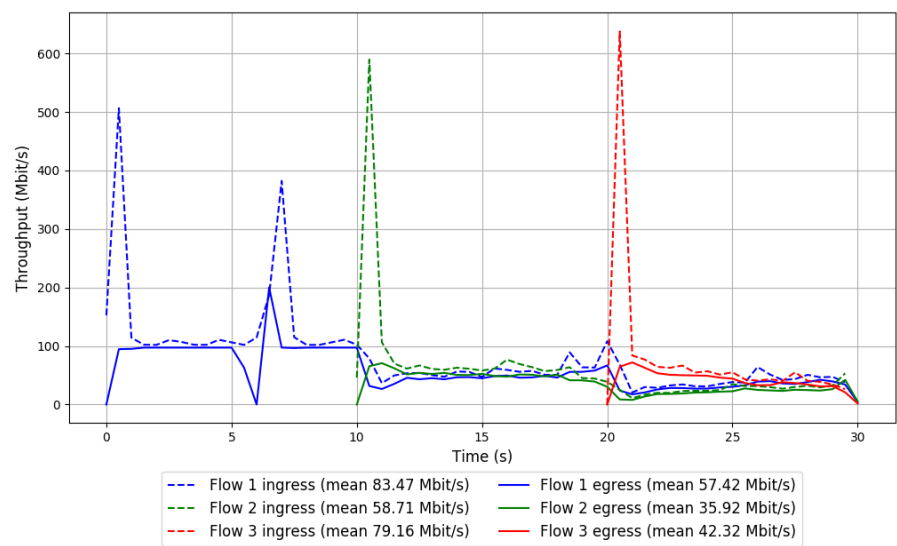
-- Flow 3:

Average throughput: 42.32 Mbit/s

95th percentile per-packet one-way delay: 122.661 ms

Loss rate: 46.55%

Run 6: Report of FillP — Data Link

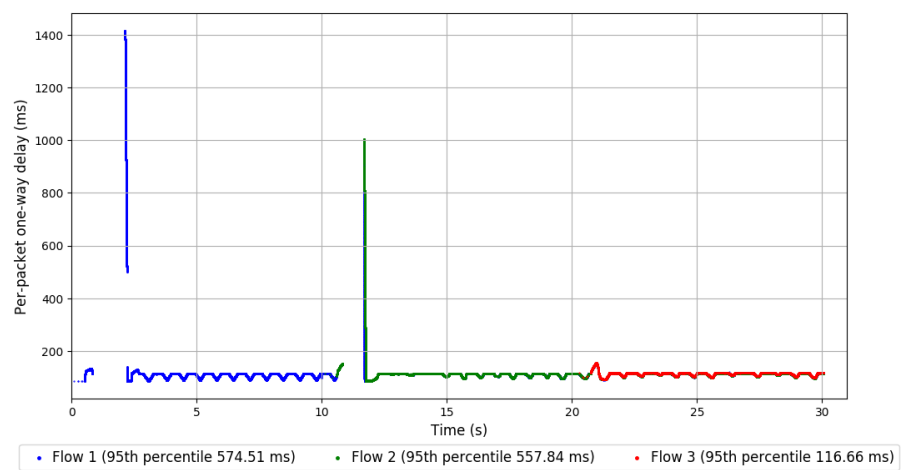
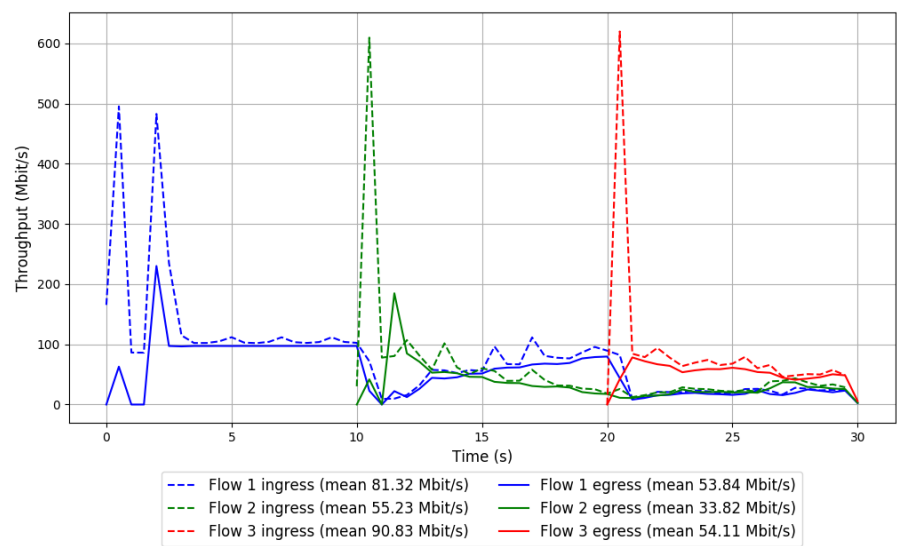


Run 7: Statistics of FillP

Start at: 2018-02-28 06:39:04
End at: 2018-02-28 06:39:34
Local clock offset: -6.475 ms
Remote clock offset: -1.375 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 346.656 ms
Loss rate: 36.52%
-- Flow 1:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 574.510 ms
Loss rate: 33.73%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 557.836 ms
Loss rate: 38.76%
-- Flow 3:
Average throughput: 54.11 Mbit/s
95th percentile per-packet one-way delay: 116.656 ms
Loss rate: 41.35%

Run 7: Report of FillP — Data Link

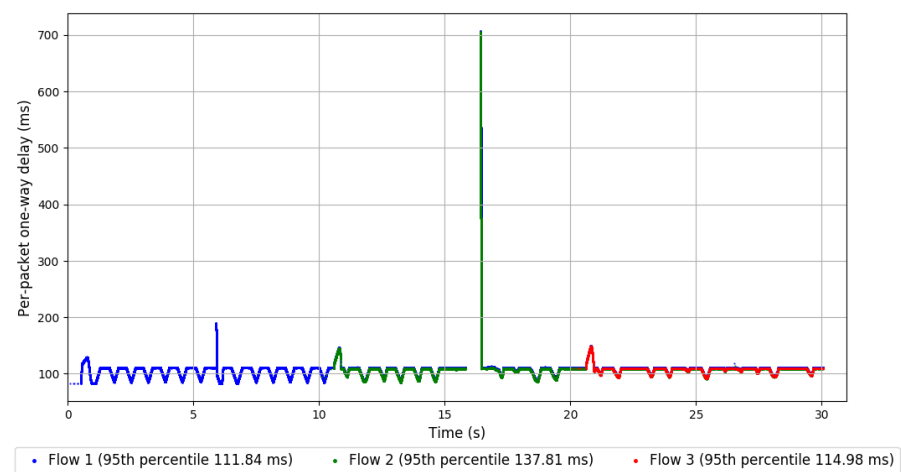
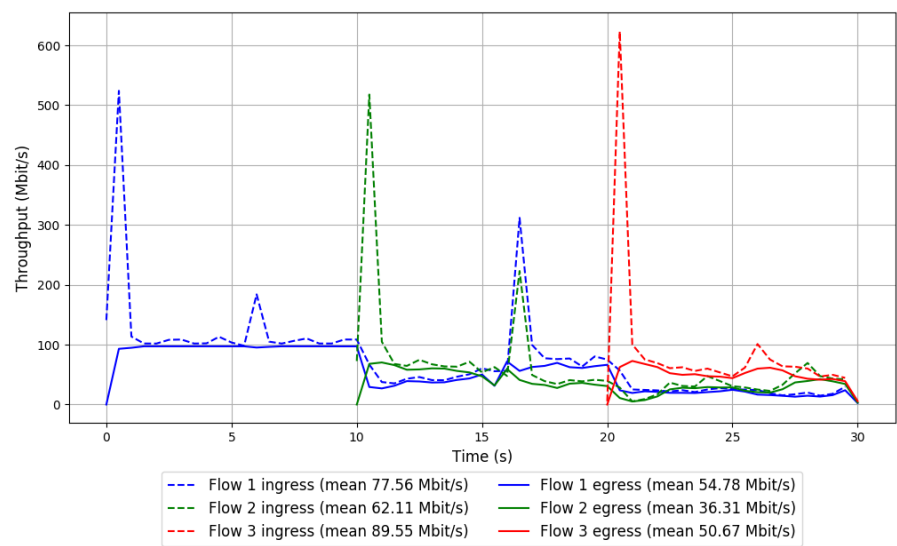


Run 8: Statistics of FillP

Start at: 2018-02-28 07:03:08
End at: 2018-02-28 07:03:38
Local clock offset: -6.804 ms
Remote clock offset: -6.329 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 118.535 ms
Loss rate: 35.52%
-- Flow 1:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 111.839 ms
Loss rate: 29.30%
-- Flow 2:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 137.807 ms
Loss rate: 41.49%
-- Flow 3:
Average throughput: 50.67 Mbit/s
95th percentile per-packet one-way delay: 114.977 ms
Loss rate: 43.42%

Run 8: Report of FillP — Data Link

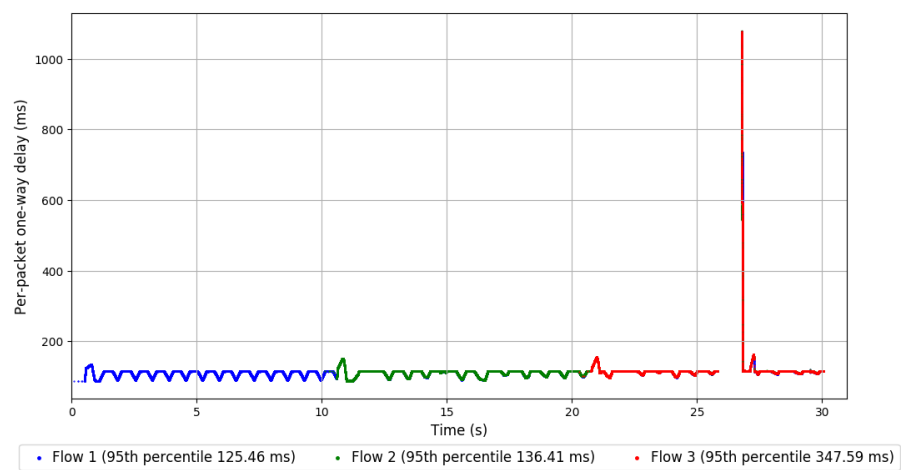
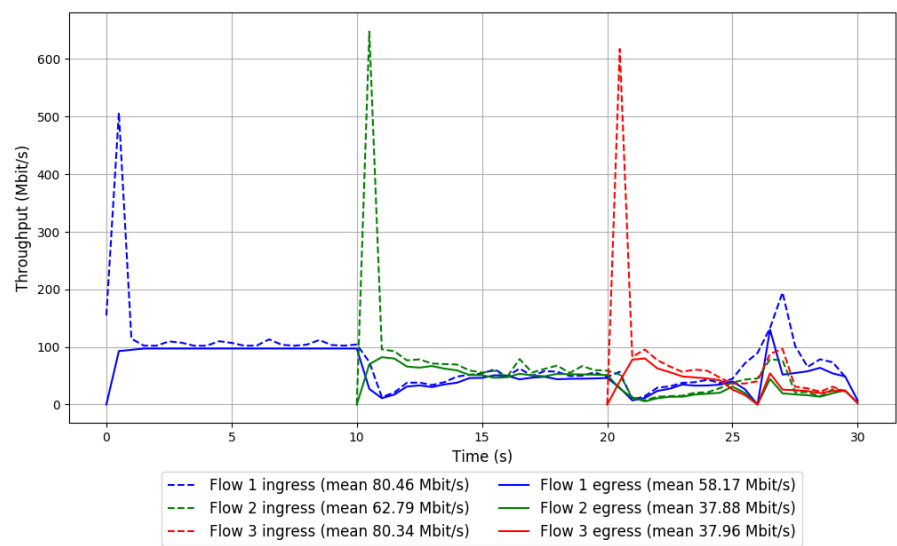


Run 9: Statistics of FillP

Start at: 2018-02-28 07:26:49
End at: 2018-02-28 07:27:19
Local clock offset: -6.9 ms
Remote clock offset: -1.575 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 136.186 ms
Loss rate: 35.63%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 125.464 ms
Loss rate: 27.63%
-- Flow 2:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 136.411 ms
Loss rate: 39.67%
-- Flow 3:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 347.591 ms
Loss rate: 53.46%

Run 9: Report of FillP — Data Link

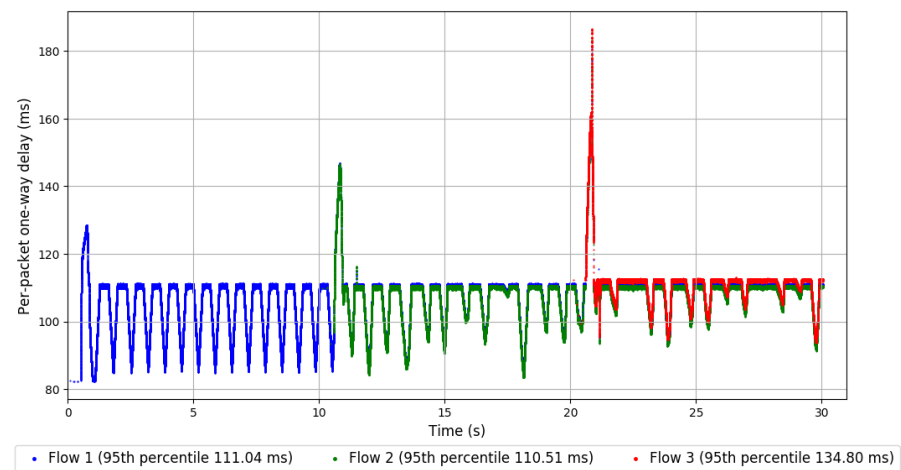
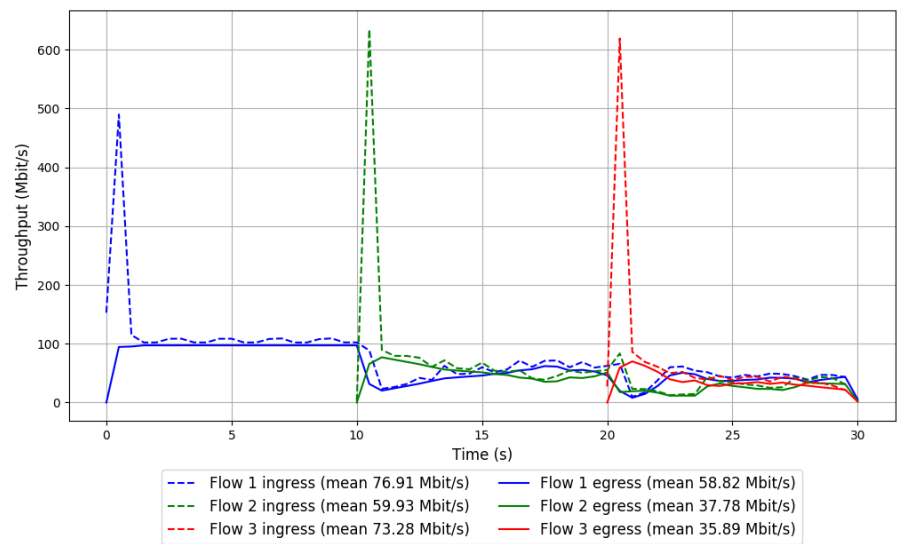


Run 10: Statistics of FillP

Start at: 2018-02-28 07:50:37
End at: 2018-02-28 07:51:07
Local clock offset: -5.291 ms
Remote clock offset: -5.503 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 112.380 ms
Loss rate: 32.02%
-- Flow 1:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 111.039 ms
Loss rate: 23.45%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 110.514 ms
Loss rate: 36.96%
-- Flow 3:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 134.800 ms
Loss rate: 51.02%

Run 10: Report of FillP — Data Link

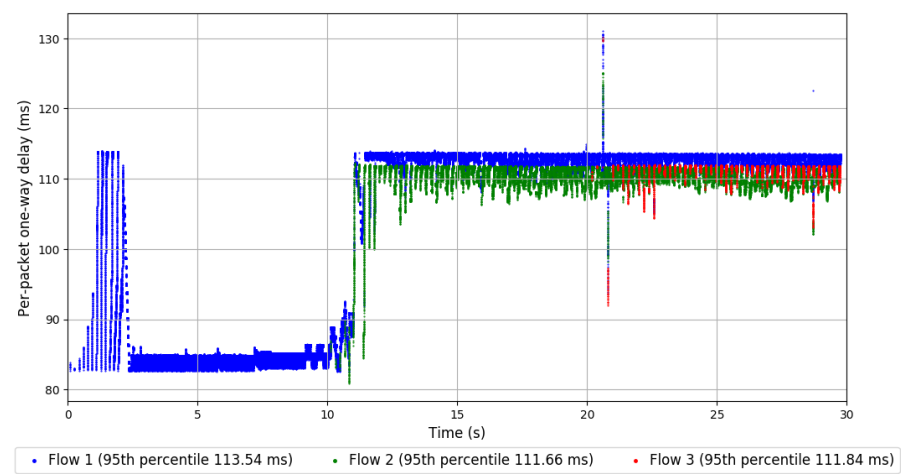
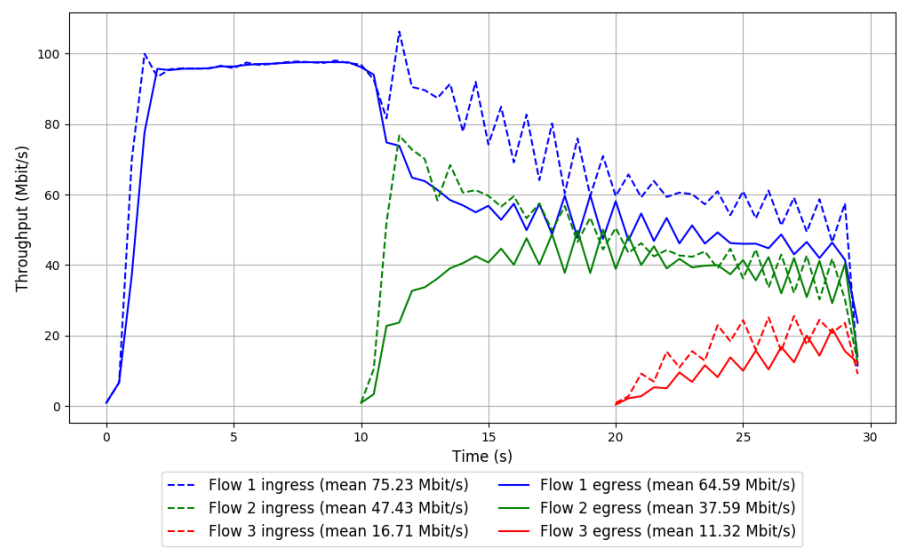


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-28 04:04:54
End at: 2018-02-28 04:05:24
Local clock offset: 4.012 ms
Remote clock offset: -5.992 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 113.512 ms
Loss rate: 16.77%
-- Flow 1:
Average throughput: 64.59 Mbit/s
95th percentile per-packet one-way delay: 113.540 ms
Loss rate: 14.05%
-- Flow 2:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 111.664 ms
Loss rate: 20.65%
-- Flow 3:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 111.840 ms
Loss rate: 32.24%

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

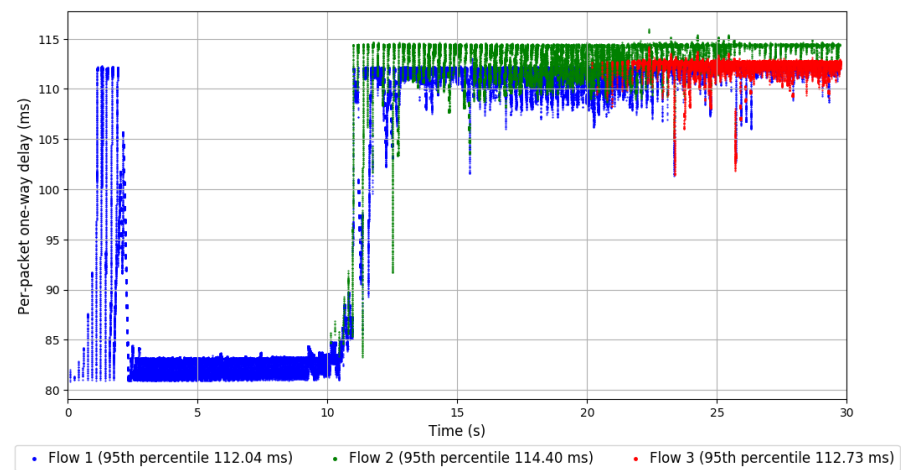
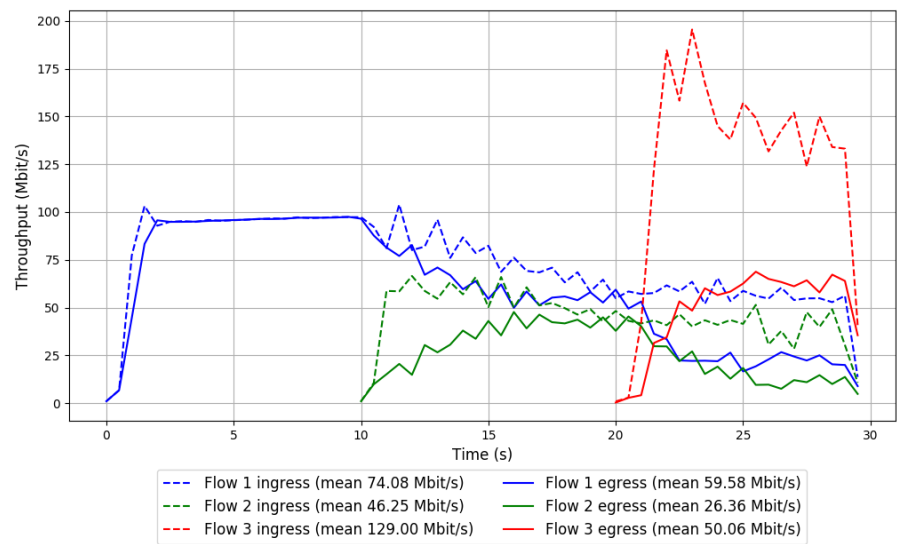


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-28 04:28:48
End at: 2018-02-28 04:29:18
Local clock offset: 0.466 ms
Remote clock offset: -5.942 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 114.186 ms
Loss rate: 36.28%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 112.038 ms
Loss rate: 19.49%
-- Flow 2:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 114.401 ms
Loss rate: 42.93%
-- Flow 3:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 112.732 ms
Loss rate: 61.19%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-28 04:52:23

End at: 2018-02-28 04:52:53

Local clock offset: -3.715 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-02-28 08:43:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.98 Mbit/s

95th percentile per-packet one-way delay: 120.445 ms

Loss rate: 31.30%

-- Flow 1:

Average throughput: 65.85 Mbit/s

95th percentile per-packet one-way delay: 118.947 ms

Loss rate: 13.01%

-- Flow 2:

Average throughput: 20.36 Mbit/s

95th percentile per-packet one-way delay: 118.580 ms

Loss rate: 42.08%

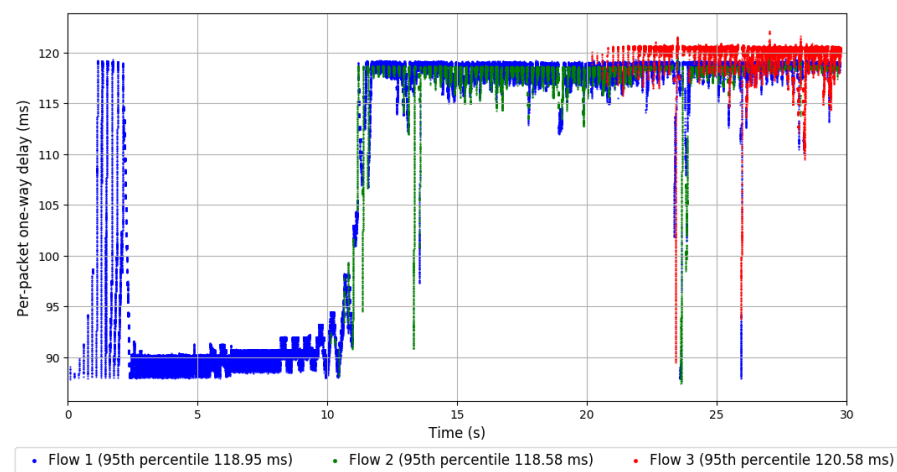
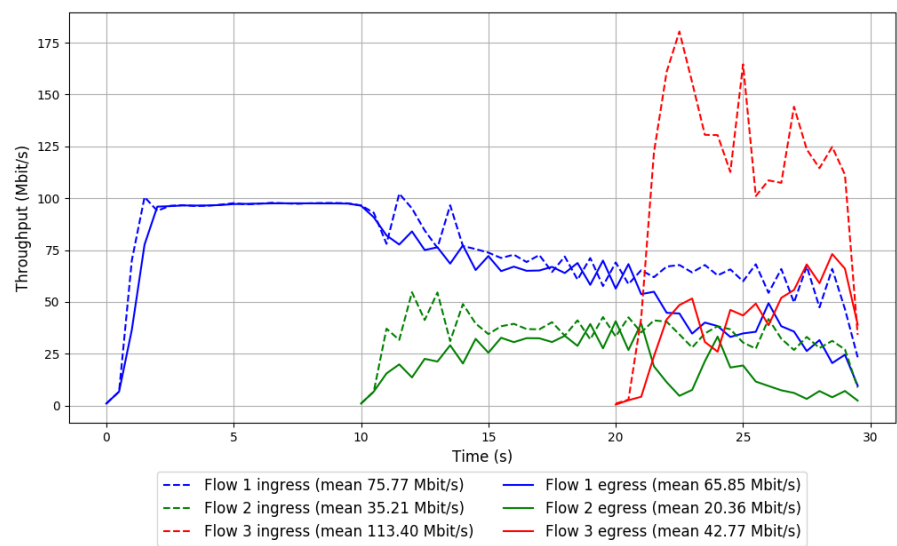
-- Flow 3:

Average throughput: 42.77 Mbit/s

95th percentile per-packet one-way delay: 120.579 ms

Loss rate: 62.28%

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

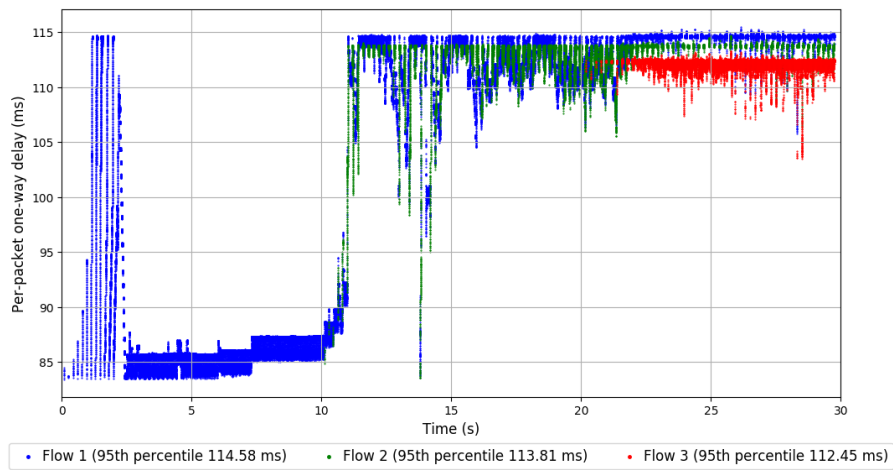
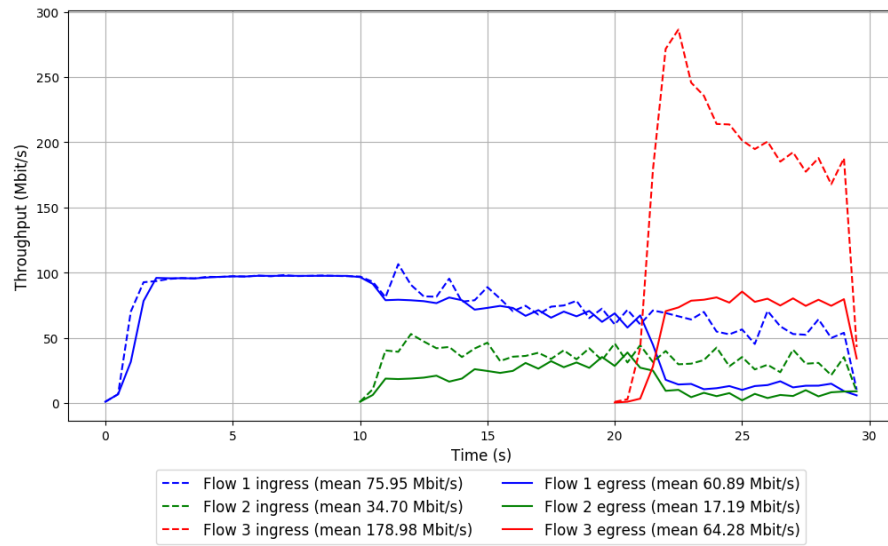


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-28 05:15:54
End at: 2018-02-28 05:16:24
Local clock offset: -2.611 ms
Remote clock offset: -5.919 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 114.549 ms
Loss rate: 40.60%
-- Flow 1:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 114.584 ms
Loss rate: 19.75%
-- Flow 2:
Average throughput: 17.19 Mbit/s
95th percentile per-packet one-way delay: 113.814 ms
Loss rate: 50.40%
-- Flow 3:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 112.455 ms
Loss rate: 64.08%

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

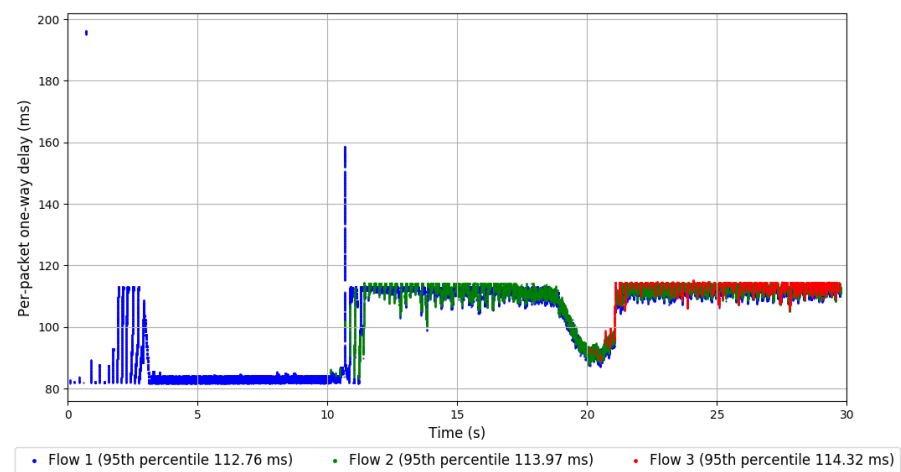
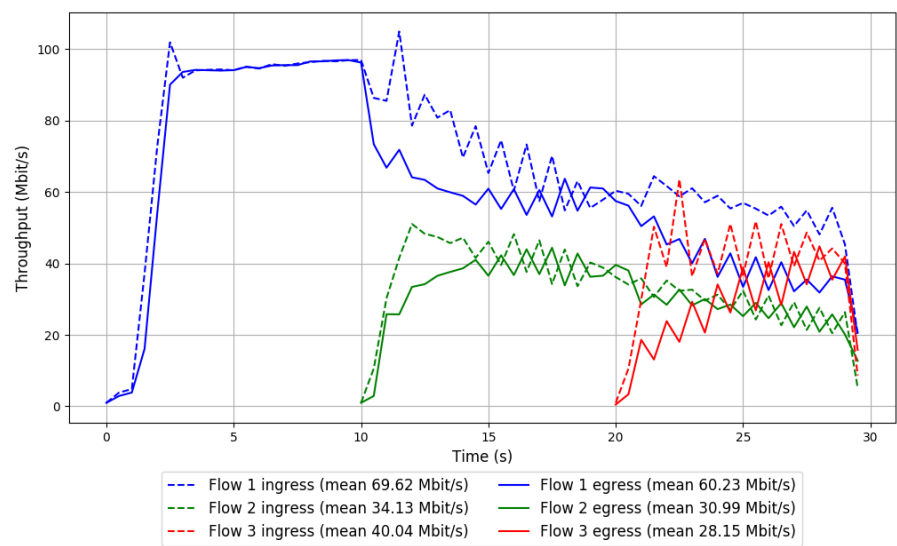


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-28 05:39:49
End at: 2018-02-28 05:40:19
Local clock offset: 0.394 ms
Remote clock offset: -6.318 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 113.994 ms
Loss rate: 14.44%
-- Flow 1:
Average throughput: 60.23 Mbit/s
95th percentile per-packet one-way delay: 112.763 ms
Loss rate: 13.40%
-- Flow 2:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 113.968 ms
Loss rate: 9.09%
-- Flow 3:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 114.323 ms
Loss rate: 29.51%

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

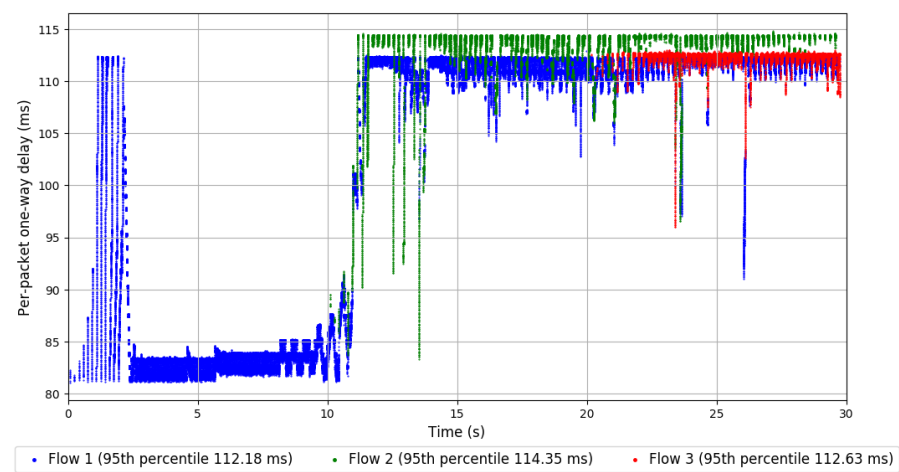
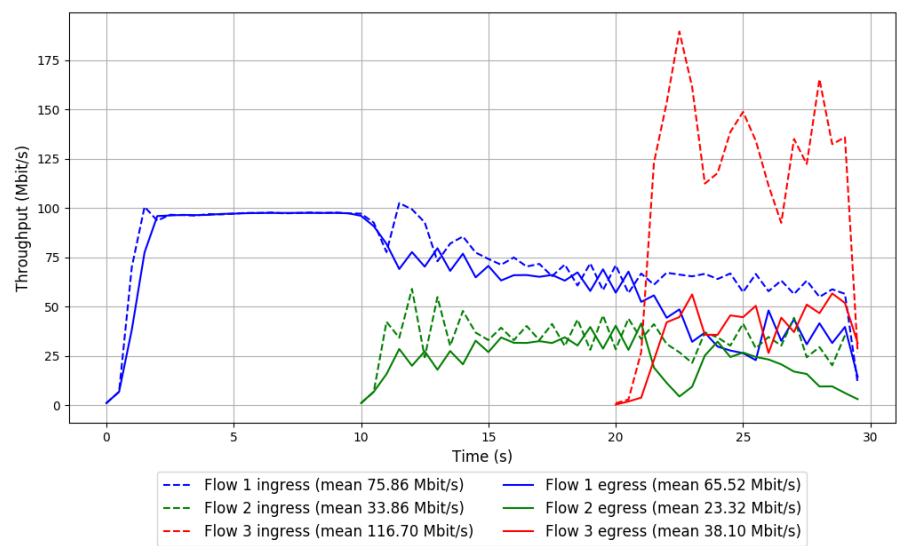


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-28 06:03:29
End at: 2018-02-28 06:03:59
Local clock offset: -1.74 ms
Remote clock offset: -6.274 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 114.173 ms
Loss rate: 31.32%
-- Flow 1:
Average throughput: 65.52 Mbit/s
95th percentile per-packet one-way delay: 112.178 ms
Loss rate: 13.53%
-- Flow 2:
Average throughput: 23.32 Mbit/s
95th percentile per-packet one-way delay: 114.354 ms
Loss rate: 31.02%
-- Flow 3:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 112.631 ms
Loss rate: 67.36%

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

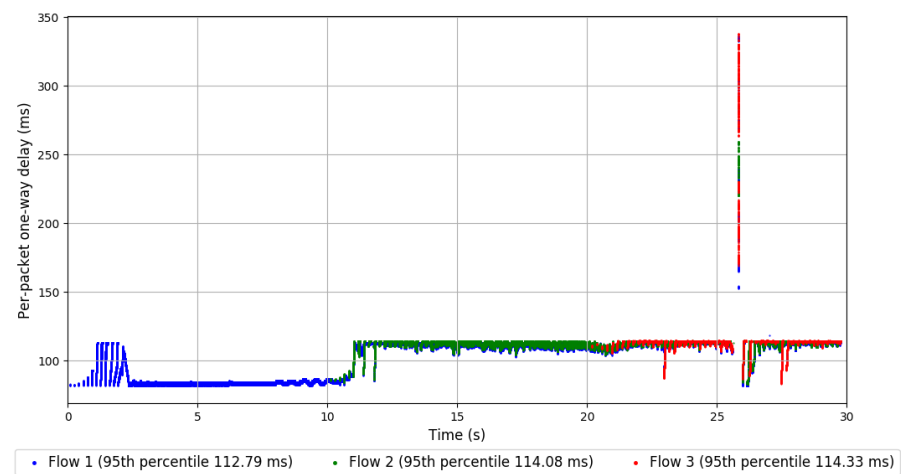
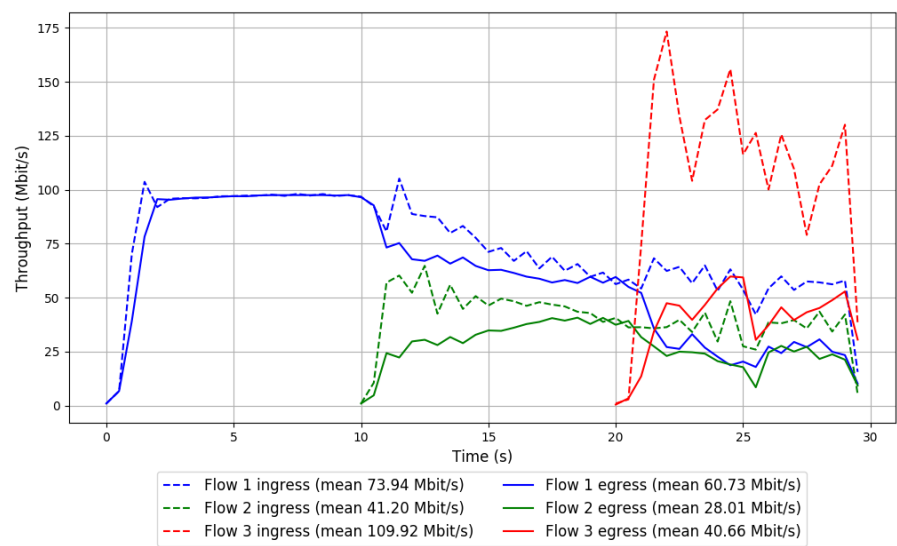


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-28 06:27:16
End at: 2018-02-28 06:27:46
Local clock offset: -4.565 ms
Remote clock offset: -6.146 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 114.206 ms
Loss rate: 32.35%
-- Flow 1:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 112.790 ms
Loss rate: 17.79%
-- Flow 2:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 114.084 ms
Loss rate: 31.92%
-- Flow 3:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 114.333 ms
Loss rate: 62.99%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-28 06:50:52

End at: 2018-02-28 06:51:22

Local clock offset: -7.245 ms

Remote clock offset: -0.67 ms

Below is generated by plot.py at 2018-02-28 08:43:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.64 Mbit/s

95th percentile per-packet one-way delay: 119.482 ms

Loss rate: 20.08%

-- Flow 1:

Average throughput: 62.55 Mbit/s

95th percentile per-packet one-way delay: 118.224 ms

Loss rate: 12.97%

-- Flow 2:

Average throughput: 23.10 Mbit/s

95th percentile per-packet one-way delay: 119.701 ms

Loss rate: 16.10%

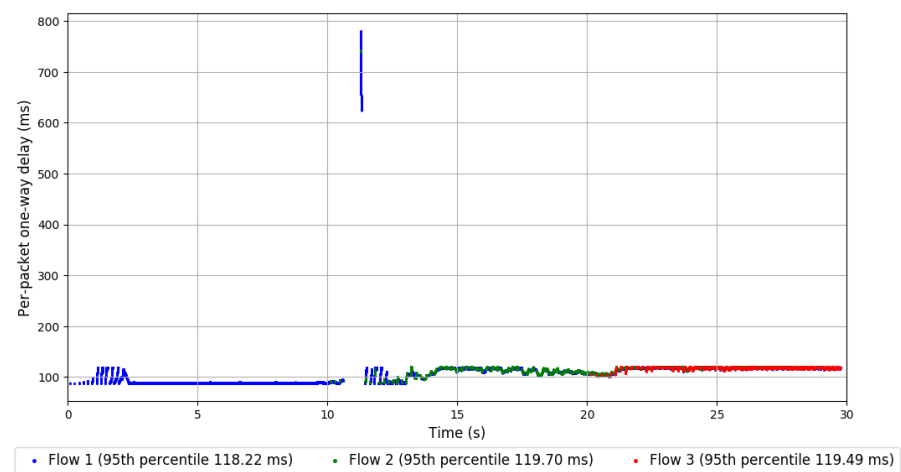
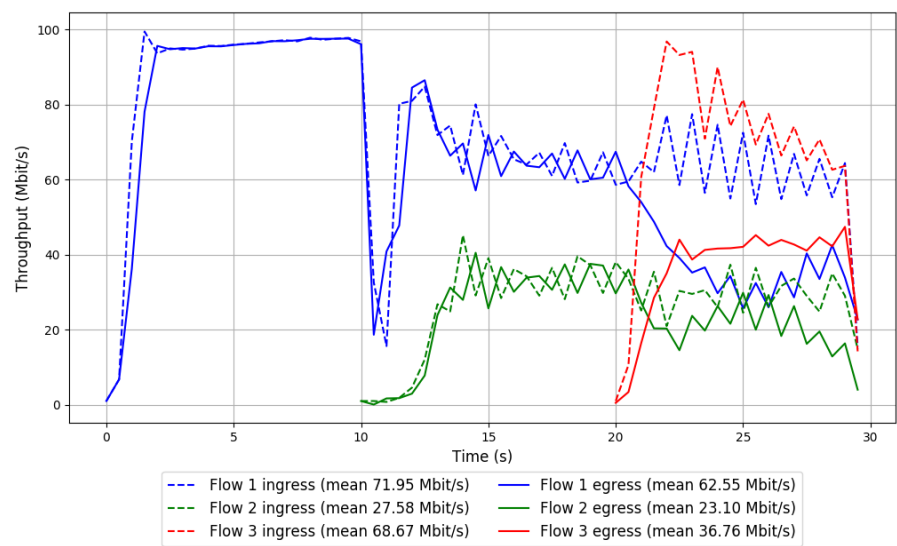
-- Flow 3:

Average throughput: 36.76 Mbit/s

95th percentile per-packet one-way delay: 119.490 ms

Loss rate: 46.39%

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

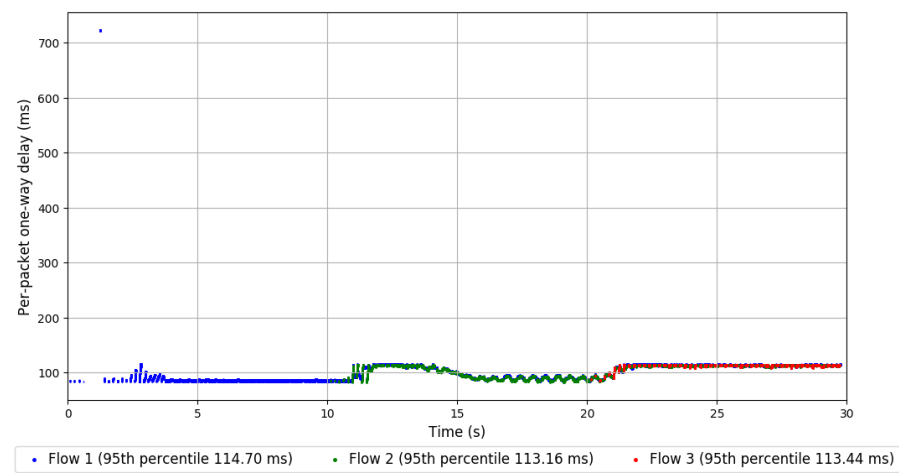
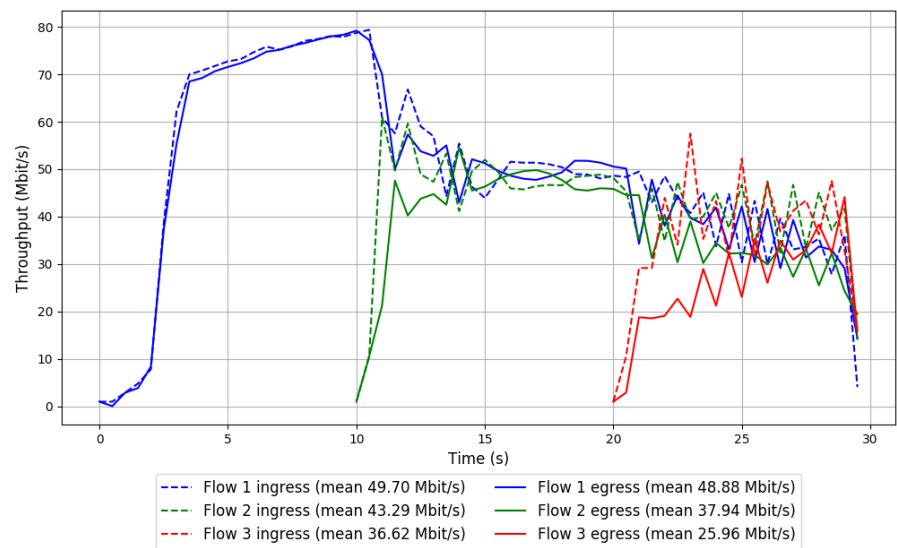


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-28 07:14:56
End at: 2018-02-28 07:15:26
Local clock offset: -6.698 ms
Remote clock offset: -5.524 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.38 Mbit/s
95th percentile per-packet one-way delay: 114.044 ms
Loss rate: 8.52%
-- Flow 1:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 114.703 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 113.156 ms
Loss rate: 12.22%
-- Flow 3:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 113.438 ms
Loss rate: 28.93%

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

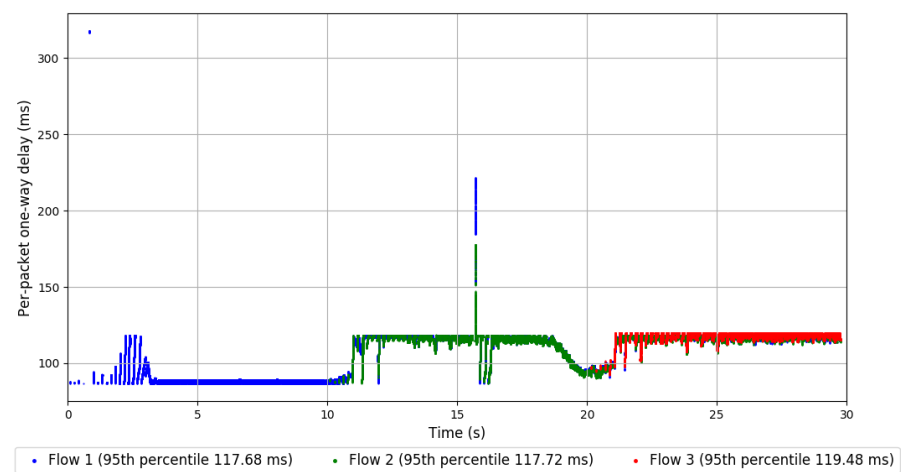
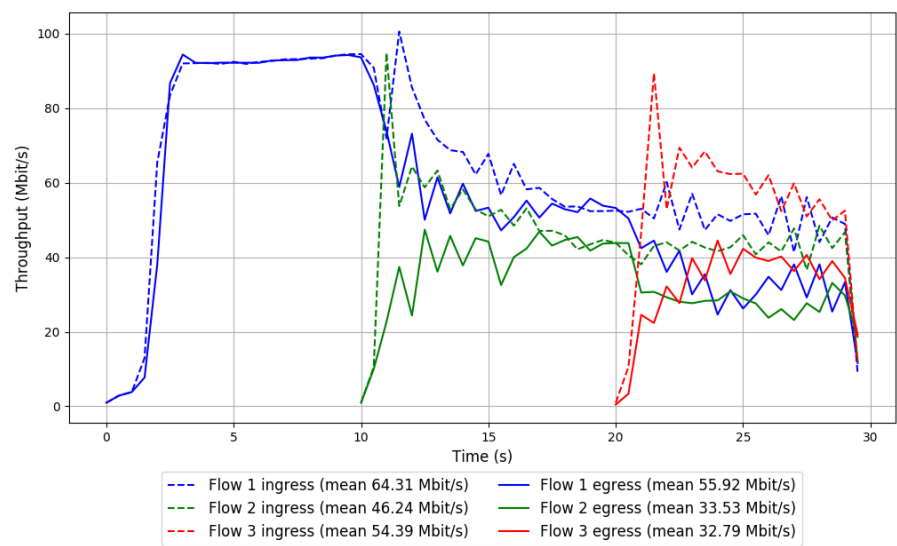


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-28 07:38:35
End at: 2018-02-28 07:39:05
Local clock offset: -5.703 ms
Remote clock offset: -0.841 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 119.021 ms
Loss rate: 21.05%
-- Flow 1:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 117.677 ms
Loss rate: 12.96%
-- Flow 2:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 117.725 ms
Loss rate: 27.39%
-- Flow 3:
Average throughput: 32.79 Mbit/s
95th percentile per-packet one-way delay: 119.479 ms
Loss rate: 39.59%

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

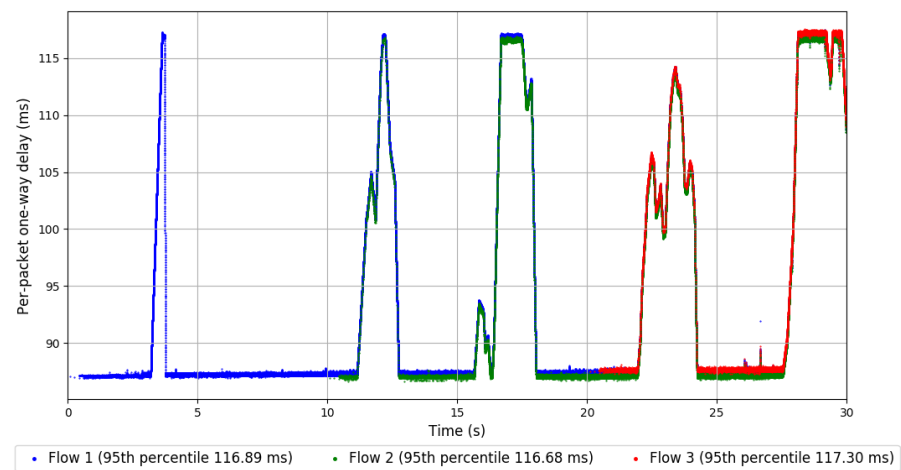
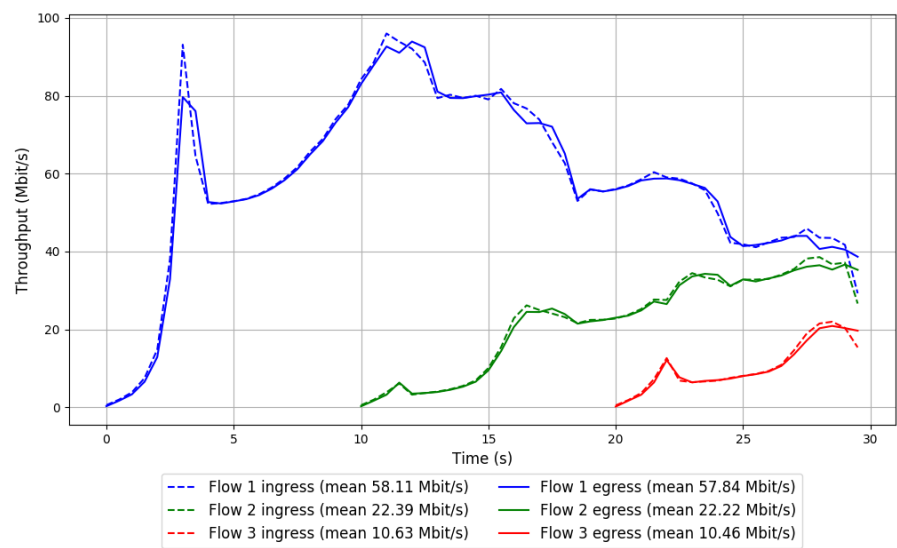


Run 1: Statistics of Vivace-latency

Start at: 2018-02-28 04:02:17
End at: 2018-02-28 04:02:47
Local clock offset: 4.439 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 116.890 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 116.887 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 116.678 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 117.297 ms
Loss rate: 1.37%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-28 04:26:11

End at: 2018-02-28 04:26:41

Local clock offset: 0.121 ms

Remote clock offset: 0.552 ms

Below is generated by plot.py at 2018-02-28 08:43:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.08 Mbit/s

95th percentile per-packet one-way delay: 117.298 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 68.03 Mbit/s

95th percentile per-packet one-way delay: 117.226 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 10.78 Mbit/s

95th percentile per-packet one-way delay: 117.753 ms

Loss rate: 0.18%

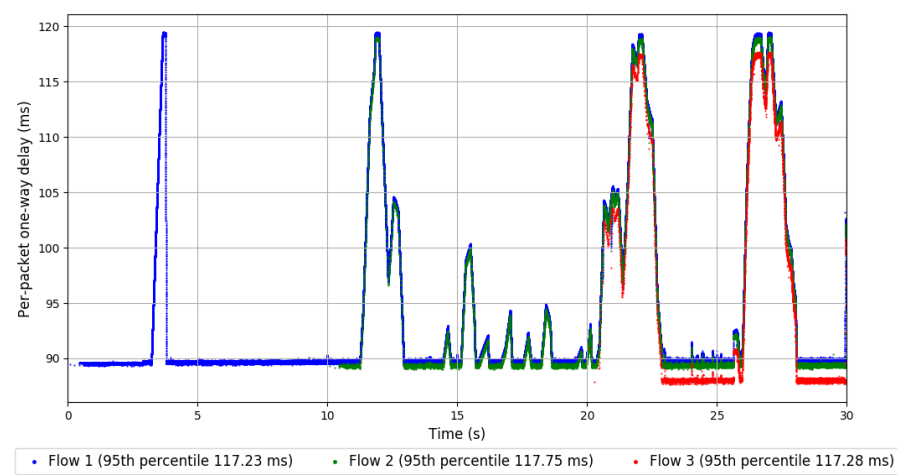
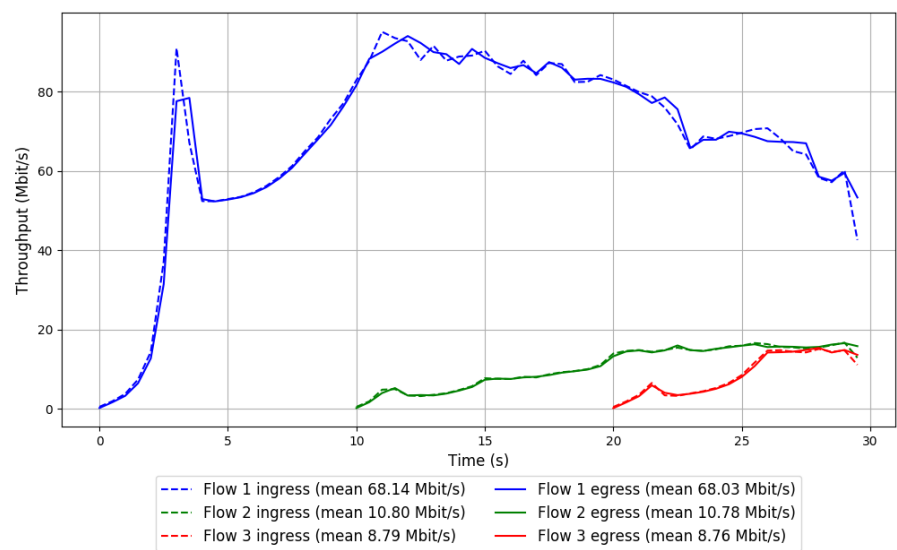
-- Flow 3:

Average throughput: 8.76 Mbit/s

95th percentile per-packet one-way delay: 117.285 ms

Loss rate: 0.26%

Run 2: Report of Vivace-latency — Data Link

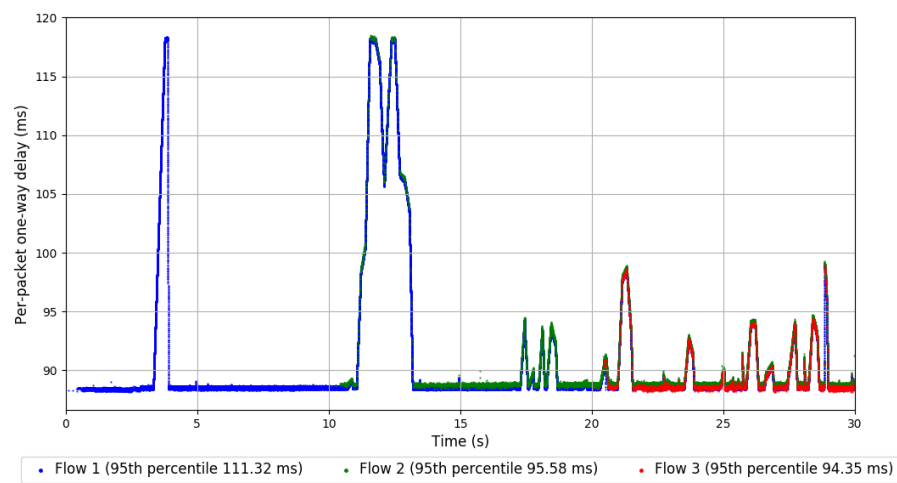
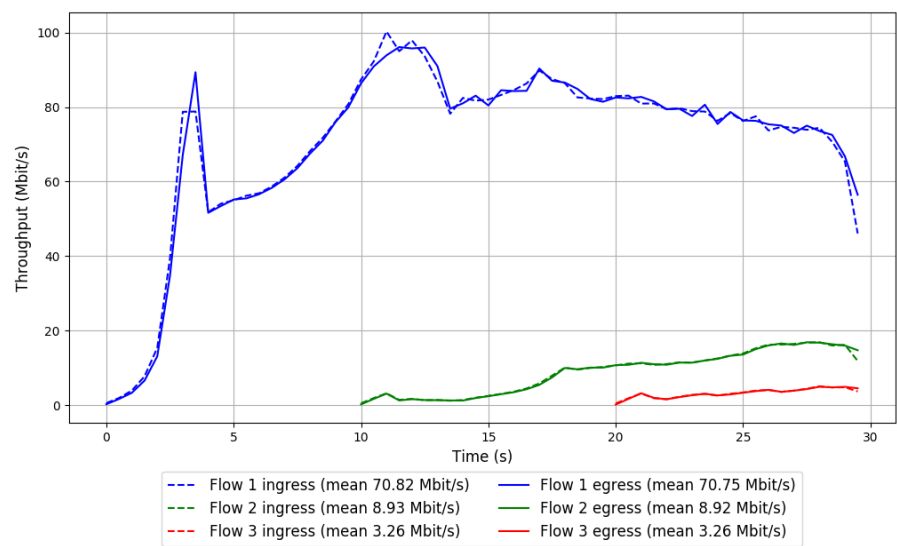


Run 3: Statistics of Vivace-latency

Start at: 2018-02-28 04:49:45
End at: 2018-02-28 04:50:15
Local clock offset: -3.352 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.75 Mbit/s
95th percentile per-packet one-way delay: 110.018 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 70.75 Mbit/s
95th percentile per-packet one-way delay: 111.319 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 8.92 Mbit/s
95th percentile per-packet one-way delay: 95.585 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 94.347 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link

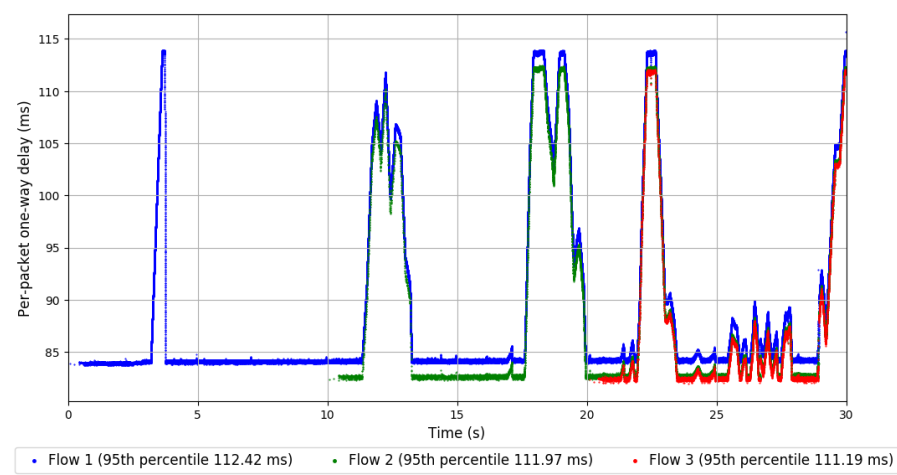
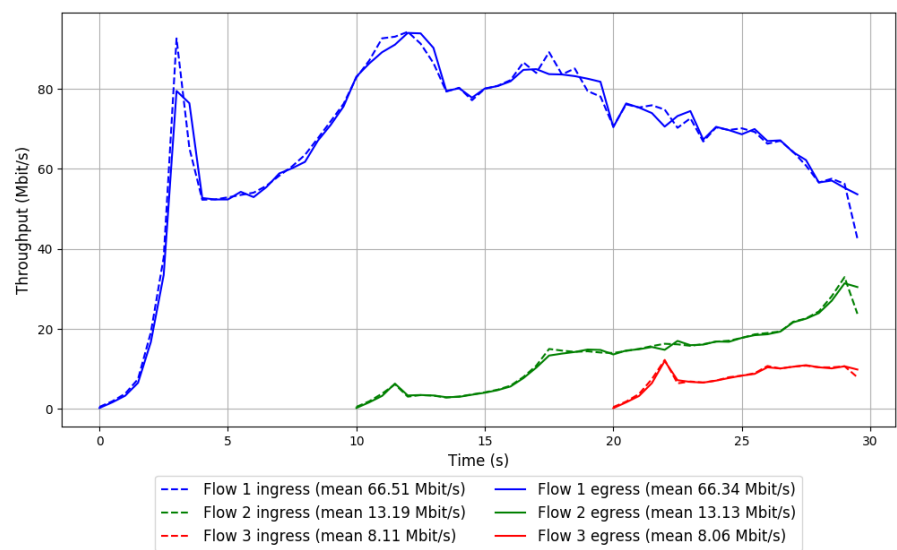


Run 4: Statistics of Vivace-latency

Start at: 2018-02-28 05:13:18
End at: 2018-02-28 05:13:48
Local clock offset: -3.146 ms
Remote clock offset: -5.214 ms

Below is generated by plot.py at 2018-02-28 08:43:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.73 Mbit/s
95th percentile per-packet one-way delay: 112.019 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 66.34 Mbit/s
95th percentile per-packet one-way delay: 112.421 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 111.975 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 111.189 ms
Loss rate: 0.32%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-28 05:37:07

End at: 2018-02-28 05:37:37

Local clock offset: 0.205 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-02-28 08:43:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.50 Mbit/s

95th percentile per-packet one-way delay: 119.000 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 68.87 Mbit/s

95th percentile per-packet one-way delay: 119.281 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 7.42 Mbit/s

95th percentile per-packet one-way delay: 116.764 ms

Loss rate: 0.78%

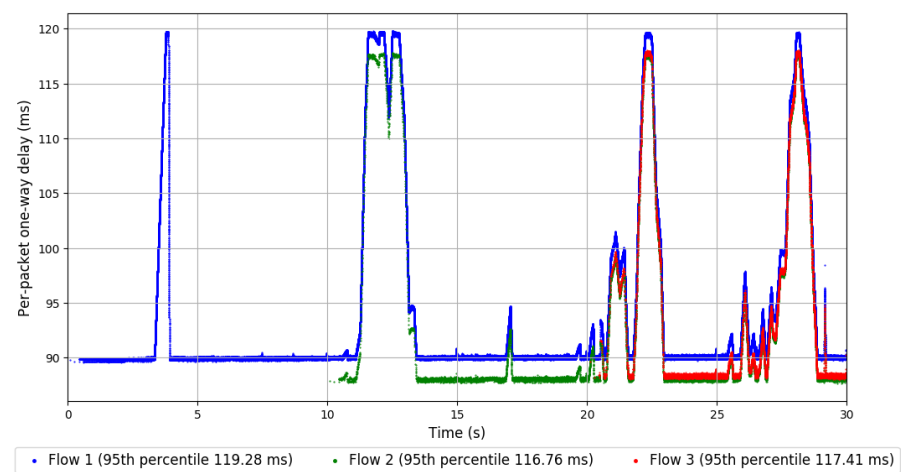
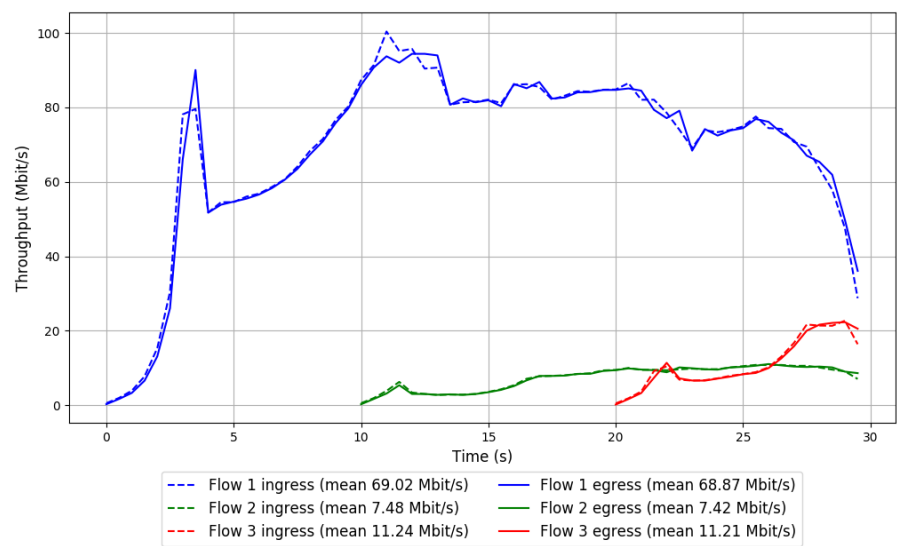
-- Flow 3:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 117.409 ms

Loss rate: 0.26%

Run 5: Report of Vivace-latency — Data Link

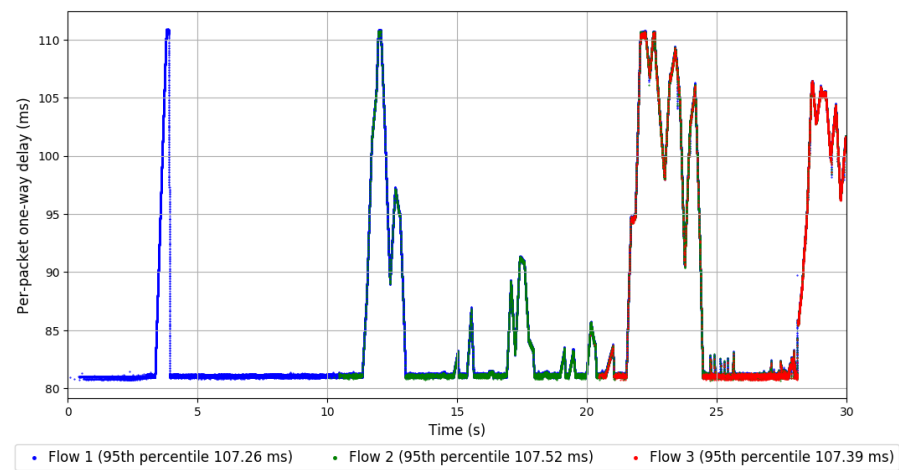
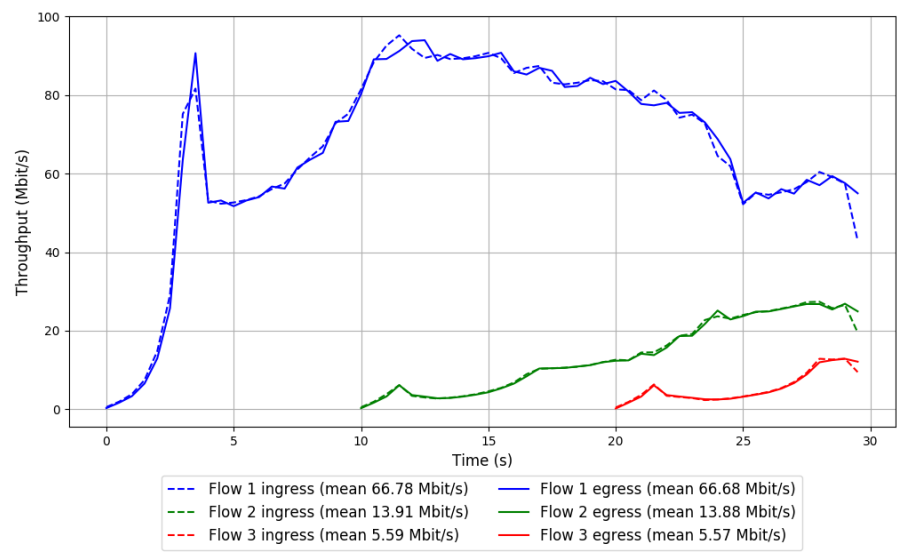


Run 6: Statistics of Vivace-latency

Start at: 2018-02-28 06:00:52
End at: 2018-02-28 06:01:22
Local clock offset: -1.641 ms
Remote clock offset: -6.355 ms

Below is generated by plot.py at 2018-02-28 08:44:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.75 Mbit/s
95th percentile per-packet one-way delay: 107.306 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 66.68 Mbit/s
95th percentile per-packet one-way delay: 107.259 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 13.88 Mbit/s
95th percentile per-packet one-way delay: 107.518 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 107.394 ms
Loss rate: 0.13%

Run 6: Report of Vivace-latency — Data Link

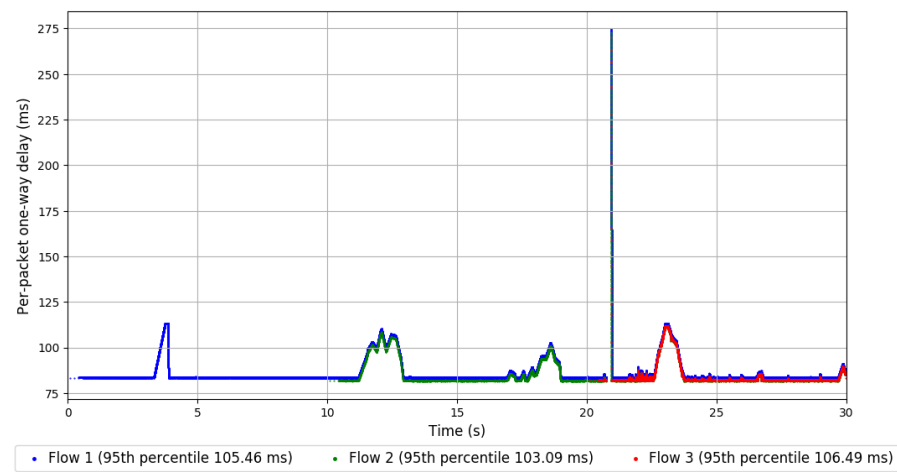
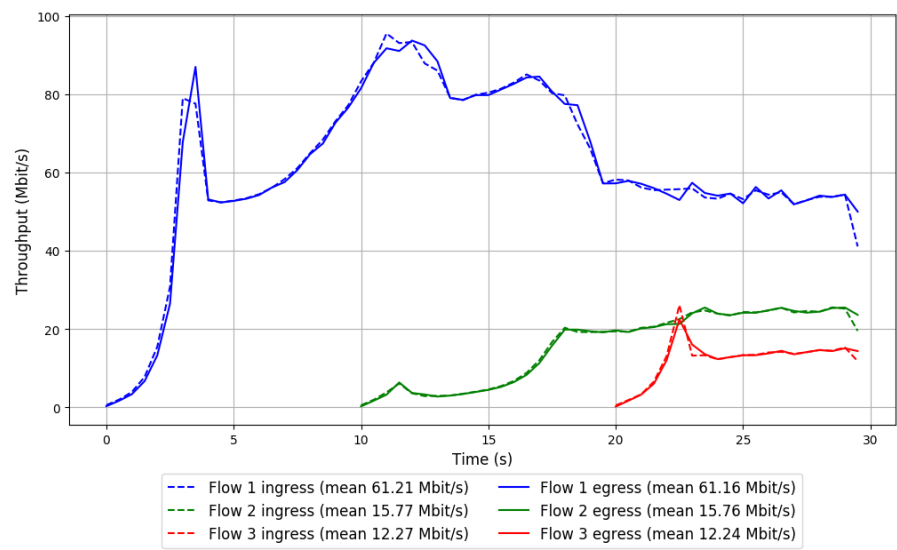


Run 7: Statistics of Vivace-latency

Start at: 2018-02-28 06:24:40
End at: 2018-02-28 06:25:10
Local clock offset: -3.795 ms
Remote clock offset: -5.385 ms

Below is generated by plot.py at 2018-02-28 08:44:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 105.166 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 61.16 Mbit/s
95th percentile per-packet one-way delay: 105.458 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 103.095 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 12.24 Mbit/s
95th percentile per-packet one-way delay: 106.490 ms
Loss rate: 0.23%

Run 7: Report of Vivace-latency — Data Link

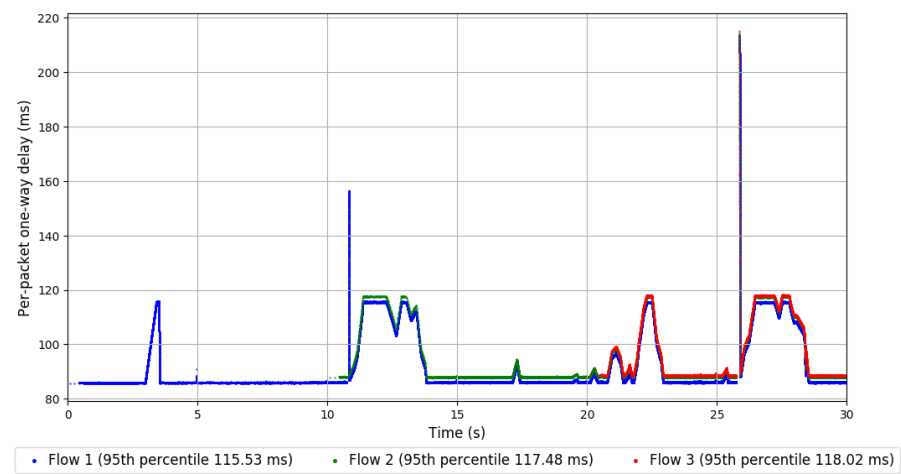
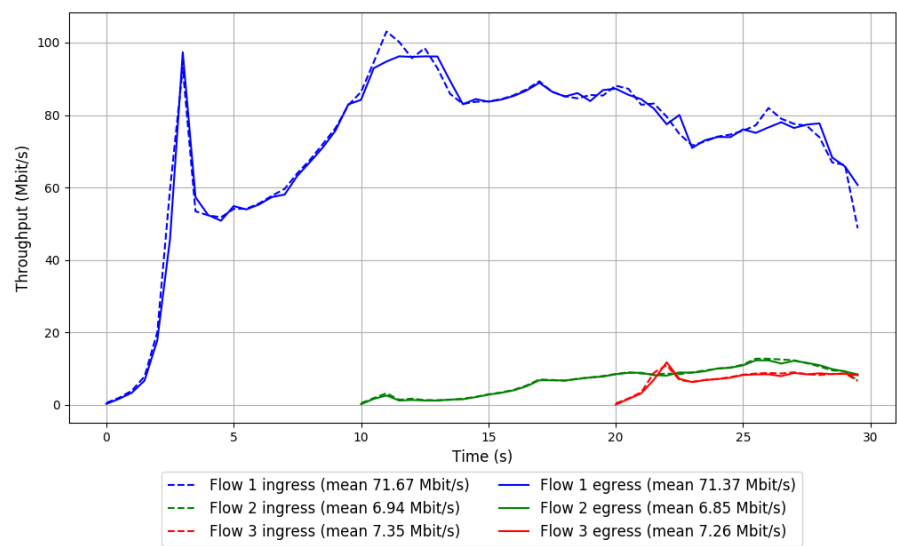


Run 8: Statistics of Vivace-latency

Start at: 2018-02-28 06:48:14
End at: 2018-02-28 06:48:44
Local clock offset: -7.122 ms
Remote clock offset: -1.529 ms

Below is generated by plot.py at 2018-02-28 08:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 115.557 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 71.37 Mbit/s
95th percentile per-packet one-way delay: 115.526 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 117.480 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 118.019 ms
Loss rate: 1.17%

Run 8: Report of Vivace-latency — Data Link

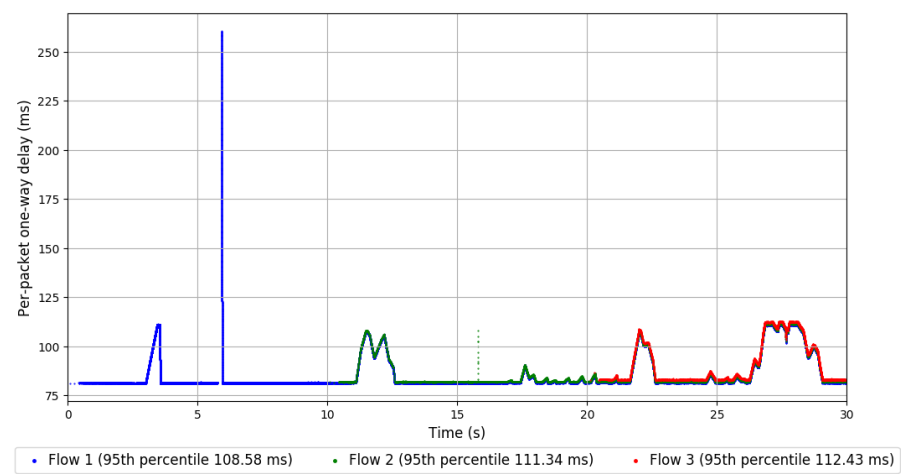
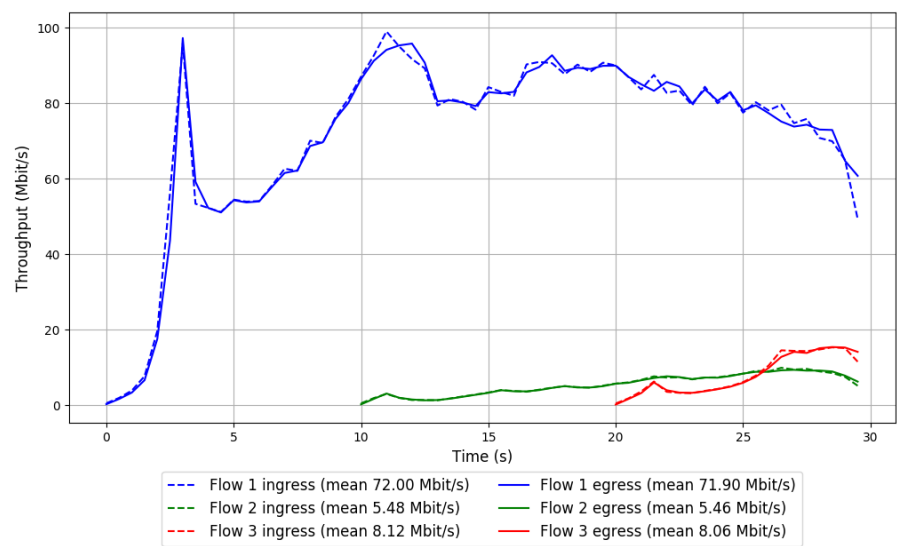


Run 9: Statistics of Vivace-latency

Start at: 2018-02-28 07:12:20
End at: 2018-02-28 07:12:50
Local clock offset: -6.682 ms
Remote clock offset: -6.371 ms

Below is generated by plot.py at 2018-02-28 08:44:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 109.715 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 71.90 Mbit/s
95th percentile per-packet one-way delay: 108.584 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 111.343 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 112.428 ms
Loss rate: 0.82%

Run 9: Report of Vivace-latency — Data Link

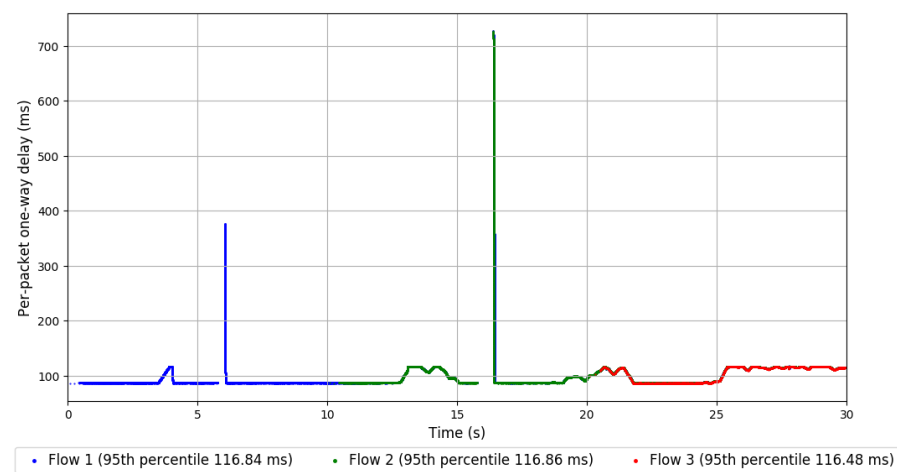
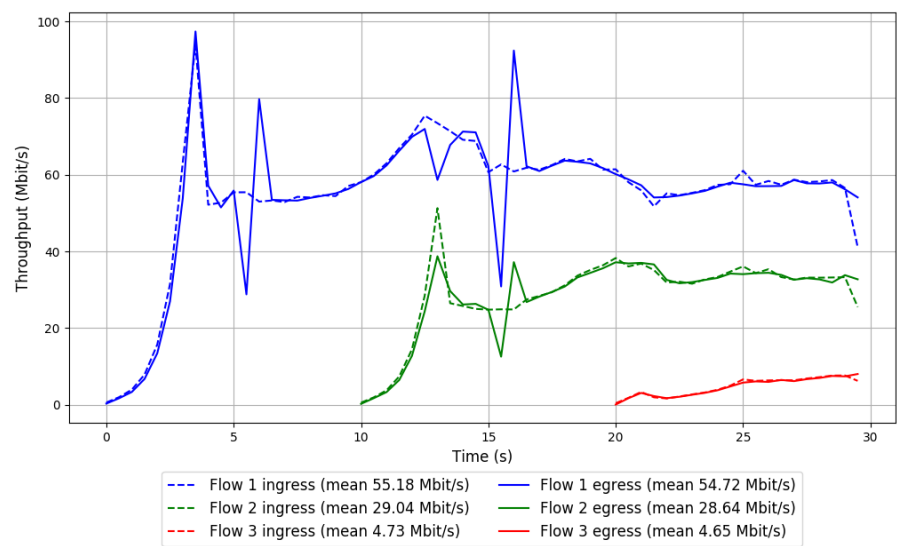


Run 10: Statistics of Vivace-latency

Start at: 2018-02-28 07:35:58
End at: 2018-02-28 07:36:28
Local clock offset: -5.975 ms
Remote clock offset: -0.796 ms

Below is generated by plot.py at 2018-02-28 08:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.31 Mbit/s
95th percentile per-packet one-way delay: 116.846 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 116.843 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 116.863 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 116.482 ms
Loss rate: 1.46%

Run 10: Report of Vivace-latency — Data Link

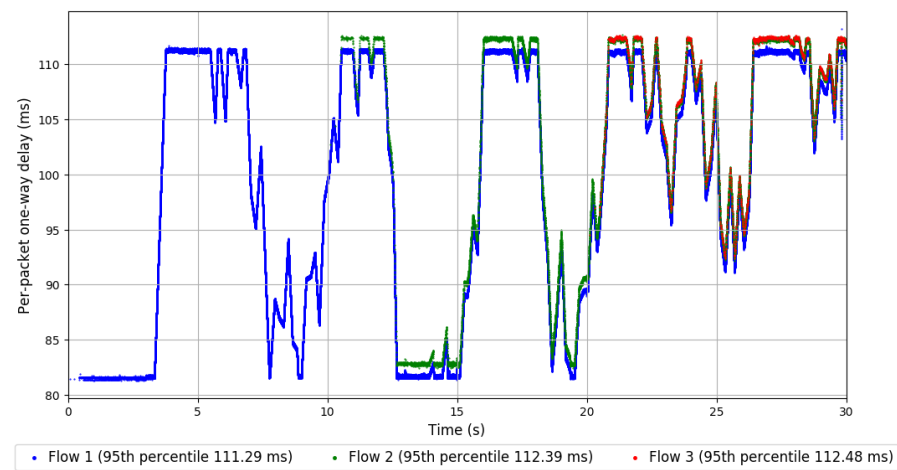
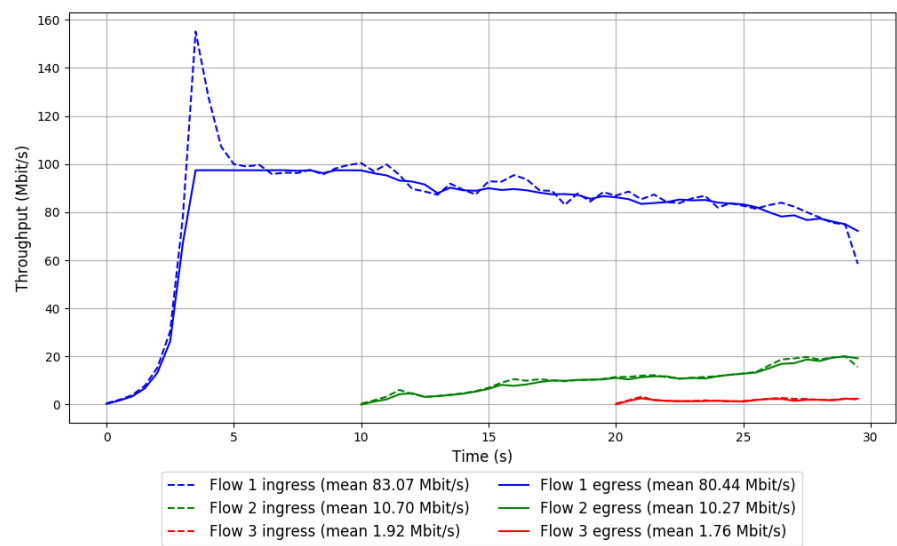


Run 1: Statistics of Vivace-loss

Start at: 2018-02-28 04:13:00
End at: 2018-02-28 04:13:30
Local clock offset: 0.022 ms
Remote clock offset: -6.064 ms

Below is generated by plot.py at 2018-02-28 08:44:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.85 Mbit/s
95th percentile per-packet one-way delay: 111.337 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 80.44 Mbit/s
95th percentile per-packet one-way delay: 111.286 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 112.388 ms
Loss rate: 3.99%
-- Flow 3:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 112.485 ms
Loss rate: 8.38%

Run 1: Report of Vivace-loss — Data Link

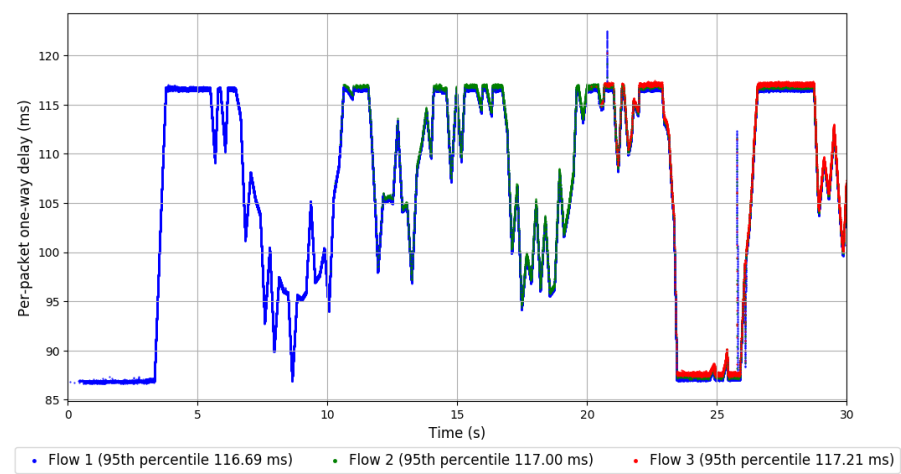
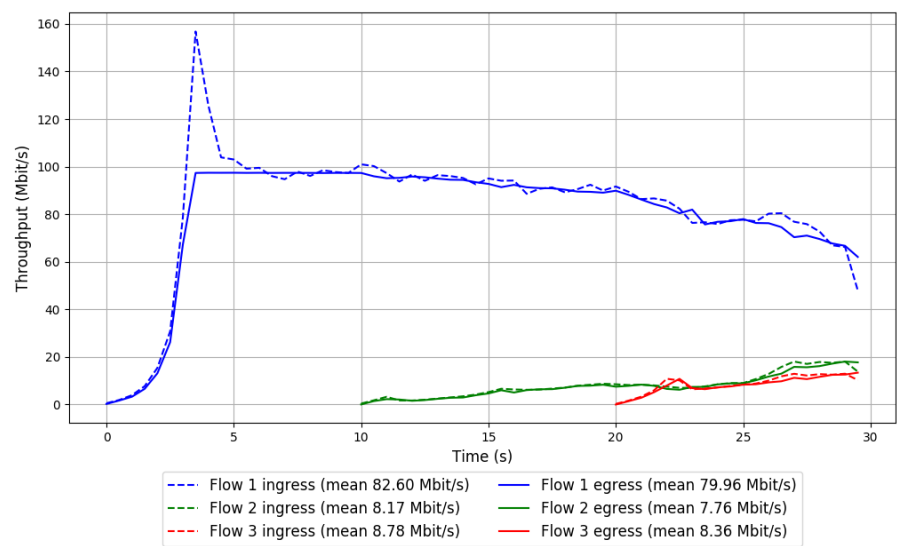


Run 2: Statistics of Vivace-loss

Start at: 2018-02-28 04:36:35
End at: 2018-02-28 04:37:05
Local clock offset: 1.929 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-02-28 08:45:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 116.733 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 79.96 Mbit/s
95th percentile per-packet one-way delay: 116.687 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 117.005 ms
Loss rate: 4.90%
-- Flow 3:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 117.212 ms
Loss rate: 4.97%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-28 05:00:09

End at: 2018-02-28 05:00:39

Local clock offset: -3.963 ms

Remote clock offset: 0.472 ms

Below is generated by plot.py at 2018-02-28 08:45:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.08 Mbit/s

95th percentile per-packet one-way delay: 119.369 ms

Loss rate: 3.06%

-- Flow 1:

Average throughput: 83.10 Mbit/s

95th percentile per-packet one-way delay: 119.366 ms

Loss rate: 2.96%

-- Flow 2:

Average throughput: 6.36 Mbit/s

95th percentile per-packet one-way delay: 117.283 ms

Loss rate: 4.82%

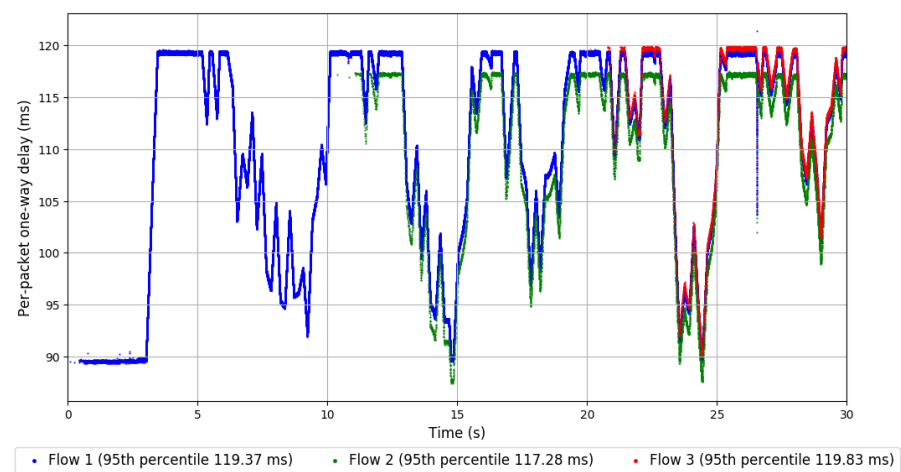
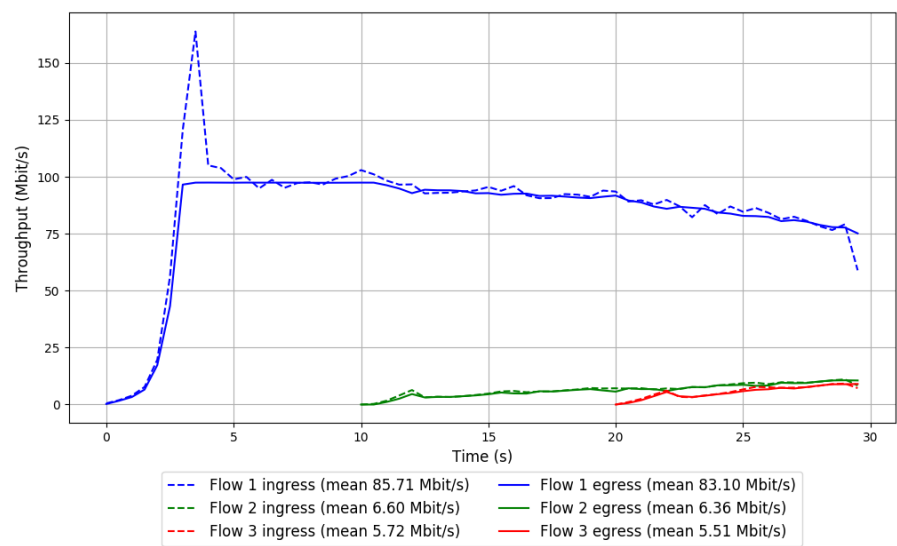
-- Flow 3:

Average throughput: 5.51 Mbit/s

95th percentile per-packet one-way delay: 119.834 ms

Loss rate: 3.75%

Run 3: Report of Vivace-loss — Data Link

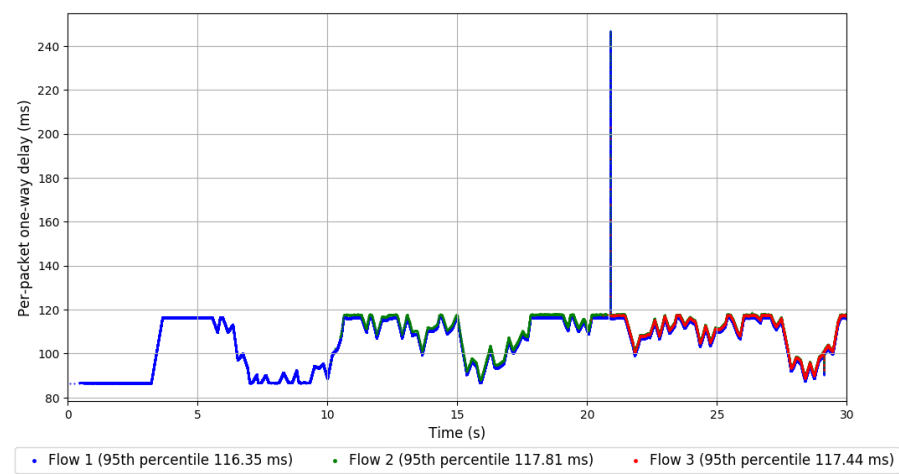
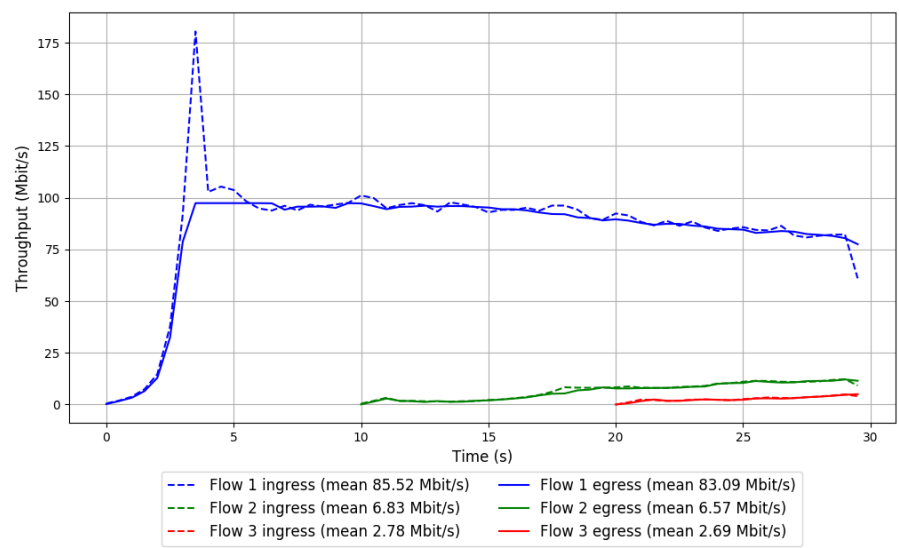


Run 4: Statistics of Vivace-loss

Start at: 2018-02-28 05:23:59
End at: 2018-02-28 05:24:29
Local clock offset: -1.432 ms
Remote clock offset: -1.311 ms

Below is generated by plot.py at 2018-02-28 08:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 116.374 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 83.09 Mbit/s
95th percentile per-packet one-way delay: 116.349 ms
Loss rate: 2.74%
-- Flow 2:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 117.815 ms
Loss rate: 3.73%
-- Flow 3:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 117.442 ms
Loss rate: 3.25%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-28 05:47:39

End at: 2018-02-28 05:48:09

Local clock offset: 0.536 ms

Remote clock offset: -0.81 ms

Below is generated by plot.py at 2018-02-28 08:45:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.97 Mbit/s

95th percentile per-packet one-way delay: 116.602 ms

Loss rate: 3.14%

-- Flow 1:

Average throughput: 83.01 Mbit/s

95th percentile per-packet one-way delay: 116.557 ms

Loss rate: 3.02%

-- Flow 2:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 118.432 ms

Loss rate: 4.09%

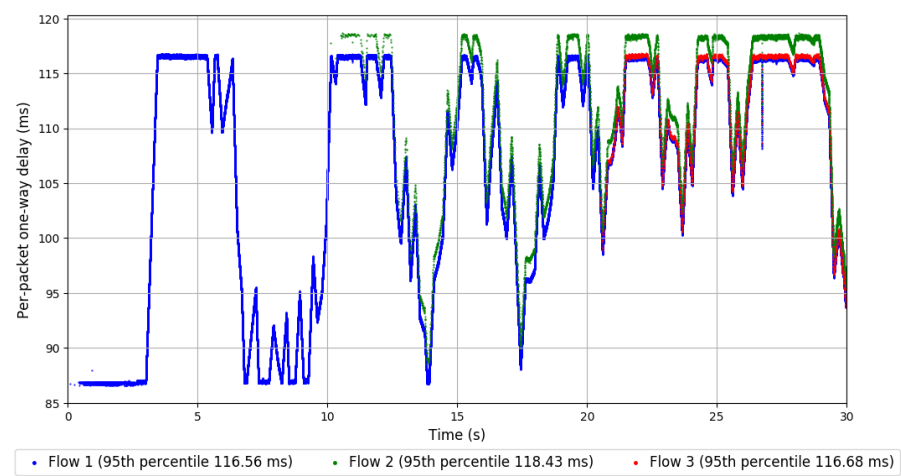
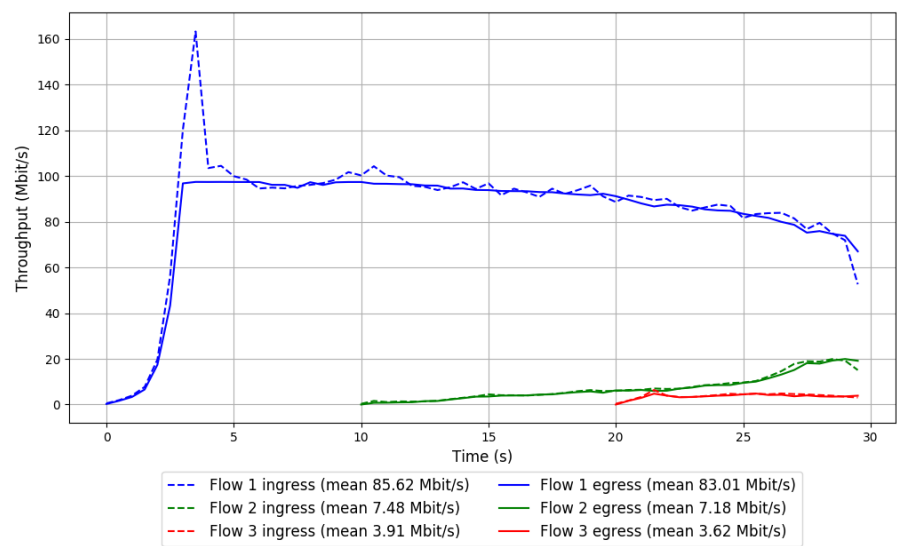
-- Flow 3:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 116.680 ms

Loss rate: 7.58%

Run 5: Report of Vivace-loss — Data Link

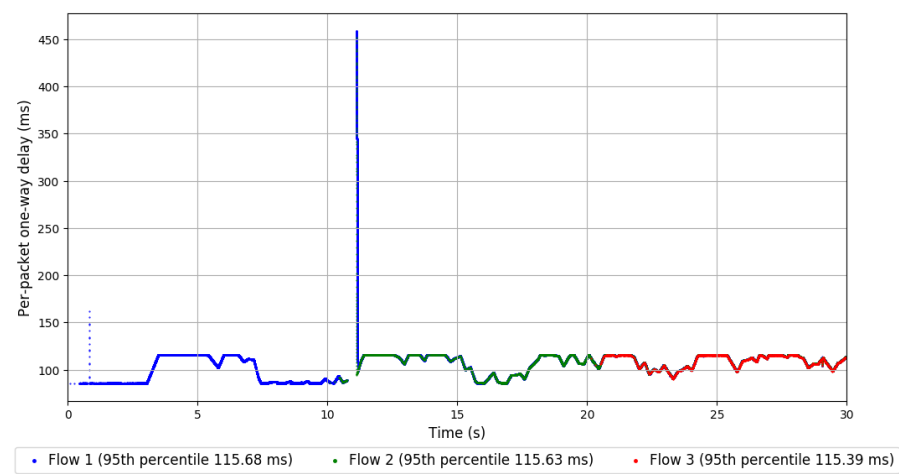
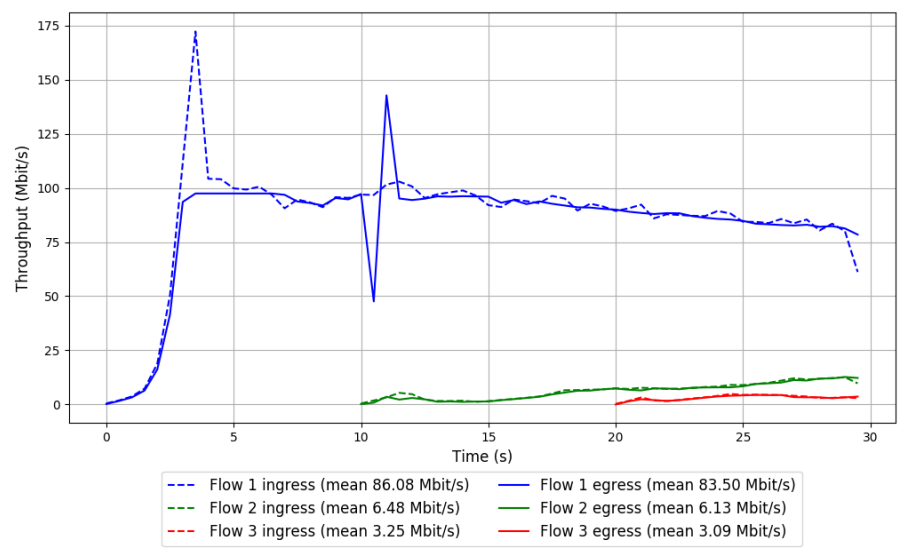


Run 6: Statistics of Vivace-loss

Start at: 2018-02-28 06:11:32
End at: 2018-02-28 06:12:02
Local clock offset: -1.887 ms
Remote clock offset: -1.419 ms

Below is generated by plot.py at 2018-02-28 08:45:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.59 Mbit/s
95th percentile per-packet one-way delay: 115.679 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 83.50 Mbit/s
95th percentile per-packet one-way delay: 115.682 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 115.626 ms
Loss rate: 5.16%
-- Flow 3:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 115.392 ms
Loss rate: 5.09%

Run 6: Report of Vivace-loss — Data Link

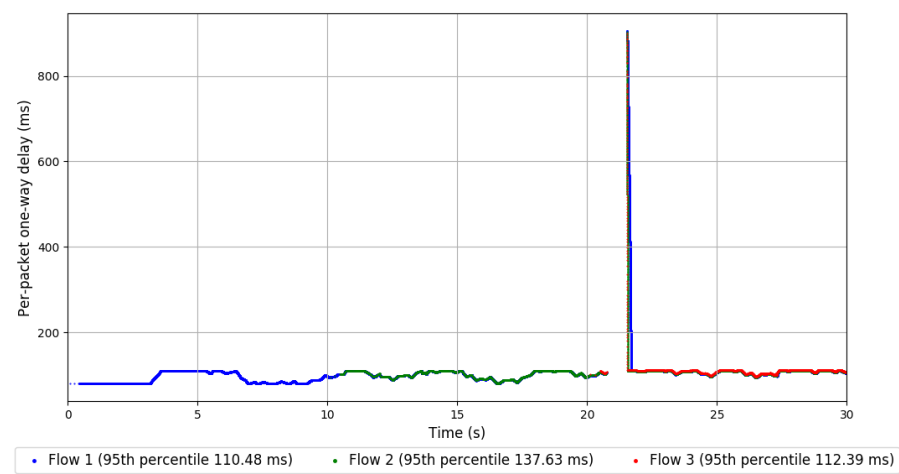
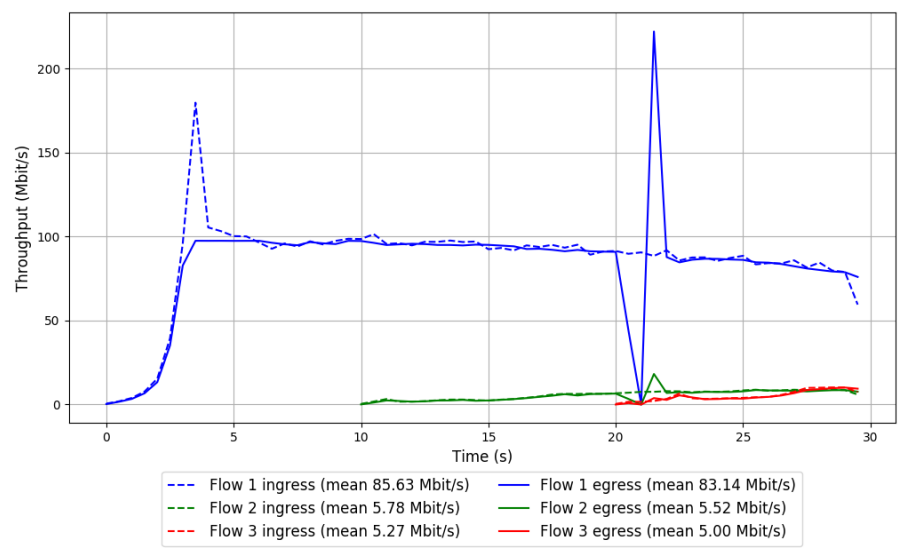


Run 7: Statistics of Vivace-loss

Start at: 2018-02-28 06:35:02
End at: 2018-02-28 06:35:32
Local clock offset: -5.931 ms
Remote clock offset: -6.299 ms

Below is generated by plot.py at 2018-02-28 08:45:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.46 Mbit/s
95th percentile per-packet one-way delay: 110.615 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 110.481 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 5.52 Mbit/s
95th percentile per-packet one-way delay: 137.634 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 112.389 ms
Loss rate: 5.03%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-28 06:59:06

End at: 2018-02-28 06:59:36

Local clock offset: -7.058 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-02-28 08:45:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 117.842 ms

Loss rate: 2.89%

-- Flow 1:

Average throughput: 84.12 Mbit/s

95th percentile per-packet one-way delay: 117.807 ms

Loss rate: 2.80%

-- Flow 2:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 119.325 ms

Loss rate: 4.95%

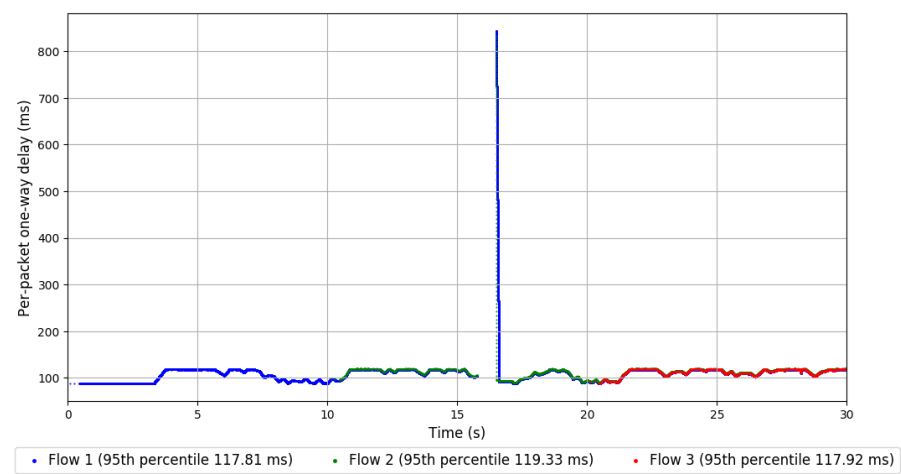
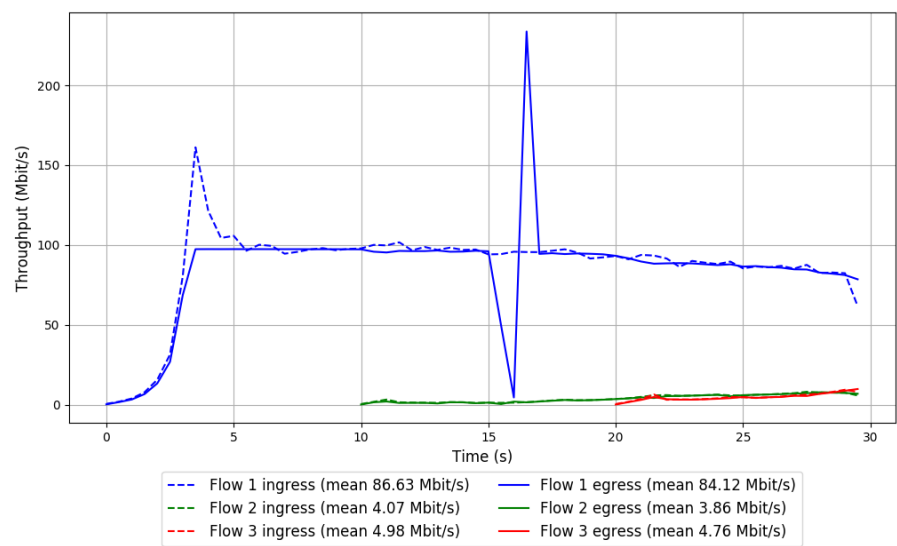
-- Flow 3:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 117.924 ms

Loss rate: 4.21%

Run 8: Report of Vivace-loss — Data Link

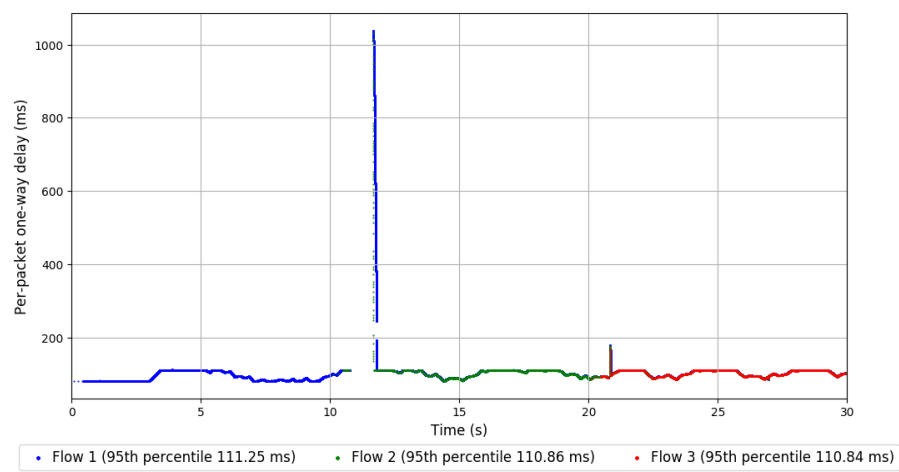
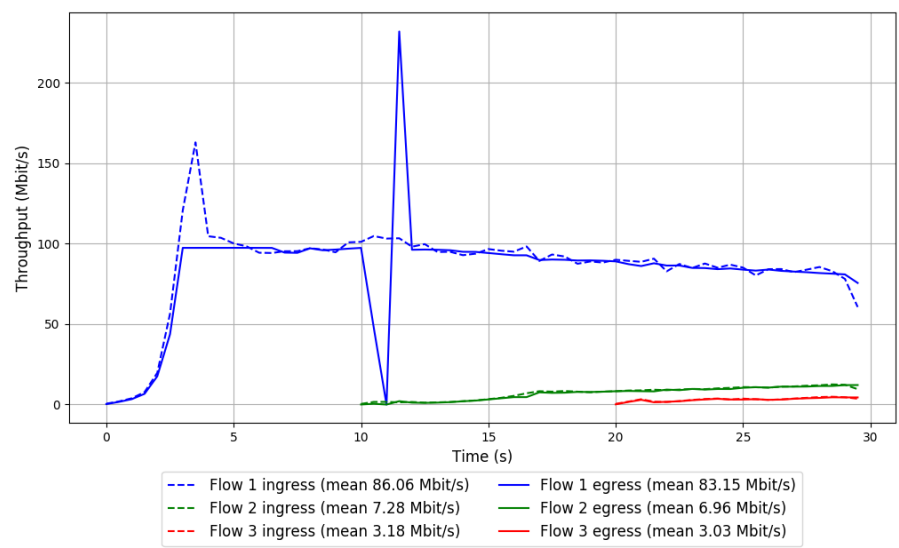


Run 9: Statistics of Vivace-loss

Start at: 2018-02-28 07:22:40
End at: 2018-02-28 07:23:10
Local clock offset: -6.792 ms
Remote clock offset: -6.346 ms

Below is generated by plot.py at 2018-02-28 08:46:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 111.245 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 111.255 ms
Loss rate: 3.31%
-- Flow 2:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 110.855 ms
Loss rate: 4.45%
-- Flow 3:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 110.840 ms
Loss rate: 4.57%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-28 07:46:38

End at: 2018-02-28 07:47:08

Local clock offset: -5.404 ms

Remote clock offset: -0.76 ms

Below is generated by plot.py at 2018-02-28 08:46:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.52 Mbit/s

95th percentile per-packet one-way delay: 116.525 ms

Loss rate: 2.99%

-- Flow 1:

Average throughput: 81.69 Mbit/s

95th percentile per-packet one-way delay: 116.479 ms

Loss rate: 2.88%

-- Flow 2:

Average throughput: 8.25 Mbit/s

95th percentile per-packet one-way delay: 118.207 ms

Loss rate: 3.88%

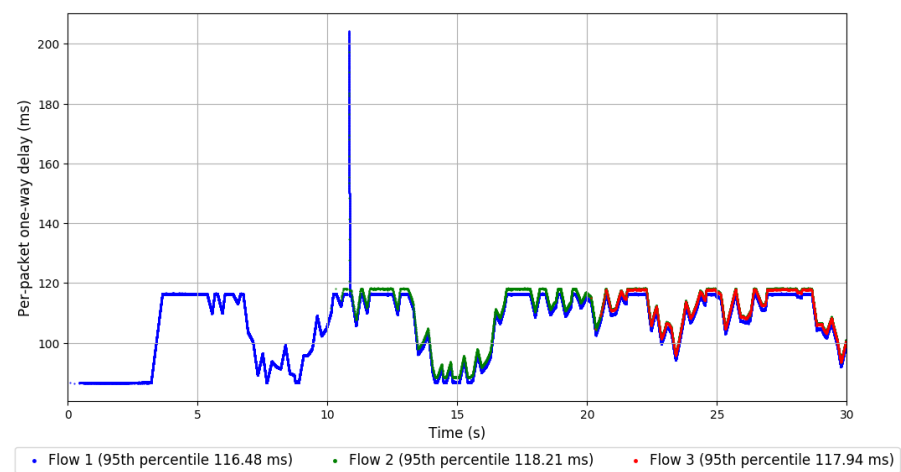
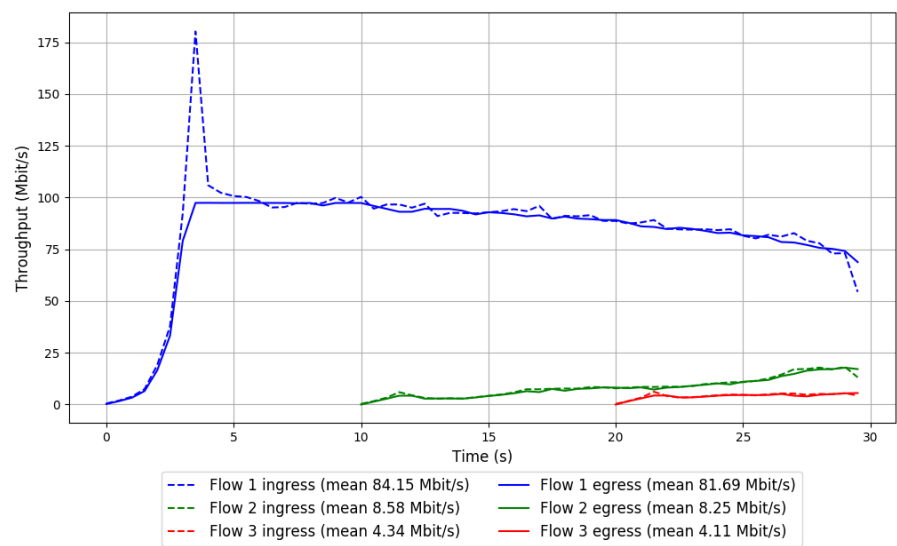
-- Flow 3:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 117.944 ms

Loss rate: 5.35%

Run 10: Report of Vivace-loss — Data Link

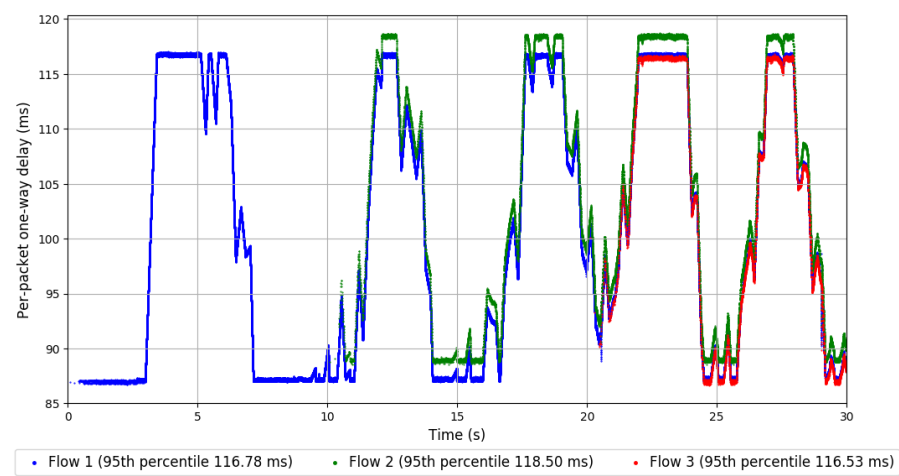
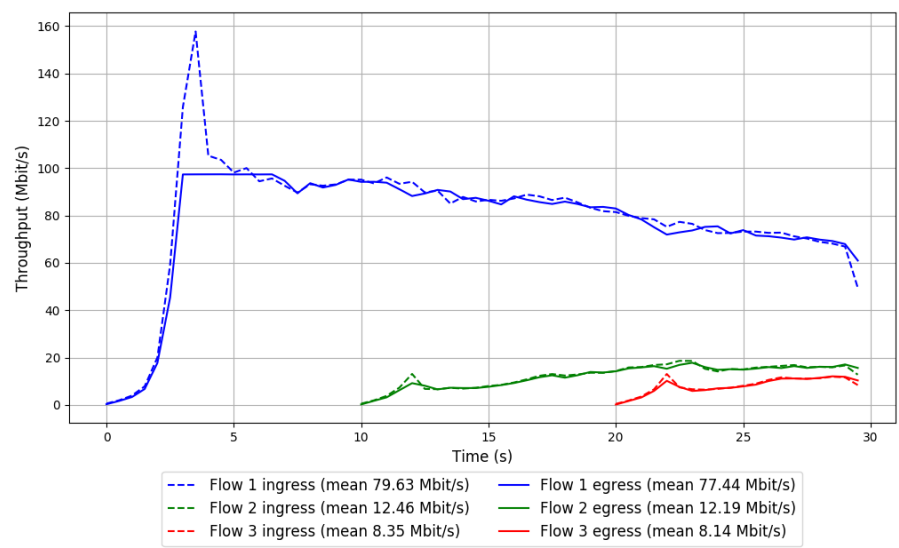


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-28 04:19:40
End at: 2018-02-28 04:20:10
Local clock offset: -0.442 ms
Remote clock offset: -0.368 ms

Below is generated by plot.py at 2018-02-28 08:46:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 116.817 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 116.783 ms
Loss rate: 2.75%
-- Flow 2:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 118.502 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 116.528 ms
Loss rate: 2.63%

Run 1: Report of Vivace-LTE — Data Link

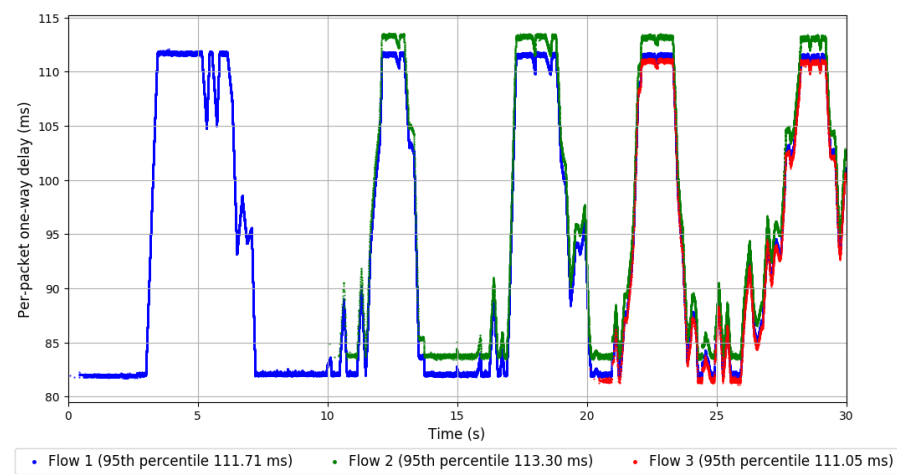
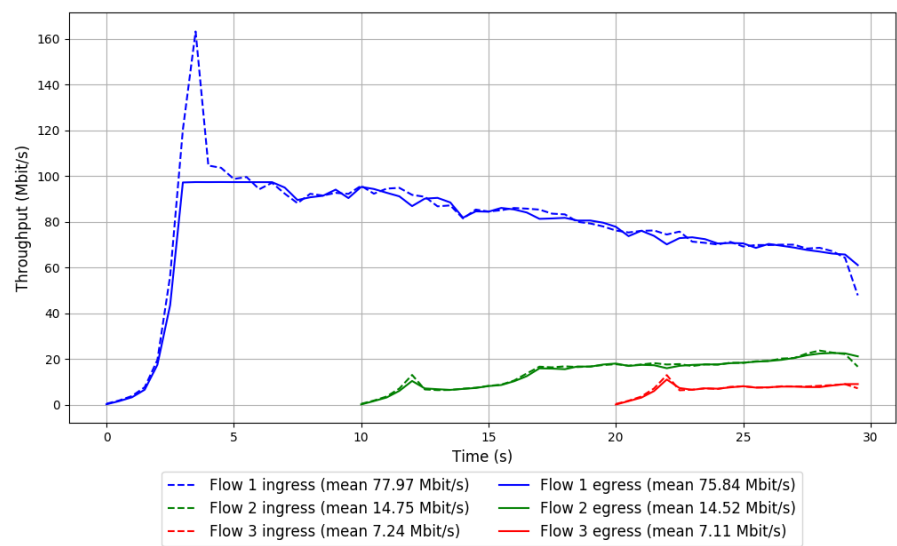


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-28 04:43:14
End at: 2018-02-28 04:43:44
Local clock offset: -1.506 ms
Remote clock offset: -5.235 ms

Below is generated by plot.py at 2018-02-28 08:46:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 111.761 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 75.84 Mbit/s
95th percentile per-packet one-way delay: 111.709 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 113.296 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 111.047 ms
Loss rate: 1.68%

Run 2: Report of Vivace-LTE — Data Link

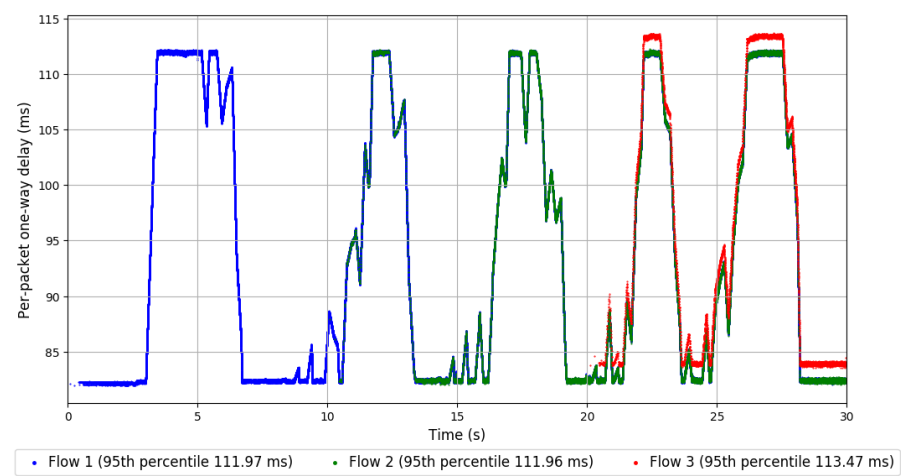
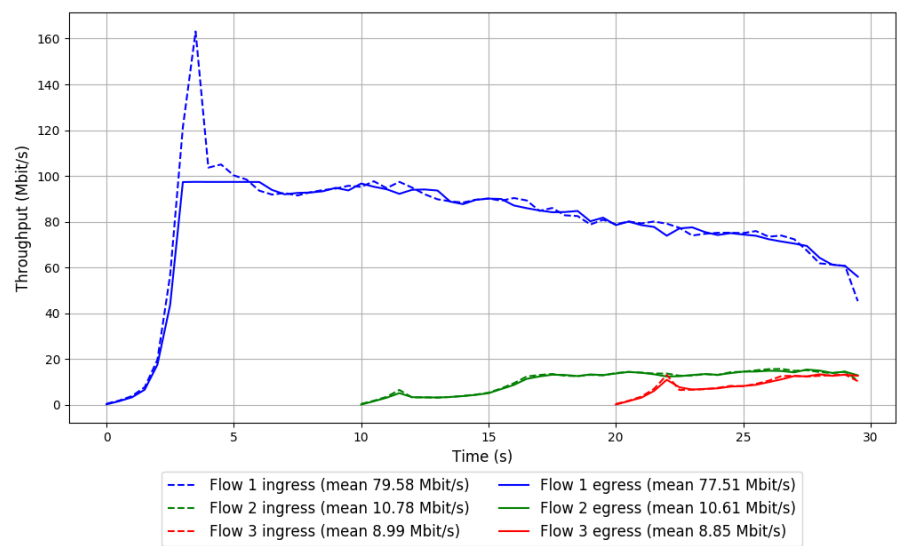


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-28 05:06:47
End at: 2018-02-28 05:07:17
Local clock offset: -3.721 ms
Remote clock offset: -5.152 ms

Below is generated by plot.py at 2018-02-28 08:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 111.982 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: 111.971 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 111.963 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 113.469 ms
Loss rate: 1.59%

Run 3: Report of Vivace-LTE — Data Link

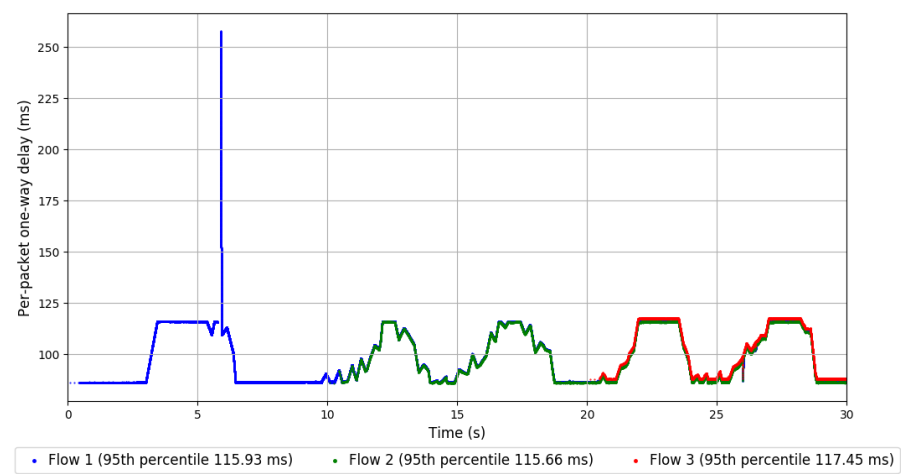
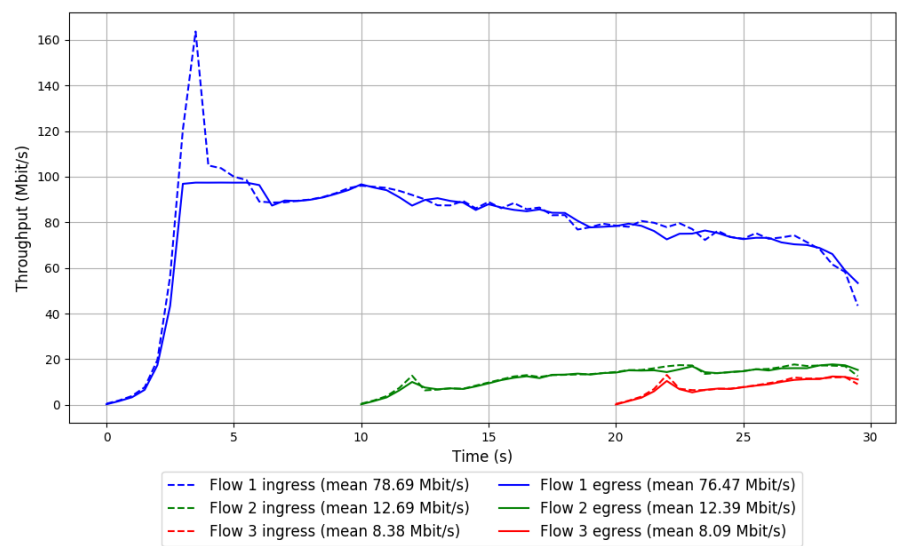


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-28 05:30:36
End at: 2018-02-28 05:31:06
Local clock offset: -0.56 ms
Remote clock offset: -1.438 ms

Below is generated by plot.py at 2018-02-28 08:47:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 115.939 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 115.933 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 115.659 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 117.454 ms
Loss rate: 3.48%

Run 4: Report of Vivace-LTE — Data Link

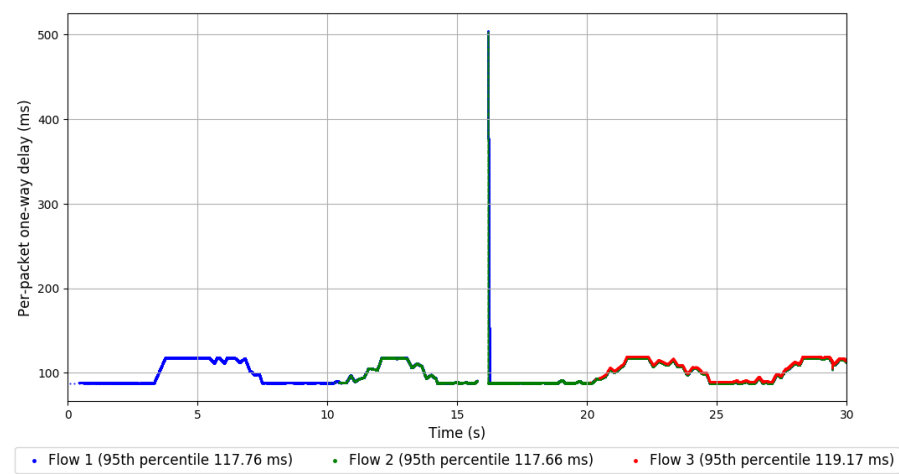
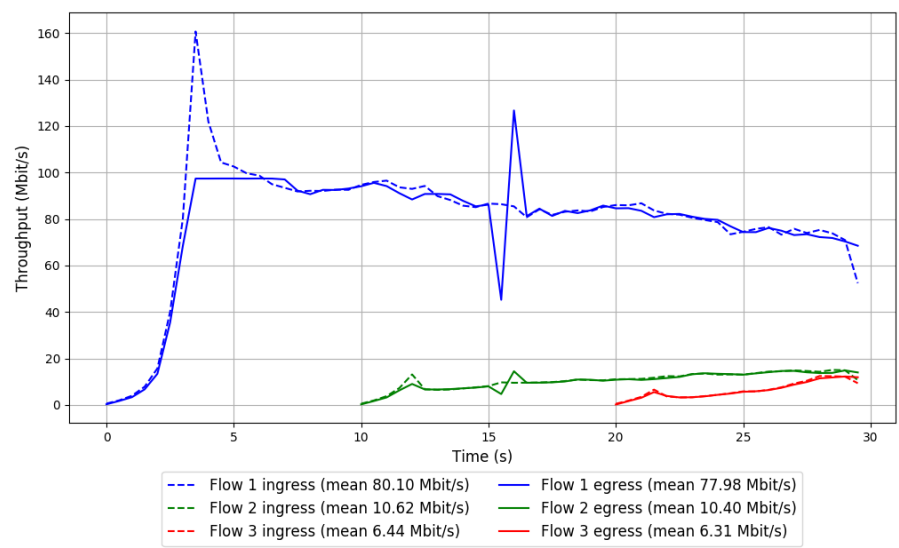


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-28 05:54:21
End at: 2018-02-28 05:54:51
Local clock offset: -1.1 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-02-28 08:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 117.770 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 117.763 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 117.663 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 119.171 ms
Loss rate: 1.82%

Run 5: Report of Vivace-LTE — Data Link

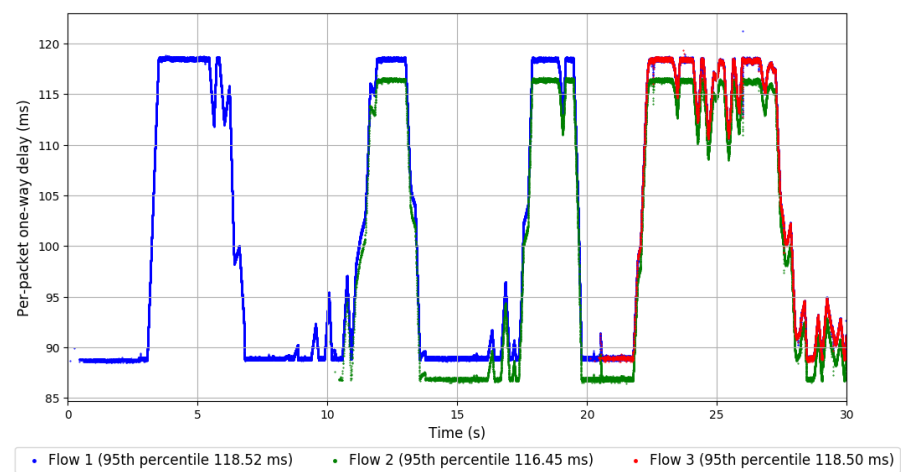
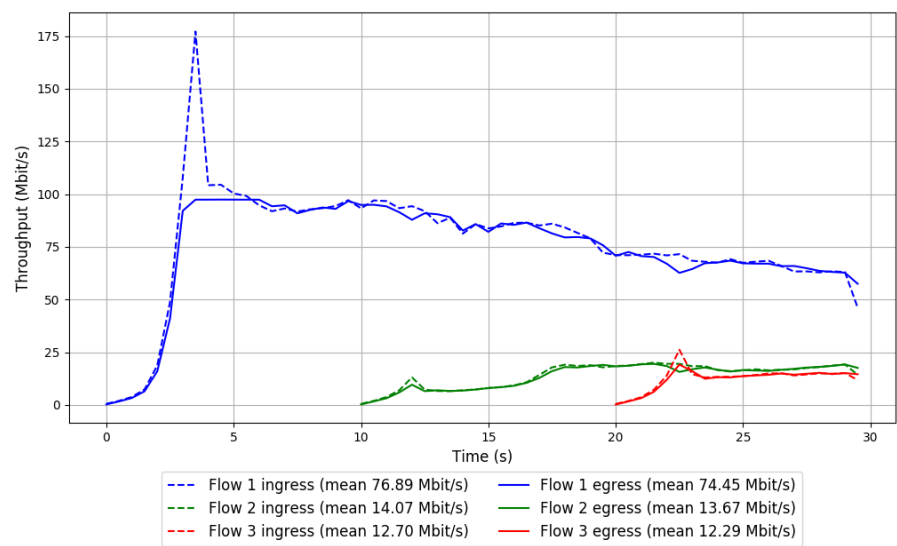


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-28 06:18:09
End at: 2018-02-28 06:18:39
Local clock offset: -1.866 ms
Remote clock offset: -0.534 ms

Below is generated by plot.py at 2018-02-28 08:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 118.514 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 74.45 Mbit/s
95th percentile per-packet one-way delay: 118.523 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 13.67 Mbit/s
95th percentile per-packet one-way delay: 116.453 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 118.501 ms
Loss rate: 3.21%

Run 6: Report of Vivace-LTE — Data Link

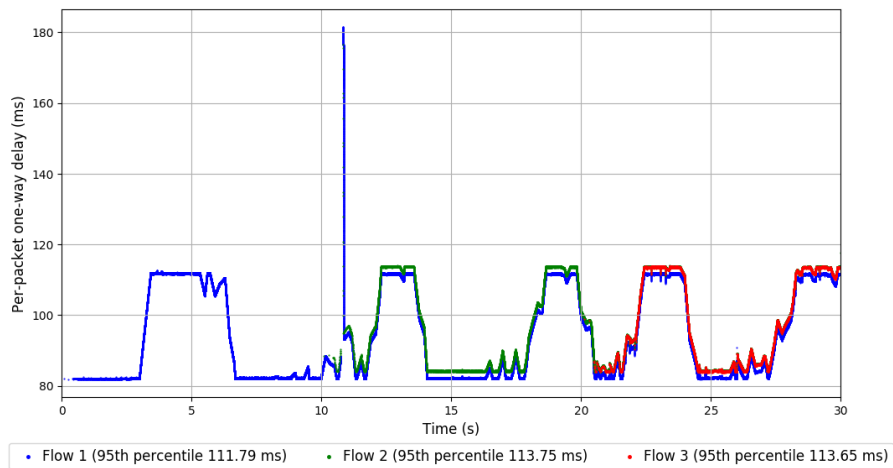
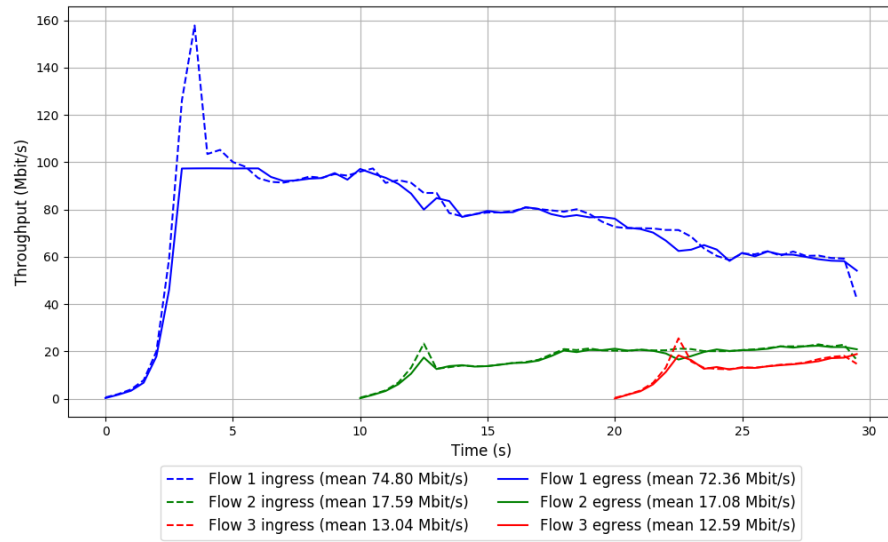


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-28 06:41:43
End at: 2018-02-28 06:42:13
Local clock offset: -6.645 ms
Remote clock offset: -5.519 ms

Below is generated by plot.py at 2018-02-28 08:47:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 113.062 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 72.36 Mbit/s
95th percentile per-packet one-way delay: 111.787 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 17.08 Mbit/s
95th percentile per-packet one-way delay: 113.750 ms
Loss rate: 2.76%
-- Flow 3:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 113.654 ms
Loss rate: 3.31%

Run 7: Report of Vivace-LTE — Data Link

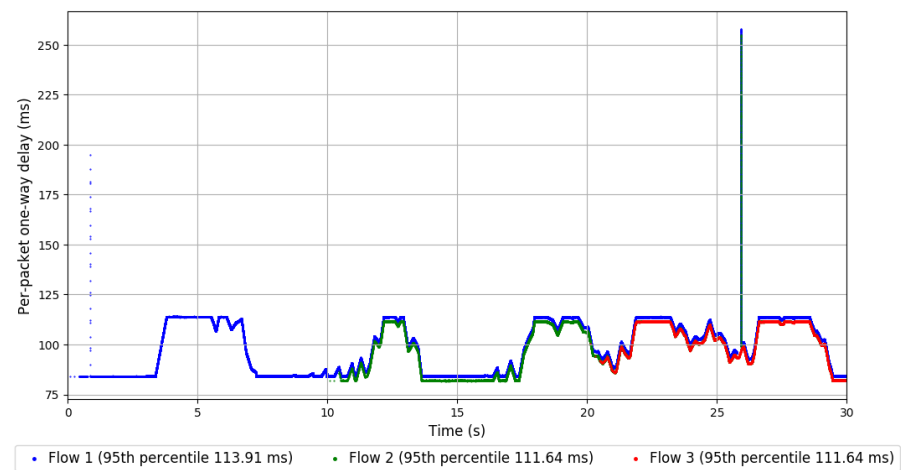
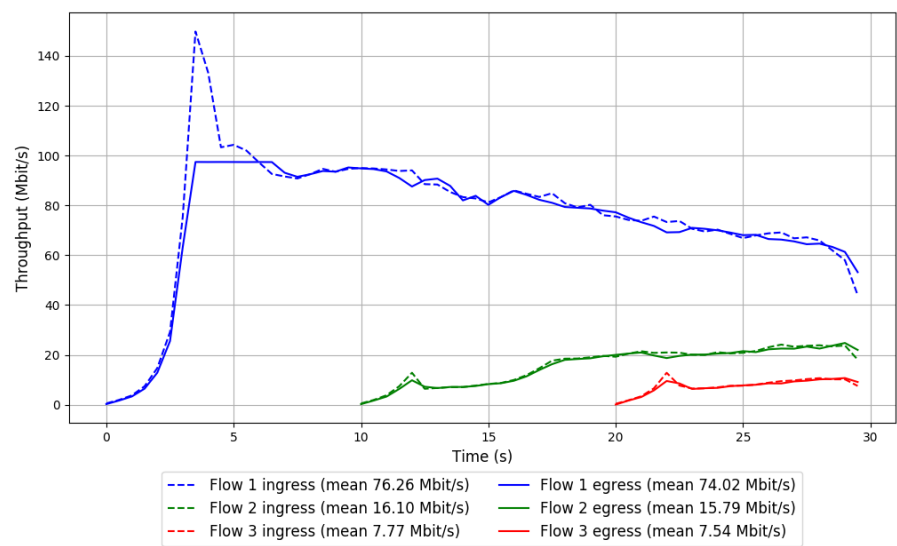


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-28 07:05:48
End at: 2018-02-28 07:06:18
Local clock offset: -6.735 ms
Remote clock offset: -5.532 ms

Below is generated by plot.py at 2018-02-28 08:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 113.899 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 113.910 ms
Loss rate: 2.94%
-- Flow 2:
Average throughput: 15.79 Mbit/s
95th percentile per-packet one-way delay: 111.644 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 111.640 ms
Loss rate: 3.16%

Run 8: Report of Vivace-LTE — Data Link

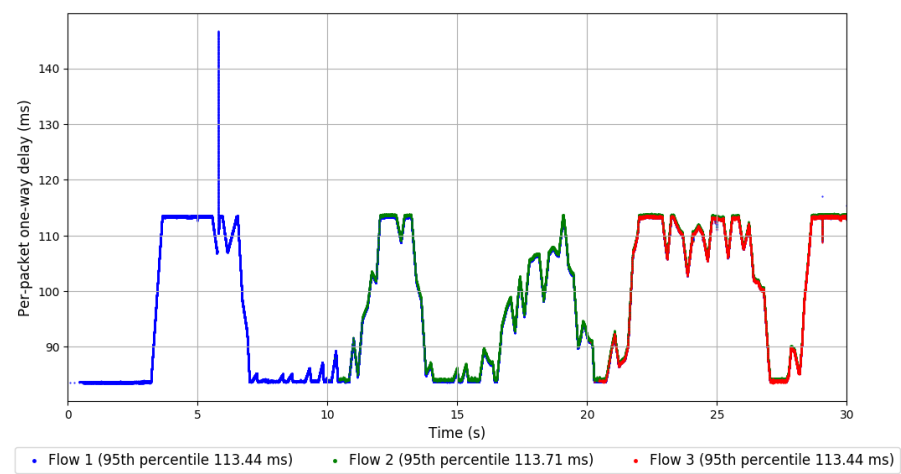
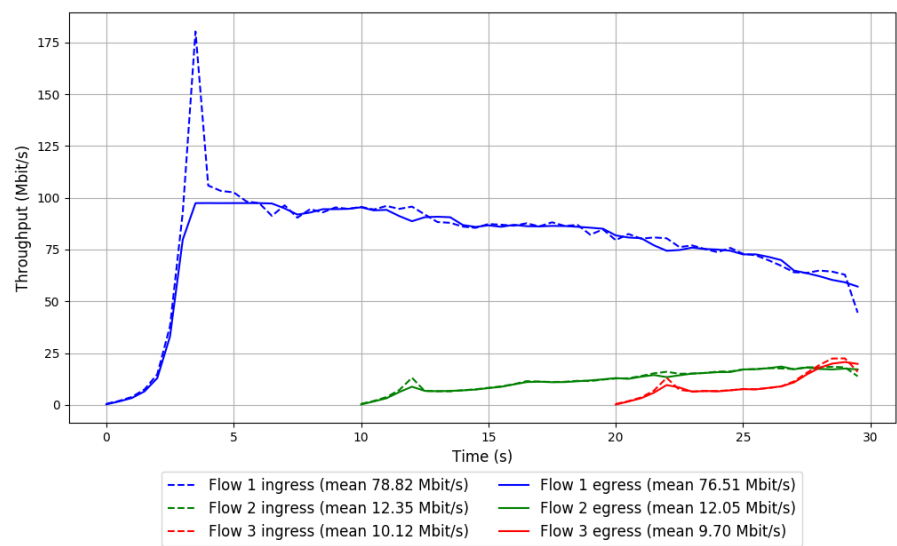


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-28 07:29:28
End at: 2018-02-28 07:29:58
Local clock offset: -6.807 ms
Remote clock offset: -5.691 ms

Below is generated by plot.py at 2018-02-28 08:47:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 113.458 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 76.51 Mbit/s
95th percentile per-packet one-way delay: 113.436 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 113.708 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 113.444 ms
Loss rate: 3.91%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-28 07:53:16

End at: 2018-02-28 07:53:46

Local clock offset: -5.278 ms

Remote clock offset: -5.51 ms

Below is generated by plot.py at 2018-02-28 08:47:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.85 Mbit/s

95th percentile per-packet one-way delay: 113.656 ms

Loss rate: 2.89%

-- Flow 1:

Average throughput: 74.82 Mbit/s

95th percentile per-packet one-way delay: 113.670 ms

Loss rate: 2.95%

-- Flow 2:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 112.136 ms

Loss rate: 2.36%

-- Flow 3:

Average throughput: 13.02 Mbit/s

95th percentile per-packet one-way delay: 111.883 ms

Loss rate: 2.88%

Run 10: Report of Vivace-LTE — Data Link

